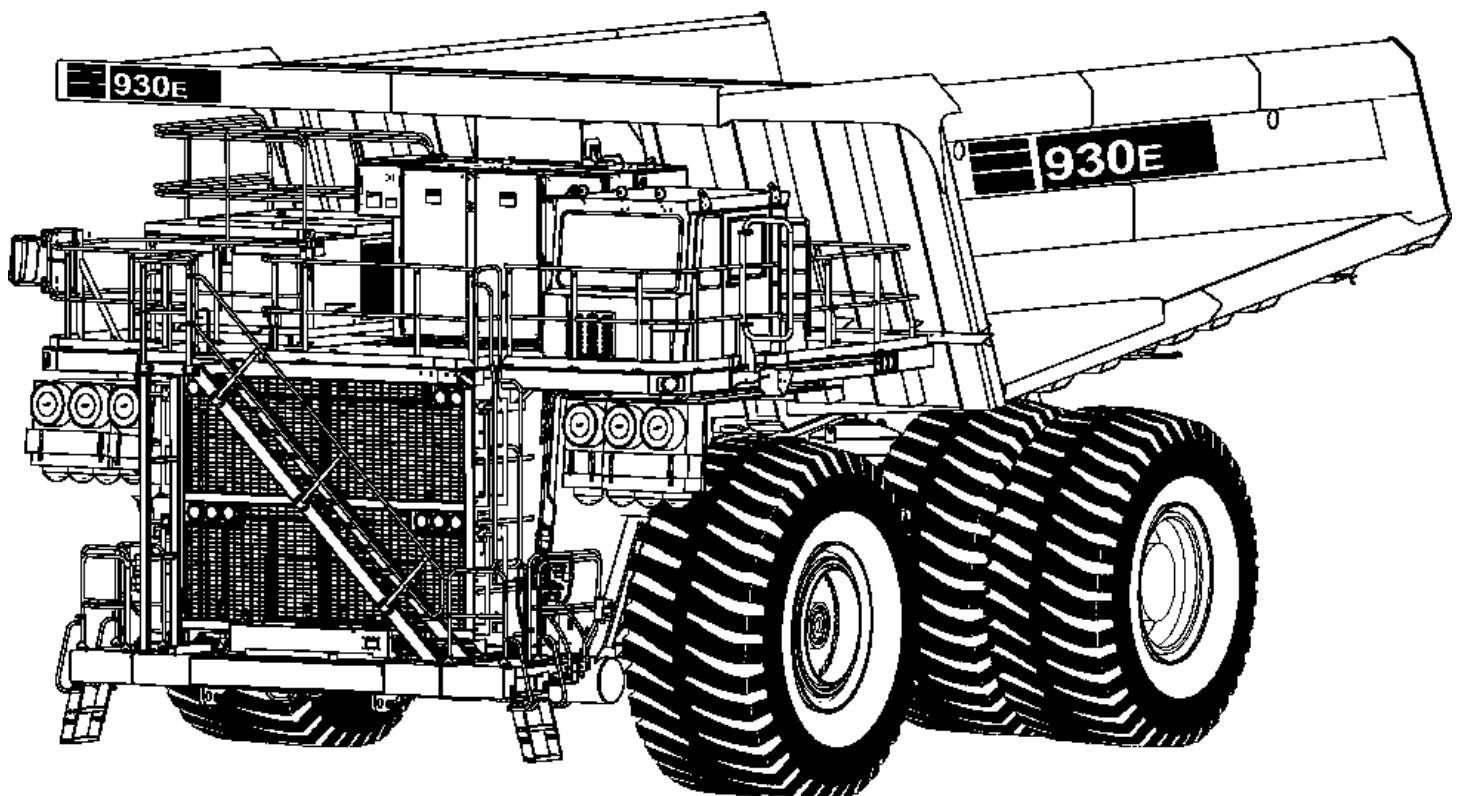


AFE62-AM 930E-4SE S/N A31325 - A31326, A31367, A31398, A31400, A31420, A31428,  
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A31603, A31619, A31621, A31623, A31627, A31644 - A31660, A31673 & A31680 - A31694  
BINGHAM CANYON

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AFE62-AM 930E-4SE S/N A31325 - A31326, A31367, A31398, A31400, A31420, A31428,  
A31454, A31462, A31483, A31485, A31506, A31540, A31566, A31568, A31570, A31601,  
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BINGHAM CANYON  
AFE62-AM KOMATSU MINING

Item	Description	Qty	Page
A	FRAME & DECK GROUP	1	001
B	COOLING SYSTEM	1	045
C	ENGINE GROUP	1	065
D	FRONT WHEEL & BRAKE GROUP	1	095
E	REAR WHEEL & BRAKE GROUP	1	105
F	STEERING SYSTEM	1	133
G	CAB GROUP	1	149
H	BODY GROUP	1	263
I	ELECTRIC POWER COMPONENTS & WIRING GROUP	1	275
L	FUEL SYSTEM	1	293
M	ELECTRICAL SYSTEM	1	311
N	HYDRAULIC SYSTEM	1	429
O	OPTIONS & MISCELLANEOUS GROUP	1	577
P	CONTROL GROUP	1	615
R	ALTERNATOR GROUP	1	663
S	RETARDER GRID GROUP	1	679
T	WHEEL MOTOR GROUP	1	695



1



7



2



8



3



4

### PROCEDIMIENTO DE DESCARGA DE EMERGENCIA

1. Conecte un suministro eléctrico hidráulico con capacidad para 2500 psi (17.2 MPa) y de reserva que supere los 80 gal. (303 l) al desacople rápido del cilindro izquierdo del elevador.
2. Coloque la válvula del elevador en la posición retenida.
3. Descargar la carga y baje la carrocería con la válvula de control en la unidad de suministro eléctrico hidráulica.

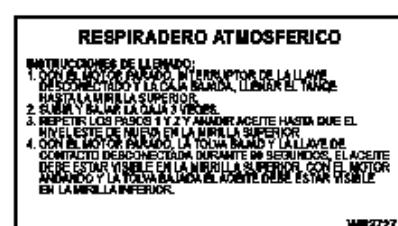
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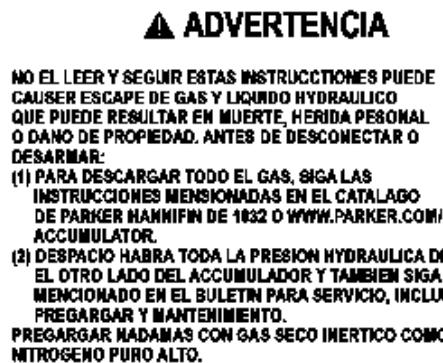
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10



6



11



62385

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
 A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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 A31597 ANTAMINA

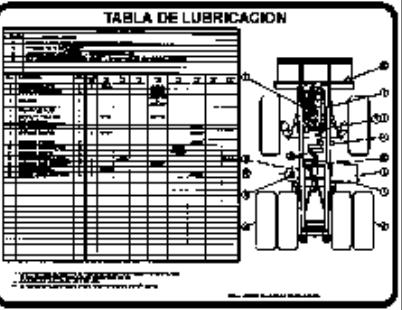
**DECALS & WARNINGS (SPANISH) 1/4**

Item	Part No	Description	Qty
1	WB2507	DECAL, HIGH VOLTAGE DANGER (REAR HATCH)	1
2	WB2529	DECAL, OIL FILL & CHECK PROCEDURE (ELECTRIC WHEELS)	4
3	WB2518	DECAL, HOT EXHAUST AIR (REAR HATCH & BLOWN GRID)	5
4	WB2522	DECAL, RAISED BODY WARNING (HYDRAULIC & FUEL TANKS)	2
5	WB2510	DECAL, WHEEL SPACE WARNING (BOTH SIDES OF FRAME BEHIND AND IN FRONT OF FRONT WHEELS)	4
6	WB2727	DECAL, ATMOSPHERIC BREATHER SYSTEM (HYDRAULIC TANK)	1
7	WB2524	DECAL, HIGH PRESSURE WARNING (HYDRAULIC TANK)	1
8	WA6631	DECAL, ADD OIL CAUTION (HYDRAULIC TANK)	1
9	58B-93-00490	DECAL, EMERGENCY DUMP PROCEDURE (L.H. SIDE OF FRAME BEHIND HOIST CYLINDER)	1
10	WB2523	DECAL, HIGH PRESSURE CYLINDER DANGER (BOTH SIDES OF FRAME BY STEERING AND BRAKE ACCUMULATORS)	2
11	EM3246	DECAL, BLADDER WARNING (3 ON EACH ACCUMULATOR)	12

## ADVERTENCIA

EL SISTEMA SE PRESURIZA POR EXPANSION TERMICA DEL LIQUIDO REFRIGERANTE, "NO" REMUEVA LA TAPA DEL RADIADOR CUANDO EL MOTOR ESTA CALIENTE. PUEDE RESULTAR EN QUEMADURAS SEVERAS.

WB2911



### ADVERTENCIA

LLAVE SWITCH  
NO OPERE ESTE VEHICULO SIN ANTES LEER Y ENTENDER LOS MANUALES DE OPERACION.

WB2912

## ADVERTENCIA

**PELIGRO ENERGIA ALMACENADA**  
NUNCA ABRA EL INTERRUPTOR DE LA BATERIA DURANTE LOS PRIMEROS NOVENTA SEGUNDOS POSTERIORES A DESACTIVAR EL INTERRUPTOR DE IGNICION. HACER CASA OMISO A ESTA ADVERTENCIA RESULTARA EN QUE LOS ACUMULADORES DE LA DIRECCION NO DRENEN, Y COMO RESULTADO CONTINUEN ALMACENANDO ENERGIA EN EL SISTEMA HIDRAULICO LA CUAL PODRIA SER LIBERADA RAPIDAMENTE, O CAUSAR QUE LOS NEUMATICOS SE MUEVAN SORPRESIVAMENTE, CAUSANDO DAÑOS O LA MUERTE.

WB2347

## DESPLIEGUE DE LA INFORMACION

SE PUEDE TENER ACCESO A ESTE TABLERO CON LA CORRIENTE ENCENDIDA

WB2815

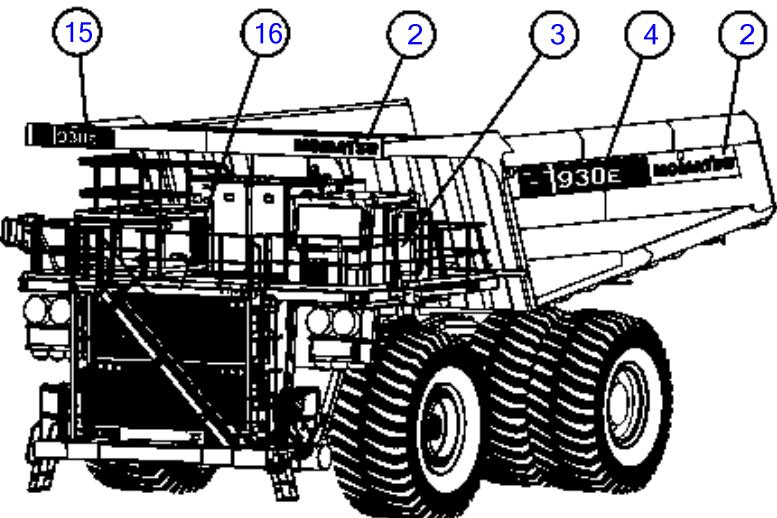
LA LUZ DE CARGA DEL CONDESADOR INDICA QUE HAY ALTO VOLTAJE PRESENTE A TRAVES DE LOS SISTEMAS DE PROPULSION Y DE RETARDACION

WB2516

## PRECAUCION

ANTES DE SOLDAR EN EL CAMION, DESCONECTAR EL ALAMBRE DE CONEXION EN EL ALTERNADOR DE CARGAR LA BATERIA

WB2827



### ADVERTENCIA

EL interruptor de velocidad debe estar colocado en posicion de corte automatico antes de activar el cable del operador. De no seguir esta advertencia, el vehiculo podria moverse de forma inesperada.

WB2828

### ADVERTENCIA

### ADVERTENCIA

El interruptor de velocidad debe estar colocado en posicion de corte automatico antes de activar el cable del operador. De no seguir esta advertencia, el vehiculo podria moverse de forma inesperada.

WB2829

## PELIGRO

### PELIGRO DE ALTO VOLTAJE

Acceso permitido solo a personal autorizado.  
La exposicion al alto voltaje puede causar heridas graves o la muerte.

El alto voltaje puede volverse peligroso debido a los tiros de carga del motor y el conversor/rectificador de alta potencia.

Siempre respetar las indicaciones de advertencia del manual de operacion.

Respecto, consultar con la lista de cierre del conversor de alta potencia.

Todos, respetar que todo personal que no sea designado para el mantenimiento en sistemas electricos con voltajes superiores a los 200V AC, DE, o DC, no se acerque mas de 10 pies de distancia de los cables de alta tensión, o en el manual de especificaciones e instalación.

Respecto, consultar con la lista de cierre del conversor de alta potencia.

Todos, respetar que todo personal que no sea designado para el mantenimiento en sistemas electricos con voltajes superiores a los 200V AC, DE, o DC, no se acerque mas de 10 pies de distancia de los cables de alta tensión, o en el manual de especificaciones e instalación.

## ADVERTENCIA

SIEMPRE ASEGUARSE DE CERRAR LAS VALVULAS DE DRENAJE DESPUES DE DESCARGAR LOS ACUMULADORES. NO APRETAR DEMASIADO LAS VALVULAS DE DRENAJE.

WB2609

WB2810

WB2811

WB2812

WB2813

## VENENO ▲ PELIGRO

### CAUSA QUEMADURAS SERIAS

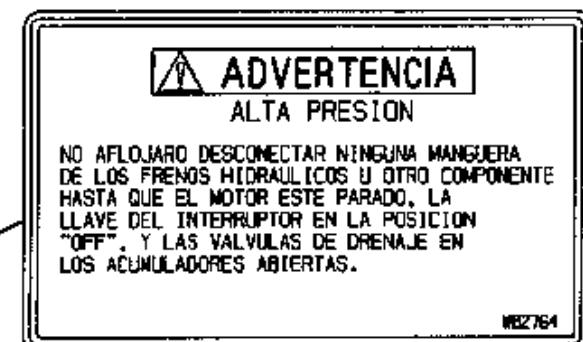
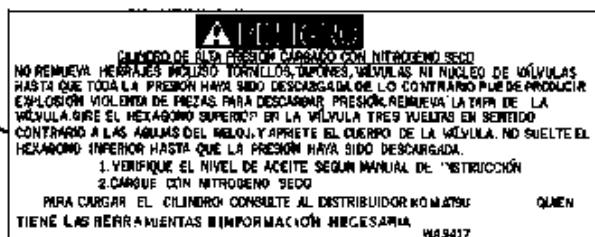
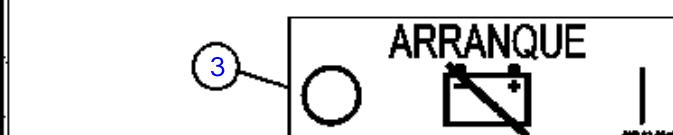
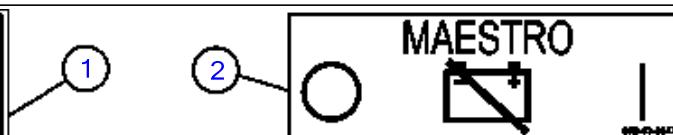
CONTIENE AGUA SULFURADA. LAS BATERIAS PRODUCEN GAS DE DEPURACION. NO INTRODUCIR ALUMINIO LAS PARTES LLAMADAS GIGABRILLOS. EVITAR AL CARGADOR DE CARGAR EN ESPACIOS CERRADOS. CUANDO USE UN CARGADOR - PARA EVITAR CHISPA ELECTRICA CONECTE Y DESCONECTE LAS PINZAS DEL CARGADOR A LA BATERIA MIENTRAS EL CARGADOR ESTA ENCENDIDO. PROTEGER LOS OJOS. PROTEGER LA PIEL. PROTEGER LOS PULMONES. PROTEGER LOS DEDOS. PROTEGER EL CABELLO. PROTEGER EL CLOTH. PROTEGER EL CLOTHING EXTERIOR - ENLAVAR CON AGUA. OJO: ENLAVAR CON AGUA DURANTE 45 MINUTOS Y OBTENER ATENCION MEDICA. DEDO: CONTINUAR CON AGUA DE MAGNESIA. HUEVOS: BATIR O COCER VIGOROSAMENTE. LLAMAR AL MEDICO INMEDIATAMENTE.

WB2826

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
 A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**DECALS & WARNINGS (SPANISH) 2/4**

Item	Part No	Description	Qty
1	WB2511	DECAL, RADIATOR CAP WARNING (TOP OF GRILLE)	1
2	09690-P1800	DECAL, "KOMATSU" (FRONT AND SIDES OF BODY)	3
3	09690-P0710	DECAL, "KOMATSU" (DRIVER'S DOOR)	1
4	WB3341	DECAL, 930E (L.H SIDE OF BODY)	1
	WB3342	DECAL, 930E (R.H. SIDE OF BODY)	1
5	WB3029	CHART, LUBE (BEHIND R.H. LADDER)	1
6	WB2527	DECAL, WELDING CAUTION (BATTERY BOX)	1
7	WB3864	DECAL, HIGH VOLTAGE WARNING (CONTROL CABINET DOORS)	3
8	WB2509	DECAL, ACCUMULATOR WARNING (ON ACCUMULATORS INSIDE BRAKE CABINET)	2
9	WB2526	DECAL, BATTERY DANGER (BATTERY BOX)	1
10	WB2516	DECAL, CAPACITOR CHARGE LIGHT (CONTROL CABINETS)	2
11	WB2515	DECAL, INFORMATION DISPLAY (CONTROL CABINET)	1
12	WB3247	DECAL, STORED ENERGY HAZARD (BATTERY BOX)	1
13	WB3292	DECAL, KEY SWITCH WARNING (INSTRUMENT PANEL)	1
14	58E-93-00490	DECAL, SHIFT SELECTOR WARNING (INSTRUMENT PANEL)	1
15	WB3343	DECAL, 930E (R.H. FRONT OF CANOPY)	1
16	09690-F1000	DECAL, "KOMATSU" (FRONT OF GRILLE)	1
	EM7216	PLATE, MOUNTING	1
	MM0042	CAPSCREW - M10 X 1.50 X 25	5
	MM0471	LOCKWASHER - M10	5



AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
 A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### DECALS & WARNINGS (SPANISH) 3/4

Item	Part No	Description	Qty
1	WB2528	DECAL, EMERGENCY TOWING PROCEDURE (L.H. SIDE OF FRAME BEHIND ACCUMULATORS)	1
2	58B-93-00470	DECAL, MASTER DISCONNECT (BATTERY BOX)	1
3	58B-93-00480	DECAL, STARTER DISCONNECT (BATTERY BOX)	1
4	WB2508	DECAL, NEGATIVE GROUND (BATTERY BOX)	2
5	WB2517	DECAL, LIFTING INSTRUCTIONS (RETARDING GRID BOX)	4
6	WA3417	PLATE, HIGH PRESSURE NITROGEN CYLINDER DANGER (FRONT & REAR SUSPENSION CYLINDERS)	8
7	WB3242	DECAL, LIFTING INSTRUCTIONS (CONTROL CABINET)	3
8	WB2764	DECAL, HIGH PRESSURE WARNING (BRAKE CABINET DOOR)	1
9	WB2513	DECAL, LIFTING POINT (TOP OF CAB)	4
10	WB2514	DECAL, LIFTING (REAR OF CAB)	1
11	WB3347	DECAL, EMERGENCY EXIT (BOTH EMERGENCY LADDERS)	2
12	WB3348	DECAL, BATTERY CABLE REMOVAL (BATTERY BOX)	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477, A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538, A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 & A31597 ANTAMINA

INTERRUPTOR  
DE LA LUZ DE  
LA ESCALERA

INTERRUPTOR  
DE APAGADO  
DEL MOTOR

WBS361

INTERRUPTOR DE  
LA LUZ DEL  
COMPARTIMENTO  
DEL MOTOR

WBS364

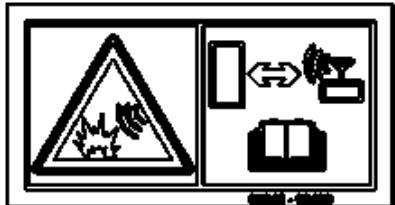


**ADVERTENCIA**

NO RETIRE LA CUBIERTA PARA  
ILLENAR

LLENE A PRESION A TRAVES  
DEL FOLTRON

WBS360



**PELIGRO**

CILINDRO DE ALTA PRESION CARGADO CON NITROGENO SECO

NO REMUEVA HERRAJES INCLUSO TORNILLOS, TAPONES, VALVULAS NI NUCLEO DE VALVULAS HASTA QUE TODA LA PRESION HAYA SIDO DESCARGADA DE LO CONTRARIO PUEDE PRODUCIR EXPLOSION VIOLENTA DE PIEZAS. PARA DESCARGAR PRESION, REMUEVA LA TAPA DE LA VALVULA. GIRE EL HEXAGONO SUPERIOR EN LA VALVULA TRES VUELTAS EN SENTIDO CONTRARIO A LAS AGUJAS DEL RELOJ Y APRIETE EL CUERPO DE LA VALVULA. NO SUELTE EL HEXAGONO INFERIOR HASTA QUE LA PRESION HAYA SIDO DESCARGADA.

1. VERIFIQUE EL NIVEL DE ACEITE SEGUN MANUAL DE INSTRUCCION
2. CARGUE CON NITROGENO SECO

PARA CARGAR EL CILINDRO CONSULE AL DISTRIBUIDOR KOMATSU QUIEN TIENE LAS HERRAMIENTAS E INFORMACION NECESARIA

WA3417

## PRECAUCION

NO DESCENDER PENDIENTES A VELOCIDADES MAS ALTAS QUE LAS AQUI INDICADAS CUANDO EL VEHICULO ESTA CARGADO AL PESO BRUTO MAXIMO DE 1,112,000 LB. (504,400 kg) & NEUMATICOS E3/80 R 83

PENDIENTE %	VELOCIDAD (CONTINUA)	VELOCIDAD (PERIODO CORTO)
	MPH(KM/H)	MPH(KM/H)
12	15(24)	18(29)
10	19(31)	23(37)
8	17(27)	28(45)
6	22(36)	35(56)
4	32(51)	

LA CAPACIDAD DE MARCHA LA PRESENTE ACTUAL VARIA DE ACORDO CON LA TEMPERATURA EXTERIOR, TEMPERATURA DEL SISTEMA, RESISTENCIA AL FLUJO, CANTO Y TAMAÑO DE LOS NEUMATICOS. LO ANTERIOR INDICADO ESTA BASADO EN UNA TEMPERATURA EXTERIOR DE 50° C (68° F) Y ASUME QUE LA CONDUCTIVIDAD DEL CANTO Y LA HIBRIDIDAD PERMITAN EL USO DE TOTA LA TENSION REFERIDA COMO DISPONIBLE EN PANTALLA. VER EL MANUAL DEL OPERADOR PARA INFORMACION ADICIONAL. CAMBIE FRENIADO Y RETRANADO.

PENDIENTE ACTUAL, NO INCLUYESE LA RESISTENCIA AL BRAZO  
WBS363

## PELIGRO

### PELIGRO DE ALTO VOLTAJE

Este panel es autoabreñdido tiene acceso.  
El alto voltaje puede causar heridas graves o la muerte.  
El alto voltaje puede estar presente aun cuando el motor  
y la batería de carga del condensador están apagados.

Compruebe todos los sistemas de seguridad antes de usar este panel.

1. Desconecte el sistema de ignición y el sistema de combustible para evitar el riesgo de incendio o explosión. Desconecte el sistema de ignición y el sistema de combustible para evitar el riesgo de incendio o explosión.
2. Desconecte el sistema de ignición y el sistema de combustible para evitar el riesgo de incendio o explosión. Desconecte el sistema de ignición y el sistema de combustible para evitar el riesgo de incendio o explosión.
3. Desconecte el sistema de ignición y el sistema de combustible para evitar el riesgo de incendio o explosión. Desconecte el sistema de ignición y el sistema de combustible para evitar el riesgo de incendio o explosión.
4. Desconecte el sistema de ignición y el sistema de combustible para evitar el riesgo de incendio o explosión. Desconecte el sistema de ignición y el sistema de combustible para evitar el riesgo de incendio o explosión.



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4. Desconecte el sistema de ignición y el sistema de combustible para evitar el riesgo de incendio o explosión. Desconecte el sistema de ignición y el sistema de combustible para evitar el riesgo de incendio o explosión.

6

7

10



## CAUTION

TO AVOID INJURY FROM  
HOT OIL SPRAY,  
PULL A VACUUM ON THE  
HYDRAULIC TANK  
BEFORE REMOVING  
PLUG

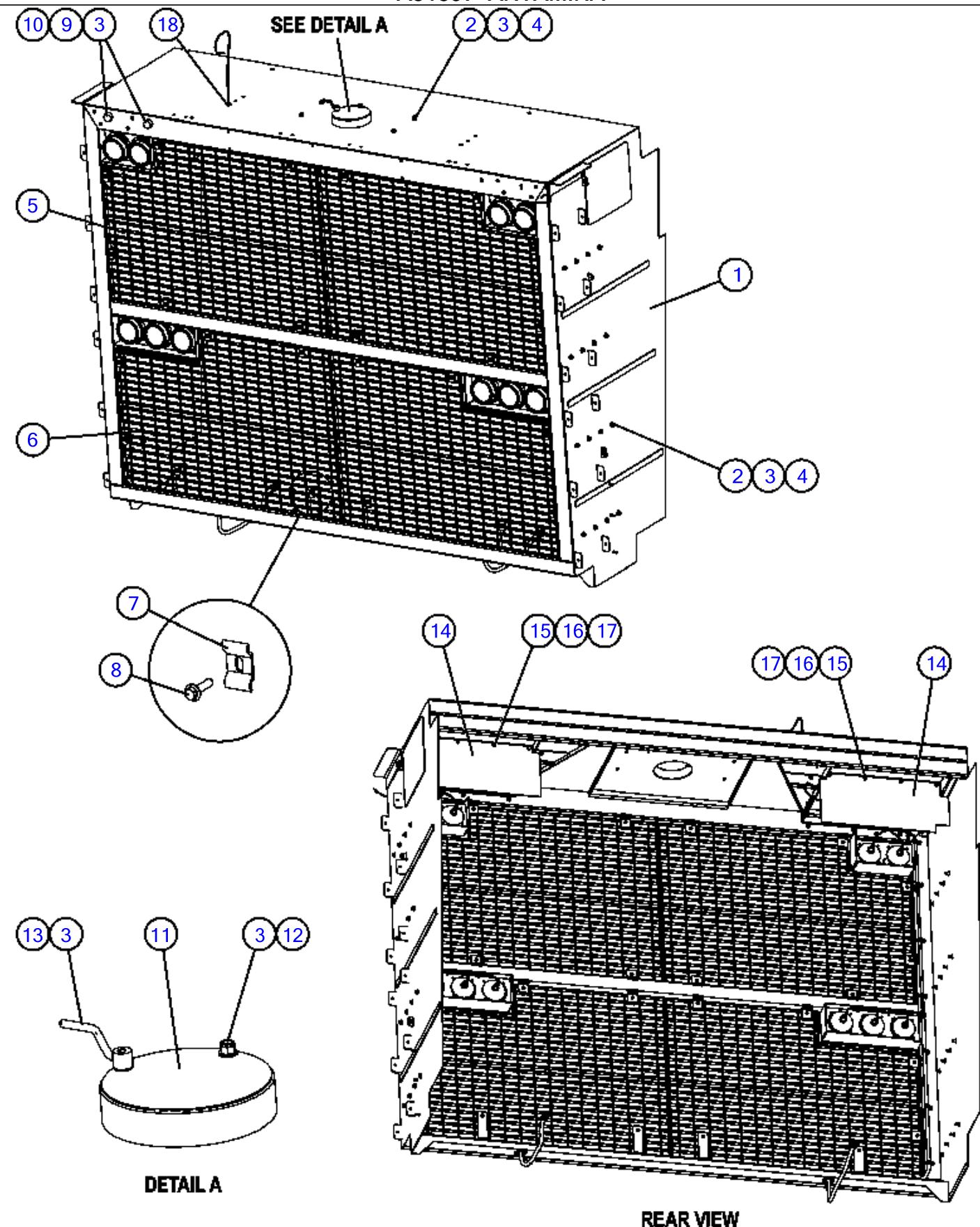
WBS364

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## DECALS & WARNINGS (SPANISH) 4/4

Item	Part No	Description	Qty
1	WB2521	DECAL, LADDER LIGHT & ENGINE SHUTDOWN SWITCHES (FRONT FRAME)	1
2	WB2520	DECAL, ENGINE BAY LIGHT SWITCH (BOTH FRONT FRAMES)	1
3	EM3240	PLATE, EMERGENCY SHUTDOWN ONLY (GROUND LEVEL ENGINE SHUTDOWN SWITCH)	1
4	WB3897	DECAL, CAPACITOR DISCHARGE WARNING (INSIDE CONTROL CABINET)	1
5	WB3260	DECAL, GREASE FILL WARNING (AUTO LUBE TANK)	1
6	09845-00480	PLATE, SAFETY (OVERHEAD DASH PANEL)	1
7	WA3417	PLATE, HIGH PRESSURE NITROGEN CYLINDER DANGER (FRONT & REAR SUSPENSION CYLINDERS)	4
8	WB3263	DECAL, GRADE SPEED CHART (INSIDE CAB)	1
9	58E-93-00470	DECAL, HIGH VOLTAGE WARNING (RETARDING GRID & CONTACTOR BOX)	6
10	XC0993	PLATE ASSEMBLY (FRONT WHEEL HUBS)	2
	XB8490	• PLATE	1
	58E-93-00620	• DECAL, HOT OIL CAUTION	1
	TC1234	CAPSCREW - 3/8" - 16NC X 3/4"	4
	C0312	LOCKWASHER - 3/8"	4
	WA0720	FLAT WASHER - 3/8" (HARDENED)	4

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

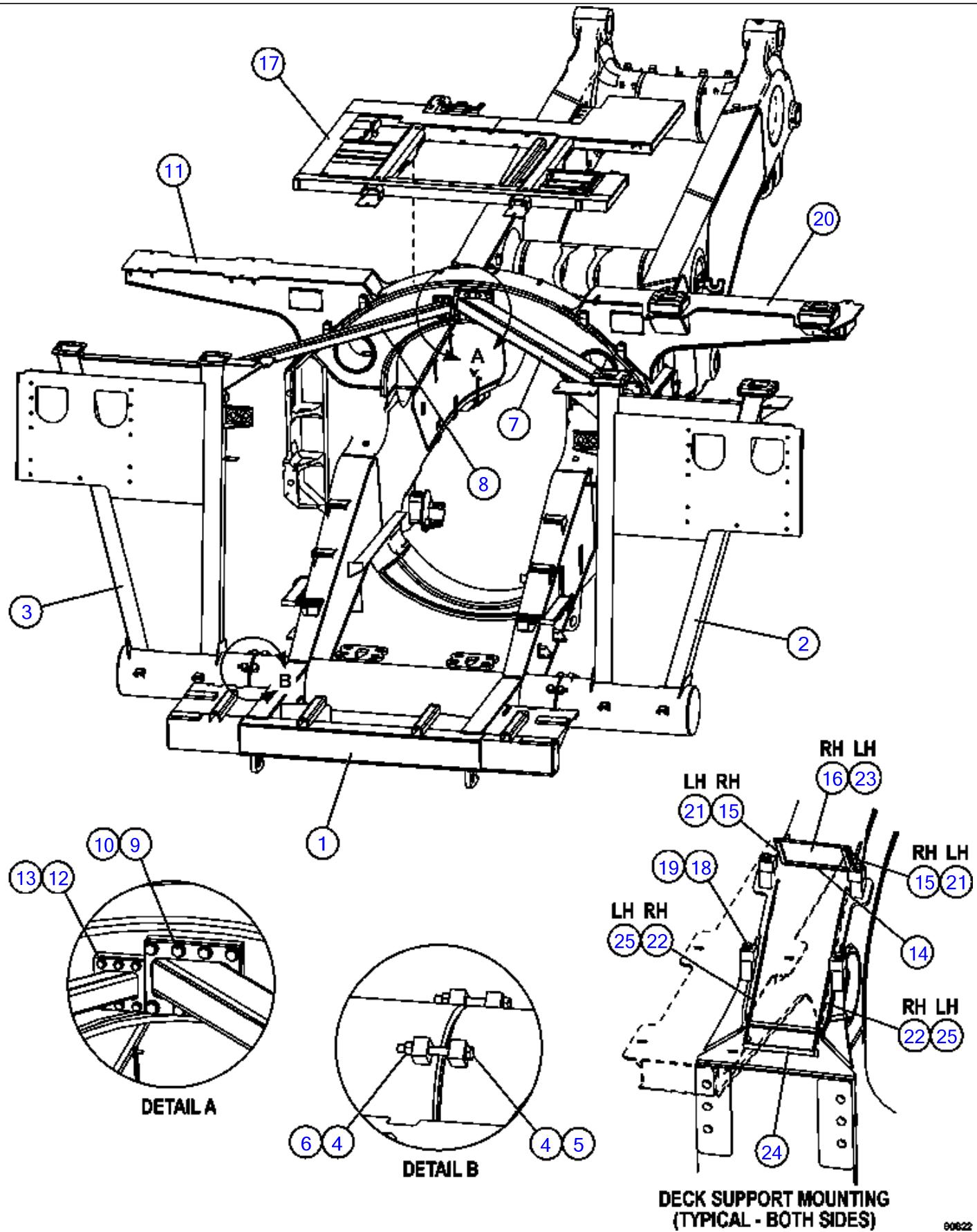


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### GRILLE INSTALLATION

Item	Part No	Description	Qty
1	XC3531	HOUSING, GRILLE	1
2	TR1376	CAPSCREW - 1/2" - 13NC X 1 1/4"	36
3	TR6008	FLAT WASHER - 1/2"	40
4	TR5445	LOCKWASHER - 1/2"	36
5	EJ2479	INSERT, GRILLE - TOP	2
6	EJ6260	INSERT, GRILLE - BOTTOM	2
7	TY7538	CLIP	24
8	WA3364	LOCKSCREW	24
9	PB9890	BUMPER, RUBBER	2
10	VG7146	CAPSCREW - 1/2" - 13NC X 3/4"	2
11	EF8143	PLATE, COVER	1
12	DF3500	LOCKNUT - 1/2" - 13NC	1
13	PB6877	NUT, LEVER - 1/2" - 13NC	1
14	XB8563	AIR DAM (TOP)	2
15	MM0042	CAPSCREW - M10 X 1.50 X 25	8
16	MM0461	FLAT WASHER - M10	8
17	MM0471	LOCKWASHER - M10	8
18	SG2103	GROMMET, RUBBER	1

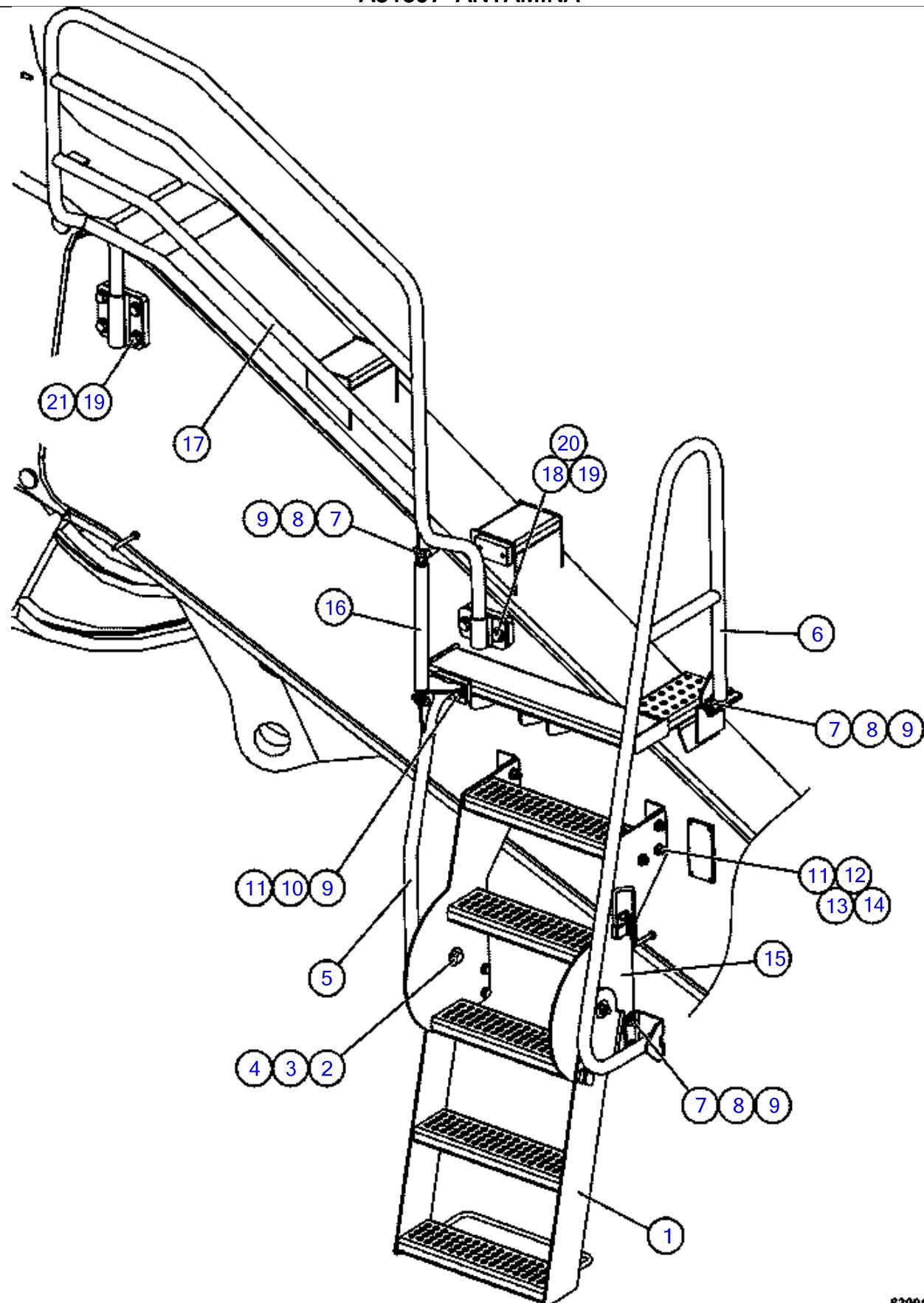
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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA



**AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31597 ANTAMINA**  
**FRAME & UPRIGHTS**

Item	Part No	Description	Qty
1		FRAME, MAIN (1)	1
2		UPRIGHT - L.H. (1)	1
3		UPRIGHT - R.H. (1)	1
4	MM0465	FLAT WASHER - M20	16
5	MM0168	CAPSCREW - M20 X 2.50 X 180	8
6	MM0182	NUT - M20 X 2.50	8
7		TUBE, ROPS - L.H. (1)	1
8		TUBE, ROPS - R.H. (1)	1
9	01643-32460	FLAT WASHER - M24 (HARDENED)	16
10	MM0058	CAPSCREW - M24 X 3.00 X 60	16
11	EL1255	SUPPORT, DECK - R.H.	1
12	01643-31645	FLAT WASHER - M16 (HARDENED)	12
13	MM0071	CAPSCREW - M16 X 2.00 X 45	12
14	EK3908	BACKER	2
15	EK3905	BACKER, VERTICAL - R.H.	2
16	EK3904	PLATE, END CAP - R.H.	1
17	EM4594	SUPPORT, DECK - CENTER	1
18	01643-32060	FLAT WASHER - M20 (HARDENED)	8
19	MM0109	CAPSCREW - M20 X 2.50 X 90	8
20	EL1256	SUPPORT, DECK - L.H.	1
21	EK3910	BACKER, VERTICAL - L.H.	2
22	EK3914	BACKER - L.H.	2
23	EK3909	PLATE, END CAP - L.H.	1
24	ED4792	BACKER	2
25	EK3915	BACKER - R.H.	2
NS		NOTE: (1) ORDER FROM FACTORY.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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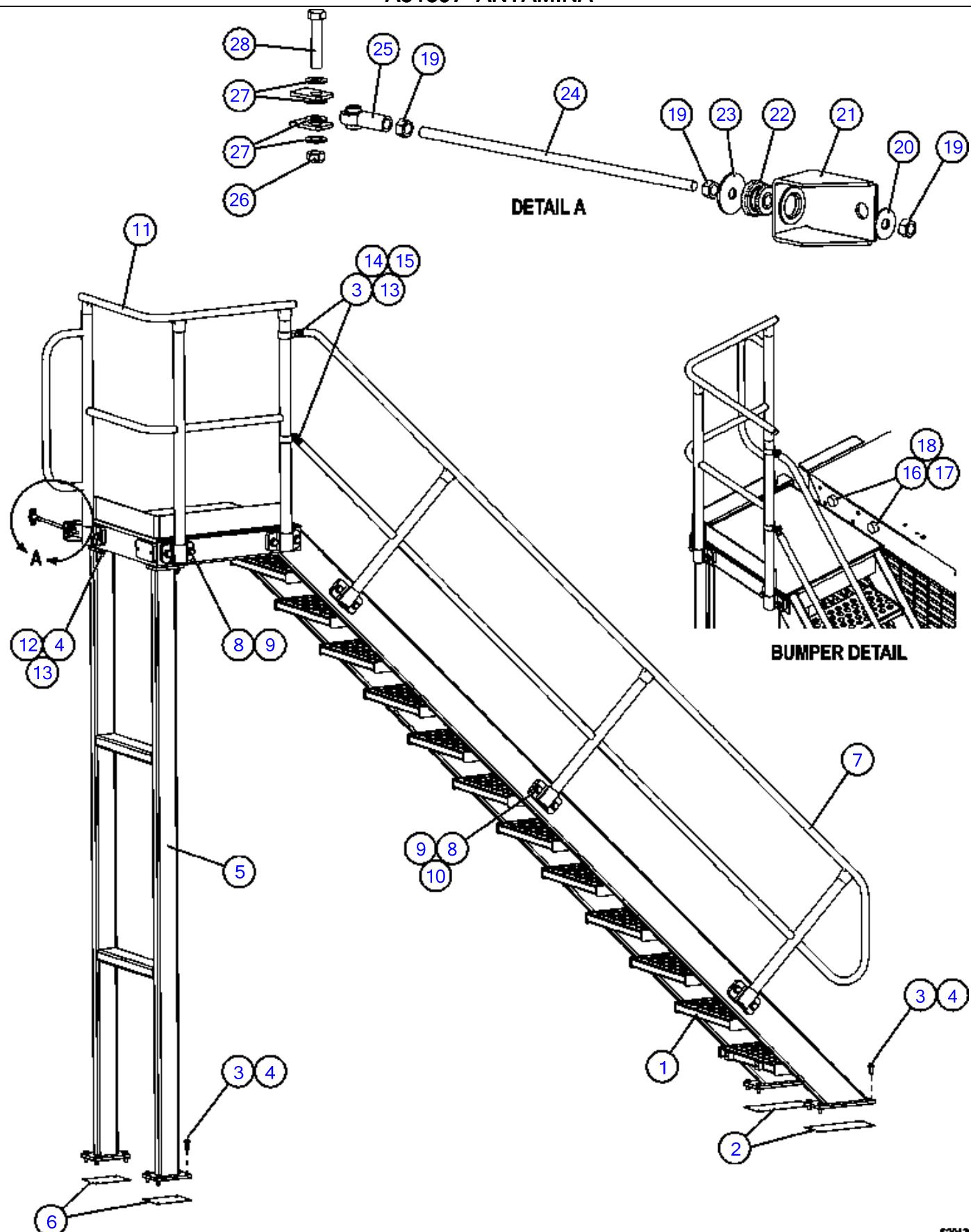


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 A31597 ANTAMINA

## ENGINE ACCESS LADDERS & HANDRAILS

Item	Part No	Description	Qty
1	EM1328	LADDER, ACCESS - L.H. SIDE	1
	EM1331	LADDER, ACCESS - R.H. SIDE	1
2	VN9952	LOCKNUT - 5/8" - 11NC	4
3	WA4863	FLAT WASHER - 5/8"	8
4	TV1748	CAPSCREW - 5/8" - 11NC X 1 1/2"	4
5	XB3783	HANDRAIL - L.H. SIDE	1
	XB3784	HANDRAIL - R.H. SIDE	1
6	EM4706	HANDRAIL - L.H. SIDE	1
	EM4704	HANDRAIL - R.H. SIDE	1
7	MM0619	CAPSCREW - M12 X 1.75 X 35	16
8	MM0694	LOCKNUT - M12 X 1.75	16
9	MM0462	FLAT WASHER - M12	36
10	MM0618	CAPSCREW - M12 X 1.75 X 30	4
11	MM0472	LOCKWASHER - M12	16
12	MM0714	FLAT WASHER - M12 (HARDENED)	24
13	MM0620	CAPSCREW - M12 X 1.75 X 40	12
14	MM0179	NUT - M12 X 1.75	12
15	EM5084	STEPS, ENGINE EGRESS - L.H. SIDE	1
	EM5085	STEPS, ENGINE EGRESS - R.H. SIDE	1
16	EM1489	SUPPORT, HANDRAIL	2
17	XB3418	HANDRAIL - L.H. SIDE	1
	XB8959	HANDRAIL - R.H. SIDE	1
18	XB3797	PLATE, SPACER	2
19	MM0706	FLAT WASHER - M16 (HARDENED)	12
20	MM0029	CAPSCREW - M16 X 2.00 X 30	4
21	MM0012	CAPSCREW - M16 X 2.00 X 25	8

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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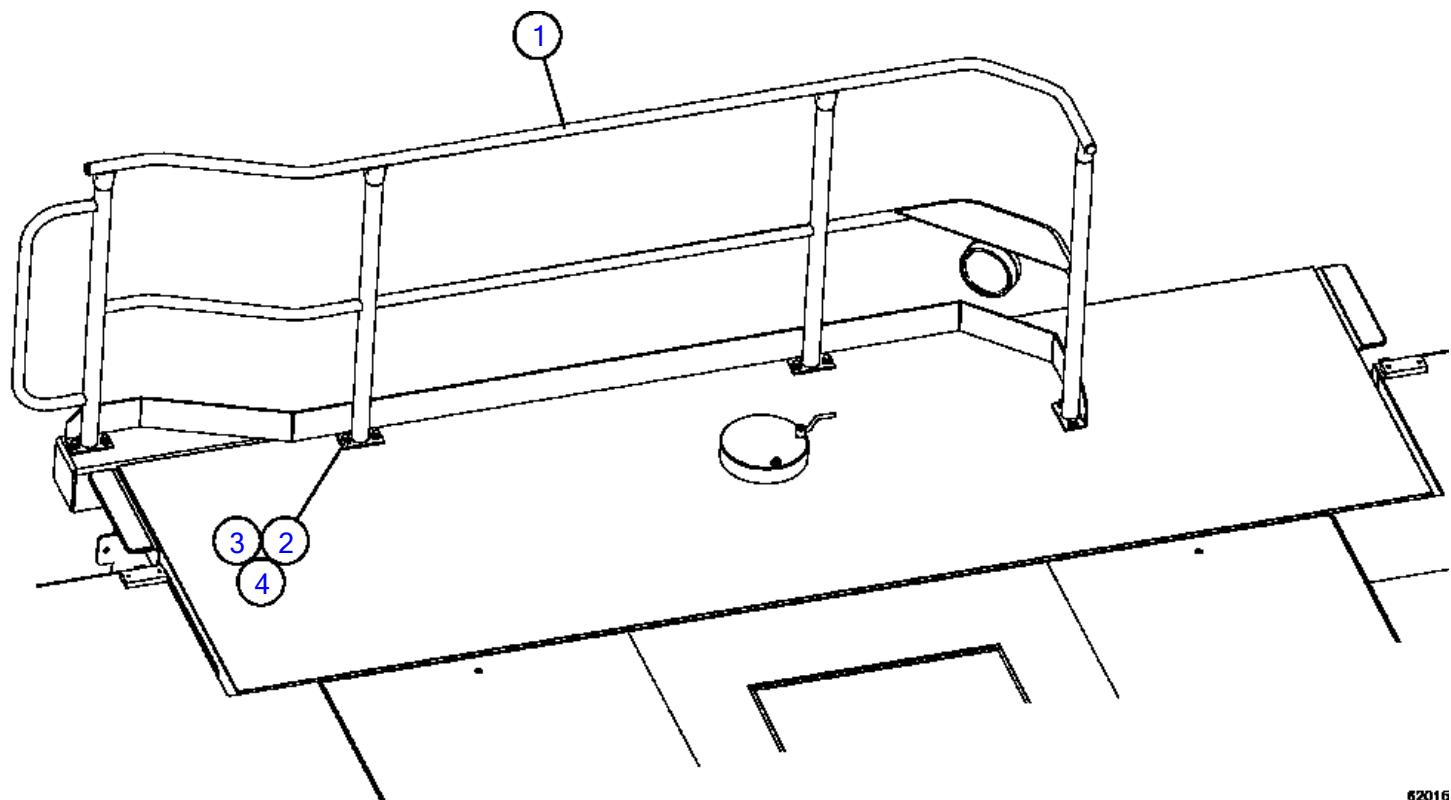


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 A31597 ANTAMINA

### DIAGONAL LADDER INSTALLATION - L.H.

Item	Part No	Description	Qty
1	XC2463	LADDER, DIAGONAL	1
2	EJ6571	SHIM	4
3	MM0619	CAPSCREW - M12 X 1.75 X 35	18
4	MM0462	FLAT WASHER - M12	24
5	EL0144	SUPPORT, DIAGONAL LADDER	1
6	EJ6569	SHIM	4
7	XB2852	HANDRAIL, DIAGONAL LADDER	1
8	MM0012	CAPSCREW - M16 X 2.00 X 25	12
9	MM0706	FLAT WASHER - M16 (HARDENED)	12
10	EM3894	CLAMP	3
11	XB3890	HANDRAIL, DIAGONAL LADDER PLATFORM	1
12	MM0621	CAPSCREW - M12 X 1.75 X 45	4
13	MM0179	NUT - M12 X 1.75	6
14	MM0714	FLAT WASHER - M12 (HARDENED)	2
15	MM0472	LOCKWASHER - M12	2
16	PB9890	BUMPER, RUBBER	2
17	VG7146	CAPSCREW - 1/2" - 13NC X 3/4"	2
18	TR6008	FLAT WASHER - 1/2"	2
19	TL8151	JAM NUT - 1/2" - 20NF	3
20	EK9095	WASHER	1
21	EM0573	BRACKET	1
22	VP3771	MOUNT, SHOCK	1
23	EK9094	WASHER	1
24	EM4603	ROD, THREADED	1
25	PC1247	ROD END, FEMALE	1
26	DF3500	LOCKNUT - 1/2" - 13NC	1
27	WA4728	FLAT WASHER - 1/2" (HARDENED)	4
28	VC4898	CAPSCREW - 1/2" - 13NC X 2 1/2"	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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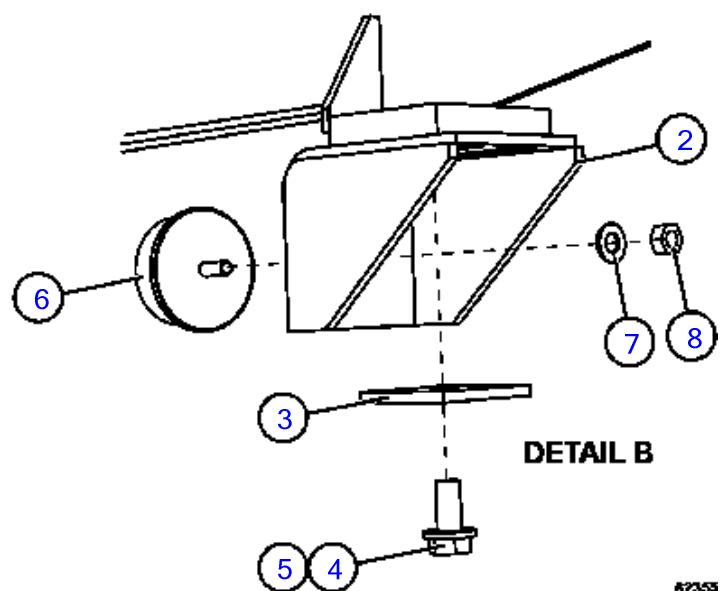
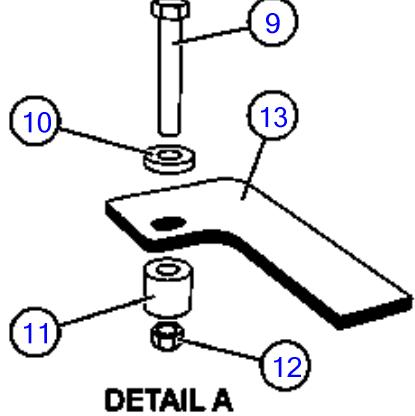
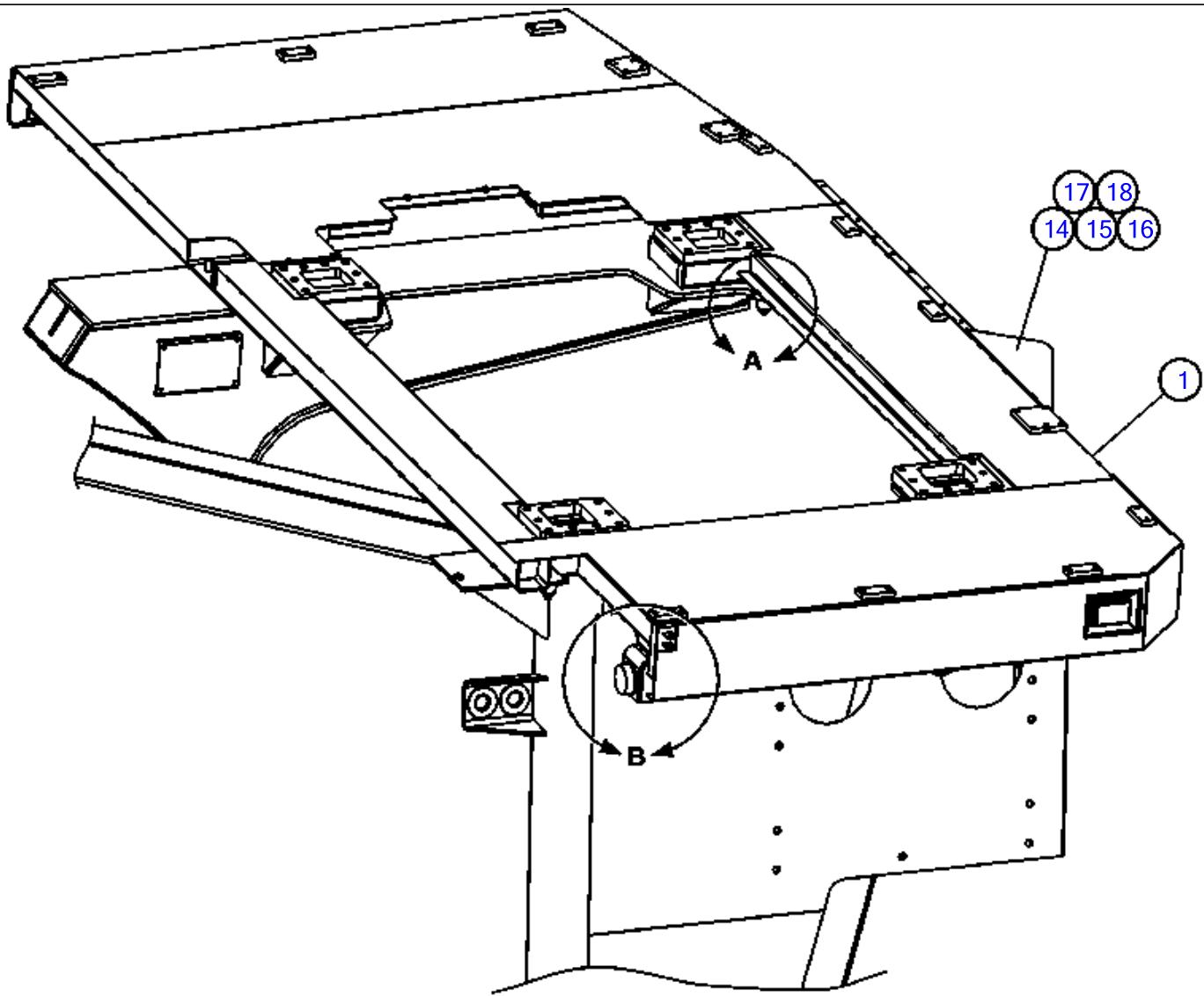


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**A31597 ANTAMINA**  
**GRILLE HANDRAIL**

Item	Part No	Description	Qty
1	XB3889	HANDRAIL, GRILLE	1
2	MM0619	CAPSCREW - M12 X 1.75 X 35	8
3	MM0472	LOCKWASHER - M12	8
4	MM0714	FLAT WASHER - M12 (HARDENED)	8

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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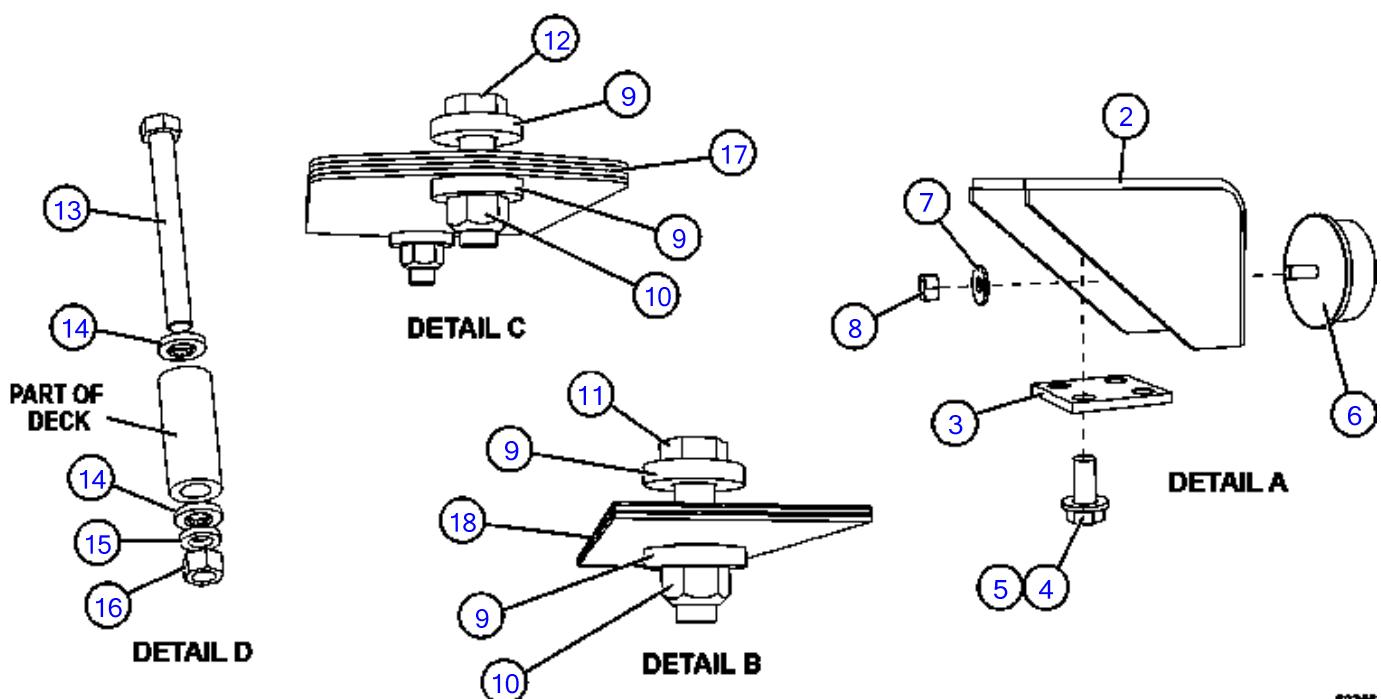
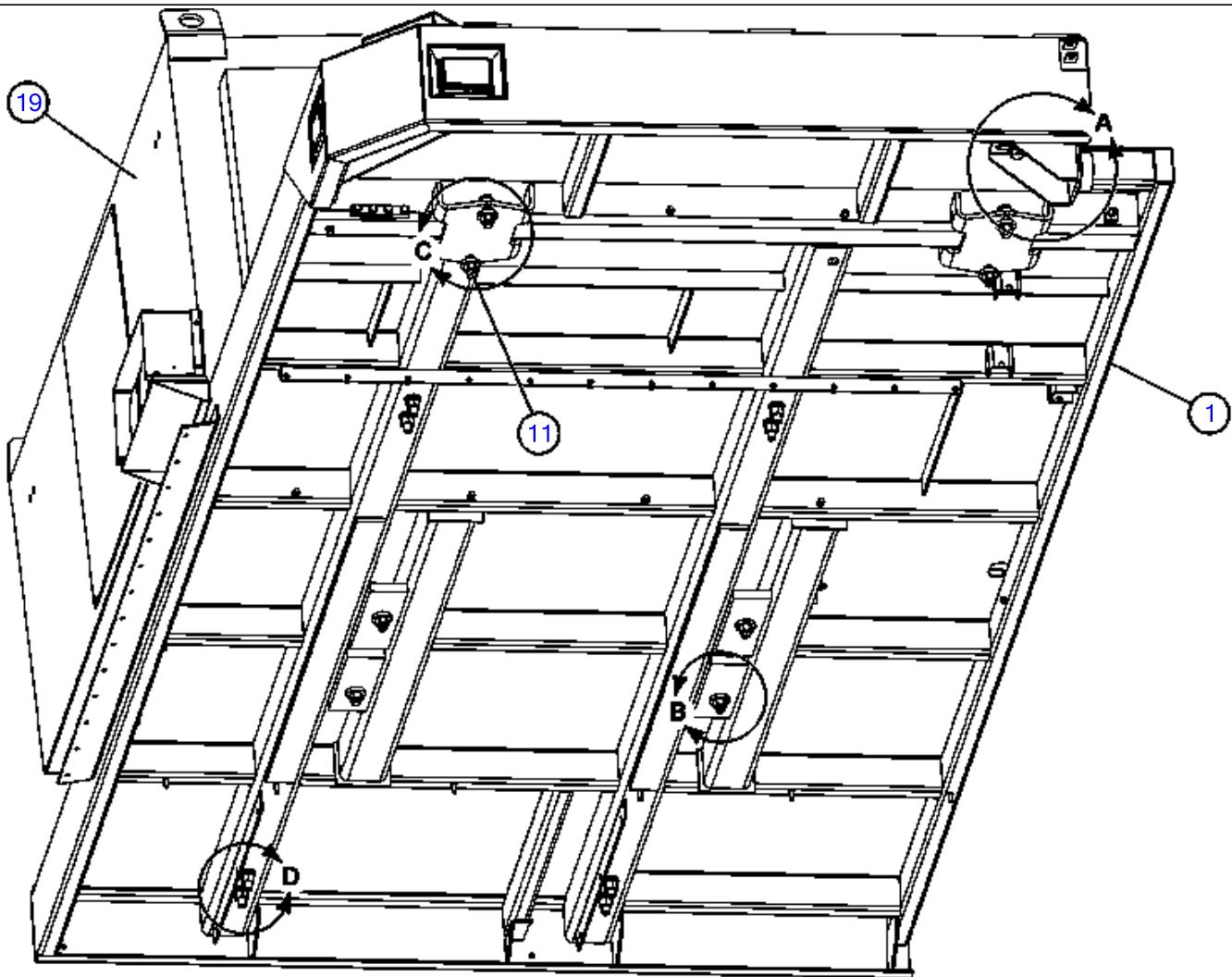


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 A31597 ANTAMINA

### L.H. DECK INSTALLATION

Item	Part No	Description	Qty
1	XC2322	DECK - L.H.	1
2	EJ2443	BRACKET	1
3	EC7589	PLATE	1
4	MM0031	CAPSCREW - M20 X 2.50 X 45	4
5	MM0707	FLAT WASHER - M20 (HARDENED)	4
6	D104556	BUMPER	1
7	VN9780	FLAT WASHER - 9/16"	1
8	TR6643	NUT - 1/2" - 13NC	1
9	MM0128	CAPSCREW - M20 X 2.50 X 110	6
10	EC7594	FLAT WASHER (HARDENED)	6
11	EG9144	SPACER	6
12	MM0697	LOCKNUT - M20 X 2.50	6
13	EM9042	SHIM	24
14	XB4729	EXTENSION, DECK	1
15	MM0462	FLAT WASHER - M12	4
16	MM0472	LOCKWASHER - M12	4
17	MM0179	NUT - M12 X 1.75	4
18	MM0627	CAPSCREW - M12 X 1.75 X 100	4

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

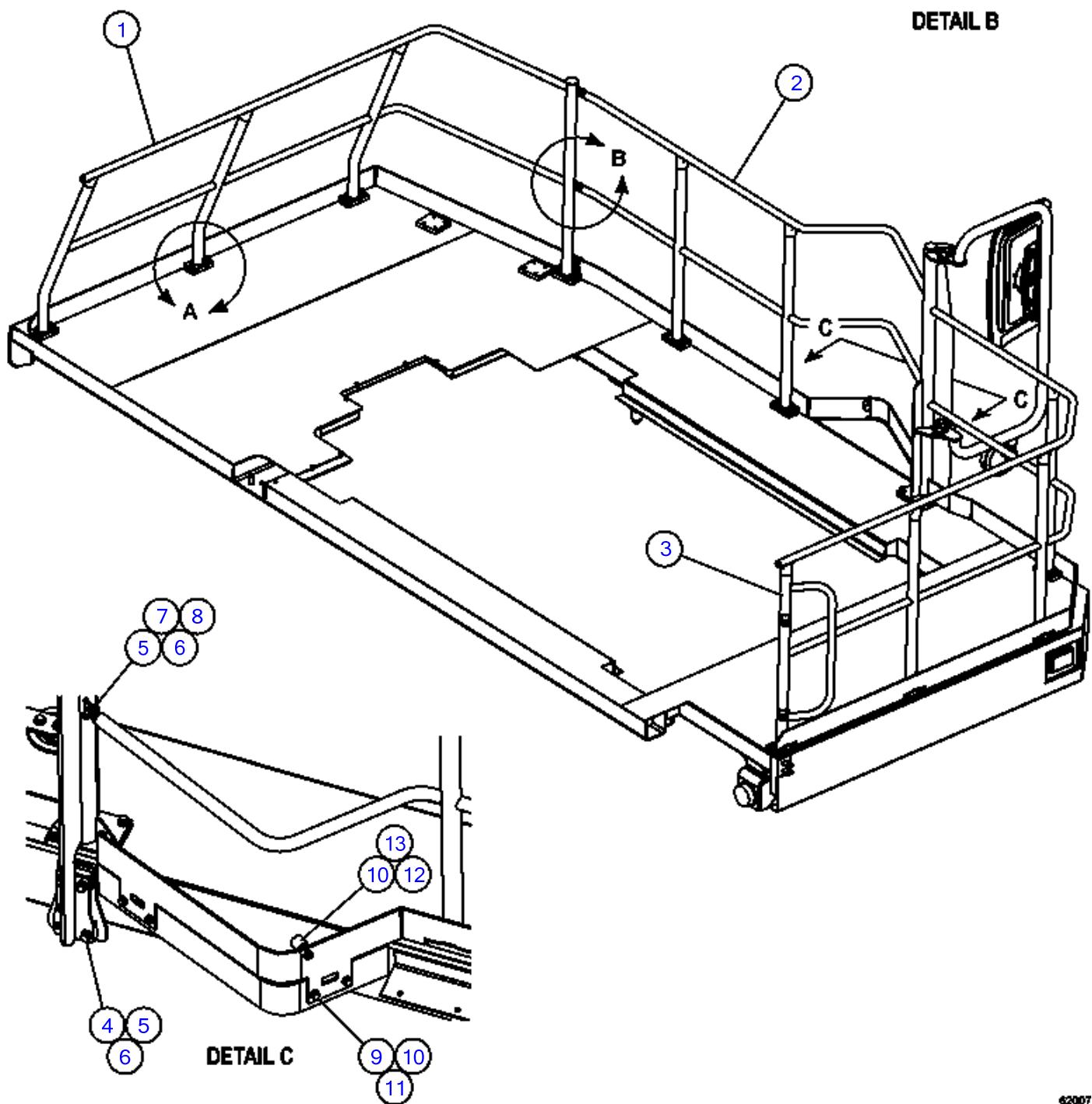
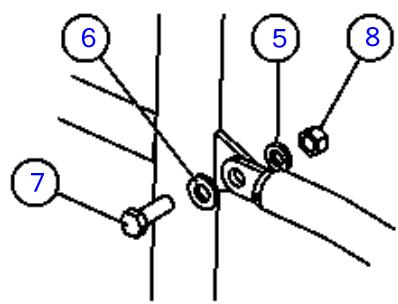
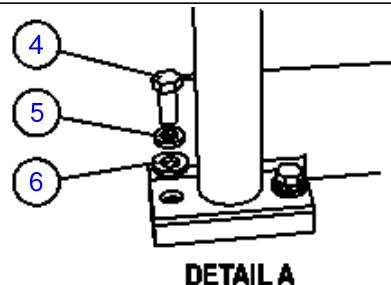


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 A31597 ANTAMINA

## R.H. DECK & RETARDING GRID INSTALLATION

Item	Part No	Description	Qty	Page
1	XC2408	DECK - R.H.	1	
2	EJ2443	BRACKET	1	
3	EC7589	PLATE	1	
4	MM0031	CAPSCREW - M20 X 2.50 X 45	4	
5	MM0707	FLAT WASHER - M20 (HARDENED)	4	
6	D104556	BUMPER	1	
7	VN9780	FLAT WASHER - 9/16"	1	
8	TR6643	NUT - 1/2" - 13NC	1	
9	EC7594	FLAT WASHER (HARDENED)	16	
10	MM0697	LOCKNUT - M20 X 2.50	8	
11	MM0091	CAPSCREW - M20 X 2.50 X 80	5	
12	MM0085	CAPSCREW - M20 X 2.50 X 70	3	
13	MM0168	CAPSCREW - M20 X 2.50 X 180	8	
14	01643-32060	FLAT WASHER - M20 (HARDENED)	16	
15	MM0475	LOCKWASHER - M20	8	
16	MM0182	NUT - M20 X 2.50	8	
17	EM9043	SHIM	8	
18	EM9046	SHIM	16	
19	PC3185	RETARDING GRID ASSEMBLY (SEE INDEX)	1	678

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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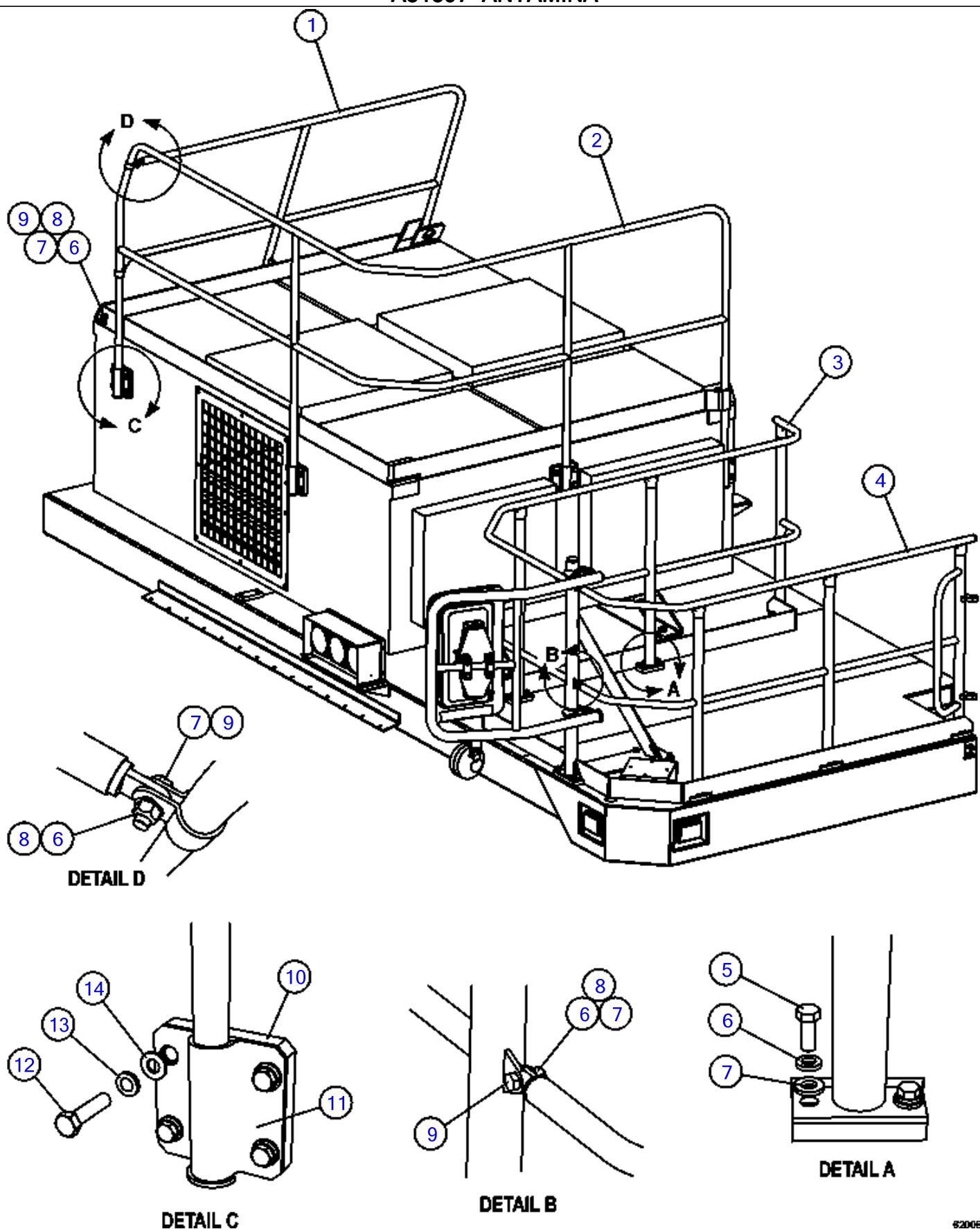


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 A31597 ANTAMINA

### L.H. DECK HANDRAILS

Item	Part No	Description	Qty
1	XB4740	HANDRAIL, L.H. DECK (REAR)	1
2	XB4697	HANDRAIL, L.H. DECK (MID)	1
3	XB7957	HANDRAILS, L.H. DECK (FRONT)	1
4	MM0618	CAPSCREW - M12 X 1.75 X 30	28
5	MM0472	LOCKWASHER - M12	34
6	MM0714	FLAT WASHER - M12 (HARDENED)	34
7	MM0619	CAPSCREW - M12 X 1.75 X 35	6
8	MM0179	NUT - M12 X 1.75	6
9	MM0608	CAPSCREW - M10 X 1.50 X 40	4
10	MM0471	LOCKWASHER - M10	5
11	MM0713	FLAT WASHER - M10 (HARDENED)	4
12	MM0178	NUT - M10 X 1.50	1
13	XB4716	BUMPER	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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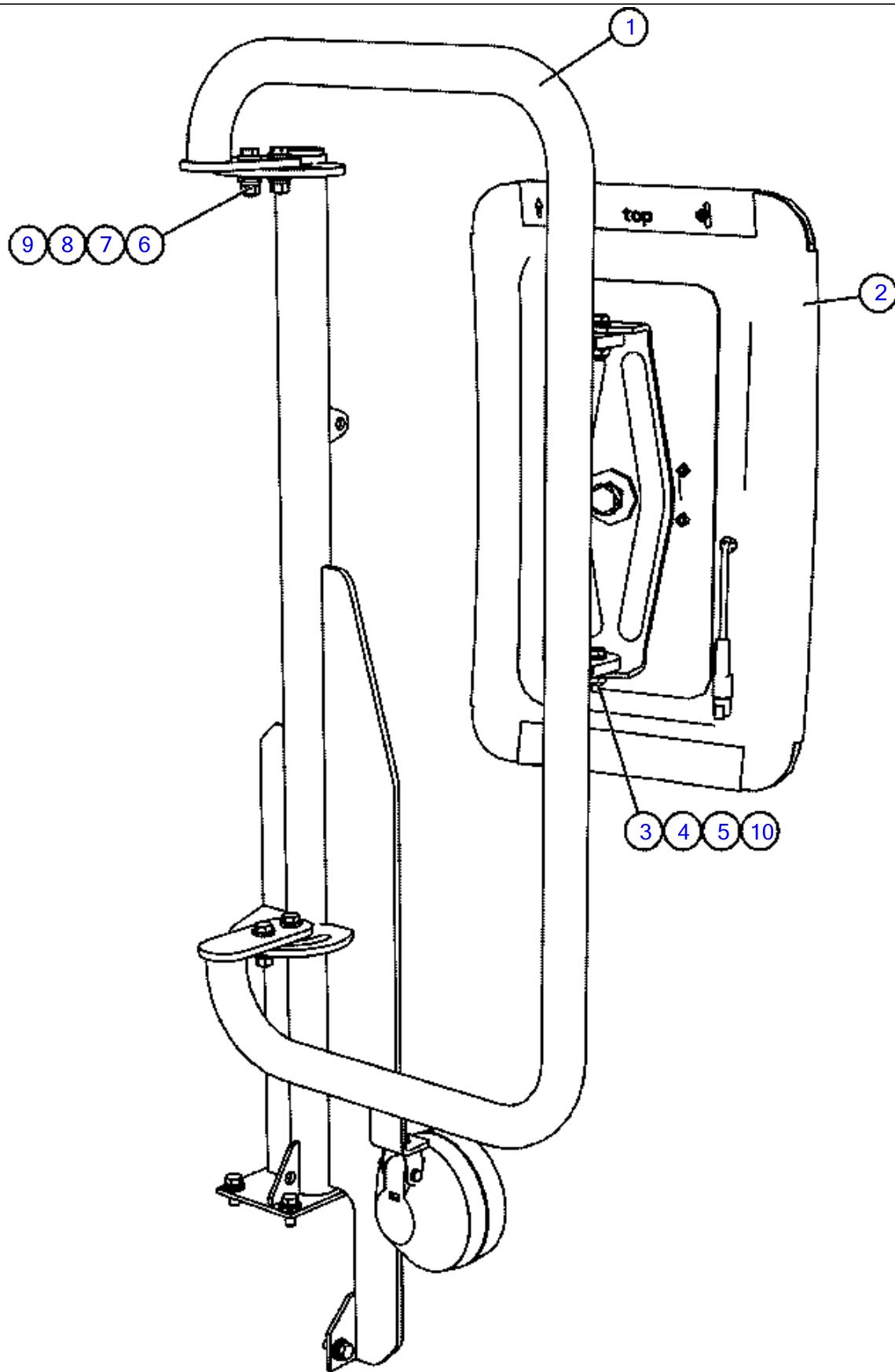


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 A31597 ANTAMINA

### R.H. DECK HANDRAILS

Item	Part No	Description	Qty
1	EM2156	HANDRAIL, RETARDING GRID (REAR)	1
2	EM2155	HANDRAIL, RETARDING GRID (FRONT)	1
3	XB4562	HANDRAIL, R.H. DECK (REAR)	1
4	XB4630	HANDRAIL, R.H. DECK (FRONT)	1
5	MM0618	CAPSCREW - M12 X 1.75 X 30	20
6	MM0472	LOCKWASHER - M12	27
7	MM0714	FLAT WASHER - M12 (HARDENED)	27
8	MM0179	NUT - M12 X 1.75	7
9	MM0619	CAPSCREW - M12 X 1.75 X 35	7
10	EM2229	PAD	6
11	EL9093	BRACKET	6
12	C1616	CAPSCREW - 1/2" - 13NC X 2"	24
13	TR5445	LOCKWASHER - 1/2"	24
14	TR6008	FLAT WASHER - 1/2"	24

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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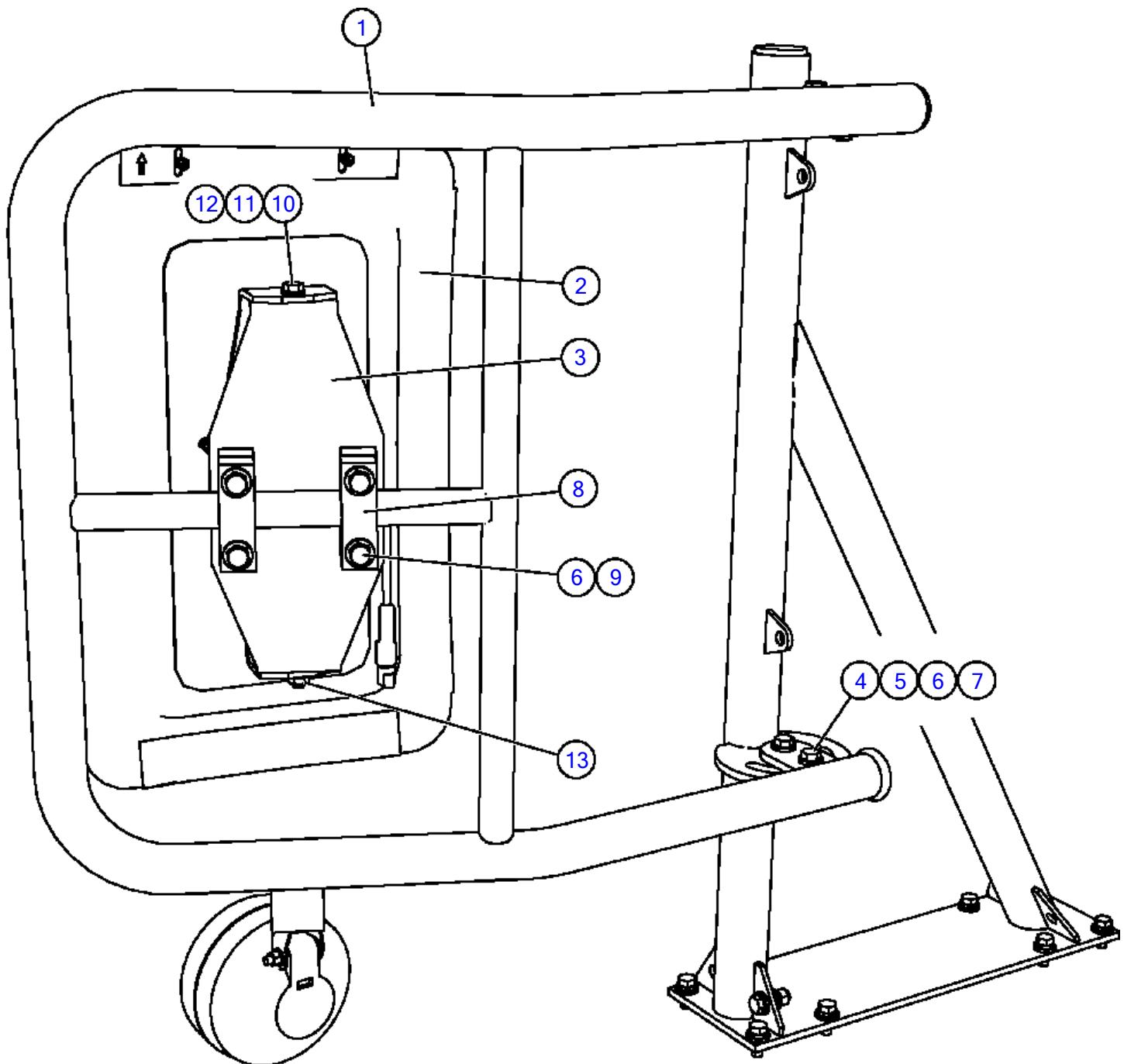
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 A31597 ANTAMINA

### LH MIRROR INSTALLATION

Item	Part No	Description	Qty
1	XB5778	MOUNT, MIRROR	1
2	PC2930	MIRROR	1
	XA5483	• KIT, HEATED MIRROR GLASS REPAIR	1
	XA5484	• KIT, TOP MIRROR CAP REPAIR	1
	XA5485	• KIT, HEATED MIRROR CASE REPAIR	1
	XA5486	• KIT, BALL STUD ASSEMBLY REPAIR	1
	XA5487	• KIT, ELECTRIC WIRING REPAIR	1
3	MM0608	CAPSCREW - M10 X 1.50 X 40	2
4	MM0713	FLAT WASHER - M10	2
5	MM0693	LOCKNUT - M10 X 1.50	2
6	MM0621	CAPSCREW - M12 X 1.75 X 45	4
7	MM0714	FLAT WASHER - M12	8
8	MM0472	LOCKWASHER - M12	4
9	MM0179	NUT - M12 X 1.75	4
10	08193-21012	CLIP	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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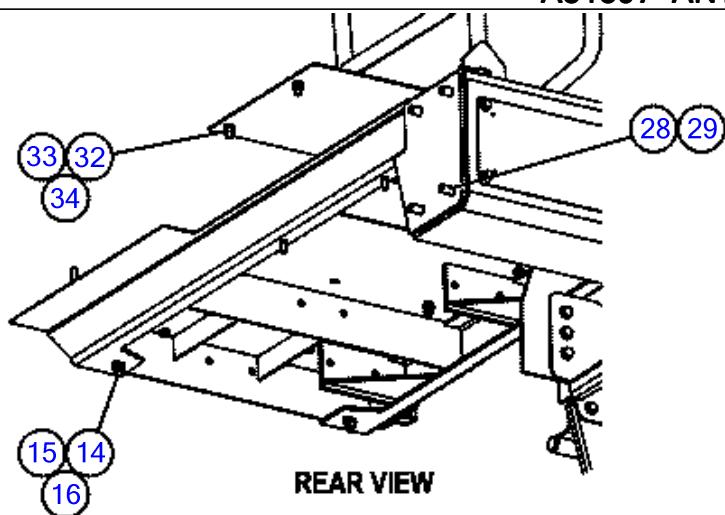


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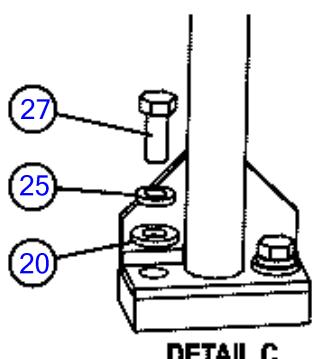
### RH MIRROR INSTALLATION

Item	Part No	Description	Qty
1	EM9031	MOUNT, MIRROR	1
2	PC2930	MIRROR	1
	XA5483	• KIT, HEATED MIRROR GLASS REPAIR	1
	XA5484	• KIT, TOP MIRROR CAP REPAIR	1
	XA5485	• KIT, HEATED MIRROR CASE REPAIR	1
	XA5486	• KIT, BALL STUD ASSEMBLY REPAIR	1
	XA5487	• KIT, ELECTRIC WIRING REPAIR	1
3	XB5568	MOUNT, MIRROR	1
4	MM0621	CAPSCREW - M12 X 1.75 X 45	4
5	MM0472	LOCKWASHER - M12	4
6	MM0714	FLAT WASHER - M12	4
7	MM0179	NUT - M12 X 1.75	4
8	EM9038	CLAMP	2
9	MM0623	CAPSCREW - M12 X 1.75 X 60	4
10	MM0606	CAPSCREW - M10 X 1.50 X 30	2
11	MM0713	FLAT WASHER - M10	4
12	MM0693	LOCKNUT - M10 X 1.50	2
13	08193-21012	CLIP	1

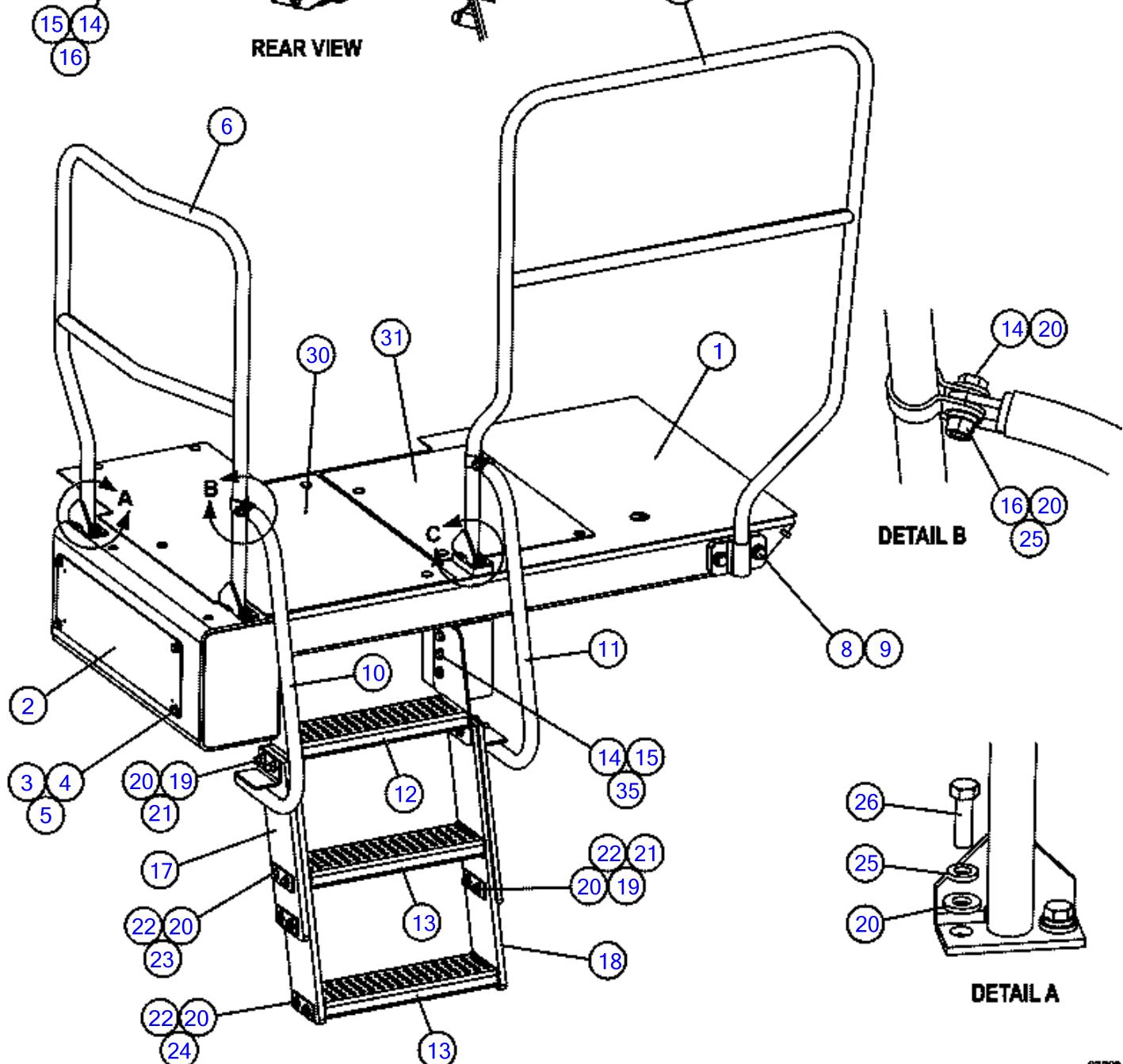
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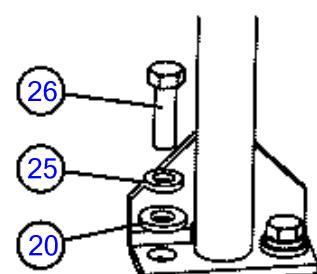
REAR VIEW



DETAIL C



DETAIL B

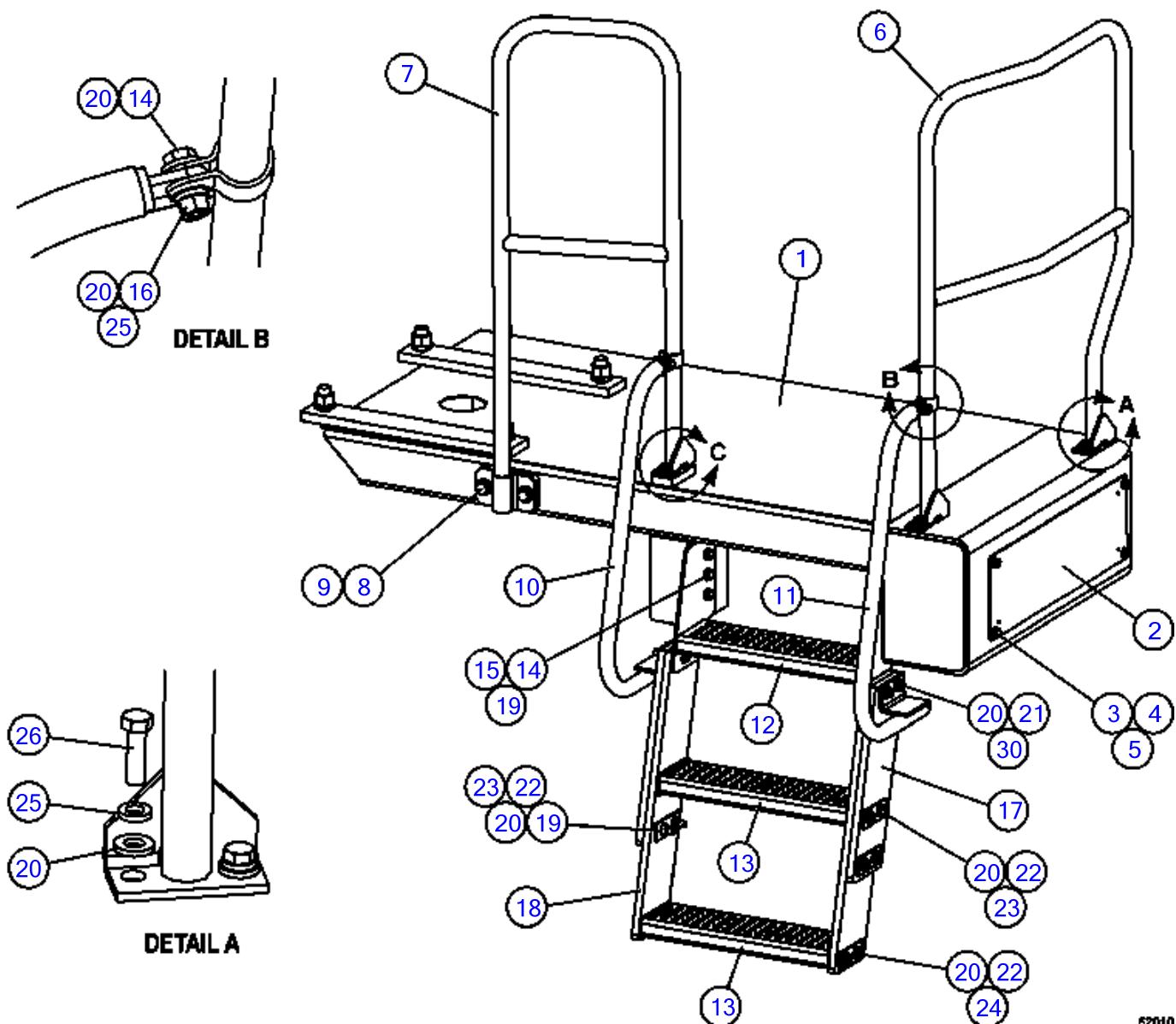
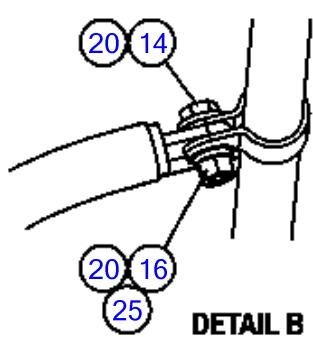
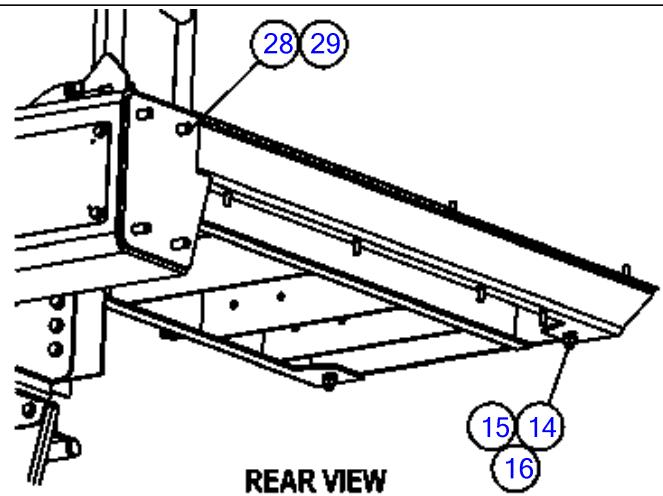
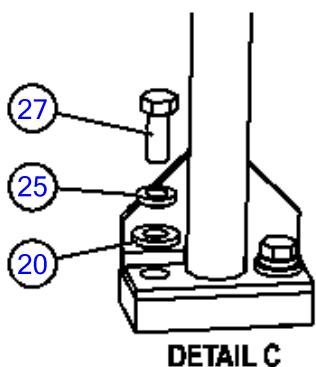


DETAIL A

**AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA**  
**LH STEPS & PLATFORM**

Item	Part No	Description	Qty
1	XB2906	PLATFORM, LH	1
2	EM9230	PLATE, COVER	1
3	MM0606	CAPSCREW - M10 X 1.50 X 30	4
4	MM0471	LOCKWASHER - M10	4
5	MM0713	FLAT WASHER - M10 (HARDENED)	4
6	XB2912	HANDRAIL	1
7	XB2823	HANDRAIL	1
8	MM0012	CAPSCREW - M16 X 2.00 X 25	2
9	MM0706	FLAT WASHER - M16 (HARDENED)	2
10	EL6441	HANDRAIL	1
11	EL6443	HANDRAIL	1
12	EL6438	STEP	1
13	EL0827	TREAD	2
14	MM0619	CAPSCREW - M12 X 1.75 X 35	10
15	MM0462	FLAT WASHER - M12	16
16	MM0179	NUT - M12 X 1.75	4
17	EL6439	STRAP, RUBBER	2
18	EL6436	STRAP, RUBBER	2
19	MM0694	LOCKNUT - M12 X 1.75	8
20	MM0714	FLAT WASHER - M12 (HARDENED)	34
21	MM0624	CAPSCREW - M12 X 1.75 X 70	8
22	EL0828	FLAT	8
23	MM0623	CAPSCREW - M12 X 1.75 X 60	4
24	MM0622	CAPSCREW - M12 X 1.75 X 50	4
25	MM0472	LOCKWASHER - M12	8
26	MM0620	CAPSCREW - M12 X 1.75 X 40	4
27	MM0618	CAPSCREW - M12 X 1.75 X 30	2
28	MM0071	CAPSCREW - M16 X 2.00 X 45	4
29	MM0706	FLAT WASHER - M16 (HARDENED)	4
30	XB3296	SHEET, DIMPLED	1
31	XB5314	TREAD	1
32	MM0461	FLAT WASHER - M10	10
33	MM0471	LOCKWASHER - M10	10
34	MM0178	NUT - M10 X 1.50	10
35	MM0720	NUT - M12 X 1.75	6

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

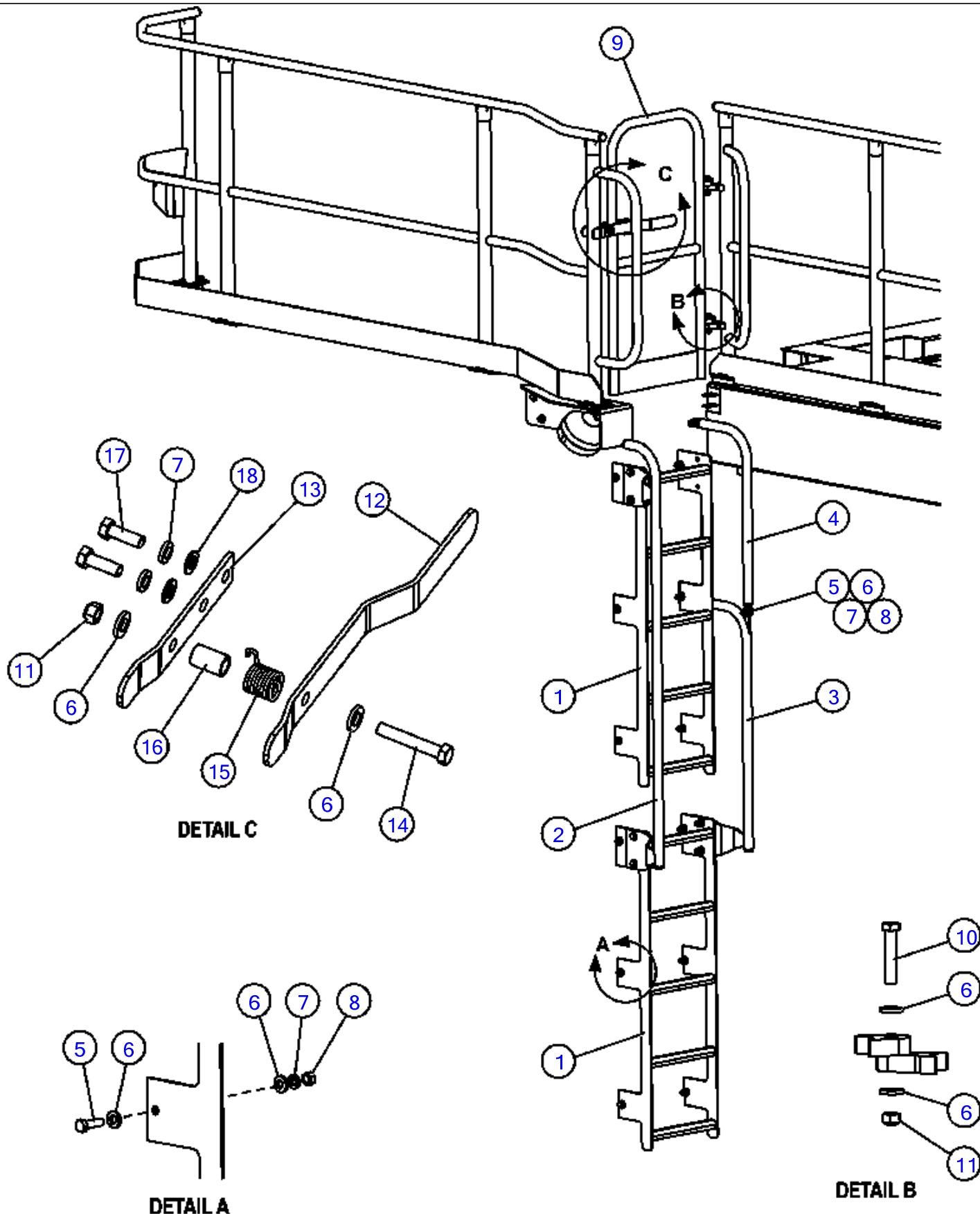


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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA**

**RH STEPS & PLATFORM**

Item	Part No	Description	Qty
1	XB2904	PLATFORM, RH	1
2	EM9230	PLATE, COVER	1
3	MM0606	CAPSCREW - M10 X 1.50 X 30	4
4	MM0471	LOCKWASHER - M10	4
5	MM0713	FLAT WASHER - M10 (HARDENED)	4
6	XB3027	HANDRAIL	1
7	EM0326	HANDRAIL	1
8	MM0012	CAPSCREW - M16 X 2.00 X 25	2
9	MM0706	FLAT WASHER - M16 (HARDENED)	2
10	EL6441	HANDRAIL	1
11	EL6443	HANDRAIL	1
12	EL6438	STEP	1
13	EL0827	TREAD	2
14	MM0619	CAPSCREW - M12 X 1.75 X 35	10
15	MM0462	FLAT WASHER - M12	16
16	MM0179	NUT - M12 X 1.75	4
17	EL6439	STRAP, RUBBER	2
18	EL6436	STRAP, RUBBER	2
19	MM0694	LOCKNUT - M12 X 1.75	8
20	MM0714	FLAT WASHER - M12 (HARDENED)	34
21	MM0624	CAPSCREW - M12 X 1.75 X 70	4
22	EL0828	FLAT	8
23	MM0623	CAPSCREW - M12 X 1.75 X 60	8
24	MM0622	CAPSCREW - M12 X 1.75 X 50	4
25	MM0472	LOCKWASHER - M12	8
26	MM0620	CAPSCREW - M12 X 1.75 X 40	4
27	MM0618	CAPSCREW - M12 X 1.75 X 30	2
28	MM0071	CAPSCREW - M16 X 2.00 X 45	4
29	MM0706	FLAT WASHER - M16 (HARDENED)	4
30	MM0720	NUT - M12 X 1.75	6

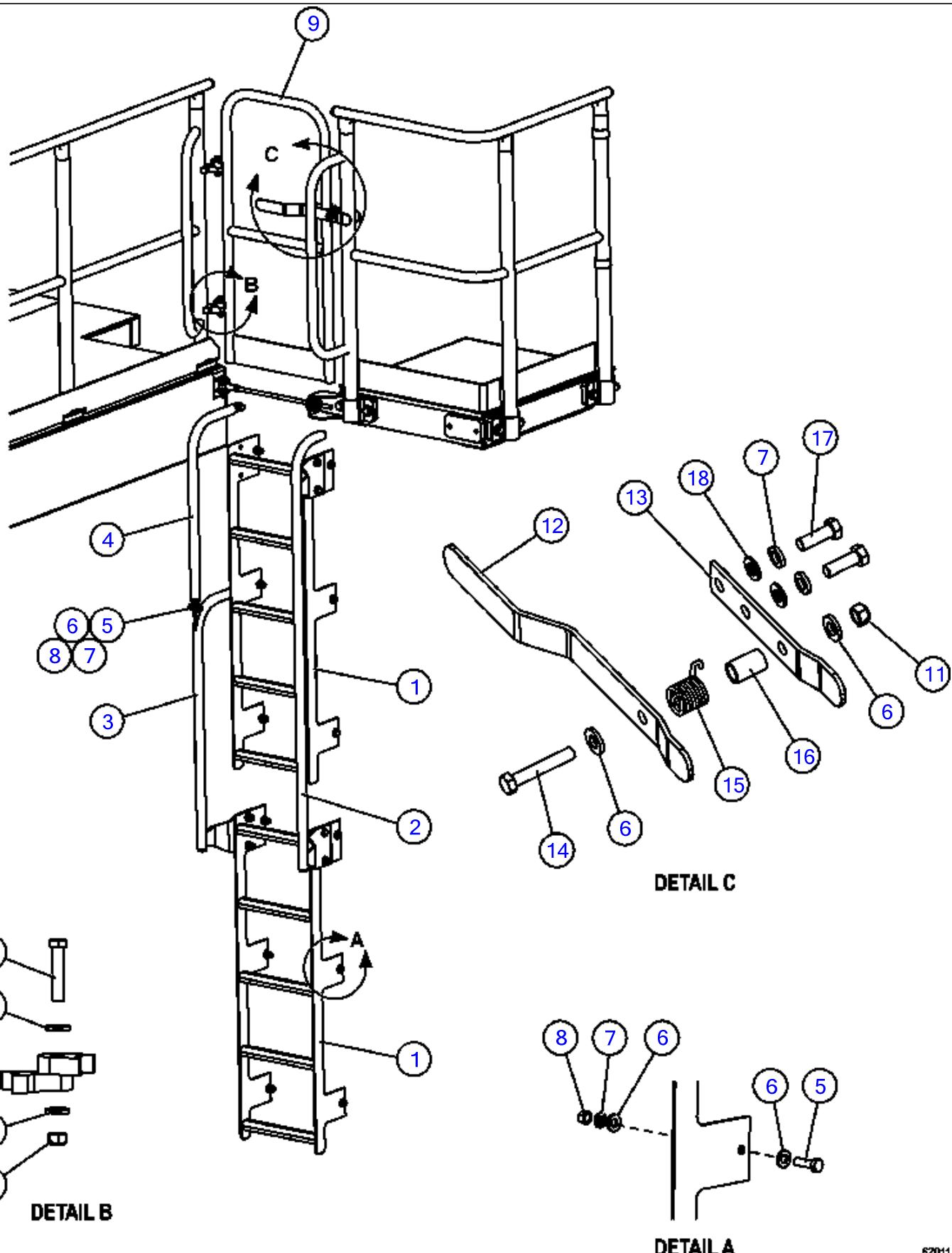
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 A31597 ANTAMINA**  
**LH GATE & LADDER**

Item	Part No	Description	Qty
1	XB2935	STEP, GRILLE	2
2	XB2826	HANDRAIL	1
3	XB2845	HANDRAIL	1
4	EM1406	HANDRAIL	1
5	MM0620	CAPSCREW - M12 X 1.75 X 40	21
6	MM0714	FLAT WASHER - M12 (HARDENED)	48
7	MM0472	LOCKWASHER - M12	23
8	MM0179	NUT - M12 X 1.75	21
9	EM3823	GATE	1
10	MM0623	CAPSCREW - M12 X 1.75 X 60	2
11	MM0694	LOCKNUT - M12 X 1.75	2
12	EM0558	PLATE, BENT	1
13	EM0561	PLATE, BENT	2
14	MM0624	CAPSCREW - M12 X 1.75 X 70	1
15	PC2322	SPRING, LH	1
16	EL3986	SPACER	1
17	MM0619	CAPSCREW - M12 X 1.75 X 35	2
18	MM0462	FLAT WASHER - M12	2

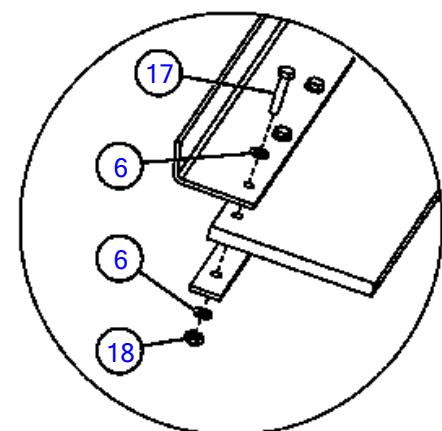
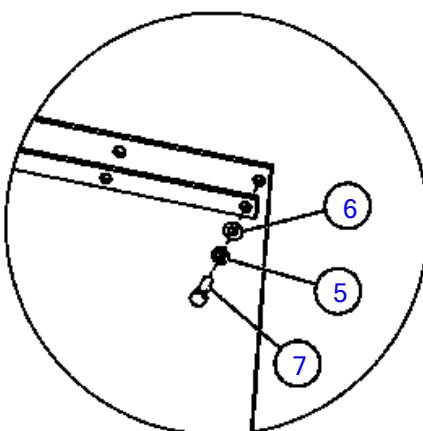
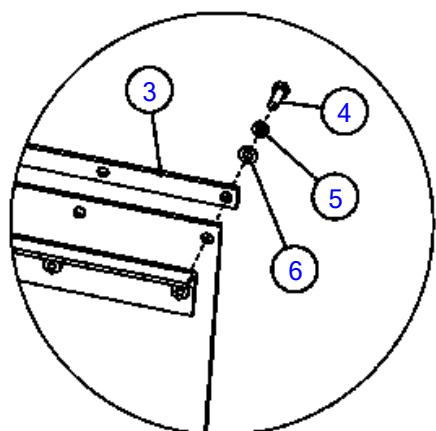
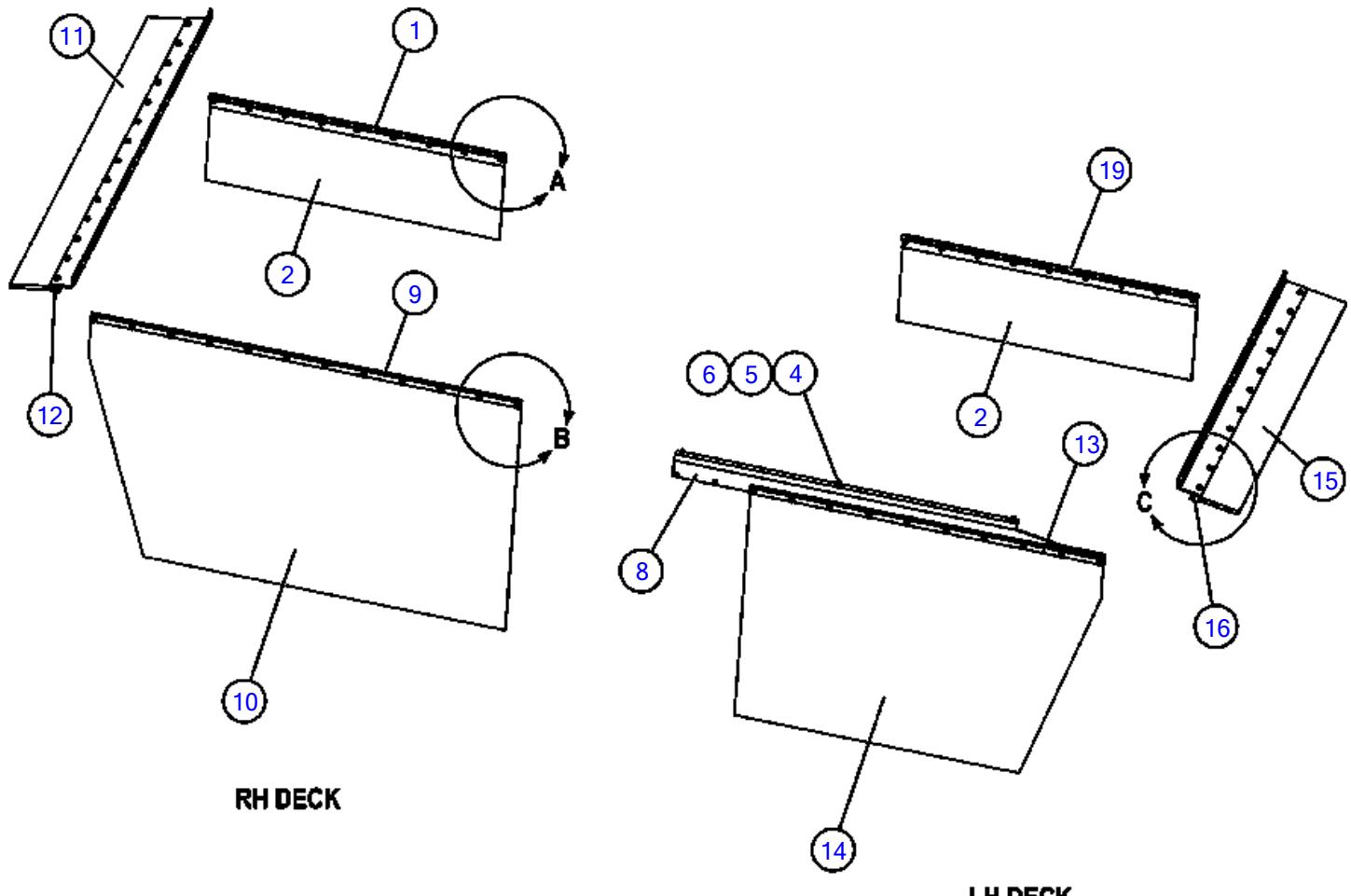
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**A31597 ANTAMINA**



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 A31597 ANTAMINA**  
**RH GATE & LADDER**

Item	Part No	Description	Qty
1	XB2935	STEP, GRILLE	2
2	XB2971	HANDRAIL	1
3	XB3005	HANDRAIL	1
4	EM1406	HANDRAIL	1
5	MM0620	CAPSCREW - M12 X 1.75 X 40	21
6	MM0714	FLAT WASHER - M12 (HARDENED)	48
7	MM0472	LOCKWASHER - M12	23
8	MM0179	NUT - M12 X 1.75	21
9	EM3823	GATE	1
10	MM0623	CAPSCREW - M12 X 1.75 X 60	2
11	MM0694	LOCKNUT - M12 X 1.75	2
12	EM0558	PLATE, BENT	1
13	EM0561	PLATE, BENT	2
14	MM0624	CAPSCREW - M12 X 1.75 X 70	1
15	PC2325	SPRING, RH	1
16	EL3986	SPACER	1
17	MM0619	CAPSCREW - M12 X 1.75 X 35	2
18	MM0462	FLAT WASHER - M12	2

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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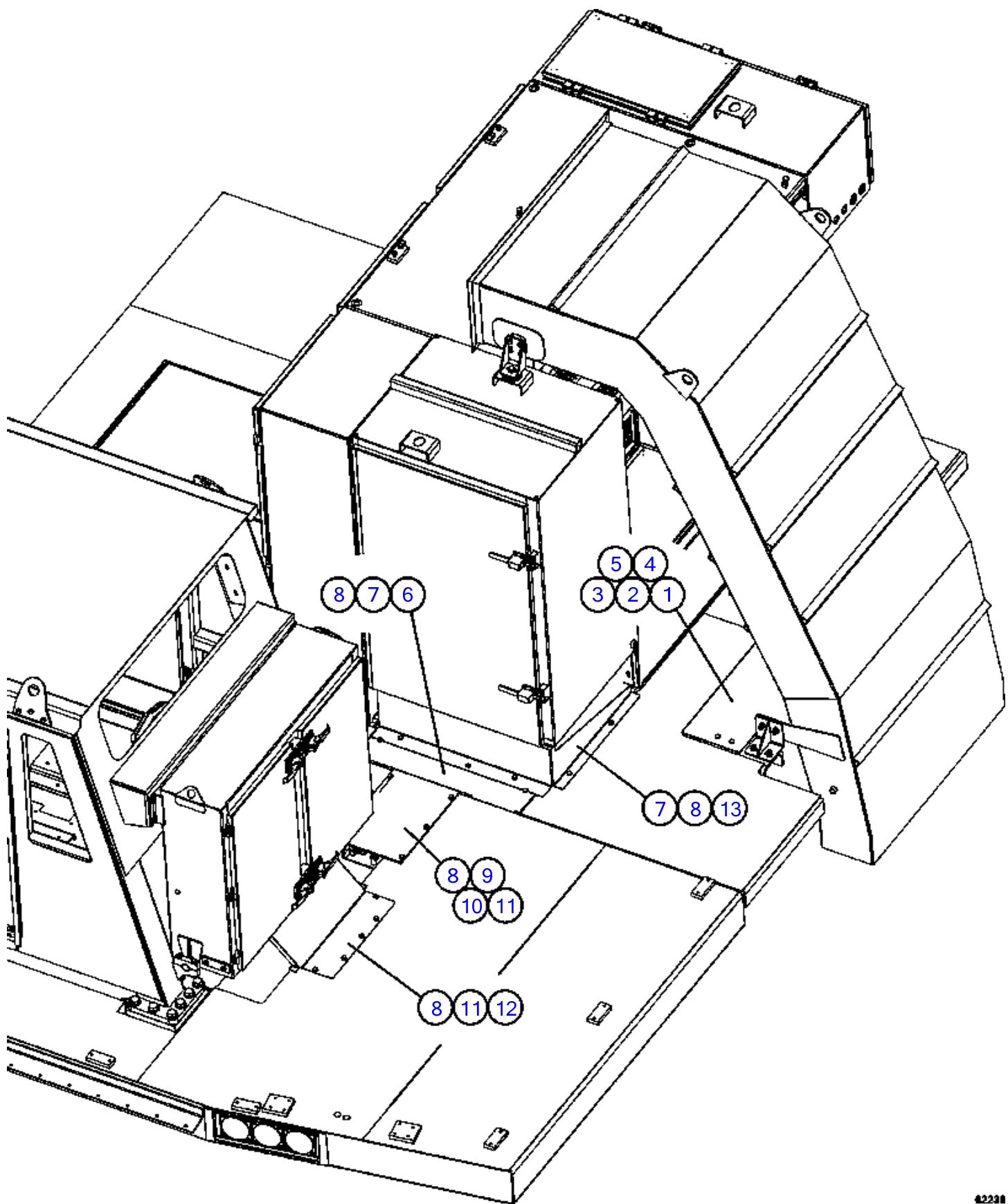


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### DECK MUD FLAPS INSTALLATION

Item	Part No	Description	Qty
1	XC1607	BRACKET, MUD FLAP	1
2	XB5489	MUD FLAP	2
3	EF6613	BAR, FLAT	2
4	MM0606	CAPSCREW - M10 X 1.50 X 30	21
5	MM0471	LOCKWASHER - M10	43
6	MM0461	FLAT WASHER - M10	93
7	MM0607	CAPSCREW - M10 X 1.50 X 35	22
8	EF4813	BRACKET	1
9	EF6605	BAR, FLAT	1
10	XB5484	MUD FLAP	1
11	EJ5709	MUD FLAP	1
12	EJ5710	RETAINER	1
13	EK2602	BAR, FLAT	1
14	XB5487	MUD FLAP	1
15	XB5551	MUD FLAP	1
16	XB5552	RETAINER	1
17	MM0067	CAPSCREW - M10 X 1.50 X 50	25
18	MM0693	LOCKNUT - M10 X 1.50	25
19	XC1606	BRACKET, MUD FLAP	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

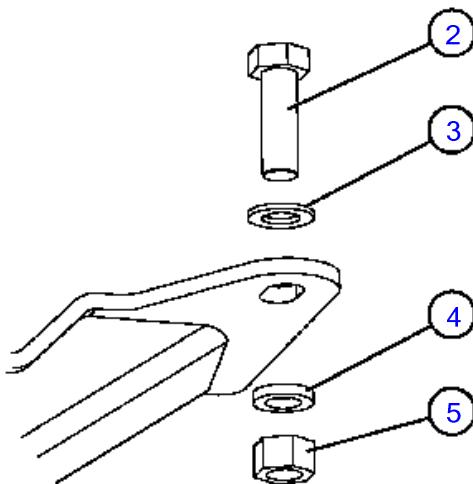
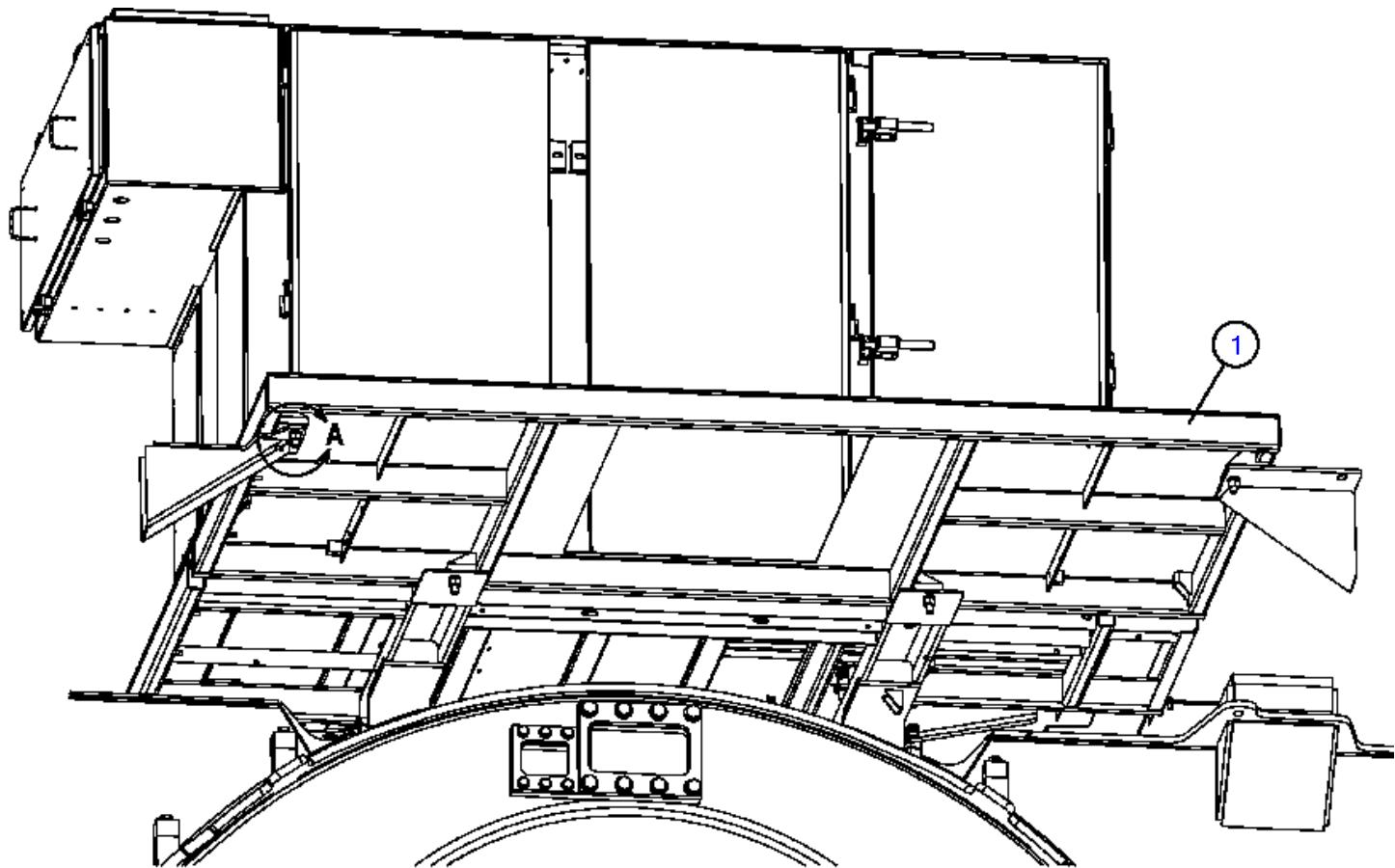


42238

**AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA  
**DECK COVERS****

Item	Part No	Description	Qty
1	EM1809	PLATE	1
2	MM0622	CAPSCREW - M12 X 1.75 X 50	4
3	MM0472	LOCKWASHER - M12	4
4	MM0714	FLAT WASHER - M12 (HARDENED)	4
5	MM0179	NUT - M12 X 1.75	4
6	XB5036	PLATE	1
7	MM0042	CAPSCREW - M10 X 1.50 X 25	7
8	MM0461	FLAT WASHER - M10	18
9	EL3774	COVER	1
10	EL3776	GASKET	1
11	MM0605	CAPSCREW - M10 X 1.50 X 25	11
12	XC2964	COVER	1
13	XB5031	COVER	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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DETAIL A

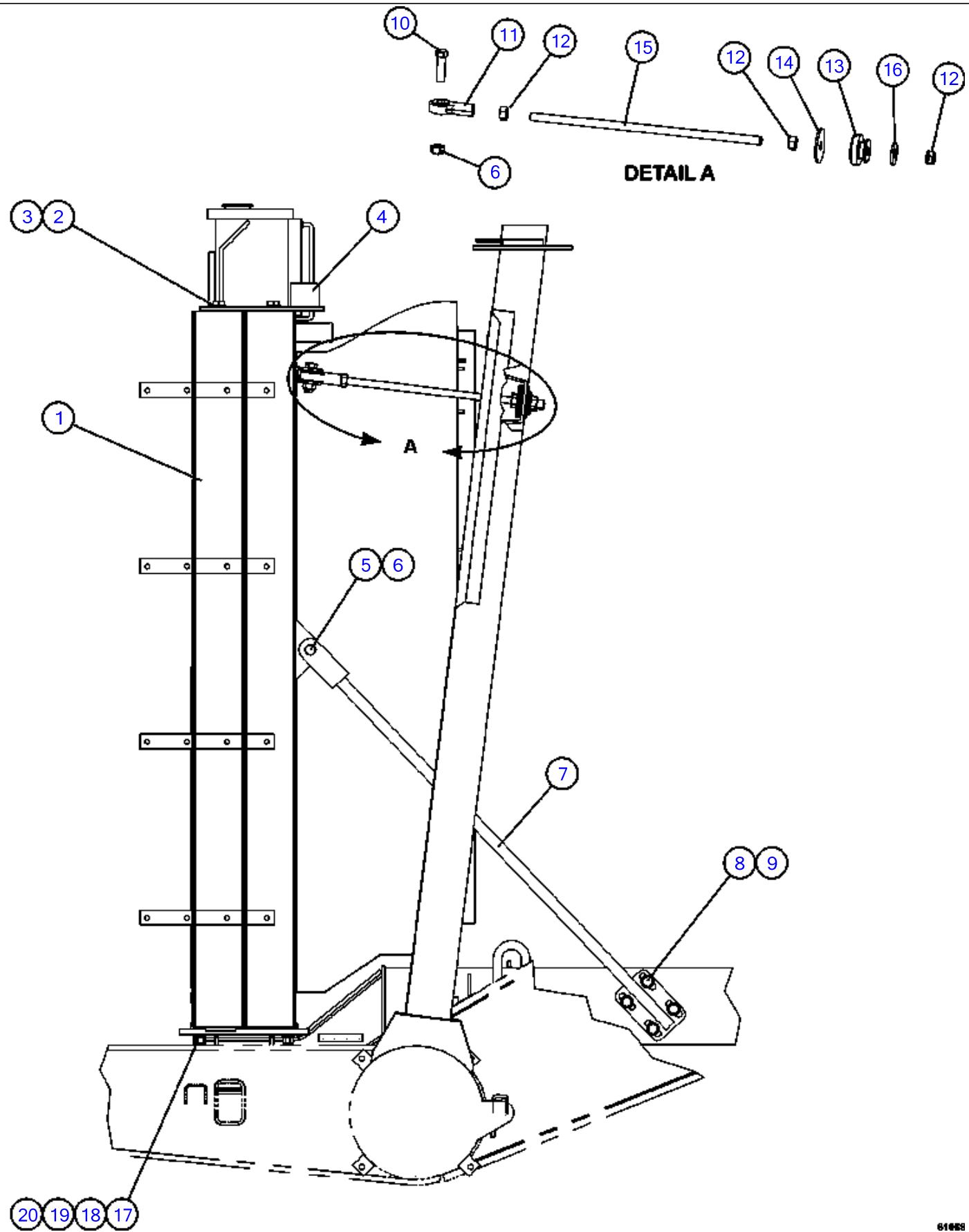
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 A31597 ANTAMINA

### CENTER DECK INSTALLATION

Item	Part No	Description	Qty
1	XB4572	DECK, CENTER	1
2	MM0075	CAPSCREW - M20 X 2.50 X 60	4
3	MM0465	FLAT WASHER - M20	4
4	MM0475	LOCKWASHER - M20	4
5	MM0182	NUT - M20 X 2.50	4
NS		NOTE: NS = NOT SHOWN	
NS	EM9049	SHIM	16

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

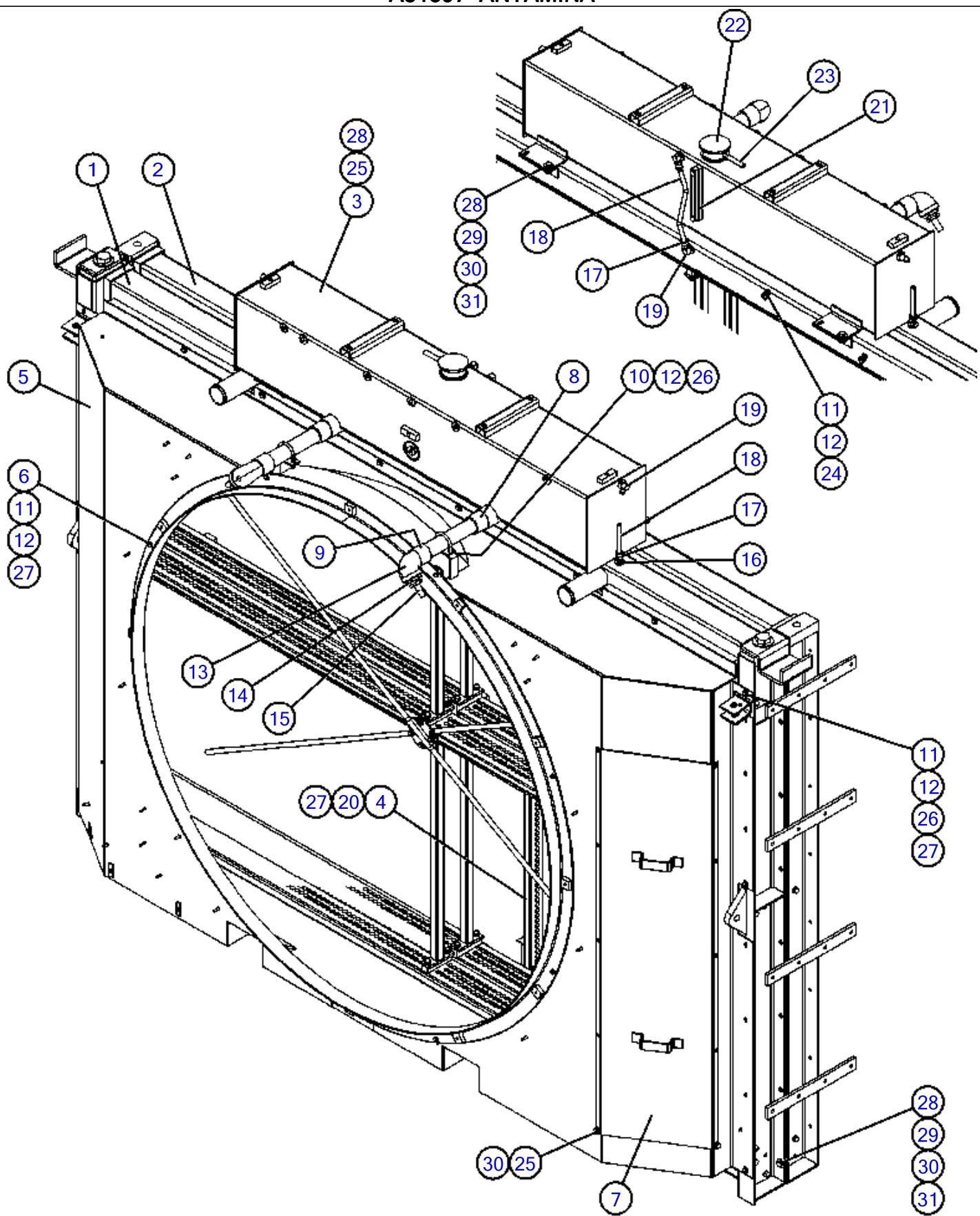


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 A31597 ANTAMINA

## RADIATOR SUPPORT & MOUNTING

Item	Part No	Description	Qty	Page
1	PC2866	RADIATOR & SHROUD ASSEMBLY (SEE INDEX)	1	048
2	VN9107	CAPSCREW - 1 1/2" - 6NC X 3"	4	
3	WA0368	FLAT WASHER - 1 1/2" (HARDENED)	4	
4	58B-03-11200	BRACKET - R.H.	1	
	58B-03-11100	BRACKET - L.H.	1	
5	C1667	CAPSCREW - 1" - 8NC X 2 1/2"	2	
6	VH8186	LOCKNUT - 1" - 8NC	4	
7	XB4715	BAR, STABILIZER	2	
8	MM0029	CAPSCREW - M16 X 2.00 X 30	8	
9	MM0706	FLAT WASHER - M16 (HARDENED)	8	
10	E3909	CAPSCREW - 1" - 8NC X 3 1/4"	2	
11	PB6831	ROD END	2	
12	C1532	NUT (SPECIAL)	6	
13	TG6760	MOUNT, RUBBER	2	
14	TK6567	FLAT WASHER (SPECIAL)	2	
15	EF3378	ROD, THREADED	2	
16	TK6566	FLAT WASHER (SPECIAL)	2	
17	MM0475	LOCKWASHER - M20	8	
18	MM0091	CAPSCREW - M20 X 2.50 X 80	8	
19	01643-32060	FLAT WASHER - M20 (HARDENED)	16	
20	MM0182	NUT - M20 X 2.50	8	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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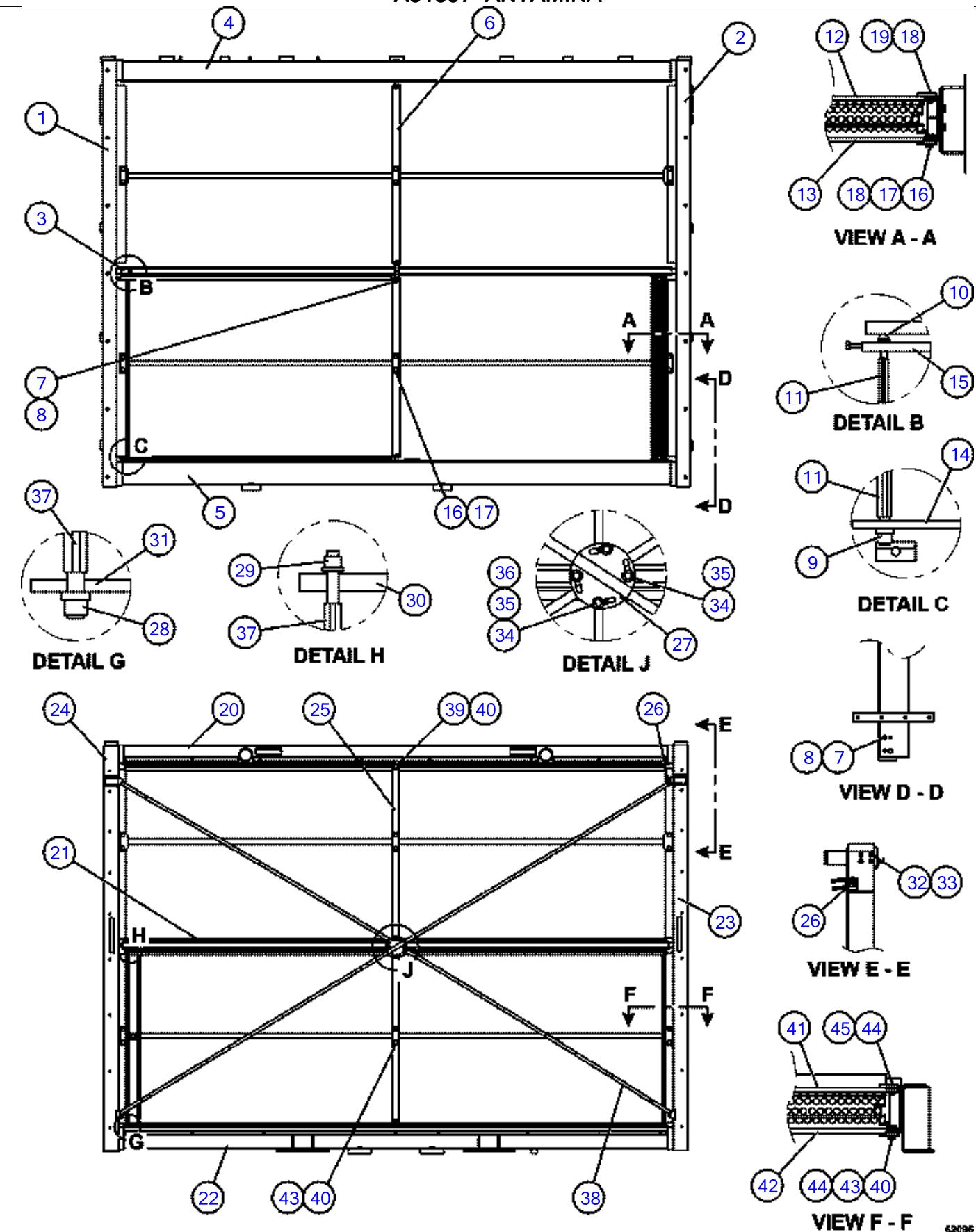


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 A31597 ANTAMINA

RADIATOR & SHROUD ASSEMBLY PC2866

Item	Part No	Description	Qty	Page
1	58B-03-00100	RADIATOR, JACKET WATER (SEE FIG 62096)	1	050
2	58B-03-00110	RADIATOR, AFTERCOOLER (SEE FIG 62096)	1	050
3	58B-03-00140	TANK, SURGE	1	
4	58B-03-00120	FUEL COOLER ASSEMBLY (SEE INDEX)	1	300
5	58B-03-00130	SHROUD, FAN	1	
6	XA2710	FAN RING	1	
7	XA2711	DOOR, ACCESS	1	
8	58B-03-00150	NIPPLE	2	
9	BF4949	COUPLING, PIPE	2	
10	BF4201	U-BOLT ASSEMBLY	2	
11	VE8559	LOCKWASHER - 3/8"	26	
12	C1521	NUT - 3/8" - 16NC	30	
13	VE4441	ELBOW	2	
14	VE8326	BUSHING, REDUCER	2	
15	BF4464	FITTING, NIPPLE	2	
16	BF4463	ADAPTER	2	
17	BF4462	SWIVEL	6	
18	BF5073	HOSE	3	
19	BF4461	ELBOW	4	
20	58B-03-00190	WASHER - 3/8"	5	
21	58B-03-00160	SIGHT GAUGE ASSEMBLY	1	
22	VE1474	CAP - 14 PSI	1	
23	XA4164	HOSE, OVERFLOW	1	
24	VE1223	CLIP	7	
25	VE3460	CAPSCREW - 1/2" - 13NC X 1"	14	
26	C1547	FLAT WASHER - 3/8"	48	
27	C1602	CAPSCREW - 3/8" - 16NC X 1"	49	
28	VE4440	WASHER	24	
29	C1613	CAPSCREW - 1/2" - 13NC X 1 1/4"	20	
30	C1540	LOCKWASHER - 1/2"	30	
31	VE3461	NUT - 1/2" - 13NC	21	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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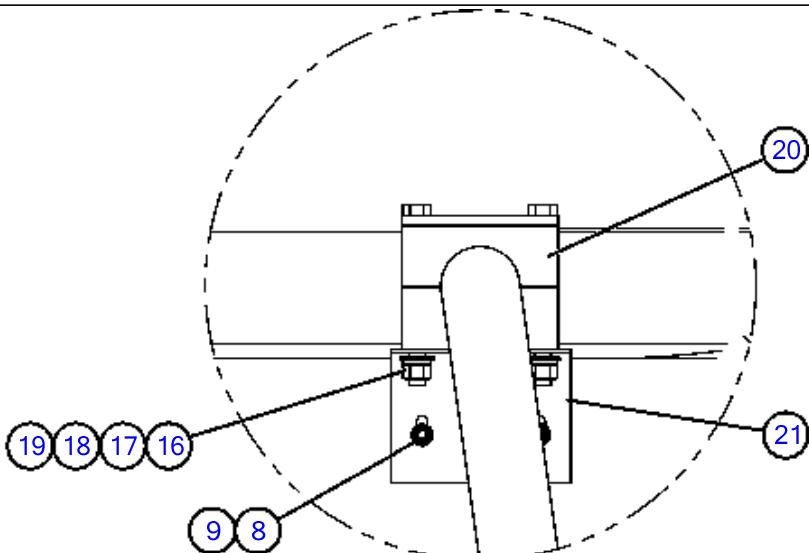


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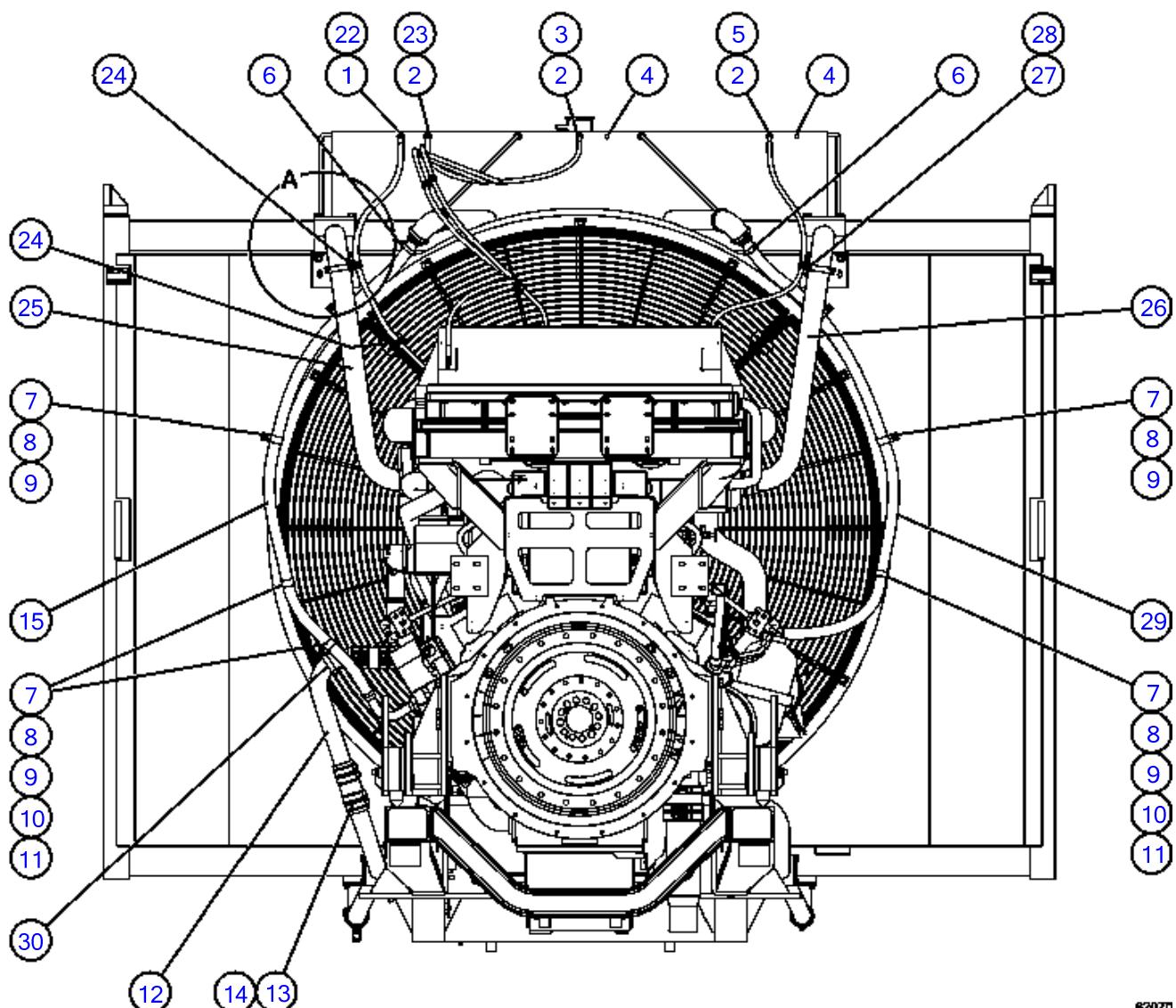
**LOW & HIGH TEMPERATURE CORES**

Item	Part No	Description	Qty
0	58B-03-00110	RADIATOR, AFTERCOOLER (LTC)	1
1	58B-03-00380	• MEMBER, SIDE	1
2	58B-03-00390	• MEMBER, SIDE	1
3	58B-03-00360	• TANK, CENTER	1
4	58B-03-00370	• TANK, TOP	1
5	58B-03-00350	• TANK, BOTTOM	1
6	58B-03-00400	• TIE, TENSION	2
7	C1540	• LOCKWASHER - 1/2"	28
8	VE3460	• CAPSCREW - 1/2" - 13NC X 1"	28
9	XA2721	• SEAL, RUBBER (LOCKING)	836
10	XA2720	• SEAL, RUBBER	836
11	58B-03-00310	• TUBES	836
12	58B-03-00270	• BAR, SUPPORT	2
13	58B-03-00260	• BAR, SUPPORT	2
14	58B-03-00300	• AIR BAFFLE, BOTTOM	4
15	58B-03-00290	• AIR BAFFLE, TOP	4
16	C1602	• CAPSCREW - 3/8" - 16NC X 1"	16
17	58B-03-00320	• FLAT WASHER - 3/8"	16
18	58B-03-00330	• LOCKNUT - 3/8" - 16NC	16
19	58B-03-00340	• SCREW - 3/8" - 16NC X 1"	8
20	58B-03-00100	RADIATOR, JACKET WATER (HTC)	1
21	58B-03-00220	• TANK, TOP	1
22	58B-03-00210	• TANK, CENTER	1
23	58B-03-00200	• TANK, BOTTOM	1
24	58B-03-00230	• MEMBER, SIDE	1
25	58B-03-00240	• MEMBER, SIDE	1
26	58B-03-00250	• TIE, TENSION	2
27	C1528	• NUT - 3/4" - 16NF	12
28	VE1285	• BRACKET, X-BRACE	2
29	XA2721	• SEAL, RUBBER (LOCKING)	840
30	XA2720	• SEAL, RUBBER	840
31	58B-03-00290	• AIR BAFFLE, TOP	4
32	58B-03-00300	• AIR BAFFLE, BOTTOM	4
33	C1540	• LOCKWASHER - 1/2"	20
34	VE3460	• CAPSCREW - 1/2" - 13NC X 1"	20
35	XA2806	• FLAT WASHER - 5/16"	6
36	C5747	• CAPSCREW - 5/16" - 18NC X 3/4"	4
37	VE6312	• NUT - 5/16" - 18NC	2
38	58B-03-00310	• TUBES	840
39	58B-03-00280	• ROD, X-BRACE	2
40	VE8559	• LOCKWASHER - 3/8"	8
41	C1602	• CAPSCREW - 3/8" - 16NC X 1"	24
42	58B-03-00270	• BAR, SUPPORT	2
43	58B-03-00260	• BAR, SUPPORT	2
44	58B-03-00320	• FLAT WASHER - 3/8"	16
45	58B-03-00330	• LOCKNUT - 3/8" - 16NC	16
	58B-03-00340	• SCREW - 3/8" - 16NC X 1"	8

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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**A31597 ANTAMINA**



## DETAIL A

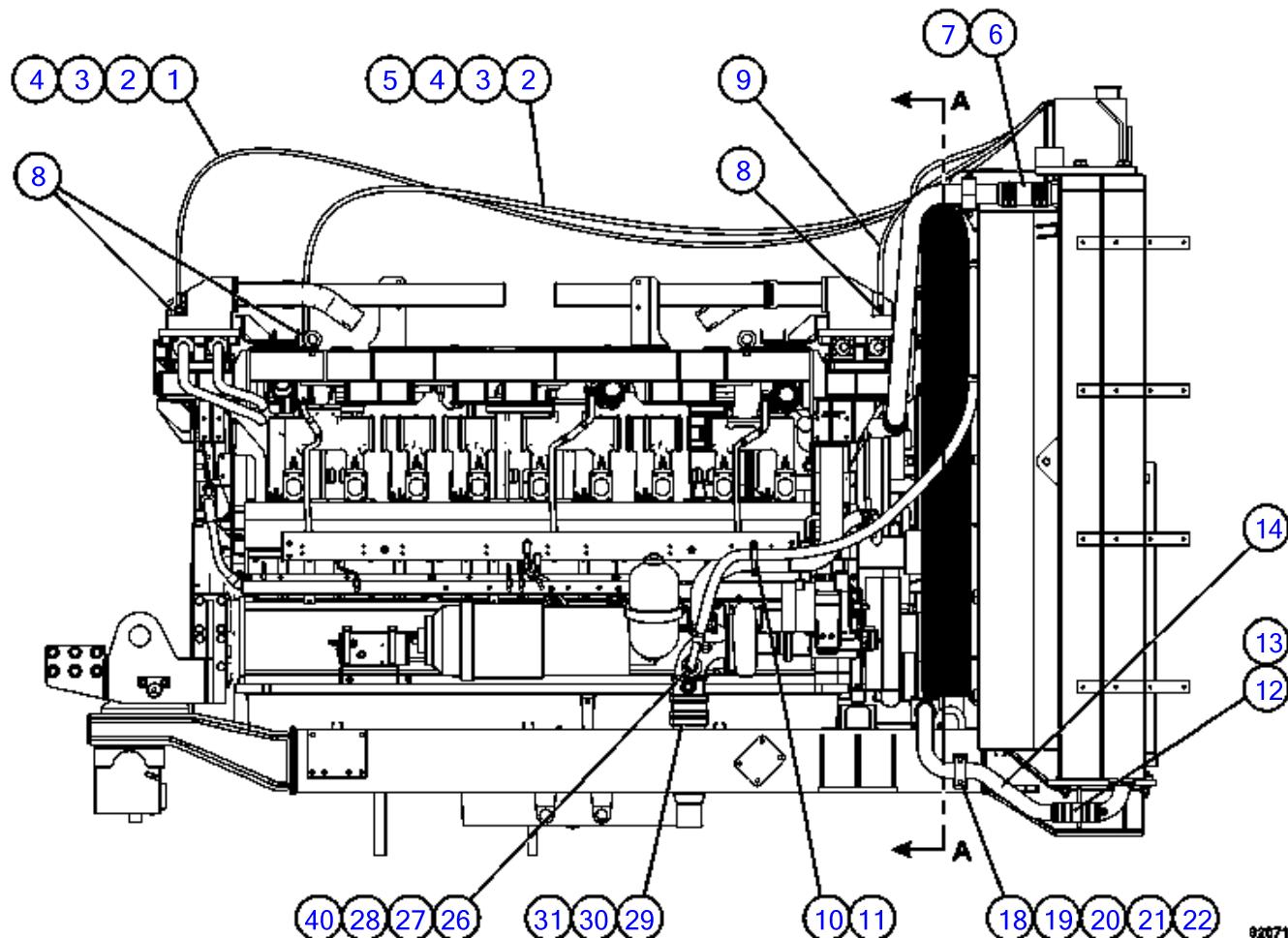
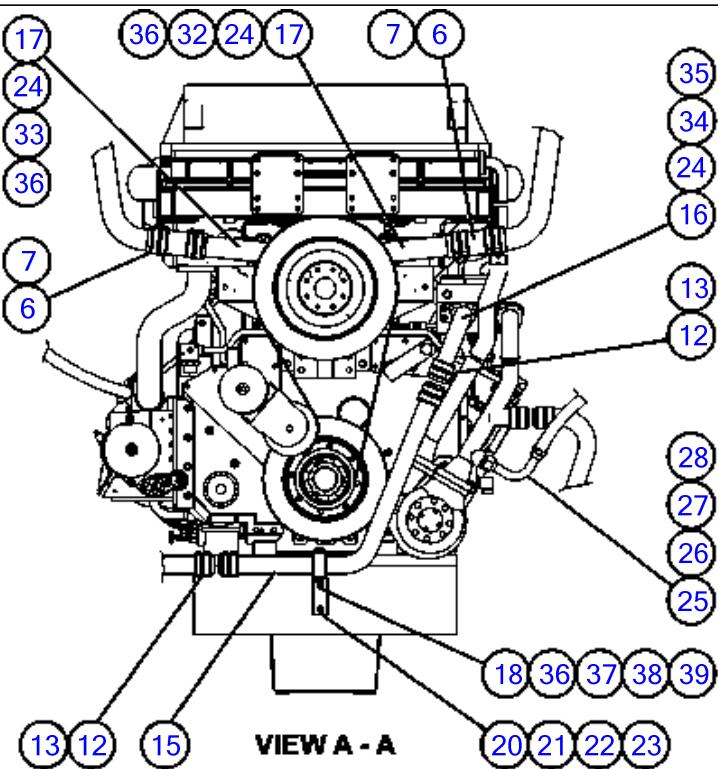


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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA**

**RADIATOR PIPING 1/3**

Item	Part No	Description	Qty
1	TD9743	FITTING, ADAPTER	1
2	WA3038	FITTING, ADAPTER	3
3	HA8276	HOSE	1
4	C5770	PLUG, PIPE - 3/8"	2
5	HA7598	HOSE	1
6	CD9707	CLAMP, WORM DRIVE	2
7	WB3094	CLAMP, CUSHIONED - 1 3/4"	6
8	MM0461	FLAT WASHER - M10	12
9	MM0178	NUT - M10 X 1.50	6
10	MM0042	CAPSCREW - M10 X 1.50 X 25	2
11	VY8331	CLAMP, VINYL - 1/4" I.D.	2
12	EJ5611	TUBE	1
13	EG6269	HOSE, COOLANT	2
14	WB1088	CLAMP, T-BOLT	8
15	TM2966	HOSE	1
16	C1525	NUT - 5/8" - 11NC	4
17	SF4076	CAPSCREW - 5/8" - 11NC X 6 1/2"	4
18	SD1979	FLAT WASHER - 5/8"	4
19	C1541	LOCKWASHER - 5/8"	4
20	WA5686	CLAMP, HEAVY DUTY	2
21	EH9858	BRACKET	2
22	HA8277	HOSE	1
23	HA8275	HOSE	1
24	WB1303	CLAMP, CUSHIONED - 3/4"	4
25	XB7954	TUBE	1
26	XB7955	TUBE	1
27	WB1300	CLAMP, CUSHIONED - 5/8"	1
28	WA2237	CLAMP	2
29	XB9060	HOSE	1
30	KC1255	CLAMP	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

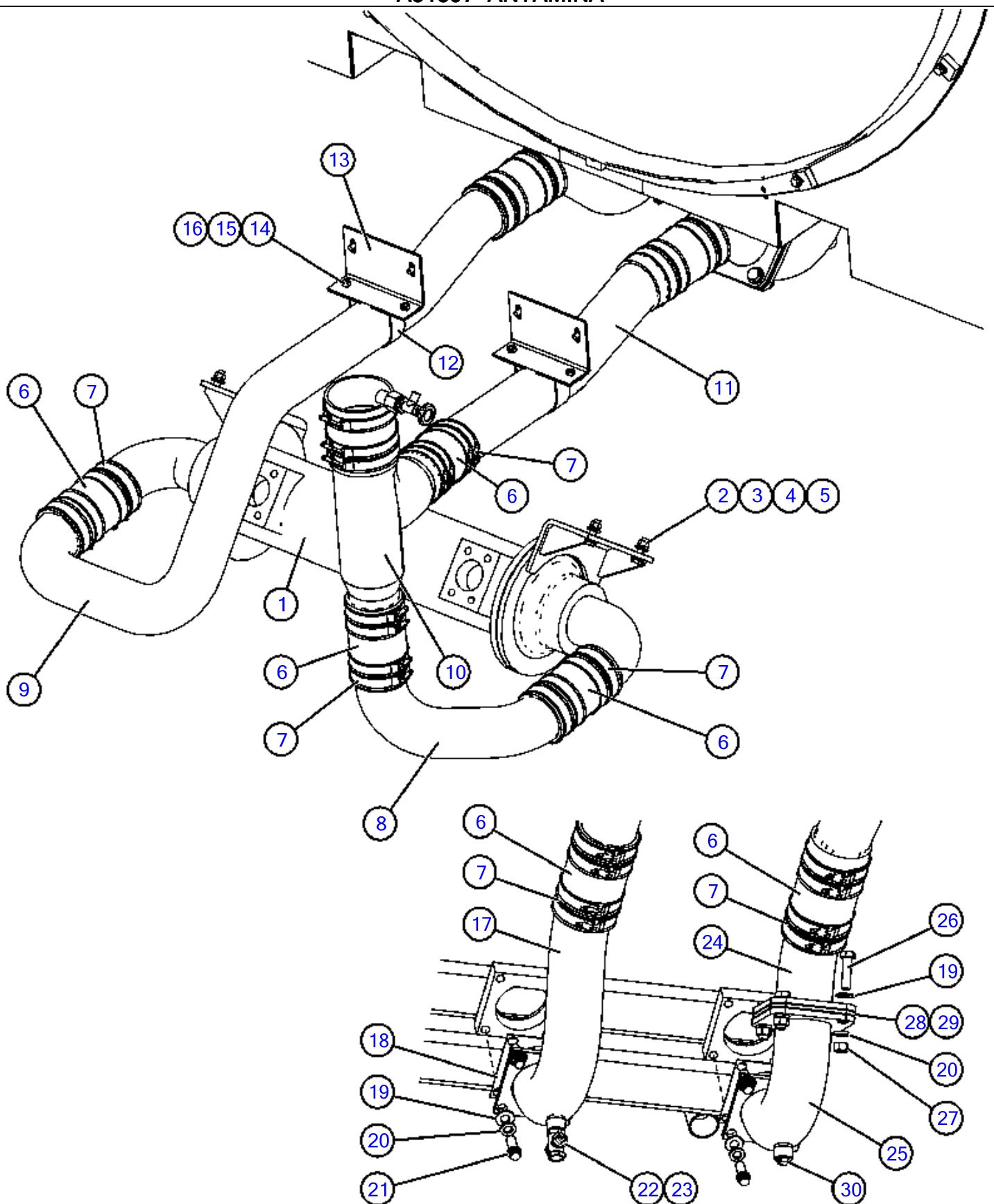


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A31597 ANTAMINA**

**RADIATOR PIPING 2/3**

Item	Part No	Description	Qty
1	HA8276	HOSE	1
2	WB1300	CLAMP, CUSHIONED - 5/8"	15
3	MM0461	FLAT WASHER - M10	8
4	MM0178	NUT - M10 X 1.50	8
5	HA8275	HOSE	1
6	EH7753	HOSE	4
7	WB1047	CLAMP, T-BOLT	16
8	WB1142	ADAPTER, METRIC TO JIC	3
9	HA7598	HOSE	1
10	WB3094	CLAMP, CUSHIONED - 1 3/4"	1
11	426-06-11570	BRACKET, CLAMP	1
12	EG6269	HOSE, COOLANT	6
13	WB1088	CLAMP, T-BOLT	16
14	EK2573	TUBE - R.H. SIDE	1
	EJ5612	TUBE - L.H. SIDE	1
15	EH7791	TUBE	1
16	EH2022	GASKET	1
17	EH7754	GASKET	2
18	WA5460	CLAMP, HEAVY DUTY	3
19	EJ5609	BRACKET	2
20	TC1234	CAPSCREW - 3/8" - 16NC X 3/4"	6
21	TC1231	LOCKWASHER - 3/8"	6
22	TR4436	FLAT WASHER - 3/8"	6
23	EH7794	BRACKET, MOUNTING	1
24	MM0471	LOCKWASHER - M10	9
25	TM2966	HOSE	1
26	CD9707	CLAMP, WORM DRIVE	2
27	PC0818	ADAPTER, METRIC TO JIC	2
28	ED8256	TUBE	2
29	EH3376	TUBE	1
30	ED0020	HOSE, COOLANT	1
31	WB1051	CLAMP, T-BOLT	3
32	EH7766	TUBE	1
33	EH7764	TUBE	1
34	EH7768	TUBE	1
35	MM0607	CAPSCREW - M10 X 1.50 X 35	9
36	C5759	CAPSCREW - 1/2" - 13NC X 5"	2
37	TR5445	LOCKWASHER - 1/2"	2
38	TR6008	FLAT WASHER - 1/2"	2
39	C1523	NUT - 1/2" - 13NC	2
40	XB9060	HOSE	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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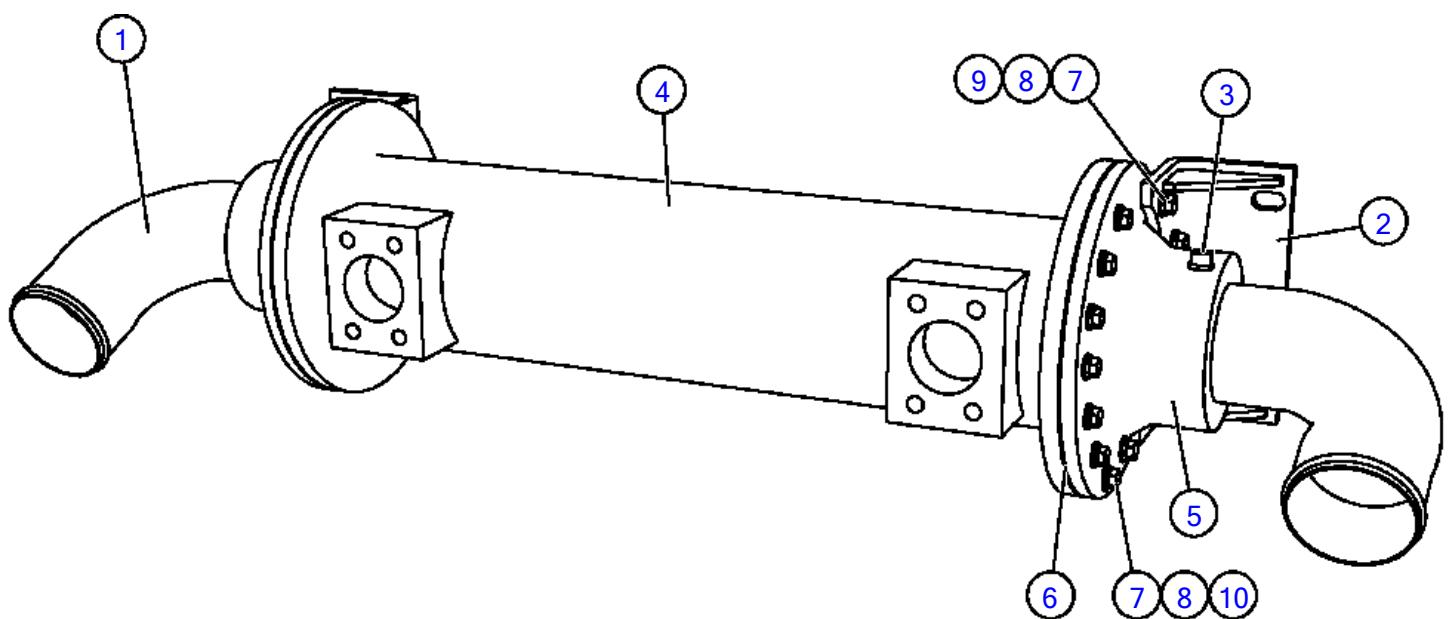
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## RADIATOR PIPING 3/3

Item	Part No	Description	Qty	Page
1	PB9796	HEAT EXCHANGER (SEE INDEX)	1	058
2	MM0621	CAPSCREW - M12 X 1.75 X 45	4	
3	MM0714	FLAT WASHER - M12 (HARDENED)	4	
4	MM0179	NUT - M12 X 1.75	4	
5	MM0472	LOCKWASHER - M12	4	
6	EH0431	HOSE, COOLANT	6	
7	WB1049	CLAMP, T-BOLT	24	
8	EK2570	TUBE	1	
9	EK2571	TUBE	1	
10	EH3376	TUBE	1	
11	XB7235	TUBE	1	
	C5772	PLUG, PIPE - 1"	2	
12	EH3380	BRACKET	2	
13	EF6665	PLATE, BENT	2	
14	TC1234	CAPSCREW - 3/8" - 16NC X 3/4"	8	
15	TC1231	LOCKWASHER - 3/8"	8	
16	TR4436	FLAT WASHER - 3/8"	8	
17	EK2568	TUBE	1	
18	EF2781	GASKET	2	
19	C1550	FLAT WASHER - 5/8"	12	
20	C1541	LOCKWASHER - 5/8"	12	
21	WA0839	CAPSCREW - 5/8" - 11NC X 1 1/2" (12 PT)	8	
22	TF6957	DRAIN COCK	2	
23	E2579	NIPPLE, CLOSE	2	
24	EH9852	TUBE	1	
25	EK2567	TUBE	1	
26	C1631	CAPSCREW - 5/8" - 11NC X 2 1/4"	4	
27	C1525	NUT - 5/8" - 11NC	4	
28	EF3305	GASKET	2	
29	EH6686	PLATE, ORIFICE	1	
30	C5771	PLUG, PIPE - 1/2"	2	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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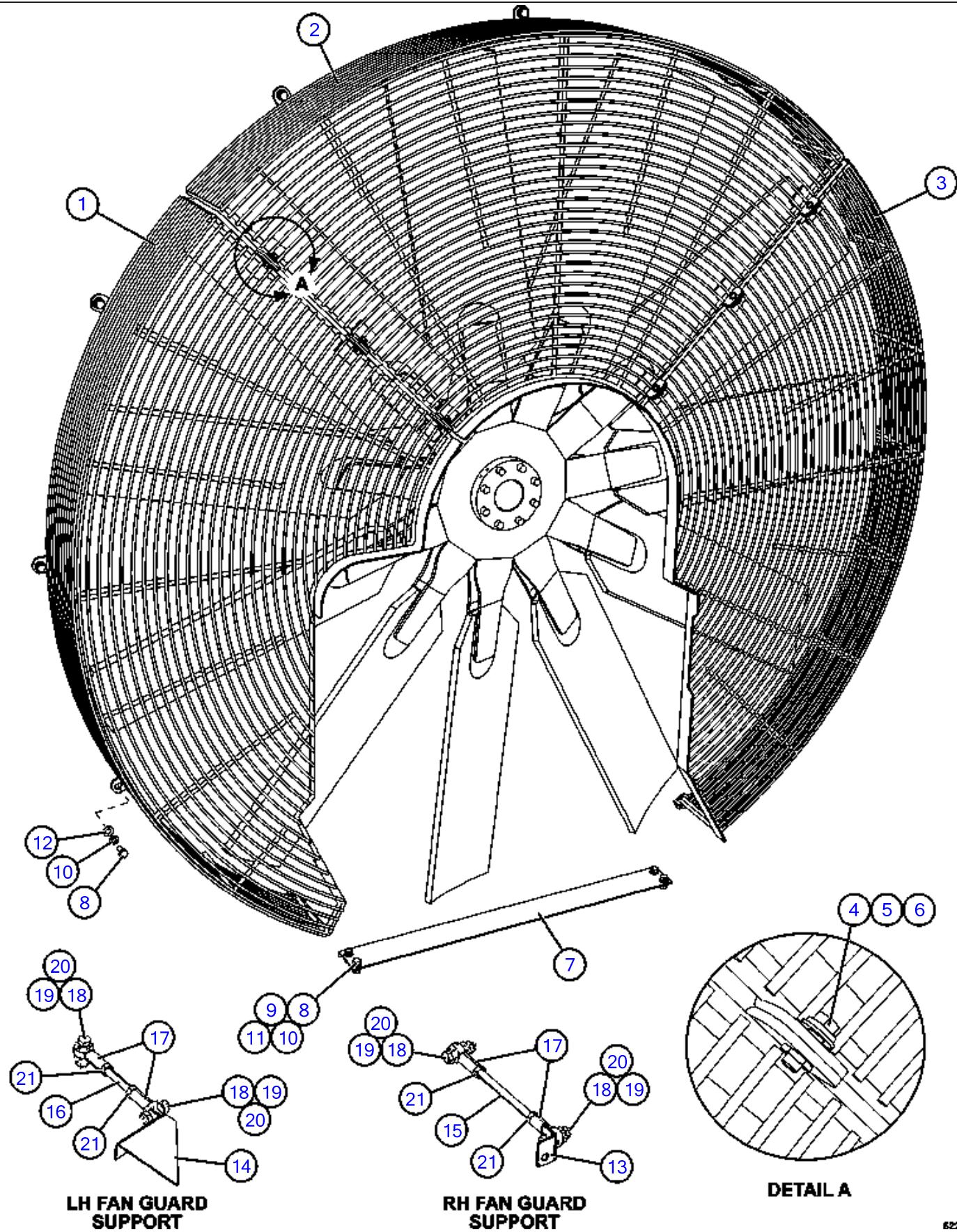
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**HEAT EXCHANGER** **PB9796**

Item	Part No	Description	Qty
1	BF2668	TUBE, CONNECTION	2
2	BF2670	BRACKET, MOUNTING	2
3	BF2665	PLUG	4
4	BF2662	TUBE, COPPER	1
5	BF2663	BONNET	2
6	BF2664	GASKET	2
7	VE7367	NUT - 1/2" - 13NC	32
8	VE7366	LOCKWASHER - 1/2"	32
9	BF2671	CAPSCREW - 1/2" - 13NC X 2 1/2"	12
10	BF2666	CAPSCREW - 1/2" - 13NC X 2 1/4"	20

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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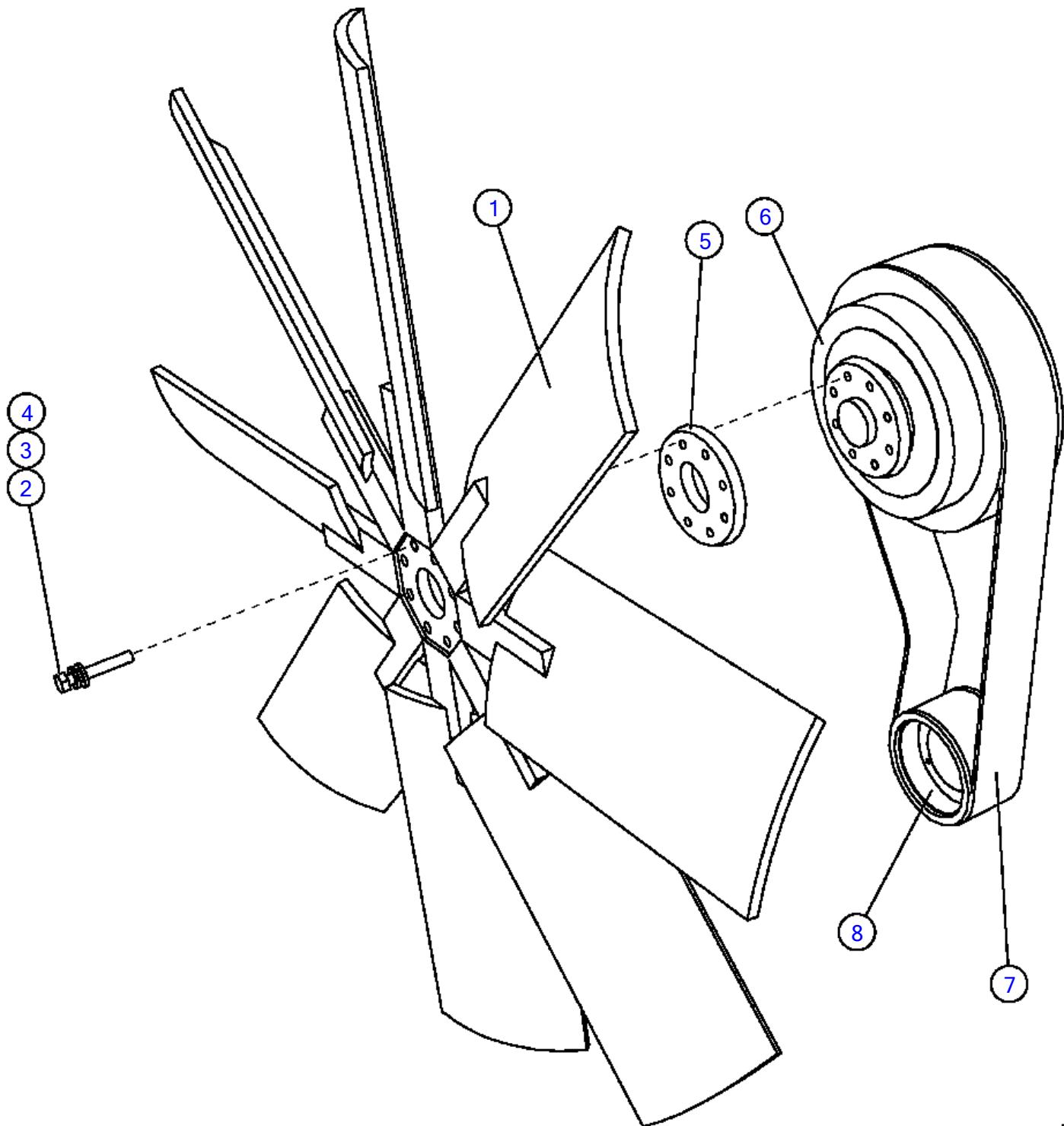


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### FAN GUARD INSTALLATION

Item	Part No	Description	Qty
1	58B-03-00610	GUARD, FAN - LH	1
2	EL1527	GUARD, FAN - CENTER	1
3	58B-03-00620	GUARD, FAN - RH	1
4	C1602	CAPSCREW - 3/8" - 16NC X 1"	6
5	C0312	LOCKWASHER - 3/8"	6
6	TR4436	FLAT WASHER - 3/8"	6
7	EL1529	PLATE, GUARD	1
8	MM0042	CAPSCREW - M10 X 1.50 X 25	15
9	MM0461	FLAT WASHER - M10	8
10	MM0471	LOCKWASHER - M10	15
11	MM0178	NUT - M10 X 1.50	4
12	MM0704	FLAT WASHER - M10	11
13	58B-03-00450	PLATE, BENT	1
14	58B-03-00421	BRACKET	1
15	EK2341	ROD, THREADED	1
16	EJ9910	ROD, THREADED	1
17	PC1247	ROD END, FEMALE	1
18	C1616	CAPSCREW - 1/2" - 13NC X 2"	4
19	WA4728	FLAT WASHER - 1/2" (HARDENED)	4
20	DF3500	LOCKNUT - 1/2" - 13NC	8
21	TL8151	JAM NUT - 1/2" - 20NF	4

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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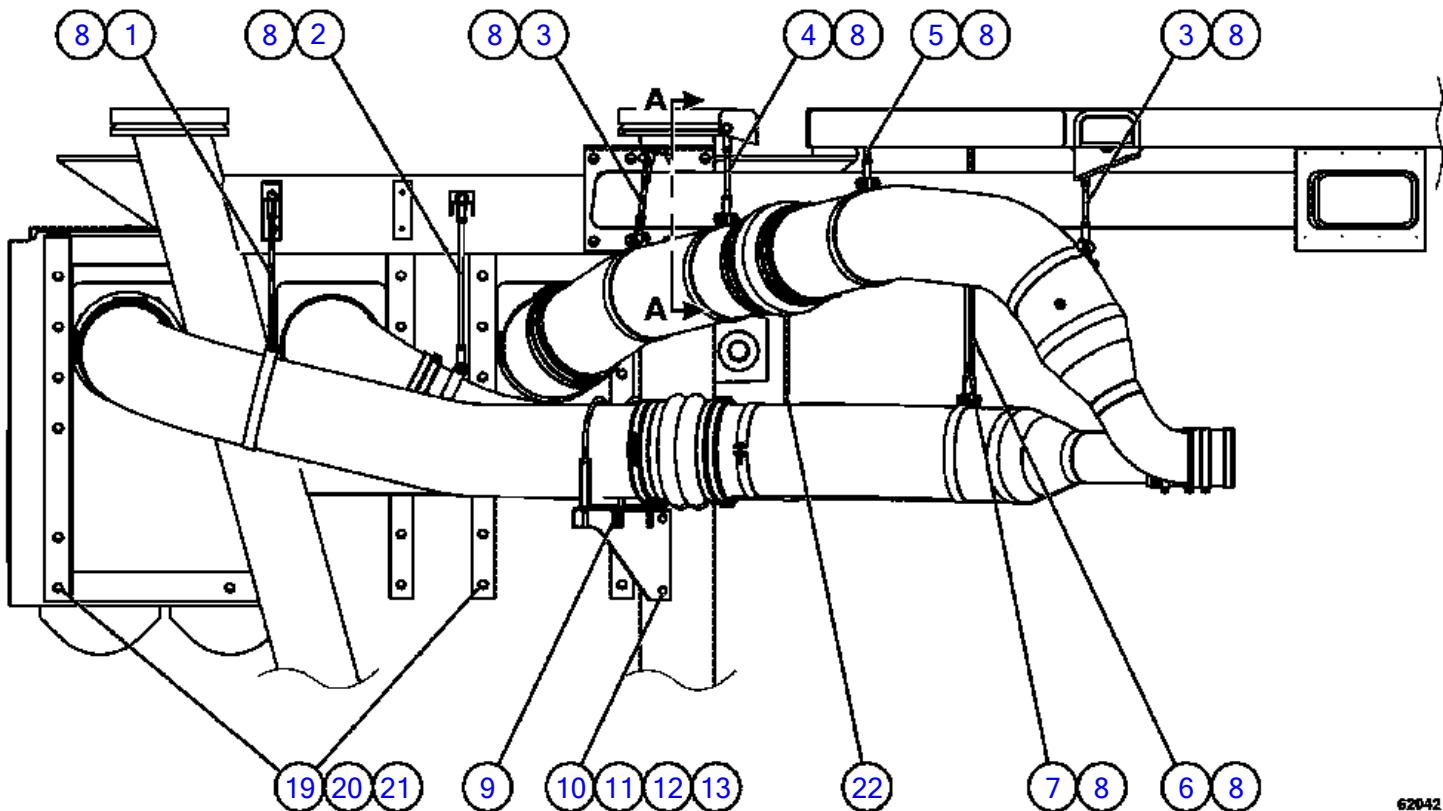
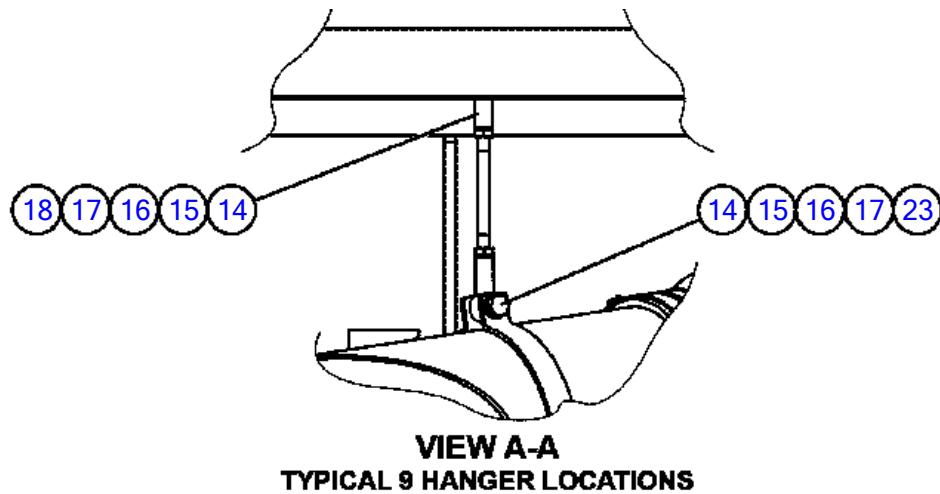


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 A31597 ANTAMINA  
**FAN & FAN DRIVE****

Item	Part No	Description	Qty
1	PC0665	FAN - 84"	1
2	01010-81690	BOLT	8
3	01643-31645	FLAT WASHER - M16 (HARDENED)	8
4	MM0474	LOCKWASHER - M16	8
5	EH3192	SPACER, FAN	1
6	XA4485	CLUTCH, FAN (1)	1
7	BF4991	BELT, FAN	1
8		PULLEY, FAN DRIVE (1)	1
NS		NOTE: (1) SUPPLIED WITH ENGINE.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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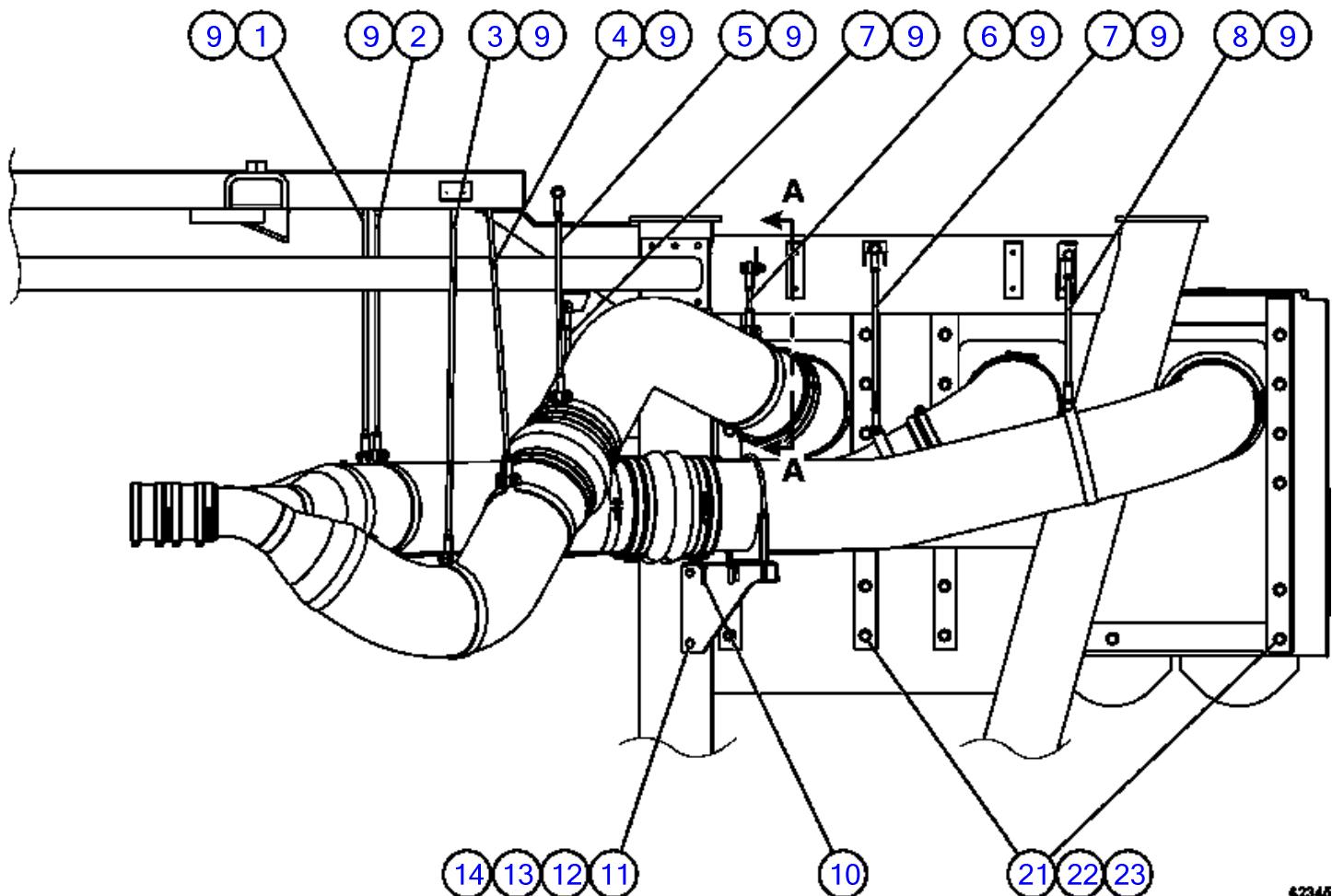
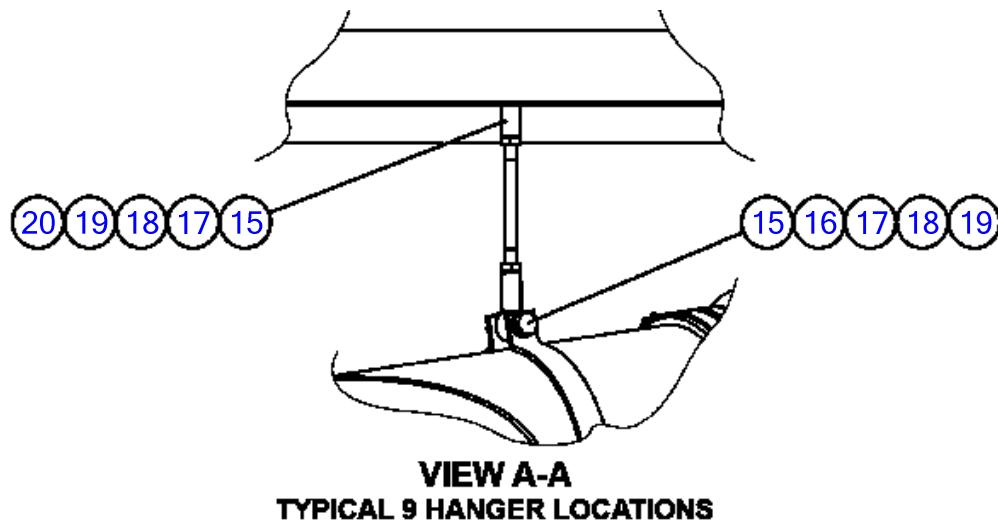
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### AIR CLEANER INSTALLATION - LEFT

Item	Part No	Description	Qty
1	EK3399	ROD, THREADED	1
2	EL2596	ROD, THREADED	1
3	EK9487	ROD, THREADED	2
4	EK9488	ROD, THREADED	1
5	EK9486	ROD, THREADED	1
6	EK9491	ROD, THREADED	1
7	EK9489	ROD, THREADED	1
8	EJ9909	CLAMP	8
9	TA6490	CLAMP ASSEMBLY	2
	TA6483	· CLAMP	1
	TA6491	· U-BOLT - 3/8" - 16NC	1
	C0312	· LOCKWASHER - 3/8"	2
	C1521	· NUT - 3/8" - 16NC	2
	C1547	FLAT WASHER - 3/8"	2
10	EJ5567	BRACKET, SHELF - L.H.	1
11	MM0462	FLAT WASHER - M12	2
12	MM0617	CAPSCREW - M12 X 1.75 X 25	2
13	MM0472	LOCKWASHER - M12	2
14	PC1247	ROD END, FEMALE	18
15	WA4728	FLAT WASHER - 1/2" (HARDENED)	36
16	DF3500	LOCKNUT - 1/2" - 13NC	18
17	TL8151	JAM NUT - 1/2" - 20NF	18
18	WA0471	CAPSCREW - 1/2" - 13NC X 2 1/4"	9
19	C1641	CAPSCREW - 5/8" - 11NC X 4 1/2"	15
20	WA0361	FLAT WASHER - 5/8" (HARDENED)	25
21	C1629	CAPSCREW - 5/8" - 11NC X 1 3/4"	10
22	EL2594	ROD, THREADED	1
23	VC4898	CAPSCREW - 1/2" - 13NC X 2 1/2"	9

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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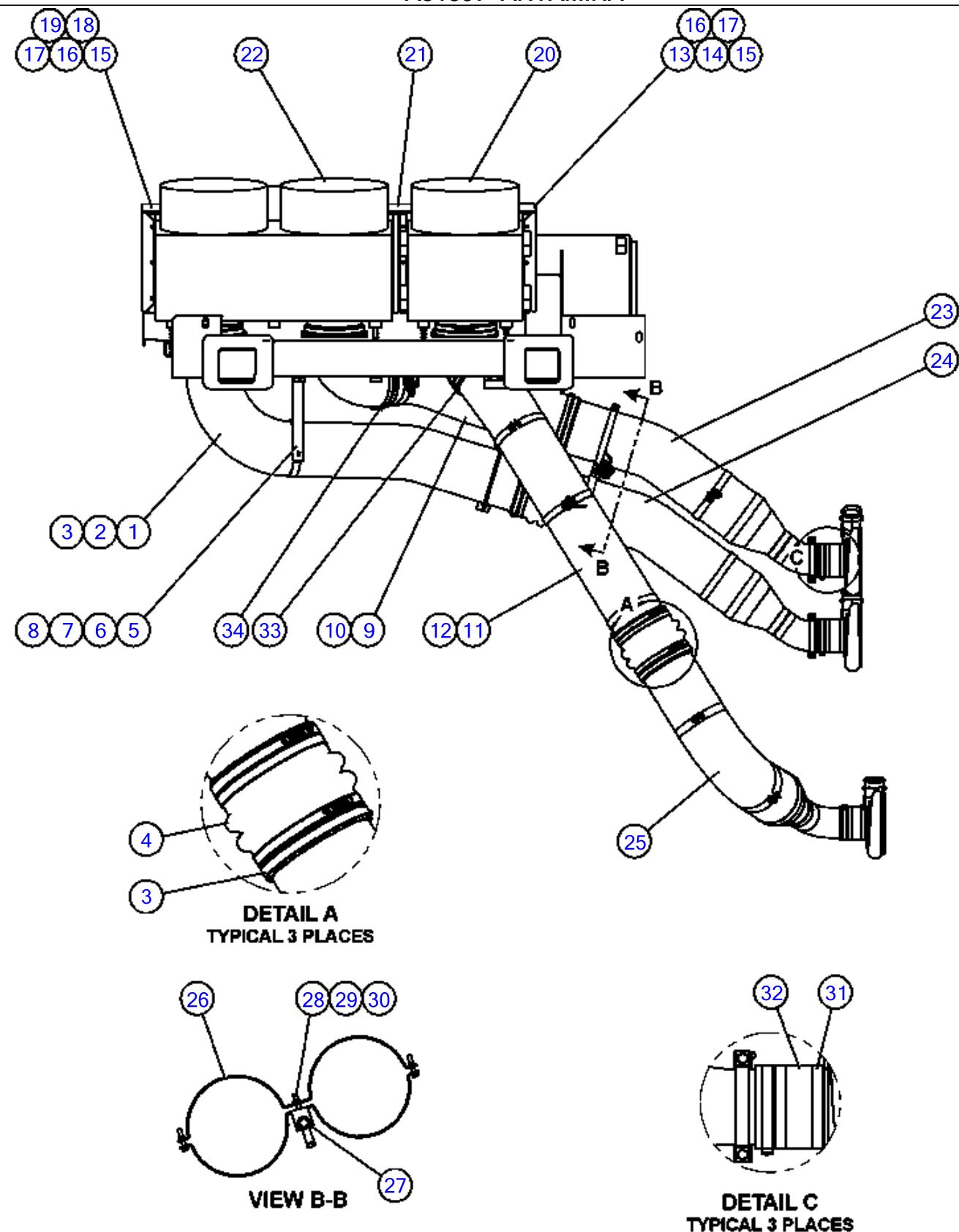


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### AIR CLEANER INSTALLATION - RIGHT

Item	Part No	Description	Qty
1	EK9492	ROD, THREADED	1
2	EK9491	ROD, THREADED	1
3	EK9494	ROD, THREADED	1
4	EK9493	ROD, THREADED	1
5	EK9490	ROD, THREADED	1
6	EJ9910	ROD, THREADED	1
7	EL2594	ROD, THREADED	2
8	EK3399	ROD, THREADED	1
9	EJ9909	CLAMP	8
10	TA6490	CLAMP ASSEMBLY	2
	TA6483	· CLAMP	1
	TA6491	· U-BOLT - 3/8" - 16NC	1
	C0312	· LOCKWASHER - 3/8"	2
	C1521	· NUT - 3/8" - 16NC	2
	C1547	FLAT WASHER - 3/8"	2
11	EJ5568	BRACKET, SHELF - R.H.	1
12	MM0462	FLAT WASHER - M12	2
13	MM0617	CAPSCREW - M12 X 1.75 X 25	2
14	MM0472	LOCKWASHER - M12	2
15	PC1247	ROD END, FEMALE	18
16	VC4898	CAPSCREW - 1/2" - 13NC X 2 1/2"	9
17	WA4728	FLAT WASHER - 1/2" (HARDENED)	36
18	DF3500	LOCKNUT - 1/2" - 13NC	18
19	TL8151	JAM NUT - 1/2" - 20NF	18
20	WA0471	CAPSCREW - 1/2" - 13NC X 2 1/4"	9
21	C1641	CAPSCREW - 5/8" - 11NC X 4 1/2"	15
22	WA0361	FLAT WASHER - 5/8" (HARDENED)	25
23	C1629	CAPSCREW - 5/8" - 11NC X 1 3/4"	10

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

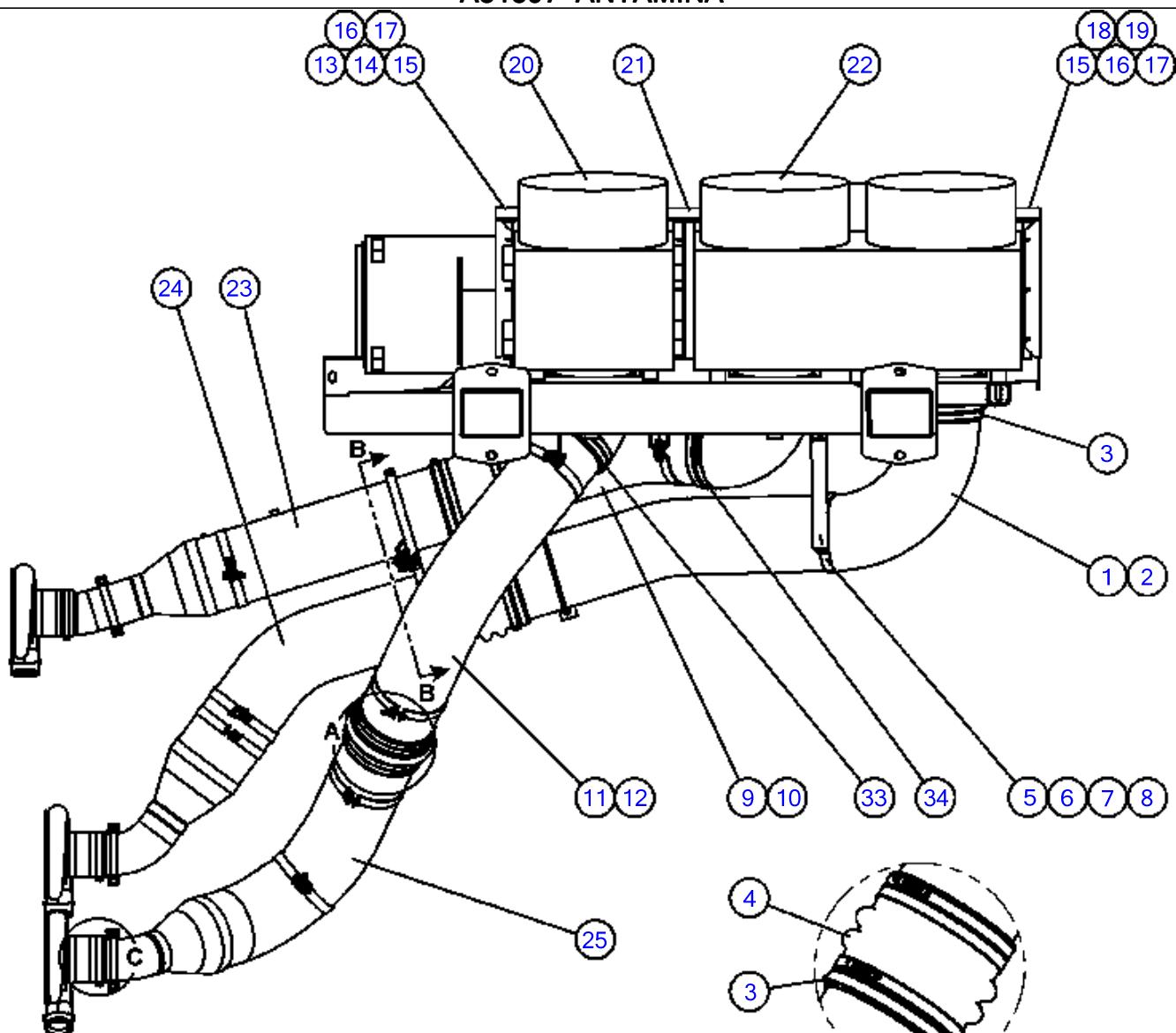


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 A31597 ANTAMINA

### AIR CLEANER PIPING - LEFT

Item	Part No	Description	Qty	Page
1	EK5654	TUBE, BENT - L.H. OUTER FRONT	1	
2	VW7882	HOSE	1	
3	WB1177	CLAMP, T-BOLT	16	
4	PC1115	HOSE, DOUBLE HUMP	3	
5	EJ9919	BRACKET, MOUNTING	1	
6	MM0462	FLAT WASHER - M12	2	
7	MM0617	CAPSCREW - M12 X 1.75 X 25	2	
8	MM0472	LOCKWASHER - M12	2	
9	EK5666	TUBE, BENT - L.H. MIDDLE FRONT	1	
10	PB1597	ELBOW, RUBBER	1	
11	EK5657	TUBE, BENT - L.H. INNER FRONT	1	
12	TX6040	ELBOW, RUBBER - 45 DEG	1	
13	TB1019	RAIN GUARD - L.H.	1	
14	TB1017	RAIN GUARD	1	
15	TR2961	CAPSCREW - 5/8" - 11NC X 1"	8	
16	VC1390	LOCKWASHER - 5/8"	8	
17	TR9082	FLAT WASHER - 5/8"	8	
18	TB1018	RAIN GUARD - R.H.	1	
19	TB1406	RAIN GUARD	1	
20	PC2557	AIR CLEANER ASSEMBLY, SINGLE (SEE INDEX)	1	074
21	EJ0609	SHEET	1	
22	PC2558	AIR CLEANER ASSEMBLY, DUAL (SEE INDEX)	1	072
23	EH9685	TUBE - L.H. MIDDLE REAR	1	
24	XB9524	TUBE - L.H. OUTER REAR	1	
25	XB9559	TUBE - L.H. INNER REAR	1	
26	EG8033	CLAMP, DOUBLE	2	
27	EL2598	BRACKET	1	
28	TR4434	CAPSCREW - 3/8" - 16NC X 2"	3	
29	HE5611	LOCKNUT - 3/8" - 16NC	3	
30	WA4726	FLAT WASHER - 3/8" (HARDENED)	3	
31	WB1169	CLAMP, T-BOLT	9	
32	EH9965	HOSE, TURBO CONNECTION	3	
33	WB1179	CLAMP, T-BOLT	4	
34	WB1178	CLAMP, T-BOLT	4	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



DETAIL A  
TYPICAL 3 PLACES

DETAIL C  
TYPICAL 3 PLACES

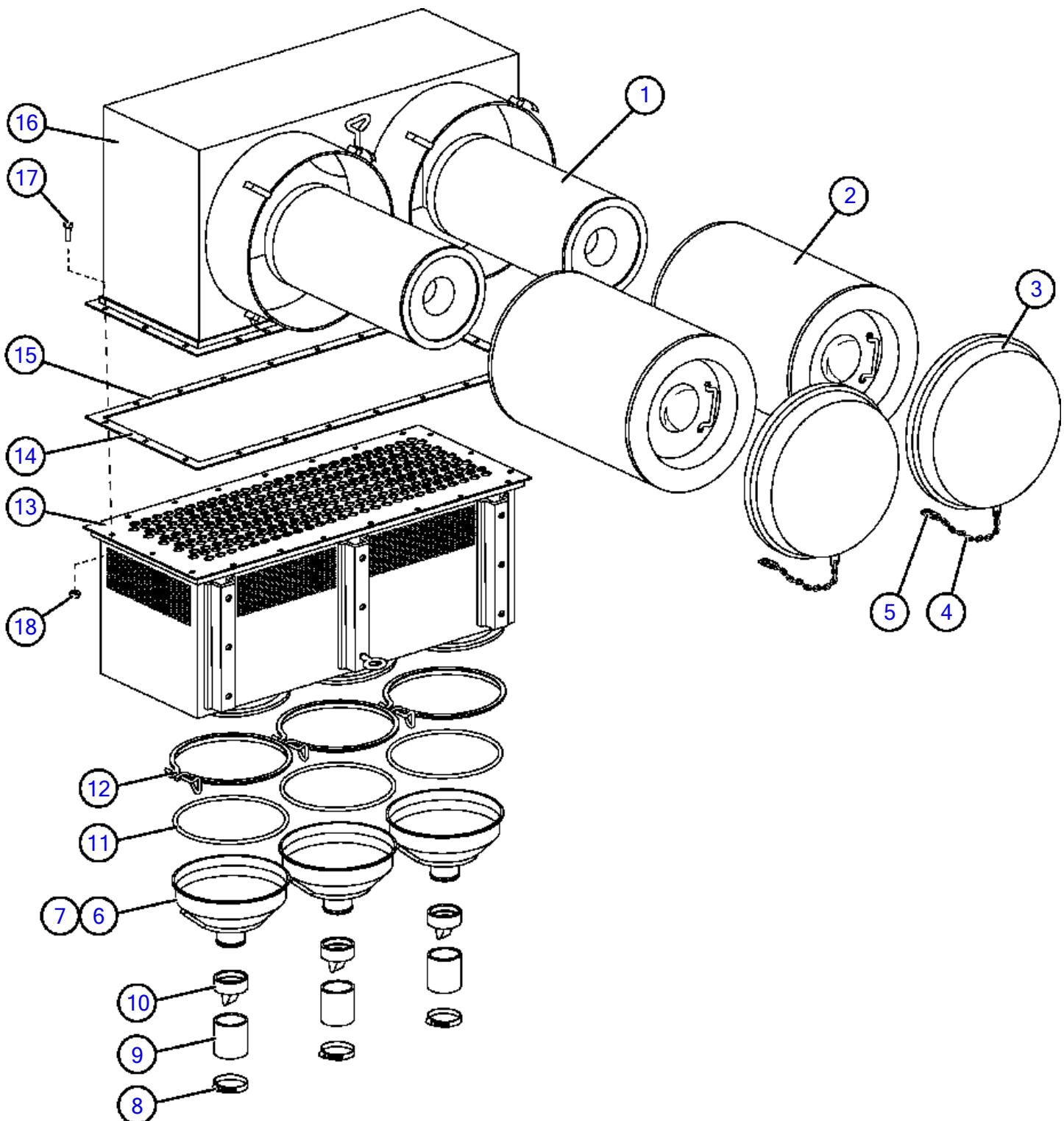
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 A31597 ANTAMINA

### AIR CLEANER PIPING - RIGHT

Item	Part No	Description	Qty	Page
1	EK5653	TUBE, BENT - R.H. OUTER FRONT	1	
2	VW7882	HOSE	1	
3	WB1177	CLAMP, T-BOLT	16	
4	PC1115	HOSE, DOUBLE HUMP	3	
5	EJ9919	BRACKET, MOUNTING	1	
6	MM0462	FLAT WASHER - M12	2	
7	MM0617	CAPSCREW - M12 X 1.75 X 25	2	
8	MM0472	LOCKWASHER - M12	2	
9	EH9693	TUBE, BENT - R.H. MIDDLE FRONT	1	
10	PB1597	ELBOW, RUBBER	1	
11	EH9696	TUBE, BENT - R.H. INNER FRONT	1	
12	TX6040	ELBOW, RUBBER - 45 DEG	1	
13	TB1019	RAIN GUARD - L.H.	1	
14	TB1017	RAIN GUARD	1	
15	TR2961	CAPSCREW - 5/8" - 11NC X 1"	8	
16	VC1390	LOCKWASHER - 5/8"	8	
17	TR9082	FLAT WASHER - 5/8"	8	
18	TB1018	RAIN GUARD - R.H.	1	
19	TB1406	RAIN GUARD	1	
20	PC2557	AIR CLEANER ASSEMBLY, SINGLE (SEE INDEX)	1	074
21	EJ0609	SHEET	1	
22	PC2558	AIR CLEANER ASSEMBLY, DUAL (SEE INDEX)	1	072
23	EH9694	TUBE, R.H. MIDDLE REAR	1	
24	XB9527	TUBE, R.H. OUTER REAR	1	
25	XB9528	TUBE, R.H. INNER REAR	1	
26	EG8033	CLAMP, DOUBLE	2	
27	EL2598	BRACKET	1	
28	TR4434	CAPSCREW - 3/8" - 16NC X 2"	3	
29	HE5611	LOCKNUT - 3/8" - 16NC	3	
30	WA4726	FLAT WASHER - 3/8" (HARDENED)	3	
31	WB1169	CLAMP, T-BOLT	9	
32	EH9965	HOSE, TURBO CONNECTION	3	
33	WB1179	CLAMP, T-BOLT	4	
34	WB1178	CLAMP, T-BOLT	4	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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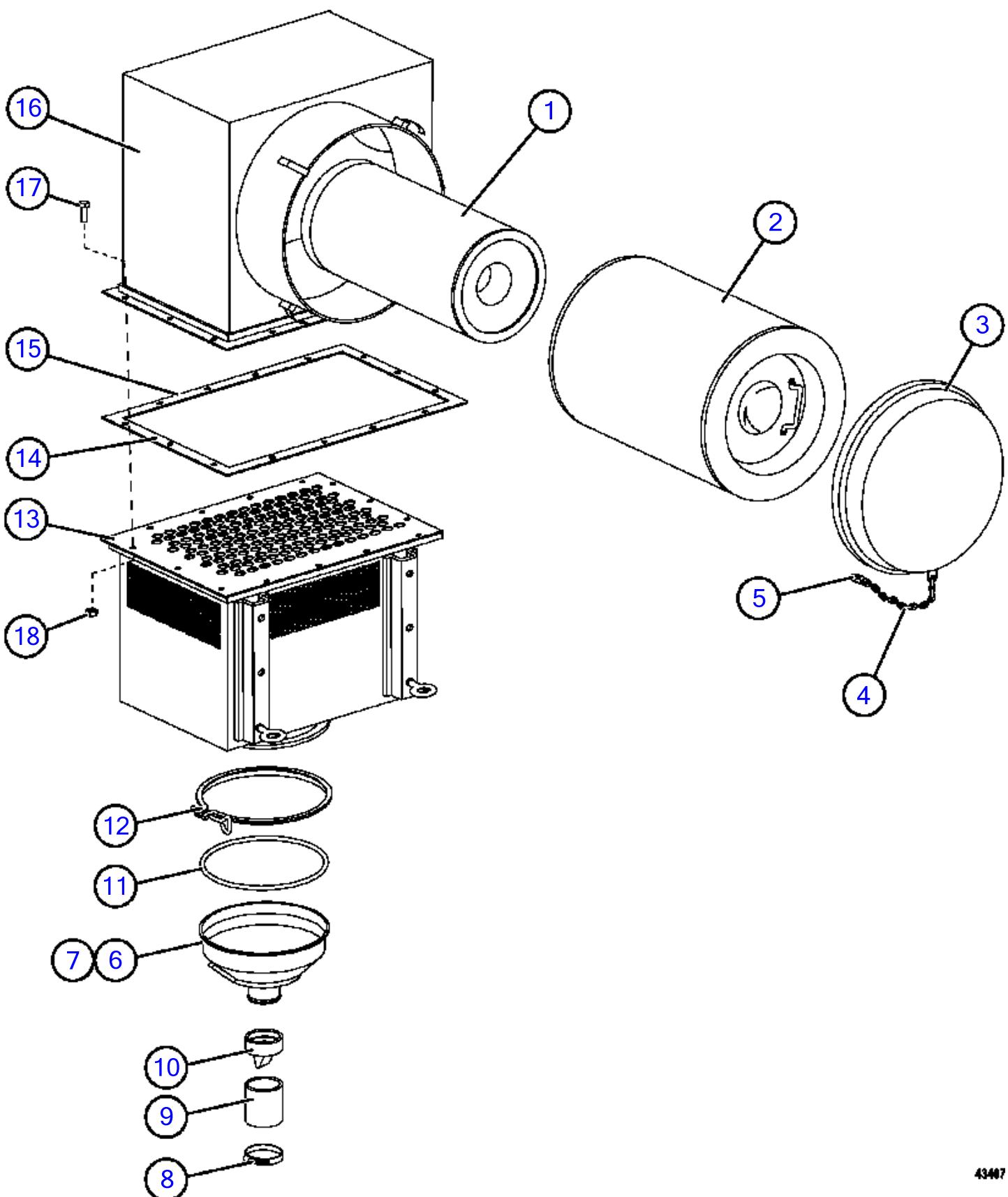
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 A31597 ANTAMINA

**AIR CLEANER ASSEMBLY PC2558**

Item	Part No	Description	Qty
1	XA4291	FILTER, SAFETY	2
2	XA4292	FILTER, PRIMARY	2
3	XA5011	COVER	2
4	XA4293	CHAIN	2
5	XA5012	CONNECTOR, CHAIN	2
6	XA3928	CUP ASSEMBLY	3
	XA3920	· CUP	3
7	XA3922	· · GASKET	3
8	CD9709	· CLAMP, WORM DRIVE	3
9	PB1551	· TUBE	3
10	VG9486	· VALVE, DUST CUP	3
11	VS2190	O-RING	3
12	VP0359	CLAMP	3
13	VJ4028	BODY, LOWER	1
14	VS2194	GASKET (SHORT STRIPS)	2
15	VS2193	GASKET (LONG STRIPS)	2
16	XA3937	BODY, UPPER	1
17	VS2195	CAPSCREW	22
18	VS2196	NUT	22

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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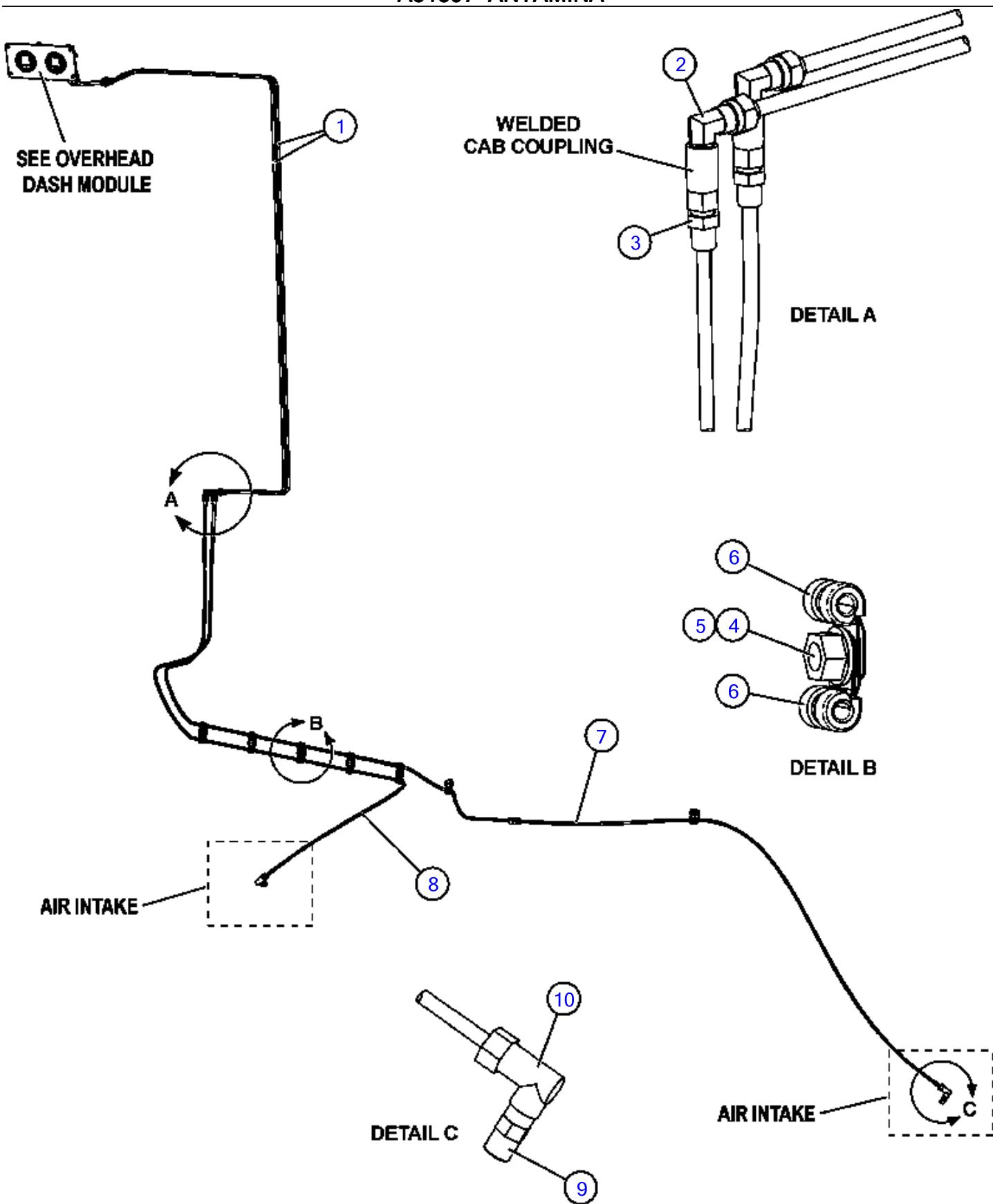


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 A31597 ANTAMINA

**AIR CLEANER ASSEMBLY PC2557**

Item	Part No	Description	Qty
1	XA4291	FILTER, SAFETY	1
2	XA4292	FILTER, PRIMARY	1
3	XA5011	COVER	1
4	XA4293	CHAIN	1
5	XA5012	CONNECTOR, CHAIN	1
6	XA3928	CUP ASSEMBLY	1
	XA3920	· CUP	1
7	XA3922	· · GASKET	1
8	CD9709	· CLAMP, WORM DRIVE	1
9	PB1551	· TUBE	1
10	VG9486	· VALVE, DUST CUP	1
11	VS2190	O-RING	1
12	VP0359	CLAMP	1
13	XA2139	BODY, LOWER	1
14	VS2194	GASKET (SHORT STRIPS)	2
15	VJ4035	GASKET (LONG STRIPS)	2
16	XA3934	BODY, UPPER	1
17	VS2195	CAPSCREW	14
18	VS2196	NUT	14

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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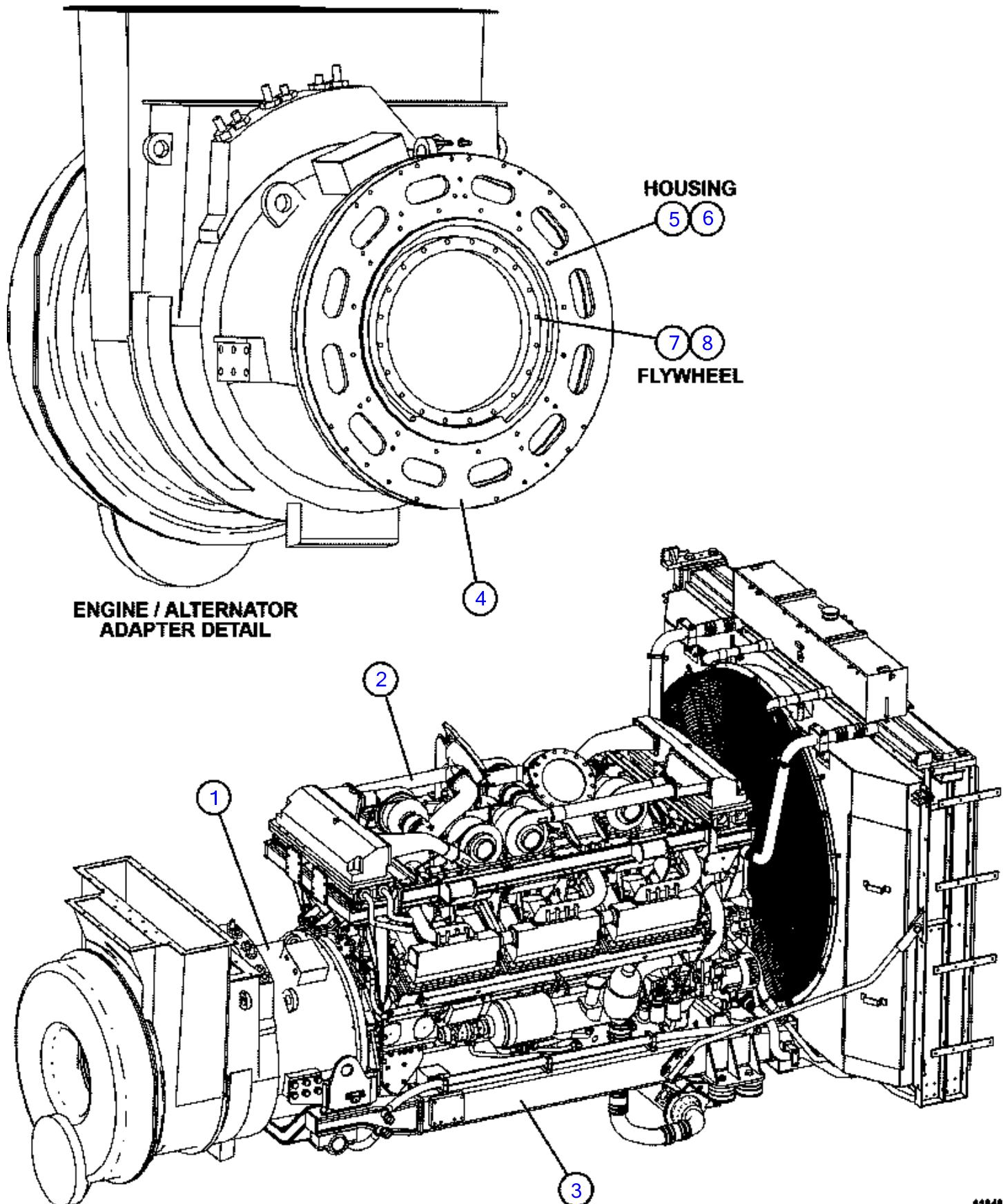


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 A31597 ANTAMINA

### AIR CLEANER INDICATOR PIPING

Item	Part No	Description	Qty
1	TM4777	TUBE, NYLON	2
2	TA0602	FITTING, NYLON	2
3	TA0603	FITTING, NYLON	2
4	MM0178	NUT - M10 X 1.50	7
5	MM0461	FLAT WASHER - M10	7
6	WB1301	CLAMP, CUSHIONED - 1/4"	9
7	XB9556	TUBE, NYLON - R.H.	1
8	XB9555	TUBE, NYLON - L.H.	1
9	TH7238	RESTRICTOR, FILTER	2
10	TA7047	FITTING, NYLON CONNECTOR	2

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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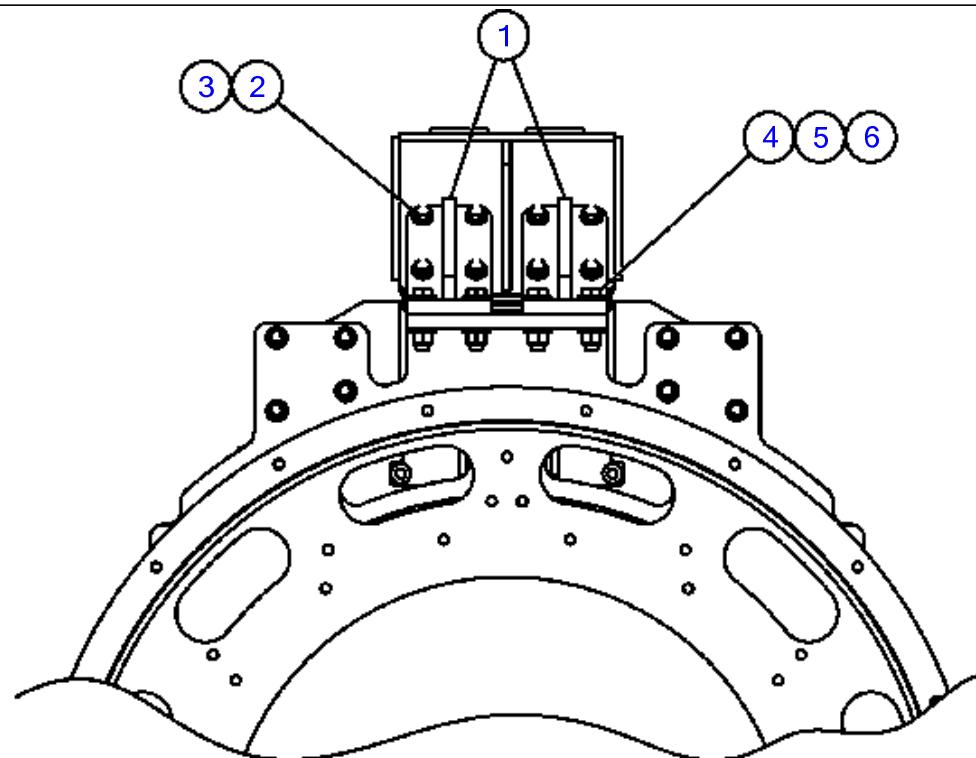


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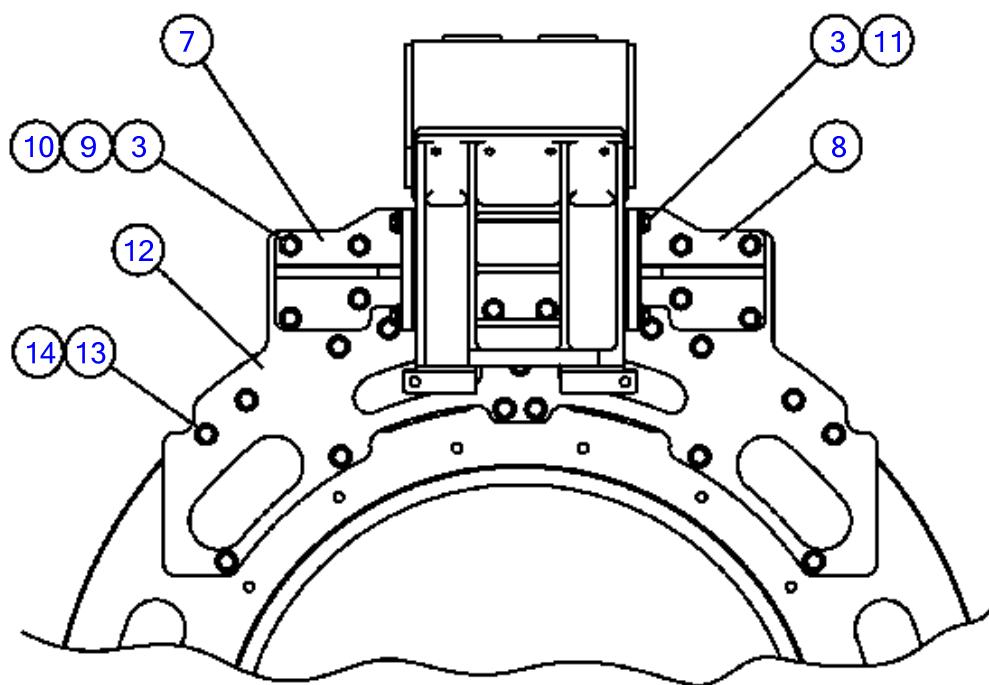
## POWERTRAIN INSTALLATION

Item	Part No	Description	Qty	Page
1	58B-06-00680	ALTERNATOR/BLOWER ASSEMBLY (SEE INDEX)	1	662
2	58B-01-00130	ENGINE (ORDER FROM FACTORY)	1	
3	XB7234	SUB-FRAME	1	
4	XB1462	ADAPTER ASSEMBLY	1	
	EJ1055	· SHIM	20	
	EJ1056	· SHIM	35	
	EL3331	· SHIM	40	
	EL3332	· SHIM	35	
5	MM0053	· CAPSCREW - M12 X 1.75 X 45	16	
6	MM0705	· FLAT WASHER - M12 (HARDENED)	16	
7	VN9178	· CAPSCREW - 5/8" - 11NC X 6"	20	
8	WA0361	· FLAT WASHER - 5/8" (HARDENED)	20	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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REAR VIEW



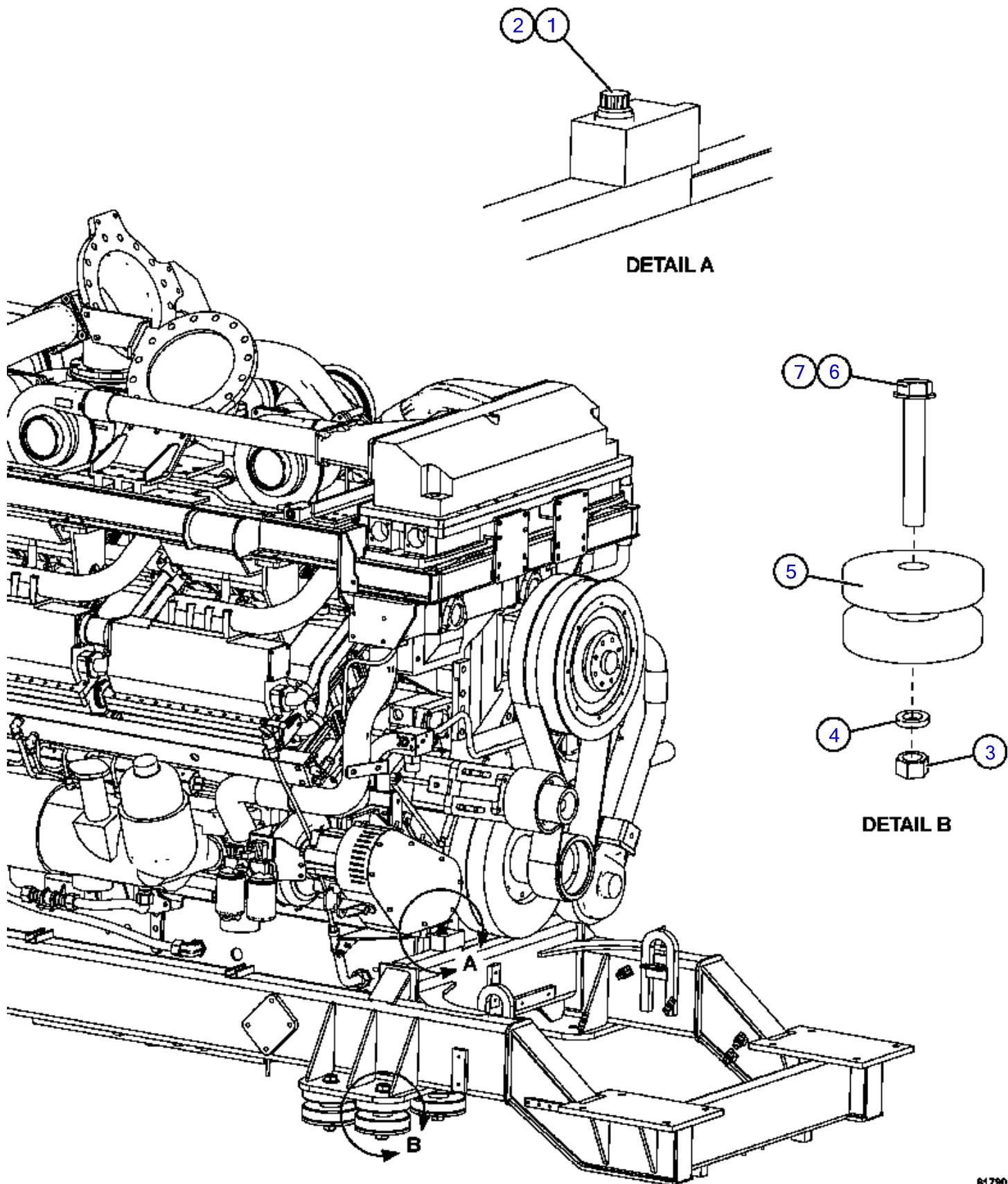
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### ALTERNATOR/FLYWHEEL HOUSING BRACING INSTALLATION

Item	Part No	Description	Qty
1	EL0612	BRACKET	2
2	MM0059	CAPSCREW - M12 X 1.75 X 50	8
3	MM0705	FLAT WASHER - M12 (HARDENED)	32
4	MM0093	CAPSCREW - M16 X 2.00 X 70	8
5	MM0706	FLAT WASHER - M16 (HARDENED)	16
6	MM0181	NUT - M16 X 2.00	8
7	EL0619	BRACKET	1
8	EL0618	BRACKET	1
9	MM0062	CAPSCREW - M12 X 1.75 X 60	8
10	MM0179	NUT - M12 X 1.75	8
11	MM0045	CAPSCREW - M12 X 1.75 X 40	8
12	EL0611	PLATE, BENT	1
13	VN9057	CAPSCREW - 1/2" - 13NC X 1 3/4"	17
14	WA0360	FLAT WASHER - 1/2" (HARDENED)	17

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



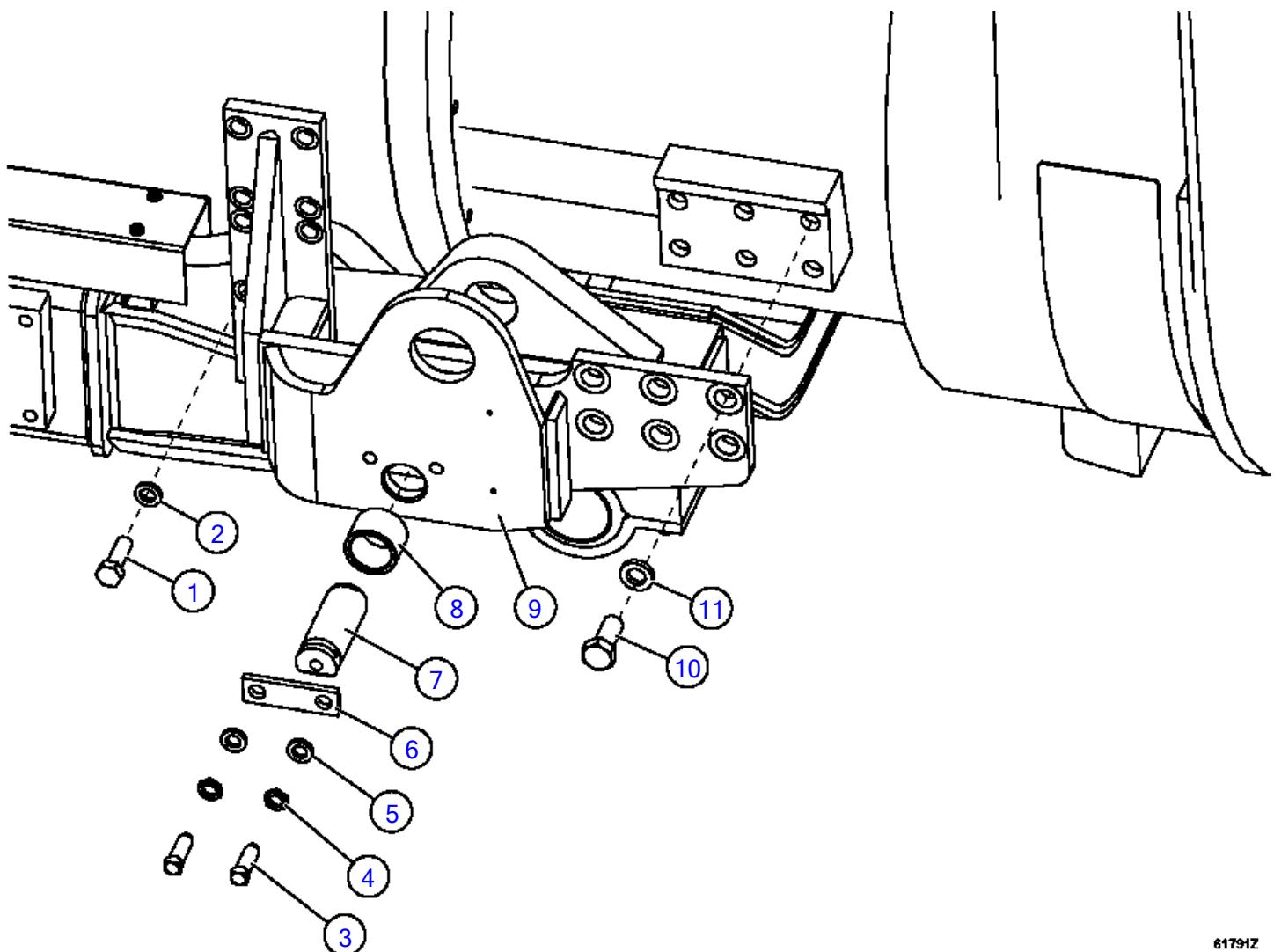
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 A31597 ANTAMINA

### ENGINE/SUB-FRAME MOUNTS

Item	Part No	Description	Qty
1	WB1193	CAPSCREW - M20 X 2.50 X 90 (12 PT)	2
2	MM0475	LOCKWASHER - M20	16
3	VX1156	NUT - 1" - 8NC	8
4	VC7828	LOCKWASHER - 1"	8
5	PC1393	MOUNT, RUBBER (TWO-PIECE)	8
6	WA4732	FLAT WASHER - 1" (HARDENED)	8
7	VN9202	CAPSCREW - 1" - 8NC X 7"	8

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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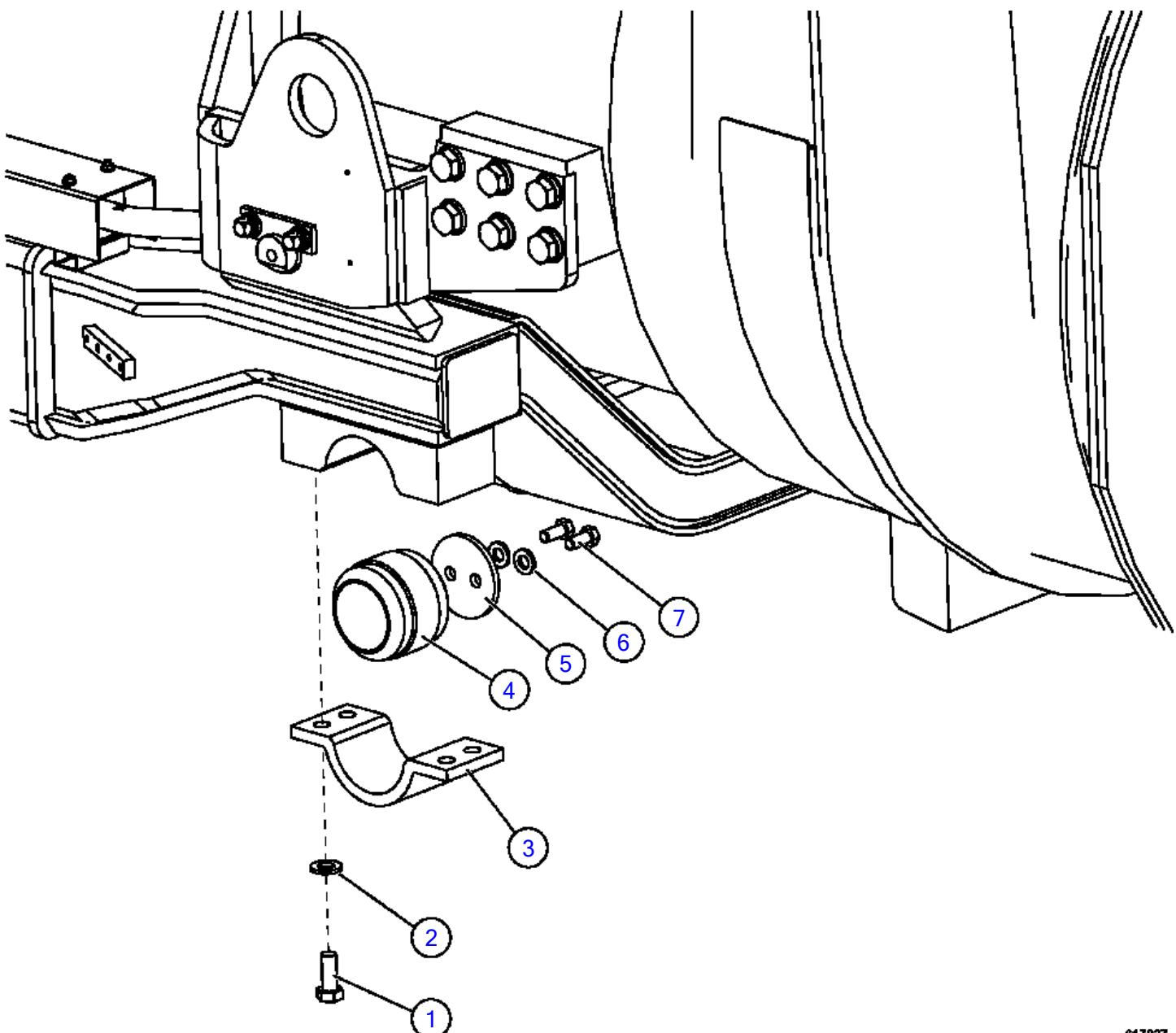
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 A31597 ANTAMINA

## ENGINE CRADLE INSTALLATION

Item	Part No	Description	Qty
1	MM0055	CAPSCREW - M20 X 2.50 X 50	14
2	MM0475	LOCKWASHER - M20	14
3	PC0936	SET SCREW - 3/4" - 10NC X 2"	4
4	E5222	JAM NUT - 3/4" - 10NC	4
5	C1542	LOCKWASHER - 3/4"	4
6	TN1018	PLATE	2
7	TN1019	PIN	2
8	PB4177	RACE, INNER	2
9	EH7714	CRADLE - R.H.	1
	EH7713	CRADLE - L.H.	1
10	VN9079	CAPSCREW - 1" - 8NC X 2 1/4"	12
11	C1544	LOCKWASHER - 1"	12

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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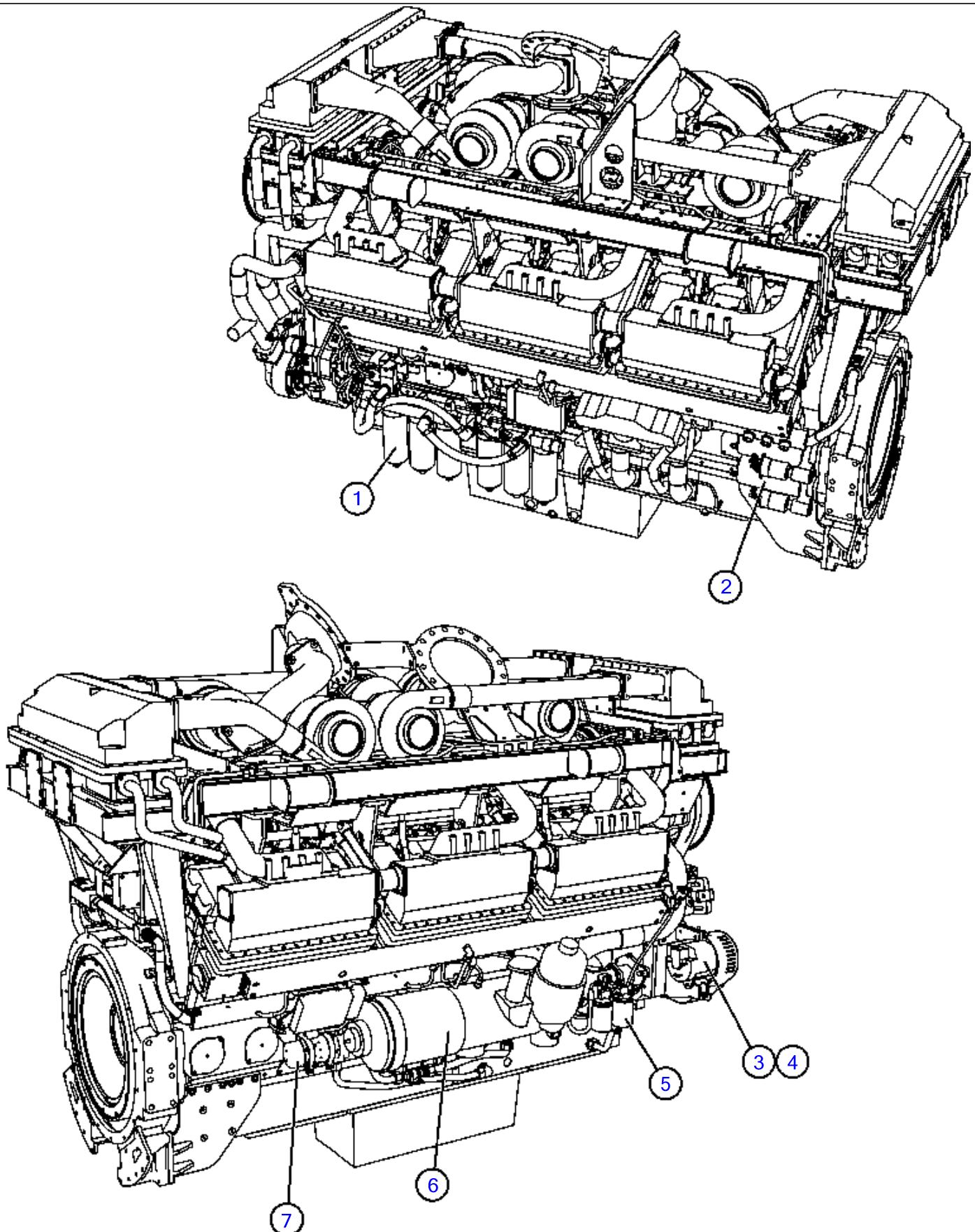
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 A31597 ANTAMINA

### SUB-FRAME CRADLE INSTALLATION

Item	Part No	Description	Qty
1	MM0055	CAPSCREW - M20 X 2.50 X 50	8
2	MM0707	FLAT WASHER - M20 (HARDENED)	8
3	EM5499	MACHINED CAP	2
4	VM3891	BUSHING, RUBBER	2
5	EM5444	PLATE	2
6	MM0706	FLAT WASHER - M16 (HARDENED)	4
7	MM0038	CAPSCREW - M16 X 2.00 X 35	4

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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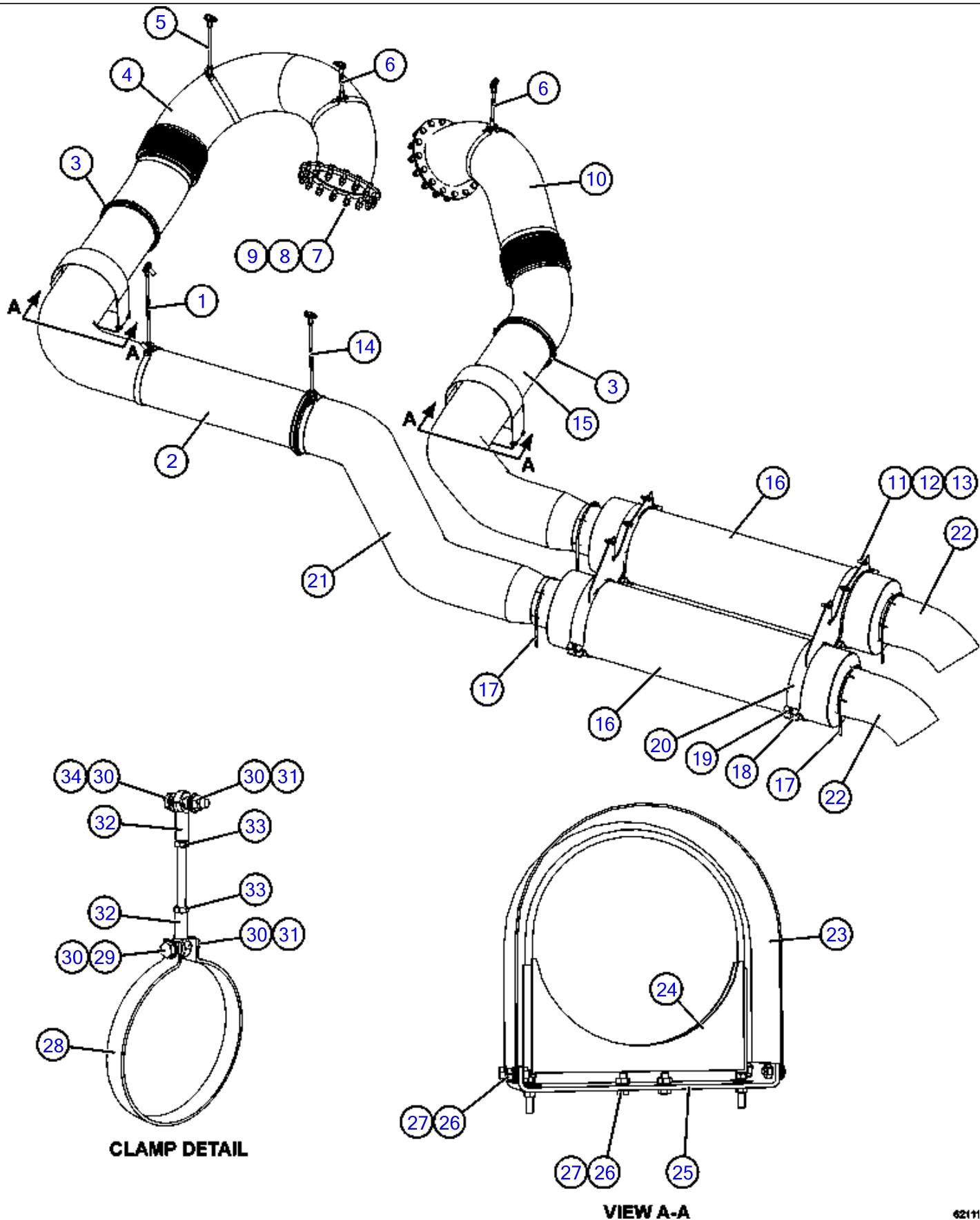


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A31597 ANTAMINA

### ENGINE MISCELLANEOUS

Item	Part No	Description	Qty
1	XA4881	ELEMENT, FUEL FILTER	6
2	XA3660	MOTOR, CRANKING	2
3	XA5867	ALTERNATOR, BATTERY CHARGING	1
4	BF4993	BELT, ALTERNATOR DRIVE	1
5	XA2129	ELEMENT, WATER CORROSION RESISTOR	2
6	XA2215	ELIMINATOR FILTER ASSEMBLY	1
	XA2216	• FILTER HOUSING KIT	1
	XA2217	• CENTRIFUGE SERVICE KIT	1
7	XA4488	PUMP, PRELUBE	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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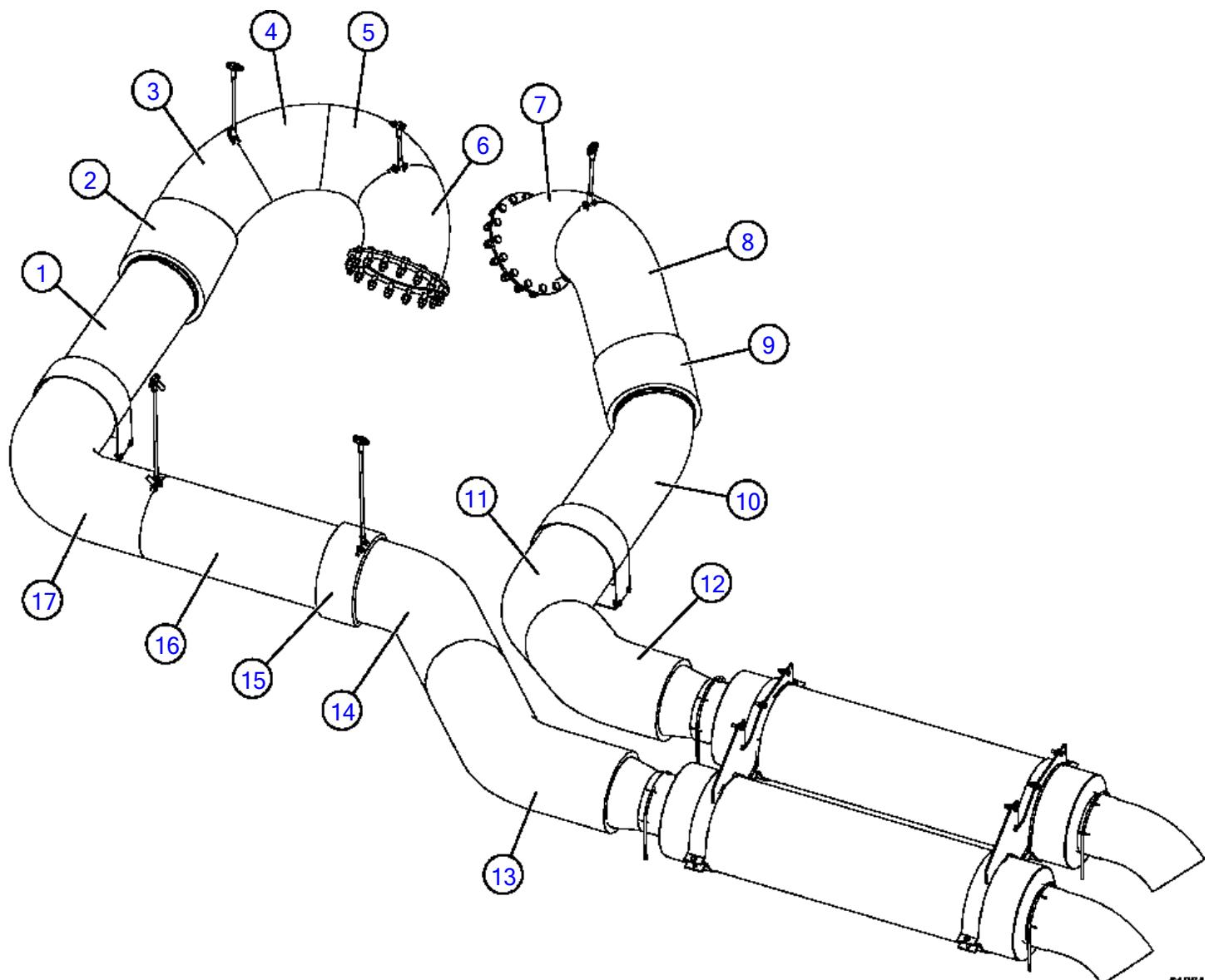


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 A31597 ANTAMINA

### EXHAUST PIPING - DECK MUFFLERS

Item	Part No	Description	Qty
1	EK4001	ROD, THREADED	2
2	XB5062	TUBE, EXHAUST	1
3	PC0760	CLAMP, V-BAND	3
4	XB6814	TUBE, EXHAUST - L.H.	1
5	EK4002	ROD, THREADED	1
6	EK1650	ROD, THREADED	2
7	C1647	CAPSCREW - 3/4" - 10NC X 2 3/4"	32
8	C1542	LOCKWASHER - 3/4"	32
9	C1527	NUT - 3/4" - 10NC	32
10	XB6815	TUBE, EXHAUST - R.H.	1
11	MM0620	CAPSCREW - M12 X 1.75 X 40	8
12	MM0714	FLAT WASHER - M12 (HARDENED)	8
13	MM0179	NUT - M12 X 1.75	8
14	EK3395	ROD, THREADED	1
15	XB8892	TUBE, EXHAUST	1
16	EH9967	MUFFLER	2
17	TA6490	CLAMP ASSEMBLY	4
	TA6483	· CLAMP	1
	TA6491	· U-BOLT - 3/8" - 16NC	1
	C0312	· LOCKWASHER - 3/8"	2
	C1521	· NUT - 3/8" - 16NC	2
18	EJ1952	CLAMP	4
19	MM0624	CAPSCREW - M12 X 1.75 X 70	8
20	EJ8380	HANGER, MUFFLER	2
21	XB8891	TUBE, EXHAUST	1
22	EH9563	TUBE, EXHAUST	2
23	EK6241	PLATE, BENT	2
24	EH9397	CLAMP ASSEMBLY	2
	EH9391	· CLAMP	1
	EH9389	· U-BOLT	1
	C0312	· LOCKWASHER - 3/8"	2
	C1521	· NUT - 3/8" - 16NC	2
25	EK6240	MOUNT	2
26	MM0042	CAPSCREW - M10 X 1.50 X 25	12
27	MM0461	FLAT WASHER - M10	12
28	EK5668	CLAMP	5
29	VC7083	CAPSCREW - 1/2" - 13NC X 3"	5
30	WA4728	FLAT WASHER - 1/2" (HARDENED)	20
31	DF3500	LOCKNUT - 1/2" - 13NC	10
32	PC1247	ROD END, FEMALE	14
33	TL8151	JAM NUT - 1/2" - 20NF	14
34	WA0471	CAPSCREW - 1/2" - 13NC X 2 1/4"	5

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

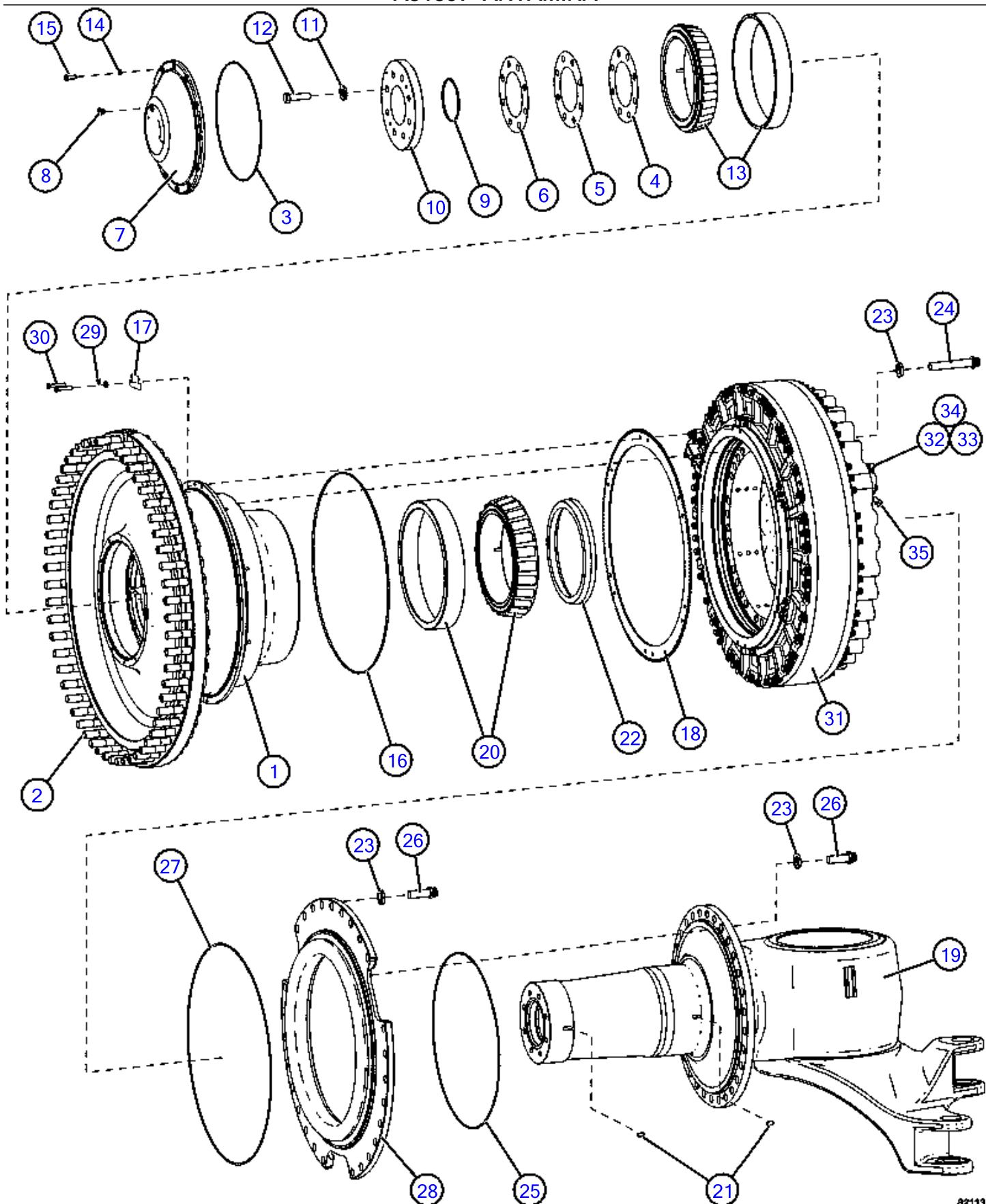


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### EXHAUST BLANKETS - DECK MUFFLERS

Item	Part No	Description	Qty
1	XB8806	BLANKET, EXHAUST	1
2	XB7659	BLANKET, EXHAUST	1
3	XB8803	BLANKET, EXHAUST	1
4	XB8808	BLANKET, EXHAUST	1
5	XB8802	BLANKET, EXHAUST	1
6	XB8801	BLANKET, EXHAUST	1
7	XB8804	BLANKET, EXHAUST	1
8	XB8805	BLANKET, EXHAUST	1
9	XB8809	BLANKET, EXHAUST	1
10	XB8807	BLANKET, EXHAUST	1
11	XB8912	BLANKET, EXHAUST	1
12	XB8914	BLANKET, EXHAUST	1
13	XB8913	BLANKET, EXHAUST	1
14	XB8911	BLANKET, EXHAUST	1
15	XB8666	BLANKET, EXHAUST	1
16	XB8663	BLANKET, EXHAUST	1
17	XB8661	BLANKET, EXHAUST	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

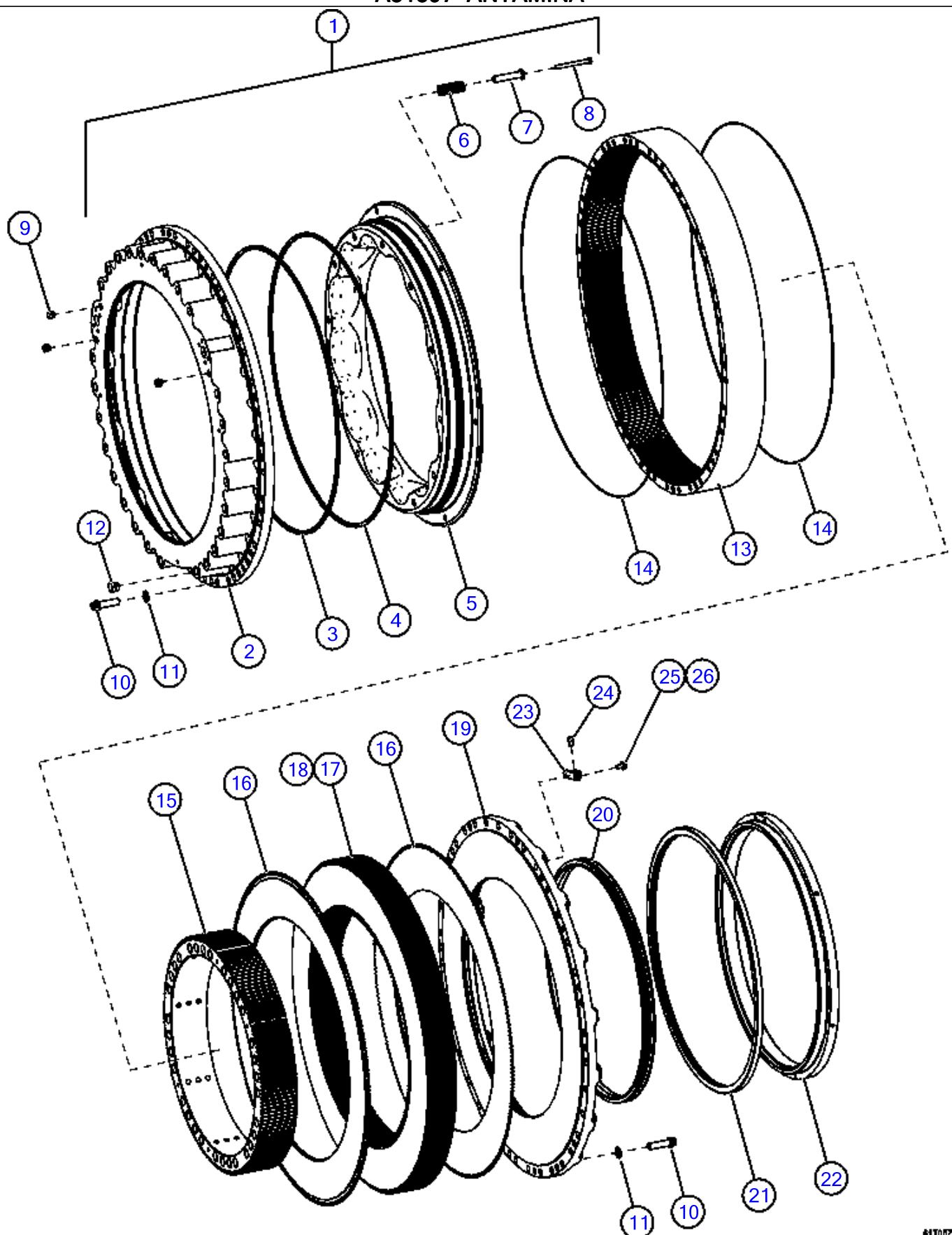


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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA**

**SPINDLE, HUB AND BRAKE ASSEMBLY**

Item	Part No	Description	Qty	Page
0	XB7682	SPINDLE, HUB AND BRAKE ASSEMBLY	1	
1	EM4976	• HUB ASSEMBLY	1	
	EJ6978	• • HUB, WHEEL	1	
2	EH0826	• • STUD W/ HEAD	57	
3	EH7192	• O-RING (1)	1	
4	EL2876	• SHIM - .005 (1)	3	
5	EL2877	• SHIM - .007 (1)	4	
6	EL2878	• SHIM - .020 (1)	6	
7	EH9522	• COVER	1	
8	WB1199	• PLUG, MAGNETIC	1	
9	EH7190	• O-RING (1)	1	
10	XB7696	• RETAINER, BEARING	1	
11	TY2148	• FLAT WASHER - 1" (HARDENED)	8	
12	VM8258	• CAPSCREW - 1" - 8NC X 3 3/4"	8	
13	PC3060	• BEARING ASSEMBLY, OUTER (1)	1	
14	C1540	• LOCKWASHER - 1/2"	12	
15	C1614	• CAPSCREW - 1/2" - 13NC X 1 1/2"	12	
16	EH7195	• SEAL, O-RING (1)	1	
17	ED3755	• SHIM - .020 (1)	54	
18	EJ7475	• GEAR, SPEED SENSOR	1	
19	EG7694	• SPINDLE	1	
20	PC3059	• BEARING ASSEMBLY, INNER (1)	1	
21	562-22-32290	• PIN	2	
22	ED3772	• SPACER, BEARING	1	
23	TY2149	• FLAT WASHER (HARDENED)	89	
24	WA5660	• CAPSCREW - 1 1/4" - 12NF X 7 1/2" (12 PT)	32	
25	EH7194	• O-RING (1)	1	
26	WA5669	• CAPSCREW - 1 1/4" - 12NF X 3 1/2" (12 PT)	57	
27	EH7196	• SEAL, O-RING (1)	1	
28	ED3775	• ADAPTER, BRAKE	1	
29	WA0360	• FLAT WASHER - 1/2" (HARDENED)	12	
30	VN9065	• CAPSCREW - 1/2" - 13NC X 2"	12	
31	XB0822	• FRONT BRAKE ASSEMBLY (SEE INDEX)	1	
32	WB1057	REDUCER	1	
33	PB6528	COUPLING, DIAGNOSTIC	1	
34	PB6041	CAP, DUST	1	
35	WA2567	FITTING, CAPNUT	1	
NS	AK9069	NOTE: (1) INCLUDED IN AK9069 SPINDLE MAINTENANCE KIT. (QUANTITIES SHOWN ARE FOR ONE SIDE ONLY.)		096
NS				

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



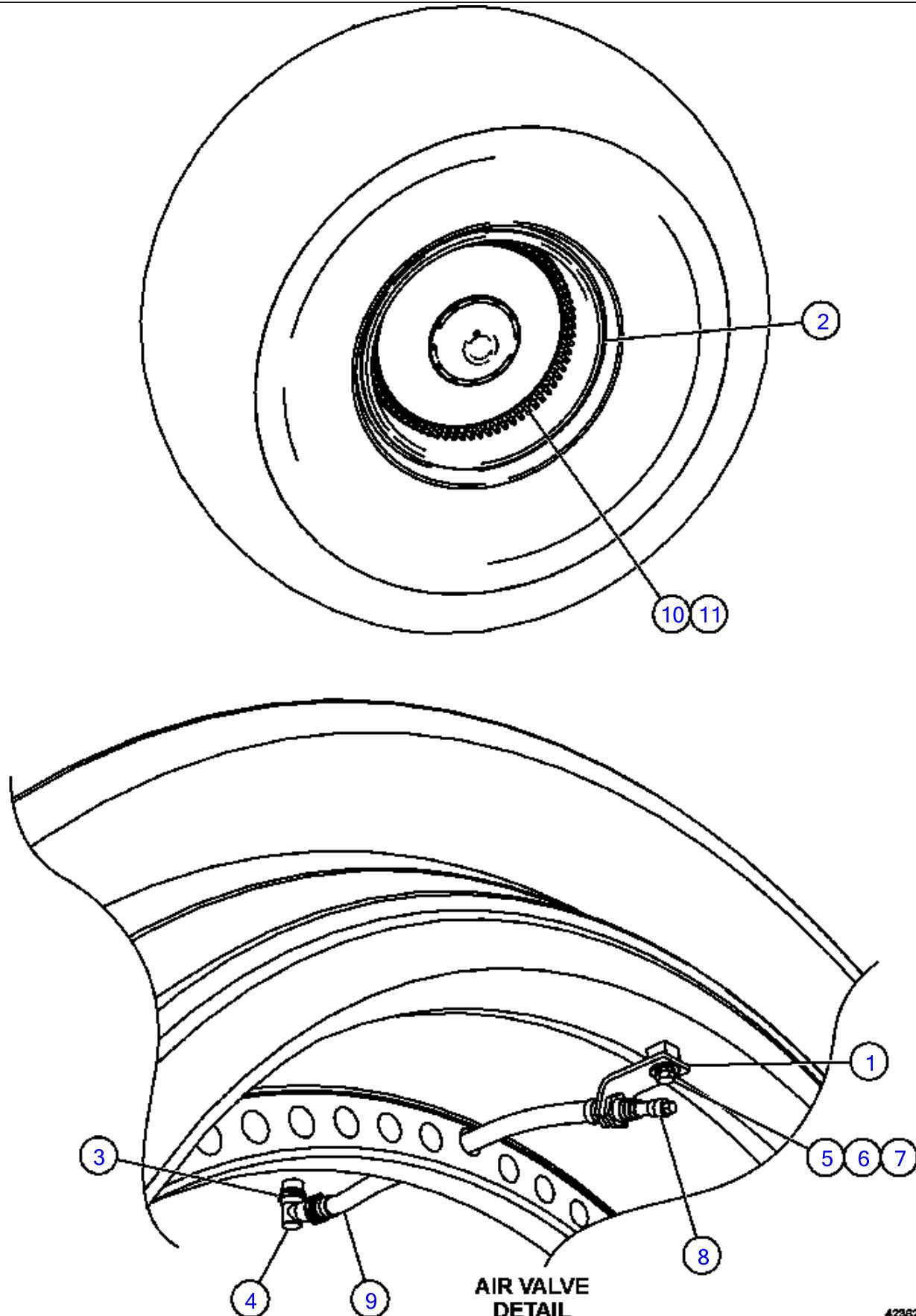
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AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**FRONT BRAKE ASSEMBLY      XB0822**

Item	Part No	Description	Qty
1	EJ6749	PISTON AND HOUSING ASSEMBLY	1
2	EJ6748	• HOUSING, PISTON	1
3	PC1143	• SEAL	1
4	PC1144	• SEAL	1
5	EG4953	• PISTON	1
6	PB8864	• SPRING	12
7	ED3327	• GUIDE, SPRING	12
8	VL1222	• CAPSCREW - 1/2" - 13NC X 5"	12
9	VM0315	PLUG	3
10	WA1589	CAPSCREW - 7/8" - 9NC X 3" (12 PT)	102
11	WA5659	FLAT WASHER - SPECIAL (HARDENED)	102
12	VM0317	PLUG	1
13	ED3339	GEAR, RING	1
14	EH7197	SEAL, O-RING	2
15	ED3343	GEAR, INNER	1
16	EM8367	DAMPER (1)	2
17	EM8365	DISC, SEPARATOR (1)	9
18	EM8366	DISC, FRICTION (1)	10
19	EL9170	PLATE, BACK	1
20	PC0651	SEAL ASSEMBLY	1
	BF4837	• SEAL, TORIC	2
	BF4116	• RING, SEAL	2
	BF4117	• TOOL, INSTALLATION (2)	1
21	PC1431	SEAL, OIL	1
22	EK5888	CARRIER, SEAL	1
23	EL9501	BRACKET, MOUNTING	6
24	D2930	CAPSCREW, SOCKET HEAD - 1/2" - 13NC X 3/4" (3)	6
25	C1612	CAPSCREW - 1/2" - 13NC X 1"	12
26	WA0360	FLAT WASHER - 1/2" (HARDENED)	12
NS	XK1161	NOTE: (1) INCLUDED IN XK1161 BRAKE DISC KIT. (2) NOT INCLUDED IN SEAL ASSEMBLY. (3) USED FOR ASSEMBLY AND STORAGE ONLY. REMOVE WHEN INSTALLED ON THE TRUCK.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



AIR VALVE  
DETAIL

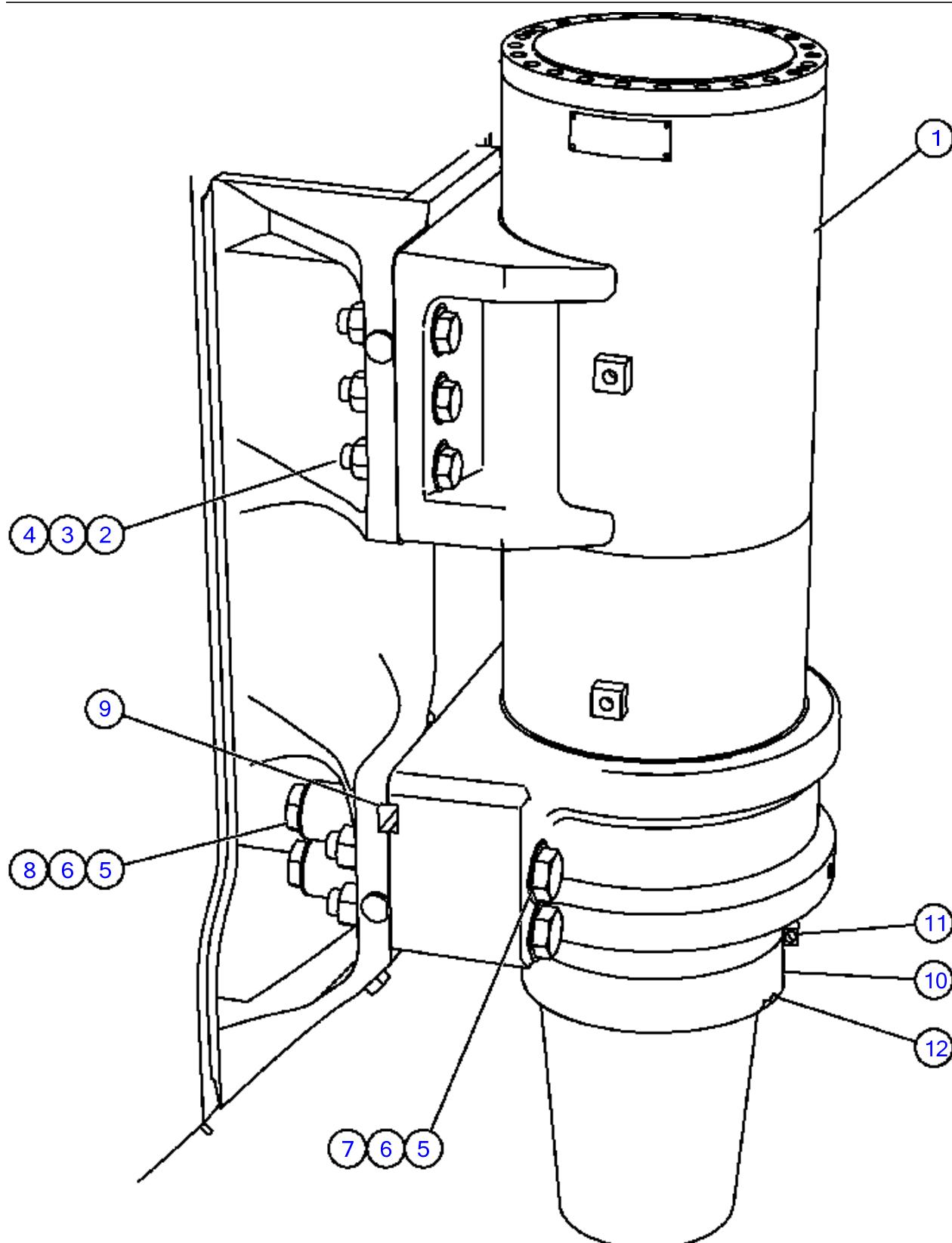
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AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## FRONT WHEEL & MOUNTING

Item	Part No	Description	Qty	Page
1	EH5760	PLATE, BENT	1	
2	AK5188	RIM ASSEMBLY (SEE FIG 56033)	1	116
3	PC0580	SPUD, COLLIE	1	
4	PC0579	CONNECTOR, SWIVEL NUT	1	
5	C1547	FLAT WASHER - 3/8"	1	
6	C0312	LOCKWASHER - 3/8"	1	
7	C1601	CAPSCREW - 3/8" - 16NC X 3/4"	1	
8	PC0583	HOUSING, CORE	1	
	WA2670	CAP, VALVE	1	
9	PC0581	EXTENSION, FLEXIBLE	1	
10	EH0826	STUD W/ HEAD (1)		57
11	WB1134	NUT - 1 1/4" - 7NC (1)		57
NS	AK9012	NOTE: (1) INCLUDED IN AK9012 FRONT WHEEL GROUP HARDWARE KIT. (QUANTITIES SHOWN ARE FOR ONE SIDE ONLY.)		
NS				

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

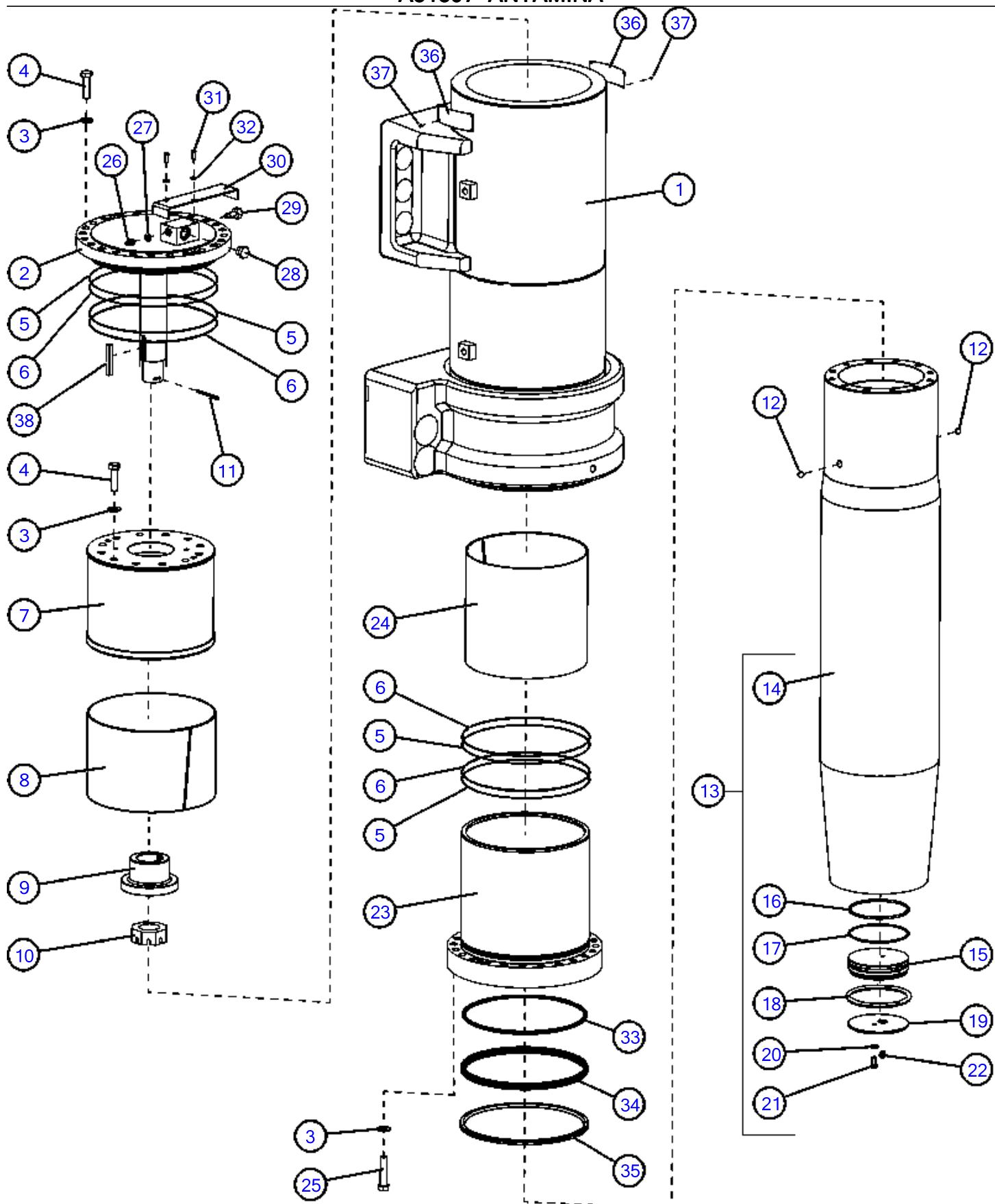


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## FRONT SUSPENSION & MOUNTING

Item	Part No	Description	Qty	Page
1	XB3916	FRONT SUSPENSION ASSEMBLY (SEE INDEX)	1	102
2	VN9193	CAPSCREW - 1 1/2" - 6NC X 6 1/2" (1)	6	
3	WA0368	FLAT WASHER - 1 1/2" (HARDENED) (1)	12	
4	WA0404	NUT - 1 1/2" - 6NC (1)	6	
5	WA0370	FLAT WASHER - 1 3/4" (HARDENED) (1)	12	
6	EL5422	CAPSCREW - 1 3/4" - 5NC X 14 1/2" (1)	8	
7	WA0405	NUT - 1 3/4" - 5NC (1)	4	
8	EL7295	SPACER (1)	4	
9	ED7916	KEY, SHEAR (1)	1	
10	EF3373	BOOT (1)	1	
11	WA1094	CLAMP, T-BOLT (1)	2	
12	EF3374	WIRE, BOOT (1)	1	
NS		NOTE: NS = NOT SHOWN		
NS	WA3925	DECAL, HYDRAIR II	1	
NS	AK9012	NOTE: (1) INCLUDED IN AK9012 FRONT WHEEL GROUP HARDWARE KIT. (QUANTITIES SHOWN ARE FOR ONE SIDE ONLY.)		

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

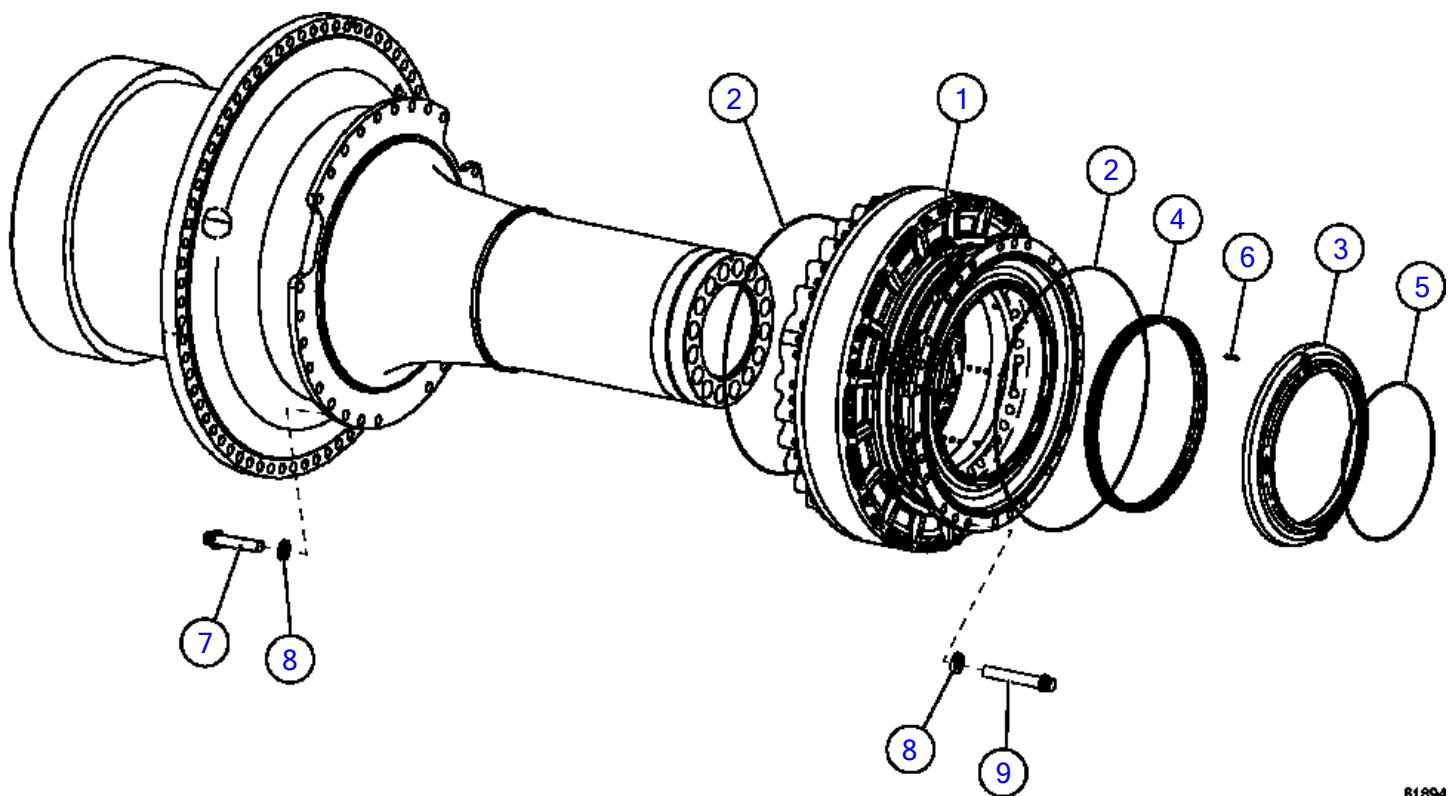


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## FRONT SUSPENSION ASSEMBLY      XB3916

Item	Part No	Description	Qty
1	EM0262	HOUSING	1
2	EH6541	CAP, SUSPENSION	1
3	WA0363	FLAT WASHER - 7/8" (HARDENED)	60
4	VN9105	CAPSCREW - 7/8" - 9NC X 3"	36
5	WA1282	RING, BACKUP (1)	4
6	WA5668	SEAL, O-RING (1)	4
7	EL6233	RETAINER, UPPER BEARING	1
8	PC2413	BEARING, UPPER	1
9	EH6529	STOP, PISTON	1
10	VW4451	NUT	1
11	VC2629	LOCKPIN	1
12	H2981	BALL, STEEL	2
13	XB3918	PISTON ASSEMBLY	1
14	XB3919	· PISTON	1
15	EM3159	· PLUG, PISTON	1
16	WA0443	· SEAL, O-RING	1
17	WA1443	· RING, BACKUP	1
18	EM1585	· RING, RETAINER	1
19	EM1600	· PLATE, RETAINER	1
20	WA0360	· FLAT WASHER - 1/2" (HARDENED)	1
21	VN9032	· CAPSCREW - 1/2" - 13NC X 1"	1
22	VM0314	· PLUG	1
23	EJ2182	RETAINER, LOWER BEARING	1
24	PC2414	BEARING, LOWER	1
25	VN9141	CAPSCREW - 7/8" - 9NC X 4"	24
26	PB2194	CHARGING VALVE ASSEMBLY (1)/(2)	1
	TR9993	· CAP, VALVE	1
	TD7179	· CORE, VALVE	1
	TF1144	· O-RING, HOUSING	1
	WA0052	· O-RING, VALVE STEM	1
27	VD5076	GASKET, FLAT (1)/(2)	1
28	TY8879	PLUG, VENT	1
29	TZ8637	PLUG	1
30	EM9996	COVER, PROTECTOR	1
31	C1602	CAPSCREW - 3/8" - 16NC X 1"	2
32	DF3042	FLAT WASHER - 3/8"	2
33	PC0470	SEAL, BUFFER (1)	1
34	PC0469	SEAL, DOUBLE LIP (1)	1
35	PC0471	SEAL, WIPER (1)	1
36		PLATE, DANGER	2
37	R1073	DRIVE SCREW - #6 X .187	8
38	EH6536	KEY	1
NS		NOTE: NS = NOT SHOWN	
NS	AK4065	SUSP OIL W/ FRICTION MODIFIER (5 GAL) (COLD WEATHER)	6
NS	AK4066	SUSP OIL W/ FRICTION MODIFIER (55 GAL) (COLD WEATHER)	1
NS	AK4308	NOTE: (1) INCLUDED IN AK4308 SEAL KIT.	
NS	RK1887	(2) INCLUDED IN RK1887 CHARGING VALVE KIT.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



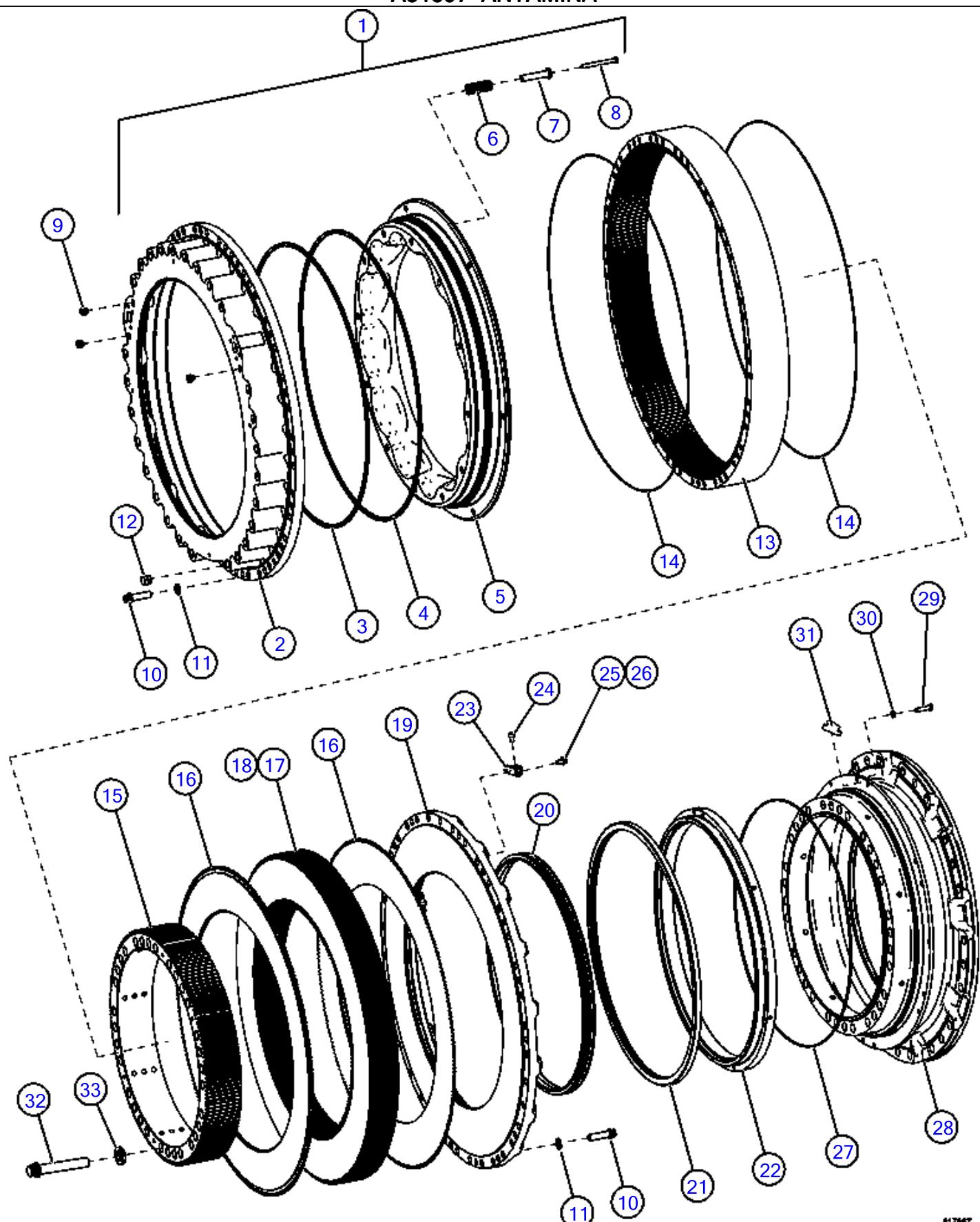
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## REAR BRAKE MOUNTING

Item	Part No	Description	Qty	Page
1	XB0834	REAR BRAKE ASSEMBLY (SEE INDEX)	1	106
2	EH7196	SEAL, O-RING	2	
3	EH0856	CARRIER, SEAL	1	
4	PC0179	SEAL ASSEMBLY	1	
	ED3347	• TOOL, INSTALLATION (1)	1	
	BF4081	• SEAL, TORIC	2	
	BF4096	• SEAL, RING	2	
5	EH7193	O-RING	1	
6	SL7740	ROLLPIN	1	
7	GE0082	CAPSCREW - 1 1/4" - 12NF X 3 1/2" (12 PT)	27	
8	GE0449	FLAT WASHER - 1 1/4"	54	
9	GE0450	CAPSCREW - 1 1/4" - 12NF X 8 1/2" (12 PT)	27	
NS		NOTE: (1) NOT INCLUDED IN SEAL ASSEMBLY. (QUANTITIES SHOWN ARE FOR ONE SIDE ONLY.)		
NS				

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

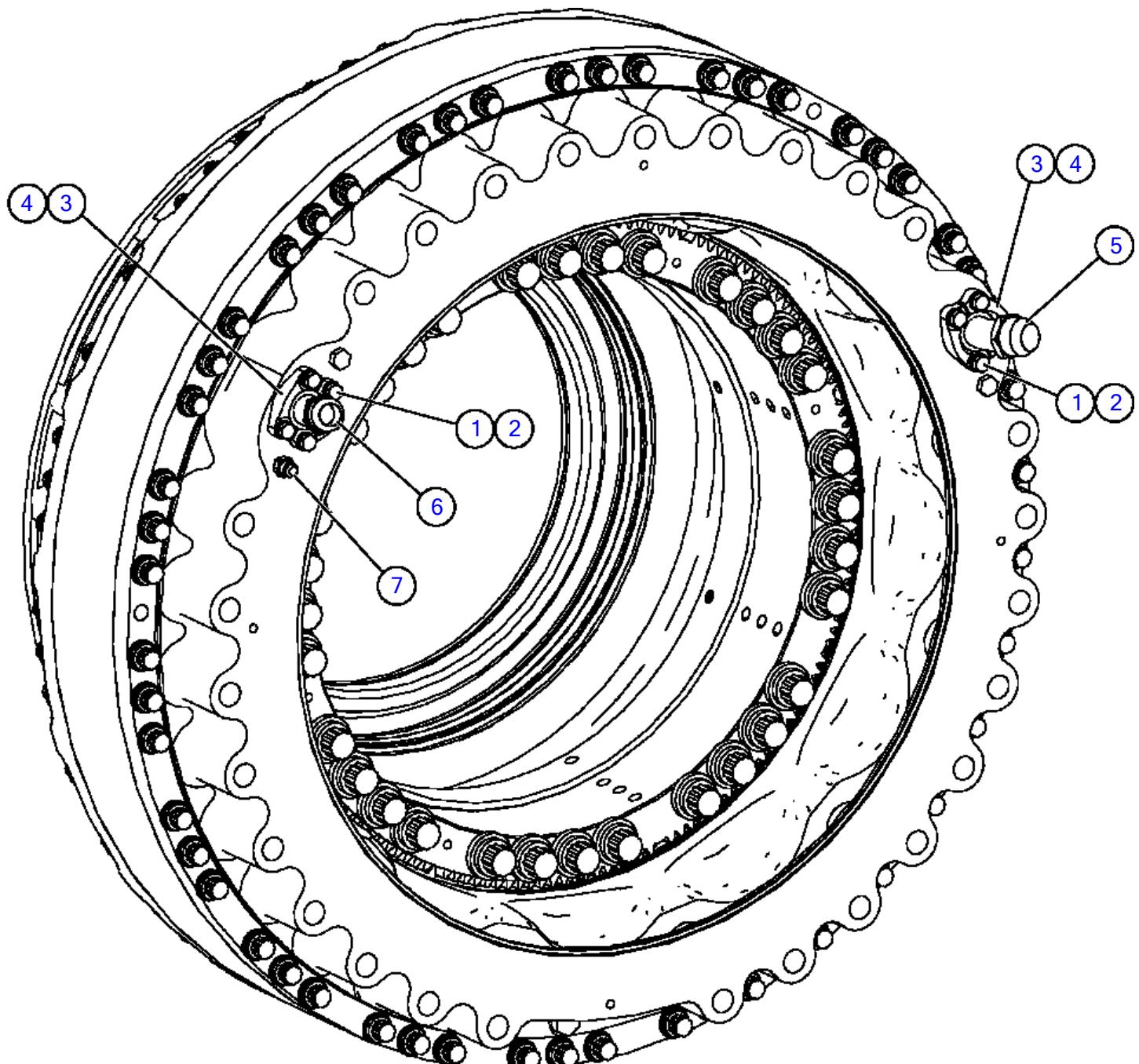


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 A31597 ANTAMINA

**REAR BRAKE ASSEMBLY XB0834**

Item	Part No	Description	Qty
1	EJ6749	PISTON AND HOUSING ASSEMBLY	1
2	EJ6748	• HOUSING, PISTON	1
3	PC1143	• SEAL	1
4	PC1144	• SEAL	1
5	EG4953	• PISTON	1
6	PB8864	• SPRING	12
7	ED3327	• GUIDE, SPRING	12
8	VL1222	• CAPSCREW - 1/2" - 13NC X 5"	12
9	VM0315	PLUG	3
10	WA1589	CAPSCREW - 7/8" - 9NC X 3" (12 PT)	102
11	WA5659	FLAT WASHER - SPECIAL (HARDENED)	102
12	VM0317	PLUG	1
13	ED3339	GEAR, RING	1
14	EH7197	SEAL, O-RING	2
15	ED3343	GEAR, INNER	1
16	EM8367	DAMPER (1)	2
17	EM8365	DISC, SEPARATOR (1)	9
18	EM8366	DISC, FRICTION (1)	10
19	EL9170	PLATE, BACK	1
20	PC0651	SEAL ASSEMBLY	1
	BF4837	• SEAL, TORIC	2
	BF4116	• RING, SEAL	2
	BF4117	• TOOL, INSTALLATION (2)	1
21	PC1431	SEAL, OIL	1
22	EK5888	CARRIER, SEAL	1
23	EL9501	BRACKET, MOUNTING	6
24	D2930	CAPSCREW, SOCKET HEAD - 1/2" - 13NC X 3/4" (3)	6
25	C1612	CAPSCREW - 1/2" - 13NC X 1"	12
26	WA0360	FLAT WASHER - 1/2" (HARDENED)	12
27	EH7195	SEAL, O-RING	1
28	EH0857	ADAPTER, HUB	1
29	VN9065	CAPSCREW - 1/2" - 13NC X 2"	12
30	C1540	LOCKWASHER - 1/2"	12
31	ED3755	SHIM - .020	60
	ED3756	SHIM - .010	6
32	WA5660	CAPSCREW - 1 1/4" - 12NF X 7 1/2" (12 PT)	32
33	TY2149	FLAT WASHER (HARDENED)	32
NS	XK1161	NOTE: (1) INCLUDED IN XK1161 BRAKE DISC KIT. (2) NOT INCLUDED IN SEAL ASSEMBLY. (3) USED FOR ASSEMBLY AND STORAGE ONLY. REMOVE WHEN INSTALLED ON THE TRUCK.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



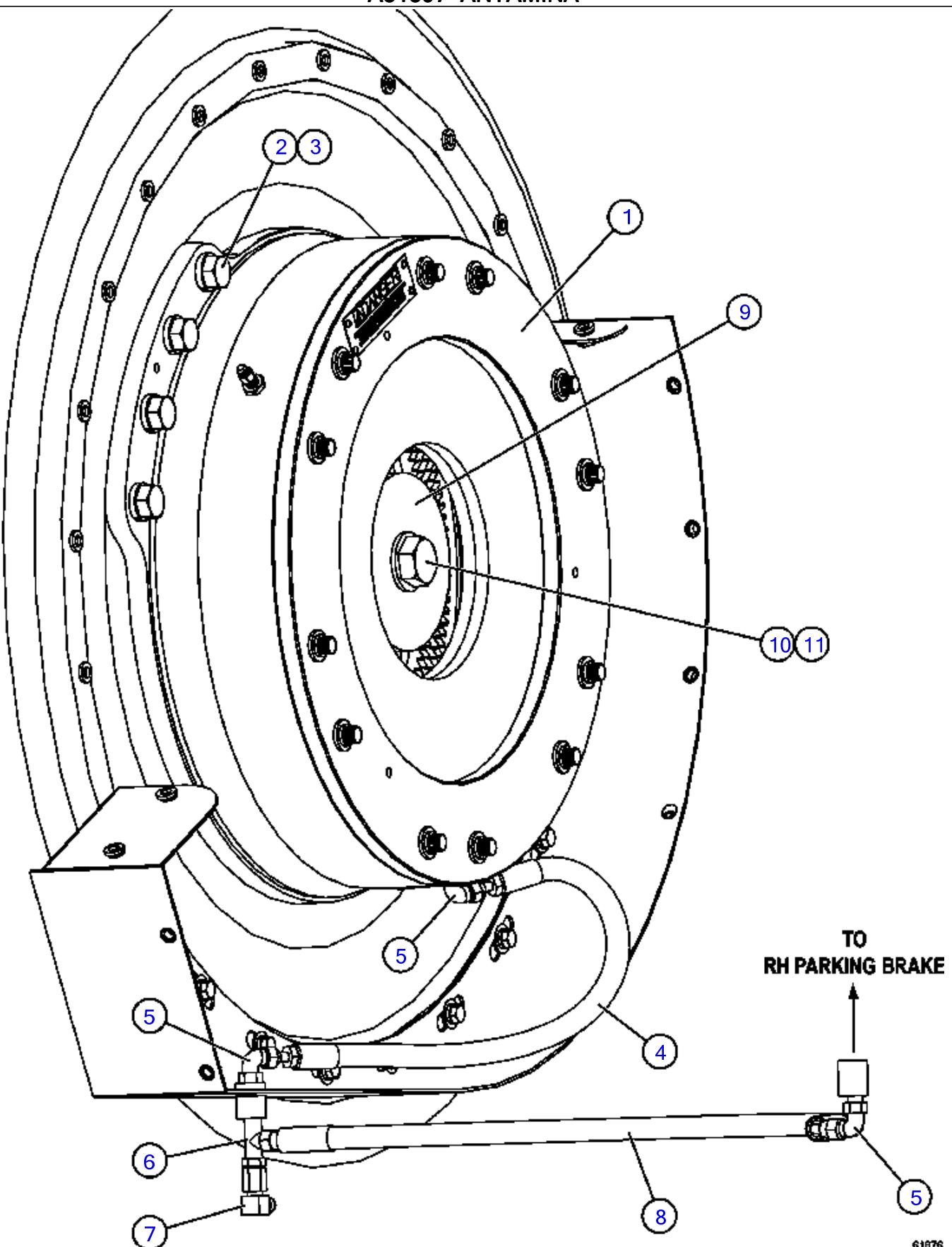
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AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### REAR BRAKE PORTS

Item	Part No	Description	Qty
1	C1614	CAPSCREW - 1/2" - 13NC X 1 1/2"	8
2	C1540	LOCKWASHER - 1/2"	8
3	TF8090	CLAMP, SPLIT FLANGE - 1 1/2"	4
4	WA3574	O-RING	2
5	EF9609	TUBE	1
6	ED6514	TUBE	1
7	WB0584	FITTING, STRAIGHT (QUANTITIES SHOWN ARE FOR ONE BRAKE ONLY.)	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

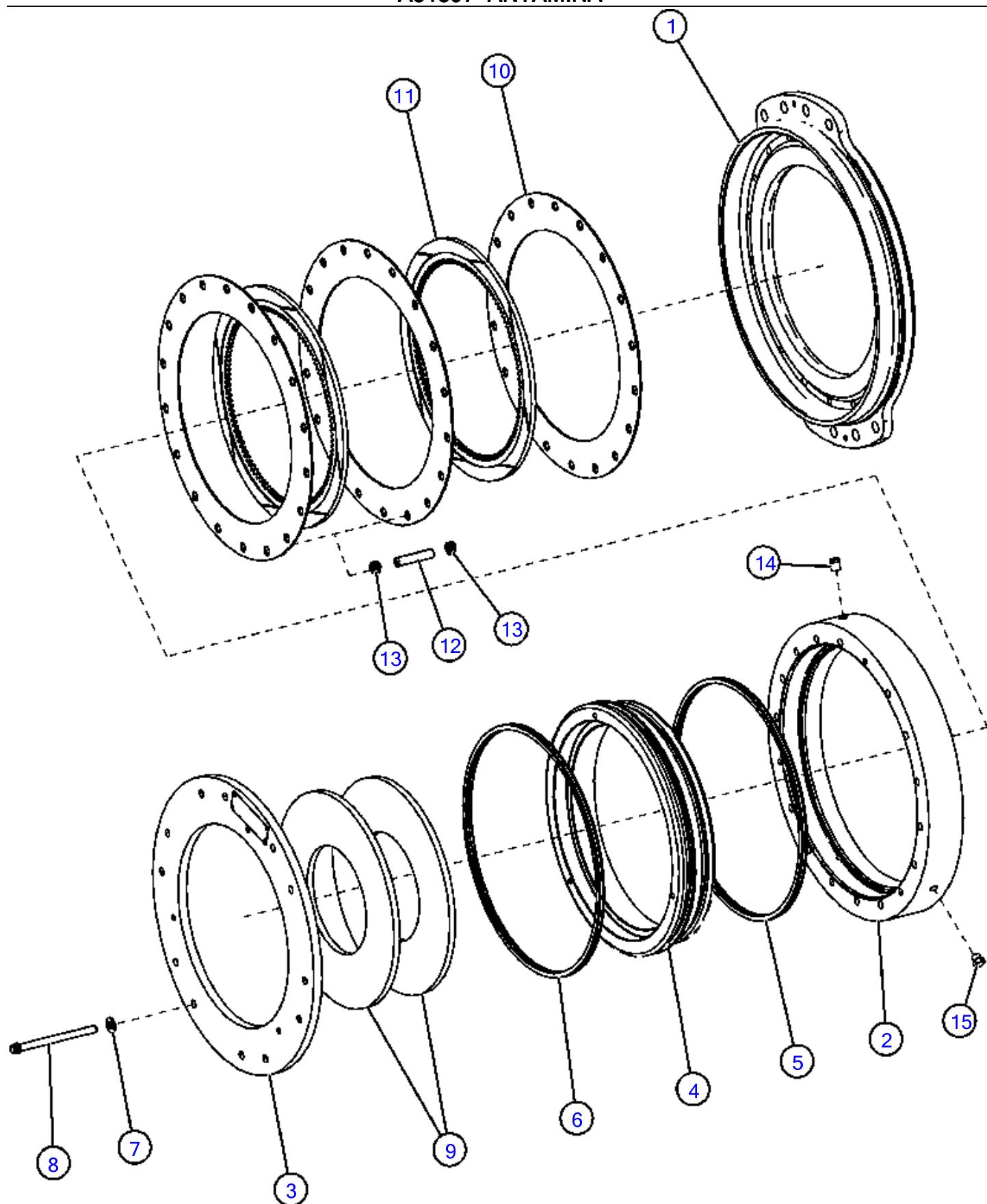


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## PARKING BRAKE INSTALLATION

Item	Part No	Description	Qty	Page
1	XB0922	PARKING BRAKE ASSEMBLY (SEE INDEX)	2	112
2	C1645	CAPSCREW - 3/4" - 10NC X 2 1/4"	16	
3	C1542	LOCKWASHER - 3/4"	16	
4	HA7110	HOSE	2	
5	WB0505	FITTING, ELBOW - 90 DEG	5	
6	WB0556	FITTING, TEE	1	
7	WB0374	FITTING, ELBOW - 90 DEG	1	
8	HA5579	HOSE	1	
9	ED8794	PLATE, RETAINER (PARKING BRAKE ADAPTER)	1	
10	WA0364	FLAT WASHER - 1" (HARDENED)	1	
11	D2781	CAPSCREW - 1" - 8NC X 2 3/4"	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



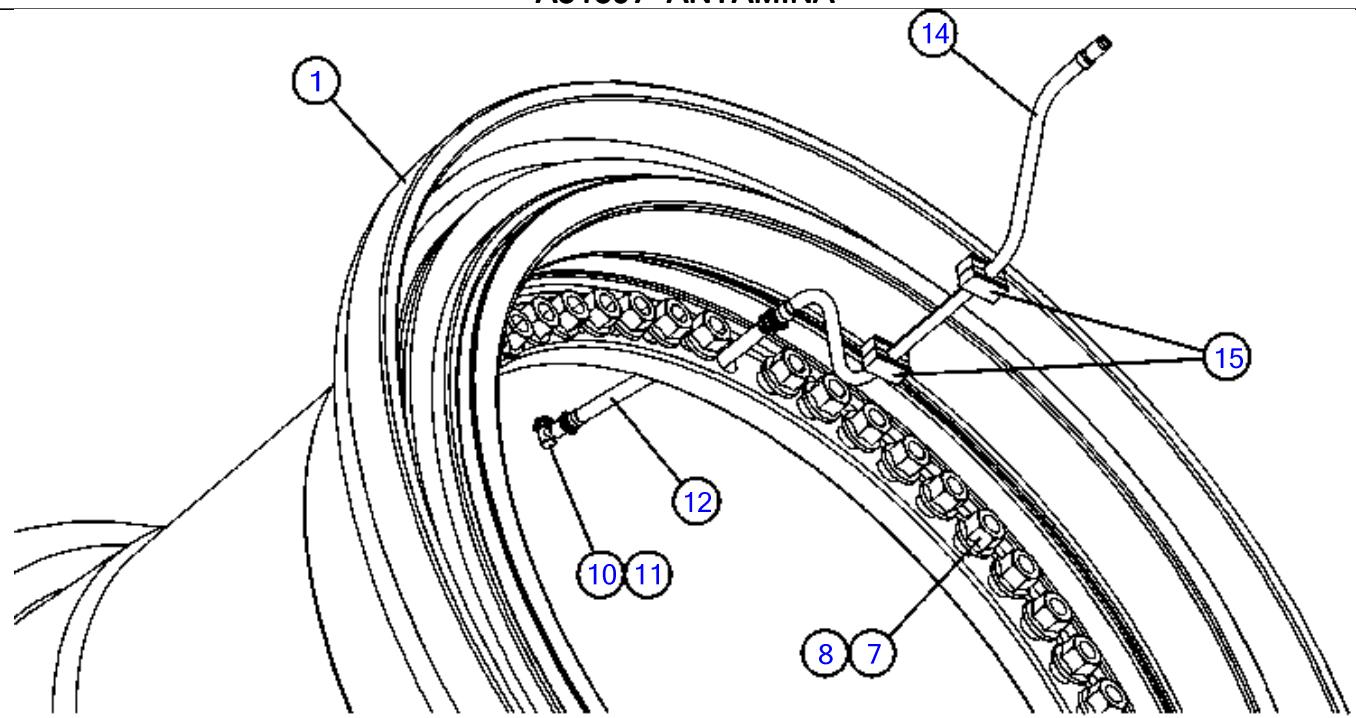
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 A31597 ANTAMINA

PARKING BRAKE ASSEMBLY

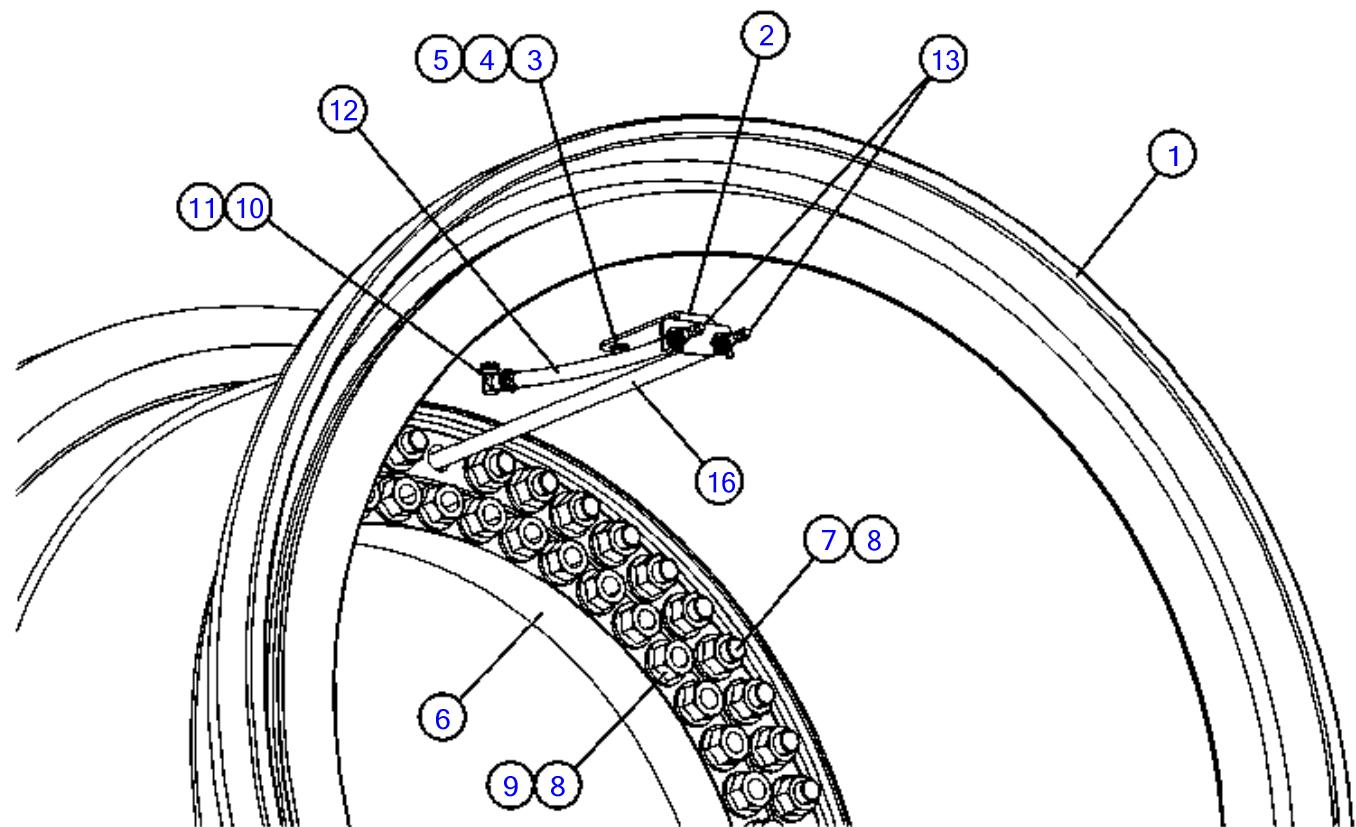
XB0922

Item	Part No	Description	Qty
1	ED4280	HOUSING	1
2	EF6158	HOUSING, PISTON	1
3	ED5327	CAP, END	1
4	EF6157	PISTON	1
5	PB9661	SEAL	1
6	PB9662	SEAL	1
7	WA0360	FLAT WASHER - 1/2" (HARDENED)	12
8	WA5664	CAPSCREW - 1/2" - 13NC X 6 1/2" (12 PT)	12
9	ED4300	SPRING, BELLEVILLE	2
10	EM8373	DISC, SEPARATOR	3
11	EM8372	DISC, FRICTION	2
12	VG7407	PIN, DOWEL	6
13	WA5665	SPRING, COMPRESSION	12
14	PB7509	SCREW, BLEEDER	1
	EF6161	PLUG, ADAPTER	1
15	VM0314	PLUG	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA



INNER RIM



OUTER RIM

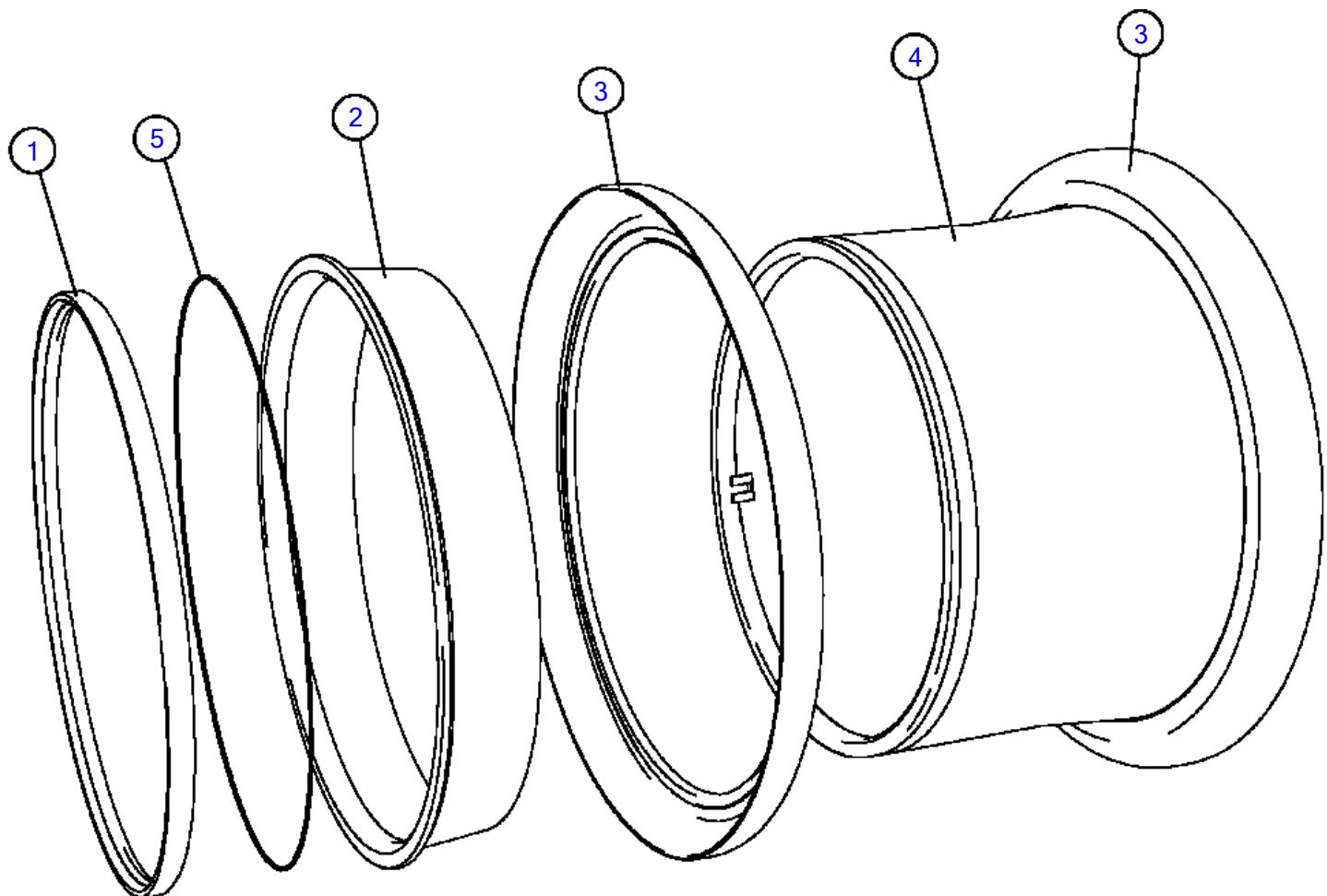
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## REAR WHEELS & MOUNTING

Item	Part No	Description	Qty	Page
1	AK5188	RIM ASSEMBLY (SEE FIG 56033)	2	116
2	EJ2283	PLATE, BENT	1	
3	C1547	FLAT WASHER - 3/8"	2	
4	C1601	CAPSCREW - 3/8" - 16NC X 3/4"	2	
5	C0312	LOCKWASHER - 3/8"	2	
6	EJ5600	ADAPTER, RING ASSEMBLY (OUTER)	1	
	EJ5599	· RING, ADAPTER	1	
7	EH0826	· STUD W/ HEAD	114	
8	WB1134	NUT - 1 1/4" - 7NC	168	
9	EM5451	STUD - 1 1/4" - 7NC X 10 13/16"	54	
10	PC0579	CONNECTOR, SWIVEL NUT	2	
11	PC0580	SPUD, COLLIE	2	
12	PC0581	EXTENSION, FLEXIBLE	2	
13	PC0583	HOUSING, CORE	3	
14	PC1480	EXTENSION, BENT	1	
15	WA4706	CLAMP, HYDRA ZORB - 3/4"	2	
16	PC0663	EXTENSION, FLEXIBLE (OUTER) (QUANTITIES SHOWN ARE FOR ONE SIDE ONLY.)	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

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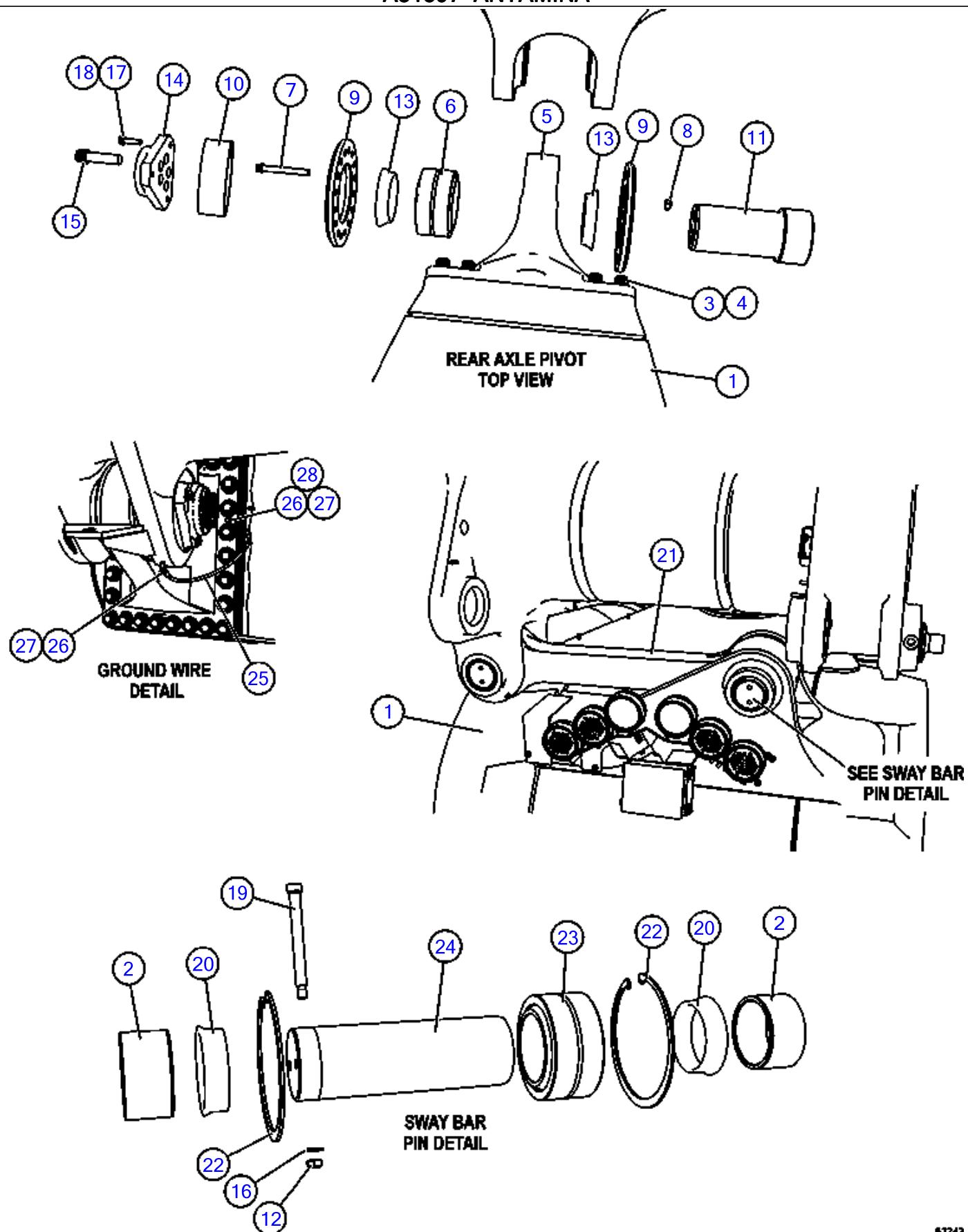
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 A31597 ANTAMINA

### RIM ASSEMBLY, TAPER LOCK

Item	Part No	Description	Qty	Page
0	AK5188	RIM ASSEMBLY (SEE FIG 56033)	1	116
1	AK4790	• RING, LOCK - 63"	1	
2	AK4791	• BAND, BEAD SEAT - 63"	1	
3	AK5178	• RING, SIDE	2	
4	AK4797	• RIM BASE - 63" X 36"	1	
5	WB1139	O-RING - 63" (QUANTITIES SHOWN ARE FOR ONE WHEEL ONLY.)	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

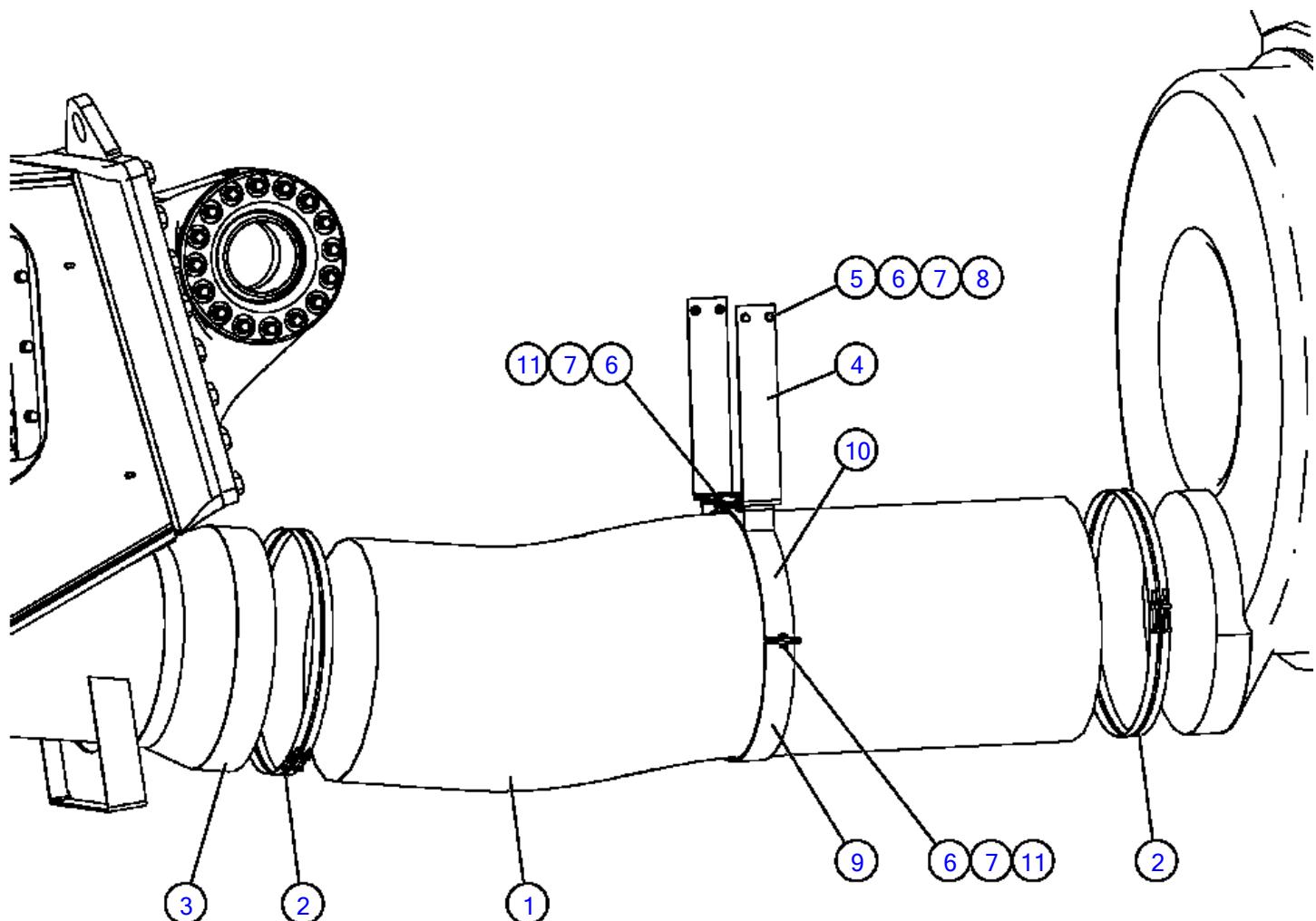


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## REAR AXLE INSTALLATION

Item	Part No	Description	Qty
1	XC2583	AXLE HOUSING ASSEMBLY	1
2	TX8110	SLEEVE (2)	2
3	WB1162	CAPSCREW - 1 1/4" - 7NC X 3" (12 PT)	28
4	WA0366	FLAT WASHER - 1 1/4" (HARDENED)	28
5	XB2450	PIVOT EYE ASSEMBLY	1
	XB2449	· EYE, PIVOT	1
6	PC1291	· BEARING (1)	1
7	WB1154	· CAPSCREW - 3/4" - 10NC X 6" (12 PT) (1)	14
8	VL2993	· LOCKNUT - 3/4" - 10NC (1)	14
9	EL0047	· RETAINER, BEARING (1)	2
10	ED4952	SLEEVE (1)	1
11	EK0867	PIN, PIVOT (1)	1
12	VN9952	LOCKNUT - 5/8" - 11NC (2)	2
13	EG3028	SPACER (1)	2
14	EK0866	PLATE, LOCKING (1)	1
15	WB1059	CAPSCREW - 1 1/4" - 7NC X 4 1/2" (12 PT) (1)	5
16	WA0361	FLAT WASHER - 5/8" (HARDENED) (2)	2
17	VN9087	CAPSCREW - 5/8" - 11NC X 2 1/2" (1)	3
18	C1541	LOCKWASHER - 5/8" (1)	3
19	EM8109	SHOULDER BOLT - 5/8" - 11NC X 7.16" (FRAME END) (2)	1
	EM8110	SHOULDER BOLT - 5/8" - 11NC X 6.73" (AXLE END) (2)	1
20	TY2734	SPACER (2)	4
21	EH7812	ANTI-SWAY BAR W/ BEARINGS	1
	EH7813	· BAR, ANTI-SWAY	1
22	VN9351	· RING, RETAINER (2)	4
23	PB0027	· BEARING, SPHERICAL (2)	2
24	EH7811	PIN, BEARING (2)	2
25	XB2497	WIRE, GROUND (PIVOT EYE TO FRAME)	1
26	MM0471	LOCKWASHER - M10	2
27	MM0178	NUT - M10 X 1.50	1
28	MM0603	CAPSCREW - M10 X 1.50 X 16	1
NS	AK5258	NOTE: (1) INCLUDED IN AK5258 NOSE CONE PIN KIT.	
NS	AK5672	(2) INCLUDED IN AK5672 PANHARD PIN KIT.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



61496Z

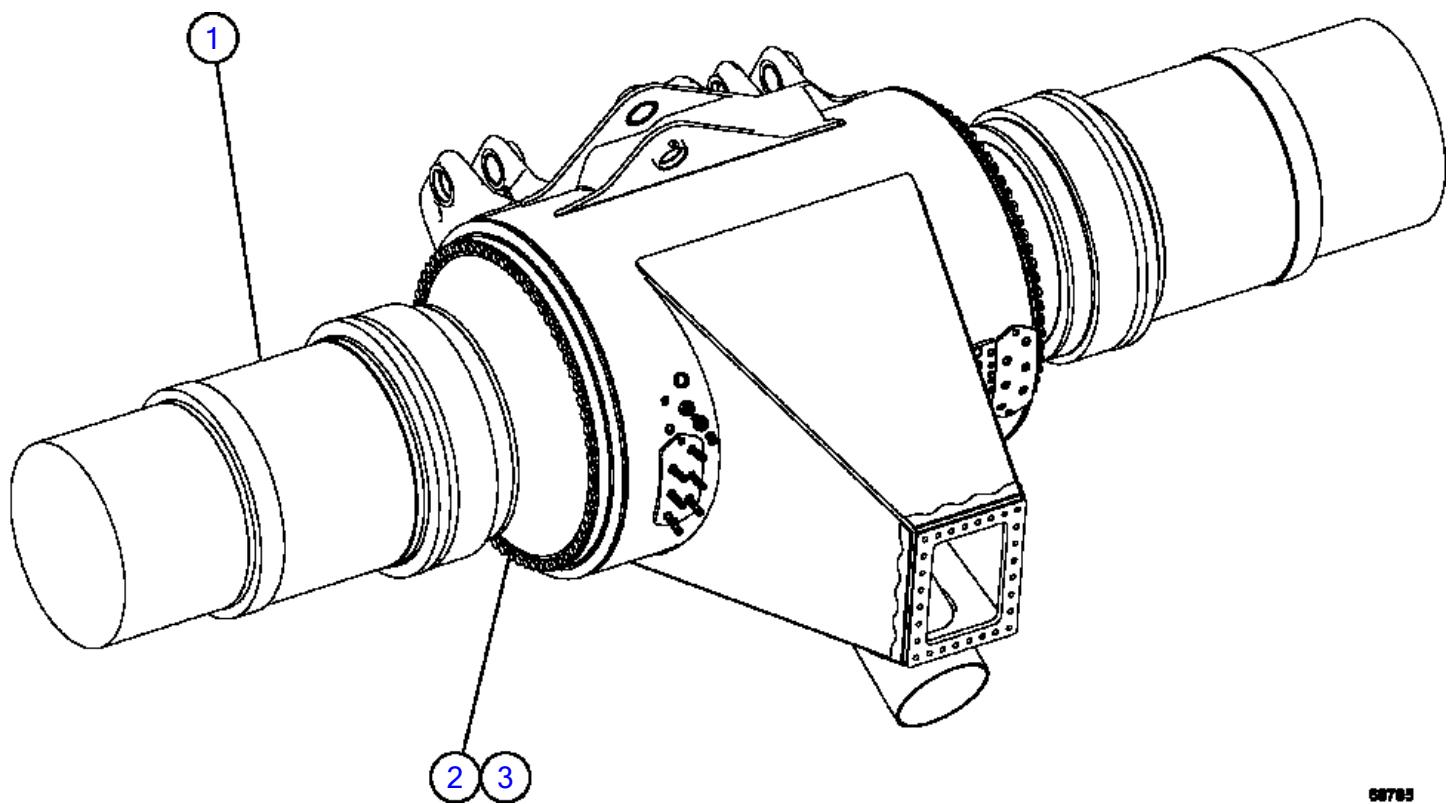
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### AXLE AIR BLOWER HOSE INSTALLATION

Item	Part No	Description	Qty
1	EM8709	HOSE, AXLE AIR BLOWER	1
2	WB1191	CLAMP, T-BOLT	4
3	EJ9729	ADAPTER (1)	1
4	EL0159	BRACKET, SUPPORT	1
5	MM0607	CAPSCREW - M10 X 1.50 X 35	4
6	MM0461	FLAT WASHER - M10	14
7	MM0471	LOCKWASHER - M10	10
8	MM0178	NUT - M10 X 1.50	4
9	EJ1949	STRAP	1
10	EJ1946	BRACKET	1
11	MM0606	CAPSCREW - M10 X 1.50 X 30	6
NS		NOTE: (1) WELD-ON COMPONENT OF THE AXLE HOUSING.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

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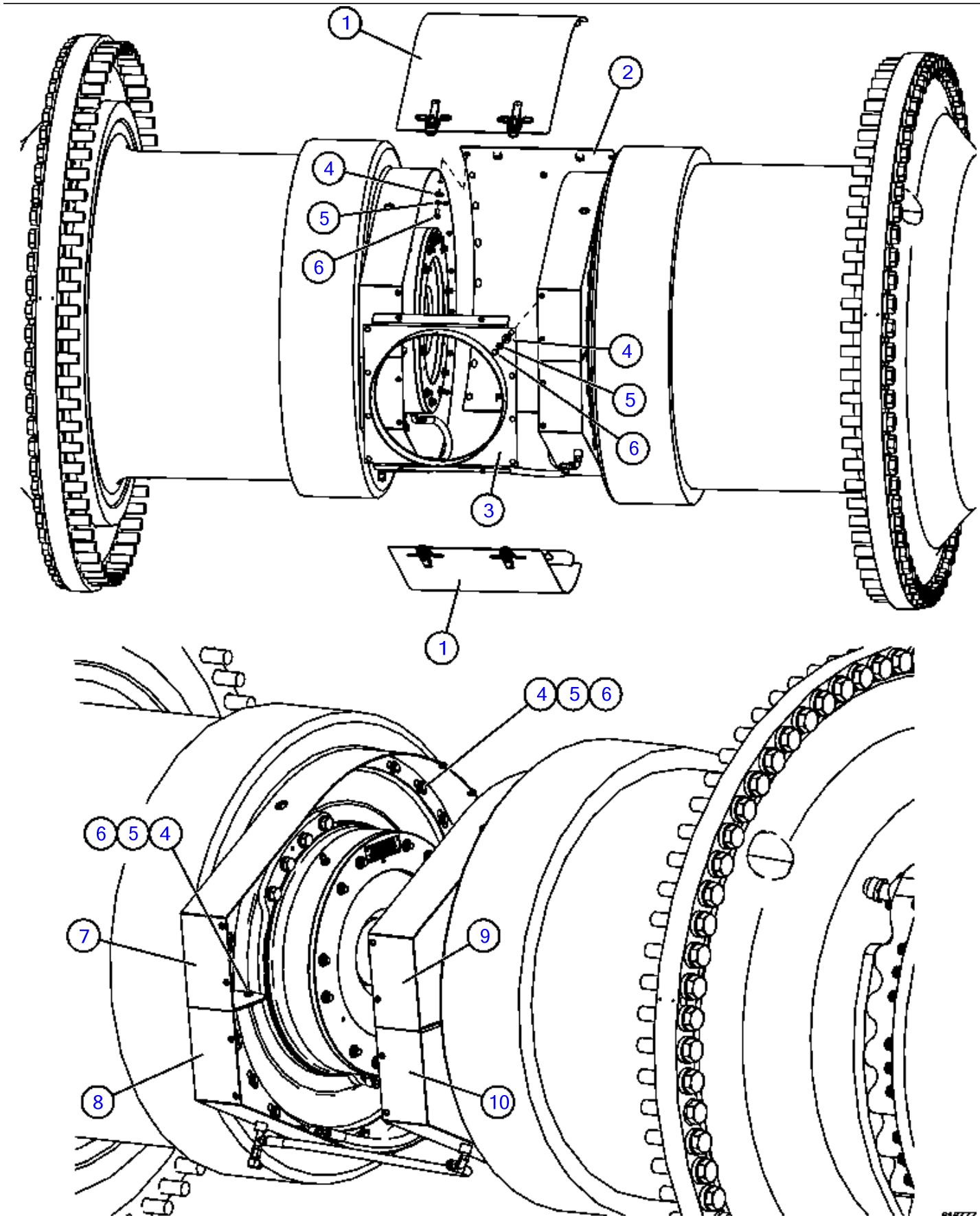
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## WHEEL MOTOR MOUNTING

Item	Part No	Description	Qty	Page
1	58F-30-00021	WHEEL MOTOR & BRAKE ASSEMBLY	1	
	58F-30-00001	• WHEEL MOTOR ASSEMBLY (SEE FIG 64304)	1	694
	XB0835	• REAR BRAKE MOUNTING (SEE FIG 61894)	1	104
2	EF3368	FLAT WASHER (HARDENED) (1)	140	
3	VN3275	CAPSCREW - 1 1/4" - 7NC X 5 1/2" (1)	140	
NS	AK9022	NOTE: (1) INCLUDED IN AK9022 WHEEL MOTOR INSTALLATION KIT.		

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

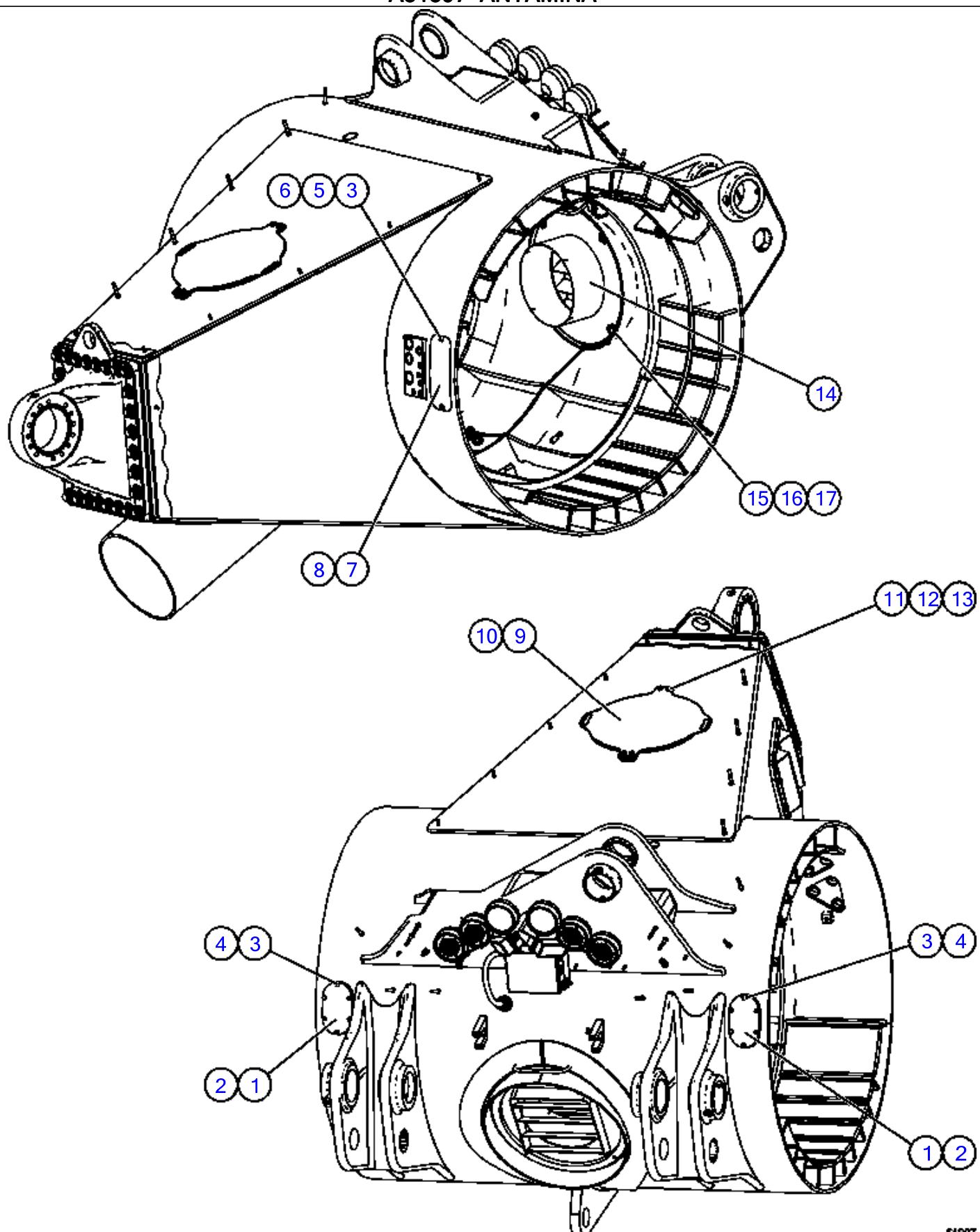


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## REAR WHEEL COOLING AIR ADAPTER

Item	Part No	Description	Qty
1	EF9598	COVER	2
2	EF9590	WRAPPER, INNER	1
3	EF9558	TUBE	1
4	C1547	FLAT WASHER - 3/8"	74
5	C0312	LOCKWASHER - 3/8"	74
6	C1601	CAPSCREW - 3/8" - 16NC X 3/4"	74
7	EF9573	MOUNT, UPPER L.H.	1
8	EF9576	MOUNT, LOWER L.H.	1
9	EF9564	MOUNT, UPPER R.H.	1
10	EF9570	MOUNT, LOWER R.H.	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

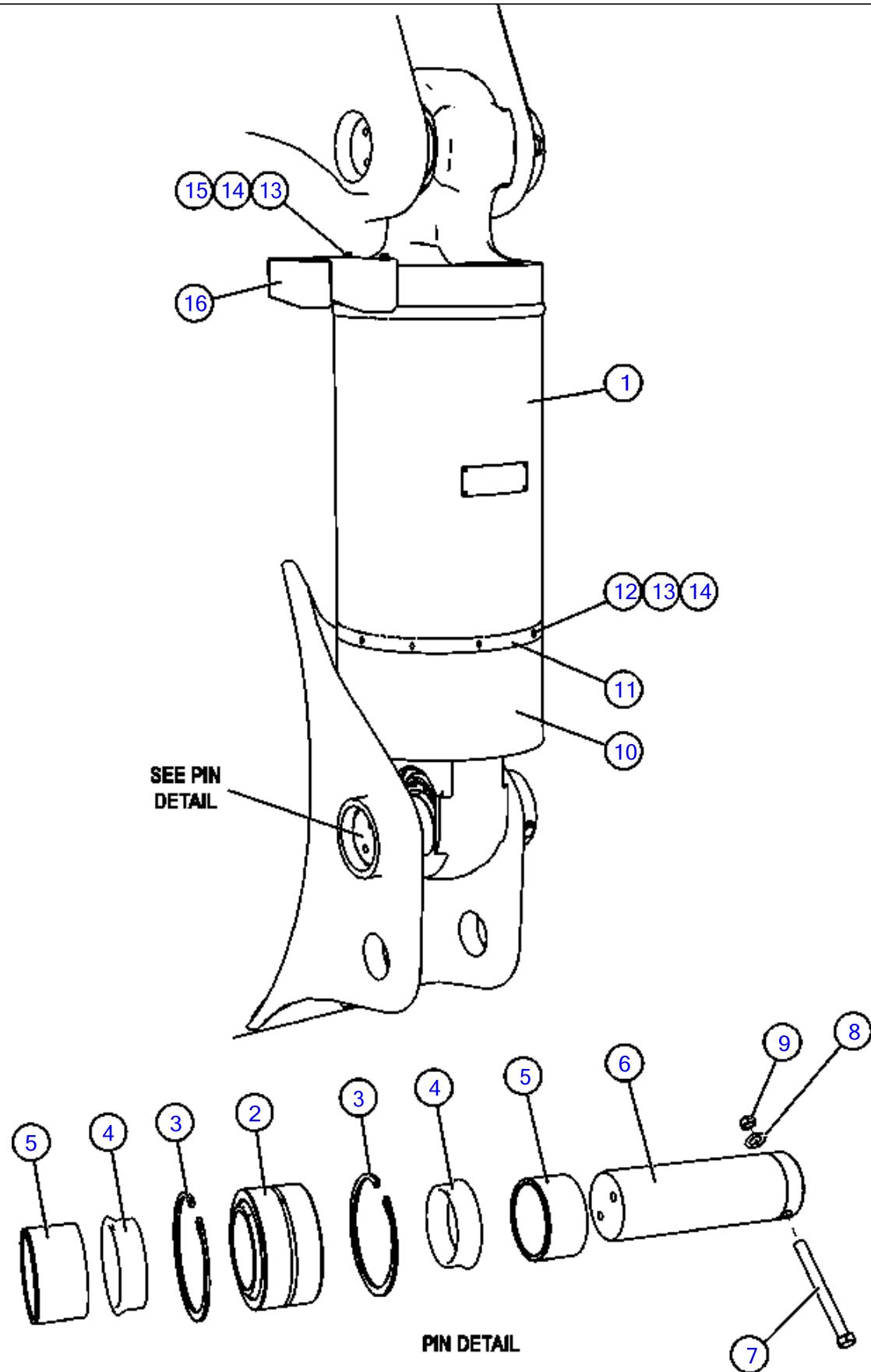


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### AXLE HOUSING ACCESS COVERS

Item	Part No	Description	Qty
1	EF0706	PLATE, COVER	2
2	EF6612	GASKET	2
3	TC1231	LOCKWASHER - 3/8"	14
4	TG5720	CAPSCREW - 3/8" - 16NC X 1"	12
5	C1547	FLAT WASHER - 3/8"	2
6	TD0789	CAPSCREW - 3/8" - 16NC X 1 3/4"	2
7	EG0556	PLATE, COVER	1
8	EG0557	GASKET	1
9	XB5410	PLATE, COVER	1
10	XB5417	GASKET	1
11	MM0604	CAPSCREW - M10 X 1.50 X 20	4
12	MM0461	FLAT WASHER - M10	4
13	MM0471	LOCKWASHER - M10	4
14	EH7960	TUBE	1
15	VC6561	CAPSCREW - 1/2" - 13NC X 1 1/2"	4
16	TR5445	LOCKWASHER - 1/2"	4
17	VC7836	FLAT WASHER - 1/2"	4

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



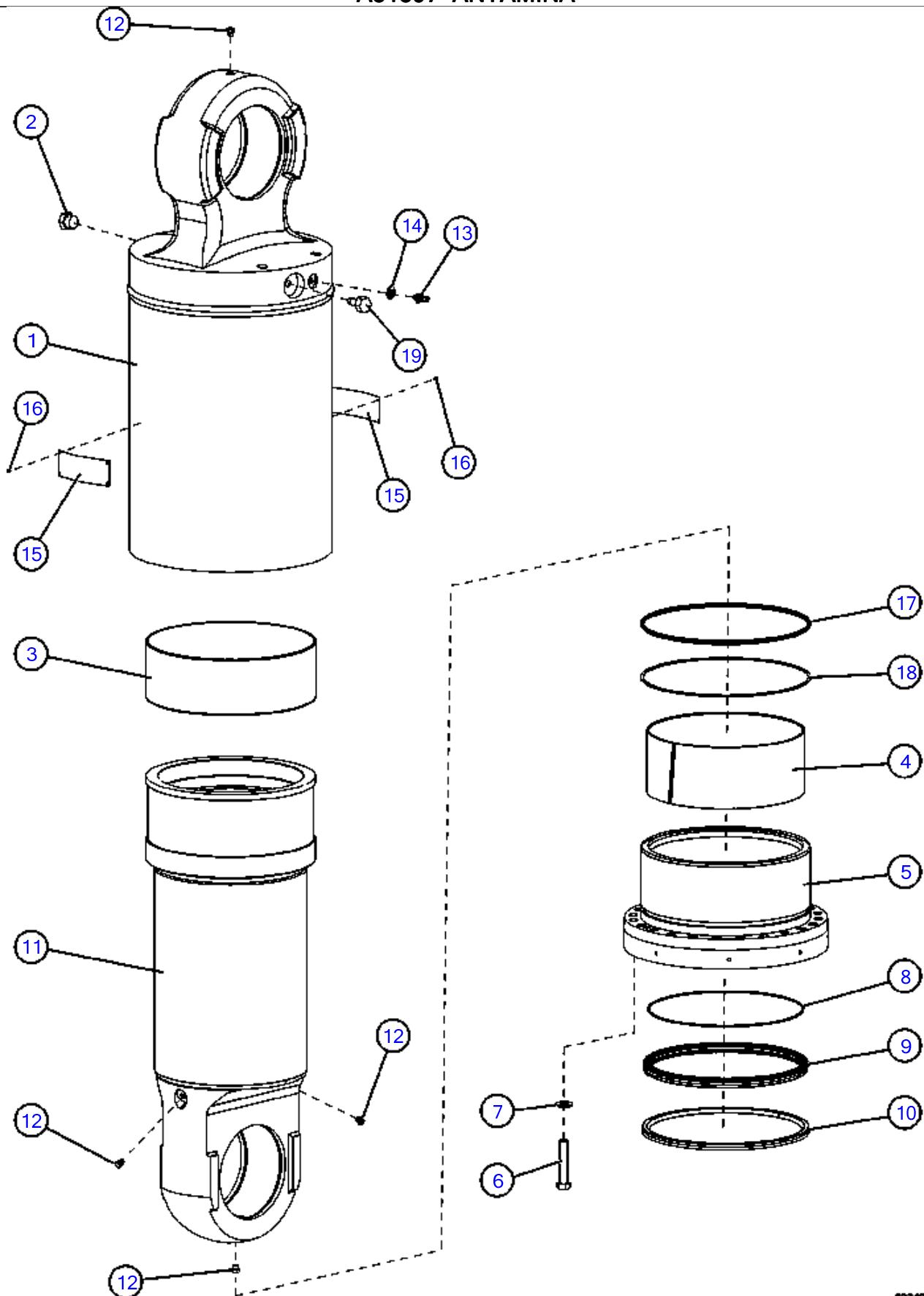
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## REAR SUSPENSION & MOUNTING

Item	Part No	Description	Qty	Page
0	EM8845	REAR SUSPENSION W/ BEARINGS	1	
1	EM8847	• REAR SUSPENSION ASSEMBLY (1) (SEE INDEX)	1	
2	PC0824	• BEARING, SPHERICAL (2)	2	
3	SV5921	• SNAP RING (2)	4	
4	EH7936	SPACER (2)	4	
5	EH7934	SLEEVE, PIN (2)	2	
6	EJ2846	PIN, BEARING (2)	2	
7	EM8108	SHOULDER BOLT - 5/8" - 11NC X 7.72" (2)	1	
8	WA0361	FLAT WASHER - 5/8" (HARDENED) (2)	2	
9	VN9952	LOCKNUT - 5/8" - 11NC (2)	2	
10	XB5488	MUD FLAP	1	
11	EJ5117	BAR, FLAT	1	
12	DC7524	CAPSCREW - 3/8" - 16NC X 7/8"	5	
13	C0312	LOCKWASHER - 3/8"	7	
14	WA0720	FLAT WASHER - 3/8" (HARDENED)	7	
15	C1603	CAPSCREW - 3/8" - 16NC X 1 1/4"	2	
16	EJ6733	COVER, REAR SUSPENSION (3)	1	
	58E-97-00030	COVER, REAR SUSPENSION (4)	1	
NS		NOTE: NS = NOT SHOWN		
NS	WA3925	DECAL, HYDRAIR II	1	
NS		NOTE: (1) NOT SERVICED SEPARATELY. ORDER EM8845.		
NS	AK5670	(2) INCLUDED IN AK5670 REAR SUSPENSION PIN KIT.		
NS		(3) EFFECTIVE WITH A31432 - A31466.		
NS		(4) EFFECTIVE WITH A31475 & UP.		
NS		(QUANTITIES SHOWN ARE FOR ONE SIDE ONLY.)		

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



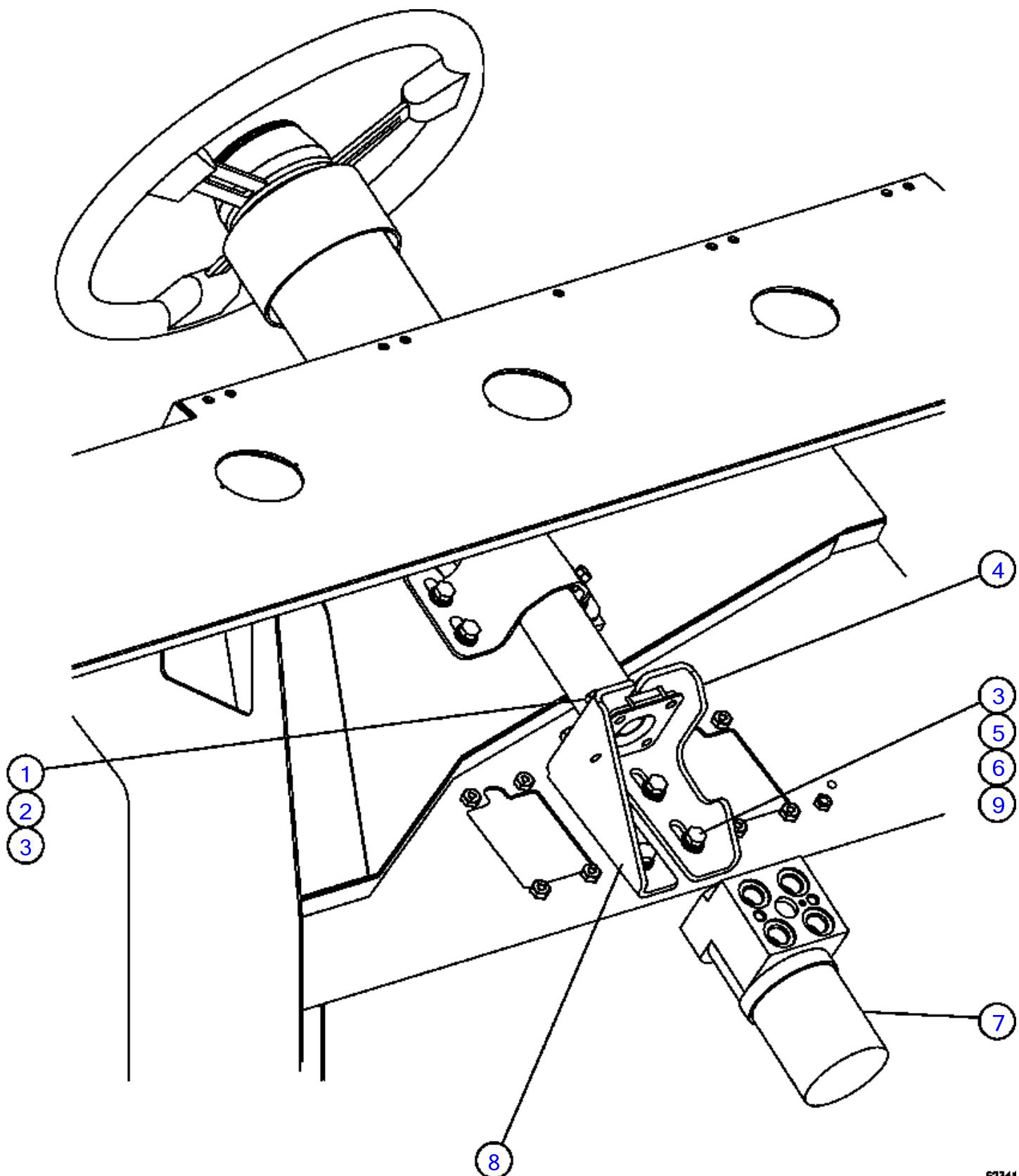
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## REAR SUSPENSION ASSEMBLY

**EM8847**

Item	Part No	Description	Qty
1	EJ2737	HOUSING	1
2	TY8879	PLUG, VENT	1
3	PC2588	BEARING, PISTON	1
4	PC2587	BEARING, ROD	1
5	EK8138	RETAINER, BEARING	1
6	VN9140	CAPSCREW - 3/4" - 10NC X 4"	24
7	WA0362	FLAT WASHER - 3/4" (HARDENED)	24
8	PC0626	SEAL, BUFFER (1)	1
9	PC0625	SEAL, DOUBLE LIP (1)	1
10	PC0627	SEAL, WIPER (1)	1
11	EL7310	PISTON	1
12	VM0313	PLUG, O-RING BOSS	4
13	PB2194	CHARGING VALVE ASSEMBLY (1)/(2)	1
	TD7179	• CORE, VALVE	1
	TR9993	• CAP, VALVE	1
	TF1144	• O-RING, HOUSING	1
	WA0052	• O-RING, VALVE STEM	1
14	VD5076	GASKET, FLAT (1)/(2)	1
15		PLATE, DANGER	2
16	WA3134	DRIVE SCREW - #6 X .187	8
17	WA0180	SEAL, O-RING (1)	1
18	PC0673	RING, BACKUP (1)	1
19	TZ8637	PLUG	1
NS		NOTE: NS = NOT SHOWN	
NS	AK4065	SUSP OIL W/ FRICTION MODIFIER (5 GAL) (COLD WEATHER)	6
NS	AK4066	SUSP OIL W/ FRICTION MODIFIER (55 GAL) (COLD WEATHER)	1
NS	AK5239	NOTE: (1) INCLUDED IN AK5239 SEAL KIT.	
NS	RK1887	(2) INCLUDED IN RK1887 CHARGING VALVE KIT.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



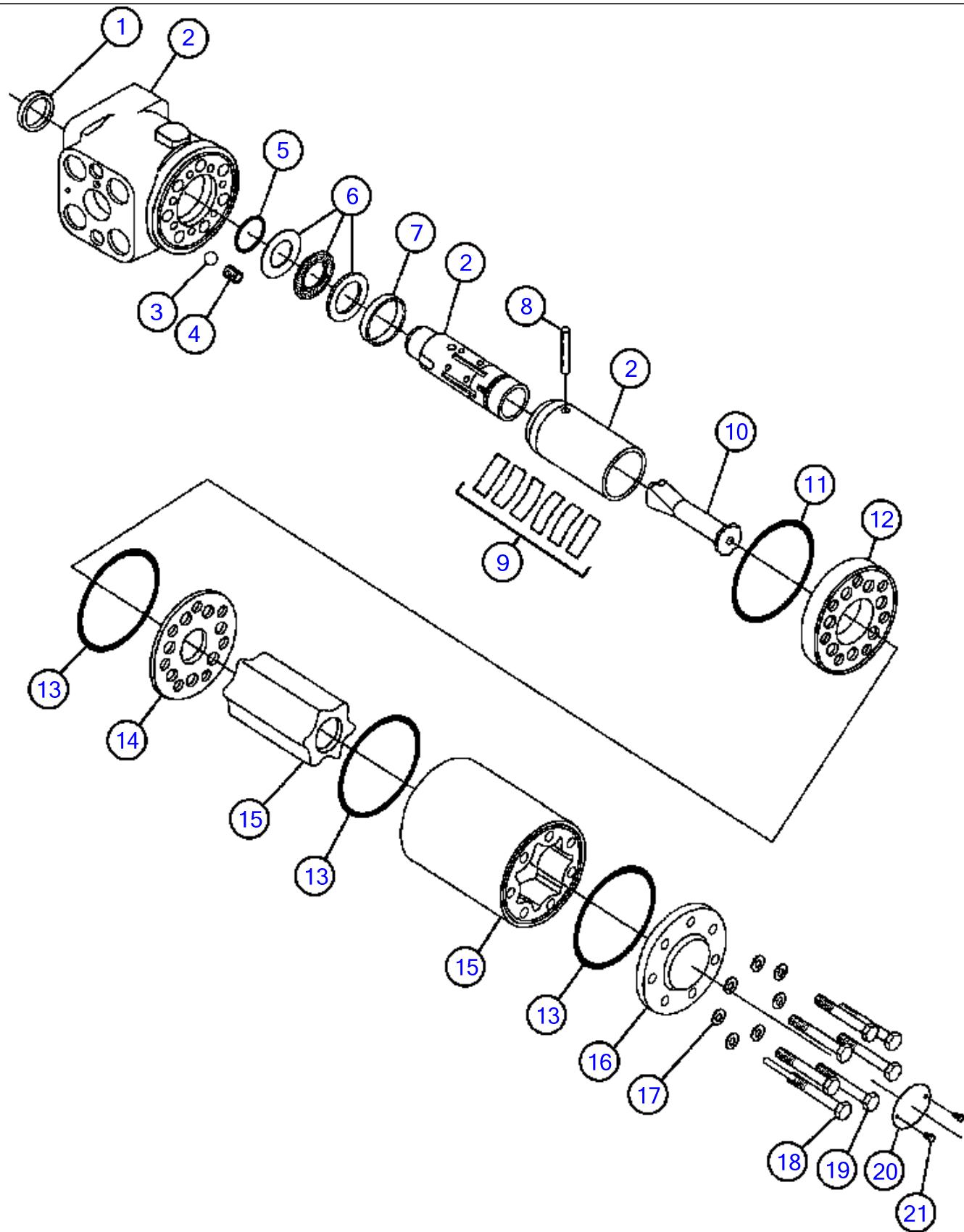
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 A31597 ANTAMINA

## STEERING CONTROL UNIT INSTALLATION

Item	Part No	Description	Qty	Page
1	VC8762	CAPSCREW - 3/8" - 16NC X 1 1/2"	4	
2	TC1231	LOCKWASHER - 3/8"	4	
3	MM0713	FLAT WASHER - M10 (HARDENED)	8	
4	EJ9843	BRACKET, L.H.	1	
5	MM0604	CAPSCREW - M10 X 1.50 X 20	4	
6	MM0471	LOCKWASHER - M10	4	
7	PB9881	STEERING CONTROL UNIT (SEE INDEX)	1	
8	EJ9842	BRACKET, R.H.	1	
9	WA4759	FLAT WASHER - 7/16"	4	134

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



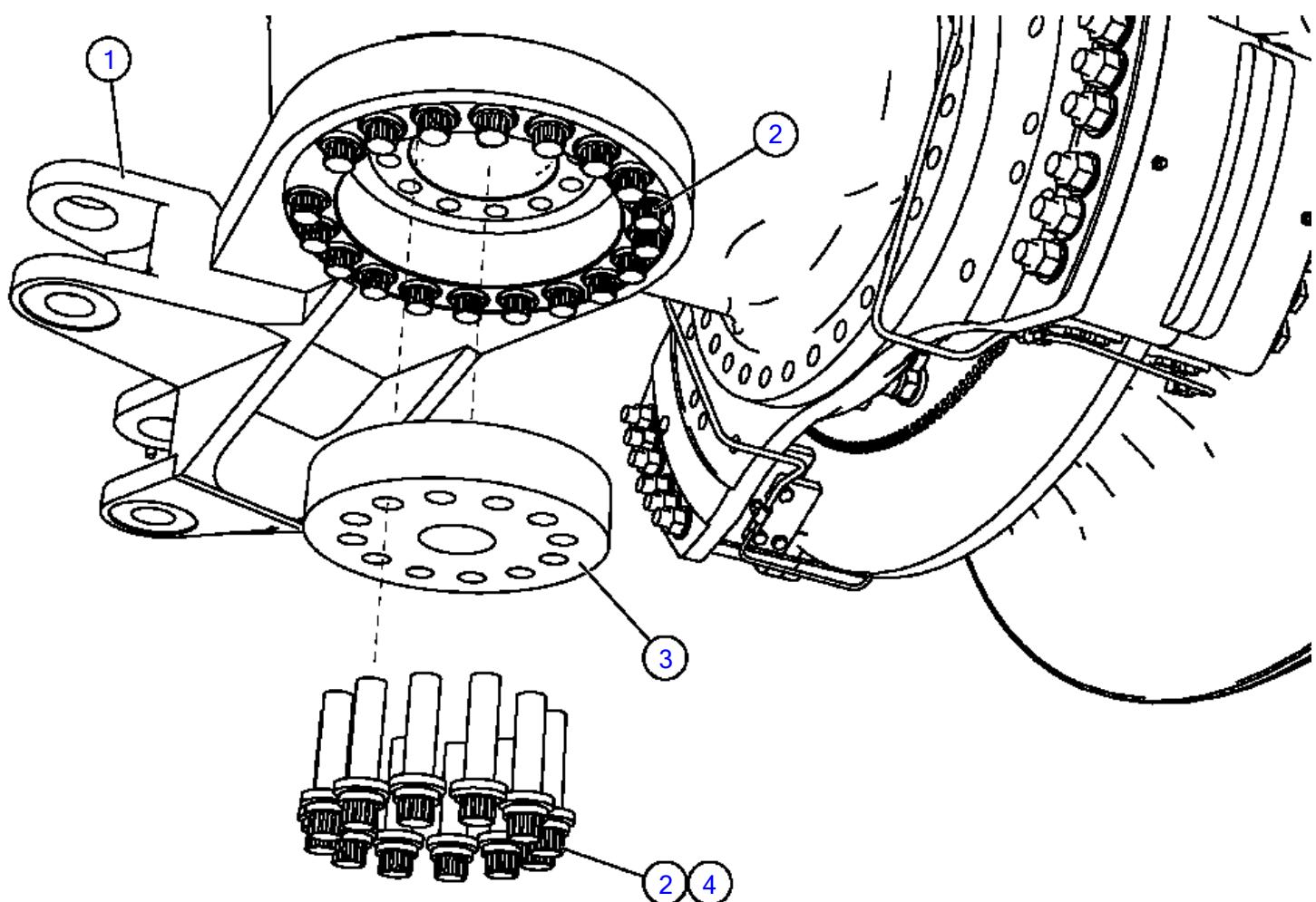
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 A31597 ANTAMINA

**STEERING CONTROL UNIT ASSEMBLY PB9881**

Item	Part No	Description	Qty
1	VE4064	SEAL, DUST (1)	1
2	VE3080	HOUSING/SPOOL/SLEEVE	1
3	VE3081	BALL	1
4	VE3082	BUSHING, THREADED	1
5	BF3031	O-RING (1)	1
6	VE3083	BEARING ASSEMBLY	1
7	VE3084	RING	1
8	VE3085	CROSS PIN	1
9	BF3032	SPRING SET (QTY. 6)	1
10	BF1287	SHAFT, CARDAN	1
11	VE4069	O-RING (1)	1
12	BF3033	PLATE, INTERMEDIATE	1
13	VE4071	O-RING (1)	3
14	BF3034	PLATE, DISTRIBUTOR	1
15	BF3035	GEAR WHEEL SET	1
16	VE3091	COVER, END	1
17	VE4072	WASHER (1)	7
18	BF3036	CAPSCREW W/ PIN (SPECIAL)	1
19	BF3037	CAPSCREW	6
20		NAME PLATE (2)	1
21		DRIVE SCREW (2)	1
NS		NOTE: NS = NOT SHOWN	
NS	BF3031	O-RING	1
NS	BF3038	NOTE: (1) INCLUDED IN BF3038 SEAL KIT. (2) NOT SERVICED SEPARATELY.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



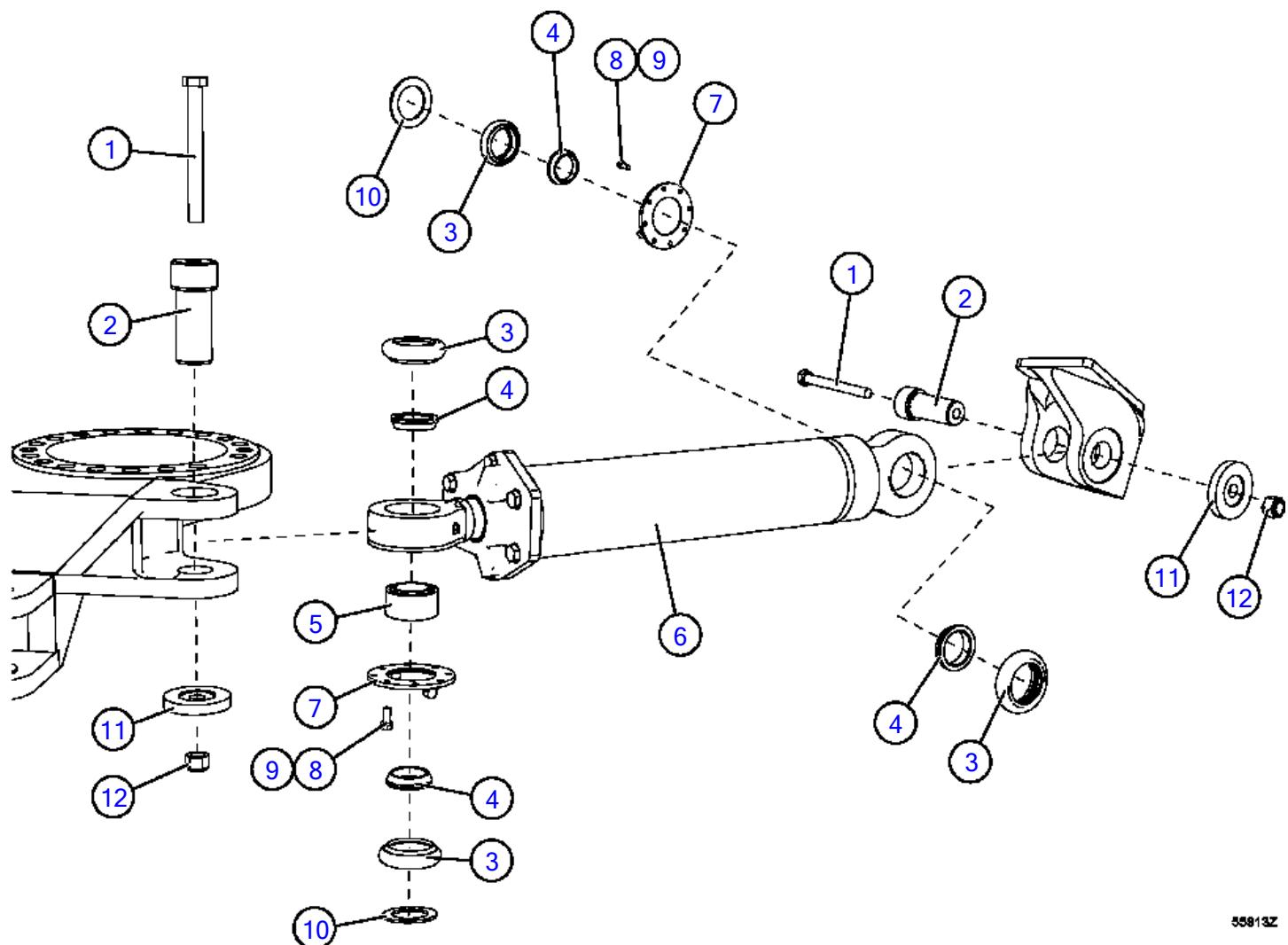
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### STEERING ARM INSTALLATION

Item	Part No	Description	Qty
1	EL9033	ARM, STEERING - L.H.	1
	EL9032	ARM, STEERING - R.H.	1
2	WA4817	CAPSCREW - 1 1/4" - 12NF X 5" (12 PT) (1)	39
3	ED7912	PLATE, RETAINING	1
4	TY2149	FLAT WASHER (HARDENED) (1)	14
NS	AK9012	NOTE: (1) INCLUDED IN AK9012 FRONT WHEEL GROUP HARDWARE KIT. (QUANTITIES SHOWN ARE FOR ONE SIDE ONLY.)	
NS			

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

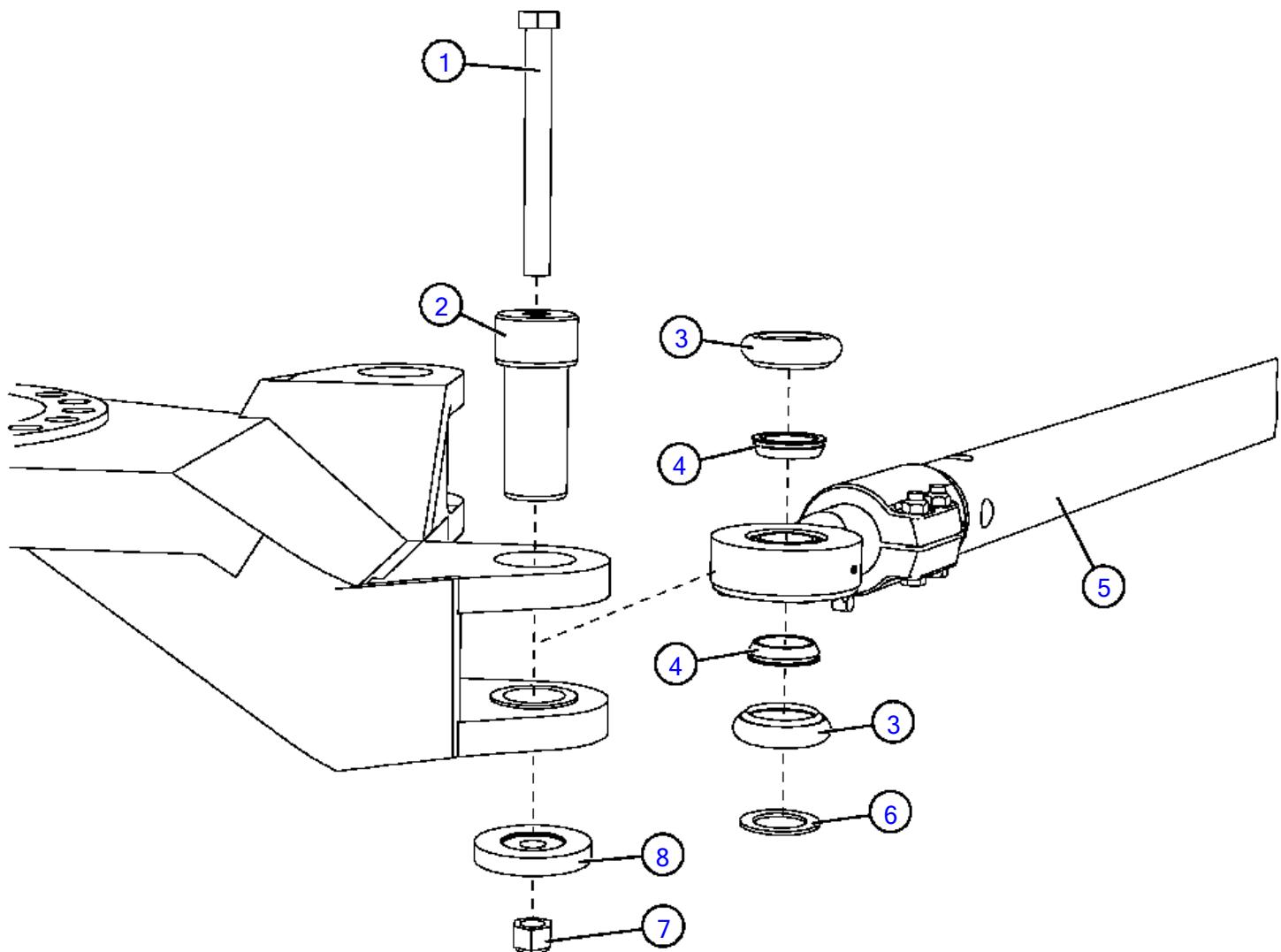


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 A31597 ANTAMINA

## STEERING CYLINDER INSTALLATION

Item	Part No	Description	Qty	Page
1	WB1145	CAPSCREW - 1" - 8NC X 11" (1)	4	
2	EH4367	PIN (1)	4	
3	EK2849	SEAL, BEARING (1)	8	
4	EJ8353	SPACER (1)	8	
5	PC1686	BEARING, SPHERICAL (1)	4	
6	EM0241	STEERING CYLINDER ASSEMBLY (SEE INDEX)	2	544
7	EK1030	RETAINER, ANTI-ROTATION (1)	4	
8	C1613	CAPSCREW - 1/2" - 13NC X 1 1/4"	32	
9	C1540	LOCKWASHER - 1/2"	32	
10	EH4369	WASHER	4	
11	TY2239	RETAINER (1)	4	
12	VH8186	LOCKNUT - 1" - 8NC (1)	4	
NS	AK4323	NOTE: (1) INCLUDED IN AK4323 STEERING CYLINDER AND TIE ROD PIN KIT.		
NS				

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



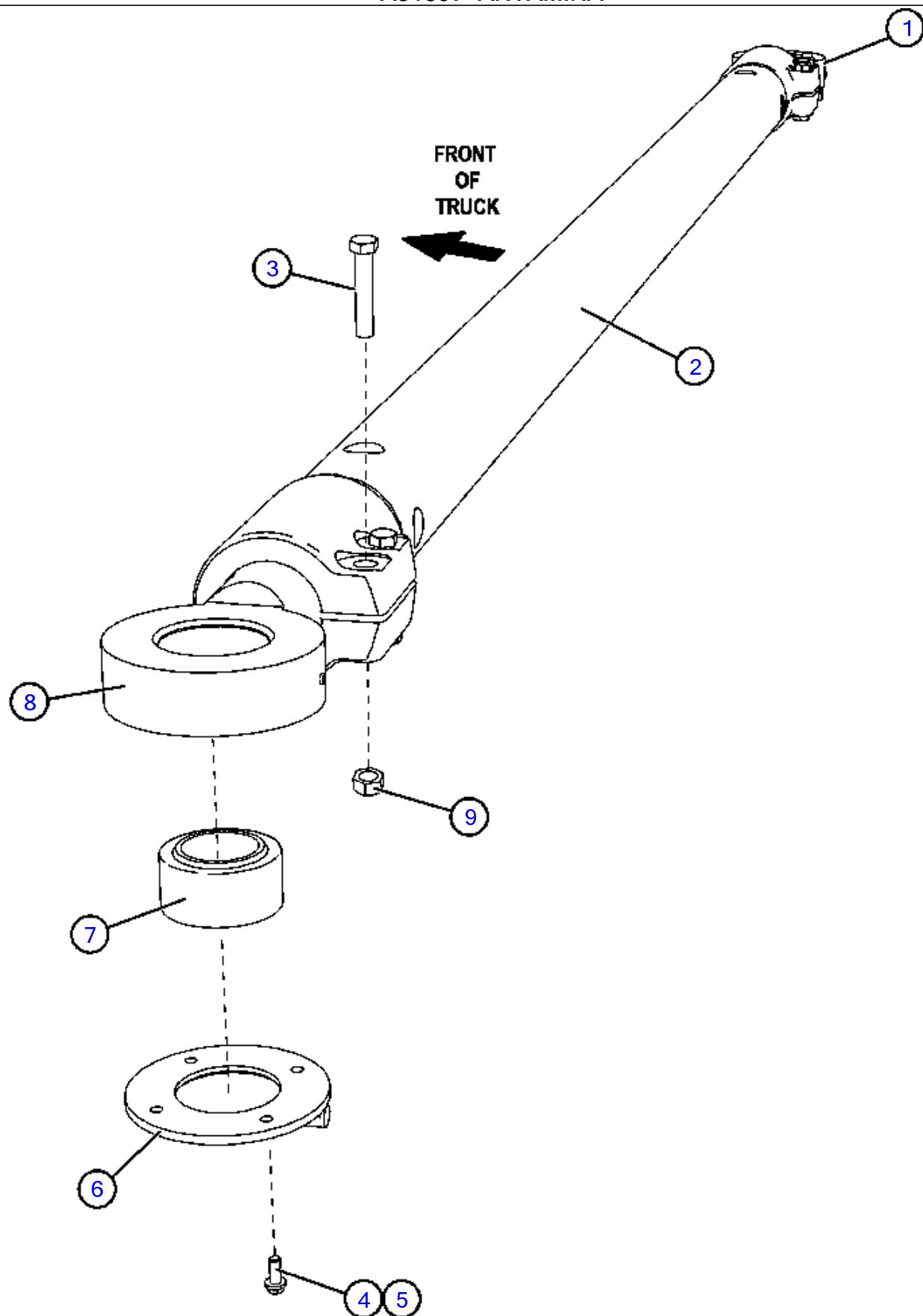
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 A31597 ANTAMINA

### TIE ROD INSTALLATION (S/N A31432 - A31558)

Item	Part No	Description	Qty	Page
1	WB1145	CAPSCREW - 1" - 8NC X 11" (1)	2	
2	EH4367	PIN (1)	2	
3	EK2849	SEAL, BEARING (1)	4	
4	EJ8353	SPACER (1)	4	
5	EK9356	TIE ROD ASSEMBLY (SEE INDEX)	1	142
6	EH4369	WASHER (1)	2	
7	VH8186	LOCKNUT - 1" - 8NC (1)	2	
8	TY2239	RETAINER (1)	2	
NS	AK4323	NOTE: (1) INCLUDED IN AK4323 STEERING CYLINDER AND TIE ROD PIN KIT.		
NS				

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

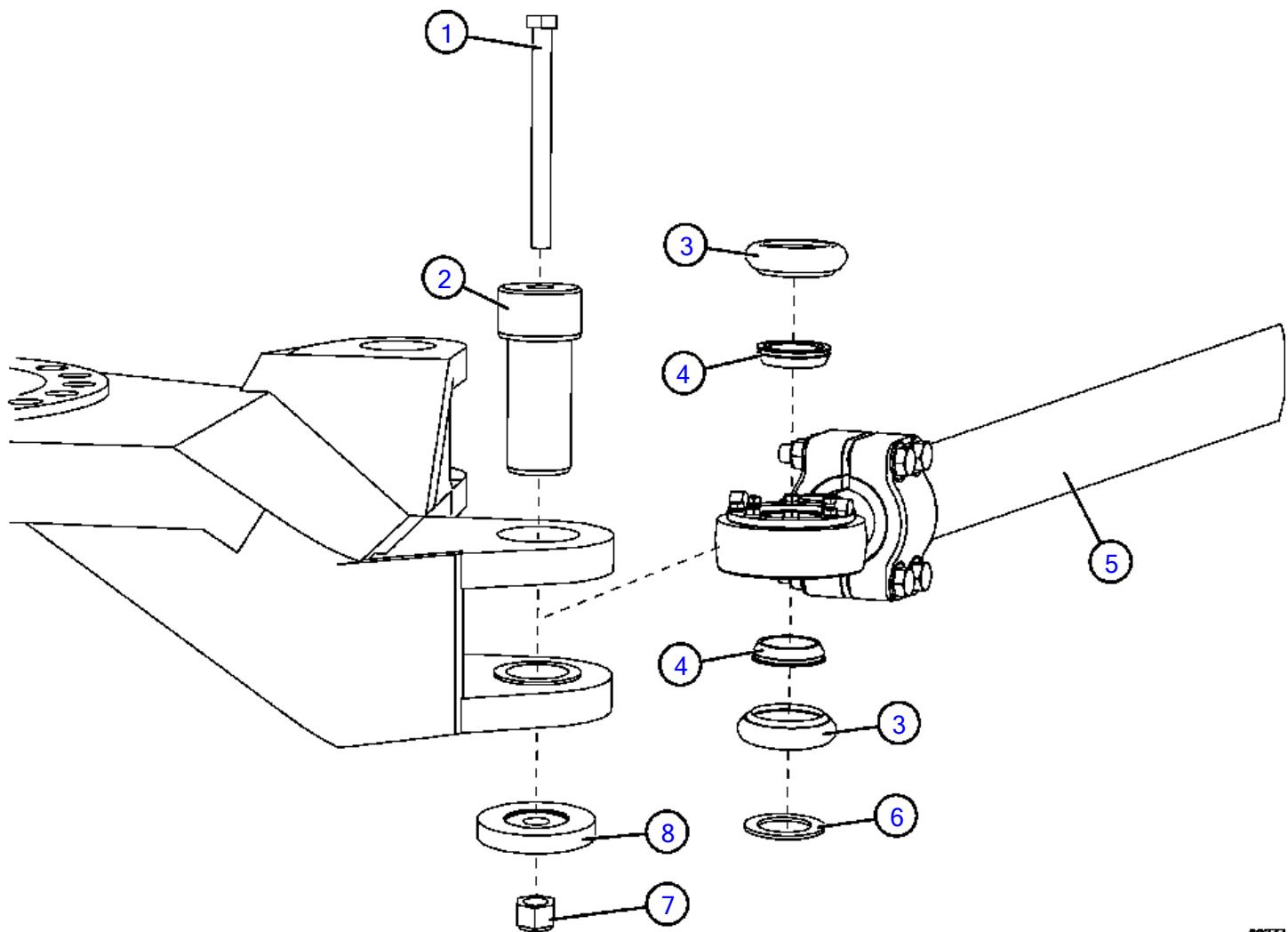


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**TIE ROD ASSEMBLY EK9356**

Item	Part No	Description	Qty
0	EK9356	TIE ROD ASSEMBLY	1
1	EH4364	END, ROD - R.H.	1
2	EB8801	TIE ROD	1
3	VN9140	CAPSCREW - 3/4" - 10NC X 4"	4
4	C1613	CAPSCREW - 1/2" - 13NC X 1 1/4"	8
5	C1540	LOCKWASHER - 1/2"	8
6	EK1030	RETAINER, ANTI-ROTATION (1)	2
7	PC1686	BEARING, SPHERICAL (1)	2
8	EH4365	END, ROD - L.H.	1
9	VL2993	LOCKNUT - 3/4" - 10NC	4
NS	AK4323	NOTE: (1) INCLUDED IN AK4323 STEERING CYLINDER AND TIE ROD PIN KIT.	
NS			

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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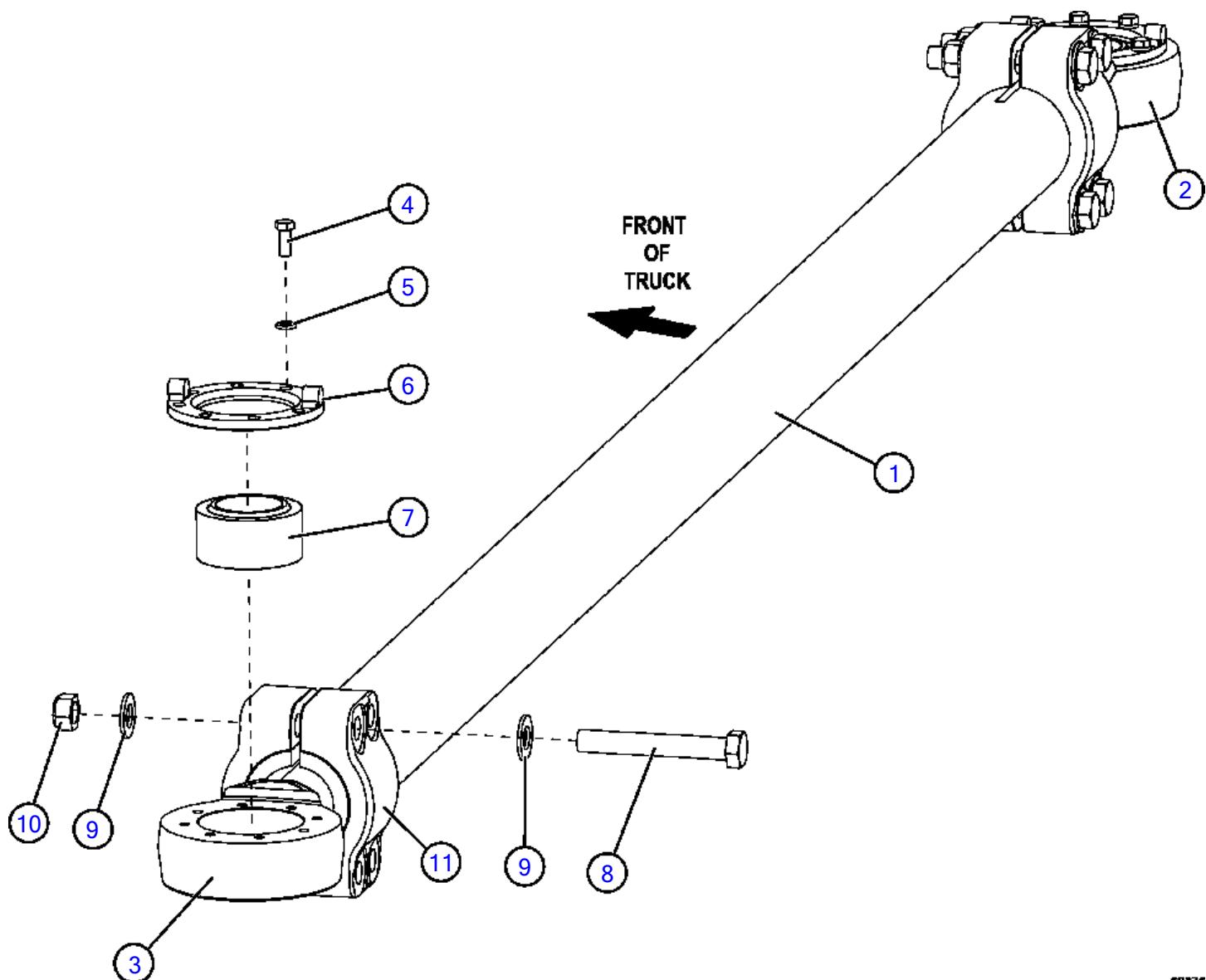


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### TIE ROD INSTALLATION (S/N A31564 & UP)

Item	Part No	Description	Qty	Page
1	WB1145	CAPSCREW - 1" - 8NC X 11" (1)	2	
2	EH4367	PIN (1)	2	
3	EK2849	SEAL, BEARING (1)	4	
4	EJ8353	SPACER (1)	4	
5	58F-40-00010	TIE ROD ASSEMBLY (SEE INDEX)	1	146
6	EH4369	WASHER (1)	2	
7	VH8186	LOCKNUT - 1" - 8NC (1)	2	
8	TY2239	RETAINER (1)	2	
NS	AK4323	NOTE: (1) INCLUDED IN AK4323 STEERING CYLINDER AND TIE ROD PIN KIT.		
NS				

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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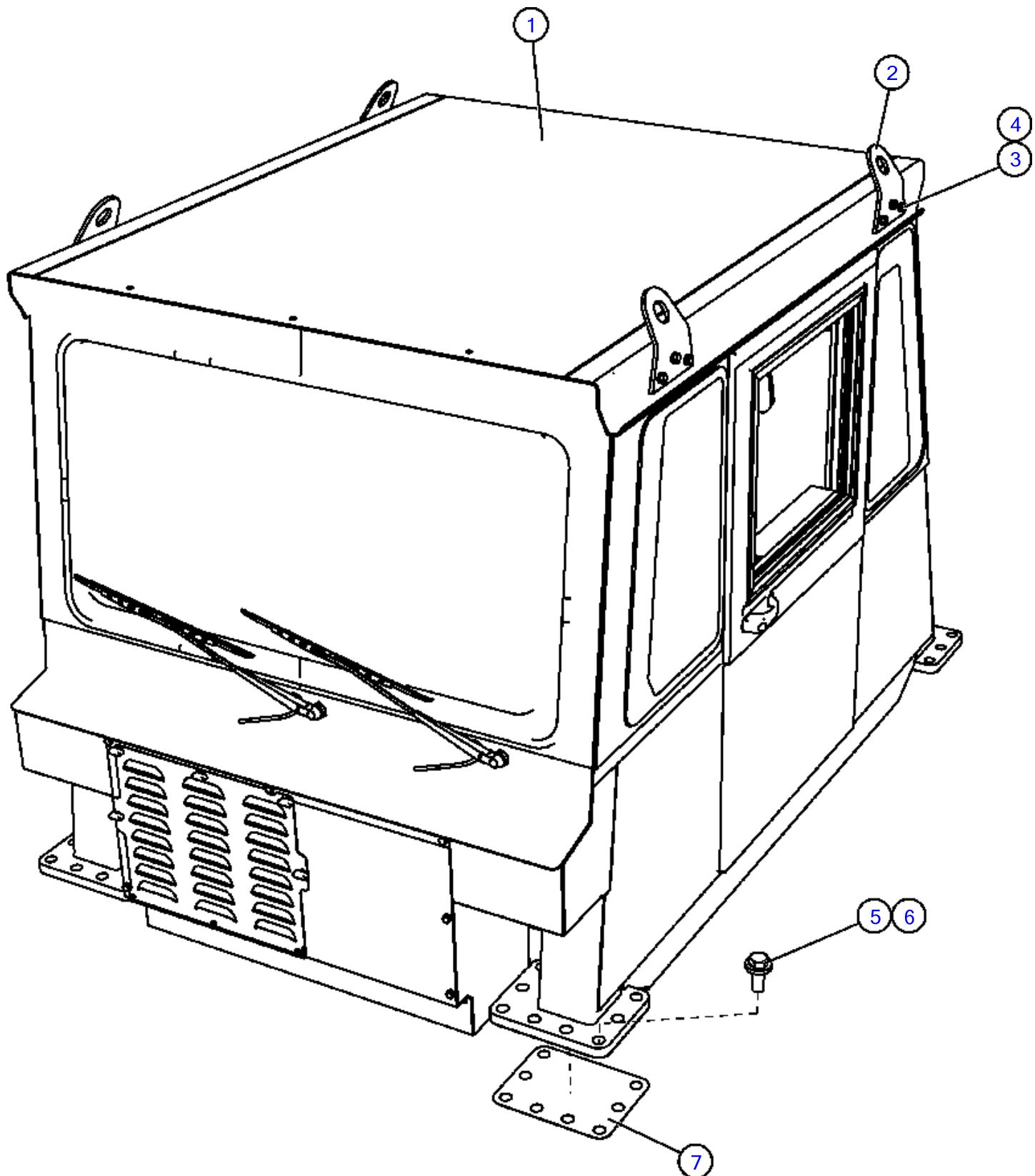
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**TIE ROD ASSEMBLY 58F-40-00010**

Item	Part No	Description	Qty
1	58F-40-00040	TUBE, TIE ROD	1
2	58F-40-00080	END, ROD - R.H.	1
3	58F-40-00070	END, ROD - L.H.	1
4	C1613	CAPSCREW - 1/2" - 13NC X 1 1/4"	8
5	C1540	LOCKWASHER - 1/2"	8
6	EK1030	RETAINER, ANTI-ROTATION (1)	2
7	PC1686	BEARING, SPHERICAL (1)	2
8	VN9202	CAPSCREW - 1" - 8NC X 7"	8
9	WA0364	FLAT WASHER - 1" (HARDENED)	16
10	VH8186	LOCKNUT - 1" - 8NC	8
11	58F-40-00050	CLAMP, ROD END	4
NS	AK4323	NOTE: (1) INCLUDED IN AK4323 STEERING CYLINDER AND TIE ROD PIN KIT.	
NS			

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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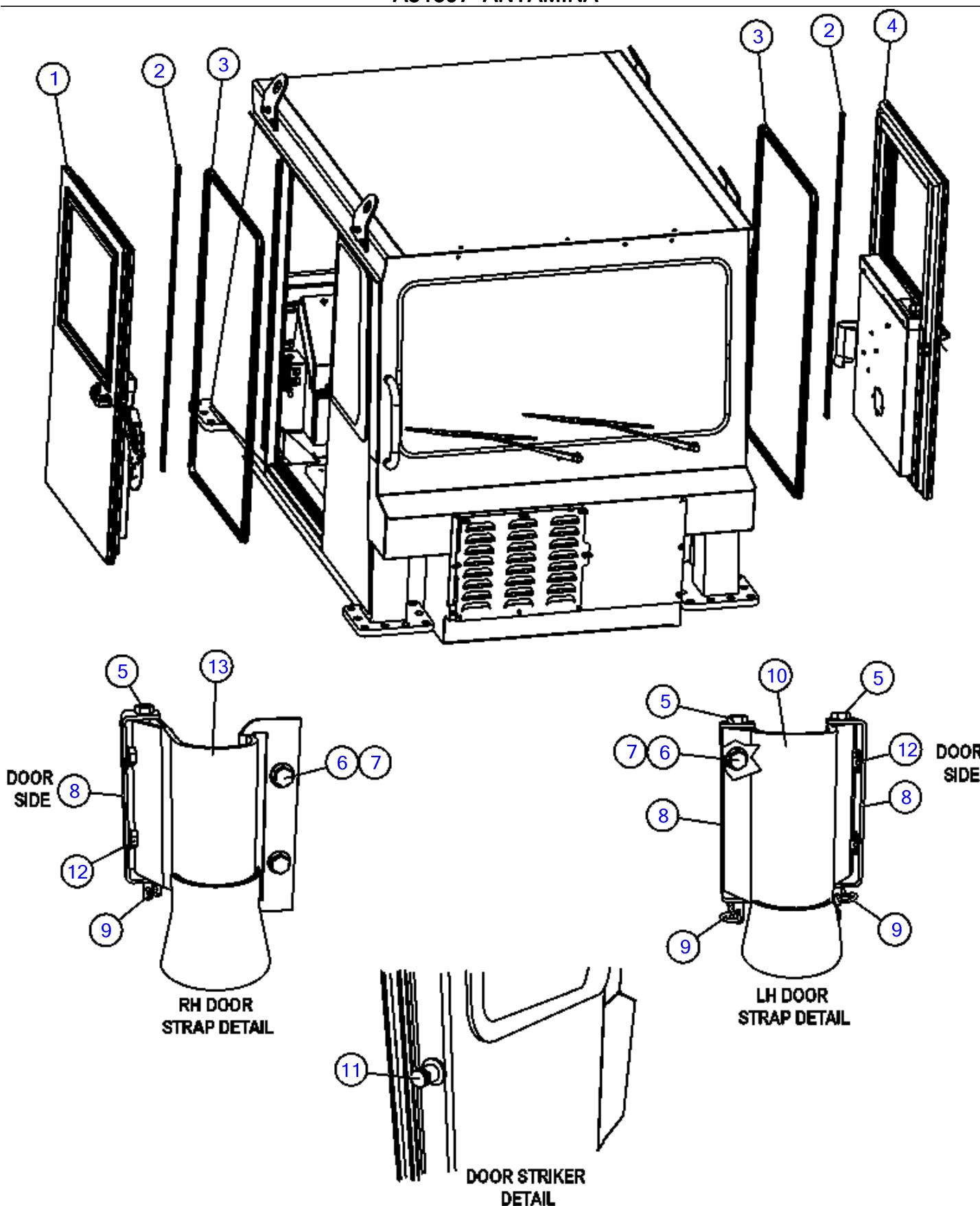


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA  
 CAB MOUNTING**

Item	Part No	Description	Qty	uom
1	X83-00-03030	CAB ASSEMBLY	1	
2	SM2052	• PLATE, LIFTING	4	
3	VN9057	• CAPSCREW - 1/2" - 13NC X 1 3/4"	12	
4	TR5445	• LOCKWASHER - 1/2"	12	
5	VN9097	CAPSCREW - 1" X 8NC X 2 3/4"	32	
6	TY2148	FLAT WASHER - 1" (HARDENED)	32	
7	EL1949	SHIM, FRONT - 1MM		AS REQUIRED
	EL1950	SHIM, REAR - 1MM		AS REQUIRED

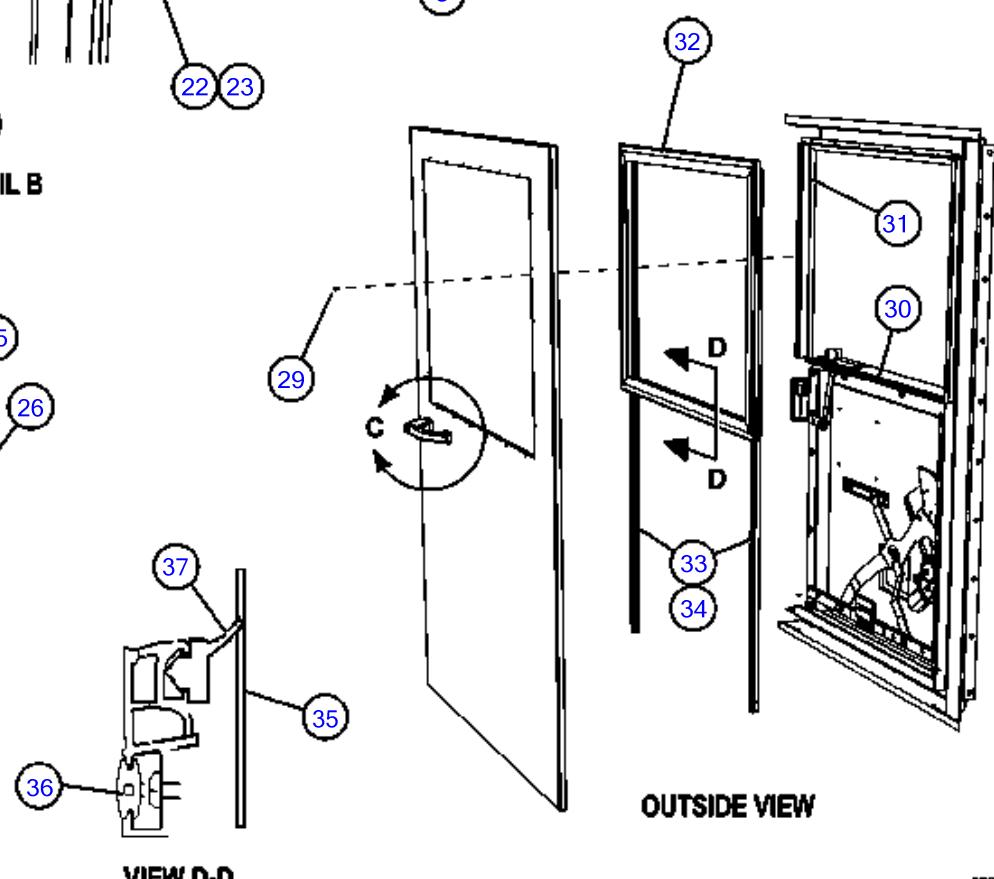
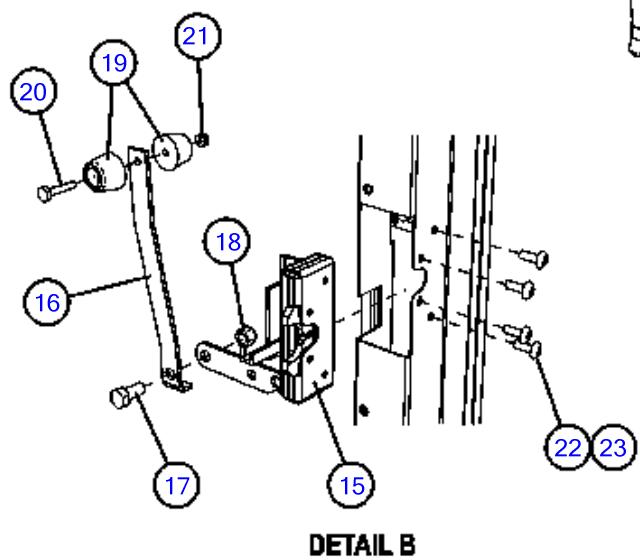
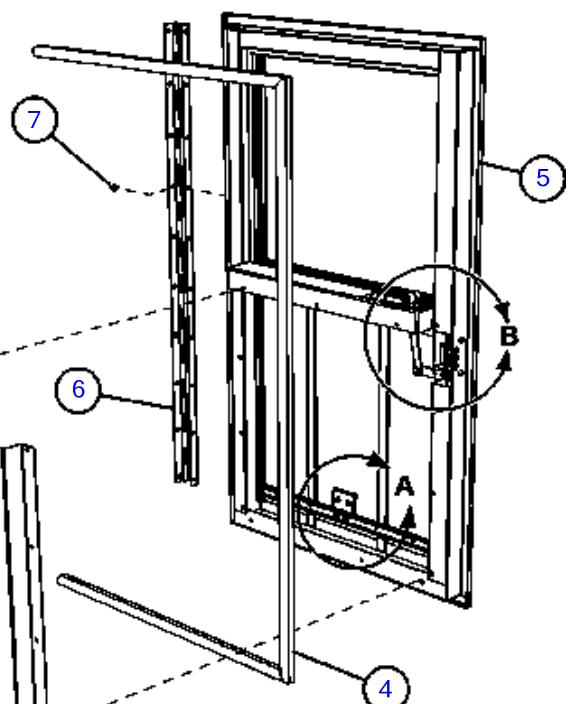
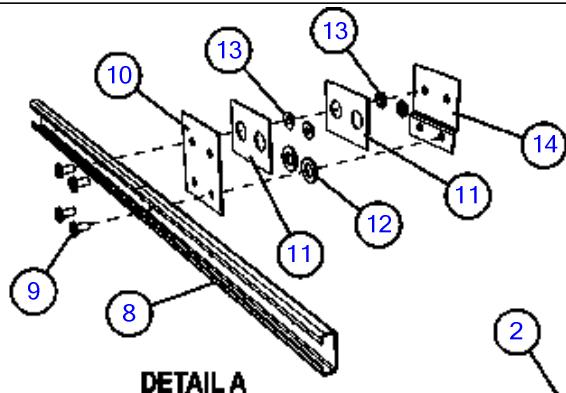
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**AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31597 ANTAMINA  
 DOOR INSTALLATION**

Item	Part No	Description	Qty	Page
1	58E-54-10090	DOOR - RH (SEE INDEX)	1	156
2	SM2402	SEAL, DOOR	2	
3	SM2582	SEAL, INNER DOOR	2	
4	58E-54-10080	DOOR - LH (2 (SEE INDEX)	1	152
5	EL1022	CAPSCREW - DRILLED	3	
6	31154R1	CAPSCREW - M8 X 1.25 X 12	4	
7	MM0470	LOCKWASHER - M8	4	
8	SM2165	BRACKET, DOOR STRAP	3	
9	SM2322	CLIP, HAIR PIN	3	
10	EM7551	STRAP, DOOR CHECK (LH SIDE)	1	
11	1139538C1	BOLT, DOOR STRIKER	2	
	SM2017	BAR, TAPPED	2	
12	WB3560	CAPSCREW - M8 X 1.25 X 12	4	
13	XB4573	STRAP, DOOR CHECK (RH SIDE)	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31597 ANTAMINA

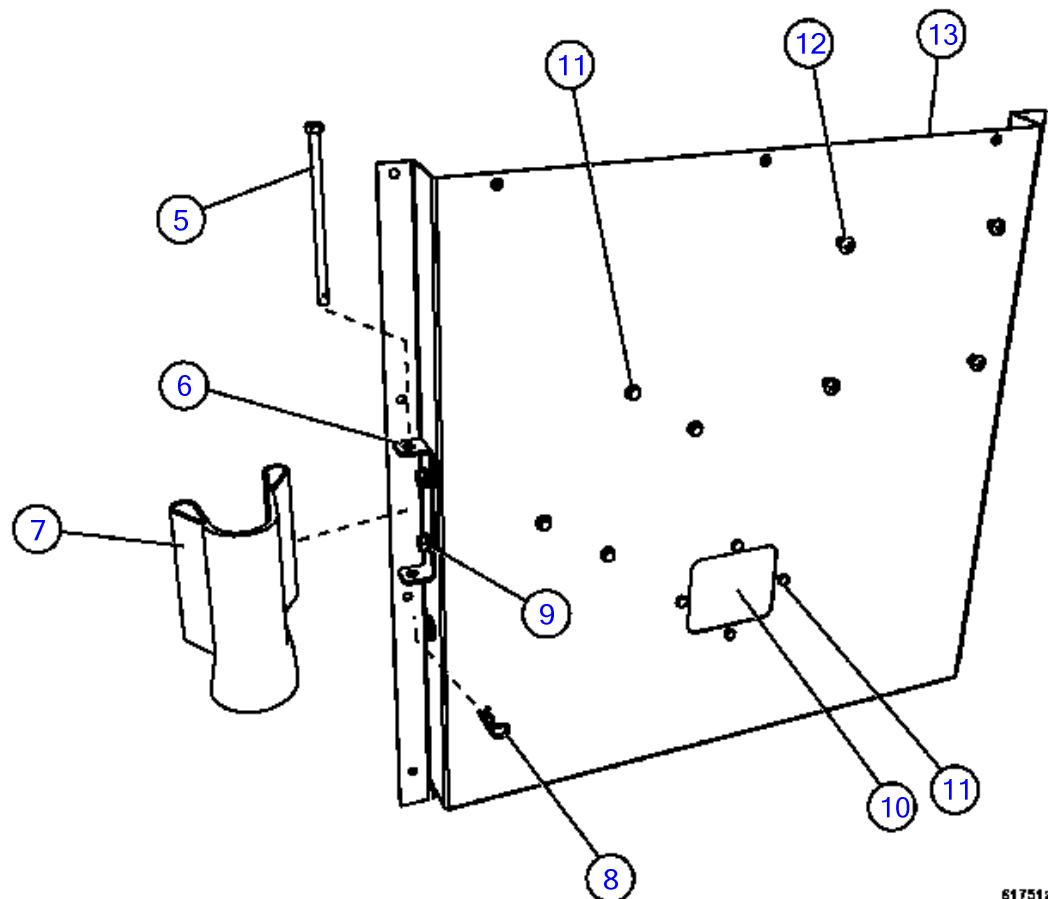
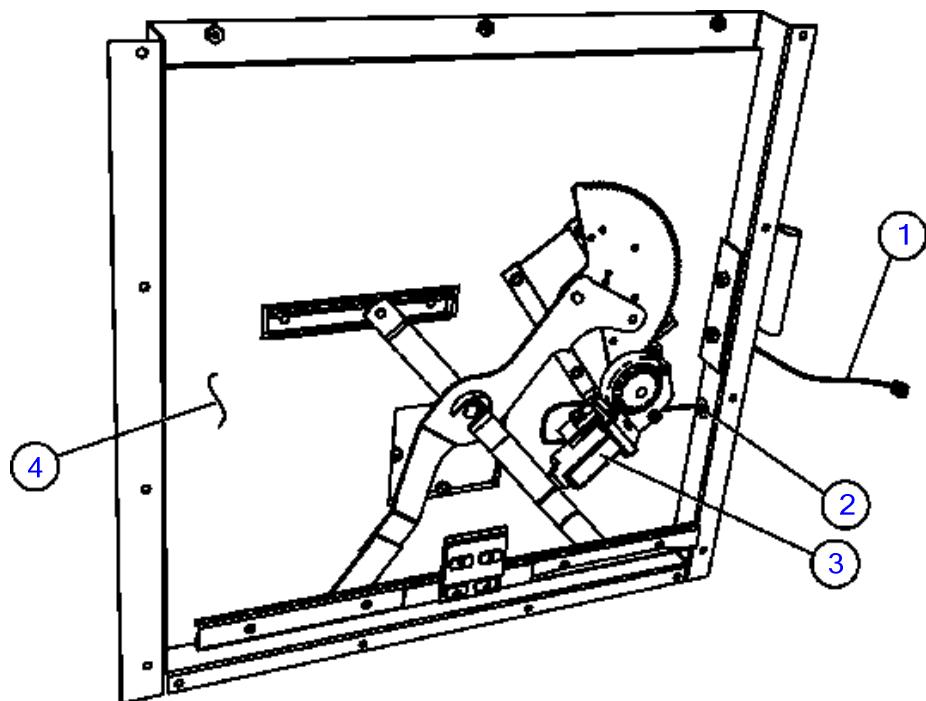


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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA**

**DOOR - LH      58E-54-10080**

Item	Part No	Description	Qty	uom	Page
1	58E-54-10120	INNER PANEL ASSEMBLY, L.H. (SEE INDEX)	1		154
2	SM0926	SCREW - M6 X 1.00	3		
3	WB3559	CAPSCREW - M6 X 1.00 X 12	12		
4	SM2548	SEAL, DOOR	1		
5	EL2730	FRAME, DOOR - L.H.	1		
6	SM2544	HINGE, DOOR	1		
7	WB3560	CAPSCREW - M8 X 1.25 X 12	10		
8	EL5788	CHANNEL, WINDOW LIFT	1		
9	31006R1	MACHINE SCREW - M6 X 1.00 X 16	4		
10	SM2832	BRACKET, WINDOW LIFT	1		
11	SM2261	GASKET	2		
12	MM0462	FLAT WASHER - M12	2		
13	EM7654	BUSHING, NYLON	4		
14	EL5721	BRACKET, OUTER	1		
15	SM2297	LATCH DOOR ASSEMBLY - L.H.	1		
16	SM2263	LEVER, DOOR LATCH	1		
17	TC1234	CAPSCREW - 3/8" - 16NC X 3/4"	1		
18	TG9225	LOCKNUT - 3/8" - 16NC	1		
19	SM2264	KNOB, DOOR LATCH	2		
20	SM2354	SCREW - #10 - 24NC	1		
21	SM2355	LOCKNUT - #10 - 24NC	1		
22	KD0252	MACHINE SCREW - 1/4" - 20NC X 3/4"	4		
23	SD4235	LOCKWASHER - 1/4" (EXTERNAL TOOTH)	4		
24	PC1828	HANDLE, PUSH BUTTON	1		
25	MM0176	NUT - M6 X 1.00	1		
26	MM0584	CAPSCREW - M6 X 1.00 X 30 (STRIKER)	1		
27	XB0815	PLATE	1		
28	WB3550	SCREW, MACHINE - M6 X 20	3		
29	SM2406	SCREW, SELF-TAPPING - #6 - 32NC X 3/8"	22		
30	SM2405	SEAL, WINDOW (INSIDE)	1		
31	2048889R1	TRIM, BULK			AS REQUIRED
32	58E-54-10100	WINDOW ASSEMBLY	1		
33	58E-98-10500	· CHANNEL, GLASS	1		
34	58E-98-10530	· FILLER	1		
35	EL2724	· GLASS	1		
36	58E-98-10510	· COVER, SCREW	1		
37	58E-98-10520	· WIPE, GLASS	1		
NS		NOTE: NS = NOT SHOWN			
NS	SM2256	KEY, DOOR (1)	1		
NS		NOTE: (1) NOT SERVICED SEPARATELY.			

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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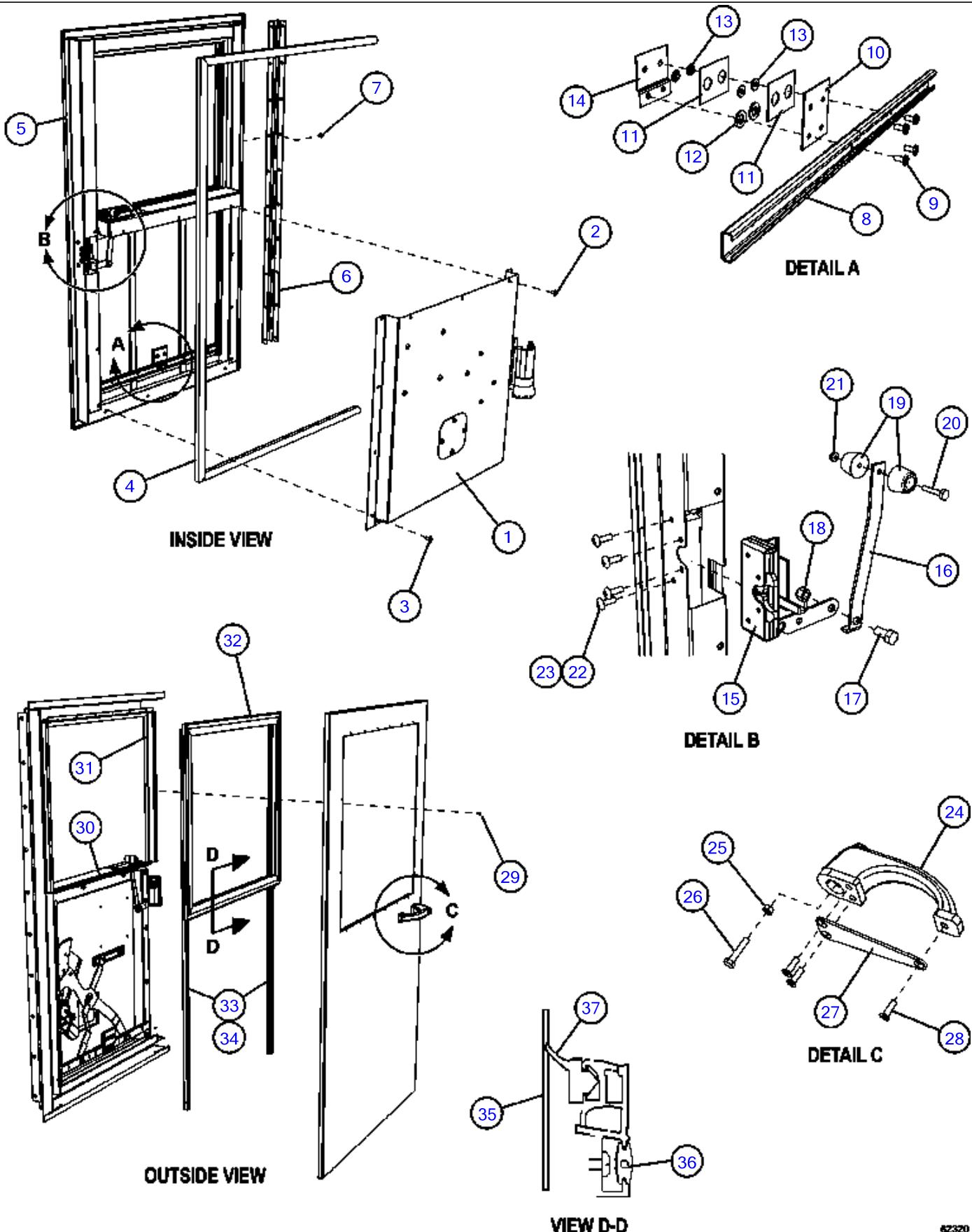
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 A31597 ANTAMINA

**INNER DOOR PANEL - LH 58E-54-10120**

Item	Part No	Description	Qty
1	SM3010	HARNESS, POWER WINDOW	1
	VH2929	CONNECTOR, BUTT	2
2	SL9490	GROMMET, RUBBER	1
3	PC3276	WINDOW LIFT MECHANISM, 24VDC - LH	1
4	SM5390	INSULATION, PANEL - L.H.	1
5	EL1022	CAPSCREW - DRILLED	1
6	SM2165	BRACKET, DOOR STRAP	1
7	EM7551	STRAP, DOOR CHECK	1
8	SM2322	CLIP, HAIR PIN	1
9	WB3560	CAPSCREW - M8 X 1.25 X 12	2
10	SM2294	COVER, INNER ACCESS	1
11	WB3559	CAPSCREW - M6 X 1.00 X 12	8
12	SM0926	SCREW - M6 X 1.00	4
13	SM2738	PANEL, INNER - L.H.	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31597 ANTAMINA

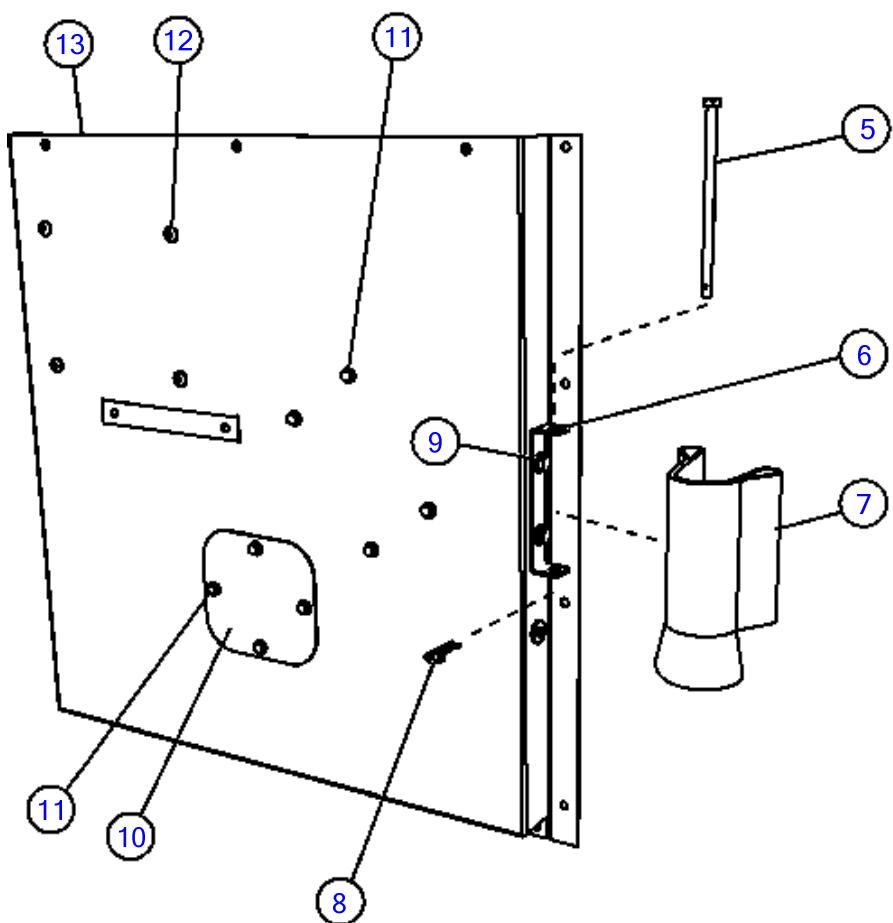
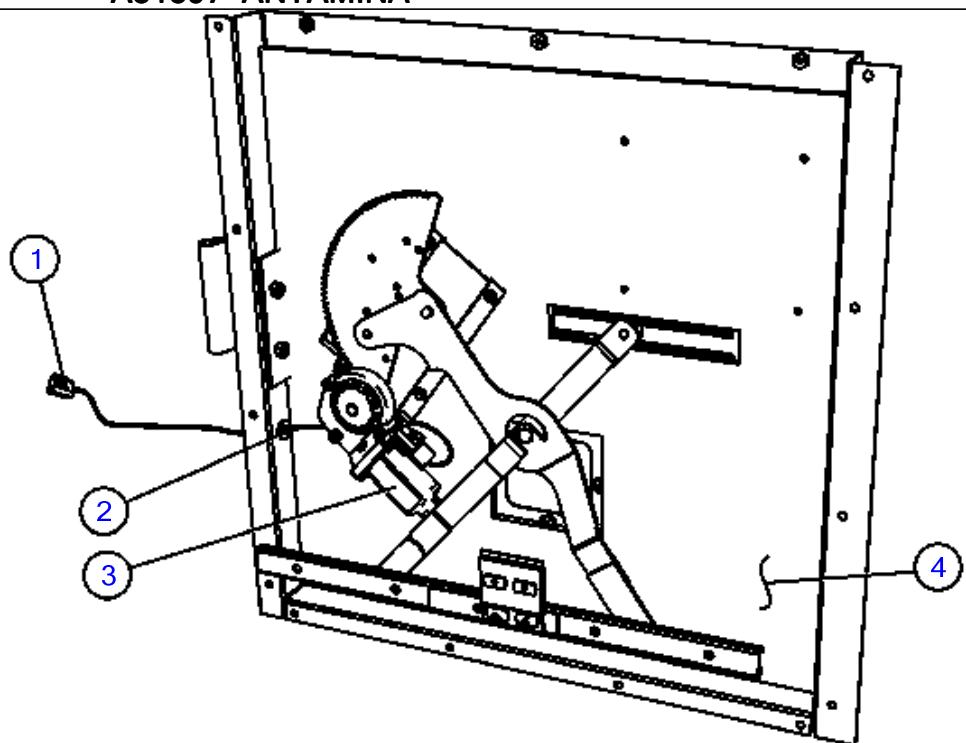


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A31597 ANTAMINA**

**DOOR - RH      58E-54-10090**

Item	Part No	Description	Qty	uom	Page
1	58E-54-10110	INNER PANEL ASSEMBLY, R.H. (SEE INDEX)	1		158
2	SM0926	SCREW - M6 X 1.00	3		
3	WB3559	CAPSCREW - M6 X 1.00 X 12	12		
4	SM2548	SEAL, DOOR	1		
5	XB6192	FRAME, DOOR - R.H.	1		
6	SM2544	HINGE, DOOR	1		
7	WB3560	CAPSCREW - M8 X 1.25 X 12	10		
8	EL5788	CHANNEL, WINDOW LIFT	1		
9	31006R1	MACHINE SCREW - M6 X 1.00 X 16	4		
10	SM2832	BRACKET, WINDOW LIFT	1		
11	SM2261	GASKET	2		
12	MM0462	FLAT WASHER - M12	2		
13	EM7654	BUSHING, NYLON	4		
14	EL5721	BRACKET, OUTER	1		
15	SM2274	LATCH DOOR ASSEMBLY - R.H.	1		
16	SM2263	LEVER, DOOR LATCH	1		
17	TC1234	CAPSCREW - 3/8" - 16NC X 3/4"	1		
18	TG9225	LOCKNUT - 3/8" - 16NC	1		
19	SM2264	KNOB, DOOR LATCH	2		
20	SM2354	SCREW - #10 - 24NC	1		
21	SM2355	LOCKNUT - #10 - 24NC	1		
22	KD0252	MACHINE SCREW - 1/4" - 20NC X 3/4"	4		
23	SD4235	LOCKWASHER - 1/4" (EXTERNAL TOOTH)	4		
24	PC1828	HANDLE, PUSH BUTTON	1		
25	MM0176	NUT - M6 X 1.00	1		
26	MM0584	CAPSCREW - M6 X 1.00 X 30 (STRIKER)	1		
27	XB0815	PLATE	1		
28	WB3550	SCREW, MACHINE - M6 X 20	3		
29	SM2406	SCREW, SELF-TAPPING - #6 - 32NC X 3/8"	24		
30	SM2405	SEAL, WINDOW (INSIDE)	1		
31	2048889R1	TRIM, BULK		AS REQUIRED	
32	58E-54-10100	WINDOW ASSEMBLY	1		
33	58E-98-10500	· CHANNEL, GLASS	1		
34	58E-98-10530	· FILLER	1		
35	EL2724	· GLASS	1		
36	58E-98-10510	· COVER, SCREW	1		
37	58E-98-10520	· WIPE, GLASS	1		

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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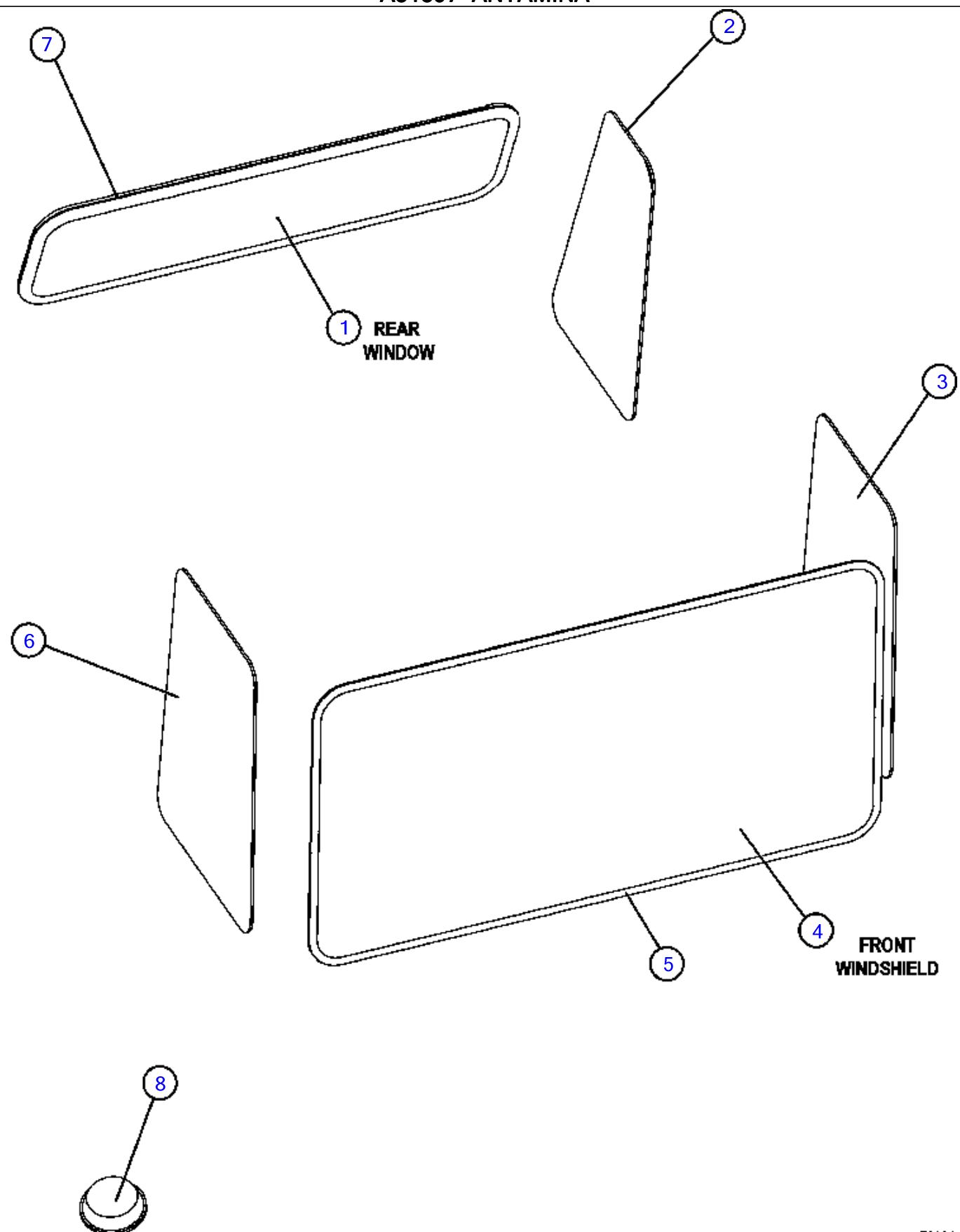


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 A31597 ANTAMINA

**INNER DOOR PANEL - RH    58E-54-10110**

Item	Part No	Description	Qty
1	SM3010	HARNESS, POWER WINDOW	1
	VH2929	CONNECTOR, BUTT	2
2	SL9490	GROMMET, RUBBER	1
3	PC3277	WINDOW LIFT MECHANISM, 24VDC - RH	1
4	SM5391	INSULATION, PANEL - R.H.	1
5	EL1022	CAPSCREW - DRILLED	1
6	SM2165	BRACKET, DOOR STRAP	1
7	XB4573	STRAP, DOOR CHECK	1
8	SM2322	CLIP, HAIR PIN	1
9	WB3560	CAPSCREW - M8 X 1.25 X 12	2
10	SM2294	COVER, INNER ACCESS	1
11	WB3559	CAPSCREW - M6 X 1.00 X 12	8
12	SM0926	SCREW - M6 X 1.00	4
13	SM2739	PANEL, INNER - R.H.	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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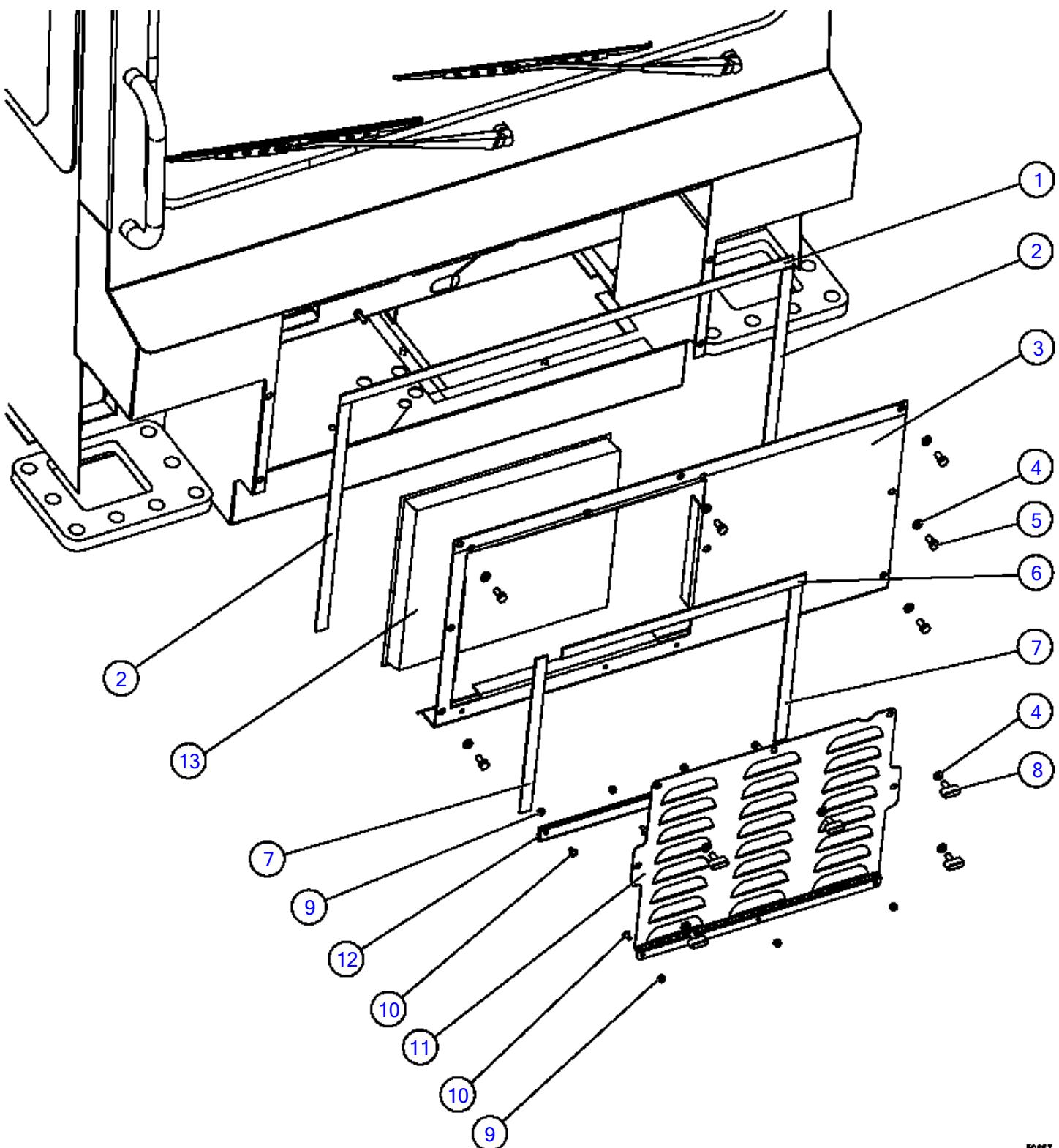


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 A31597 ANTAMINA  
**CAB WINDOWS****

Item	Part No	Description	Qty
1	SM1094	GLASS, REAR INSULATED	1
2	SM2898	GLASS, LH REAR	1
3	SM2877	GLASS, LH FRONT	1
4	SM2899	GLASS, WINDSHIELD	1
5	SM4377	CHANNEL, RUBBER	1
6	SM2879	GLASS, RH FRONT	1
7	SM2045	CHANNEL, RUBBER	1
8	SM2897	SPACER	20

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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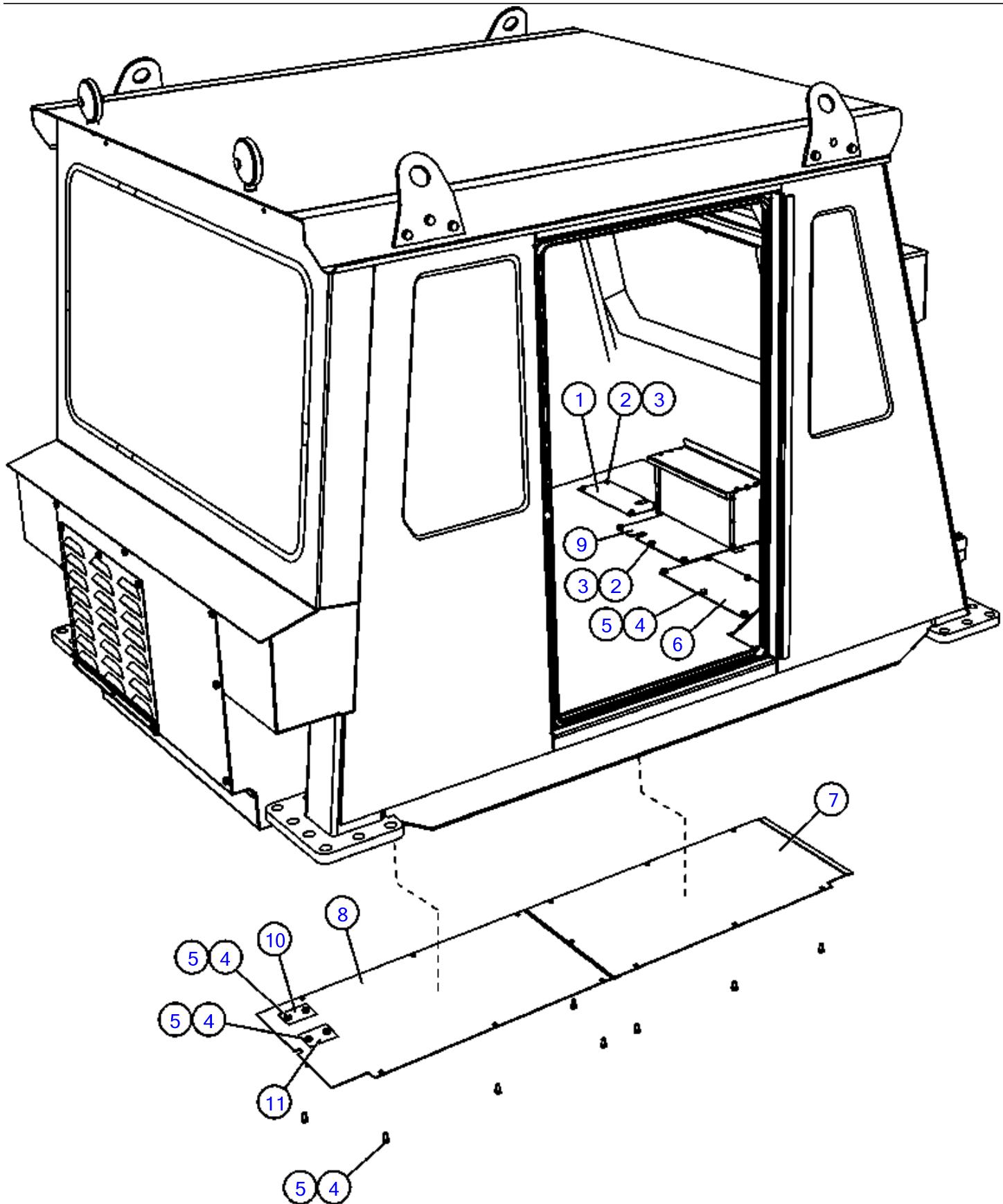
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 A31597 ANTAMINA

### FRONT ACCESS COVER

Item	Part No	Description	Qty
1	ED0108	SEAL STRIP	1
2	ED0109	SEAL STRIP	2
3	EL1094	COVER	1
4	MM0471	LOCKWASHER - M10	12
5	MM0604	CAPSCREW - M10 X 1.50 X 20	6
6	ED0110	SEAL STRIP	1
7	ED0112	SEAL STRIP	2
8	EL3987	WING SCREW - M10 X 1.50	5
9	VD4460	LOCKNUT - 1/4" - 20NC	7
10	WA5653	MACHINE SCREW - 1/4" - 20NC X 1/2"	7
11	EL1046	COVER, HINGED	1
12	SM0190	HINGE, FRONT COVER	1
13	PB7001	FILTER, AIR	1

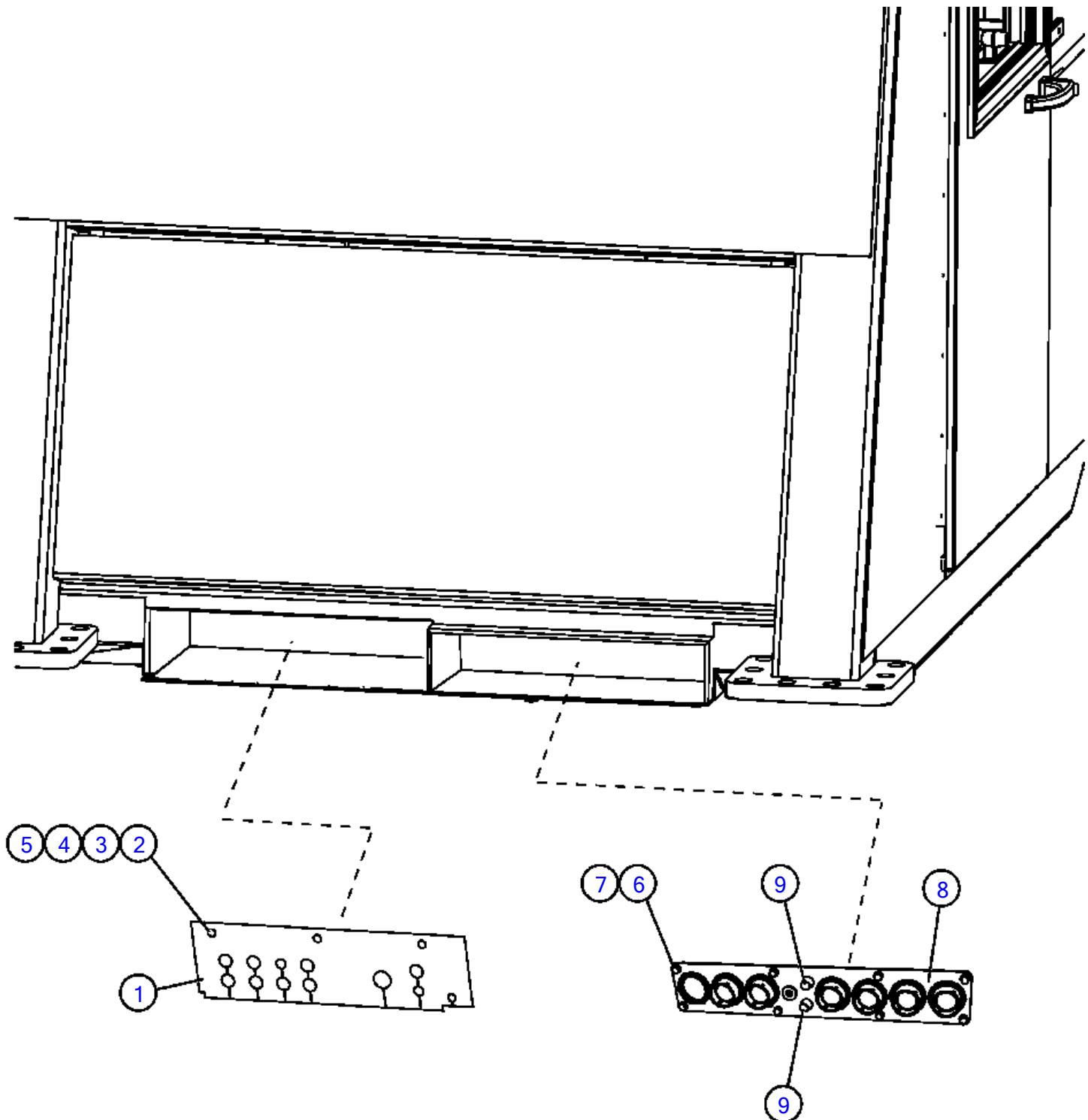
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**AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA**  
**CAB ACCESS COVERS**

Item	Part No	Description	Qty
1	EL2941	PLATE, FLOOR COVER	1
2	MM0593	CAPSCREW - M8 X 1.25 X 20	10
3	01643-30823	FLAT WASHER - M8	10
4	MM0604	CAPSCREW - M10 X 1.50 X 20	24
5	MM0471	LOCKWASHER - M10	24
6	SM2189	PLATE, ACCESS - L.H. FLOOR	1
7	SM0992	PLATE, REAR ACCESS - BRAKE & STEERING PIPING	1
8	XB9053	PLATE, FRONT ACCESS - BRAKE & STEERING PIPING	1
9	EL5428	PLATE, COVER	1
10	EM8384	PLATE	1
11	XB9055	PLATE	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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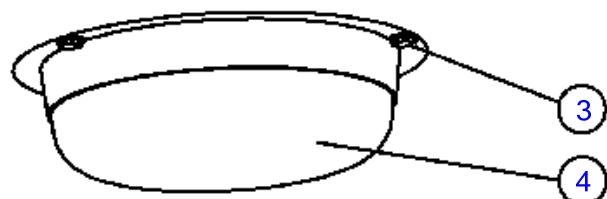
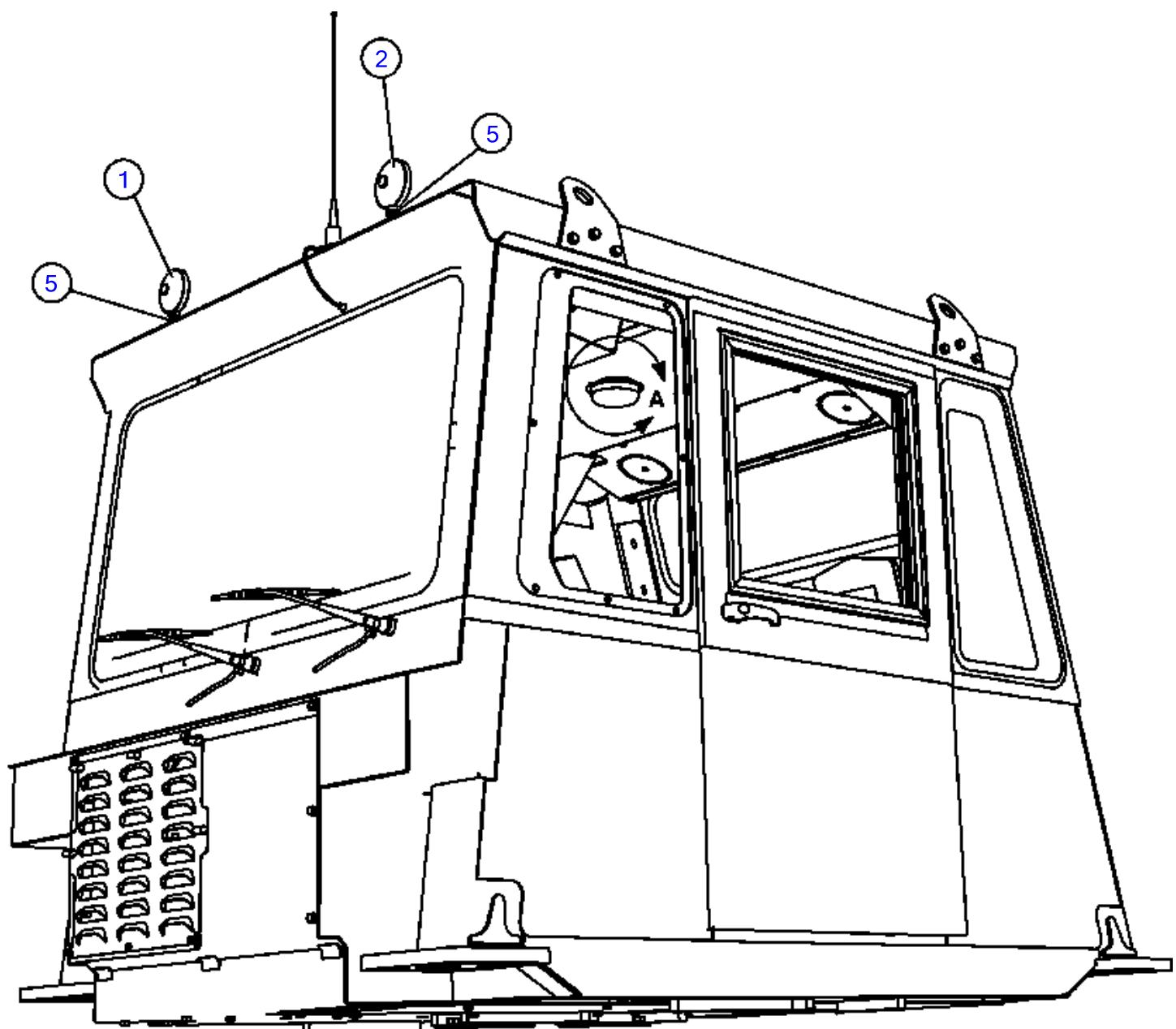


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 A31597 ANTAMINA

### CAB CONNECTOR PLATE AND HOSE FLAP

Item	Part No	Description	Qty
1	EF9801	FLAP, RUBBER	1
2	MM0594	CAPSCREW - M8 X 1.25 X 25	3
3	MM0460	FLAT WASHER - M8	3
4	MM0470	LOCKWASHER - M8	3
5	MM0177	NUT - M8 X 1.25	3
6	MM0027	CAPSCREW - M6 X 1.00 X 25	8
7	MM0469	LOCKWASHER - M6	8
8	XC0164	PLATE, CONNECTOR MOUNTING	1
9	PC1701	FITTING, BULKHEAD (COAX)	2

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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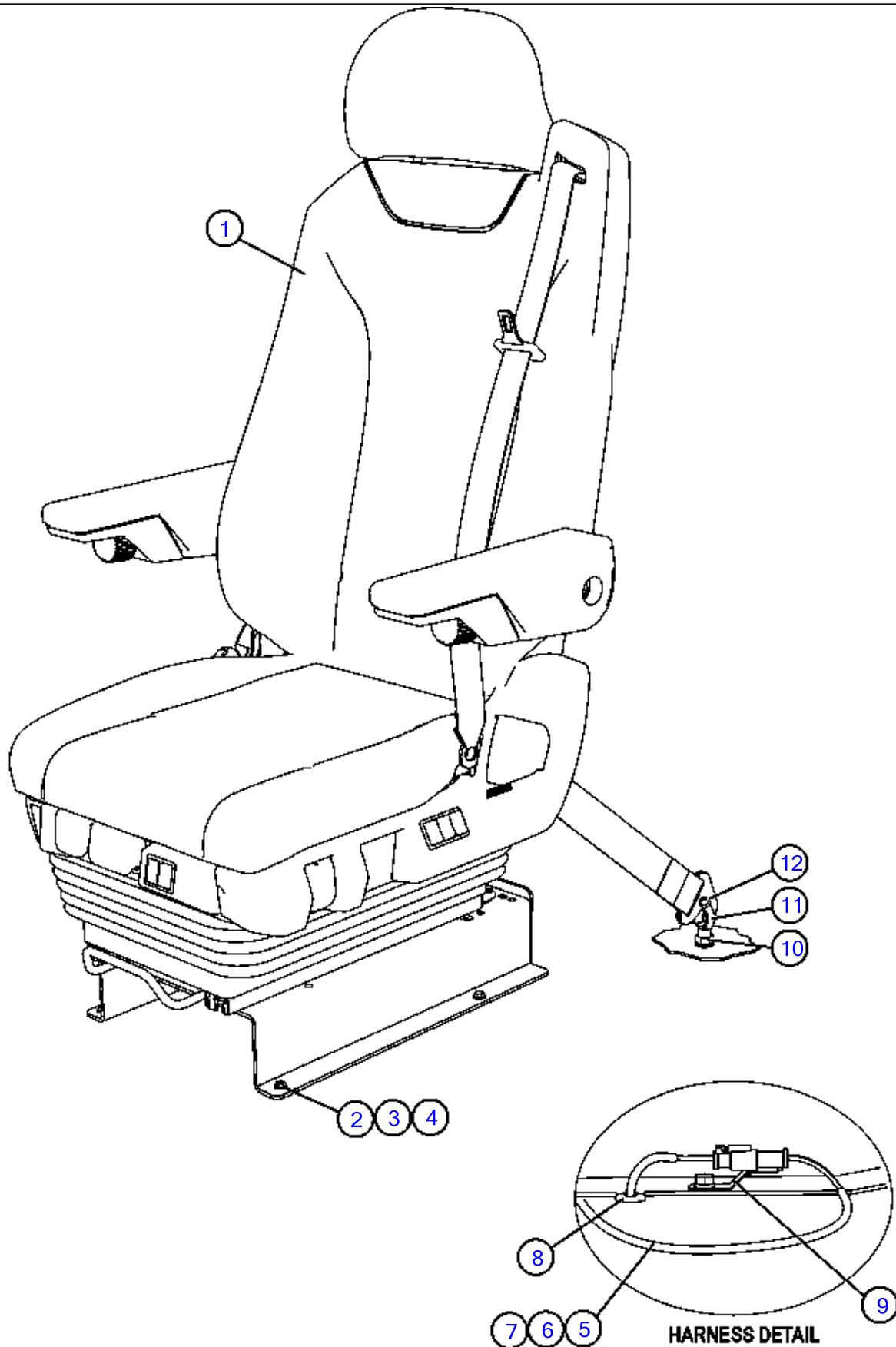
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 A31597 ANTAMINA**  
**CAB LIGHTS**

Item	Part No	Description	Qty
1	EM8073	LED, BRAKE - RED	1
2	EM8074	LED, RETARD - AMBER	1
3	WA5654	SCREW	3
4	VE5837	LIGHT, DOME	1
	VE8635	· LENS, PLASTIC	1
	VE8636	· SWITCH	1
	VZ1912	· BULB	1
5	XB5532	TUBE, FLEX	2
	TR1374	LOCKWASHER - 1/2" (EXTERNAL TOOTH)	2

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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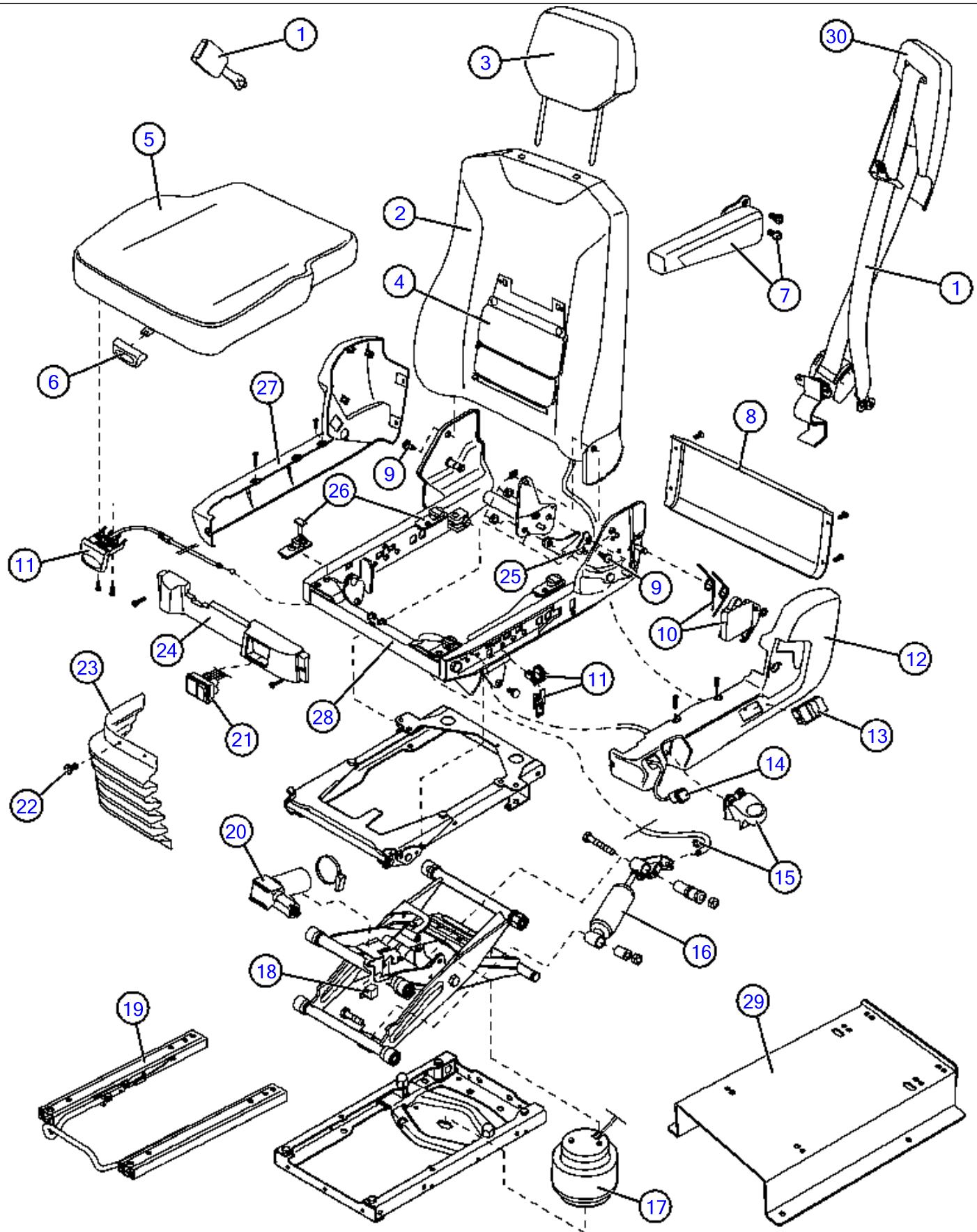


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 A31597 ANTAMINA

## OPERATOR SEAT INSTALLATION

Item	Part No	Description	Qty	Page
1	PC3494	SEAT ASSEMBLY (SEE INDEX)	1	172
2	TD0794	CAPSCREW - 5/16" - 18NC X 3/4"	4	
3	TV0177	FLAT WASHER - 5/16"	4	
4	SC4174	LOCKWASHER - 5/16"	4	
5	EM2889	Harness, Seat	1	
6	EM8613	Harness, Seat Jumper	1	
7	VH5017	Tie, Cable	1	
8	VP4693	Grommet, Rubber	1	
9	08193-21012	Clip	1	
10	TG3941	Jam Nut	1	
11	PB9772	Eye Bolt	1	
12	XA4844	Pin, Cotter	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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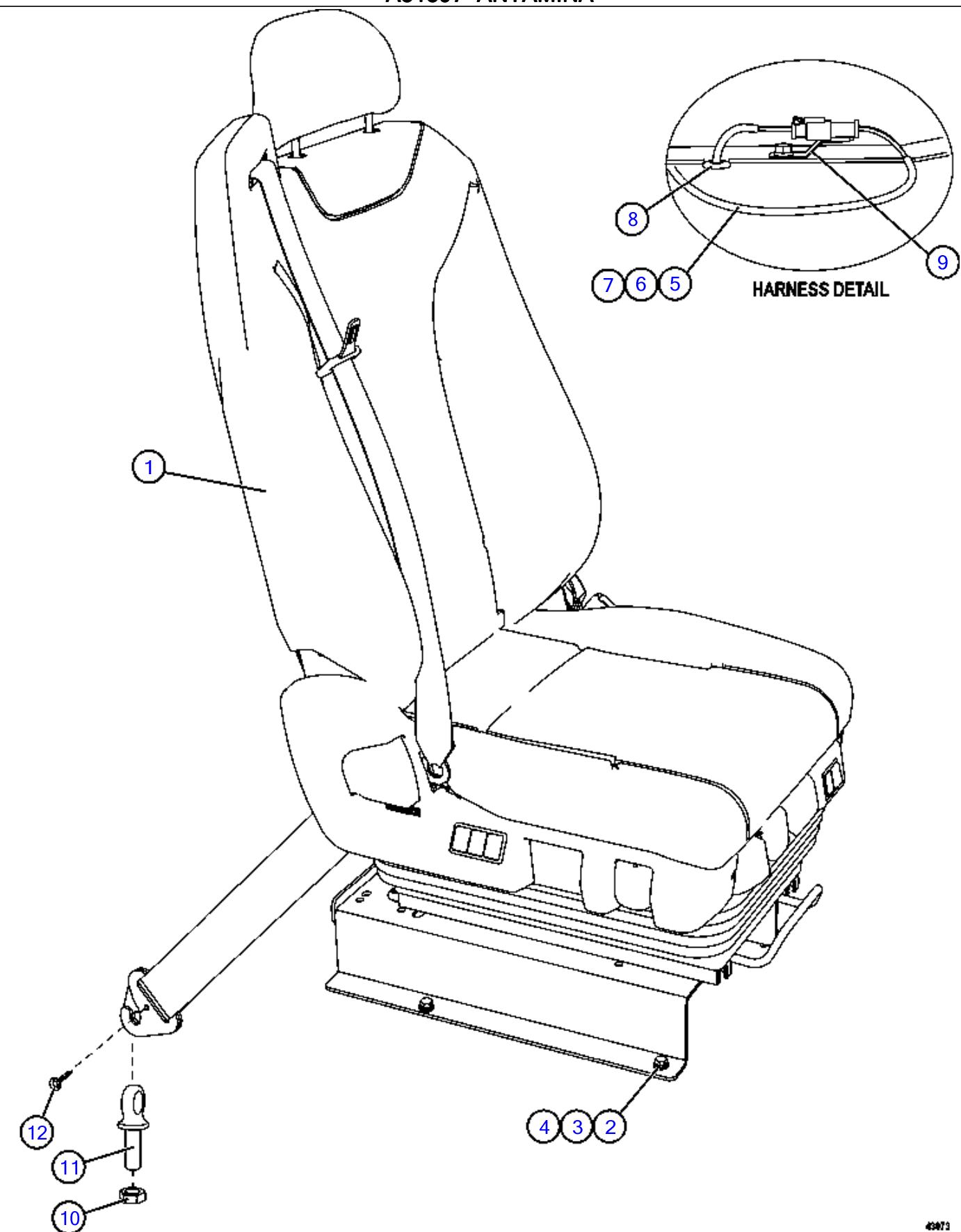


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 A31597 ANTAMINA

## OPERATOR SEAT PC3494

Item	Part No	Description	Qty
1	XA6070	LH SEAT BELT ASSEMBLY	1
	XA5492	TETHER KIT, EXTERNAL	1
2	XA5507	BACKREST ASSEMBLY	1
	XA5489	• COVER, BACKREST	1
3	XA5490	• HEADREST	1
4	XA5509	• LUMBAR ASSEMBLY	1
5	XA5520	CUSHION ASSEMBLY, SEAT	1
	XA5505	• COVER, SEAT CUSHION	1
6	XA5506	• HANDLE, SEAT CUSHION ADJUSTER	1
7	XA5521	ARMREST KIT, LH	1
	XA5522	ARMREST KIT, RH	1
8	XA5518	COVER, REAR	1
9	XA5493	BOLT KIT, SHOULDER	1
10	XA5512	HANDLE ASSEMBLY, BACKREST ADJUSTMENT	1
11	XA5495	ADJUSTER, INCLINATION	1
12	XA5513	SIDE COVER, LH	1
13	XA5515	VALVE (LH)	1
14	XA5514	SWITCH, HEATER	1
15	XA5516	ADJUSTER, SHOCK ABSORBER	1
16	XA5497	SHOCK ABSORBER, ADJUSTABLE	1
17	XA5498	SPRING, AIR	1
18	BF0501	RELAY	1
19	XA5503	SLIDE SET	1
	XA5504	• HANDLE, SLIDE	1
20	XA5499	COMPRESSOR	1
21	XA5496	ADJUSTER, WEIGHT/HEIGHT	1
22	XA5502	FASTENERS KIT	1
23	XA5501	BELLOWS	1
24	XA5517	COVER, FRONT	1
25	XA5511	BOLT, LOCKING	1
26	XA5494	GLIDES	1
27	XA5963	SIDE COVER, RH	1
28	XA5519	FRAME ASSEMBLY, SEAT	1
29	XA6101	RISER	1
30	XA5523	COVER, SHOULDER BELT	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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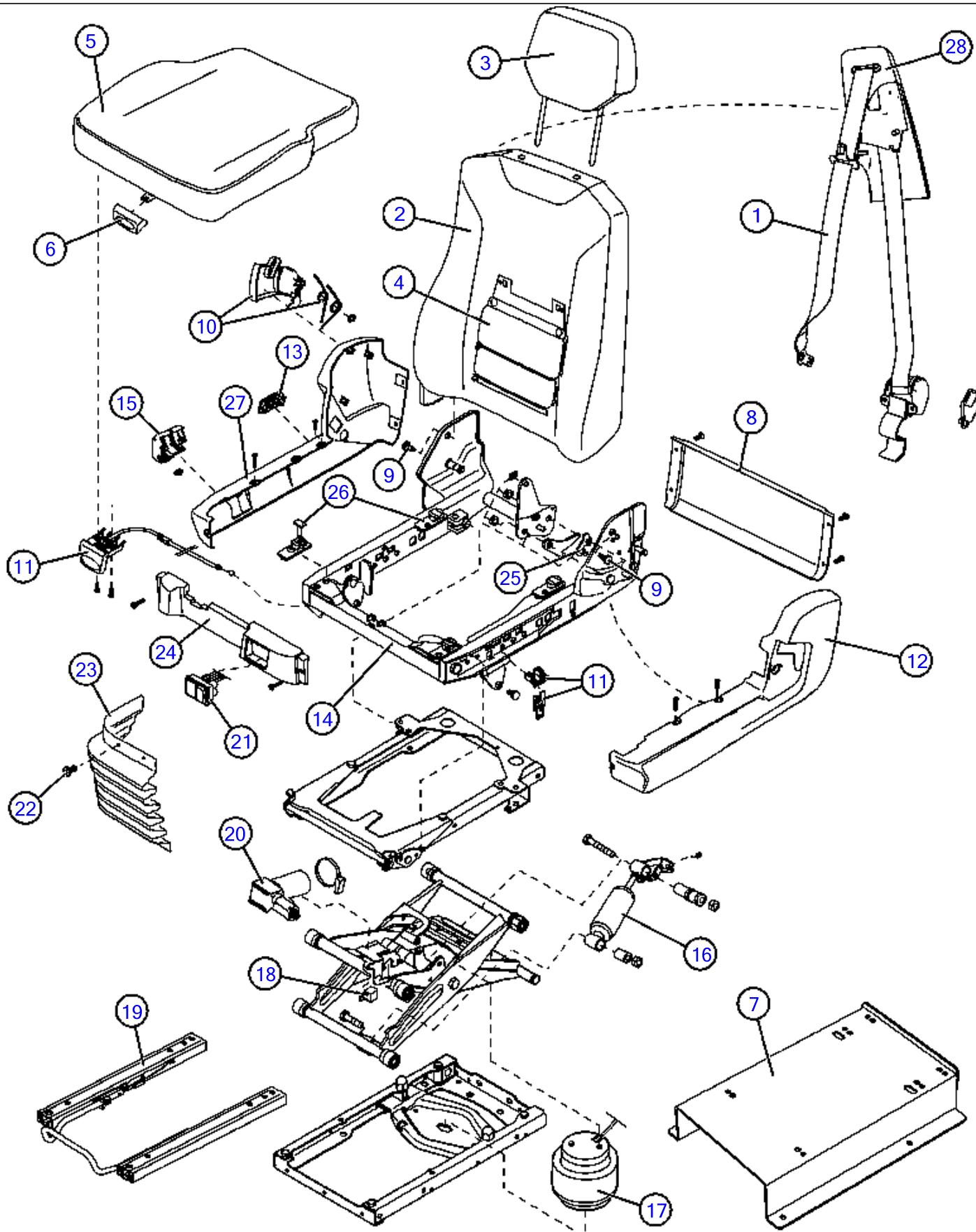


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 A31597 ANTAMINA

## PASSENGER SEAT INSTALLATION

Item	Part No	Description	Qty	Page
1	PC3493	SEAT, PASSENGER (SEE INDEX)	1	176
2	TD0794	CAPSCREW - 5/16" - 18NC X 3/4"	4	
3	SC4174	LOCKWASHER - 5/16"	4	
4	TV0177	FLAT WASHER - 5/16"	4	
5	EM2889	Harness, Seat	1	
6	EM8613	Harness, Seat Jumper	1	
7	VH5017	Tie, Cable	1	
8	VP4693	Grommet, Rubber	1	
9	08193-21012	Clip	1	
10	TG3941	Jam Nut	1	
11	PB9772	Eye Bolt	1	
12	XA4844	Pin, Cotter	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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**A31597 ANTAMINA**

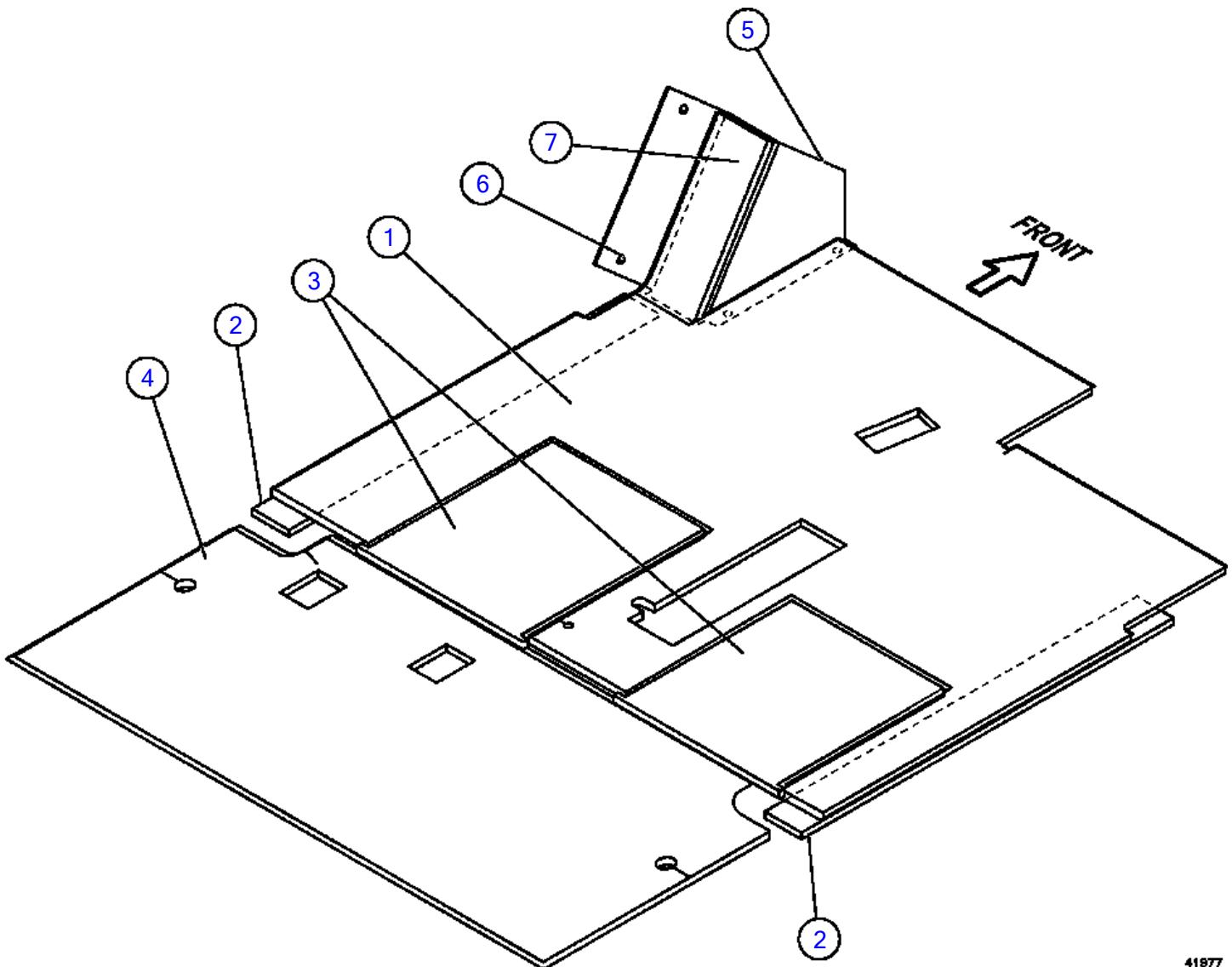


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 A31597 ANTAMINA

PASSENGER SEAT PC3493

Item	Part No	Description	Qty
1	XA6069	RH SEAT BELT ASSEMBLY	1
	XA5492	TETHER KIT, EXTERNAL	1
2	XA5524	BACKREST ASSEMBLY	1
	XA5489	• COVER, BACKREST	1
3	XA5490	• HEADREST	1
4	XA5526	• LUMBAR ASSEMBLY	1
5	XA5536	CUSHION ASSEMBLY, SEAT	1
	XA5505	• COVER, SEAT CUSHION	1
6	XA5506	• HANDLE, SEAT CUSHION ADJUSTER	1
7	XA5491	RISER	1
8	XA5518	COVER, REAR	1
9	XA5493	BOLT KIT, SHOULDER	1
10	XA5529	HANDLE ASSEMBLY, BACKREST ADJUSTMENT	1
11	XA5495	ADJUSTER, INCLINATION	1
12	XA5530	SIDE COVER, RH	1
13	XA5531	VALVE (RH)	1
14	XA5535	FRAME ASSEMBLY, SEAT	1
15	XA5532	ADJUSTER, SHOCK ABSORBER	1
16	XA5497	SHOCK ABSORBER, ADJUSTABLE	1
17	XA5498	SPRING, AIR	1
18	BF0501	RELAY	1
19	XA5503	SLIDE SET	1
	XA5504	• HANDLE, SLIDE	1
20	XA5499	COMPRESSOR	1
21	XA5496	ADJUSTER, WEIGHT/HEIGHT	1
22	XA5502	FASTENERS KIT	1
23	XA5501	BELLOWS	1
24	XA5517	COVER, FRONT	1
25	XA5528	BOLT, LOCKING	1
26	XA5494	GLIDES	1
27	XA5964	SIDE COVER, LH	1
28	XA5537	COVER, SHOULDER BELT	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



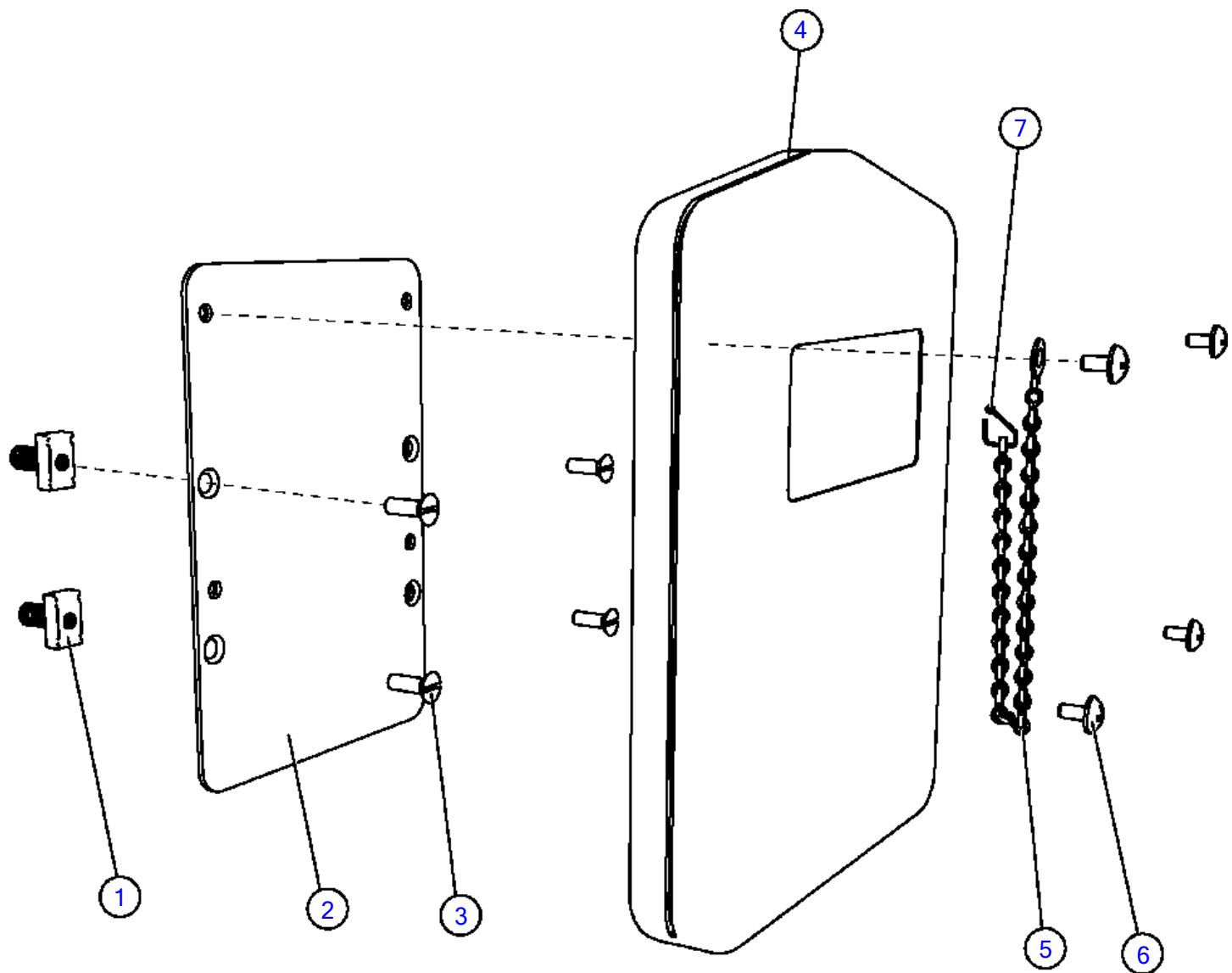
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 A31597 ANTAMINA

### FOOTREST AND FLOOR MATS

Item	Part No	Description	Qty
1	EK2782	FLOOR MAT, FRONT	1
2	SM5435	FLOOR MAT, THRESHOLD	2
3	EK2817	FLOOR MAT, SEAT	2
4	EK2811	FLOOR MAT, REAR	1
5	SM5048	FOOTREST	1
6	27705R1	SCREW, TAP - 1/4" - 14NC X 1"	4
7	SM5434	FLOOR MAT, FOOTREST	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

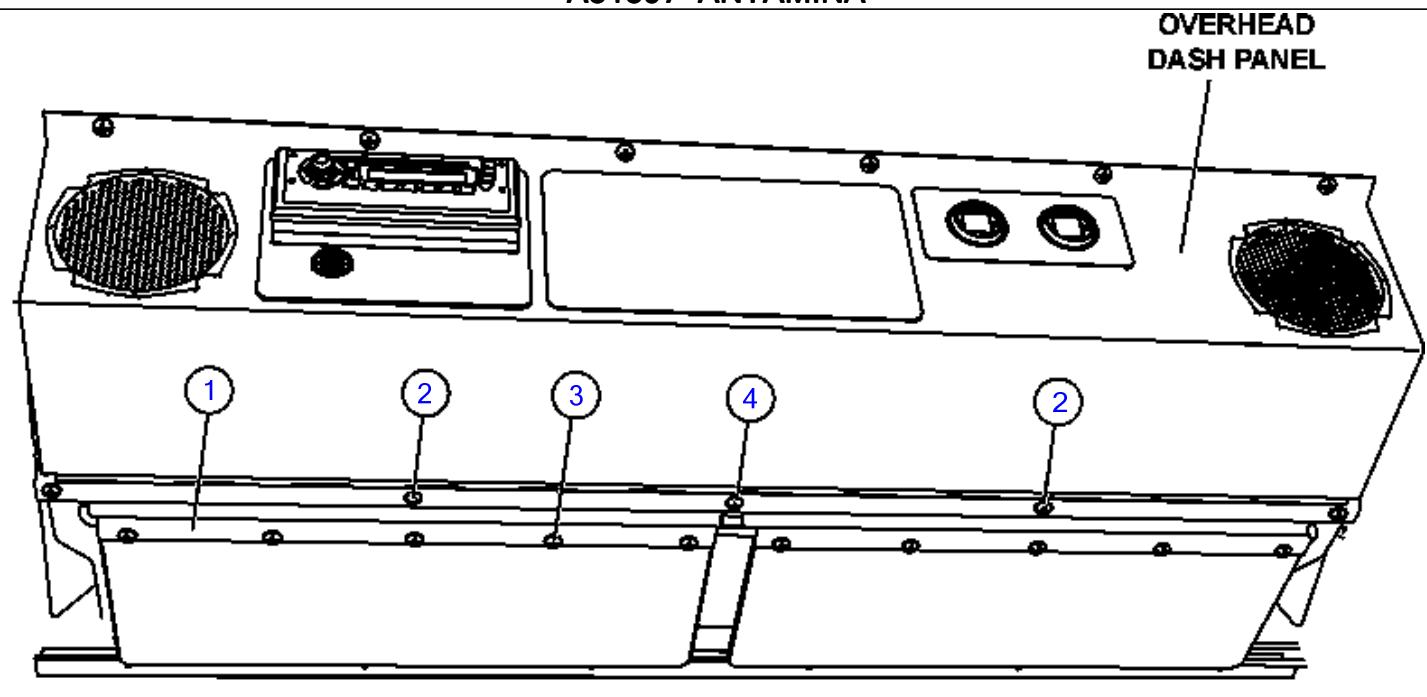


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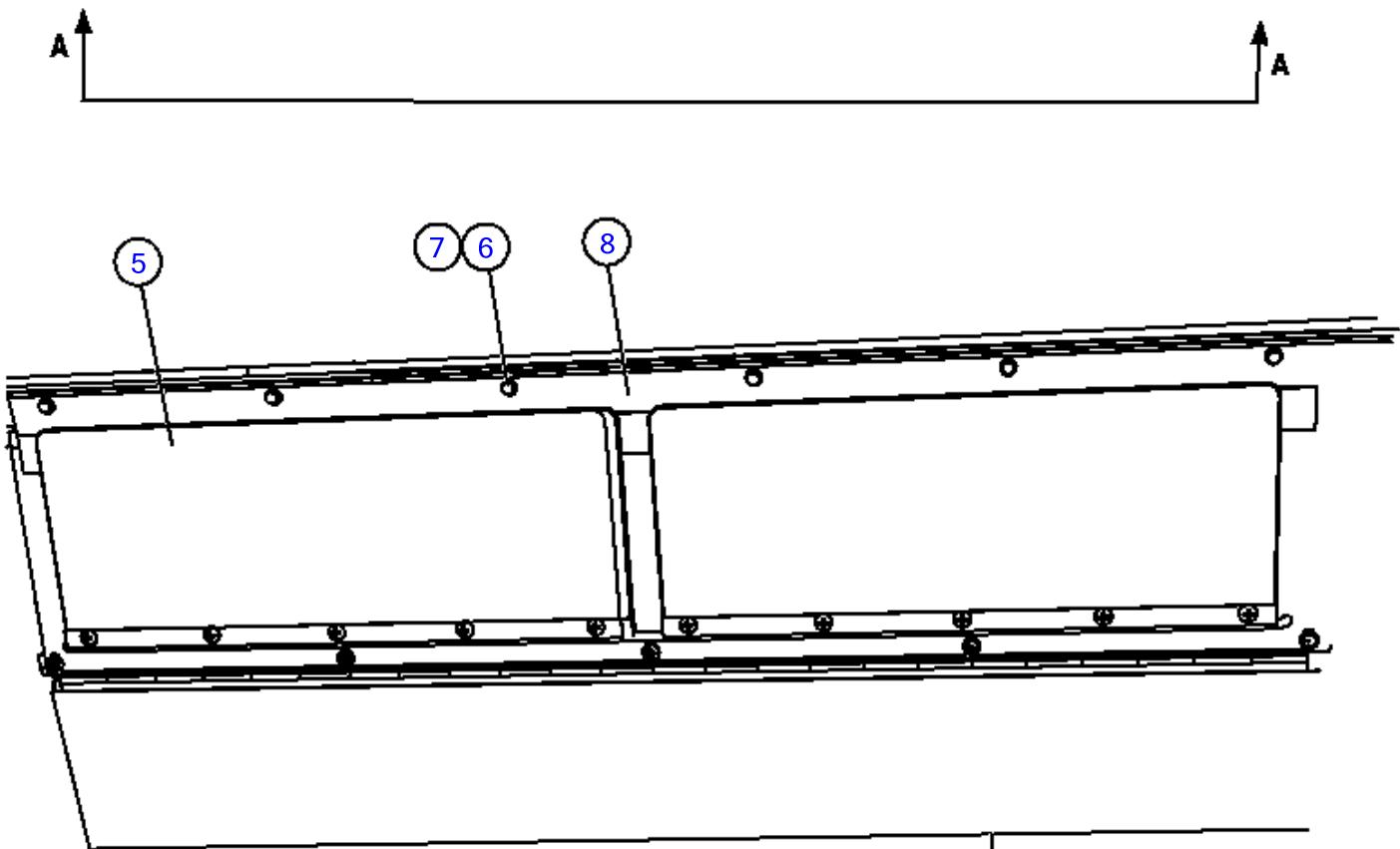
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 A31597 ANTAMINA  
 MANUAL HOLDER**

Item	Part No	Description	Qty
1	PC1825	NUT, SPRING	4
2	EL1098	PLATE	1
3	VN7403	MACHINE SCREW - 5/16" - 18NC X 1	4
4	PC1801	MANUPAK	1
5	SM5245	CHAIN, BEADED	1
6	SM0926	SCREW - M6 X 1.00	4
7	WA3217	COLD SHUT	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



OVERHEAD  
DASH PANEL



VIEW A-A

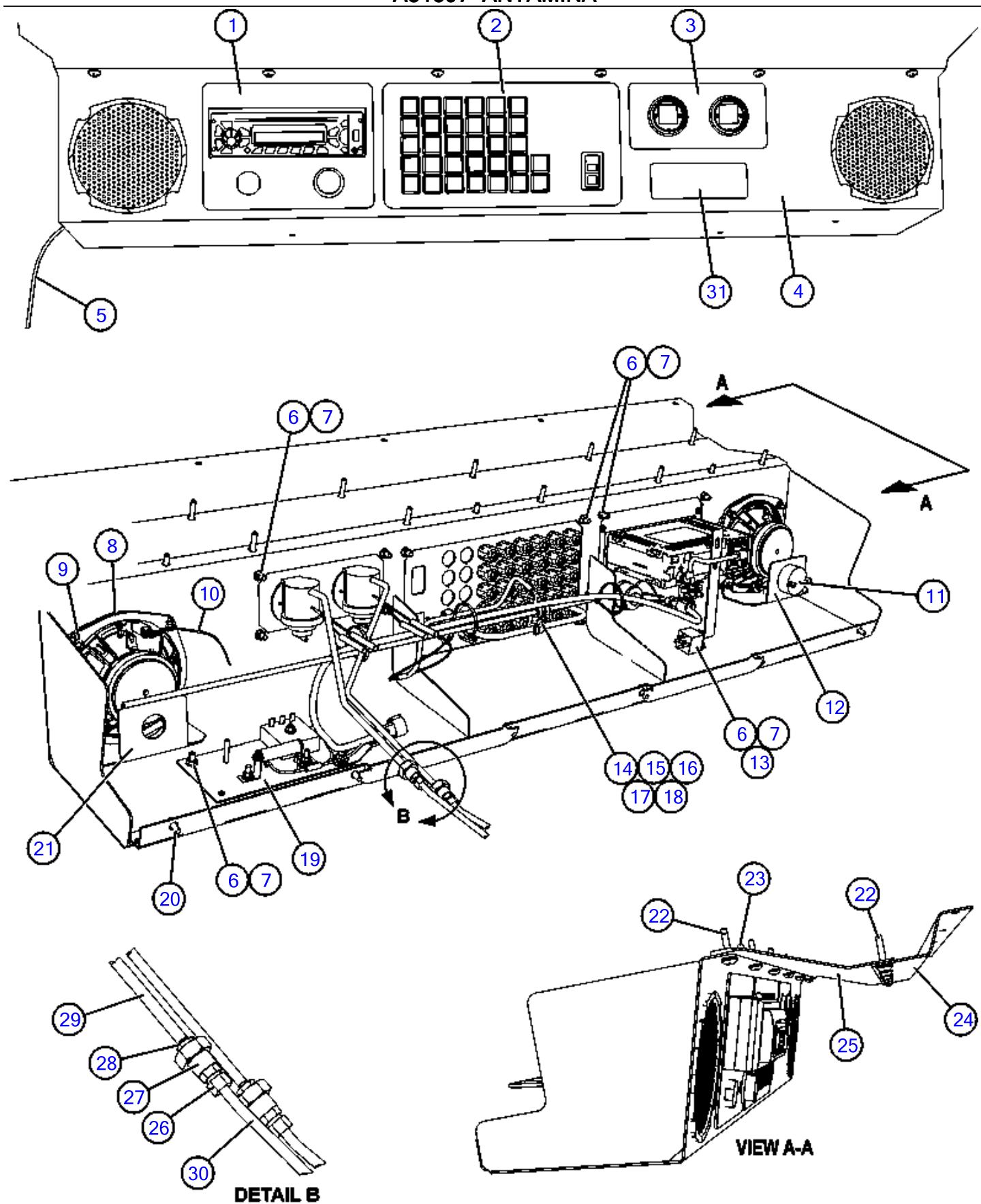
OVERHEAD DASH  
PANEL

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### VISOR INSTALLATION

Item	Part No	Description	Qty
1	EK2770	SHEET, FORMED	2
2	PB9829	SCREW - M6 X 1.00 X 16	4
3	SM0926	SCREW - M6 X 1.00	10
4	PB8658	SCREW - M6 X 1.00 X 30	1
5	SM5244	LENS, VISOR	2
6	31127R1	CAPSCREW - M6 X 1.00 X 12	6
7	MM0207	LOCKWASHER - M6 (INTERNAL TOOTH)	6
8	XC2375	CLOSURE, FRONT	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



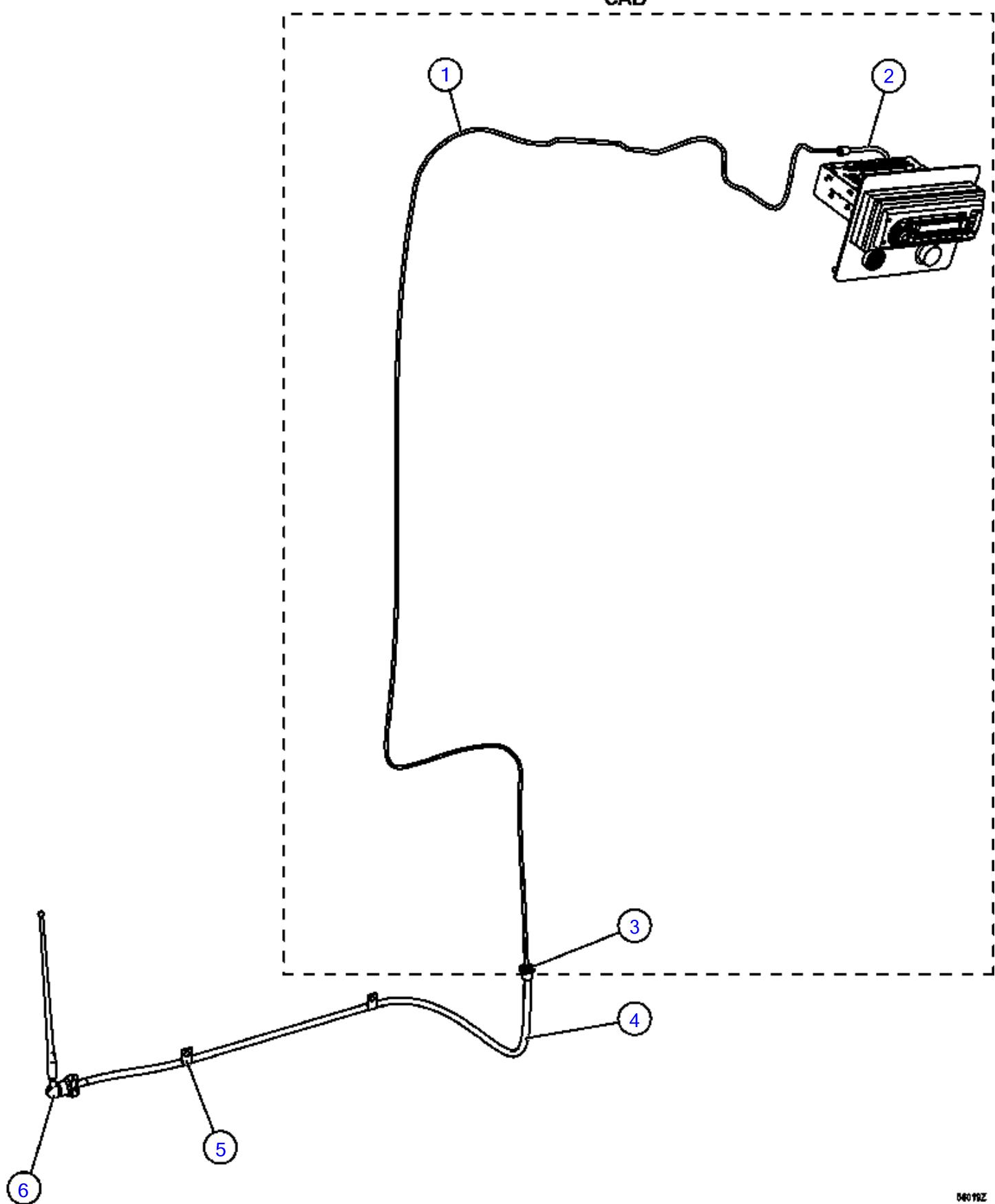
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 A31597 ANTAMINA

## OVERHEAD DASH MODULE

Item	Part No	Description	Qty	Page
1		RADIO MODULE (SEE FIG 42802)	1	188
2		WARNING LIGHTS MODULE (SEE FIG 61993)	1	190
3		AIR CLEANER RESTRICTION GAUGE MODULE (SEE FIG 55669)	1	192
4	XB9625	DASH, OVERHEAD	1	
5	XC3494	HARNESS, CAB OVERHEAD	1	
	EF2687	• RESISTOR - 470 OHM (R16)	1	
	PC2834	• DIODE - 4 AMP (D78, D79, D85, D86, RD1)	5	
6	MM0176	NUT - M6 X 1.00	19	
7	MM0207	LOCKWASHER - M6 (INTERNAL TOOTH)	19	
8	PC0724	SPEAKER ASSEMBLY	2	
9	WA3367	NUT ASSEMBLY	10	
10	EM0177	HARNESS, SPEAKER	2	
11	PC0251	SONALARM	1	
12	SM5122	BRACKET - L.H. SIDE	1	
13	PB4767	RELAY	1	
14	WB1301	CLAMP, CUSHIONED - 1/4"	1	
15	WB1302	CLAMP, CUSHIONED - 5/16"	1	
16	MM0036	CAPSCREW - M10 X 1.50 X 20	1	
17	MM0719	NUT - M10 X 1.50	1	
18	MM0461	FLAT WASHER - M10	1	
19	XB9653	MODULE, DIMMER/TIMER CONTROL (SEE FIG 43352)	1	194
20	31127R1	CAPSCREW - M6 X 1.00 X 12	6	
21	EL7679	BRACKET - R.H. SIDE	1	
22	PB8658	SCREW - M6 X 1.00 X 30	12	
23	SM2682	SCREW, COUNTERSUNK	3	
24	EL3810	SHEET	1	
25	EK2766	PLATE	1	
26	TA0603	FITTING, NYLON	2	
27	PB9056	FITTING, COMPRESSION - FEMALE	2	
28	PB9051	FITTING, SINGLE BARB W/FILTER	2	
29	PB9050	HOSE, VACUUM	2	
30	TM4777	TUBE, NYLON	2	
31	XC0106	COVER ASSEMBLY	1	
	XC0133	• PLATE	1	
	XC0108	• DECAL	1	
	PB8660	• STUD	4	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

CAB

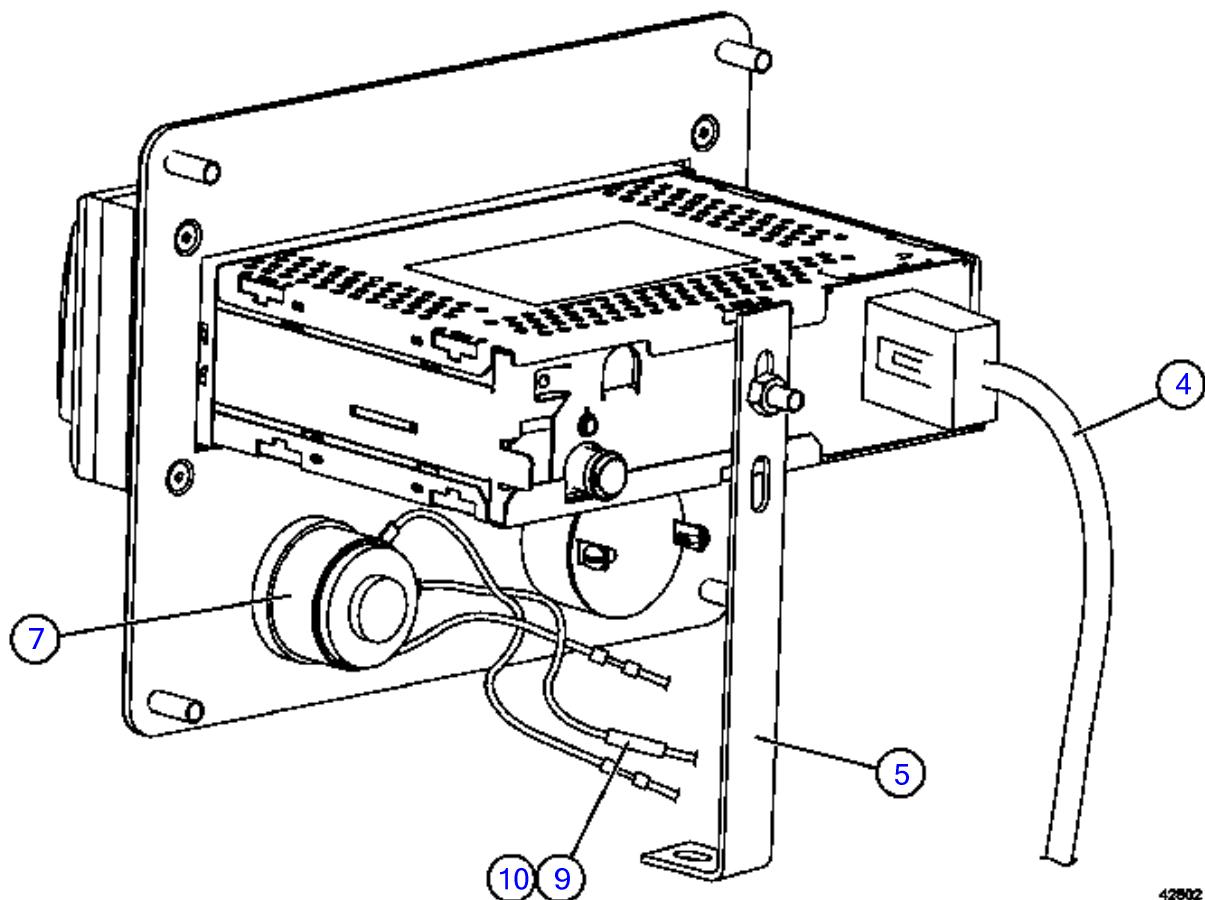
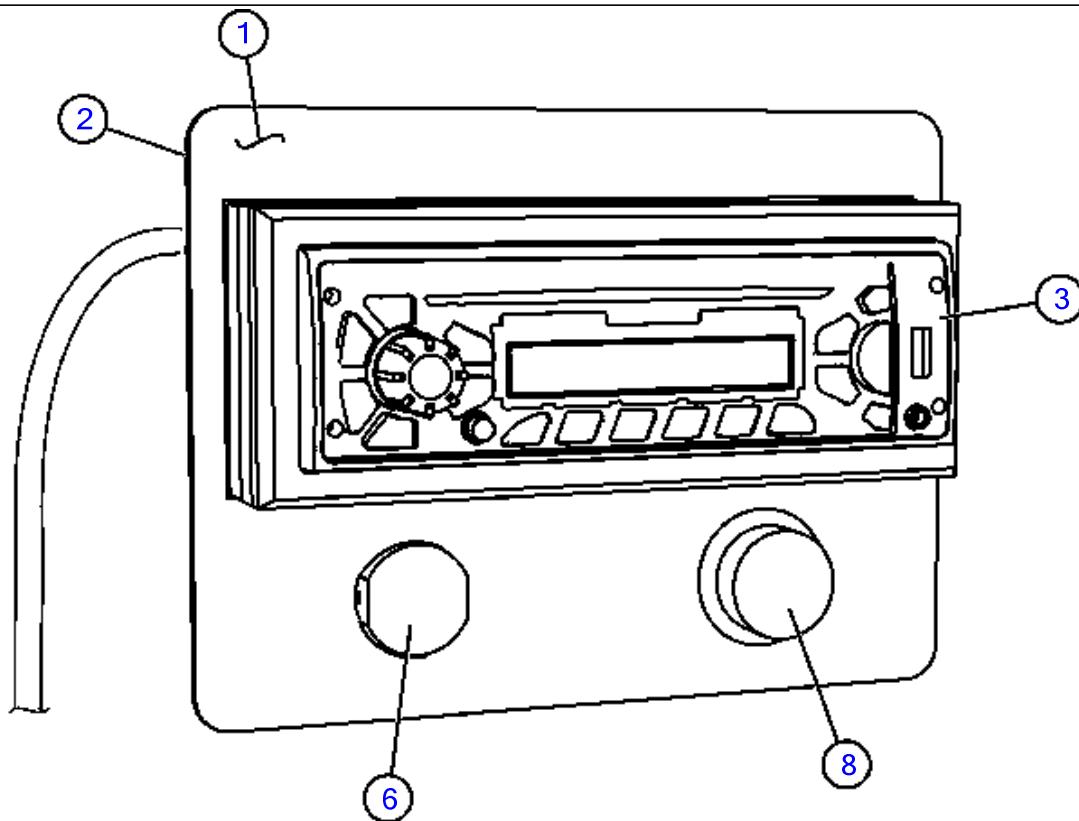


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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA

## RADIO ANTENNA INSTALLATION

Item	Part No	Description	Qty
1	PB9957	CABLE, ANTENNA EXTENSION	1
2	EJ7875	ADAPTER, ANTENNA	1
3	VY2784	GROMMET, RUBBER	1
4	PB9916	CABLE, ANTENNA EXTENSION	1
5	TG2562	CLAMP, VINYL - 1/2" I.D.	2
6	PB9985	ANTENNA, RADIO	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

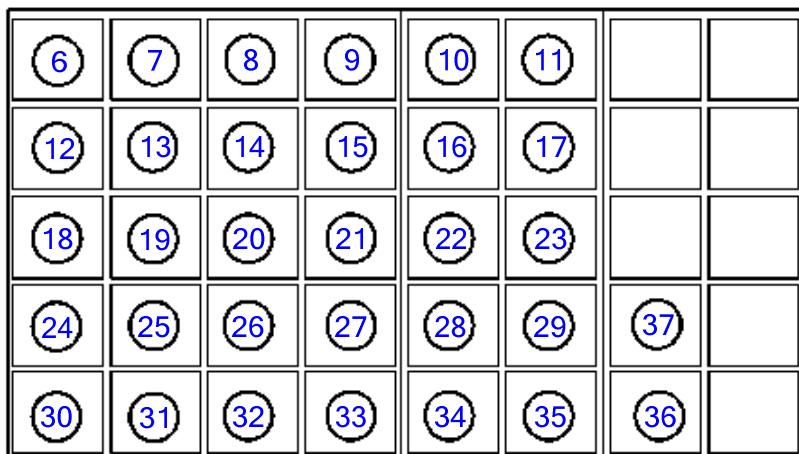
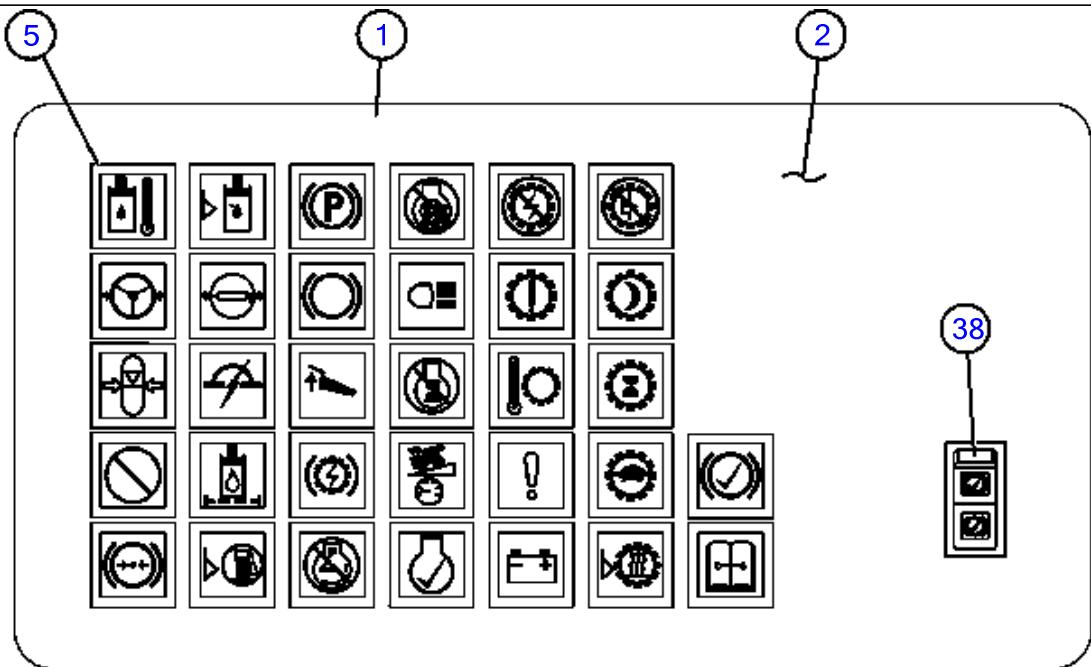


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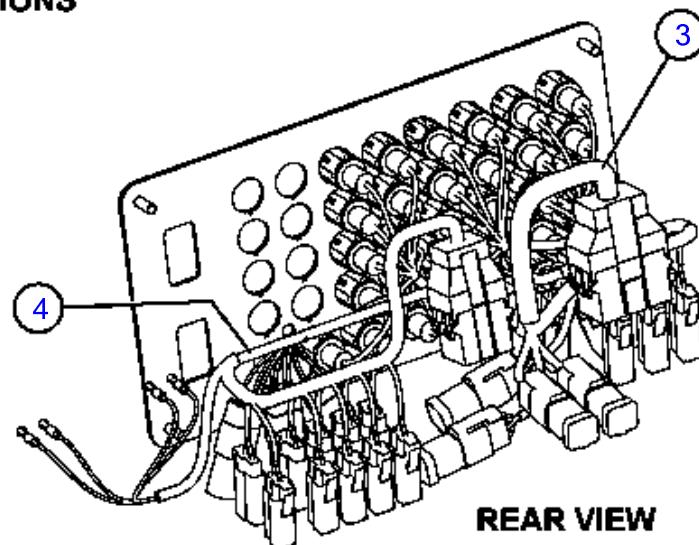
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA  
 RADIO MODULE**

Item	Part No	Description	Qty
1	SM2701	LEXAN OVERLAY	1
2	EL5798	MOUNT, RADIO	1
3	PC2886	RADIO	1
4	EJ1556	HARNESS, RADIO	1
5	EK4230	SUPPORT	1
6	PC0441	ALARM, AUDIBLE	1
7	EK7524	POTENTIOMETER (DIMMER CONTROL)	1
8	PB5957	KNOB	1
9	SF9896	KNIFE, DISCONNECT	1
10	DL4172	SLEEVE, INSULATING	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



**WARNING DECAL  
LOCATIONS**

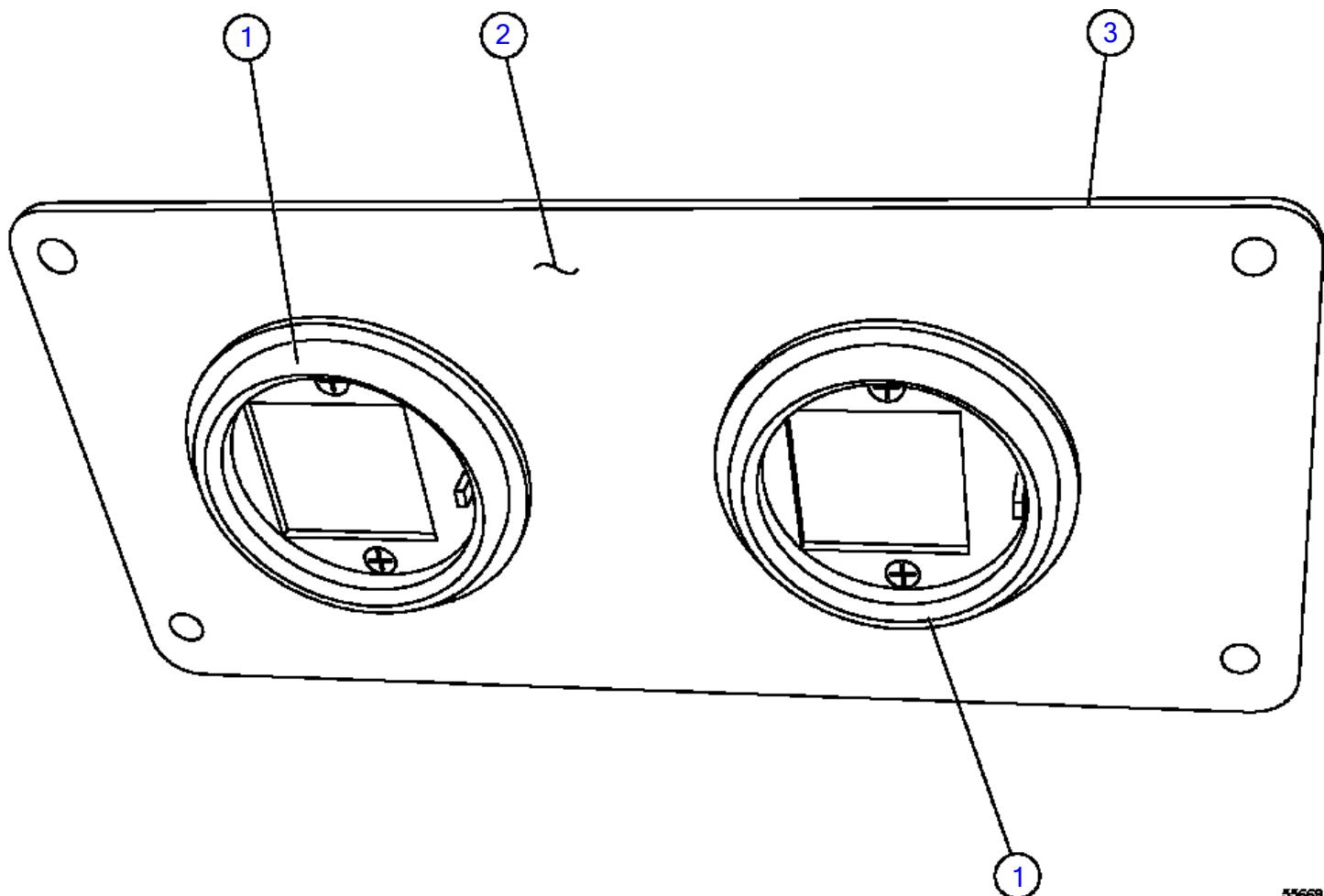


**REAR VIEW**

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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA**  
**WARNING LIGHTS MODULE**

Item	Part No	Description	Qty
1	EM9144	PLATE, WARNING LIGHT	1
2	EM9145	LEXAN OVERLAY	1
3	EM4315	HARNESS, WARNING LIGHTS - STANDARD	1
	421-06-11970	• DIODE - 3 AMP (D33, D34, D36, D37, D38, D72, D73)	7
4	EM9139	HARNESS, WARNING LIGHTS - DRIVE SYSTEM	1
	421-06-11970	• DIODE - 3 AMP (D1 - D10)	10
5	SM4443	FLASHER ASSEMBLY - CLEAR LENS	30
	VL6234	BULB	30
6	SM4473	DECAL, CYLINDER OIL TEMPERATURE	2
7	SM5083	DECAL, CYLINDER OIL LEVEL	1
8	SM5052	DECAL, PARKING BRAKE	1
9	EJ8283	DECAL, CRANK MOTOR FAILURE	1
10	SM5103	DECAL, NO POWER (PROPULSION SYSTEM)	1
11	SM5102	DECAL, NO PROPULSION	1
12	SM5065	DECAL, STEERING SYSTEM PRESSURE	1
13	EG3303	DECAL, LOW LUBE PRESSURE	1
14	SM5056	DECAL, BRAKE	1
15	SM4470	DECAL, BACKUP LIGHTS	1
16	SM5099	DECAL, PROPULSION SYSTEM WARNING	1
17	SM5106	DECAL, PROPULSION SYSTEM REST	1
18	SM5053	DECAL, ACCUMULATOR PRE-CHARGE PRESSURE	1
19	SM5089	DECAL, CIRCUIT BREAKER TRIPPED	1
20	SM5075	DECAL, BODY-UP	1
21	EM4308	DECAL, TIMED ENGINE SHUTDOWN	1
22	SM5098	DECAL, PROPULSION SYSTEM TEMPERATURE	1
23	SM5105	DECAL, PROPULSION SYSTEM NOT READY	1
24	SM4315	DECAL, NOT USED	1
25	SM5084	DECAL, CYLINDER OIL FILTER	1
26	SM5070	DECAL, RETARDER	1
27	SM5071	DECAL, RETARDER SPEED CONTROL	1
28	EM0008	DECAL, MAINTENANCE (RED)	1
29	SM5097	DECAL, REDUCED PROPULSION	1
30	SM5057	DECAL, LOW BRAKE OIL PRESSURE	1
31	SM5078	DECAL, LOW FUEL LEVEL	1
32	SM5063	DECAL, ENGINE SHUTDOWN	1
33	SM5076	DECAL, CHECK ENGINE	1
34	SM5058	DECAL, BATTERY CHARGE	1
35	SM5101	DECAL, RETARD AT CONTINUOUS LEVEL	1
36	EM4311	DECAL, MAINTENANCE (AMBER)	1
37	EM9137	DECAL, BRAKE TEST	1
38	PC2648	SWITCH, ROCKER (BRAKE TEST)	1
NS		NOTE: MODULE NOT SERVICED AS AN ASSEMBLY. ORDER INDIVIDUAL COMPONENT PARTS.	
NS			

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



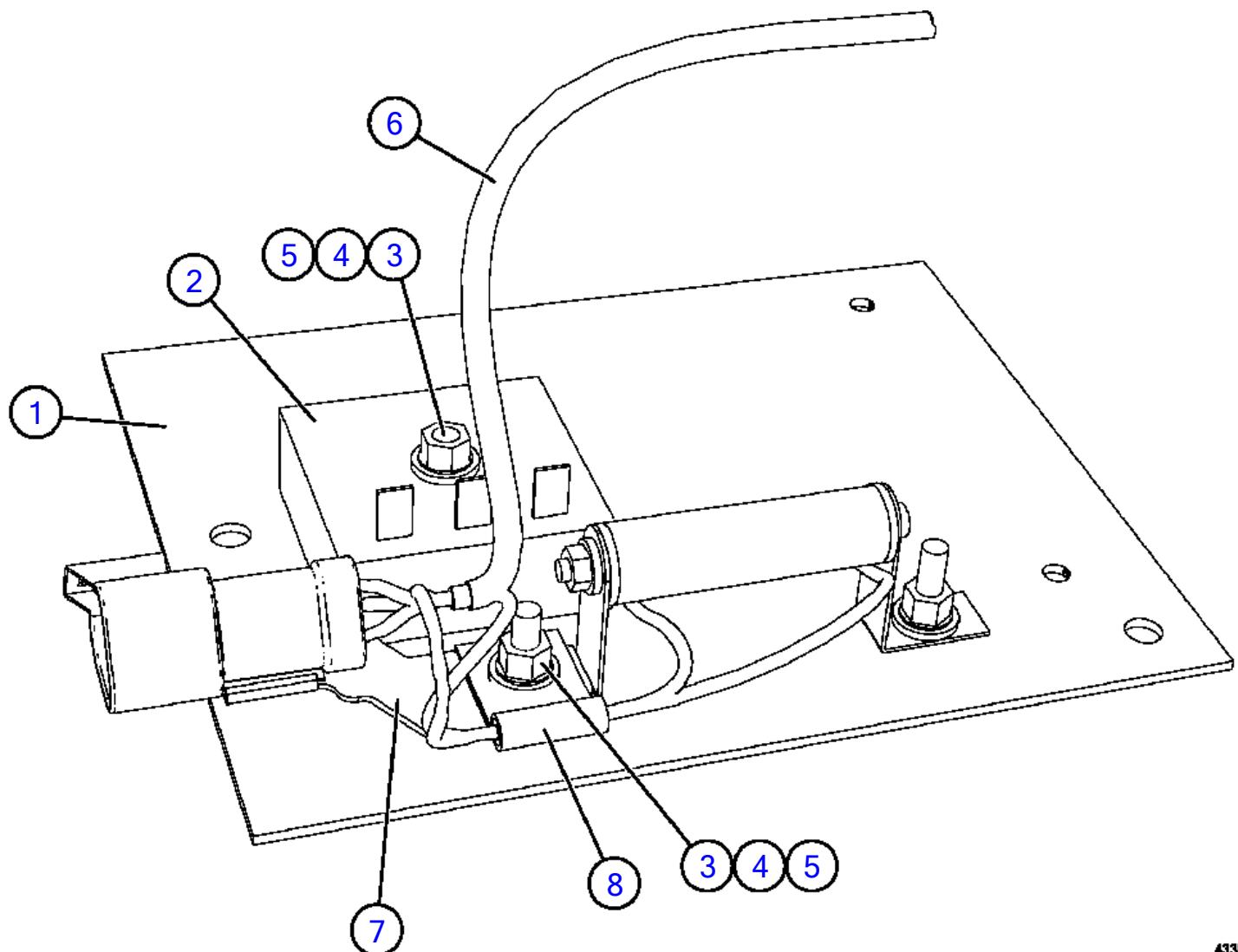
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A31597 ANTAMINA

### AIR CLEANER RESTRICTION GAUGE MODULE

Item	Part No	Description	Qty
1	PB8987	GAUGE, AIR CLEANER RESTRICTION	2
2	EL1087	LEXAN OVERLAY	1
3	EL1084	PLATE, MOUNTING	1
NS		NOTE: MODULE NOT SERVICED AS AN ASSEMBLY. ORDER INDIVIDUAL COMPONENT PARTS.	
NS			

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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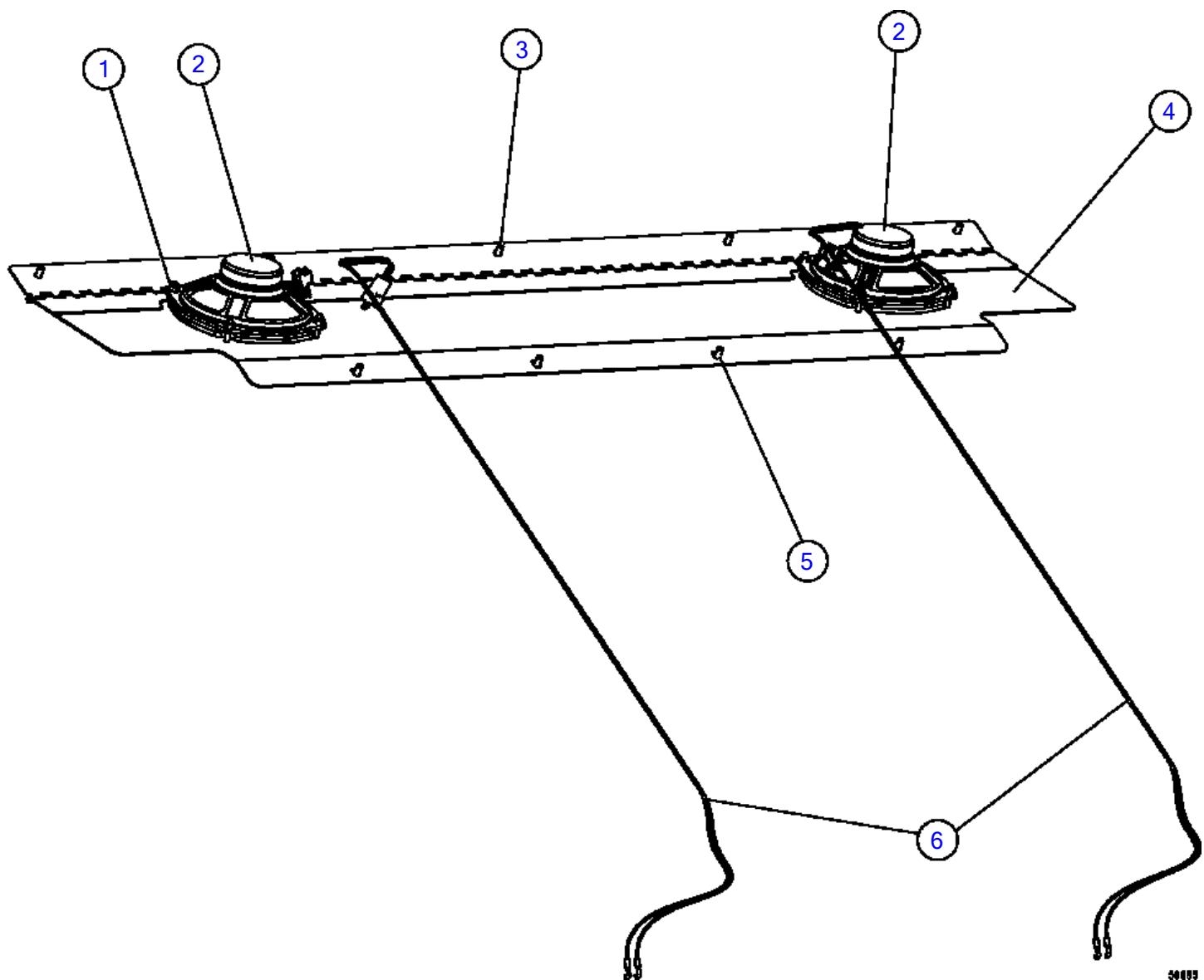
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 A31597 ANTAMINA

### DIMMER TIMER MODULE

Item	Part No	Description	Qty
1	XB9656	PLATE, MOUNTING	1
2	PC2422	TIMER (LOW FUEL BUZZER)	1
3	MM0373	NUT - M5 X .8	3
4	MM0379	LOCKWASHER - M5 (EXTERNAL TOOTH)	3
5	MM0459	FLAT WASHER - M6	3
6	XB9657	HARNESS, DIMMER	1
7	08193-21012	CLIP	1
8	VY3109	CLAMP, VINYL - 1/16"	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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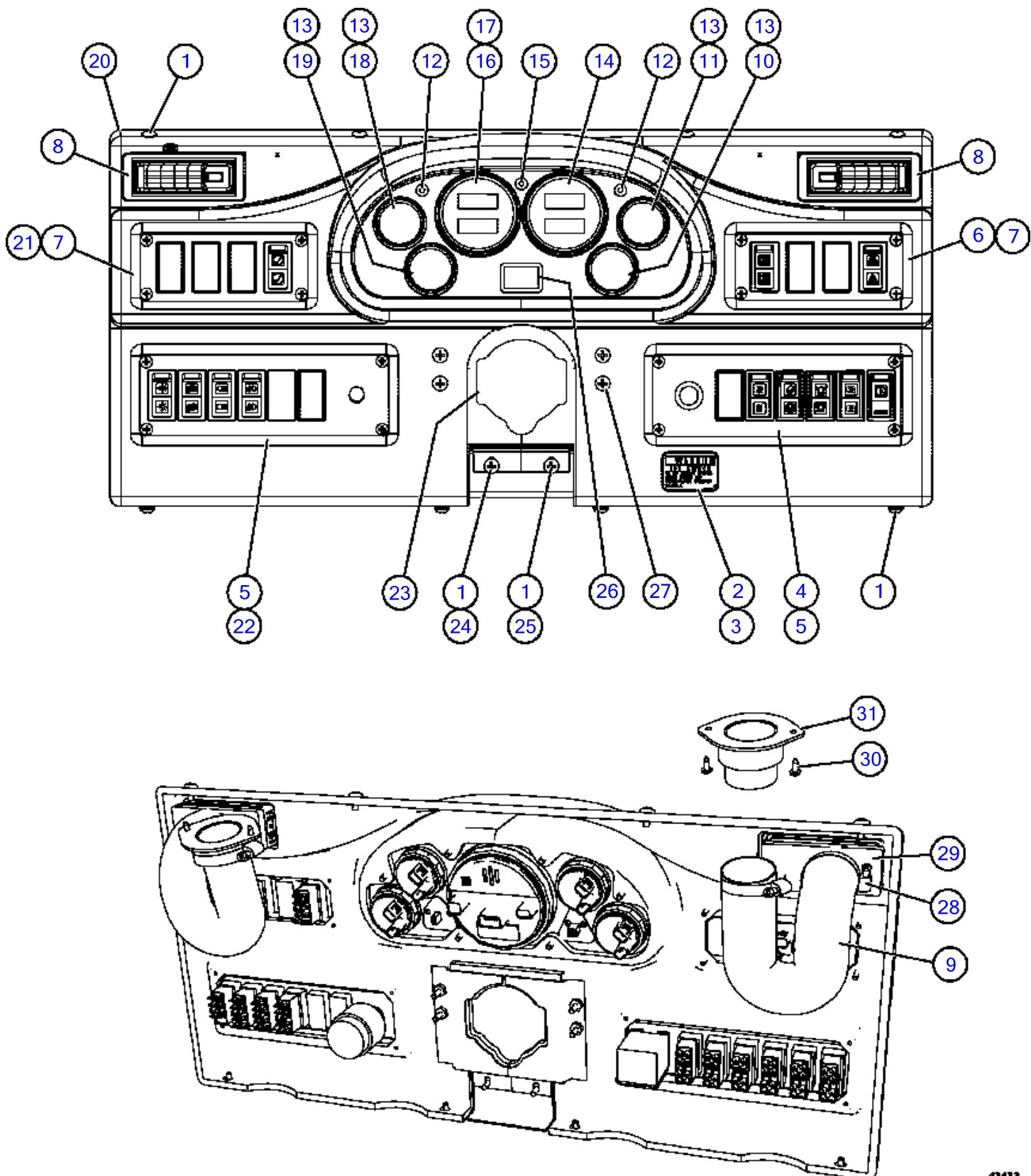


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A31597 ANTAMINA

## REAR SPEAKER INSTALLATION

Item	Part No	Description	Qty
1	WA2858	LOCKNUT - #10 - 24NC	8
2	PC0724	SPEAKER ASSEMBLY	2
3	31127R1	CAPSCREW - M6 X 1.00 X 12	5
4	EL2692	PANEL	1
5	PB8658	SCREW - M6 X 1.00 X 30	4
6	EL2946	HARNESS, SPEAKER	2

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



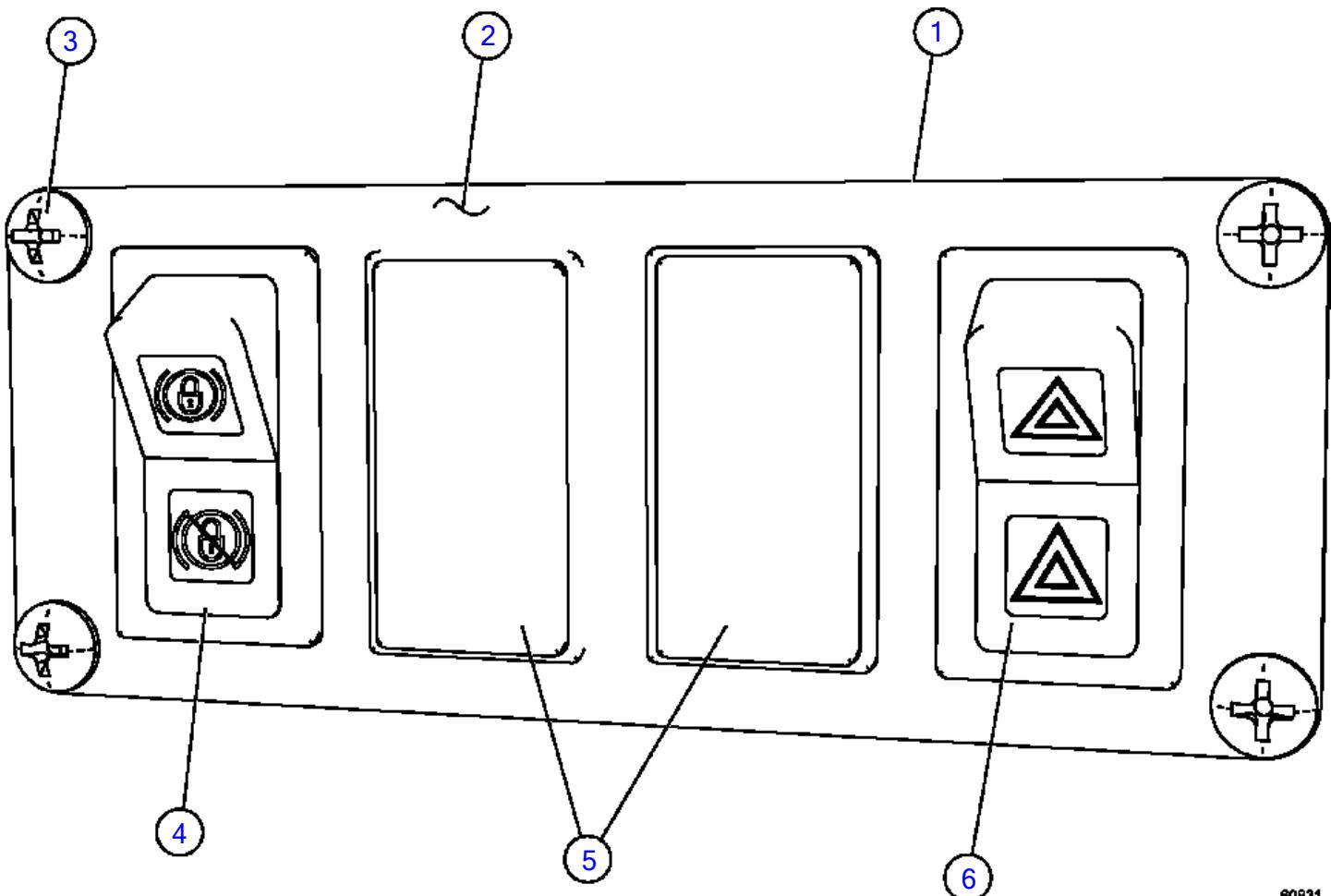
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AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## INSTRUMENT PANEL ASSEMBLY EM4322

Item	Part No	Description	Qty	Page
1	PB9829	SCREW - M6 X 1.00 X 16	10	
2		DECAL, WARNING (KEY SWITCH)	1	
3	DC9822	DRIVE SCREW	4	
4	EM4321	DASH MODULE, LOWER R.H. (SEE FIG 42341)	1	202
5	EK8962	SEAL, LOWER MODULE	2	
6	EL3495	DASH MODULE, UPPER R.H. (SEE FIG 60931)	1	200
7	EK8961	SEAL, UPPER MODULE	2	
8	EK7947	LOUVER, RECTANGULAR	2	
9	EK7946	ADAPTER, HOSE	2	
10	PB6926	GAUGE, FUEL LEVEL	1	
11	PB8551	GAUGE, OIL PRESSURE	1	
12	TW5472	INDICATOR, TURN	2	
	58E-06-02300	• BULB, LED	1	
13	58E-06-02300	BULB, LED	4	
14	PB6984	TACHOMETER, DIGITAL	1	
15	TW3834	INDICATOR, HIGH BEAM	1	
	58E-06-02300	• BULB, LED	1	
16	PC1175	SPEEDOMETER/DISPLAY	1	
17	EL4151	CLAMP, GAUGE MOUNTING	1	
18	PB6303	GAUGE, WATER TEMPERATURE	1	
19	PB9868	GAUGE, HYDRAULIC OIL TEMPERATURE	1	
20	EL1075	DASH PANEL, MOLDED	1	
21	EL4149	DASH MODULE, UPPER L.H. (SEE FIG 60933)	1	204
22	EL4146	DASH MODULE, LOWER L.H. (SEE FIG 60934)	1	206
23	TX7829	SEAL, STEERING COLUMN	1	
24	SM2646	PLATE, SEAL RETAINER - L.H.	1	
25	SM2648	PLATE, SEAL RETAINER - R.H.	1	
26	SM2785	HOURMETER	1	
27	PB8658	SCREW - M6 X 1.00 X 30	4	
28	SM2783	HOSE, AIR	2	
29	CC6103	CLAMP, WORM DRIVE	4	
30	WA4513	SCREW, SELF-TAPPING - #10 - 24NC X 1/2" (1)	4	
31	SM5145	TUBE (1)	2	
NS		NOTE: (1) NOT INCLUDED IN EM4322 INSTRUMENT PANEL ASSEMBLY.		

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



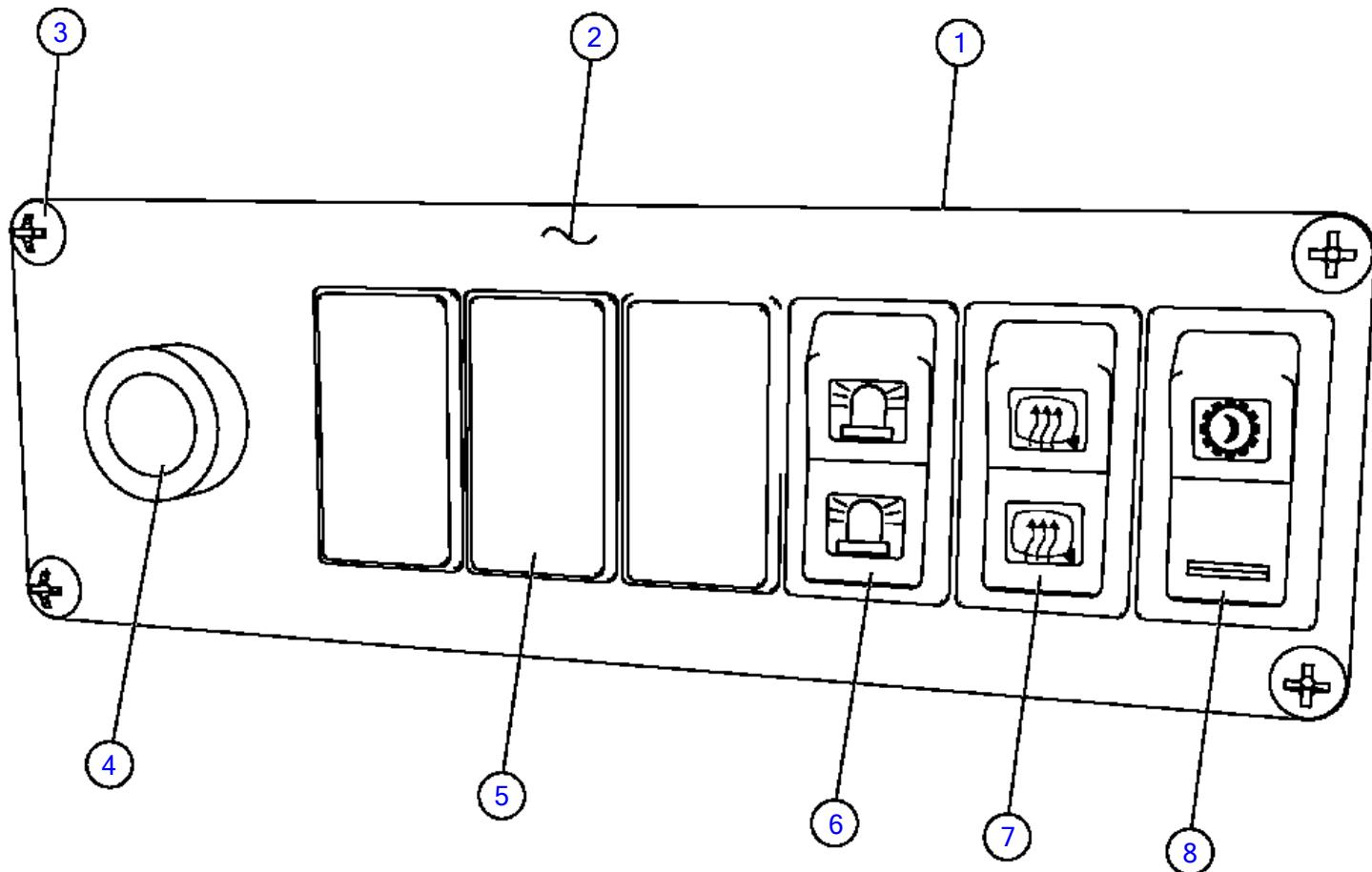
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### UPPER R.H. DASH MODULE

Item	Part No	Description	Qty
1	EL3144	PLATE	1
2	EL3143	DECAL	1
3	WA4605	SCREW, PHILLIPS - #10 - 24NC X 1/2"	4
4	PC1766	SWITCH, ROCKER (BRAKE LOCK)	1
5	1439428H1	PLUG, SWITCH HOLE FILLER	2
6	PC0493	SWITCH, ROCKER (HAZARD FLASHER)	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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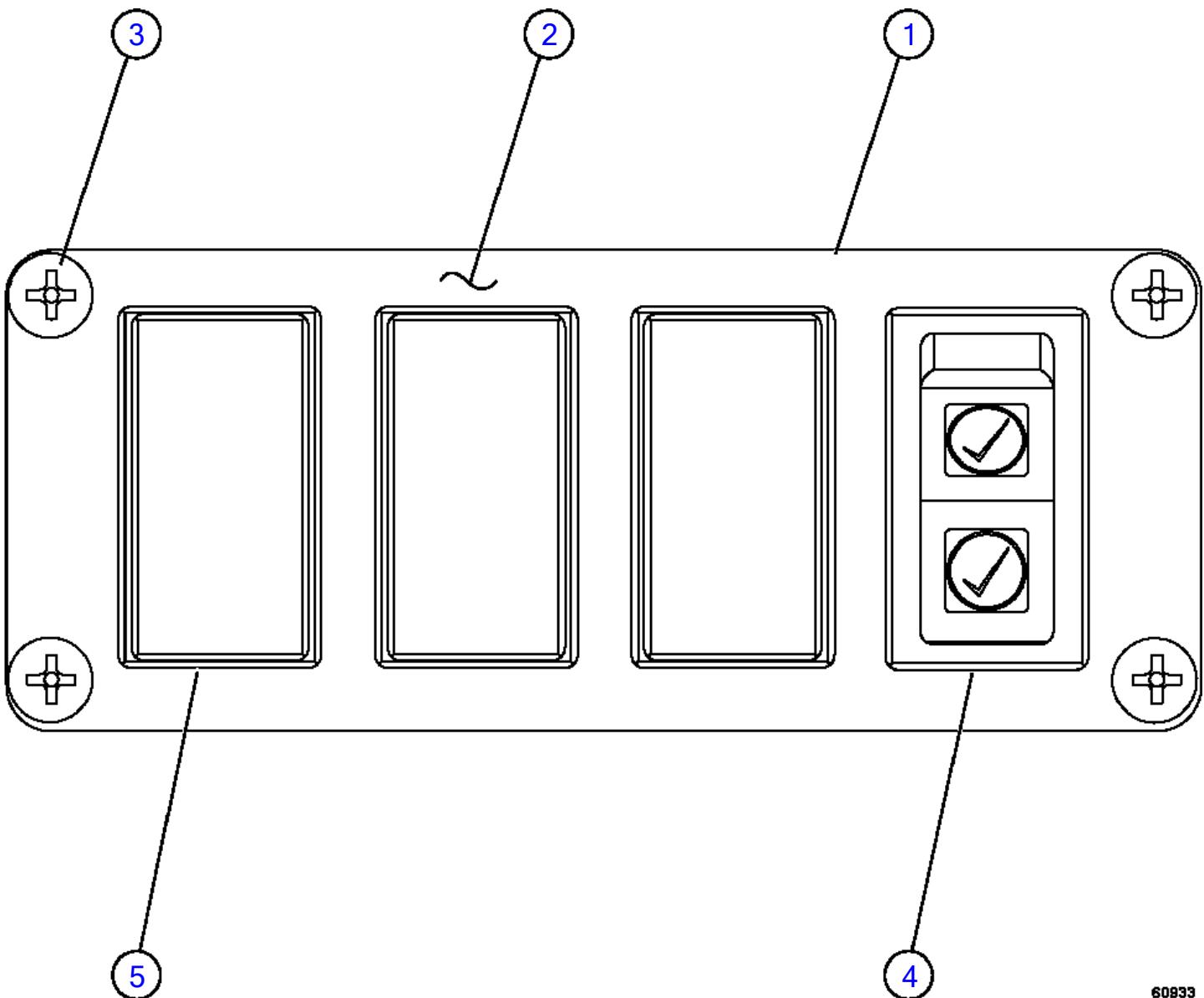
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**LOWER R.H. DASH MODULE**

Item	Part No	Description	Qty	uom
1	EK5527	PLATE	1	
2	EK5539	DECAL	1	
3	WA4605	SCREW, PHILLIPS - #10 - 24NC X 1/2"	4	
4	08086-10000	SWITCH, ENGINE START	1	
5	1439428H1	PLUG, SWITCH HOLE FILLER		AS REQUIRED
6	PC2272	SWITCH, ROCKER (ROTATING BEACON)	1	
7	PC2238	SWITCH, HEATED MIRRORS (OPTIONAL)	1	
8	PC2146	SWITCH, ROCKER (PROPEL REST)	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



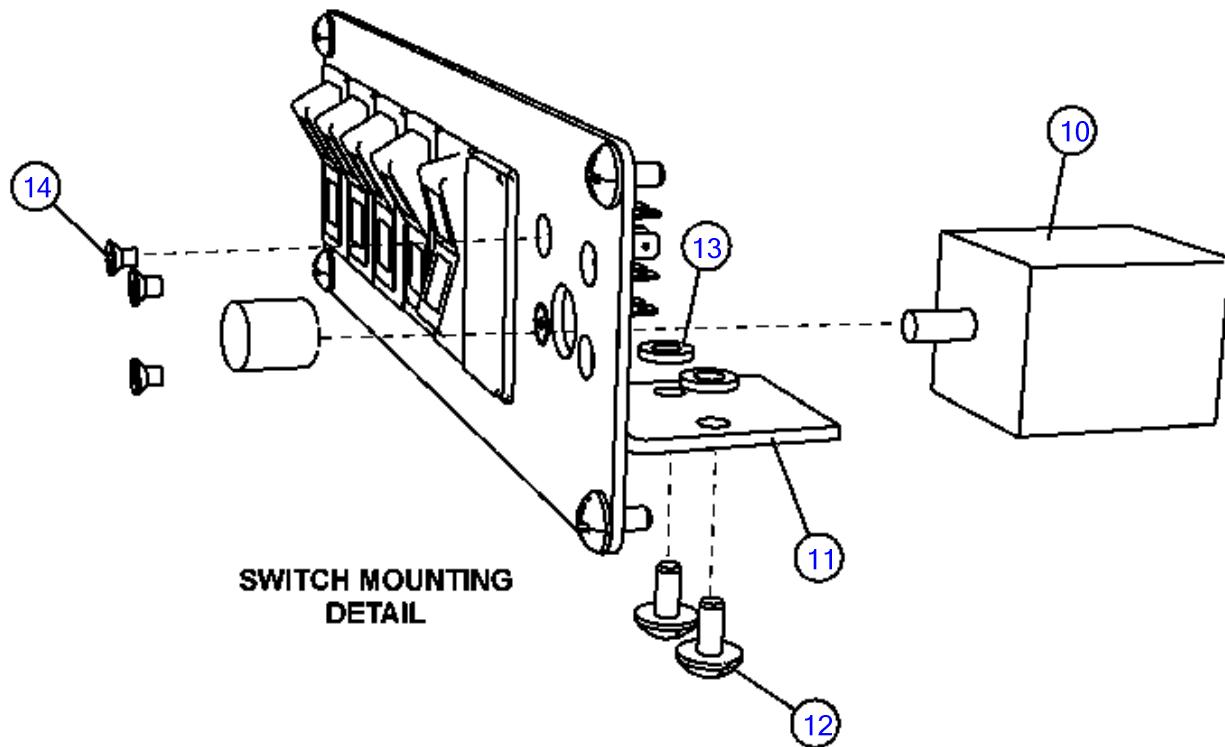
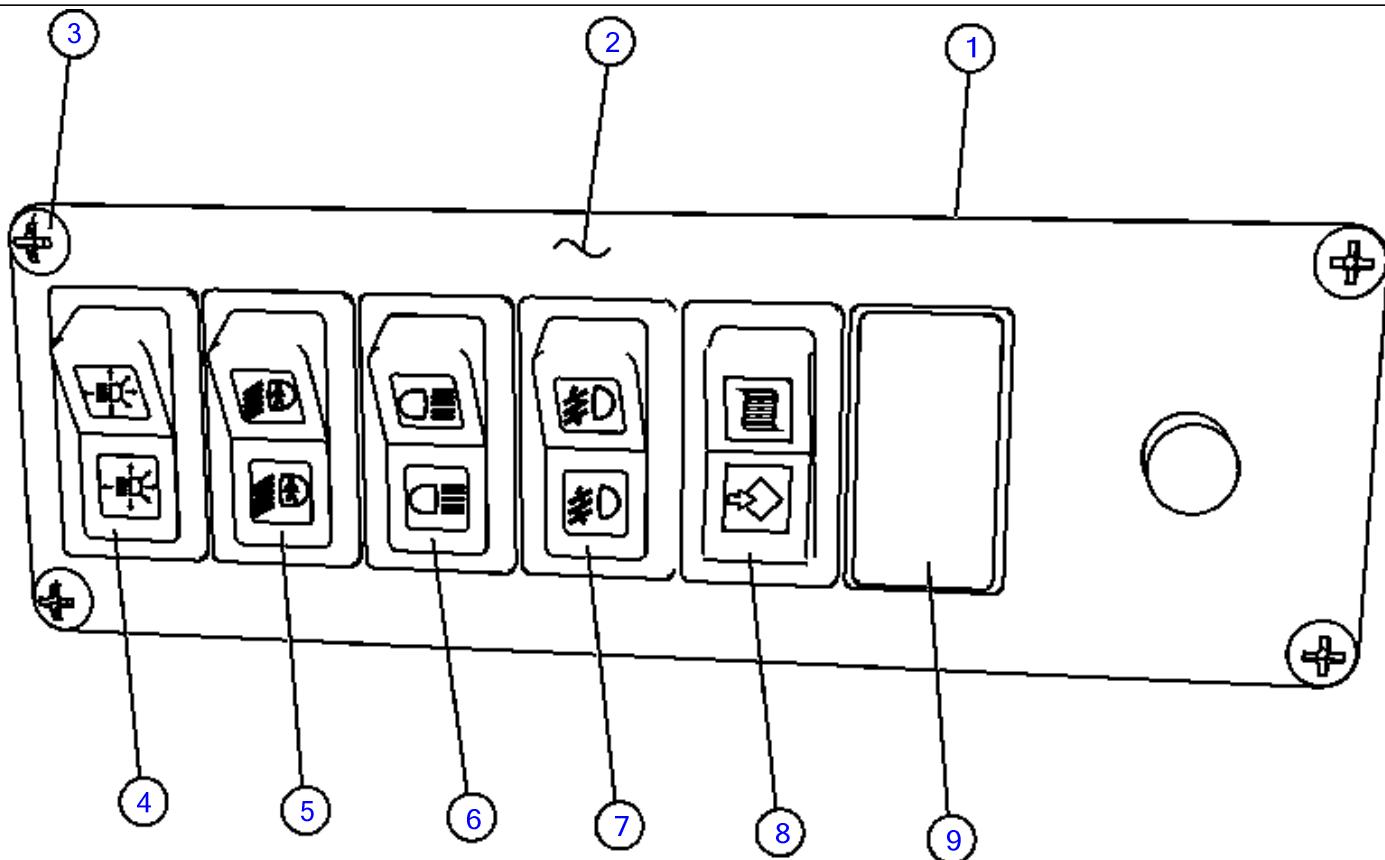
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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA

UPPER L.H. DASH MODULE

Item	Part No	Description	Qty
1	EL3144	PLATE	1
2	EL3143	DECAL	1
3	WA4605	SCREW, PHILLIPS - #10 - 24NC X 1/2"	4
4	PC1499	SWITCH, ROCKER (LAMP TEST)	1
5	1439428H1	PLUG, SWITCH HOLE FILLER	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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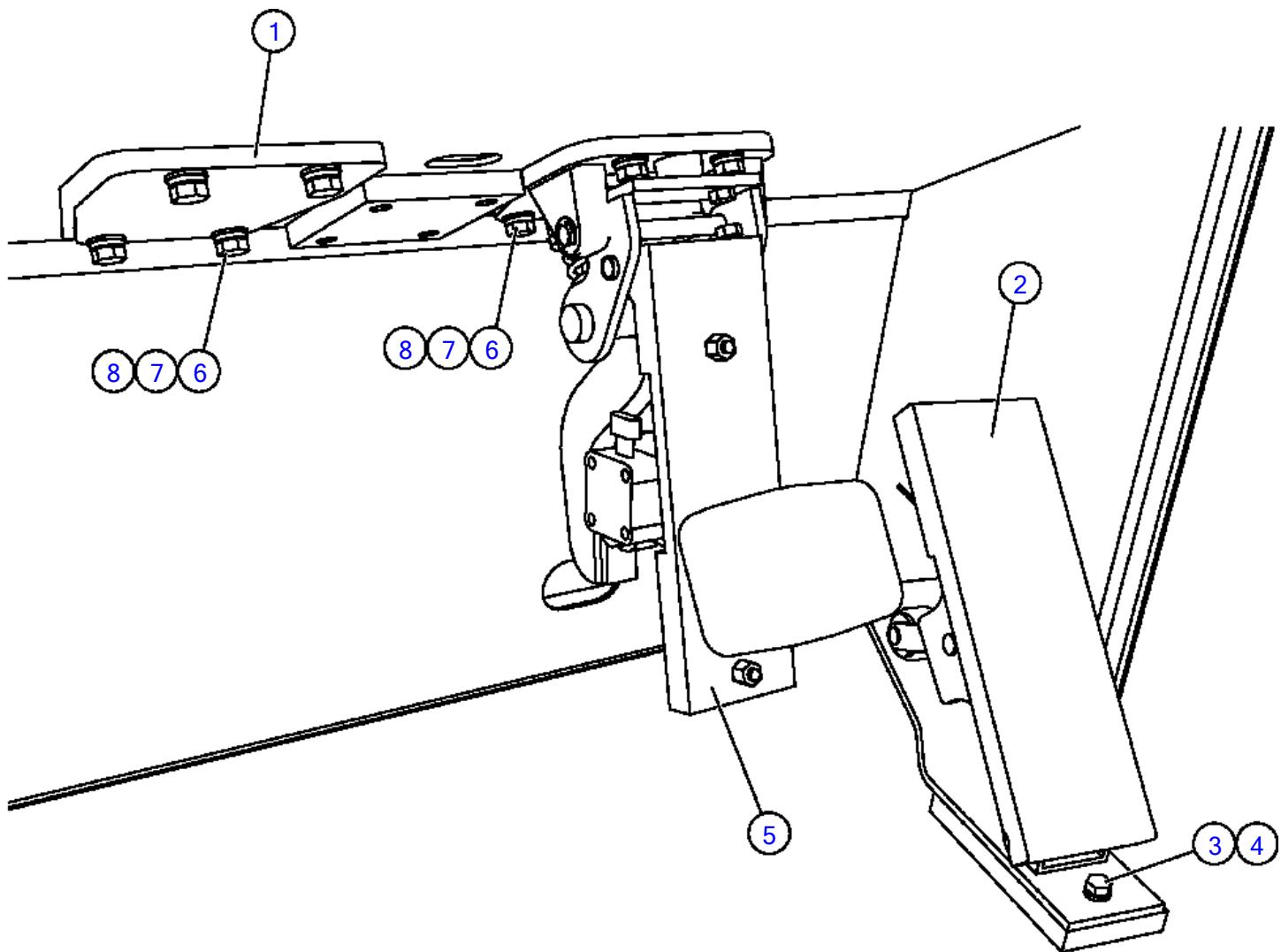


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### LOWER L.H. DASH MODULE

Item	Part No	Description	Qty
1	EK5528	PLATE	1
2	EK5538	DECAL	1
3	WA4605	SCREW, PHILLIPS - #10 - 24NC X 1/2"	4
4	PC1501	SWITCH, ROCKER (HEADLIGHTS)	1
5	PC1502	SWITCH, ROCKER (LADDER LIGHT)	1
6	PC1500	SWITCH, ROCKER (BACK-UP LIGHT)	1
7	PC1496	SWITCH, ROCKER (FOG LIGHT)	1
8	PC1998	SWITCH, ROCKER (PAYLOAD METER)	1
9	1439428H1	PLUG, SWITCH HOLE FILLER	1
10	569-06-61711	SWITCH, PANEL LIGHT DIMMER	1
11	SM2853	BRACKET	1
12	SM0926	SCREW - M6 X 1.00	2
13	MM0711	FLAT WASHER - M6 (HARDENED)	2
14	SM2709	SCREW, FLAT HEAD	4

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



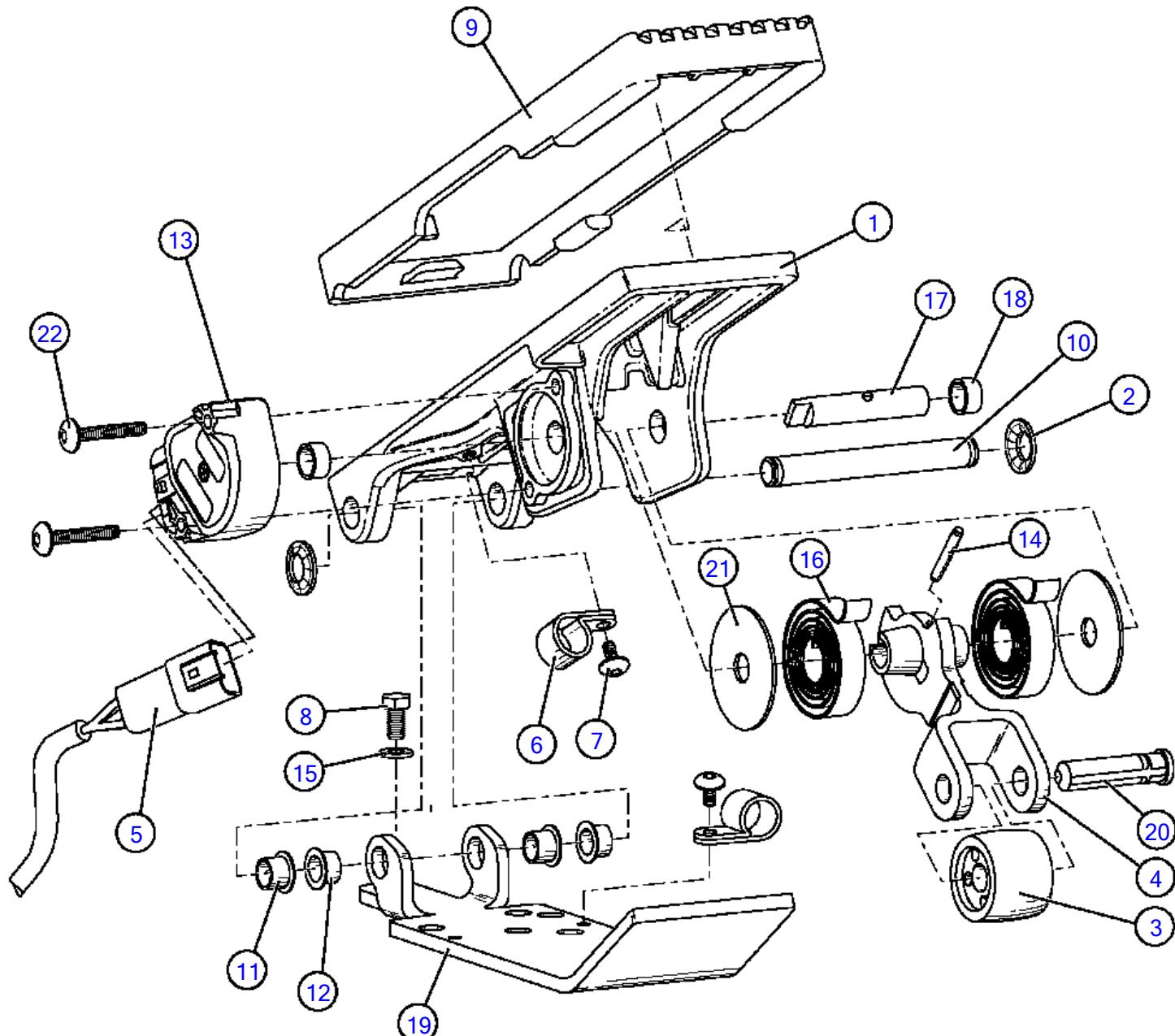
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## PEDAL INSTALLATION

Item	Part No	Description	Qty	Page
1	EC7875	PLATE	1	
2	PB9506	ELECTRONIC THROTTLE ASSEMBLY (SEE INDEX)	1	210
3	TD0794	CAPSCREW - 5/16" - 18NC X 3/4"	4	
4	01643-30823	FLAT WASHER - M8	4	
5	PC1955	BRAKE VALVE ASSEMBLY (SEE INDEX)	1	506
6	MM0594	CAPSCREW - M8 X 1.25 X 25	8	
7	MM0470	LOCKWASHER - M8	8	
8	MM0460	FLAT WASHER - M8	8	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



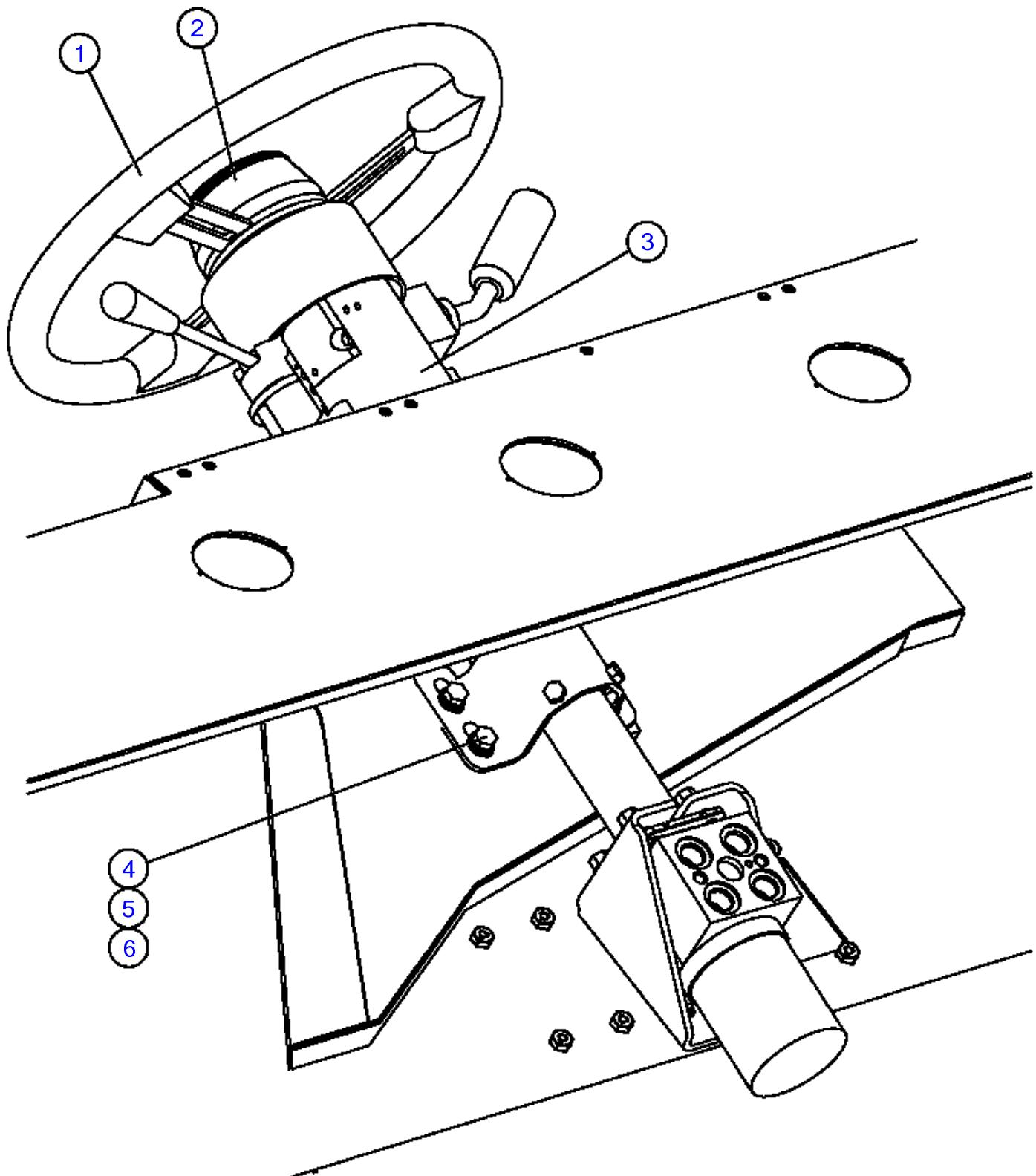
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AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**ELECTRONIC TREADLE PB9506**

Item	Part No	Description	Qty
1	BF1493	PEDAL (4)	1
2	VJ4023	RING, RETAINING (1)/(2)/(4)	3
3	VE3517	ROLLER (2)/(4)	1
4	BF1494	LEVER, TREADLE (4)	1
5	VE7636	HARNESS, WIRE (3)/(4)	1
6	VE7634	CLAMP, WIRE (4)	2
7	VE4213	SCREW, PAN HEAD (3)/(4)	2
8	TD0794	CAPSCREW - 5/16" - 18NC X 3/4" (6)	4
9	BF1495	COVER	1
10		PIN, TREADLE (1)/(4)/(5)	1
11	VE3504	BUSHING (1)/(4)	2
12	VE3510	BUSHING (1)/(4)	2
13		SENSOR (4)/(5)	1
14	VE7551	PIN (4)	1
15	01643-30823	FLAT WASHER - M8 (6)	4
16		SPRING (4)/(5)	2
17	BF1492	SHAFT, SENSOR (4)	1
18	VE7557	BUSHING (4)	2
19	BF1355	PLATE, BASE	1
20	VE7638	ROLLPIN (2)/(4)	1
21	VE7556	WASHER, THRUST (OUTER) (4)	2
22	VE3522	MACHINE SCREW (4)	2
NS	VE7549	NOTE: (1) INCLUDED IN VE7549 TREADLE PIN KIT.	
NS	VE7561	(2) INCLUDED IN VE7561 ROLLER KIT.	
NS	BF1497	(3) INCLUDED IN BF1497 SENSOR KIT.	
NS	BF1498	(4) INCLUDED IN BF1498 UPPER SERVICE ASSM KIT.	
NS		(5) NOT SERVICED SEPARATELY.	
NS		(6) NOT INCLUDED IN ASSEMBLY.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

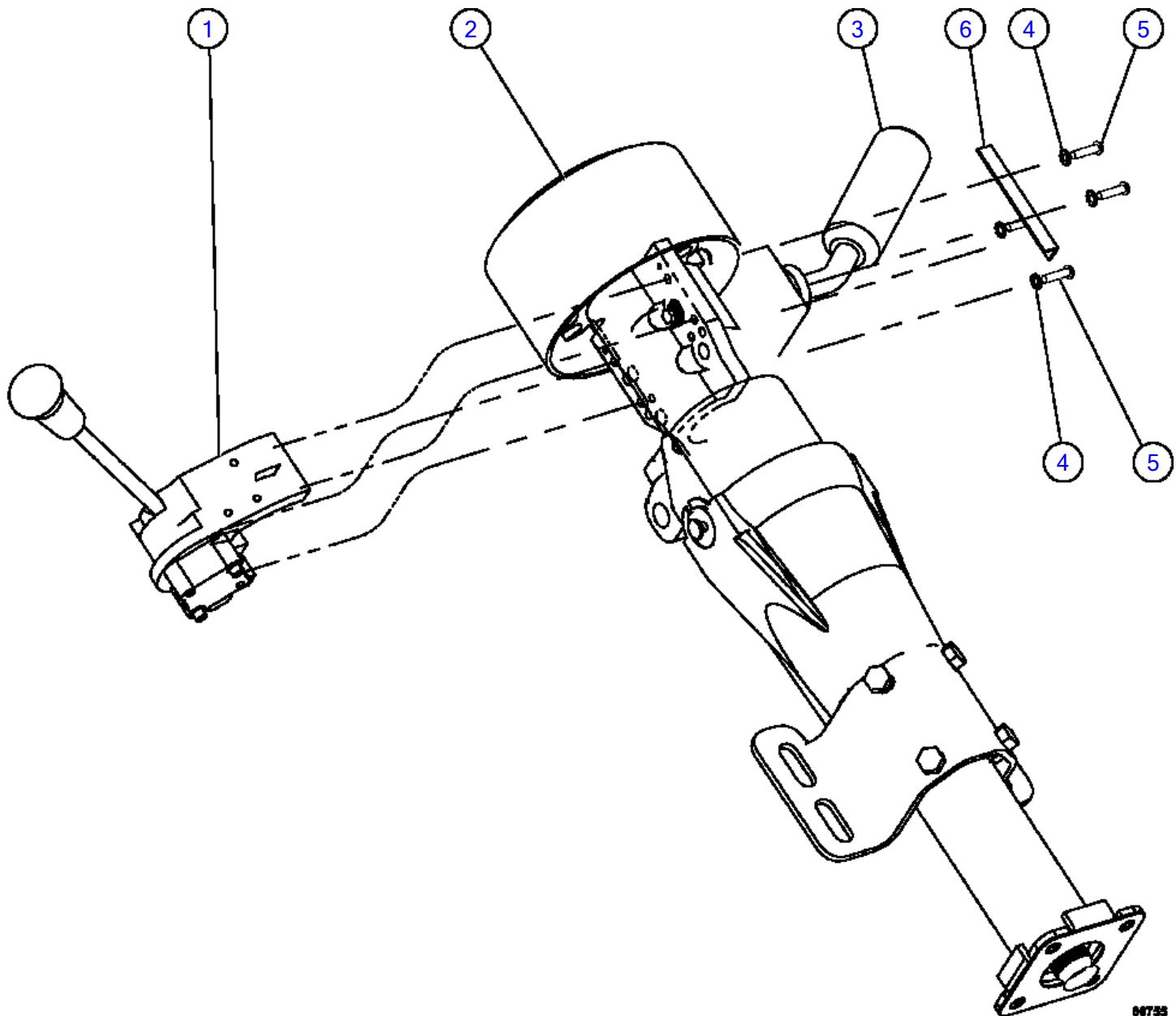


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## STEERING COLUMN & STEERING WHEEL INSTALLATION

Item	Part No	Description	Qty	Page
1	PC0683	WHEEL, STEERING	1	
2	PC1621	BUTTON, HORN	1	
3	XB8880	STEERING COLUMN AND LEVER ASSEMBLY (SEE INDEX)	1	214
4	MM0604	CAPSCREW - M10 X 1.50 X 20	4	
5	MM0713	FLAT WASHER - M10 (HARDENED)	8	
6	MM0471	LOCKWASHER - M10	4	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

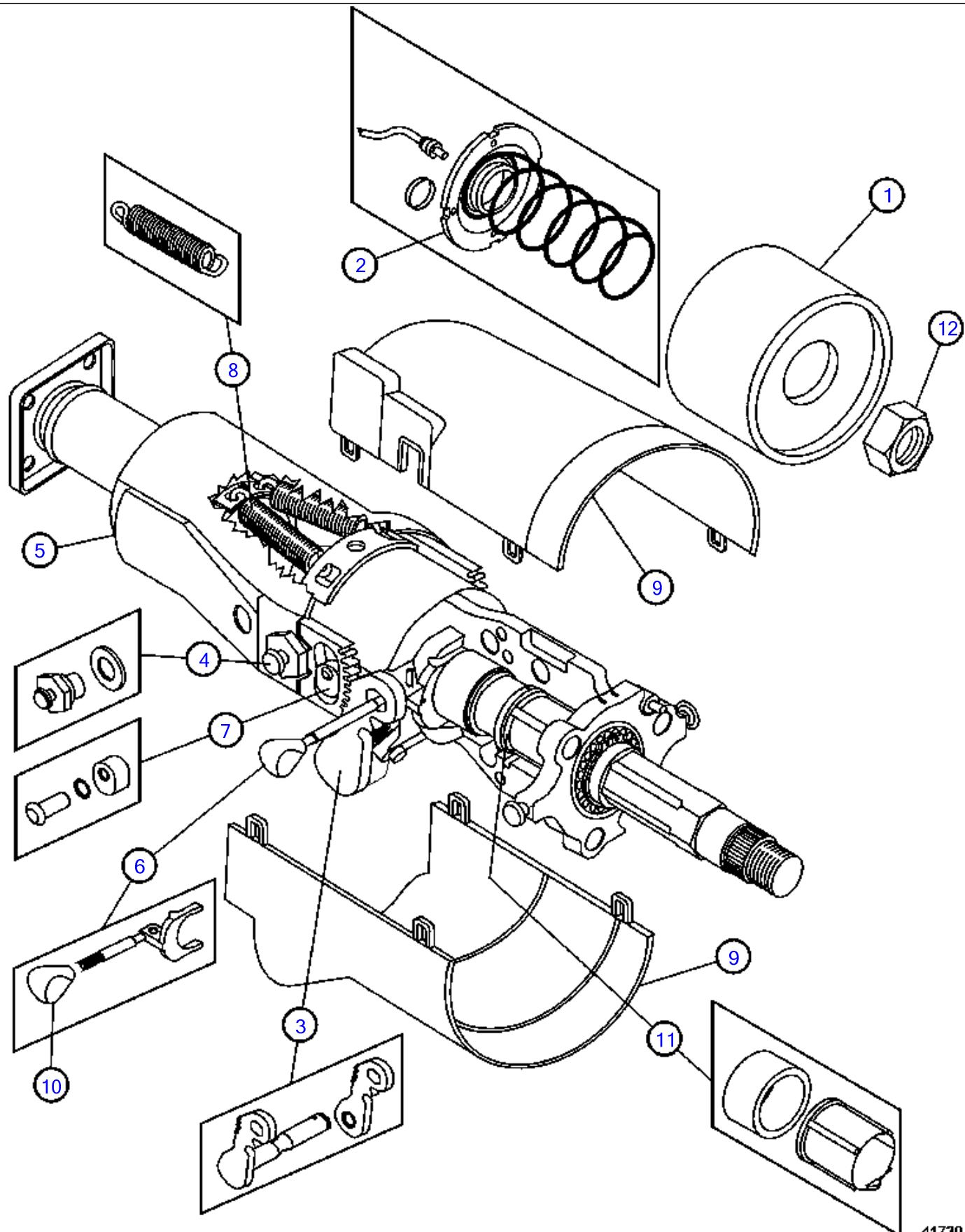


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**STEERING COLUMN & LEVER ASSEMBLY XB8880**

Item	Part No	Description	Qty	Page
1	EK9211	RETARDER LEVER ASSEMBLY (SEE INDEX)	1	218
2	XB8879	STEERING COLUMN ASSEMBLY	1	
	XB8878	• COLUMN, STEERING (SEE INDEX)	1	216
3	PC1709	• MULTI-FUNCTION SWITCH ASSEMBLY	1	
	WB3105	• FLAT WASHER - M7	2	
	WB3104	• FLAT WASHER - M5	2	
	WB3103	• LOCKWASHER - M5	2	
	WB3102	• CAPSCREW - M5 X .8 X 25	2	
	08021-00400	• CONNECTOR	1	
	VZ4843	• TYRAP	1	
4	R2634	LOCKWASHER - #10 (EXTERNAL TOOTH)	4	
5	HD6007	MACHINE SCREW - #10 - 24NC X 3/4"	4	
6	EK4275	ANGLE, FORMED	1	
NS		NOTE: NS = NOT SHOWN		
NS	SM6037	HARNESS, THROTTLE PEDAL	1	
NS	VZ4843	TYRAP	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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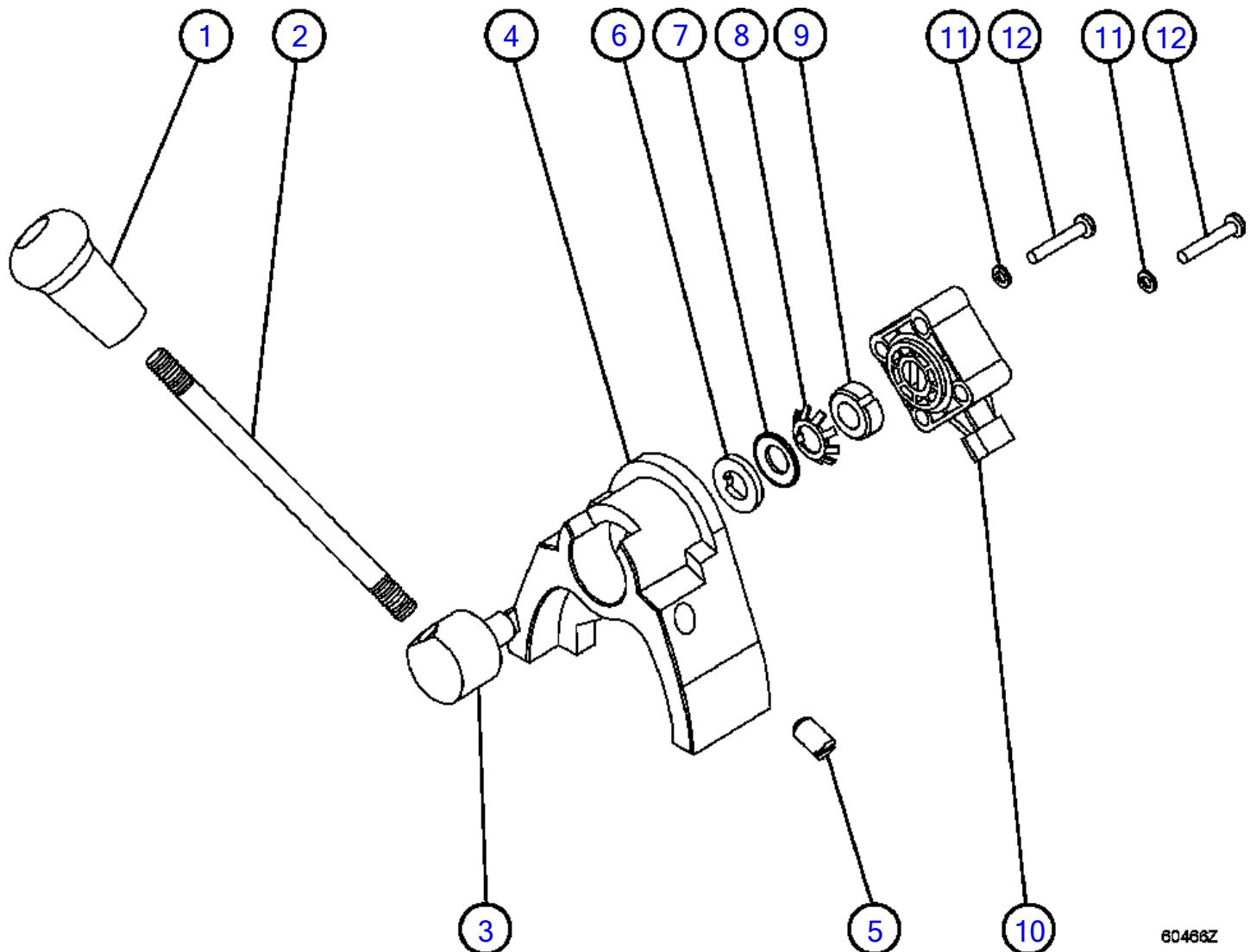
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 A31597 ANTAMINA

**STEERING COLUMN ASSEMBLY      XB8878**

Item	Part No	Description	Qty
1	XA2375	KIT, GAP HIDER	1
2	XA5621	CONTACT ASSEMBLY, HORN	1
	XA4890	SPRING	1
3	BF5169	KIT, ROD AND PAWL	1
4	BF5170	KIT, TILT BOLT	1
5	VE4299	COVER	1
6	BF5171	KIT, TILT LEVER	1
7	BF2071	KIT, TILT STOP	1
8	BF5176	KIT, EXTENSION SPRING	1
9	XA2376	KIT, COVER (UPPER & LOWER)	1
10	BF5173	KIT, KNOB	1
11	BF5174	KIT, TELESCOPE LINK	1
12	BF5175	NUT	1
NS		NOTE: NS = NOT SHOWN	
NS	VE4309	BRACKET, MOUNTING	1
NS	VE4310	CAPSCREW - 3/8" - 24NF	2
NS	VE4311	LOCKWASHER - 3/8"	2
NS	BF2089	KIT, GREASE	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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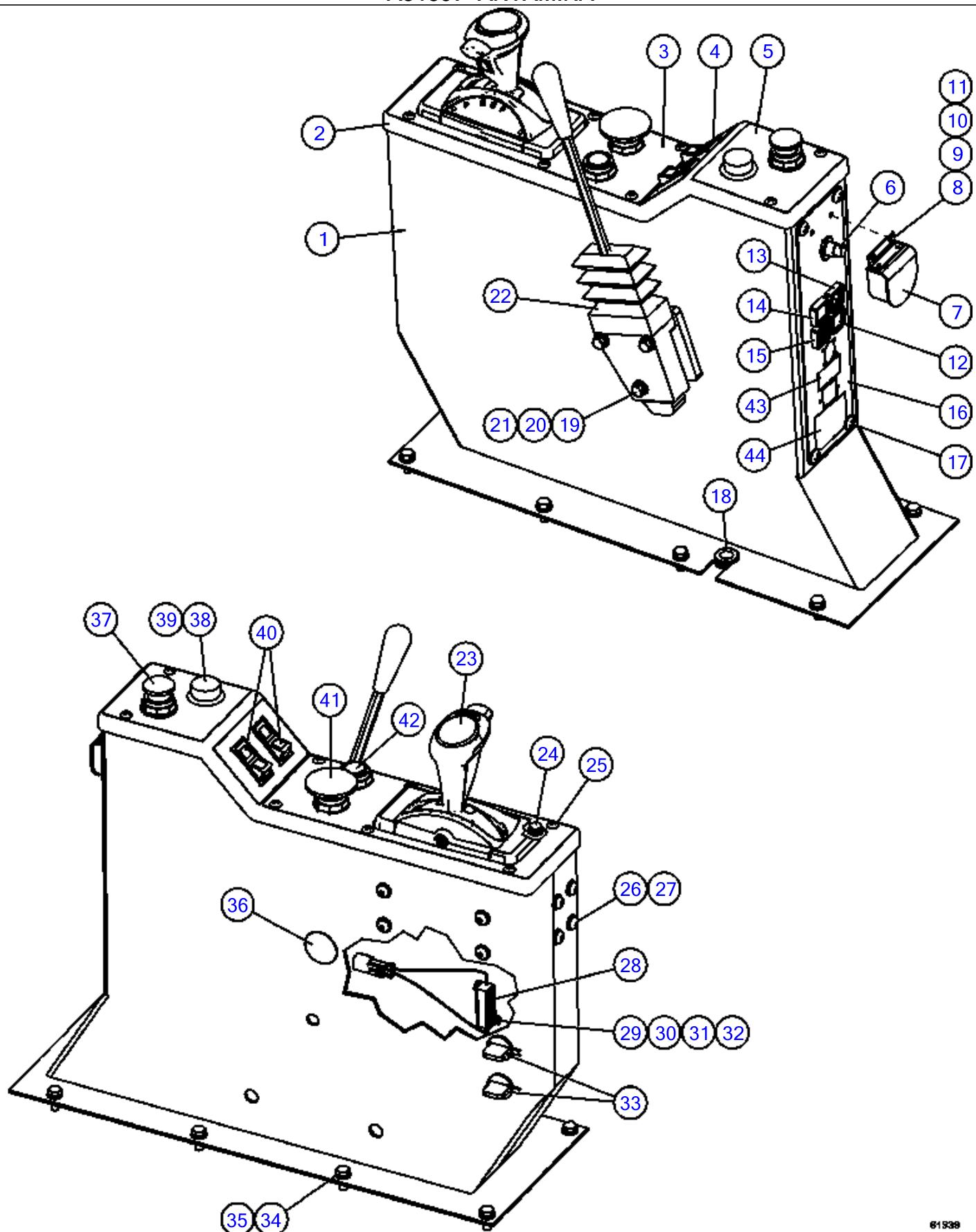
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**RETARDER LEVER ASSEMBLY**

**EK9211**

Item	Part No	Description	Qty
1	BF5631	KNOB	1
2	BF5626	LEVER, INPUT	1
3	BF5622	SHAFT, DRIVE	1
4	BF5621	HOUSING	1
5	BF5632	PLUNGER, BALL	1
6	BF5630	WASHER, TONGUED	1
7	XA2374	WASHER, SPRING	1
8	BF5627	LOCKWASHER	1
9	BF5629	LOCKNUT	1
10	XA2347	POTENTIOMETER	1
11	XA2349	LOCKWASHER	2
12	XA2348	SCREW, PAN HEAD	2

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

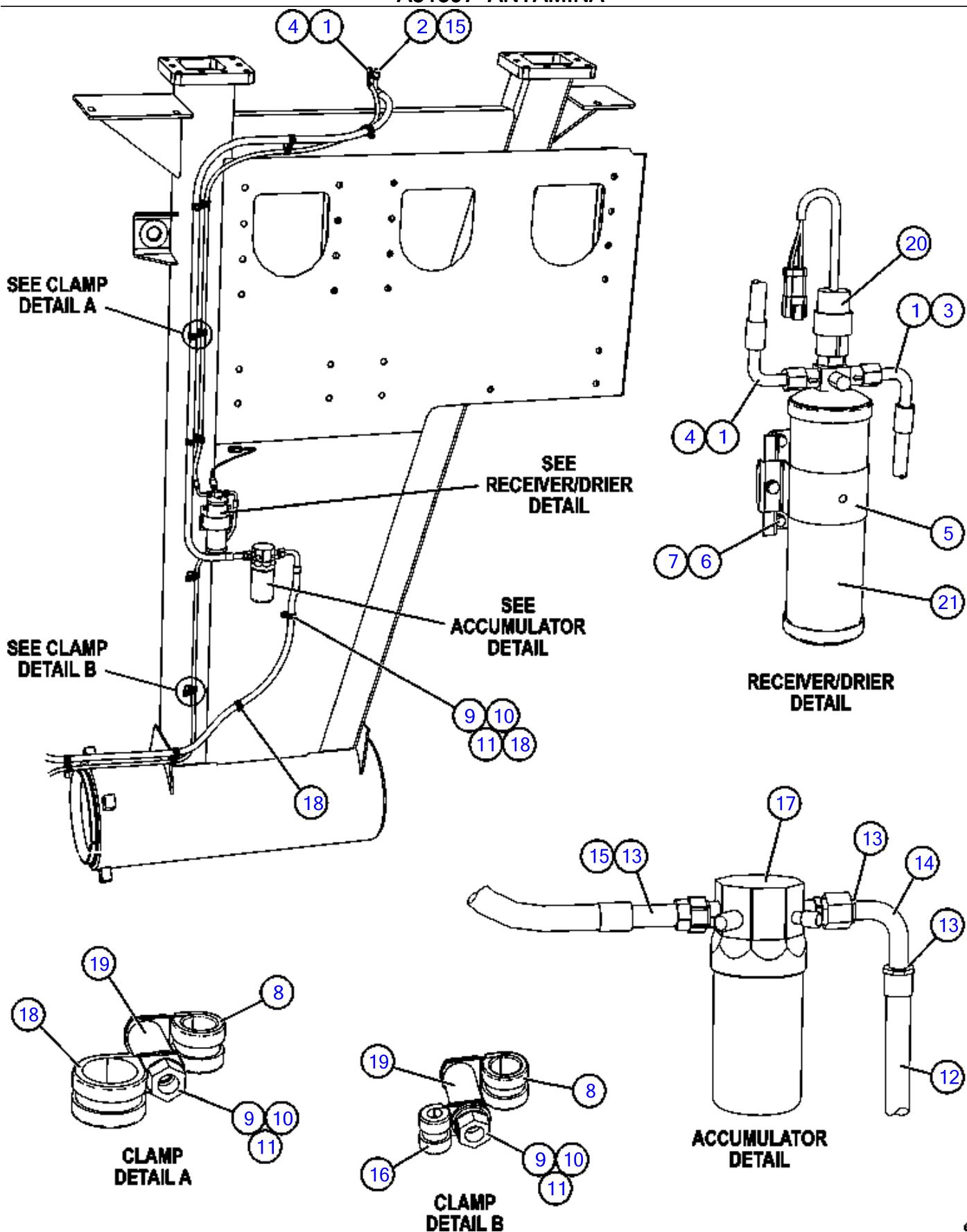


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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA**

**CENTER CONSOLE MODULE**

Item	Part No	Description	Qty
1	EM5646	CONSOLE, CENTER	1
2	EL4131	COVER, MOLDED (SHIFT CONSOLE)	1
3	EL2721	• DECAL, SHIFT CONSOLE - FORWARD	1
4	EL2723	• DECAL, SHIFT CONSOLE - MIDDLE	1
5	EM2711	• DECAL, SHIFT CONSOLE - REAR	1
6	PB8624	SWITCH, PUSH BUTTON (DATA STORE)	1
7	SM0628	COVER	1
8	HE2467	MACHINE SCREW - #6 - 32NC X 1/2"	2
9	HE5125	FLAT WASHER - #6	2
10	DF4944	LOCKWASHER - #6	2
11	DD2468	NUT - #6 - 32NC	2
12	SM4443	FLASHER ASSEMBLY - CLEAR LENS	4
	SP8443	LIGHT BULB	4
13	SM5073	DECAL, SERVICE ENGINE	1
14	EL4153	DECAL, VHMS SNAPSHOT IN PROGRESS	1
15	SM5104	DECAL, LINK ENERGIZED	1
16	XB0514	PLATE, DIAGNOSTIC	1
17	SM0926	SCREW - M6 X 1.00	4
18	TF7982	GROMMET, RUBBER	1
19	WA3597	CAPSCREW - 5/16" - 18NC X 2 1/4"	3
20	SC4174	LOCKWASHER - 5/16"	3
21	TV0177	FLAT WASHER - 5/16"	3
22	PB6893	VALVE, CONTROL	1
23	PC2873	LEVER, GEAR SELECTOR	1
24	31127R1	CAPSCREW - M6 X 1.00 X 12 (UNDER MOLDED COVER)	4
25	WA4605	SCREW, PHILLIPS - #10 - 24NC X 1/2"	10
26	SM5115	CAPSCREW, INTERNAL HEX - M8 X 1.25	8
27	MM0460	FLAT WASHER - M8	8
28	EM5648	RESISTOR	1
29	VG1621	MACHINE SCREW - 4-40 X 5/8"	2
30	VD7129	LOCKWASHER - #4	8
31	VN9762	FLAT WASHER - #4	4
32	VN9708	NUT - #4 - 40NC	2
33	PC1374	OUTLET, AUXILIARY POWER	2
34	MM0593	CAPSCREW - M8 X 1.25 X 20	8
35	MM0470	LOCKWASHER - M8	8
36	TV3555	PLUG, BUTTON - 1 3/8"	1
37	58B-58-40000	BUTTON, PUSH-PULL (RETARD SPEED CONTROL)	1
38	ED2863	POTENTIOMETER (RETARD SPEED CONTROL)	1
39	PB5957	KNOB	1
40	PC0490	SWITCH, ROCKER (ELECTRIC WINDOW)	2
41	PC1375	BUTTON, PUSH-PULL (ENGINE SHUTDOWN)	1
42	PC1377	BUTTON, PUSH (OVERRIDE/FAULT RESET)	1
43	WB3548	NAME PLATE - FIRE SUPP	1
44	WB3549	NAME PLATE - 2-WAY COM	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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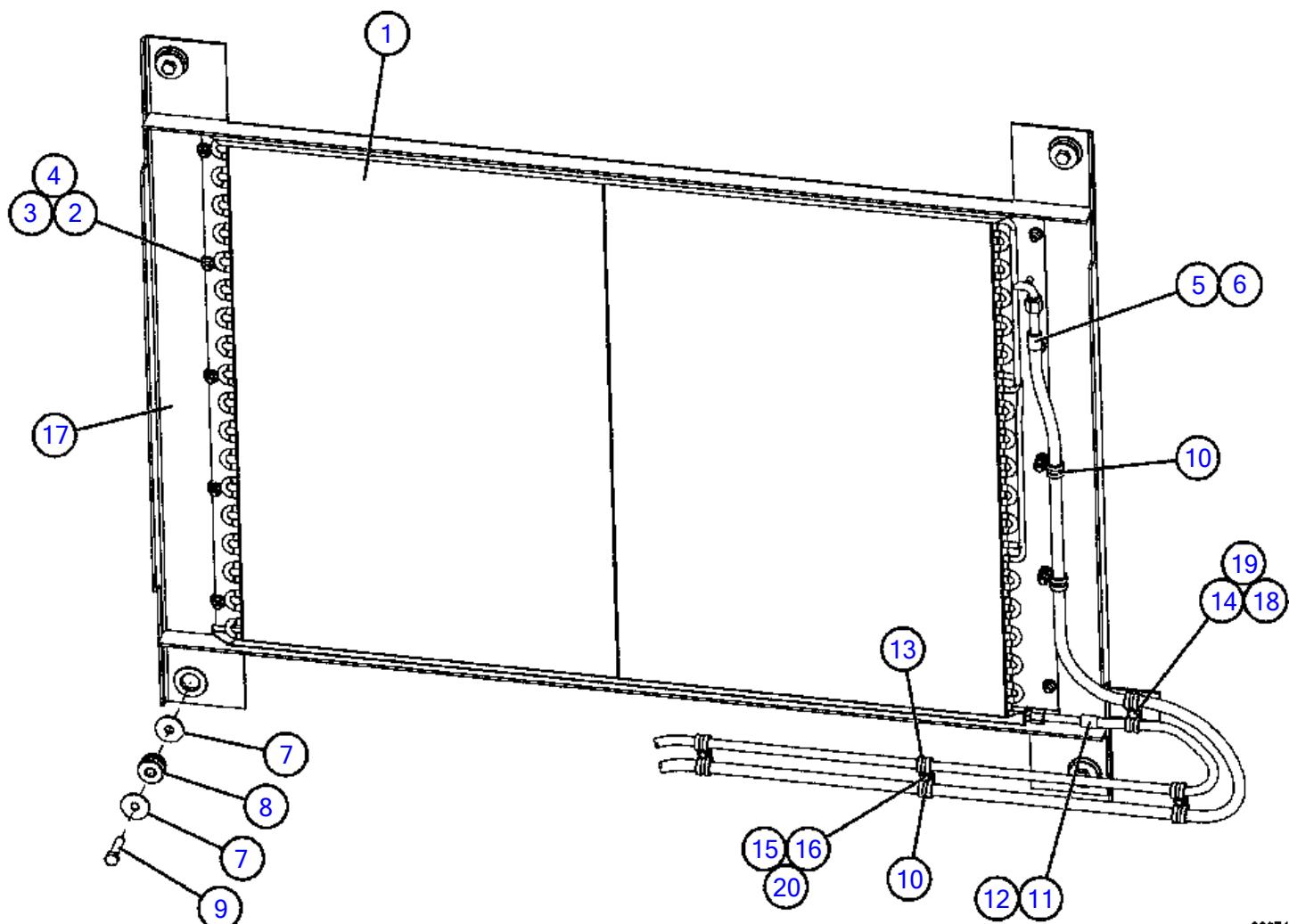


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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA**

**AIR CONDITIONING PIPING**

Item	Part No	Description	Qty
1	WA1731	O-RING	3
2	WA1733	O-RING	1
3	58B-07-00040	HOSE	1
4	HA8272	HOSE	1
5	PC1341	BRACKET	1
6	MM0027	CAPSCREW - M6 X 1.00 X 25	4
7	MM0459	FLAT WASHER - M6	4
8	WB1300	CLAMP, CUSHIONED - 5/8"	9
9	MM0461	FLAT WASHER - M10	11
10	MM0471	LOCKWASHER - M10	11
11	MM0178	NUT - M10 X 1.50	11
12	58B-07-00010	HOSE	1
13	WB1027	O-RING	3
14	58B-07-20000	ADAPTER	1
15	HA8216	HOSE	1
16	WB1302	CLAMP, CUSHIONED - 5/16"	4
17	PC1830	ACCUMULATOR	1
	XA4444	• CAP, DUST (LOW SIDE SERVICE PORT)	1
	XA4445	• CAP, DUST (1/4" SWITCH PORT)	1
18	WB3093	CLAMP, CUSHIONED - 1"	7
19	TY8375	SPACER	8
20	PC1804	SWITCH, TRINARY	1
21	PC2268	RECEIVER DRIER	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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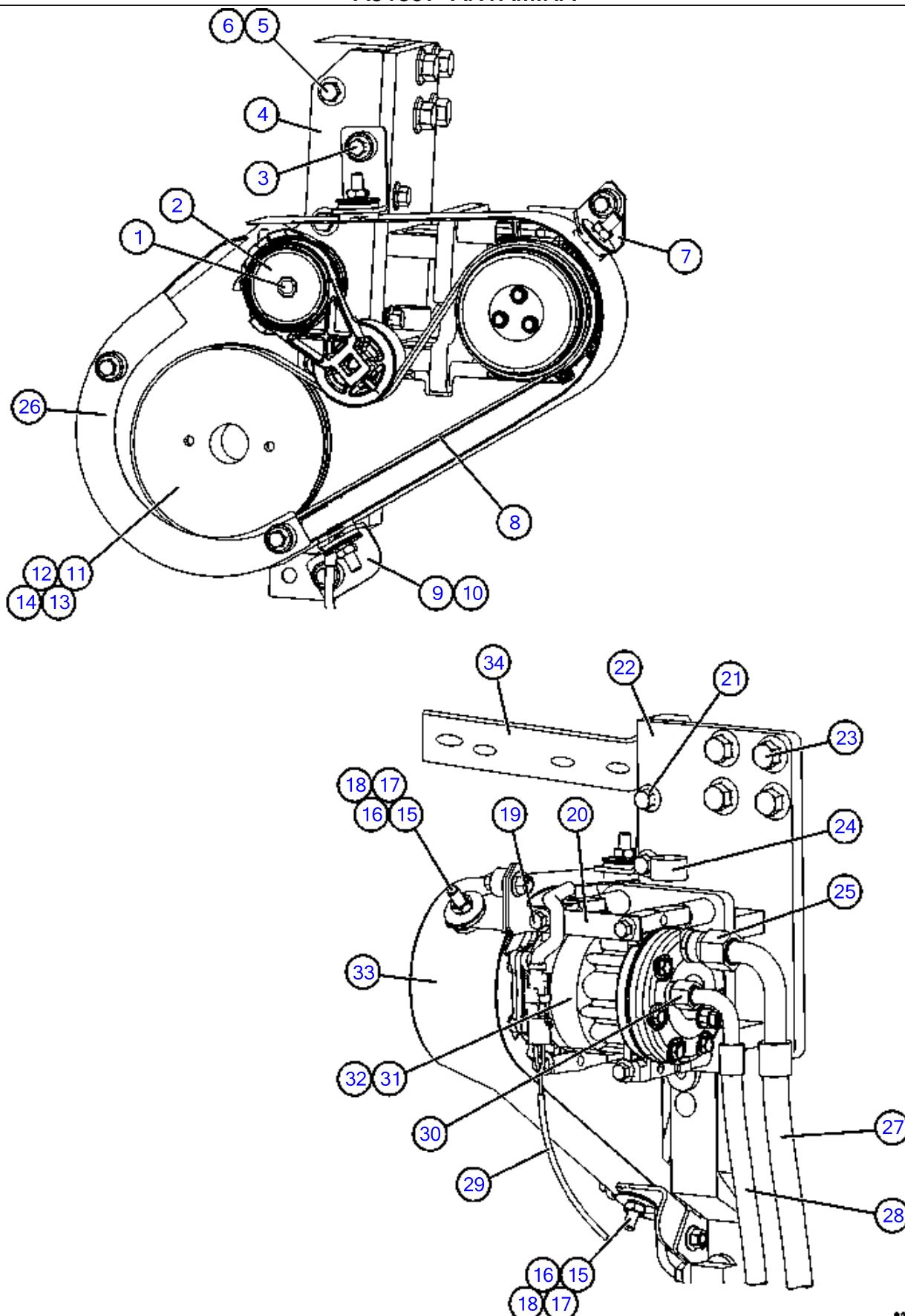
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 A31597 ANTAMINA

## AIR CONDITIONING - CONDENSER INSTALLATION

Item	Part No	Description	Qty
1	EK8720	CONDENSER	1
2	C1613	CAPSCREW - 1/2" - 13NC X 1 1/4"	10
3	WA4728	FLAT WASHER - 1/2" (HARDENED)	20
4	DF3500	LOCKNUT - 1/2" - 13NC	10
5	58B-07-00000	HOSE	1
6	WA1732	O-RING	1
7	DA0557	WASHER	8
8	VY9850	MOUNT, RUBBER	4
9	C1616	CAPSCREW - 1/2" - 13NC X 2"	4
10	WB3922	CLAMP, CUSHIONED - 11/16"	10
11	58B-07-00040	HOSE	1
12	WA1731	O-RING	1
13	WB1300	CLAMP, CUSHIONED - 5/8"	6
14	C1605	CAPSCREW - 3/8" - 16NC X 1 3/4"	1
15	MM0471	LOCKWASHER - M10	8
16	MM0461	FLAT WASHER - M10	8
17	58B-07-11100	MOUNT, CONDENSER	1
18	892124C1	SPACER	1
19	TR4436	FLAT WASHER - 3/8"	1
20	MM0178	NUT - M10 X 1.50	8

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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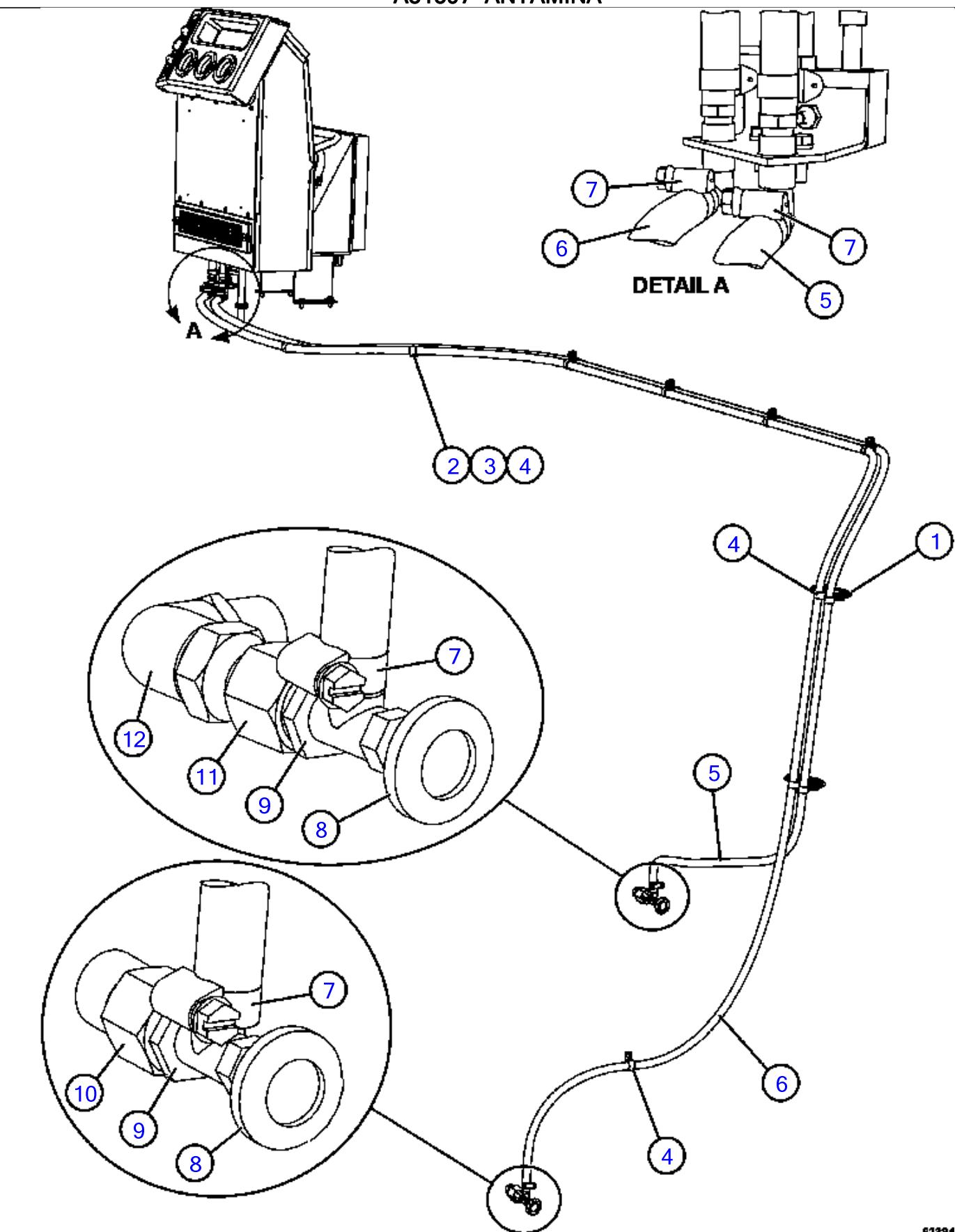


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 A31597 ANTAMINA

## AIR CONDITIONING - COMPRESSOR INSTALLATION

Item	Part No	Description	Qty
1	PC3033	CAPSCREW - M10 X 1.50 X 80	1
2	PC3029	TENSIONER	1
3	PC3039	BRACKET, ISOLATOR	1
4	PC3030	BRACKET	1
5	PC3031	CAPSCREW - M12 X 1.75 X 100	2
6	PC3032	CAPSCREW - M12 X 1.75 X 85	1
7	PC3042	BRACKET, ISOLATOR	1
8	XA4549	BELT, V-RIBBED	1
9	PC3043	BRACKET, ISOLATOR	1
10	PC3044	BRACKET, BELT GUARD	1
11	PC3025	PULLEY	1
12	PC3026	SPACER	1
13	PC3027	SEAL	1
14	PC3028	SCREW	3
15	PC3048	ISOLATOR	3
16	PC3049	ISOLATOR	3
17	PC3046	LOCKNUT - M10 X 1.50	3
18	PC3047	WASHER	3
19	PC3035	CAPSCREW - M8 X 1.25 X 100	4
20	PC3041	GUARD, MOUNTING BRACKET	1
21	PC3037	CAPSCREW - M16 X 2.00 X 40	3
22	PC3034	BRACKET	1
23	PC3038	CAPSCREW - M16 X 2.00 X 60	4
24	PC3036	"P" CLIP	2
25	WB1027	O-RING	1
26	PC3040	GUARD	1
27	58B-07-00010	HOSE	1
28	HA8678	HOSE	1
29	58E-06-00020	HARNESS, A/C COMPRESSOR JUMPER	1
30	WA1732	O-RING	1
31	XA7317	COMPRESSOR, A/C	1
32	PC2279	OIL, REFRIGERANT - 8 OZ.	1
33	PC3045	GUARD, BELT	1
34	PC3139	BRACKET	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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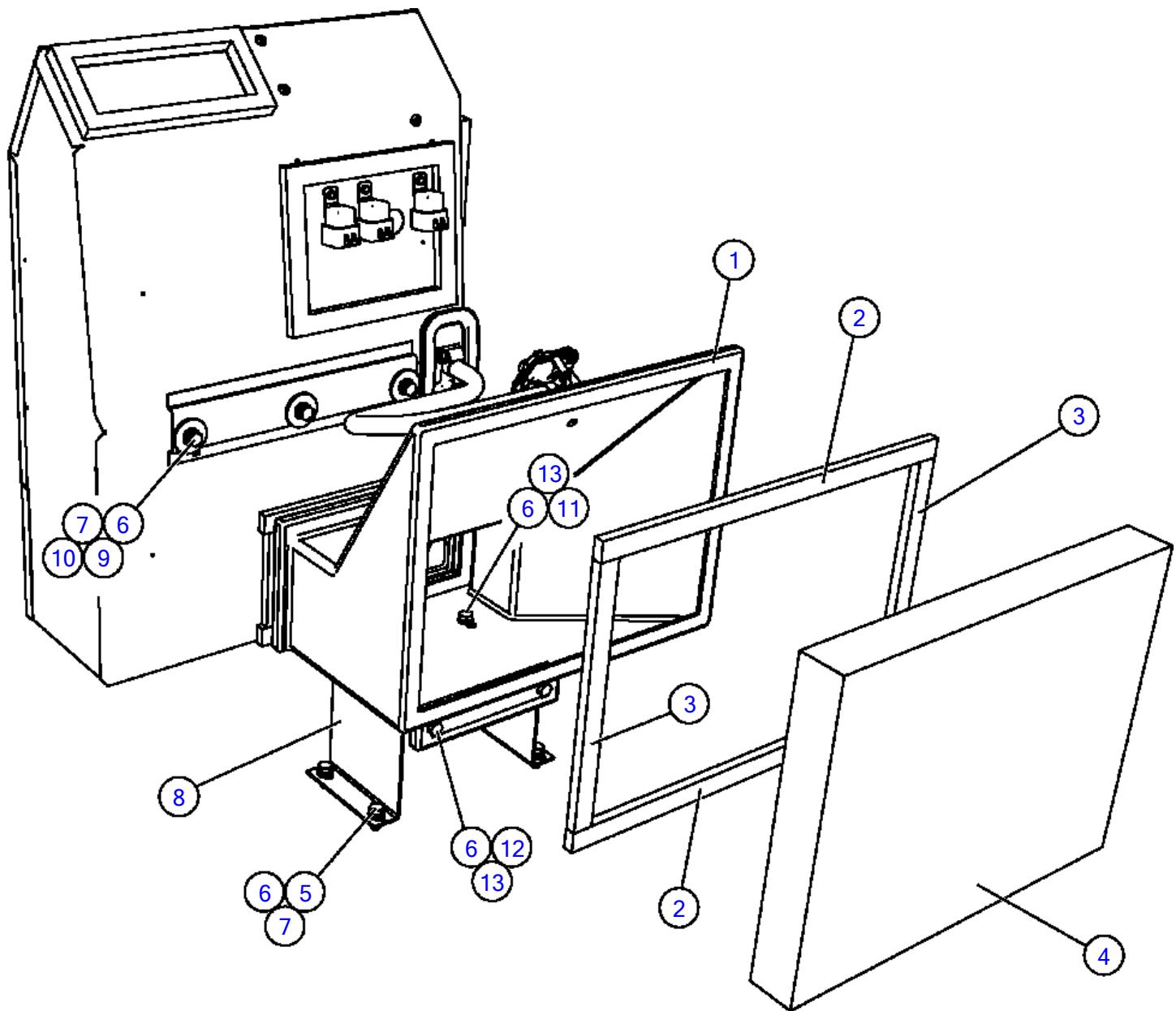
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 A31597 ANTAMINA

## HEATER HOSE INSTALLATION

Item	Part No	Description	Qty
1	WA2237	CLAMP	2
2	MM0461	FLAT WASHER - M10	6
3	MM0178	NUT - M10 X 1.50	6
4	WB3093	CLAMP, CUSHIONED - 1"	17
5	EL0129	HOSE, HEATER	1
6	EL0128	HOSE, HEATER	1
7	HC0908	CLAMP, WORM DRIVE	4
8	VN6280	VALVE, WATER SHUT-OFF	2
9	SD5209	BUSHING, PIPE	2
10	WB1192	ADAPTER	1
11	WB1141	ADAPTER, PIPE TO JIC	1
12	WB1063	ADAPTER, METRIC - 90 DEG	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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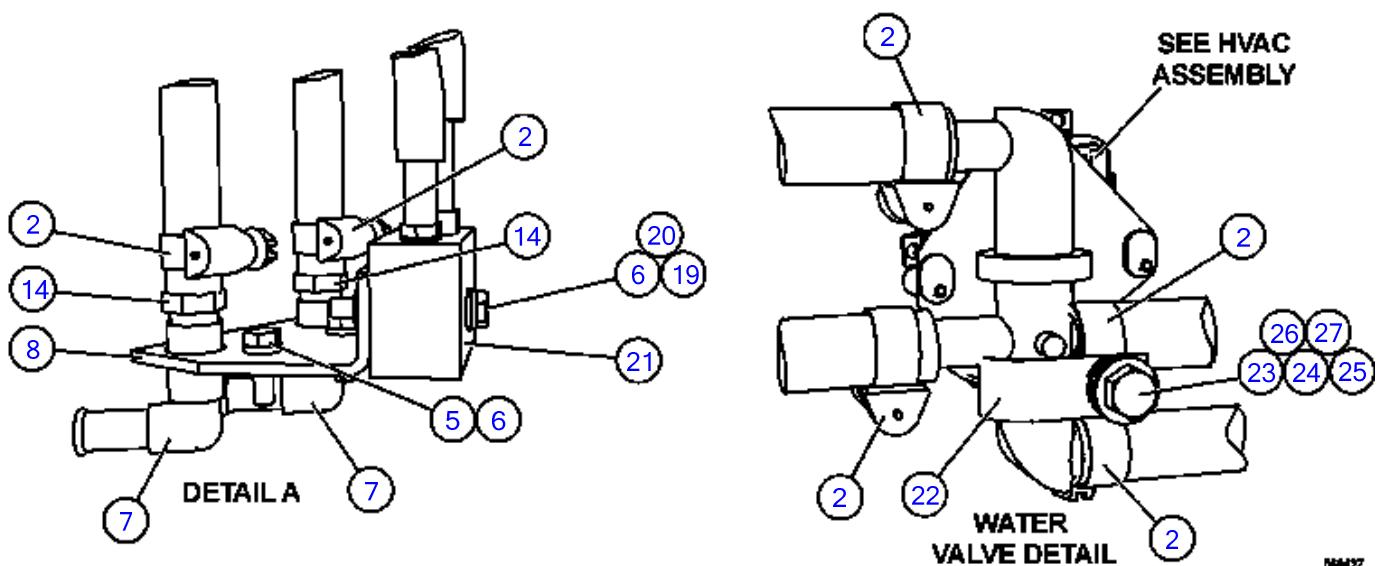
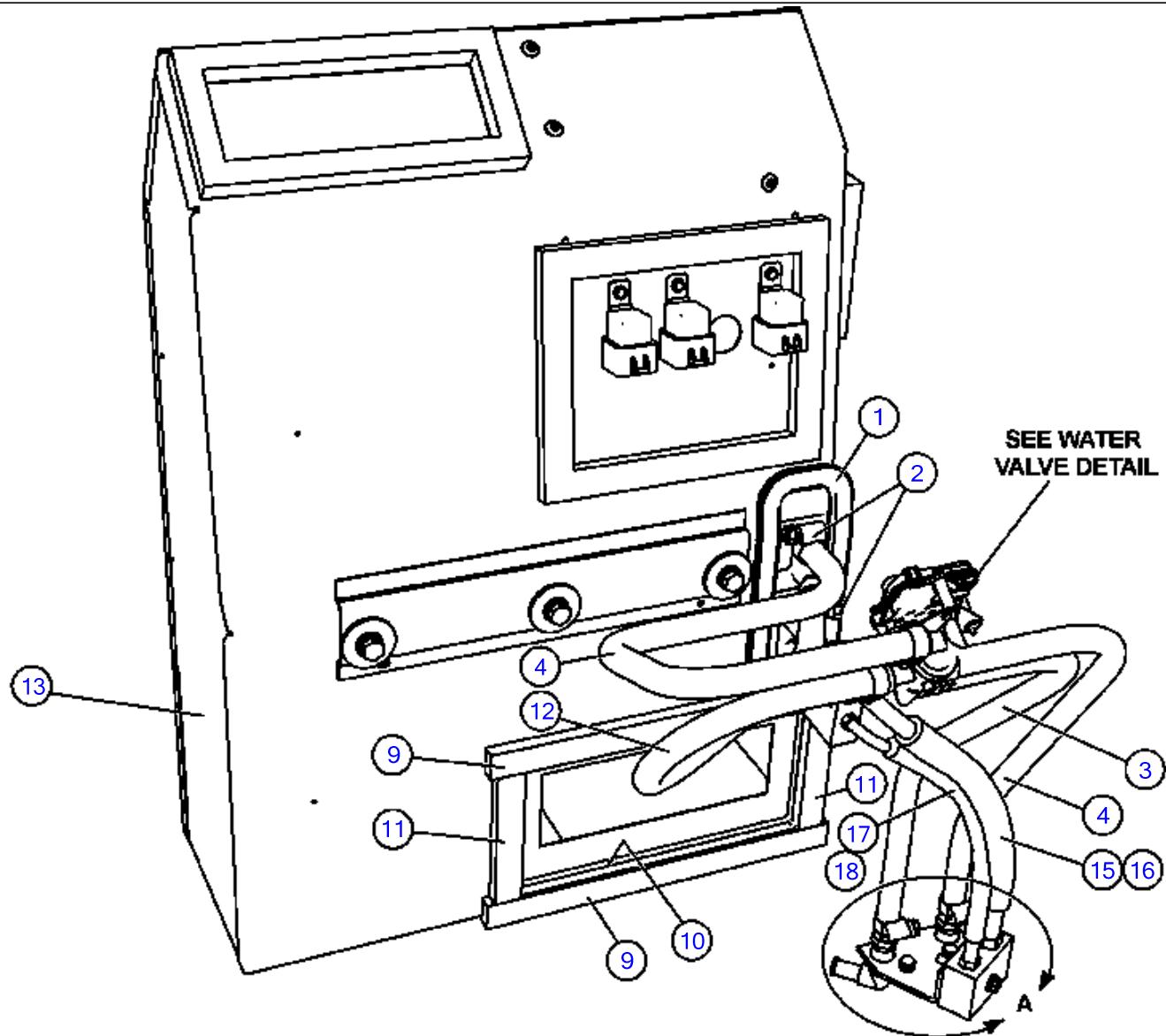
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 A31597 ANTAMINA

## HVAC INSTALLATION 1/2

Item	Part No	Description	Qty
1	SM2106	PLENUM	1
2	TY8687	SEAL, NEOPRENE	2
3	TY8684	SEAL, NEOPRENE	2
4	PB7001	FILTER, AIR	1
5	MM0042	CAPSCREW - M10 X 1.50 X 25	4
6	MM0471	LOCKWASHER - M10	11
7	MM0461	FLAT WASHER - M10	7
8	EL5745	SUPPORT, PLENUM	1
9	DA0557	WASHER	3
10	MM0604	CAPSCREW - M10 X 1.50 X 20	3
11	MM0607	CAPSCREW - M10 X 1.50 X 35	2
12	MM0610	CAPSCREW - M10 X 1.50 X 50	2
13	WA4759	FLAT WASHER - 7/16"	4

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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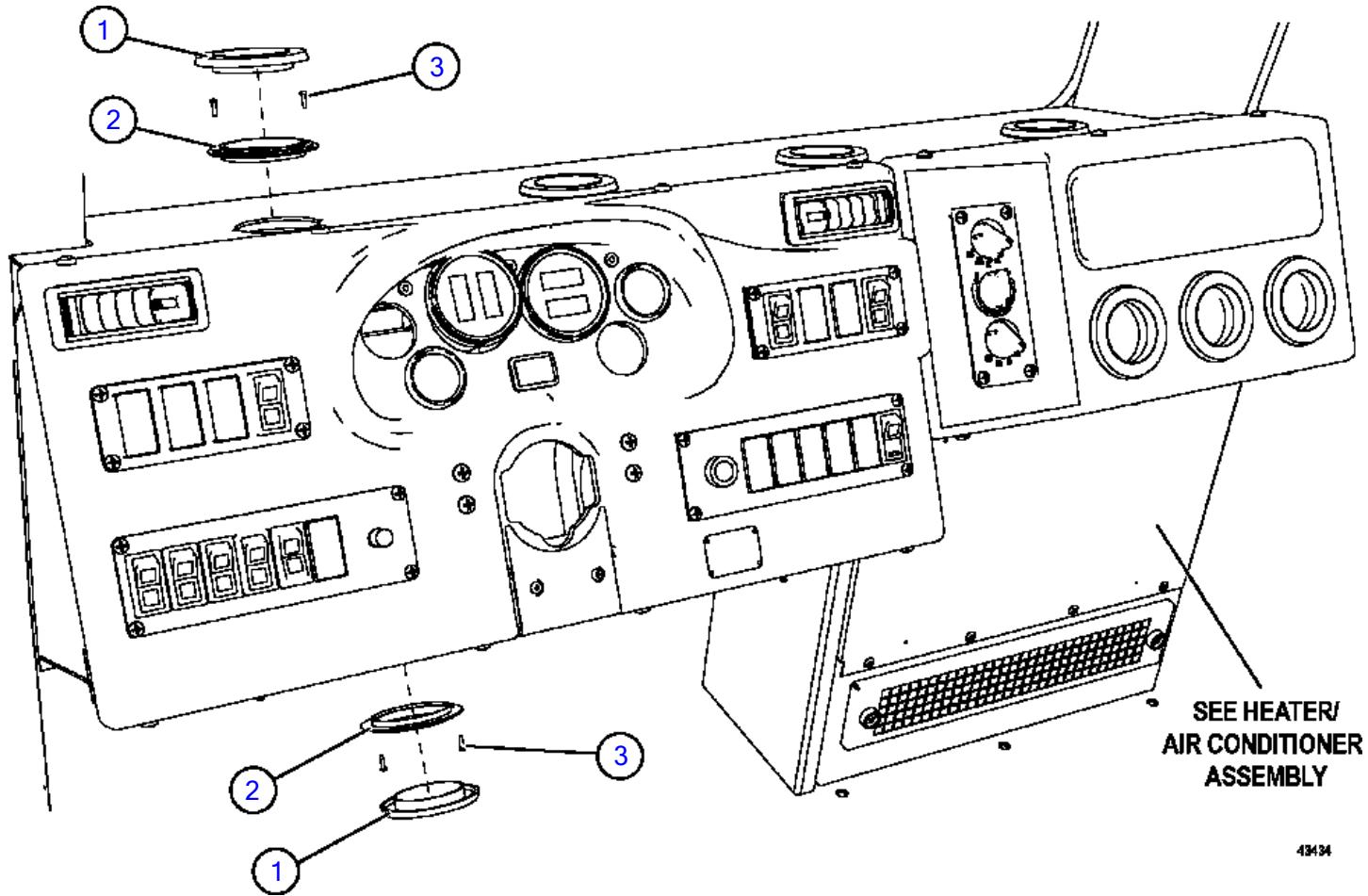


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A31597 ANTAMINA**

**HVAC INSTALLATION 2/2**

Item	Part No	Description	Qty	Page
1	SM6046	SEAL, TRIM EDGE	1	
2	HC0908	CLAMP, WORM DRIVE	8	
3	EB0256	HOSE, HEATER	1	
4	VG2833	HOSE, HEATER	2	
5	MM0026	CAPSCREW - M8 X 1.25 X 25	2	
6	MM0470	LOCKWASHER - M8	2	
7	TV2642	FITTING, ELBOW	2	
8	SM2111	PLATE, JUNCTION	1	
9	EC8894	SEAL, NEOPRENE	2	
10	SM6047	SEAL, TRIM EDGE	1	
11	EC8893	SEAL, NEOPRENE	2	
12	TH0031	HOSE, HEATER	1	
13	PC2600	HEATER/AIR CONDITIONER ASSEMBLY (SEE INDEX)	1	236
14	TG5601	CONNECTOR, HOSE	2	
15	HA7190	HOSE	1	
16	WA1733	O-RING	1	
17	HA7601	HOSE	1	
18	WA1731	O-RING	1	
19	MM0057	CAPSCREW - M8 X 1.25 X 60	1	
20	MM0460	FLAT WASHER - M8	1	
21	SM2489	BLOCK, JUNCTION	1	
22	TC1565	CLAMP, VINYL - 15/16" I.D.	1	
23	MM0608	CAPSCREW - M10 X 1.50 X 40	1	
24	WA4759	FLAT WASHER - 7/16"	2	
25	MM0471	LOCKWASHER - M10	1	
26	MM0178	NUT - M10 X 1.50	1	
27	MM0461	FLAT WASHER - M10	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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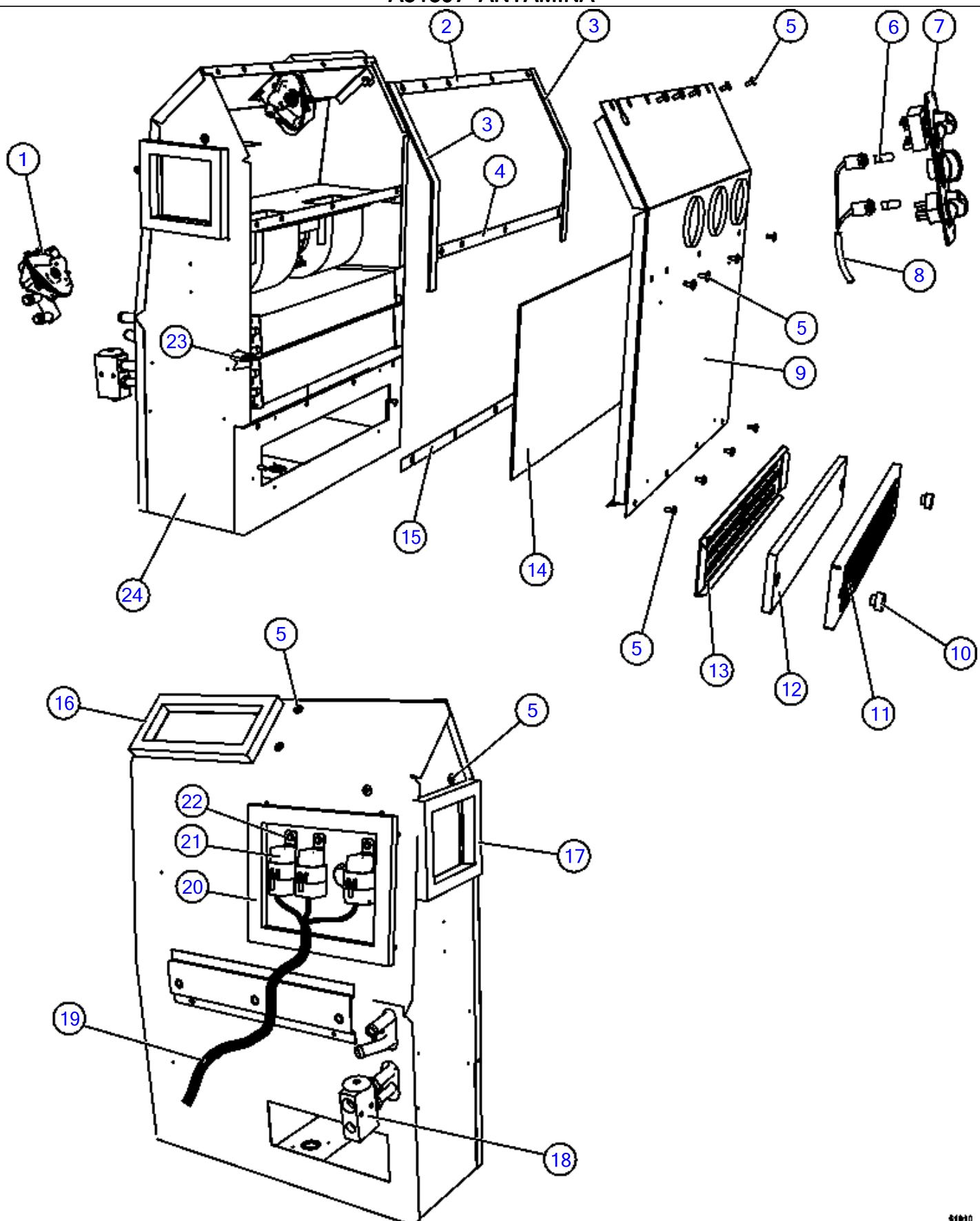
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A31597 ANTAMINA

HVAC VENTS

Item	Part No	Description	Qty
1	PB8319	LOUVER	8
2	PB8320	ADAPTER	8
3	SG2106	SCREW, SELF TAPPING - #6 - 32NC X 1/2"	16

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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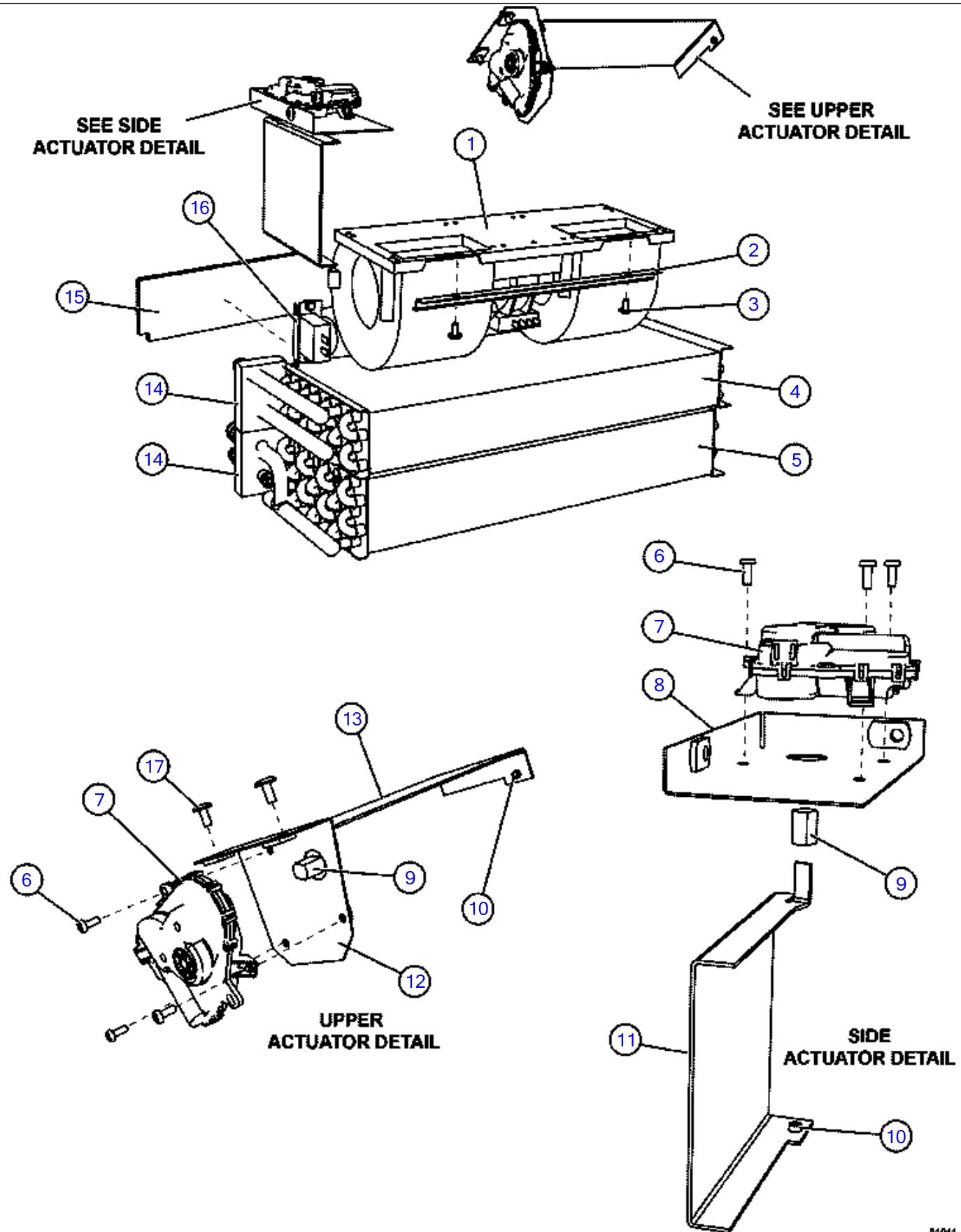


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 A31597 ANTAMINA

## HEATER/AIR CONDITIONER ASSEMBLY 1/2 PC2600

Item	Part No	Description	Qty	Page
1	EL5797	VALVE, WATER	1	
2	EM0093	PUNCHED STRIP	1	
3	EM0082	SEAL	2	
4	EM0092	PUNCHED STRIP	1	
5	EM0067	SCREW	15	
6	EM0085	BULB	2	
7	EL5676	CONTROL PANEL, SWITCH (SEE INDEX)	1	240
8	EM0076	HARNESS, CONTROL PANEL	1	
9	XA4433	COVER	1	
10	EM0069	KNOB	2	
11	EM0054	RECIRCULATION GRILLE - OUTER	1	
12	EM0055	RECIRCULATION FILTER	1	
13	EM0056	RECIRCULATION GRILLE - INNER	1	
14	EM0070	SEAL	1	
15	EM0087	PUNCHED STRIP	1	
16	EM0065	SEAL - TOP	1	
17	EM0063	SEAL - L.H.	1	
18	EM0057	EXPANSION BLOCK VALVE	1	
19	EM0078	HARNESS, MAIN UNIT	1	
20	EM0064	SEAL - FRONT	1	
21	EM0059	RELAY	3	
22	EM0084	SCREW	3	
23	EM0088	GROMMET	1	
24	EM0074	CASE	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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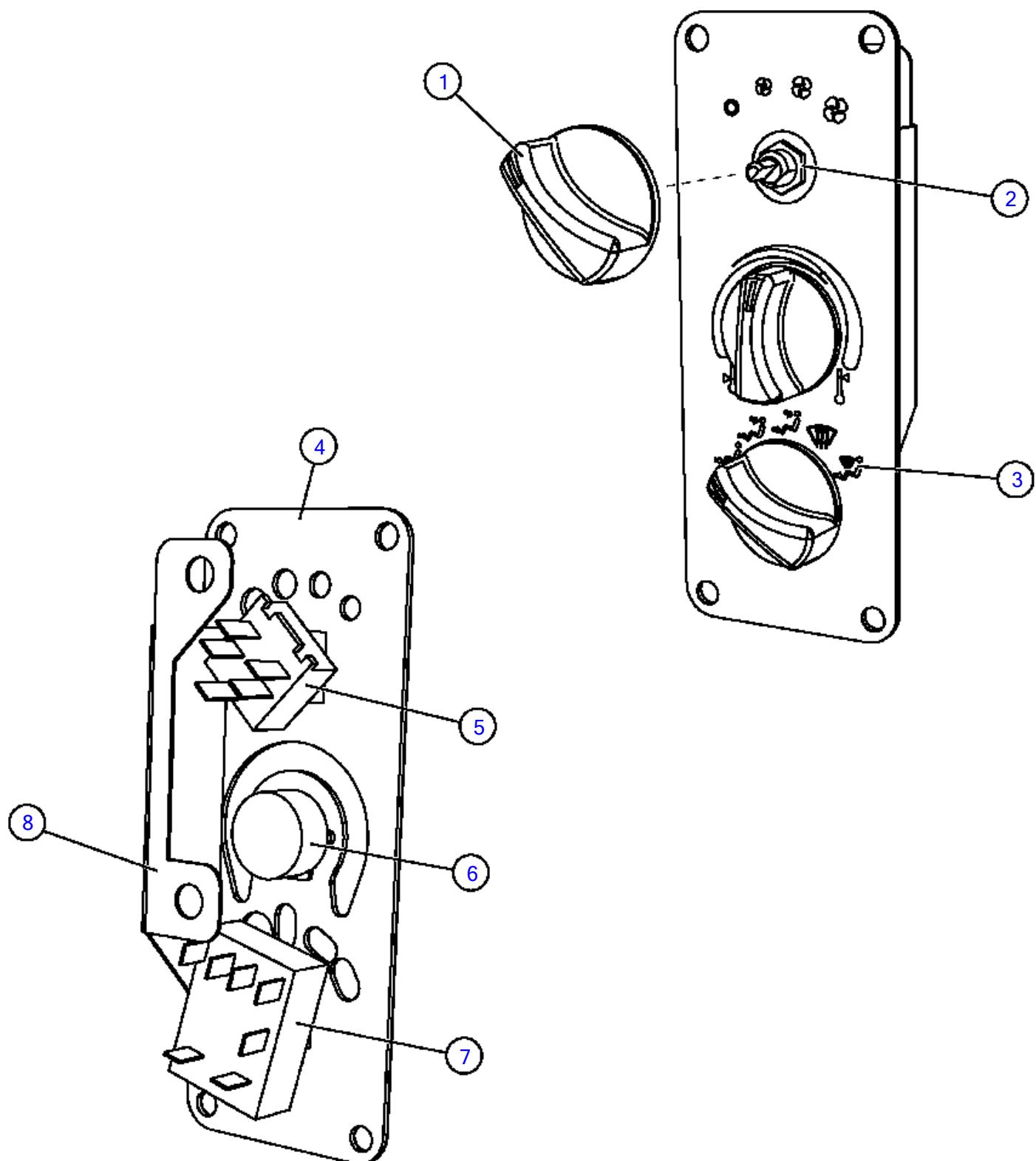


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 A31597 ANTAMINA

## HEATER/AIR CONDITIONER ASSEMBLY 2/2 PC2600

Item	Part No	Description	Qty
1	EM0053	BLOWER ASSEMBLY	1
2	EM0094	BLOWER RETAINER	1
3	EM0067	SCREW	2
4	EM0052	HEATER CORE	1
5	EM0051	EVAPORATOR CORE	1
6	EM0083	SCREW	6
7	EM0060	ACTUATOR	2
8	EM0075	BRACKET	1
9	EM0089	DRIVE ADAPTER	2
10	EM0086	PIVOT BUSHING	2
11	EM0091	DAMPER DOOR (SIDE)	1
12	EM0073	BRACKET	1
13	EM0090	DAMPER DOOR (UP)	1
14	EM0072	FOAM	2
15	EM0071	FOAM	1
16	EM0062	THERMOSTAT	1
17	58D-98-00010	SCREW	2

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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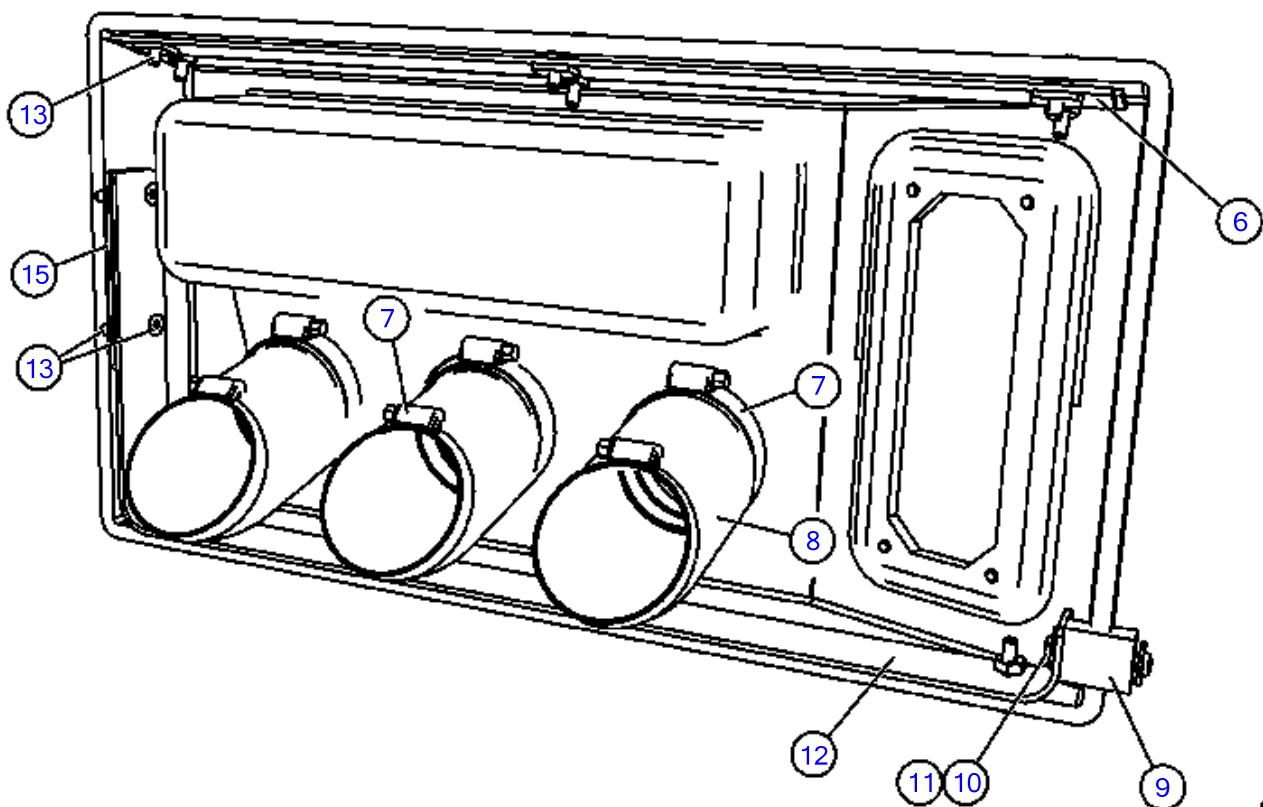
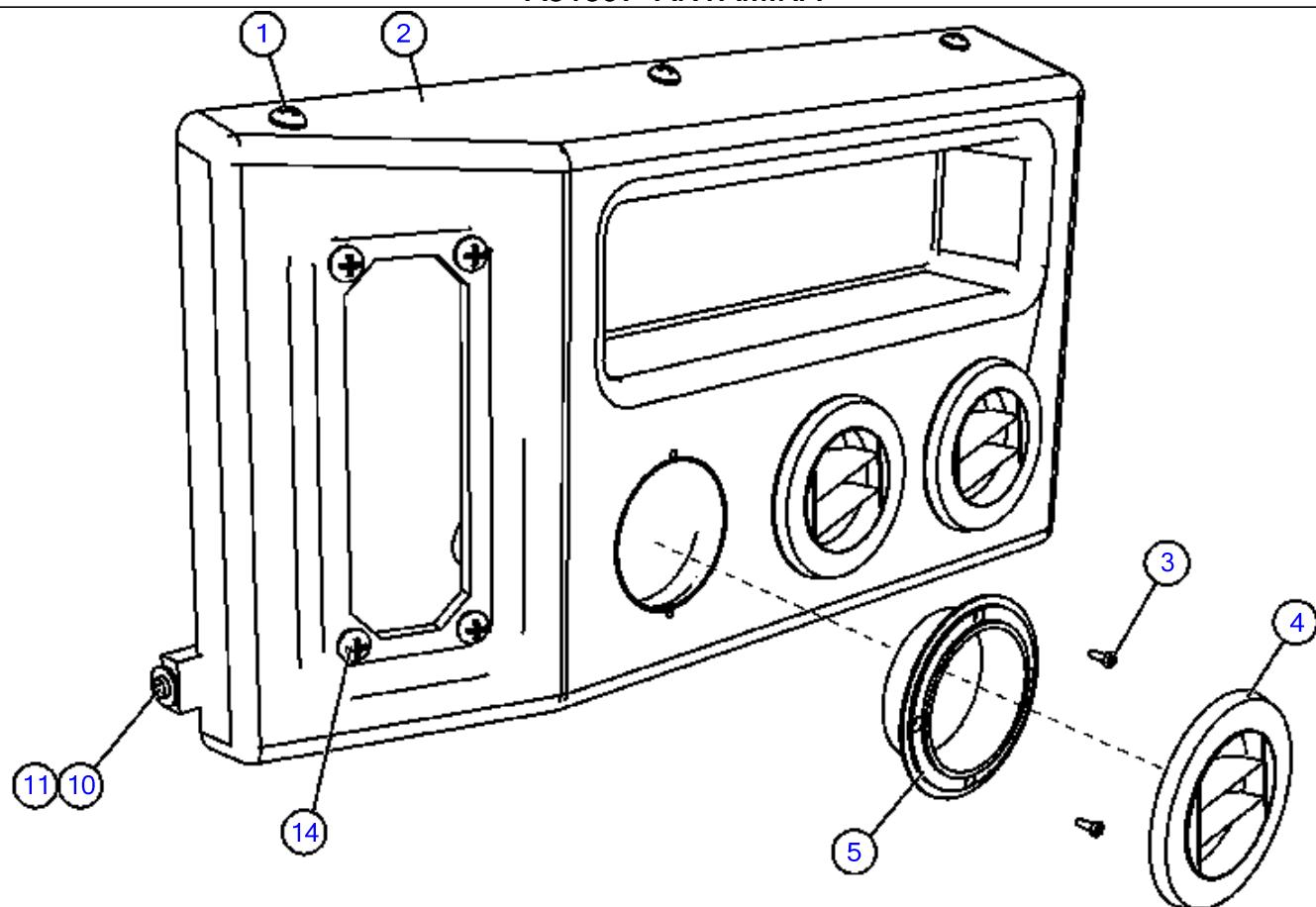
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 A31597 ANTAMINA

**CONTROL PANEL SWITCH      EL5676**

Item	Part No	Description	Qty
1	XA4474	KNOB, CONTROL	3
2	XA4476	NUT - 7/16" - 28NF	3
3	XA4475	LABEL, CONTROL PANEL	1
4	XA4477	PANEL, CONROL	1
5	XA4480	SWITCH, 3 SPEED ROTARY	1
6	XA4478	RESISTOR, VARIABLE	1
7	XA4479	SWITCH, ROTARY (W/ NUTS)	1
8	XA4481	BRACKET, LAMP	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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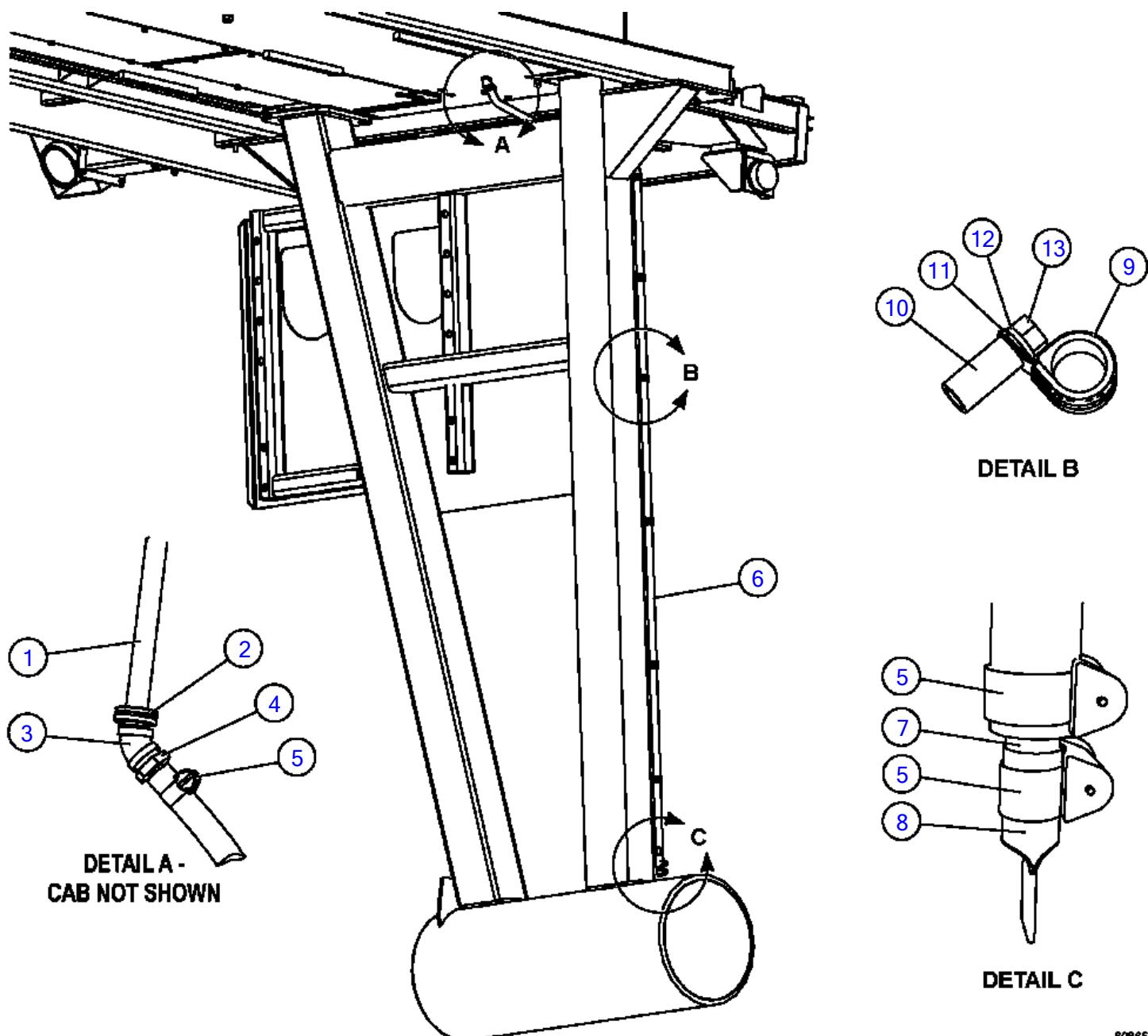


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 A31597 ANTAMINA

### HEATER/AIR CONDITIONER DASH MODULE

Item	Part No	Description	Qty
1	PB8658	SCREW - M6 X 1.00 X 30	6
2	EL1060	PANEL, MOLDED	1
3	SM2406	SCREW, SELF-TAPPING - #6 - 32NC X 3/8"	6
4	PB8319	LOUVER	3
5	EK7943	ADAPTER, HOSE	3
6	EK8966	MOUNT, TOP DASH	1
7	HC0920	CLAMP, WORM DRIVE	6
8	EK7941	HOSE	3
9	EK5507	BLOCK	1
10	MM0349	MACHINE SCREW - M5 X .8 X 12	2
11	TR1307	FLAT WASHER - 1/4"	2
12	XB0400	BAR	1
13	SM2682	SCREW, COUNTERSUNK	7
14	SM0926	SCREW - M6 X 1.00	4
15	XB0402	PLATE	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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**A31597 ANTAMINA**

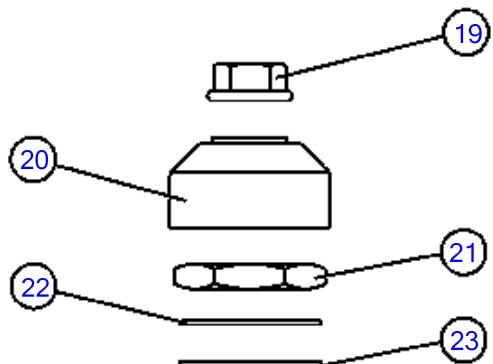
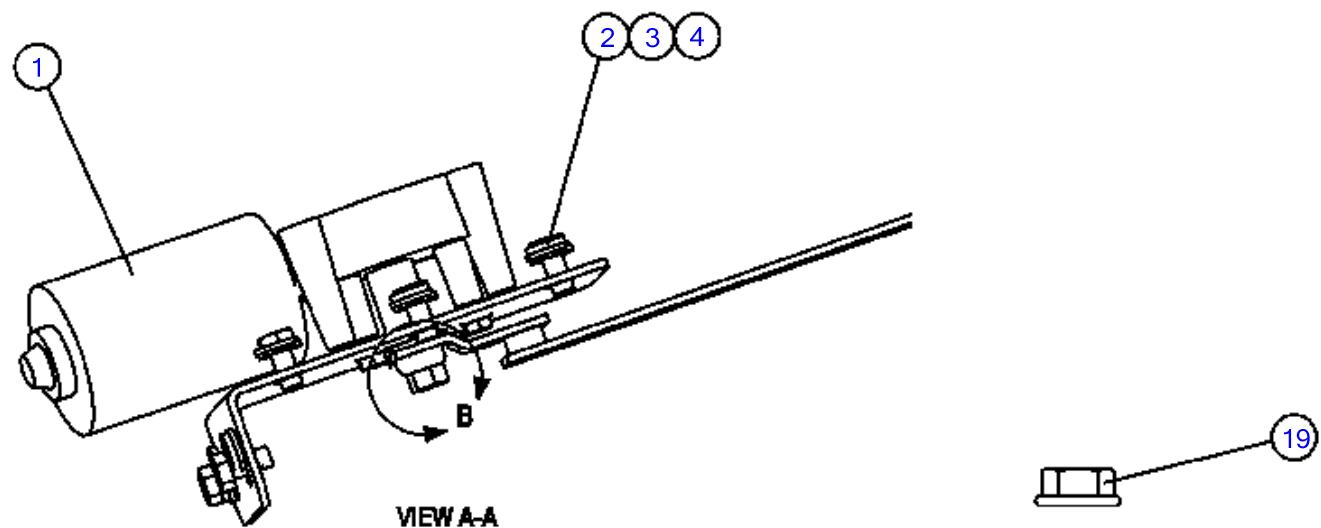
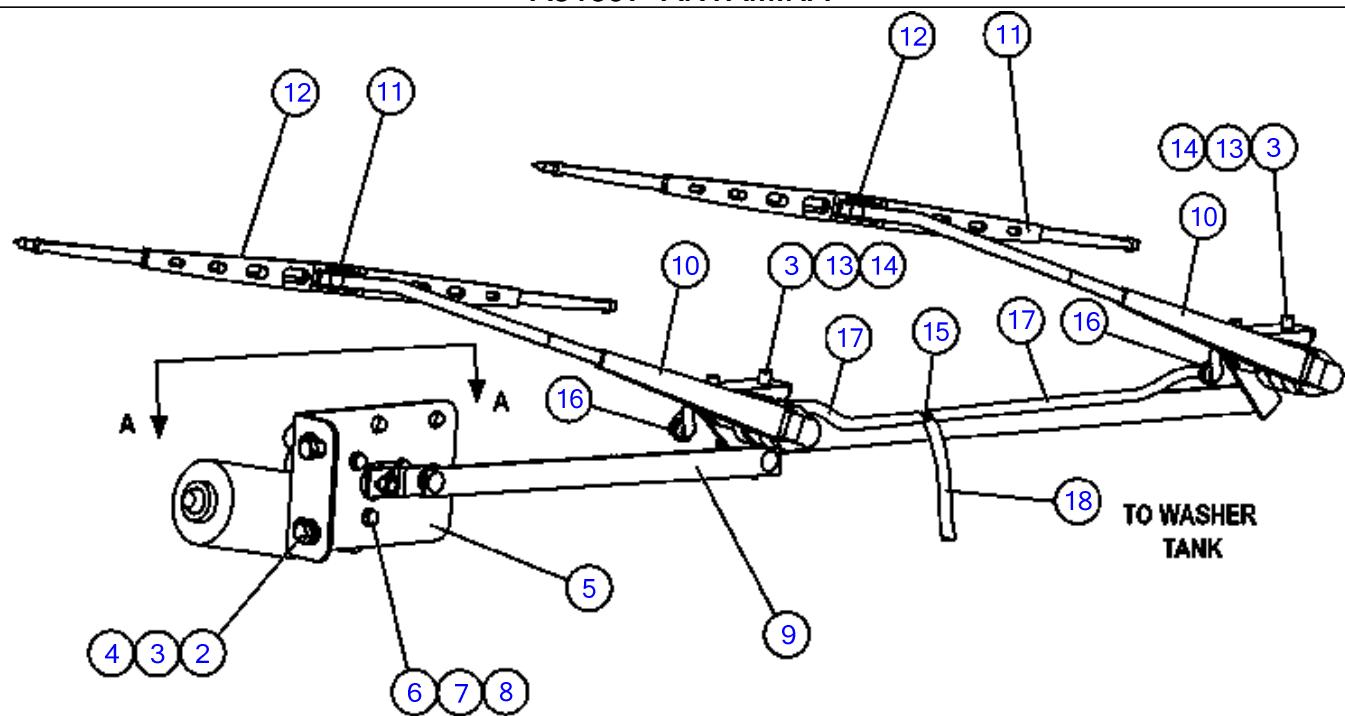


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 A31597 ANTAMINA

### HEATER/AC DRAIN HOSE INSTALLATION

Item	Part No	Description	Qty
1	TG1993	NIPPLE, LONG - 1/2" NPT X 8"	1
2	SL6447	GROMMET	1
3	R5011	FITTING, ELBOW	1
4	KC3835	FITTING, PIPE	1
5	HC0908	CLAMP, WORM DRIVE	3
6	HK0425	HOSE	1
7	SM6023	TUBE, DRAIN	1
8	SM6022	VALVE, VACUUM	1
9	WB3093	CLAMP, CUSHIONED - 1"	7
10	TY8375	SPACER	7
11	MM0461	FLAT WASHER - M10	7
12	MM0471	LOCKWASHER - M10	7
13	MM0178	NUT - M10 X 1.50	7

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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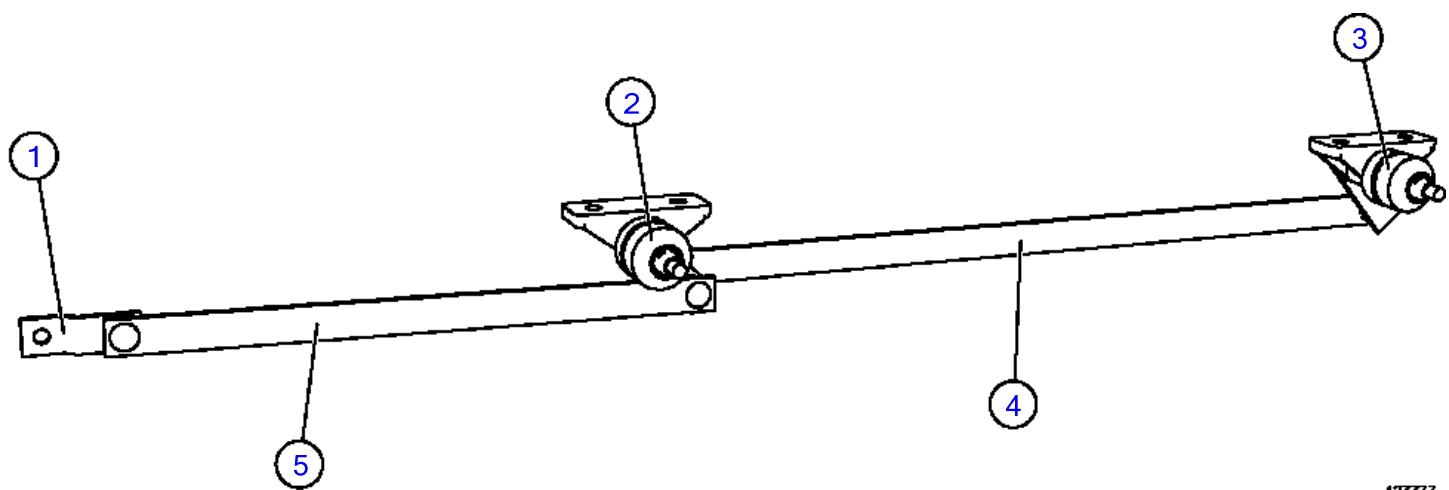
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## WINDSHIELD WIPER/WASHER INSTALLATION

Item	Part No	Description	Qty	Page
1	PB9923	MOTOR, WIPER - 24 VOLT	1	
2	MM0592	CAPSCREW - M8 X 1.25 X 16	5	
3	MM0712	FLAT WASHER - M8 (HARDENED)	14	
4	MM0470	LOCKWASHER - M8	5	
5	SM4345	PLATE	1	
6	MM0581	CAPSCREW - M6 X 1.00 X 16	3	
7	MM0711	FLAT WASHER - M6 (HARDENED)	3	
8	MM0469	LOCKWASHER - M6	3	
9	PB9926	WIPER LINKAGE ASSEMBLY (SEE INDEX)	1	248
10	PC1823	ARM, WET WIPER	2	
11	XA2095	NOZZLE	2	
12	PB9925	BLADE, WIPER	2	
13	MM0022	CAPSCREW - M8 X 1.25 X 20	4	
14	MM0460	FLAT WASHER - M8	4	
15	EG0735	TEE, HOSE	1	
16	TF6380	GROMMET, RUBBER	2	
17	SM4477	HOSE	2	
18	EG3904	HOSE	1	
19		NUT - M8 X 1.25 (1)	1	
20		COVER (1)	1	
21		NUT - M20 X 1.00 (1)	1	
22		WASHER (1)	1	
23		WASHER (1)	1	
NS		NOTE: (1) NOT SERVICED SEPARATELY. ORDER HARDWARE KIT XA3071.		
NS				

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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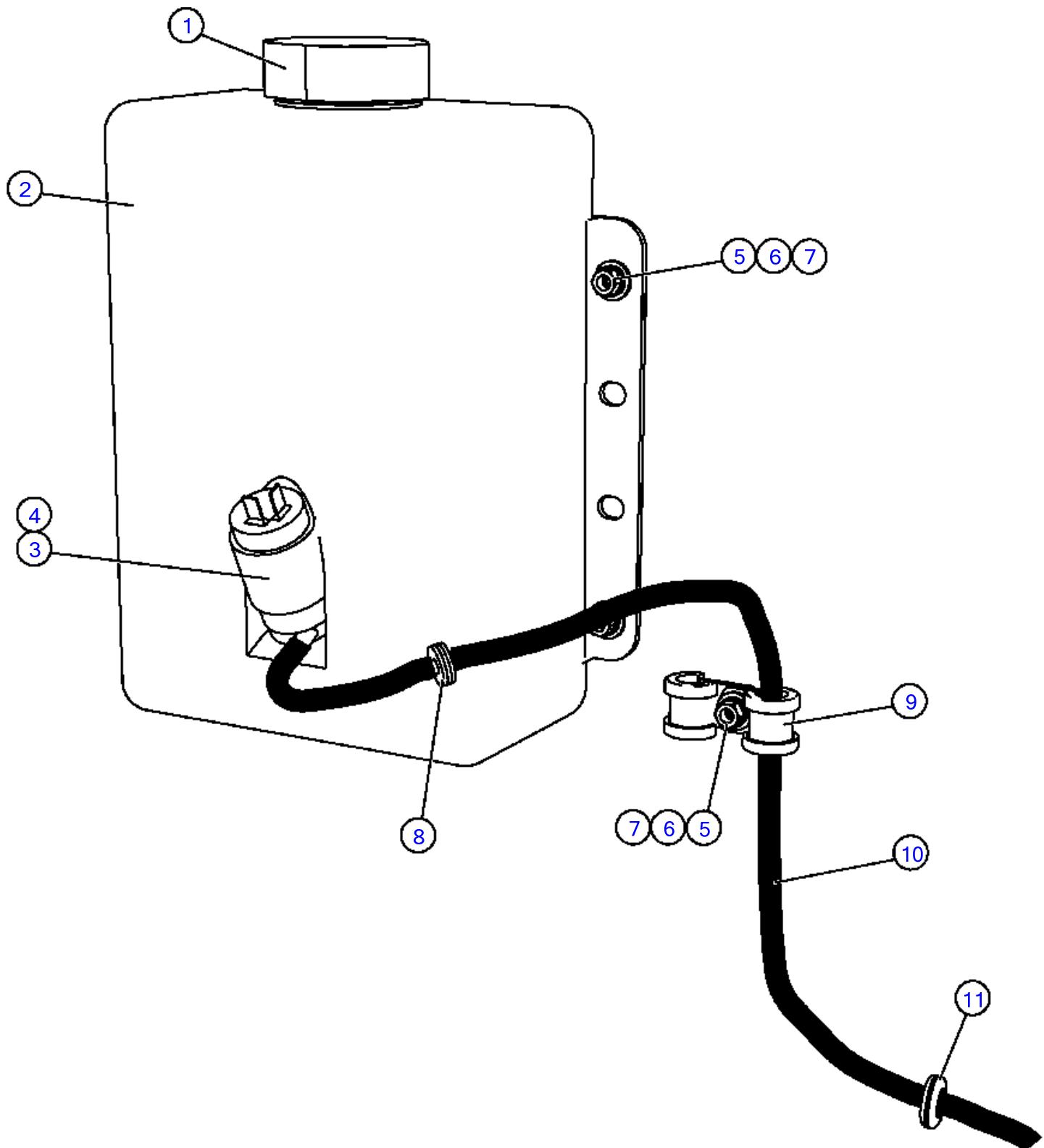
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A31597 ANTAMINA

WIPER LINKAGE ASSEMBLY PB9926

Item	Part No	Description	Qty
1	XA5139	CRANK, MOTOR	1
2	XA2892	SPINDLE (RH)	1
3	XA2893	SPINDLE (LH)	1
4	XA2891	LINK (LH)	1
5	XA2890	LINK (RH)	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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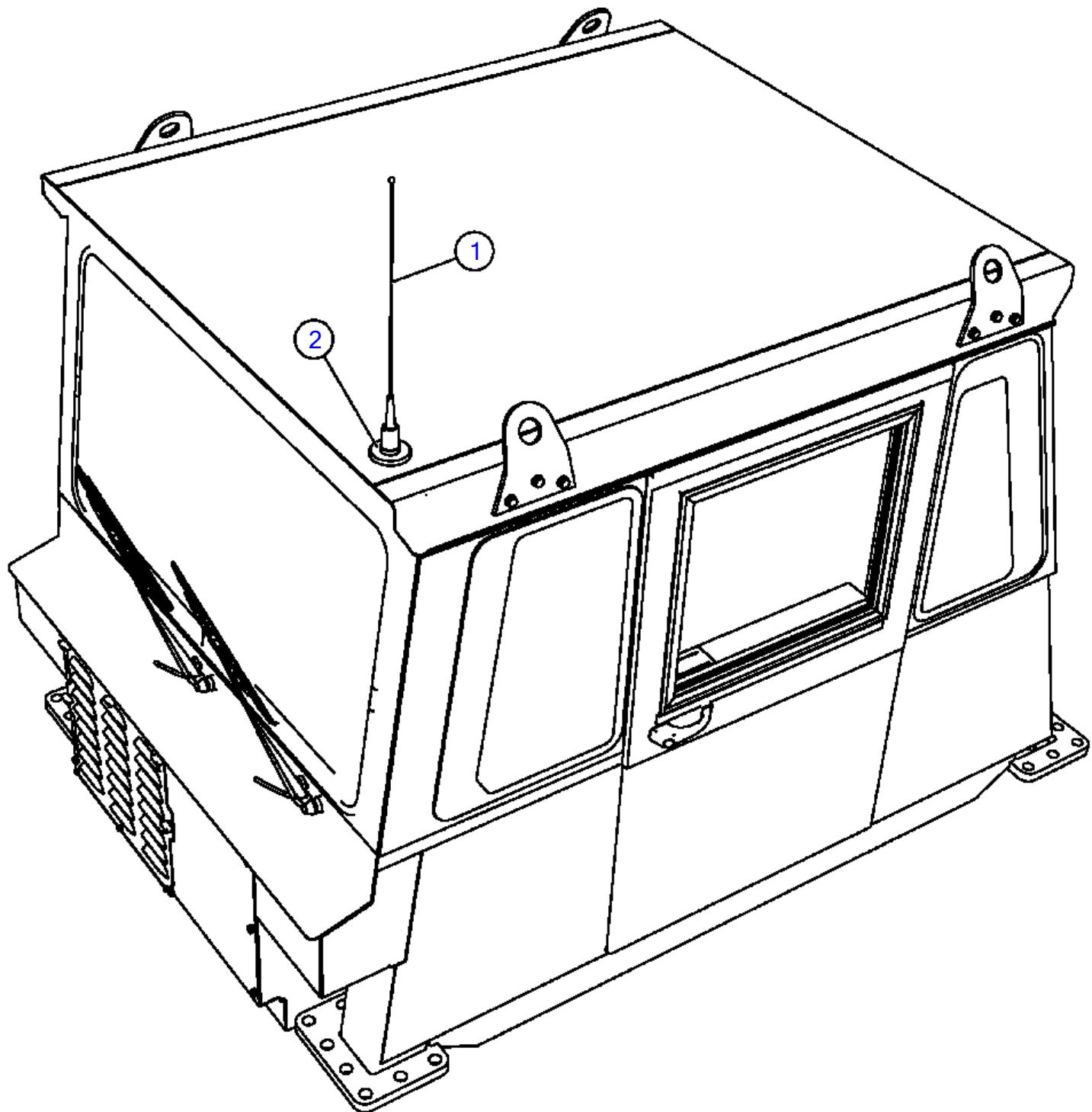
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### WINDSHIELD WASHER INSTALLATION

Item	Part No	Description	Qty
0	PB7514	WINDSHIELD WASHER ASSEMBLY	1
1	VE2942	• CAP	1
2	VE5339	• TANK	1
3	VE2941	• PUMP	1
4	VE6598	• GROMMET	1
5	MM0176	NUT - M6 X 1.00	5
6	MM0469	LOCKWASHER - M6	5
7	VF6144	FLAT WASHER - 1/4"	5
8	PC2145	VALVE, CHECK	1
9	VN0137	CLAMP, CUSHIONED - 7/16"	2
10	EG3904	HOSE	1
11	VC8920	GROMMET, RUBBER	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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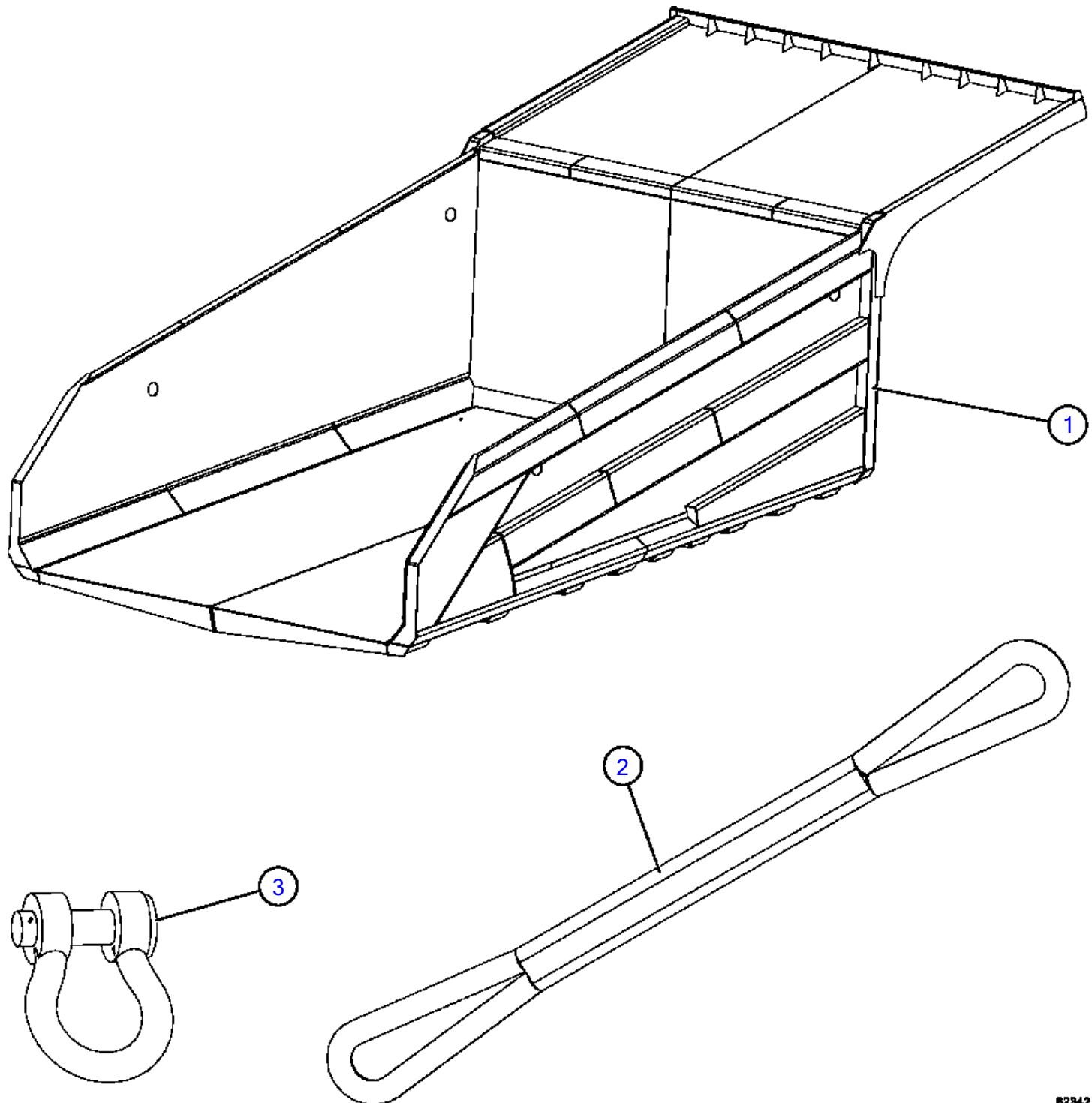
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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA

### ORBCOMM CAB INSTALLATION

Item	Part No	Description	Qty
1	PC1692	ANTENNA, ORBCOMM	1
2	PC1964	ANTENNA MOUNT, MAGNETIC	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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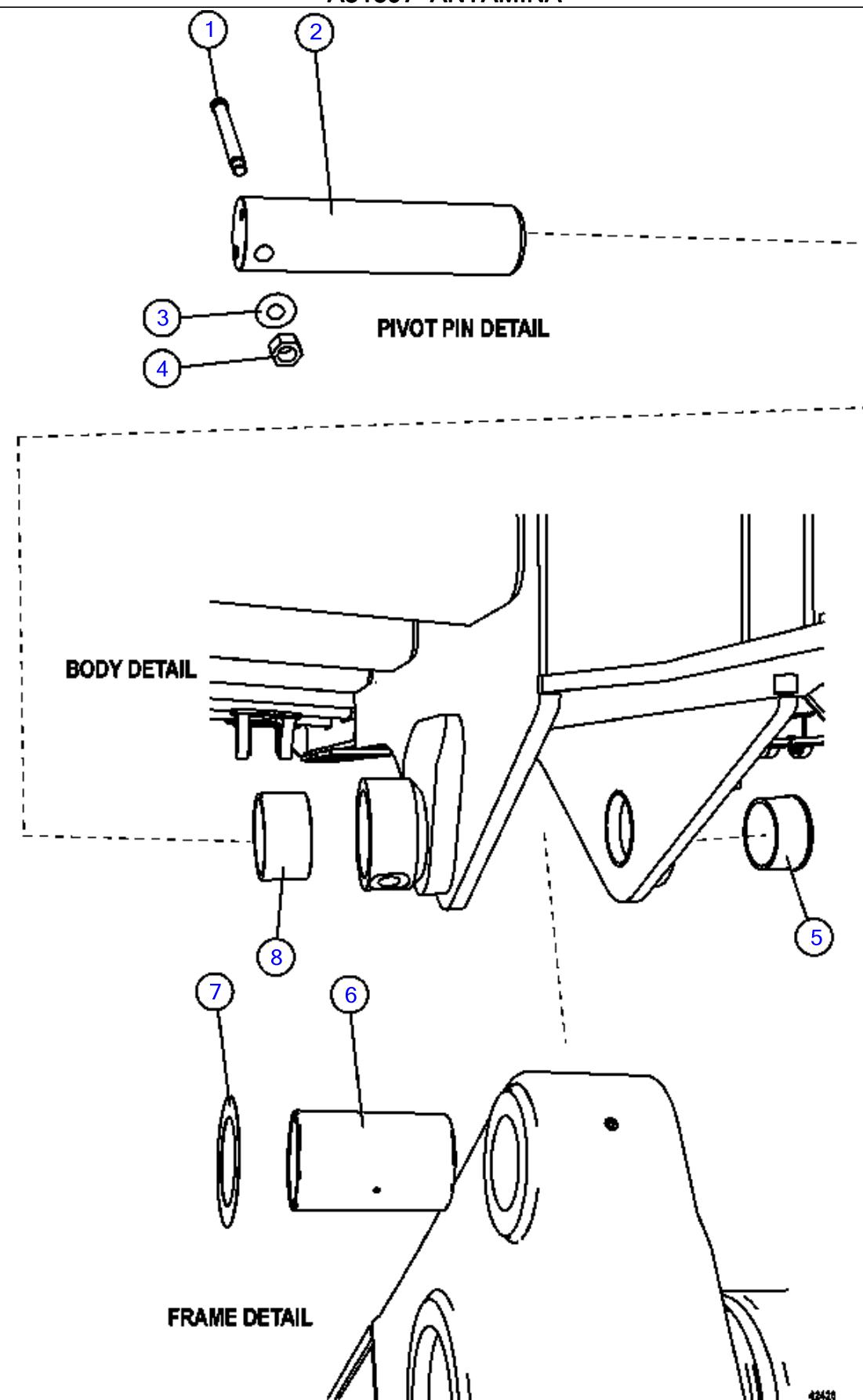


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**AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA**  
**BODY & SLING**

Item	Part No	Description	Qty
1		BODY (1)	1
2	PC2995	SLING, BODY RETENTION (2)	1
3	PC0367	SHACKLE, ANCHOR (2)	2
NS		NOTE: NS = NOT SHOWN	
NS	EH9292	FENDER - RH (3)	1
NS	EH9293	FENDER - LH (3)	1
NS		NOTE: (1) ORDER FROM FACTORY.	
NS		(2) FOR USE WITH KOMATSU BODIES ONLY.	
NS		(3) WELDED TO BODY.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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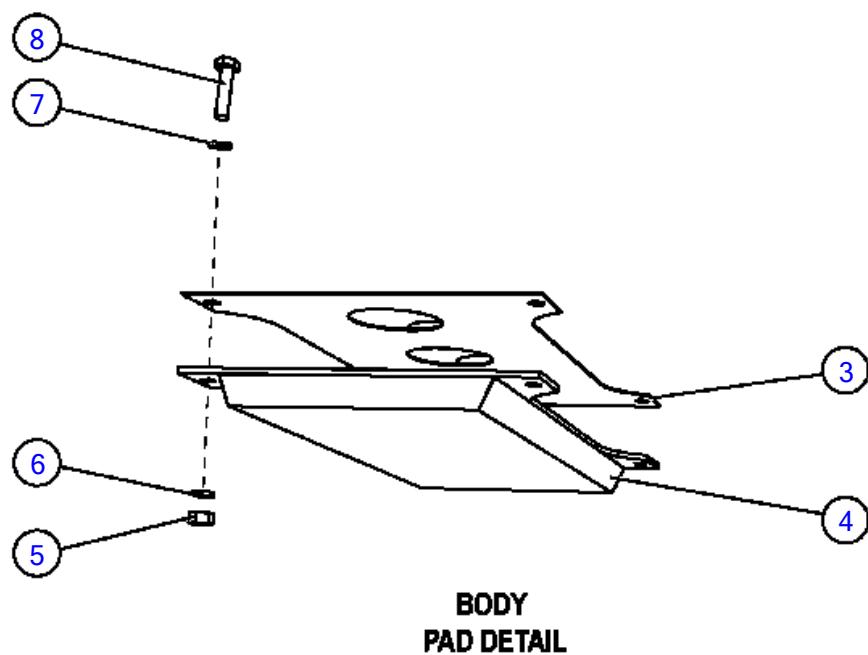
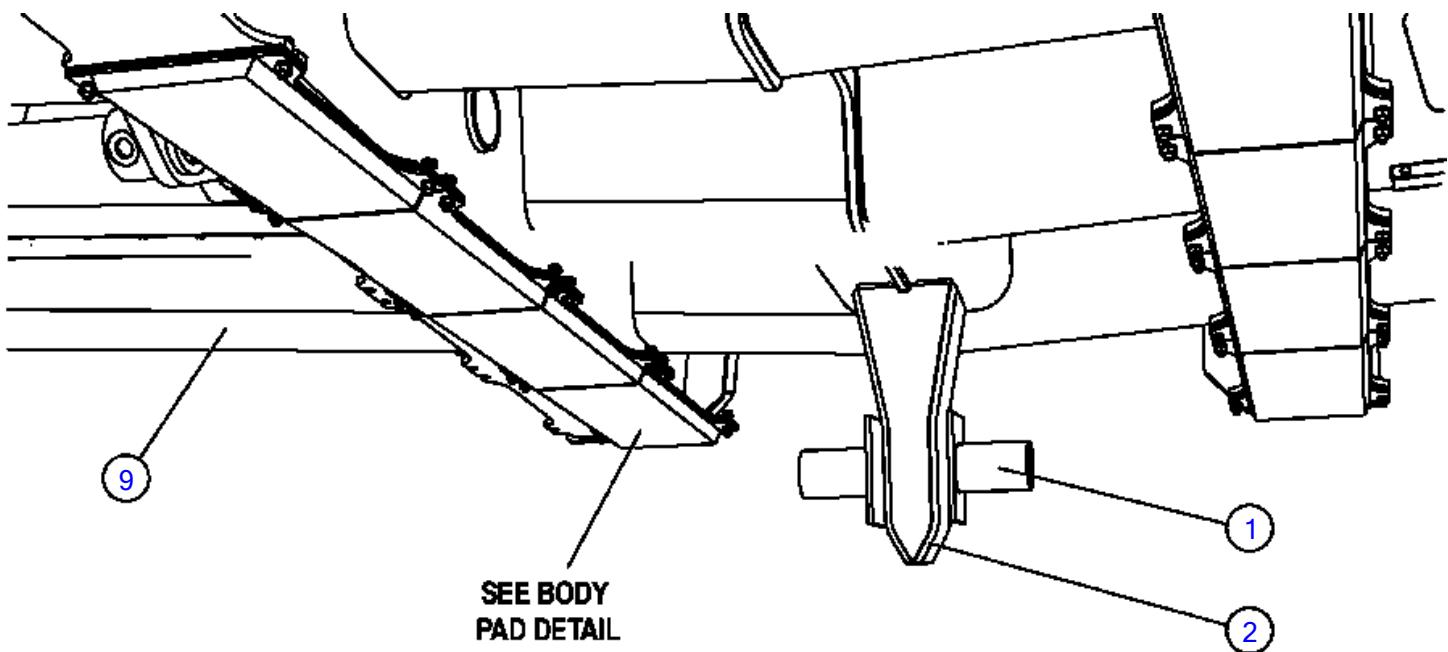


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### BODY PIVOT

Item	Part No	Description	Qty	uom
1	EM8112	SHOULDER BOLT - 1 1/8" - 7NC X 7.99" (1)	2	
2	ED0569	PIN, BODY PIVOT (1)	2	
3	WA0365	FLAT WASHER - 1 1/8" (HARDENED) (1)	4	
4	PC3201	NUT, SELF-LOCKING - 1 1/8" - 7NC (1)	2	
5	EF0745	BUSHING, BODY PIVOT - INNER (1)	2	
6	TY8820	BUSHING, PIVOT (1)	2	
7	TY9293	SHIM (1)		
8	ED7962	BUSHING, BODY PIVOT - OUTER (1)	2	
NS	AK5666	NOTE: (1) INCLUDED IN AK5666 BODY PIVOT PIN KIT.		AS REQUIRED

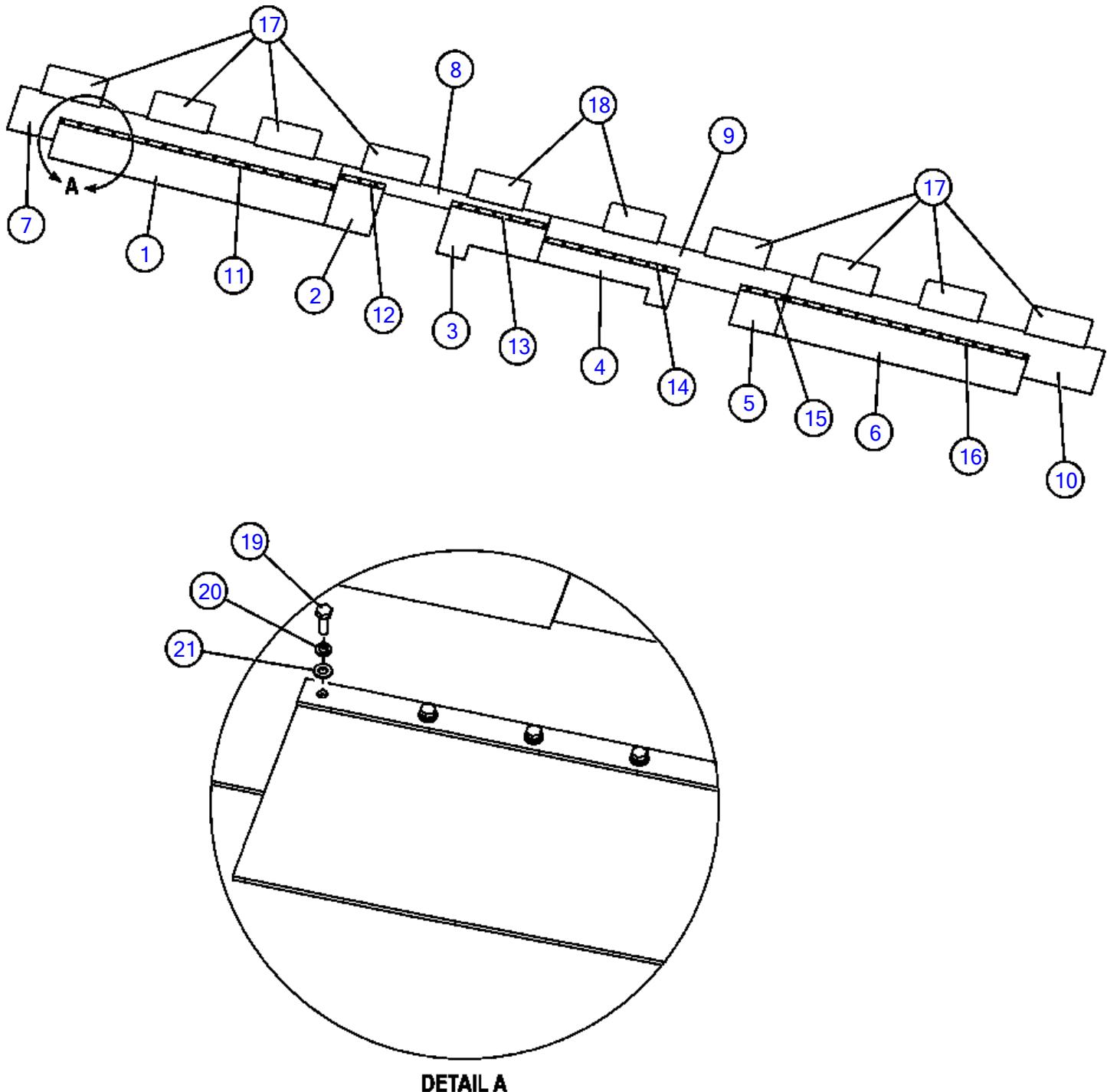
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A31597 ANTAMINA



**AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
 A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA**  
**BODY GUIDE & PADS**

Item	Part No	Description	Qty
1	TY5960	GUIDE, BODY	2
2	EF0742	GUIDE, BODY	1
3	TY9407	SHIM	118
4	EG8098	PAD, BODY	8
5	TR6643	NUT - 1/2" - 13NC	32
6	TR5445	LOCKWASHER - 1/2"	32
7	WA4728	FLAT WASHER - 1/2" (HARDENED)	32
8	C1619	CAPSCREW - 1/2" - 13NC X 2 3/4"	32
9		BODY (1)	1
NS		NOTE: NS = NOT SHOWN	
NS	XC2293	BLOCK, SPACER (2)	2
NS	C1622	CAPSCREW - 1/2" - 13NC X 3 1/2" (2)	4
NS		NOTE: (1) ORDER FROM FACTORY.	
NS		(2) USED FOR BODY PAD SHIMMING PROCEDURE ONLY.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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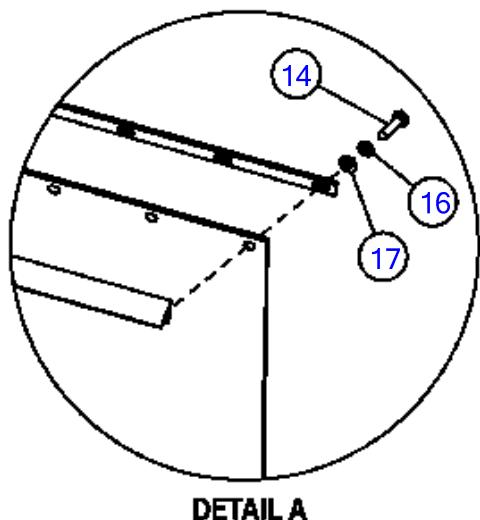
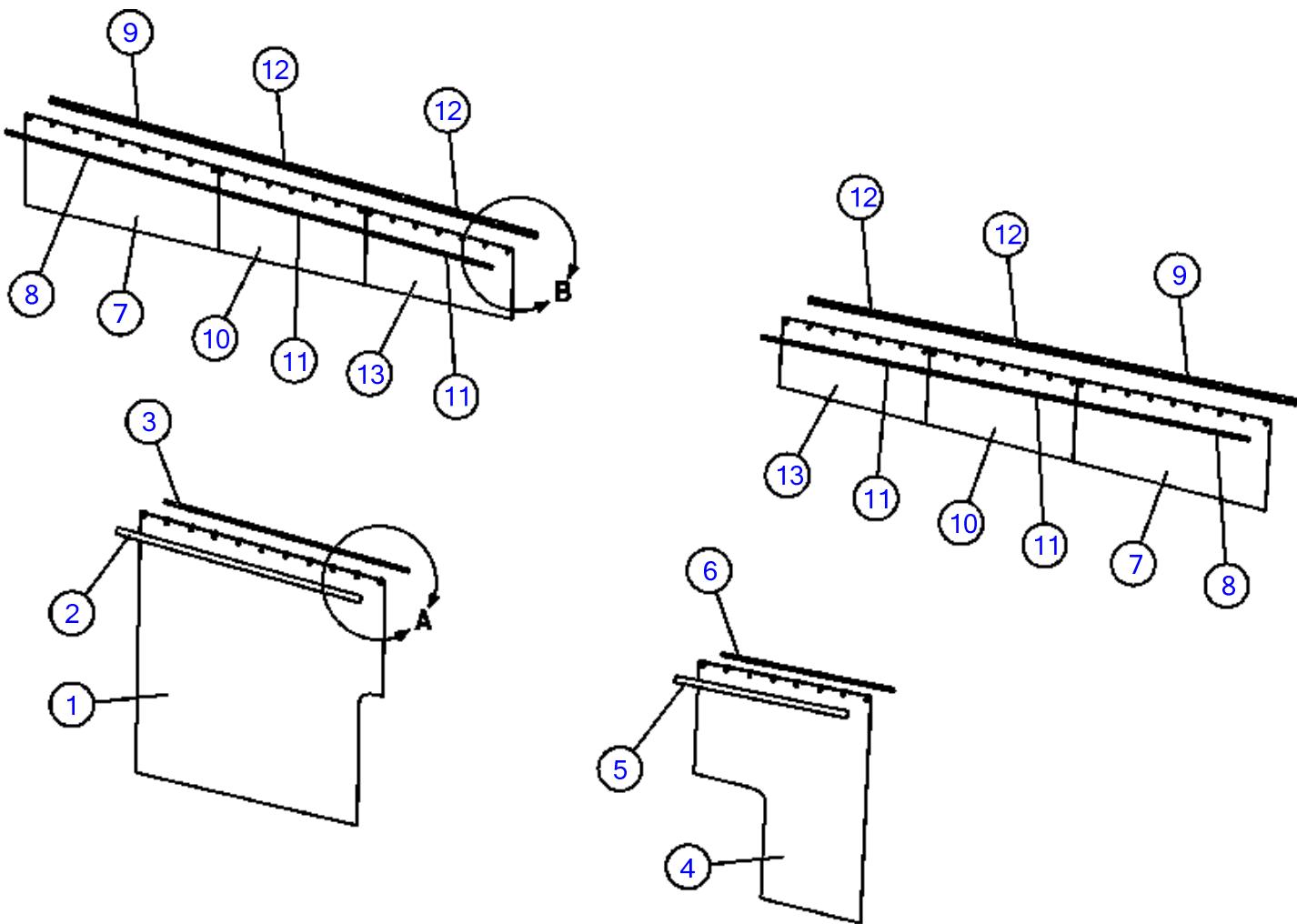


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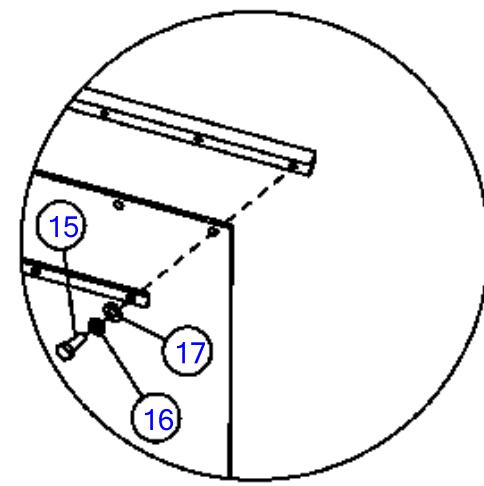
**BODY MUD FLAPS 1/2**

Item	Part No	Description	Qty
1	XB5621	MUD FLAP	1
2	XC3184	MUD FLAP	1
3	XC3330	MUD FLAP	1
4	XC3465	MUD FLAP	1
5	XC3464	MUD FLAP	1
6	XB5624	MUD FLAP	1
7	EJ3096	PLATE, MOUNTING	1
8	XC3451	PLATE, MOUNTING	1
9	XC3449	PLATE, MOUNTING	1
10	EJ3104	PLATE, MOUNTING	1
11	EG9142	STRIP, BACKUP	1
12	XC3454	STRIP, BACKUP	1
13	XC3454	STRIP, BACKUP	1
14	XC3467	STRIP, BACKUP	1
15	XC3466	STRIP, BACKUP	1
16	TY8848	BAR, RETAINER	1
17	EH9926	PLATE	8
18	EG9120	PLATE	2
19	MM0606	CAPSCREW - M10 X 1.50 X 30	52
20	MM0471	LOCKWASHER - M10	52
21	MM0461	FLAT WASHER - M10	52

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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DETAIL A



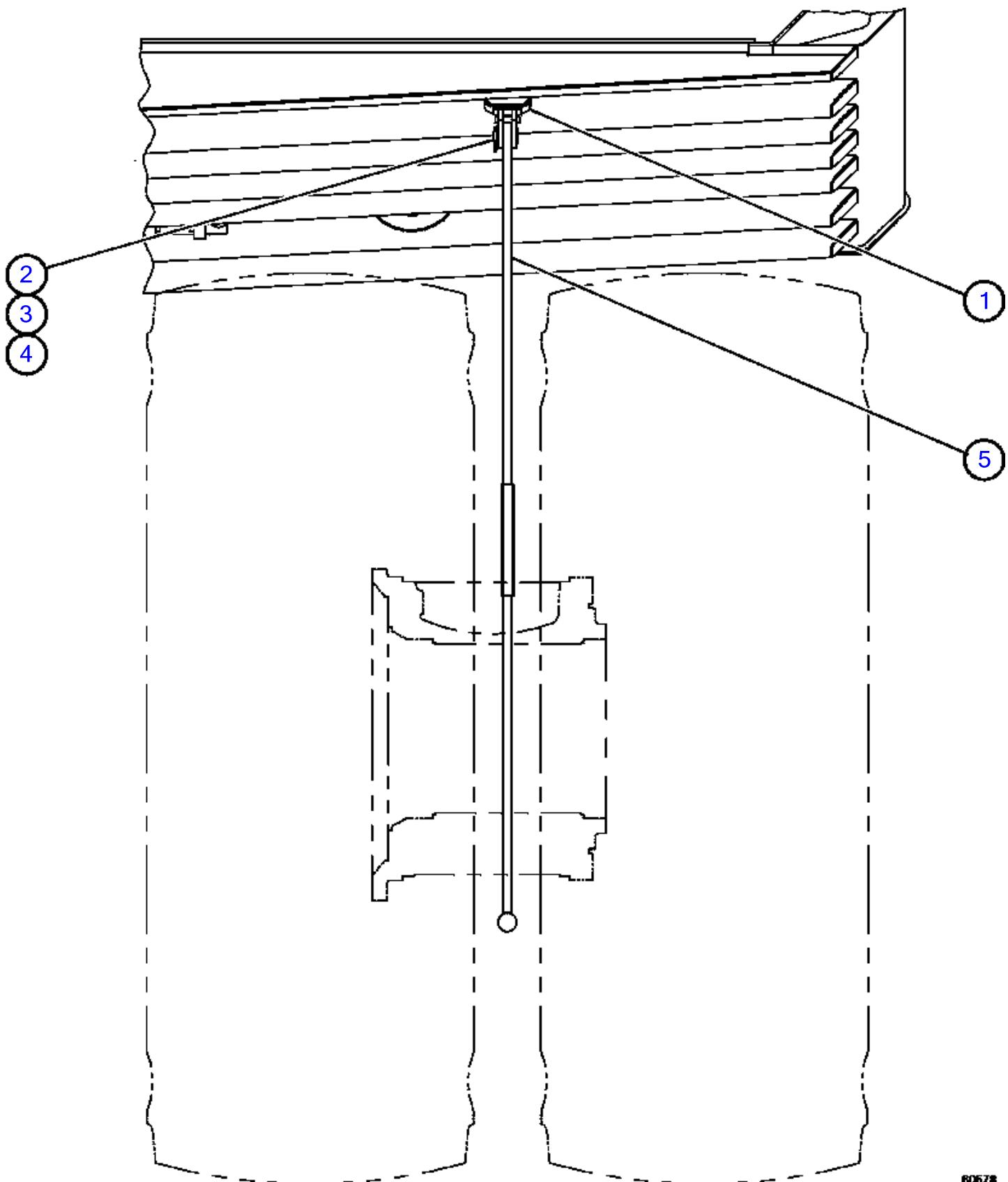
DETAIL B

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 A31597 ANTAMINA

**BODY MUD FLAPS 2/2**

Item	Part No	Description	Qty
1	XB5626	MUD FLAP	1
2	EF4831	BRACKET, ANGLE	1
3	EF4832	BAR, FLAT	1
4	XB5625	MUD FLAP	1
5	EF4827	BRACKET, ANGLE	1
6	EF4828	BAR, FLAT	1
7	XB5627	MUD FLAP	2
8	EH5381	STRIP, BACKUP	2
9	EG9124	BAR, FLAT	2
10	XB5628	MUD FLAP	2
11	EF3391	STRIP, BACKUP	4
12	EF3392	BAR, FLAT	4
13	XB5629	MUD FLAP	2
14	MM0607	CAPSCREW - M10 X 1.50 X 35	19
15	MM0606	CAPSCREW - M10 X 1.50 X 30	46
16	MM0471	LOCKWASHER - M10	65
17	MM0461	FLAT WASHER - M10	65

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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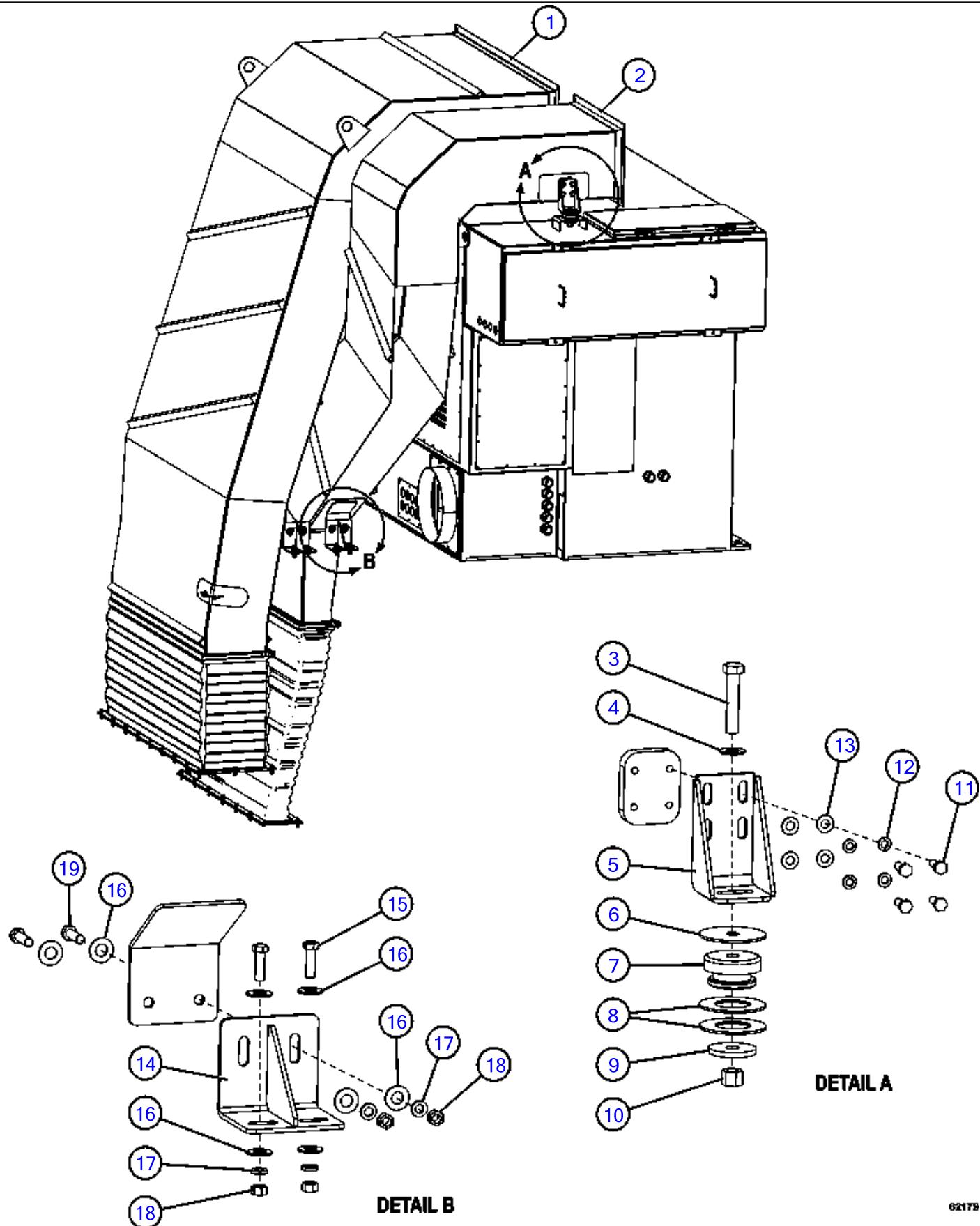
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A31597 ANTAMINA

## ROCK EJECTORS INSTALLATION

Item	Part No	Description	Qty
1	EJ7563	MOUNT, EJECTOR ARM - R.H.	1
	EJ7564	MOUNT, EJECTOR ARM - L.H.	1
2	EJ7574	PIN	2
3	VC6188	FLAT WASHER - 1 1/2"	2
4	C2508	COTTER PIN	2
5	EJ7567	ARM, EJECTOR	2

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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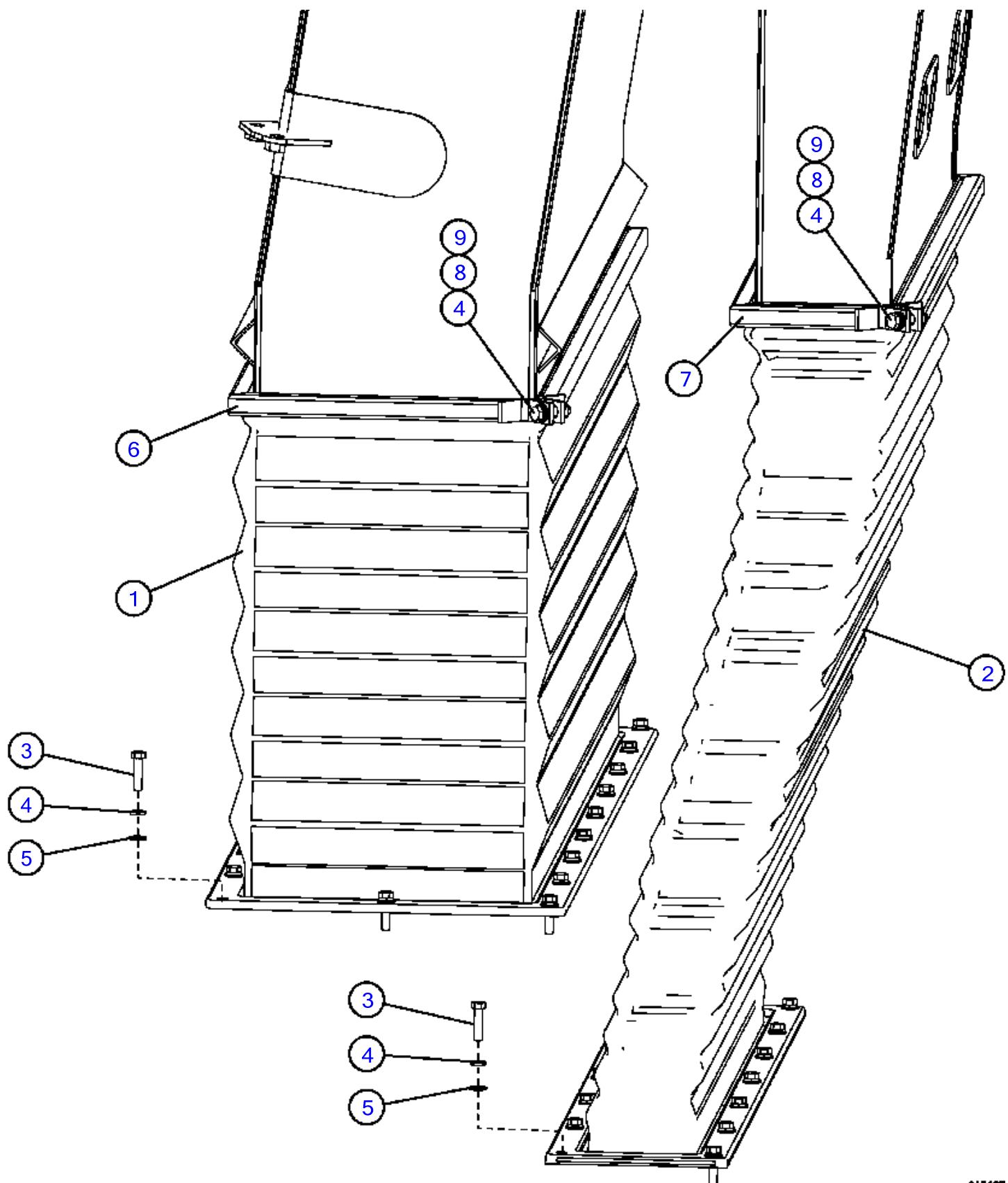


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## BLOWER INLET DUCT INSTALLATION

Item	Part No	Description	Qty
1	58B-03-00410 EL8938	DUCT, WHEEL MOTOR BLOWER • SCREEN, INTAKE (1)	1
2	XB5110 EL8944	DUCT, ALTERNATOR BLOWER • SCREEN, INTAKE (1)	1
3	C1636	CAPSCREW - 5/8" - 11NC X 3 1/2"	4
4	WA4729	FLAT WASHER - 5/8" (HARDENED)	4
5	EL3792	BRACKET, MOUNTING	4
6	EK7045	WASHER	4
7	WA2591	MOUNT, RUBBER	4
8	EK7044	WASHER	8
9	WA4719	WASHER	4
10	TG9226	LOCKNUT - 5/8" - 11NC	4
11	MM0605	CAPSCREW - M10 X 1.50 X 25	16
12	MM0471	LOCKWASHER - M10	16
13	WA4727	FLAT WASHER - 7/16" (HARDENED)	16
14	EJ9295	BRACKET, MOUNTING	4
15	MM0622	CAPSCREW - M12 X 1.75 X 50	8
16	WA4729	FLAT WASHER - 5/8" (HARDENED)	32
17	MM0472	LOCKWASHER - M12	16
18	MM0179	NUT - M12 X 1.75	16
19	MM0619	CAPSCREW - M12 X 1.75 X 35	8
NS		NOTE: (1) WELD-ON COMPONENT.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



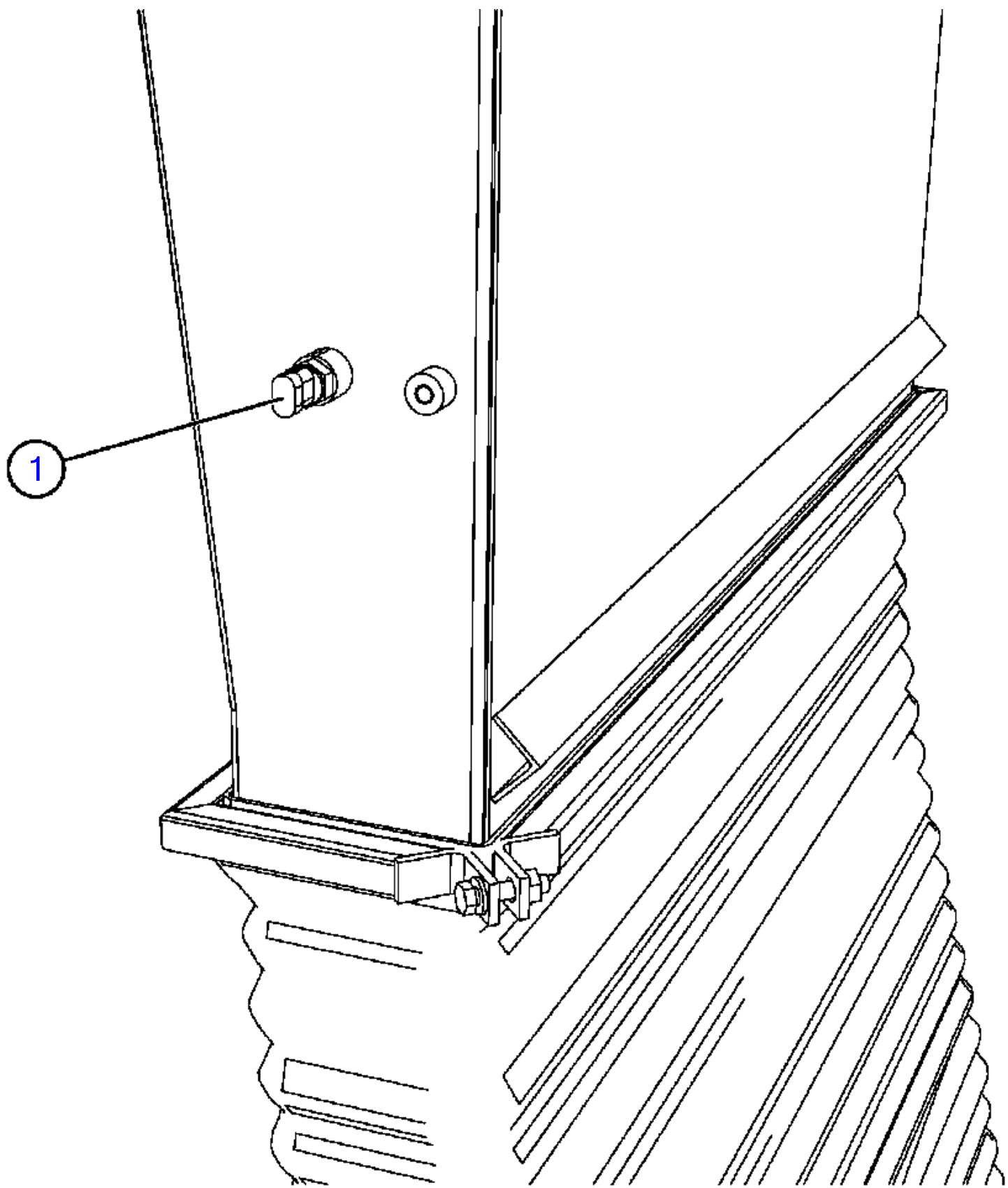
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### BLOWER INLET DUCT TRANSITION INSTALLATION

Item	Part No	Description	Qty
1	EM4634	FLEXIBLE TRANSITION, WHEEL MOTOR BLOWER	1
2	EM4635	FLEXIBLE TRANSITION, ALTERNATOR BLOWER	1
3	R6402	CAPSCREW, SOCKET HEAD - 3/8" - 16NC X 1 1/2"	34
4	TC1231	LOCKWASHER - 3/8"	38
5	TR4436	FLAT WASHER - 3/8"	34
6	EM6380	CLAMP	2
7	EM6381	CLAMP	2
8	MM0609	CAPSCREW - M10 X 1.50 X 45	4
9	MM0713	FLAT WASHER - M10 (HARDENED)	4

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



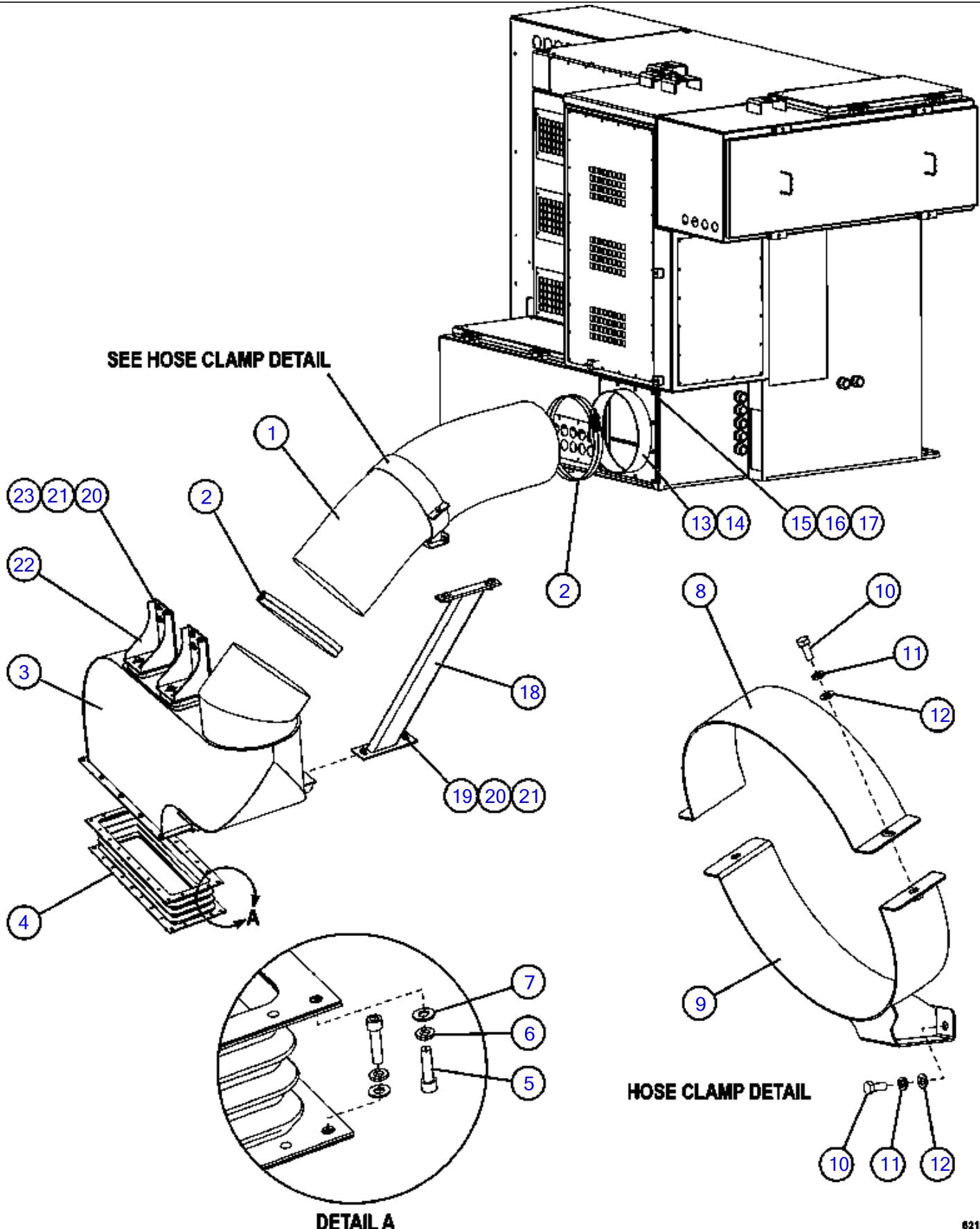
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A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA

**BLOWER INLET DUCT TEMPERATURE SENSOR**

Item	Part No	Description	Qty
1	AK7339	SENSOR, TEMPERATURE	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

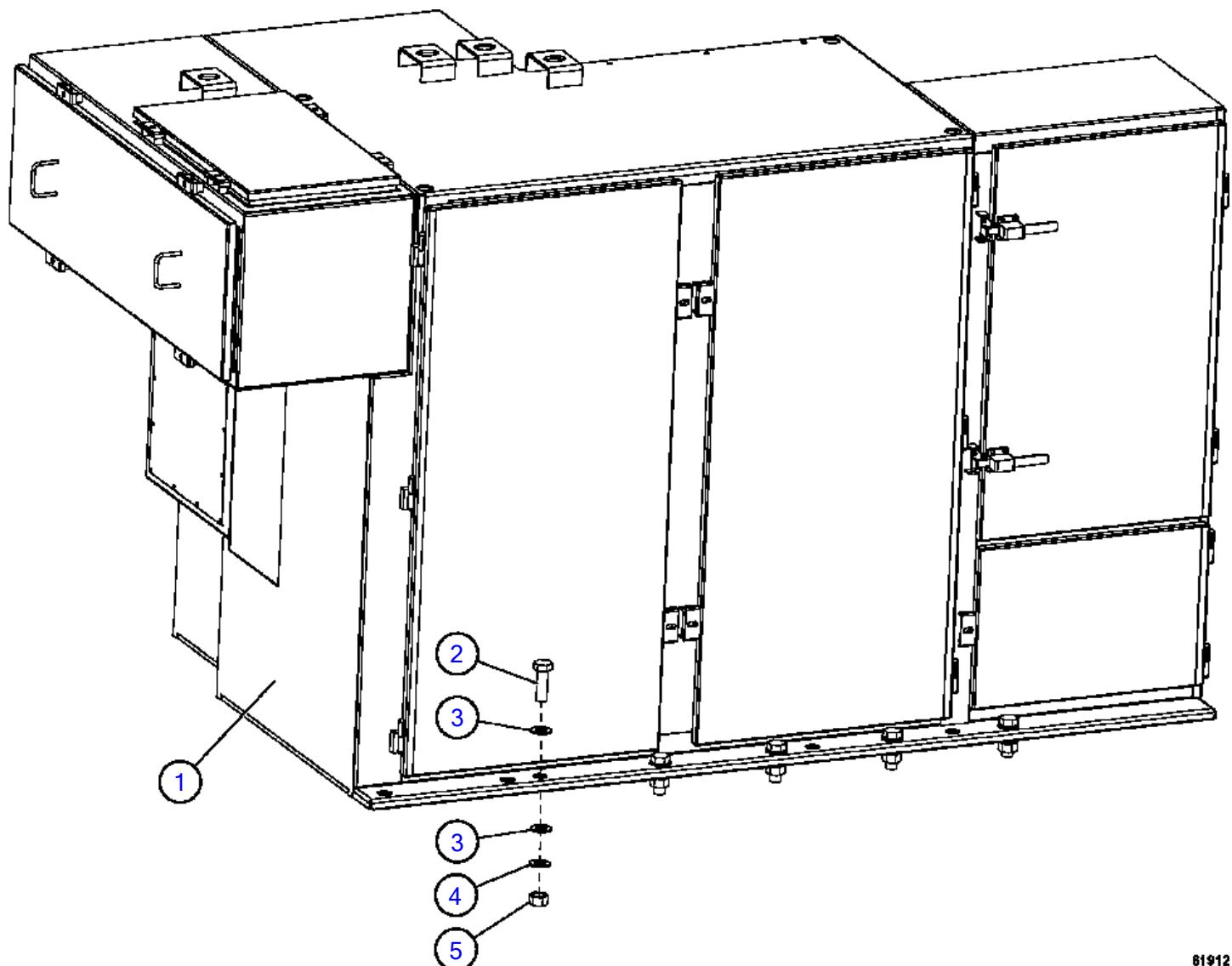


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## CONTROL CABINET BLOWER HOSE INSTALLATION

Item	Part No	Description	Qty
1	EM1822	HOSE, CONTROL CABINET BLOWER	1
2	WB1190	CLAMP, T-BOLT	4
3	58B-46-00130	TRANSITION, CONTROL CABINET BLOWER	1
4	XB9277	DUCT, FLEXIBLE	1
5	R6402	CAPSCREW, SOCKET HEAD - 3/8" - 16NC X 1 1/2"	20
6	TC1231	LOCKWASHER - 3/8"	20
7	TR4436	FLAT WASHER - 3/8"	20
8	EJ2279	STRAP	1
9	EL3796	BRACKET	1
10	MM0605	CAPSCREW - M10 X 1.50 X 25	4
11	MM0471	LOCKWASHER - M10	4
12	MM0461	FLAT WASHER - M10	4
13	EL9860	TRANSITION	1
14	EK7594	GASKET	1
15	H8620	CAPSCREW - 5/16" - 18NC X 1 1/4"	12
16	C1538	LOCKWASHER - 5/16"	12
17	E3735	FLAT WASHER - 5/16"	12
18	XC2661	TUBE	1
19	MM0619	CAPSCREW - M12 X 1.75 X 35	4
20	MM0472	LOCKWASHER - M12	20
21	MM0714	FLAT WASHER - M12	20
22	58B-46-00160	BRACKET, MOUNTING	2
23	MM0618	CAPSCREW - M12 X 1.75 X 30	16

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



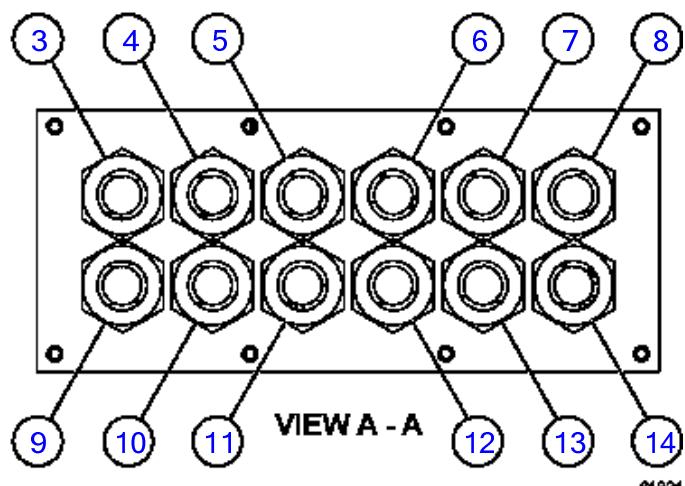
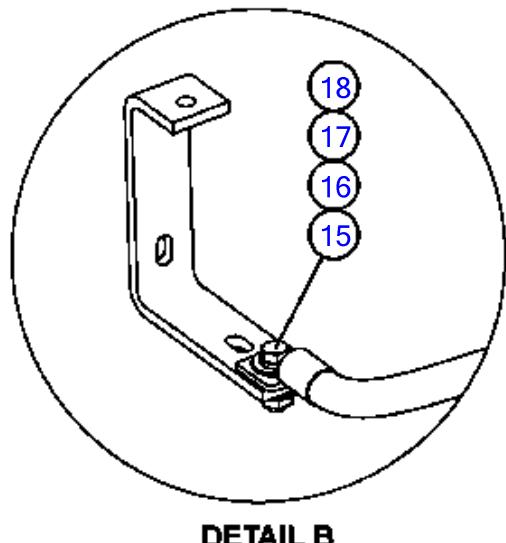
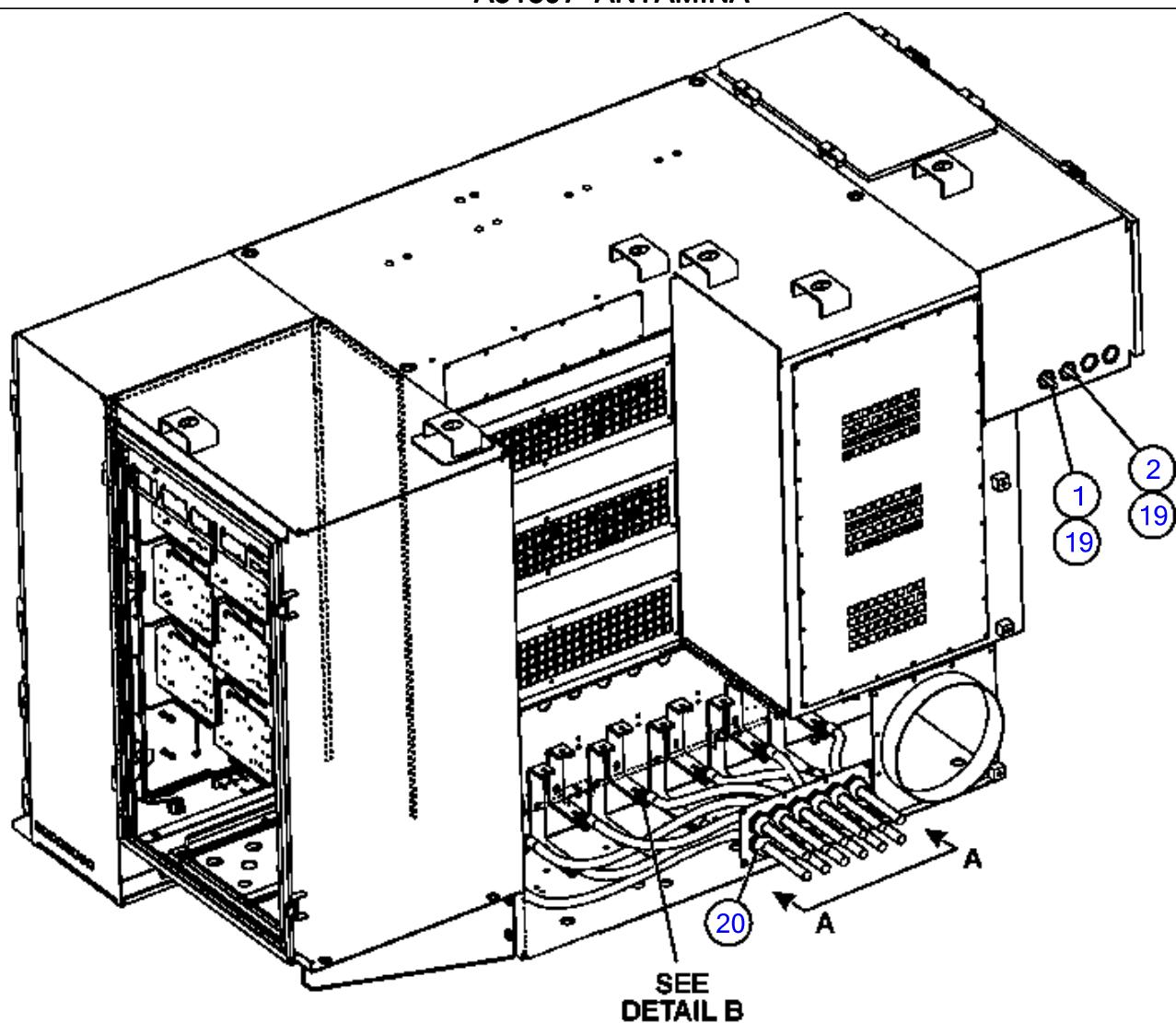
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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA

## CONTROL CABINET INSTALLATION

Item	Part No	Description	Qty	Page
1	58F-43-00031	CONTROL CABINET (SEE FIG 64393)	1	614
2	MM0124	CAPSCREW - M30 X 3.50 X 90	9	
3	MM0467	FLAT WASHER - M30	18	
4	MM0477	LOCKWASHER - M30	9	
5	MM0184	NUT - M30 X 3.50	9	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

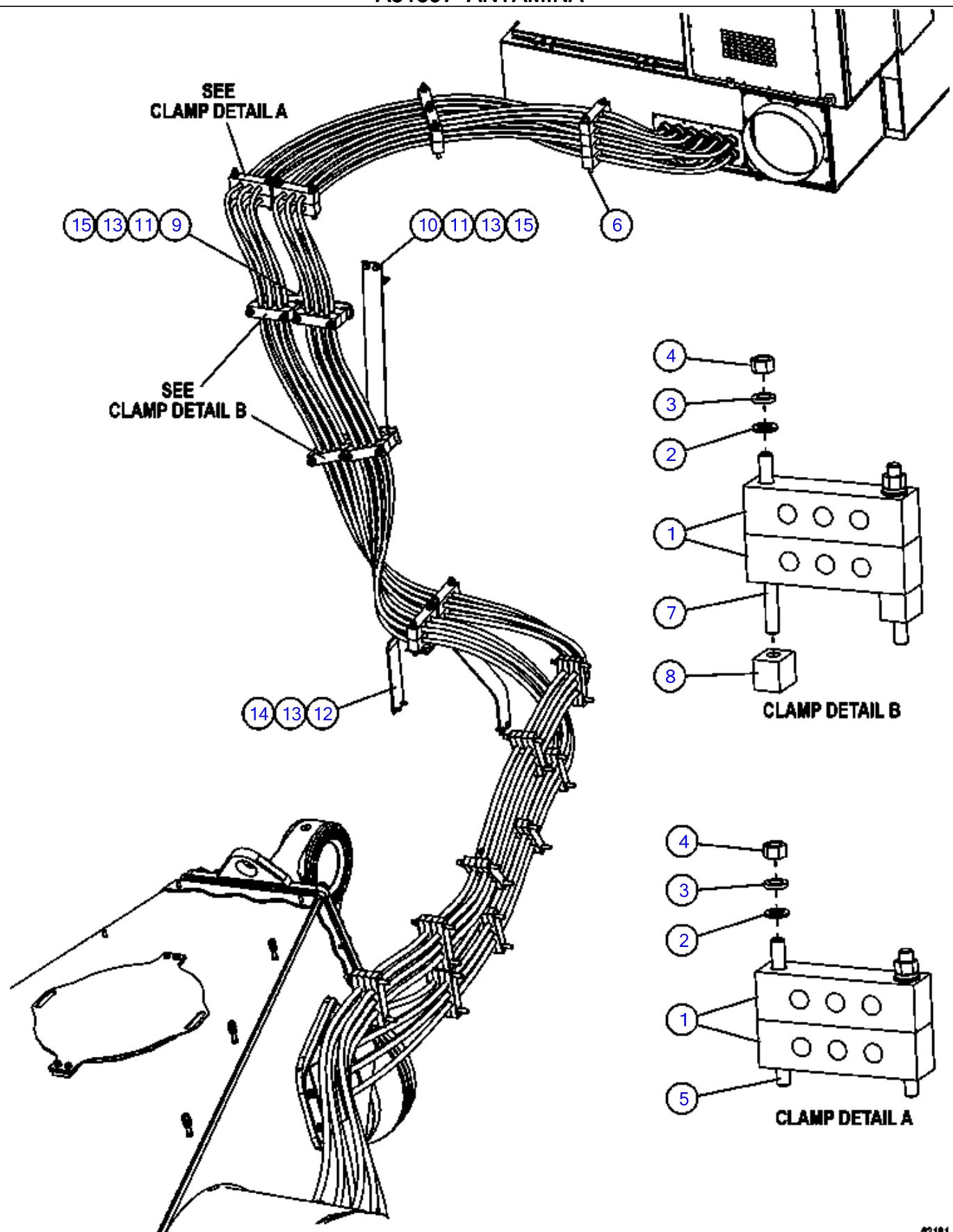


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### CONTROL CABINET EXTERNAL WIRING 1/3

Item	Part No	Description	Qty
1	CH3687	CABLE - 71J	1
2	CH3688	CABLE - 74D	1
3	CH2260	CABLE - 7M1A1	1
4	CH2263	CABLE - 7M1B2	1
5	CH2264	CABLE - 7M1C1	1
6	CH2266	CABLE - 7M2A1	1
7	CH2269	CABLE - 7M2B2	1
8	CH2270	CABLE - 7M2C1	1
9	CH2261	CABLE - 7M1A2	1
10	CH2262	CABLE - 7M1B1	1
11	CH2265	CABLE - 7M1C2	1
12	CH2267	CABLE - 7M2A2	1
13	CH2268	CABLE - 7M2B1	1
14	CH2271	CABLE - 7M2C2	1
15	TV1918	CAPSCREW - 1/2" - 13NC X 1 3/4"	12
16	TR5445	LOCKWASHER - 1/2"	20
17	VC7836	FLAT WASHER - 1/2"	30
18	TR6643	NUT - 1/2" - 13NC	12
19	EM6780	O-RING, METAL CLAD - 1 1/4" (1)	2
	EM6779	O-RING, METAL CLAD - 1" (2)	2
20	EM8107	O-RING, METAL CLAD - 1 1/2"	12
NS		NOTE: NS = NOT SHOWN	
NS	EL0364	SOFTWARE, AC DRIVE	1
NS		NOTE: (1) EFFECTIVE WITH A31432 & A31448.	
NS		(2) EFFECTIVE WITH A31452 & UP.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

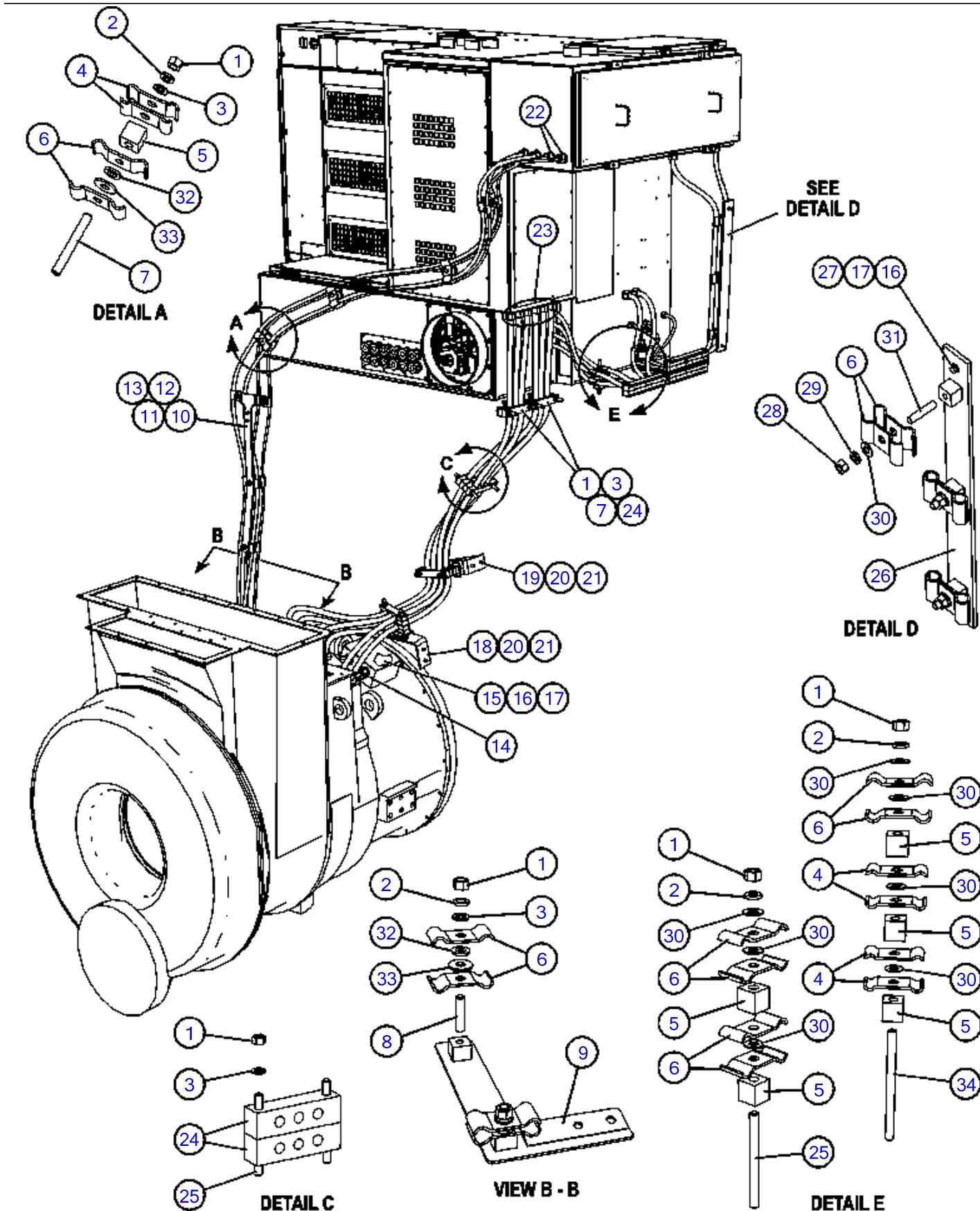


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## CONTROL CABINET EXTERNAL WIRING 2/3

Item	Part No	Description	Qty
1	XB1109	CLAMP, CABLE	42
2	MM0464	FLAT WASHER - M16	40
3	MM0474	LOCKWASHER - M16	40
4	MM0181	NUT - M16 X 2.00	40
5	EC1090	STUD, THREADED - M16 X 2.00	28
6	EK4014	STUD, THREADED	2
7	EC1091	STUD, THREADED	8
8	VA0609	SPACER	8
9	XB9318	HANGER	1
10	XB9511	BRACKET, MOUNTING	1
11	MM0714	FLAT WASHER - M12 (HARDENED)	6
12	EK9879	STRAP, MOUNTING	1
13	MM0618	CAPSCREW - M12 X 1.75 X 30	10
14	WA4729	FLAT WASHER - 5/8" (HARDENED)	4
15	MM0472	LOCKWASHER - M12	6

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
 A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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 A31597 ANTAMINA

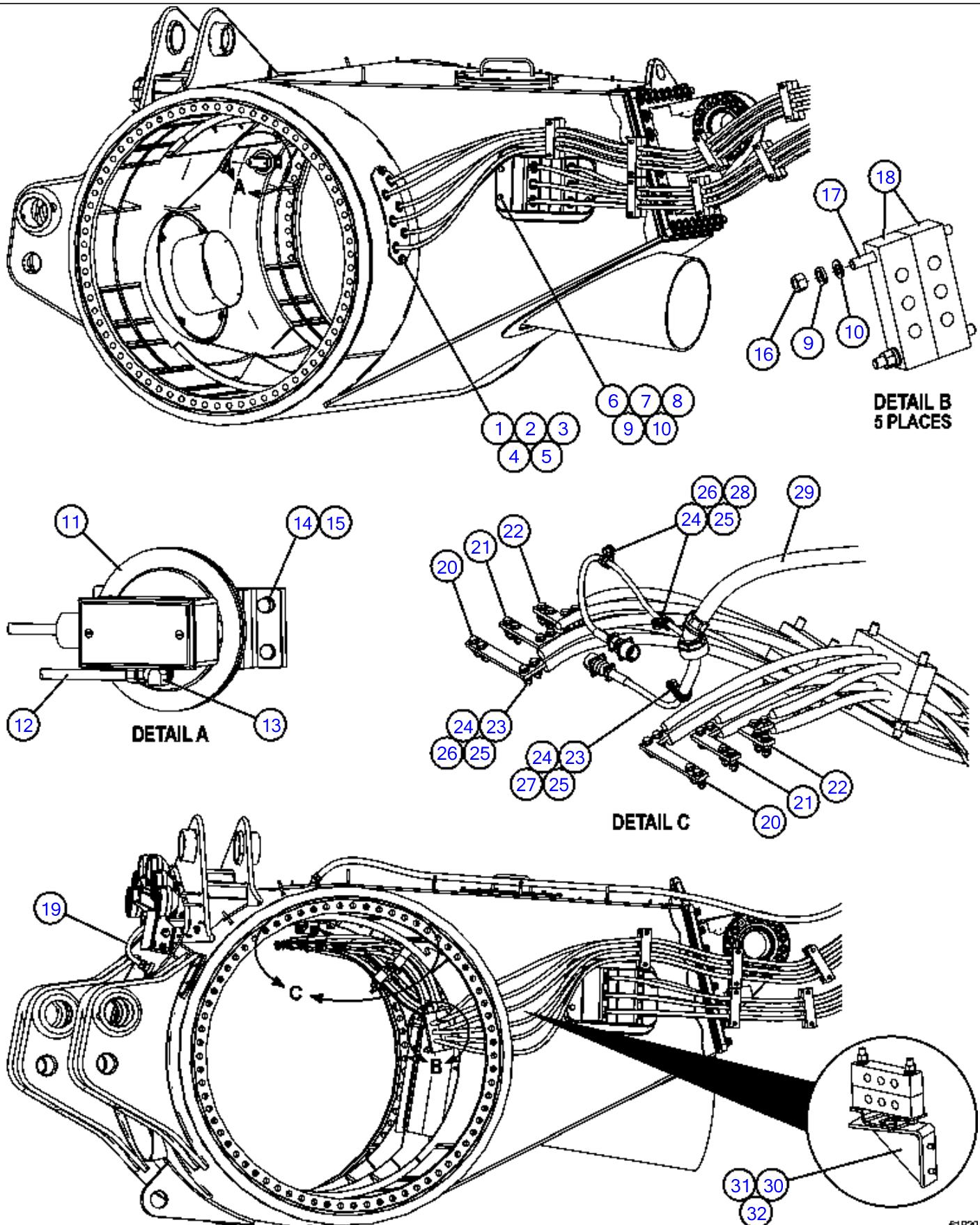


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
 A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### CONTROL CABINET EXTERNAL WIRING 3/3

Item	Part No	Description	Qty
1	MM0181	NUT - M16 X 2.00	22
2	MM0474	LOCKWASHER - M16	12
3	MM0464	FLAT WASHER - M16	20
4	ED8936	CLEAT, CABLE	18
5	VA0609	SPACER	11
6	EH1785	CLEAT, CABLE	28
7	EB9886	STUD, THREADED	12
8	EB9885	STUD, THREADED	2
9	EK6397	BRACKET	1
10	MM0618	CAPSCREW - M12 X 1.75 X 30	2
11	MM0472	LOCKWASHER - M12	2
12	MM0714	FLAT WASHER - M12 (HARDENED)	2
13	XB5529	HANGER	1
14	VZ2691	CONDULET, LOCKNUT - 1 1/4"	2
15	TC1233	NUT - 3/8" - 16NC	2
16	TC1231	LOCKWASHER - 3/8"	4
17	TR4436	FLAT WASHER - 3/8"	4
18	EM4597	BRACKET	1
19	EL3705	BRACKET, MOUNTING	1
20	VC1387	CAPSCREW - 1/2" - 13NC X 1"	4
21	TR6008	FLAT WASHER - 1/2"	4
22	EM6780	O-RING, METAL CLAD - 1 1/4" (1)	2
	EM6779	O-RING, METAL CLAD - 1" (2)	2
23	EM8107	O-RING, METAL CLAD - 1 1/2"	6
24	XB0736	CLAMP, CABLE	8
25	EC1090	STUD, THREADED - M16 X 2.00	7
26	EL3714	BRACKET, MOUNTING	1
27	VC8762	CAPSCREW - 3/8" - 16NC X 1 1/2"	2
28	TV1749	NUT - 5/8" - 11NC	3
29	VC1390	LOCKWASHER - 5/8"	3
30	TR9082	FLAT WASHER - 5/8"	10
31	TG5845	STUD, THREADED	3
32	MM0706	FLAT WASHER - M16 (HARDENED)	9
33	WA4863	FLAT WASHER - 5/8"	9
34	EC1091	STUD, THREADED	1
NS		NOTE: (1) EFFECTIVE WITH A31432 & A31448.	
NS		(2) EFFECTIVE WITH A31452 & UP.	

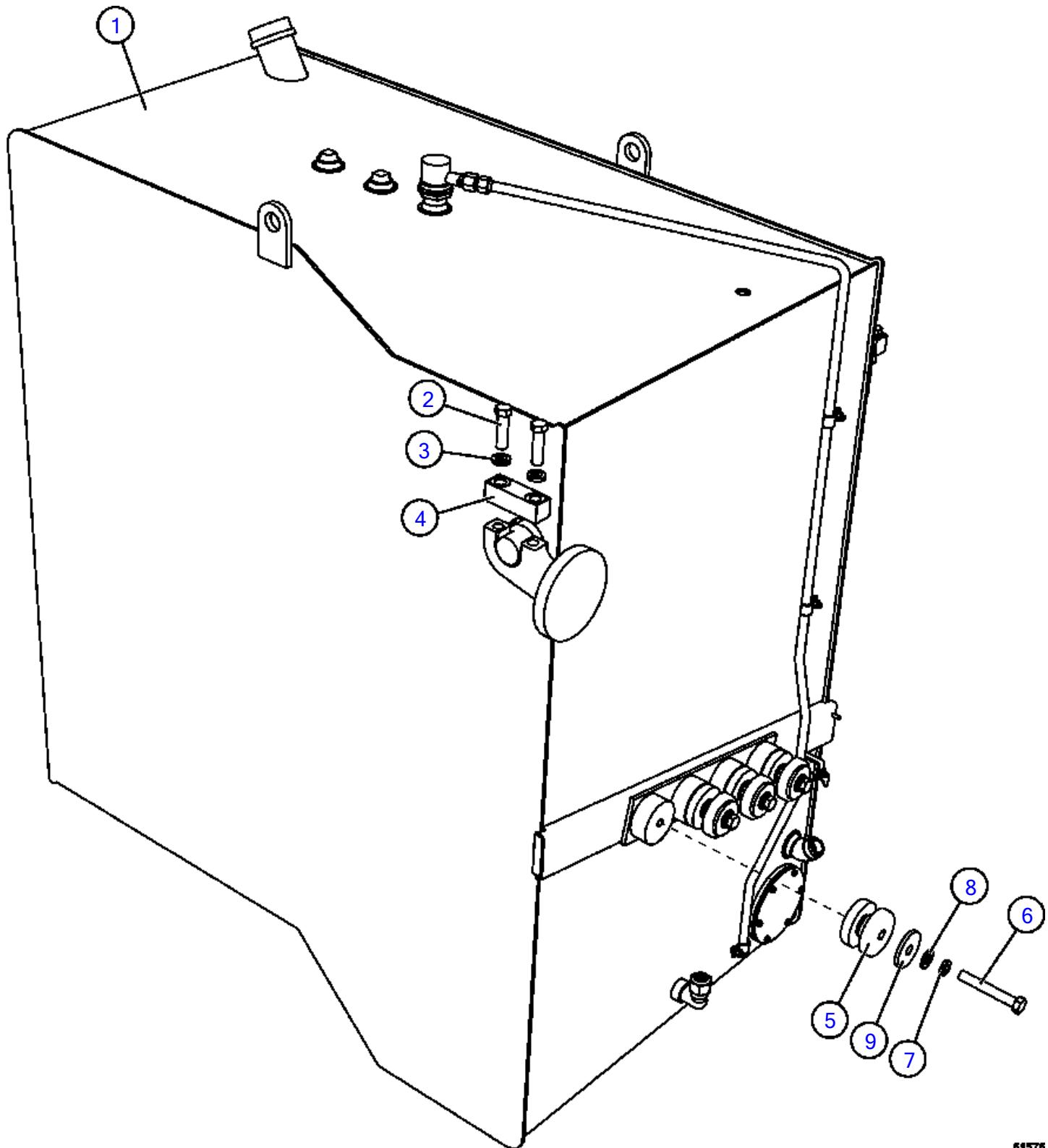
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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA



**AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA  
REAR AXLE WIRING**

Item	Part No	Description	Qty
1	EJ0608	PLATE	1
2	EF6610	GASKET	1
3	C1648	CAPSCREW - 3/4" - 10NC X 3"	2
4	C1542	LOCKWASHER - 3/4"	2
5	C1551	FLAT WASHER - 3/4"	2
6	EL7410	MOUNT, POWER CABLES	1
7	EL7409	GASKET	1
8	MM0086	CAPSCREW - M16 X 2.00 X 60	4
9	MM0474	LOCKWASHER - M16	14
10	MM0464	FLAT WASHER - M16	14
11	EK0748	SWITCH, BLOWER PRESSURE	1
	EL1727	· HARNESS	1
	PB4673	· SWITCH, BLOWER PRESSURE	1
12	VA7927	TUBE, NYLON	1
13	TA0603	FITTING, NYLON	1
14	H8136	CAPSCREW - 1/4" - 20NC X 1/2"	4
15	C5774	LOCKWASHER - 1/4"	4
16	MM0181	NUT - M16 X 2.00	10
17	EC1090	STUD, THREADED - M16 X 2.00	10
18	XB1109	CLAMP, CABLE	10
19	EK5647	HARNESS, BLOWER PRESSURE SWITCH	1
20	EK6383	BUS BAR	2
21	EK6384	BUS BAR	2
22	EK6385	BUS BAR	2
23	VC8762	CAPSCREW - 3/8" - 16NC X 1 1/2"	24
24	TC1231	LOCKWASHER - 3/8"	27
25	TR4436	FLAT WASHER - 3/8"	54
26	TC1233	NUT - 3/8" - 16NC	27
27	WB3092	CLAMP, CUSHIONED - 7/8"	1
28	WB1304	CLAMP, CUSHIONED - 9/16"	2
29	EM8292	HARNESS, WHEEL SPEED	1
30	EL7726	BRACKET	1
31	VC1387	CAPSCREW - 1/2" - 13NC X 1"	2
32	TR6008	FLAT WASHER - 1/2"	2

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



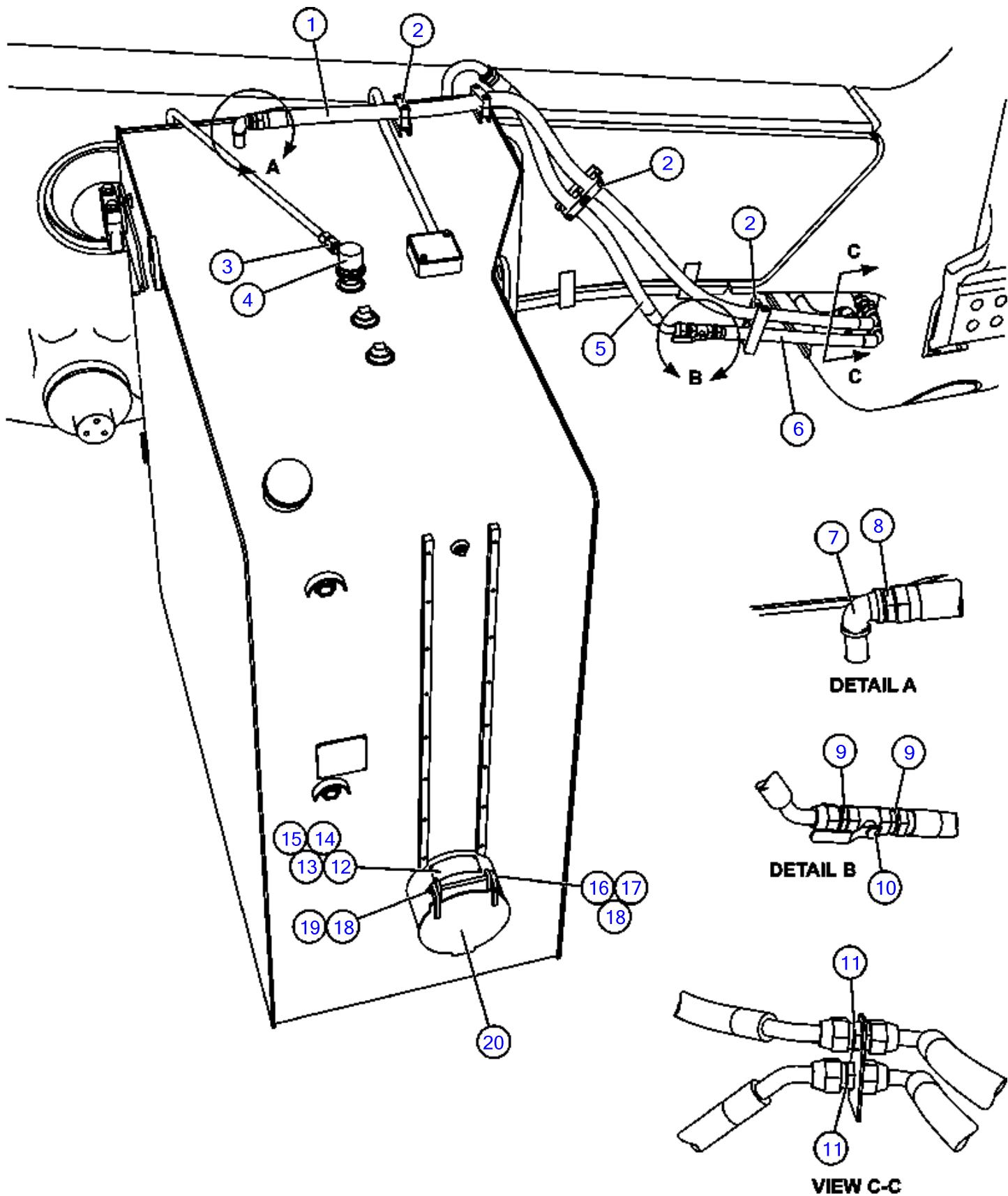
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## FUEL TANK INSTALLATION

Item	Part No	Description	Qty	Page
1	58B-04-00180	FUEL TANK ASSEMBLY (SEE FIG 62217)	1	296
2	C1669	CAPSCREW - 1" - 8NC X 3 1/2"	4	
3	WA4733	FLAT WASHER - 1" (HARDENED)	4	
4	TY4907	CAP	2	
5	PC0780	MOUNT, RUBBER - TWO PIECE (TWO-PIECE)	4	
6	MM0163	CAPSCREW - M24 X 3.00 X 160	4	
7	MM0476	LOCKWASHER - M24	4	
8	MM0708	FLAT WASHER - M24 (HARDENED)	4	
9	ED9895	WASHER	4	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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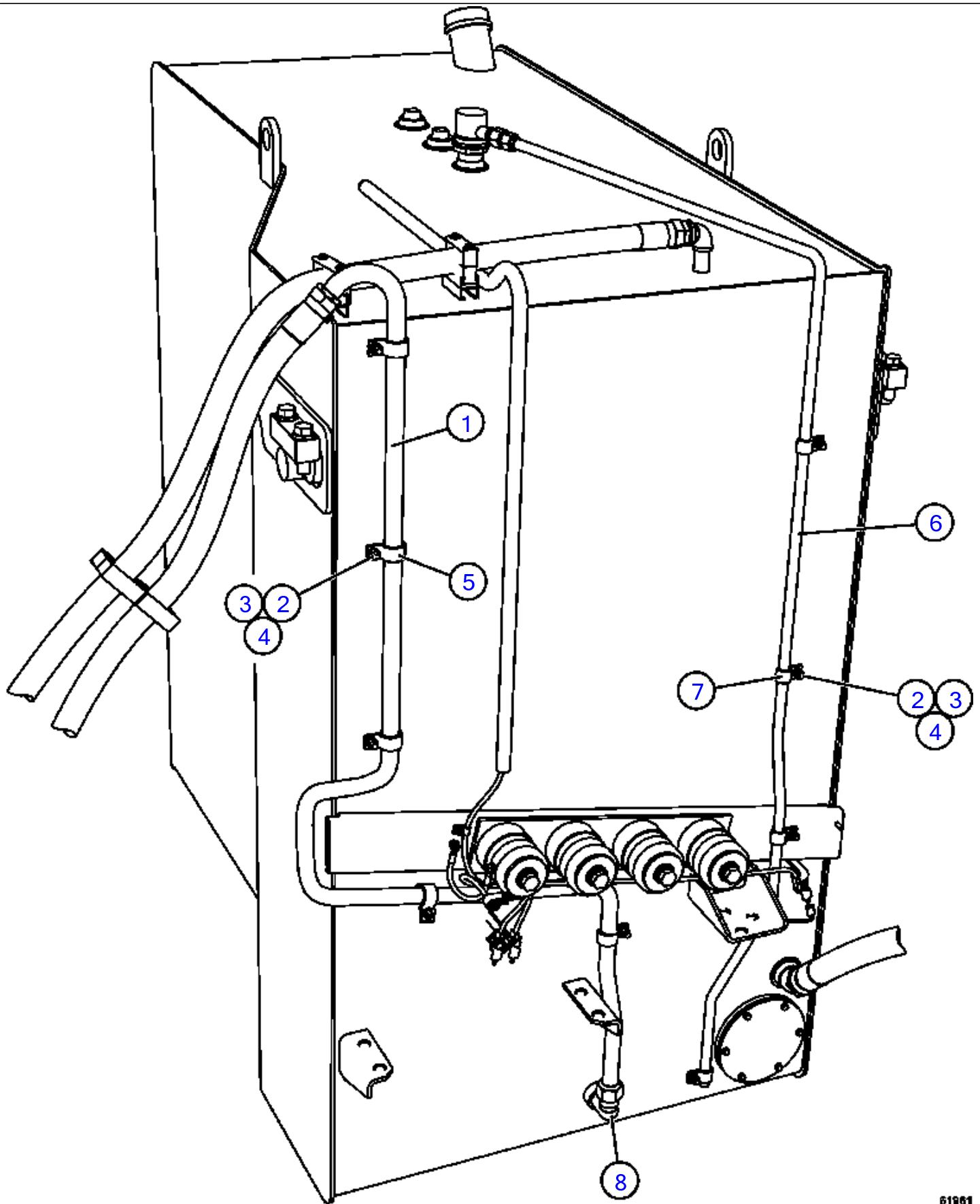


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

FUEL SYSTEM PIPING 1/3

Item	Part No	Description	Qty
1	HA7925	HOSE	1
2	WA4712	CLAMP, HYDRA ZORB - 2"	5
3	WB0493	FITTING, STRAIGHT	1
4	PB9887	VENT	1
5	HA8207	HOSE	1
6	HA8208	HOSE	1
7	TC2410	FITTING, PIPE	1
8	KC6842	FITTING, ADAPTER	1
9	TD7426	FITTING, ADAPTER	2
10	PC0799	VALVE, BALL	1
11	WB1186	FITTING, BULKHEAD	2
12	EM8894	COVER	1
13	TG1929	MACHINE SCREW - #10 - 24NC X 1/2"	4
14	DC3101	LOCKWASHER - #10	4
15	DF0017	NUT - #10 - 24NC	4
16	WB3607	CAPSCREW - 3/8" - 16NC X 9"	1
17	XB2331	SPACER, TUBE	1
18	TR4436	FLAT WASHER - 3/8"	2
19	HE5611	LOCKNUT - 3/8" - 16NC	1
20	XB6893	DOOR, FUEL	1

**AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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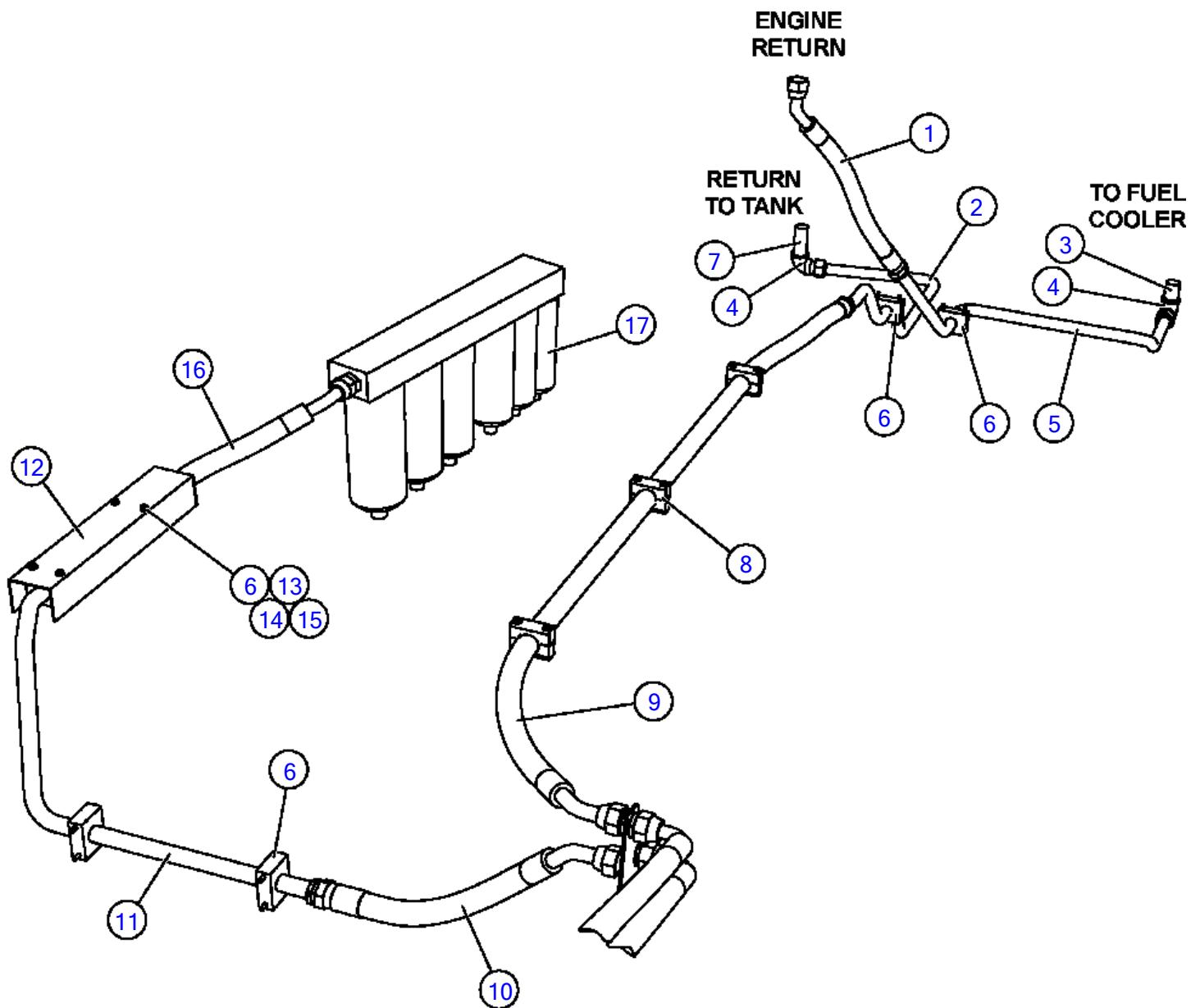


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

FUEL SYSTEM PIPING 2/3

Item	Part No	Description	Qty
1	XB6932	TUBE	1
2	MM0178	NUT - M10 X 1.50	9
3	MM0471	LOCKWASHER - M10	9
4	MM0461	FLAT WASHER - M10	9
5	VN9994	CLAMP, TUBE - 1 1/2"	5
6	XB6941	TUBE	1
7	VN9993	CLAMP, TUBE - 1"	4
8	VG6711	FITTING, TUBE	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



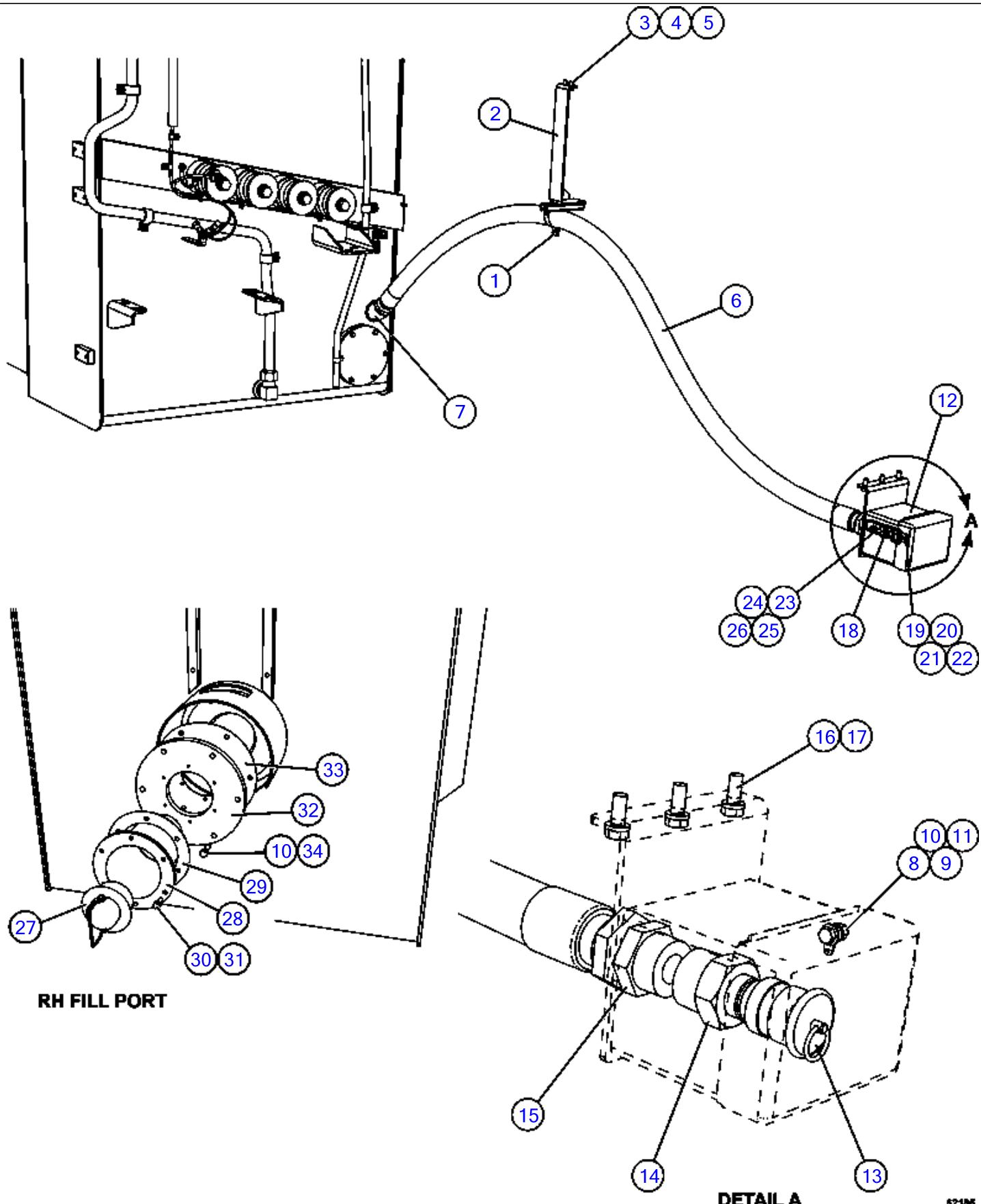
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

FUEL SYSTEM PIPING 3/3

Item	Part No	Description	Qty
1	HA7978	HOSE	1
2	EM6435	TUBE	1
3	TD1649	NIPPLE, LONG - 1 1/2 NPT X 3"	1
4	VM3917	FITTING, TUBE	2
5	EM6442	TUBE	1
6	WA4710	CLAMP, HYDRA ZORB - 1 1/2"	6
7	TC6967	NIPPLE, LONG - 1 1/2 NPT X 4 1/2"	1
8	WA4712	CLAMP, HYDRA ZORB - 2"	3
9	HA7868	HOSE	1
10	HA8126	HOSE	1
11	EK6302	TUBE	1
12	EJ5615	SHIELD	1
13	TD1684	NUT - 5/16" - 18NC	4
14	TV0177	FLAT WASHER - 5/16"	4
15	EK9907	ROD, THREADED	4
16	HA7824	HOSE	1
17	XA4881	ELEMENT, FUEL FILTER	6

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

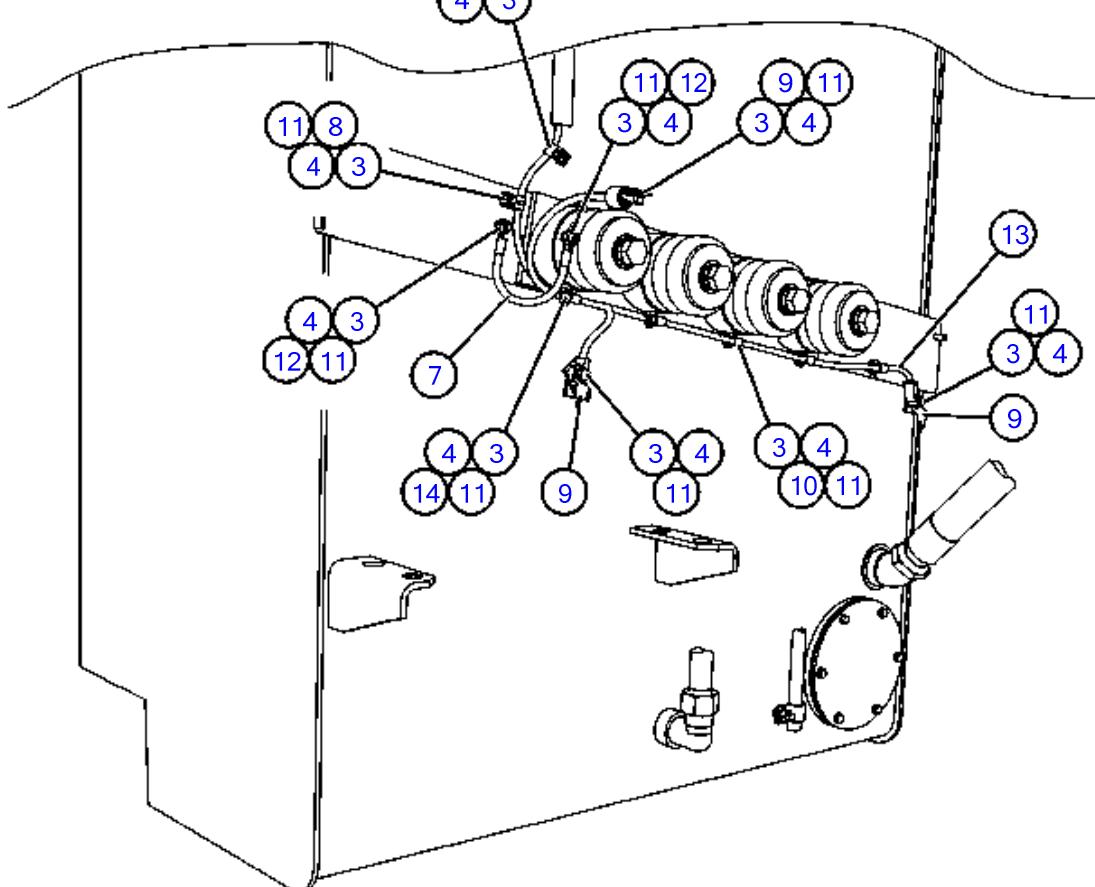
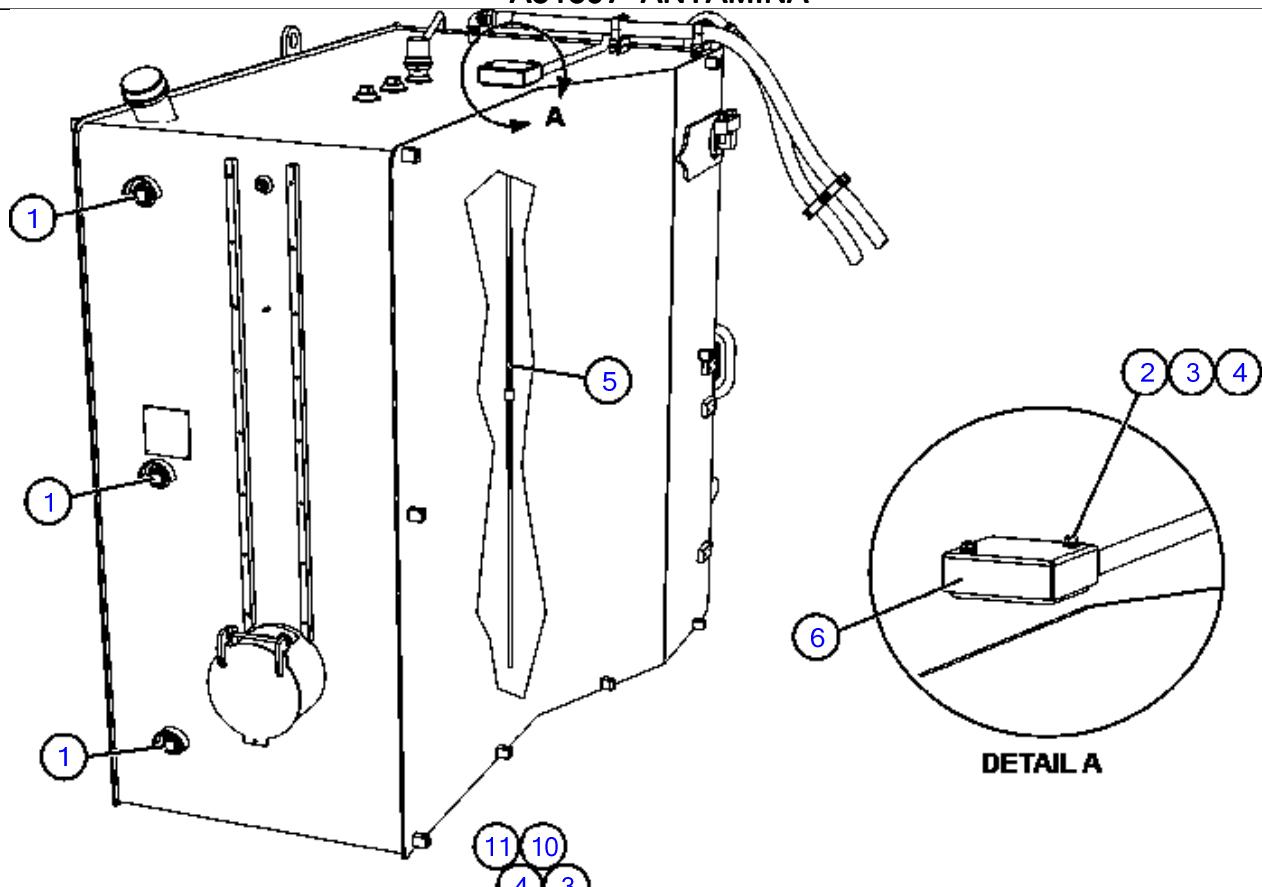


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 A31597 ANTAMINA

### FUEL SYSTEM - QUICK FILL

Item	Part No	Description	Qty
1	WA3484	CLAMP, HYDRA ZORB	1
2	XB5537	BRACKET	1
3	MM0605	CAPSCREW - M10 X 1.50 X 25	2
4	MM0471	LOCKWASHER - M10	2
5	MM0461	FLAT WASHER - M10	2
6	HA8269	HOSE	1
7	WB0303	ELBOW, FITTING - 45 DEG	1
8	TG5720	CAPSCREW - 3/8" - 16NC X 1"	1
9	TR4436	FLAT WASHER - 3/8"	1
10	TC1231	LOCKWASHER - 3/8"	7
11	TC1233	NUT - 3/8" - 16NC	1
12	XB8518	BOX, FUELING	1
13	PB2020	CAP	1
14	PB2154	RECEIVER	1
15	WB0479	FITTING, STRAIGHT	1
16	TR1376	CAPSCREW - 1/2" - 13NC X 1 1/4"	4
17	C1540	LOCKWASHER - 1/2"	4
18	PC3115	DRAW LATCH, ADJUSTABLE	1
19	TF6246	MACHINE SCREW - #8 - 32NC X 5/8"	3
20	TF6248	FLAT WASHER - #8	3
21	VM9910	LOCKWASHER - #8	3
22	TV2179	NUT - #8 - 32NC	3
23	SR6528	MACHINE SCREW - #12 - 24NC X 3/4"	2
24	DF3445	FLAT WASHER - #12	2
25	VD2047	LOCKWASHER - #12	2
26	TR8580	NUT - #12 - 24NC	2
27	VW6420	CAP	1
28	TA9974	FLANGE (W/ RECEIVER)	1
29	VW4748	GASKET	1
30	VH6864	CAPSCREW - 1/4" - 20NC X 1/2"	6
31	DC3584	LOCKWASHER - 1/4"	6
32	EK7337	PLATE, ADAPTER	1
33	TA1691	GASKET	1
34	TC8793	CAPSCREW - 3/8" - 16NC X 1"	6

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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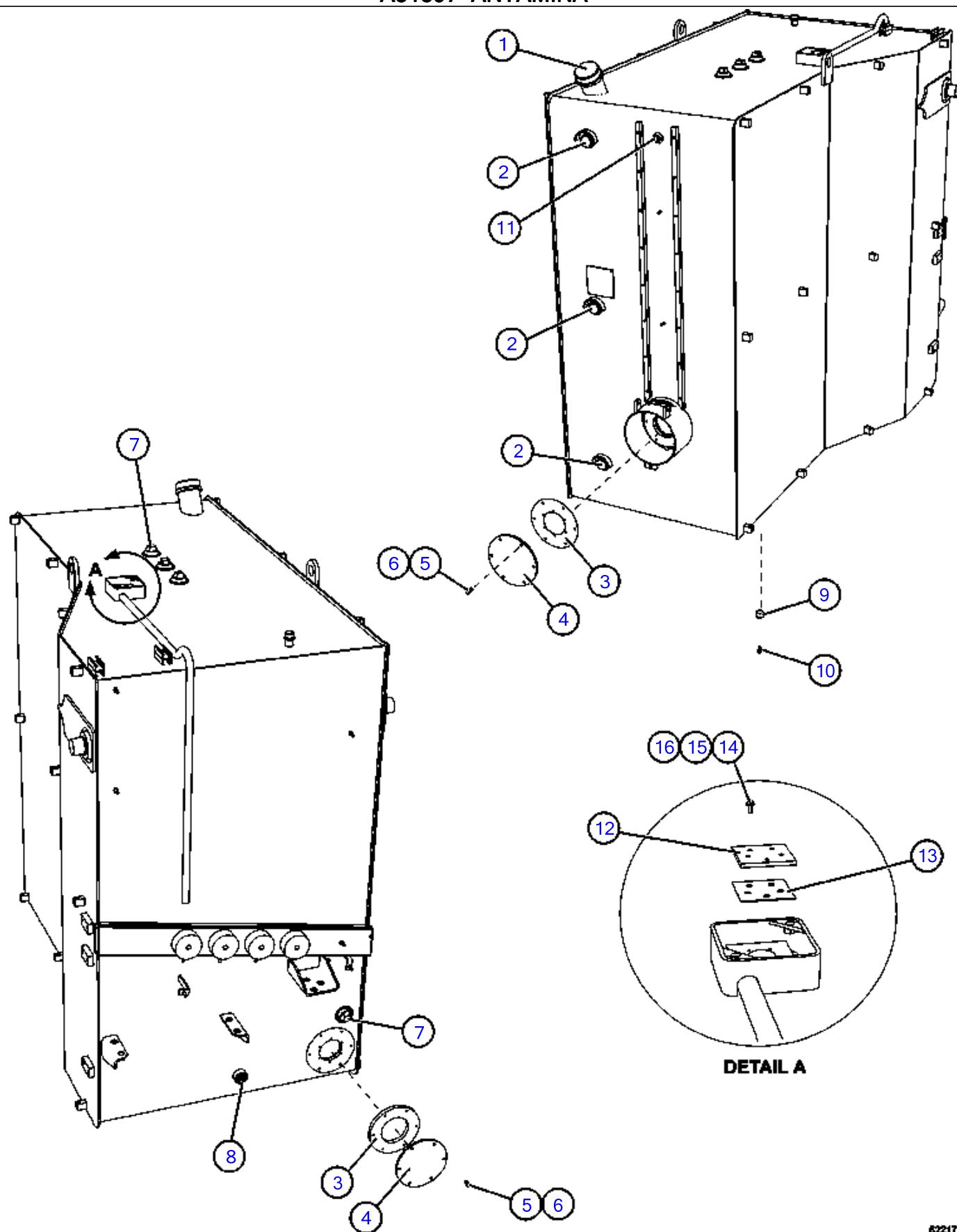


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 A31597 ANTAMINA

### FUEL TANK GAUGES & WIRING

Item	Part No	Description	Qty
1	PC3491	GLASS, SIGHT	3
2	MM0606	CAPSCREW - M10 X 1.50 X 30	4
3	MM0471	LOCKWASHER - M10	16
4	MM0461	FLAT WASHER - M10	16
5	PC2810	GAUGE, FUEL	1
6	XB5461	COVER	1
7	VL4462	WIRE, GROUND	1
8	WB3097	CLAMP, CUSHIONED - 1/2"	1
9	08193-21012	CLIP	4
10	WB3098	CLAMP, CUSHIONED - 3/8"	5
11	MM0178	NUT - M10 X 1.50	12
12	TG0545	FLAT WASHER - 3/8"	2
13	58F-06-01020	HARNESS, FUEL TANK	1
14	WB1303	CLAMP, CUSHIONED - 3/4"	1

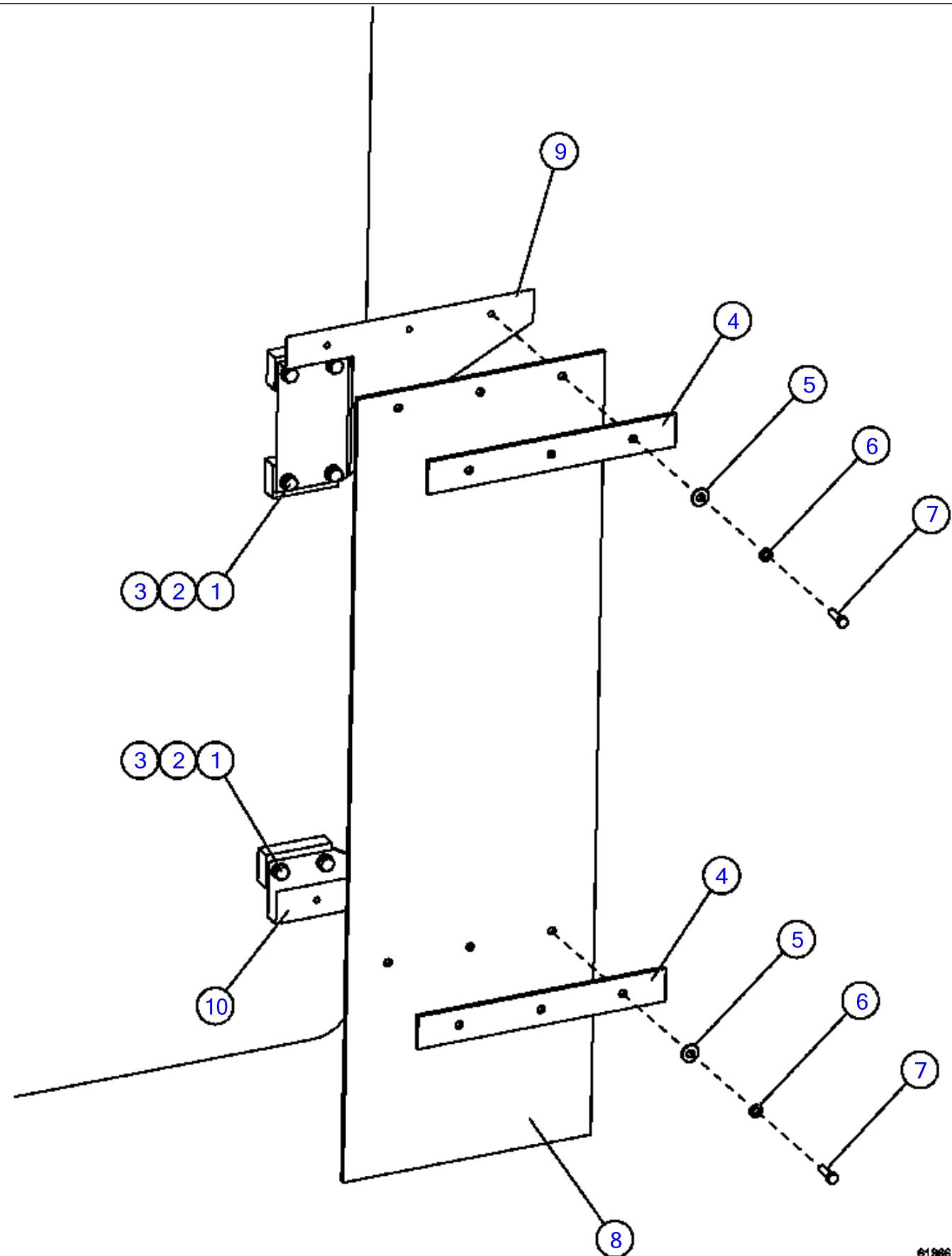
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA**  
**FUEL TANK**

Item	Part No	Description	Qty
0	58B-04-00180	FUEL TANK ASSEMBLY	1
1	D5576	• CAP, PIPE	1
2	VM0321	• PLUG, O-RING	3
3	TA1691	• GASKET	2
4	TA1683	• COVER	2
5	TC8793	• CAPSCREW - 3/8" - 16NC X 1"	12
6	TC1231	• LOCKWASHER - 3/8"	12
7	HC4691	• PLUG, PIPE	4
8	SD5197	• PLUG, PIPE	1
9	WA3688	• BUSHING, PIPE - 1 1/4" X 1/4"	1
10	HC1851	• DRAIN COCK	1
11	R2028	• PLUG, PIPE - 3/4"	2
12	XB6553	• PLATE, COVER	1
13	XB6552	• GASKET	1
14	VM1464	• MACHINE SCREW - #10 - 24NC X 5/8"	5
15	DC3101	• LOCKWASHER - #10	5
16	VC5344	• FLAT WASHER - #10	5

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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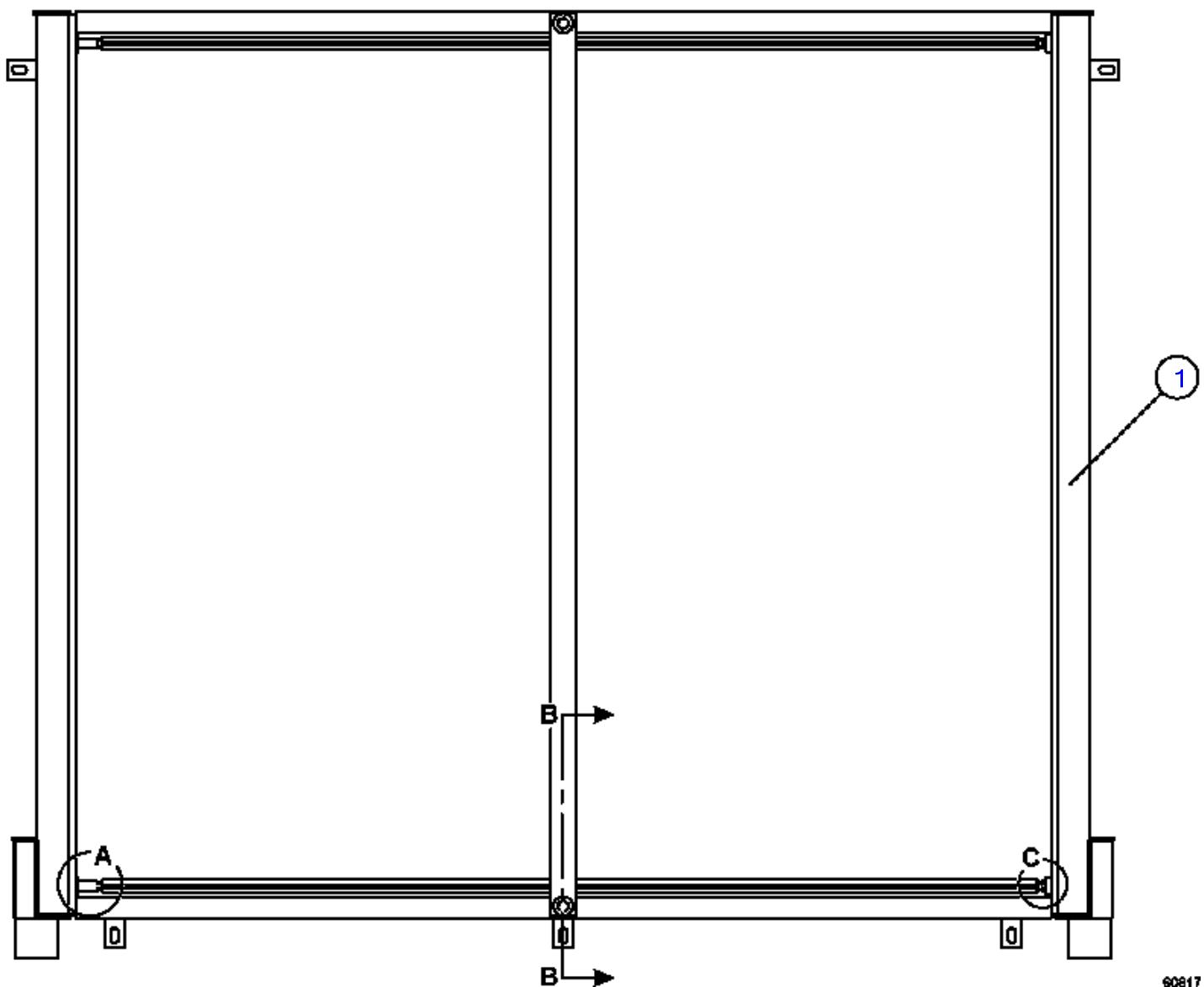
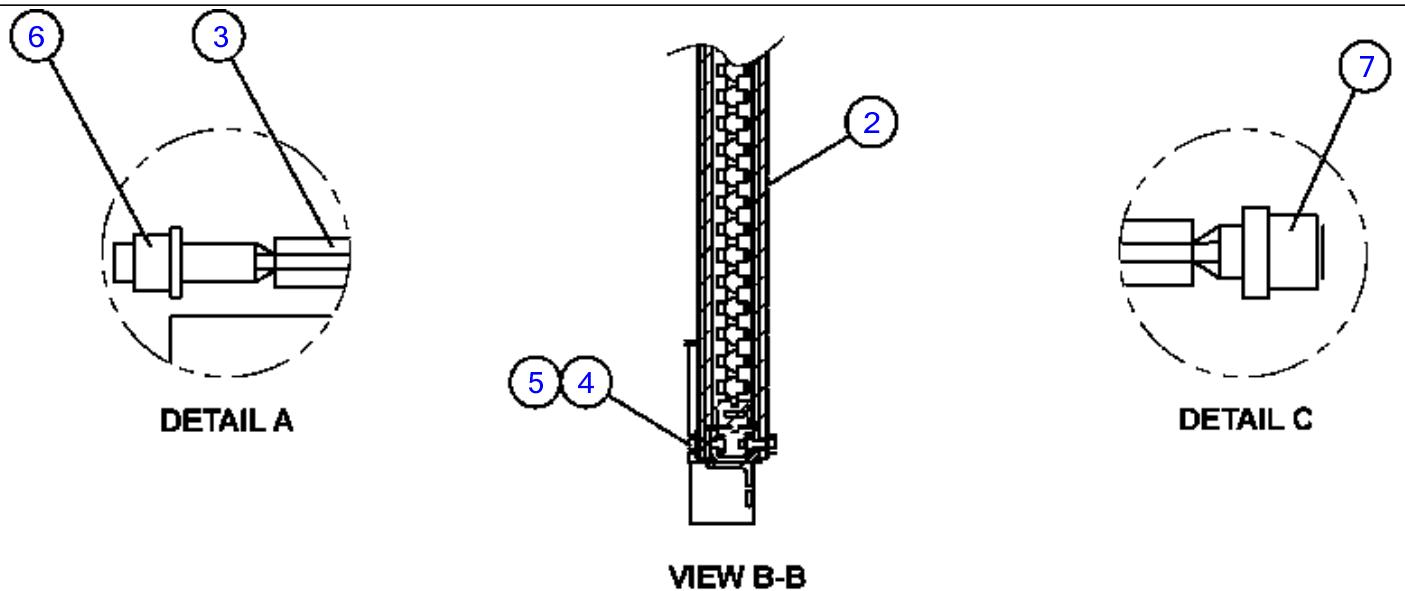


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 A31597 ANTAMINA

FUEL TANK MUD FLAP

Item	Part No	Description	Qty
1	MM0618	CAPSCREW - M12 X 1.75 X 30	6
2	MM0472	LOCKWASHER - M12	6
3	MM0462	FLAT WASHER - M12	6
4	XB6968	RETAINER	2
5	MM0607	CAPSCREW - M10 X 1.50 X 35	8
6	MM0471	LOCKWASHER - M10	8
7	MM0461	FLAT WASHER - M10	8
8	XB6969	MUD FLAP	1
9	XB6904	BRACKET	1
10	XB6907	BRACKET	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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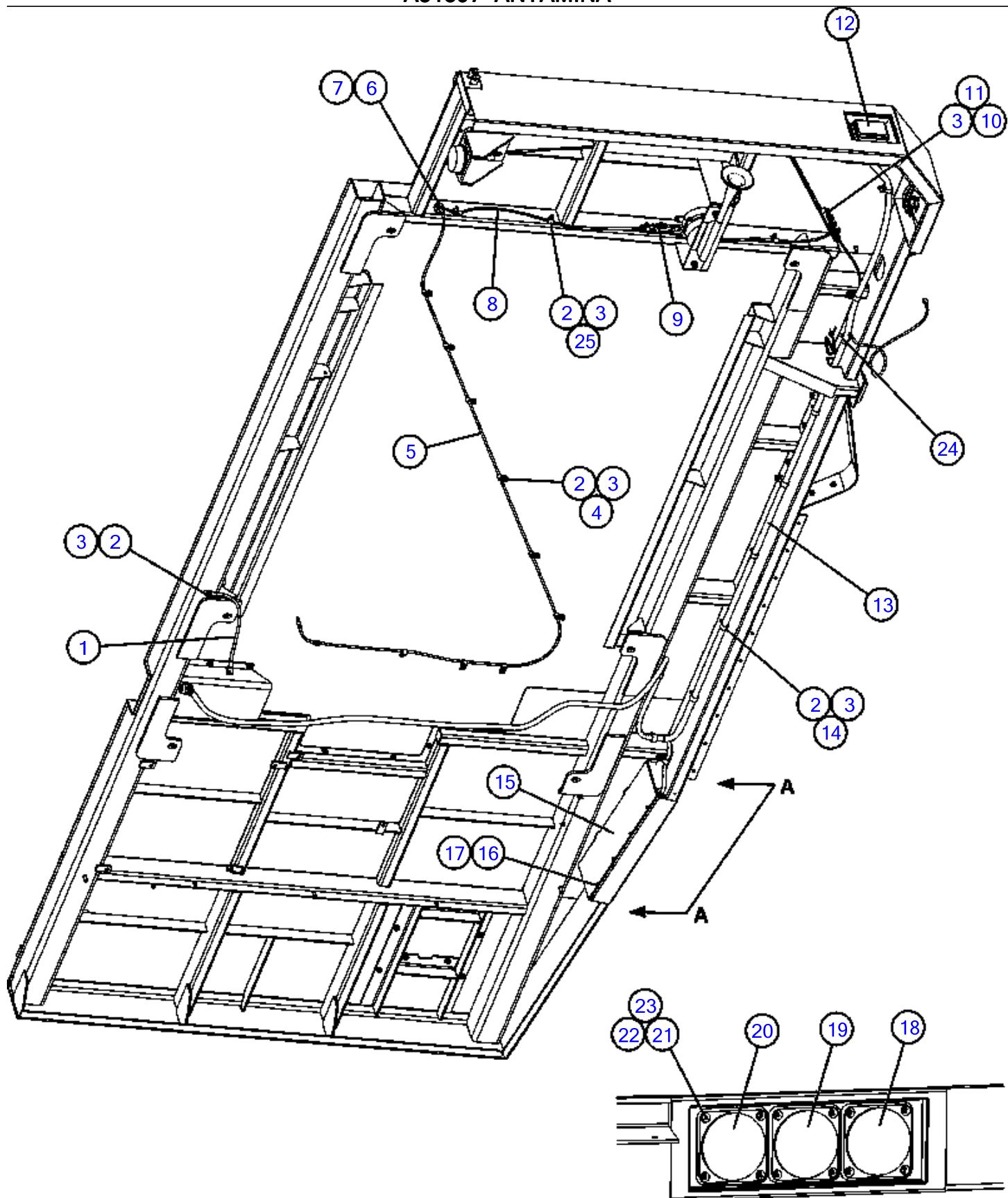


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 A31597 ANTAMINA

FUEL COOLER ASSEMBLY 58B-03-00120

Item	Part No	Description	Qty
1	58B-03-00490	FRAME, FUEL COOLER	1
2	XA4182	BAR, SUPPORT	2
3	58B-03-00500	TUBES	49
4	VE5442	FLAT WASHER	4
5	58B-03-00510	CAPSCREW - 5/16" - 18NC X 1"	4
6	VE3999	GROMMET, RUBBER	49
7	VE4000	GROMMET, RUBBER	49

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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VIEW A-A

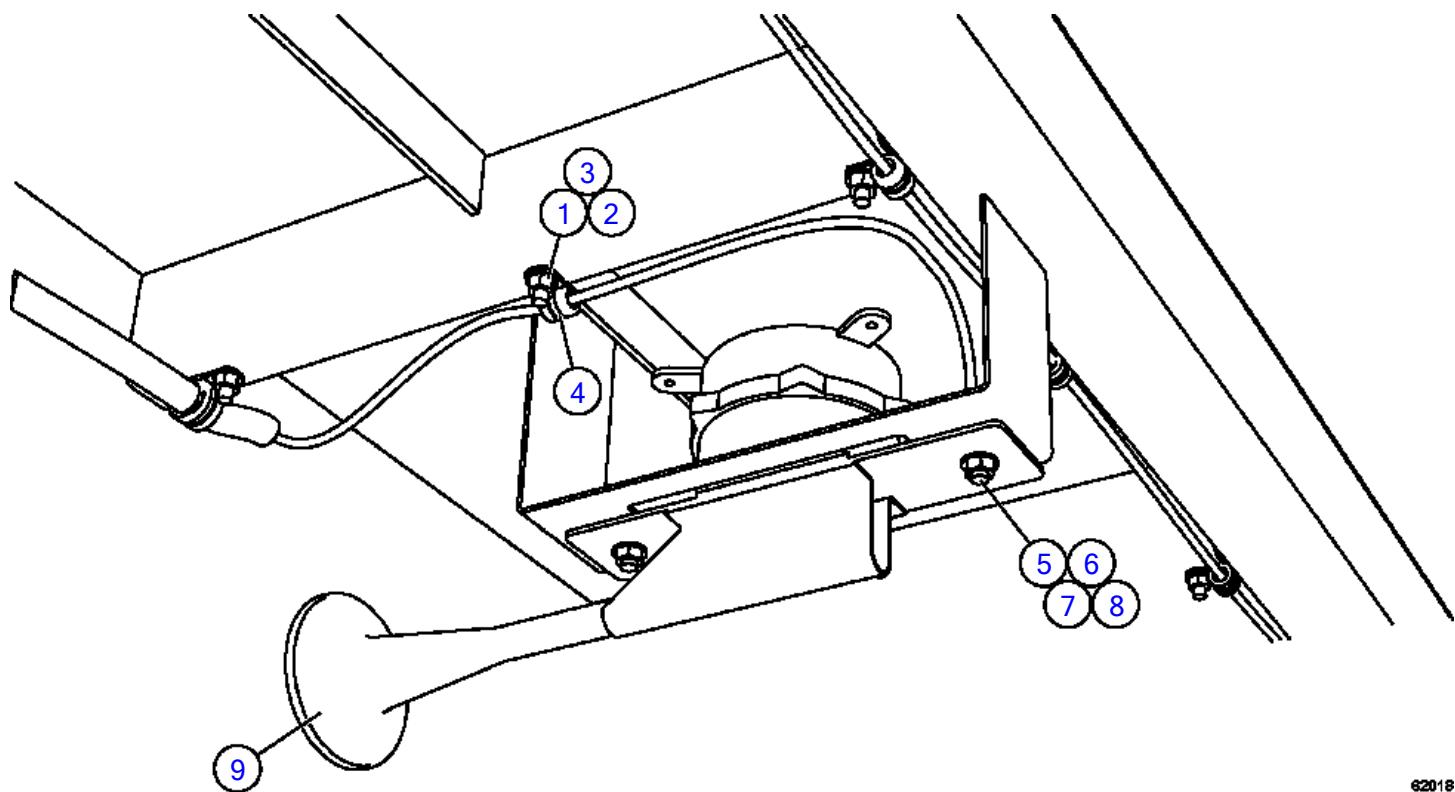
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 A31597 ANTAMINA

### L.H. DECK WIRING & LIGHTS

Item	Part No	Description	Qty
1	VN5153	WIRE, GROUND	1
2	MM0178	NUT - M10 X 1.50	27
3	MM0461	FLAT WASHER - M10	31
4	WB3097	CLAMP, CUSHIONED - 1/2"	10
5	EK7522	WIRE, GROUND	1
6	TV3461	CAPSCREW - 3/8" - 16NC X 5/8"	1
7	TR4436	FLAT WASHER - 3/8"	1
8	EK7521	WIRE, GROUND	1
9	08193-21012	CLIP	1
10	MM0603	CAPSCREW - M10 X 1.50 X 16	4
11	MM0471	LOCKWASHER - M10	4
12	XB3719	LIGHT, LED - AMBER	2
	MM0460	FLAT WASHER - M8	6
13	XB4725	HARNESS, L.H. DECK LIGHTING	1
	PC2834	DIODE - 4 AMP (D1)	1
14	WB3093	CLAMP, CUSHIONED - 1"	14
15	EL8629	COVER	1
16	DC5004	MACHINE SCREW - #12 - 24NC X 1/2"	4
17	VD2047	LOCKWASHER - #12	4
18	EK9380	LIGHT, LED - RED	1
19	EK9381	LIGHT, LED - AMBER	1
20	EK9382	LIGHT, LED - GREEN	1
21	TG1929	MACHINE SCREW - #10 - 24NC X 1/2"	12
22	DC3101	LOCKWASHER - #10	12
23	DF0017	NUT - #10 - 24NC	12
24	WB1300	CLAMP, CUSHIONED - 5/8"	1
25	WB1301	CLAMP, CUSHIONED - 1/4"	5

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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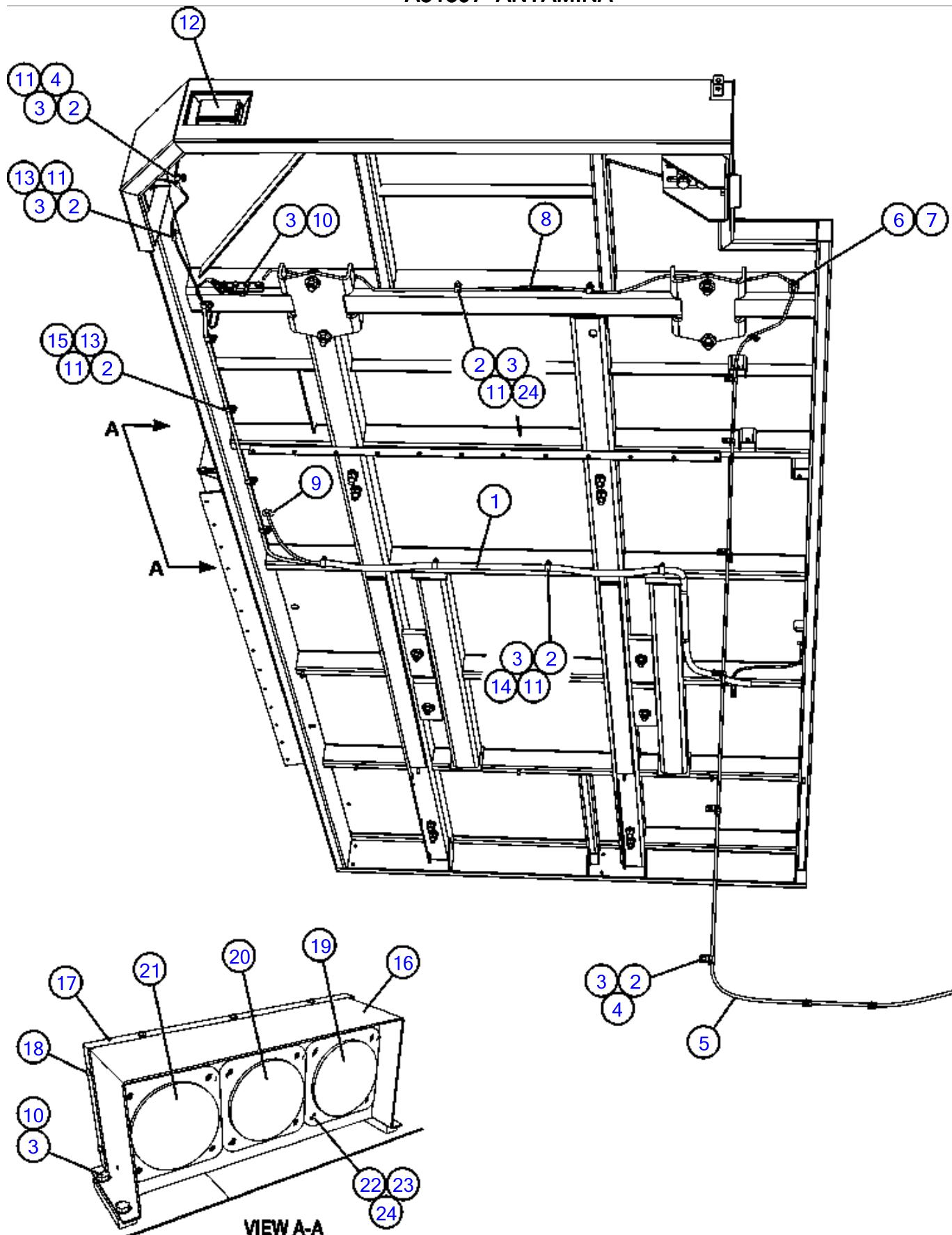
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 A31597 ANTAMINA

## HORN INSTALLATION

Item	Part No	Description	Qty
1	08193-21012	CLIP	1
2	MM0178	NUT - M10 X 1.50	1
3	MM0461	FLAT WASHER - M10	1
4	WB3097	CLAMP, CUSHIONED - 1/2"	1
5	MM0617	CAPSCREW - M12 X 1.75 X 25	2
6	MM0462	FLAT WASHER - M12	2
7	MM0472	LOCKWASHER - M12	2
8	MM0179	NUT - M12 X 1.75	2
9	PC0244	HORN, ELECTRIC	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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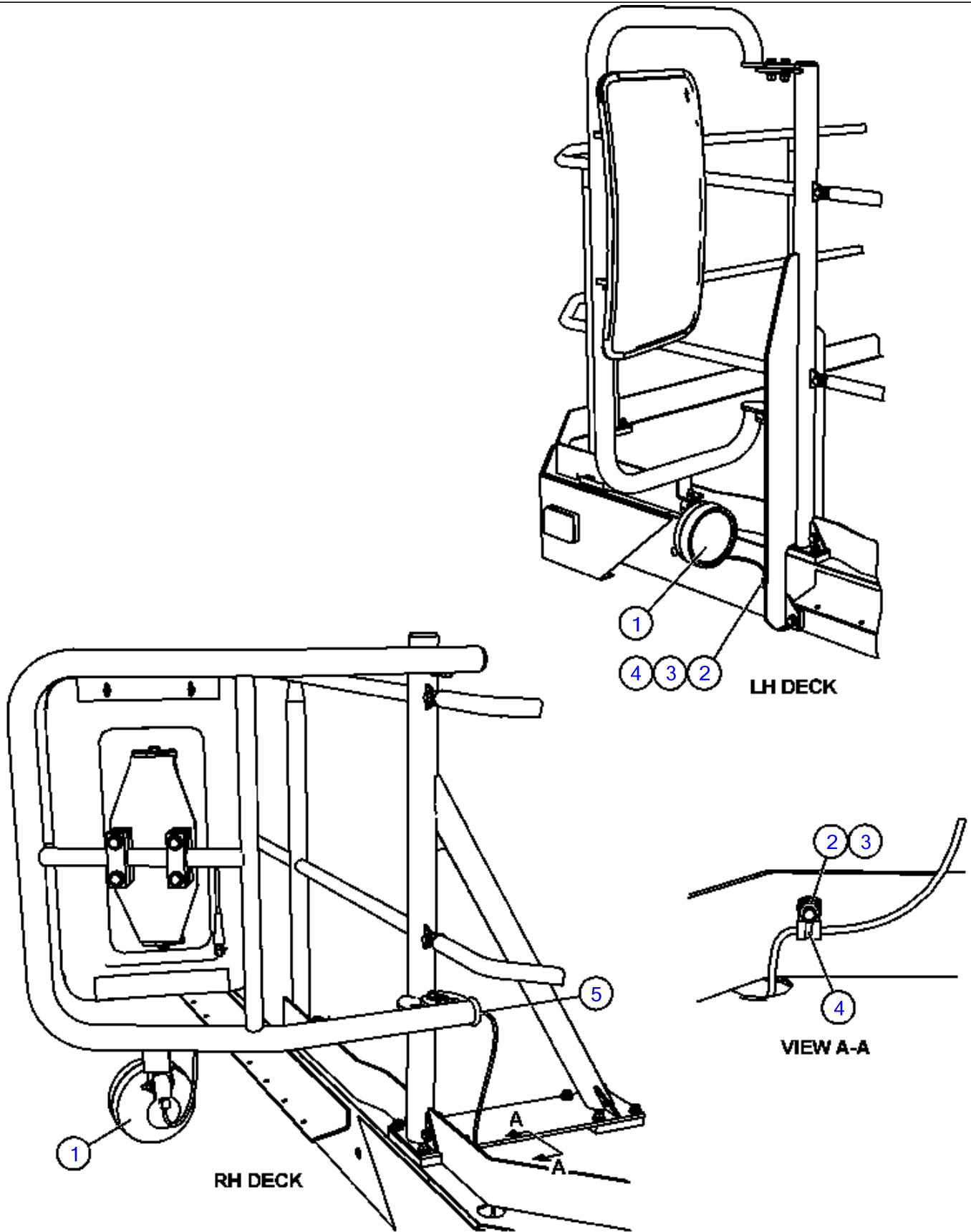


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 A31597 ANTAMINA

### R.H. DECK WIRING & LIGHTS

Item	Part No	Description	Qty
1	XB4560	HARNESS, R.H. DECK LIGHTING	1
2	MM0178	NUT - M10 X 1.50	22
3	MM0461	FLAT WASHER - M10	23
4	WB3097	CLAMP, CUSHIONED - 1/2"	15
5	EK7522	WIRE, GROUND	1
6	TV3461	CAPSCREW - 3/8" - 16NC X 5/8"	1
7	TR4436	FLAT WASHER - 3/8"	1
8	EK7521	WIRE, GROUND	1
9	VH8043	GROMMET, RUBBER	1
10	MM0603	CAPSCREW - M10 X 1.50 X 16	8
11	MM0471	LOCKWASHER - M10	22
12	XB3719	LIGHT, LED - AMBER	2
13	WB1304	CLAMP, CUSHIONED - 9/16"	12
14	WB1301	CLAMP, CUSHIONED - 1/4"	4
15	TY8375	SPACER	5
16	EL9918	PLM LIGHT ASSEMBLY - RH	1
	EK3852	· HOUSING, INDICATOR LIGHT	1
17	EL9919	· COVER, HOUSING	1
18	WA2853	· SCREW, SELF-TAPPING - #12 - 24NC X 5/8"	7
19	EK9380	· LIGHT, LED - RED	1
20	EK9381	· LIGHT, LED - AMBER	1
21	EK9382	· LIGHT, LED - GREEN	1
22	TG1929	· MACHINE SCREW - #10 - 24NC X 1/2"	12
23	DC3101	· LOCKWASHER - #10	12
24	DF0017	· NUT - #10 - 24NC	12

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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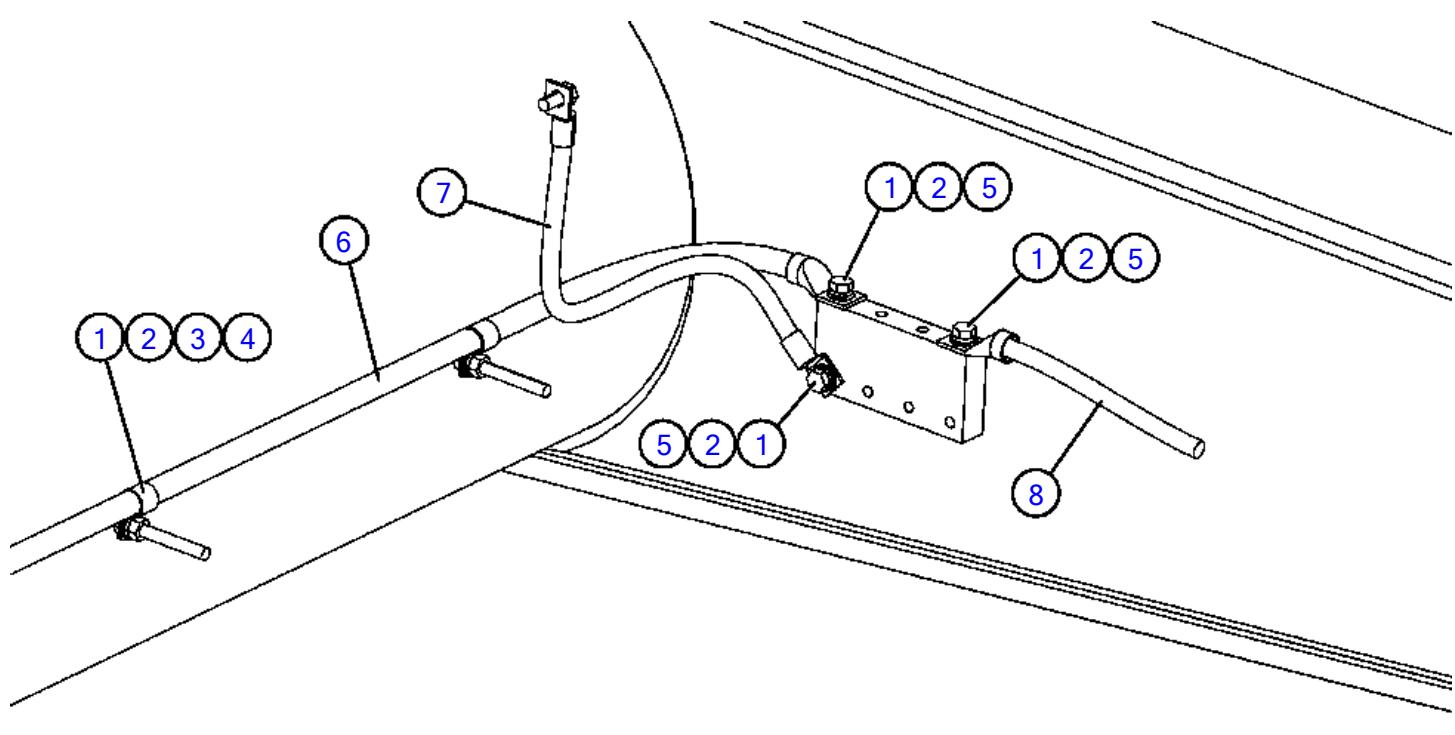


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A31597 ANTAMINA

**MIRROR MOUNTED FLOOD LIGHTS**

Item	Part No	Description	Qty	Page
1	AK7519	LIGHT ASSEMBLY (SEE FIG 42185)	2	362
2	MM0178	NUT - M10 X 1.50	2	
3	MM0461	FLAT WASHER - M10	2	
4	WB1302	CLAMP, CUSHIONED - 5/16"	2	
5	TN3431	GROMMET	1	

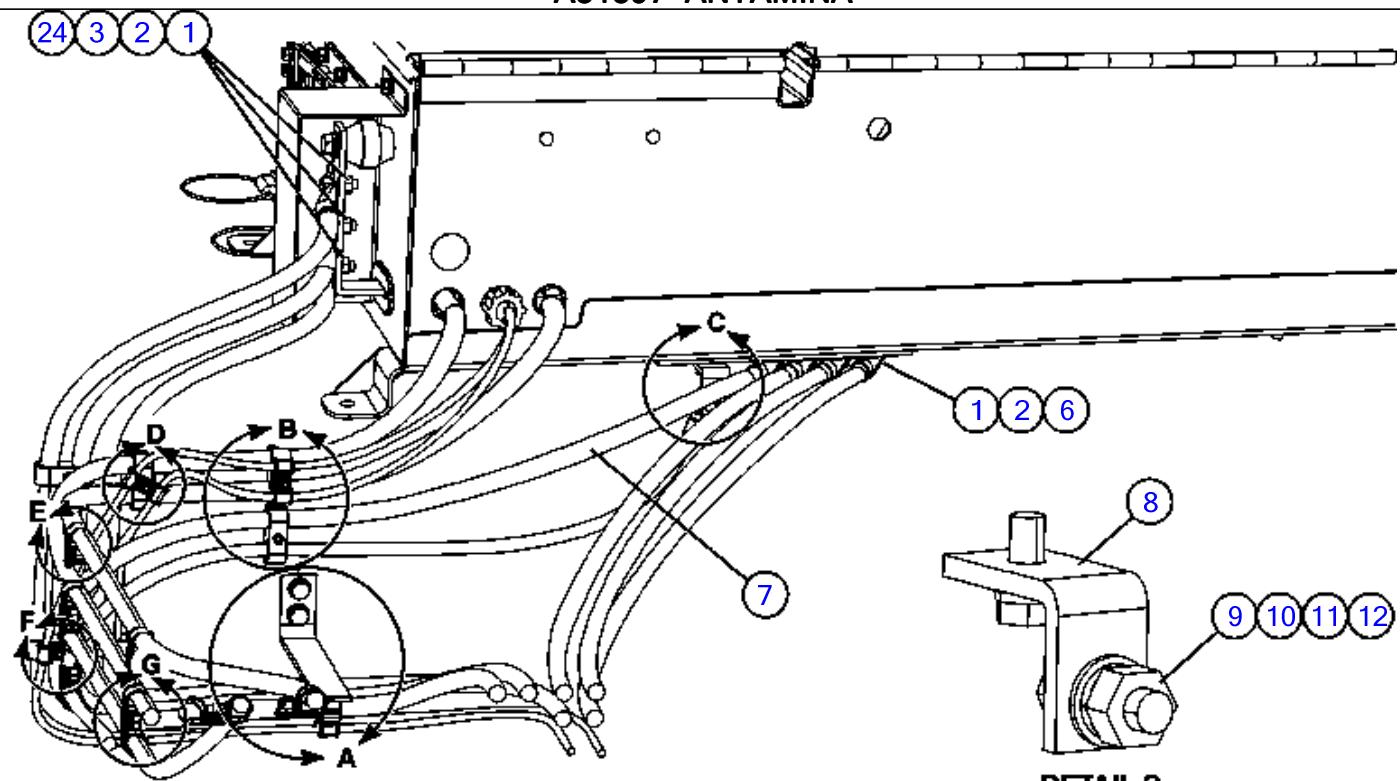
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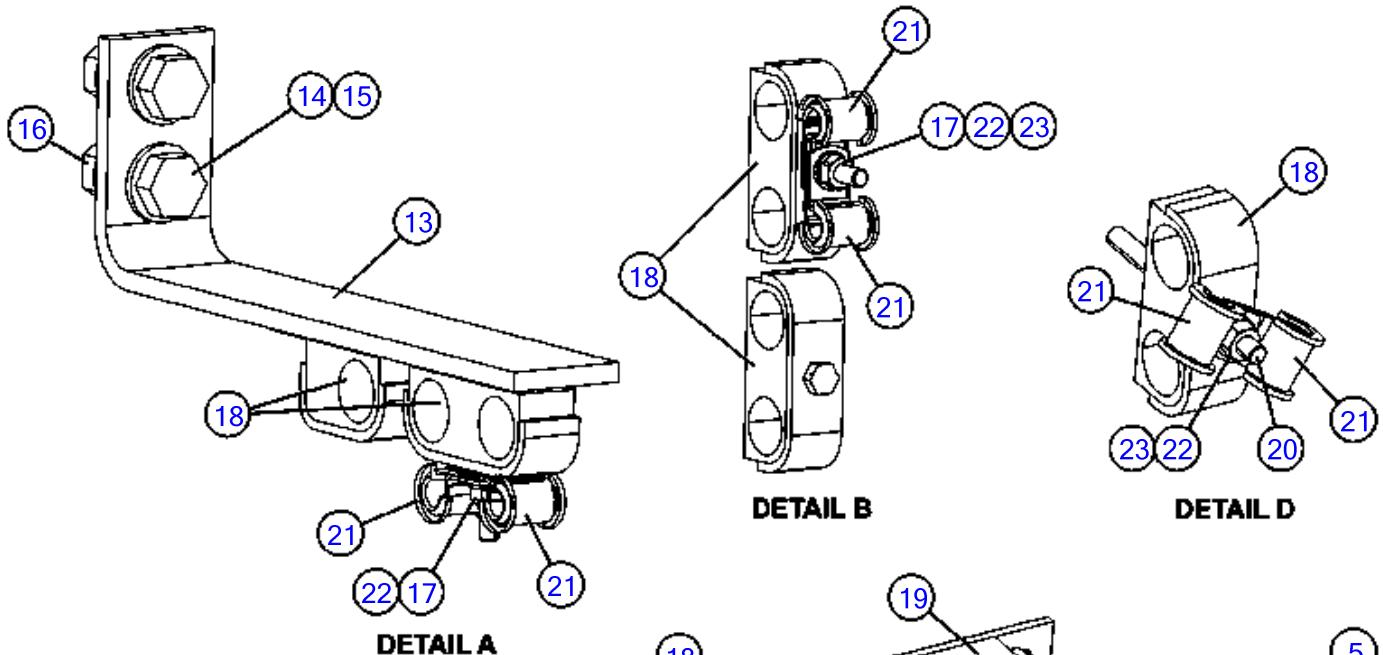
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 A31597 ANTAMINA  
**GROUND CABLES****

Item	Part No	Description	Qty
1	MM0471	LOCKWASHER - M10	10
2	MM0461	FLAT WASHER - M10	10
3	MM0178	NUT - M10 X 1.50	4
4	WB1303	CLAMP, CUSHIONED - 3/4"	6
5	MM0605	CAPSCREW - M10 X 1.50 X 25	6
6	CH4078	CABLE, GROUND (LH FRAME RAIL TO RH FRAME RAIL)	1
7	CH4517	CABLE, GROUND (LH FRAME RAIL TO SUB-FRAME)	1
8	CH4085	CABLE, GROUND (BATTERY BOX TO LH FRAME RAIL)	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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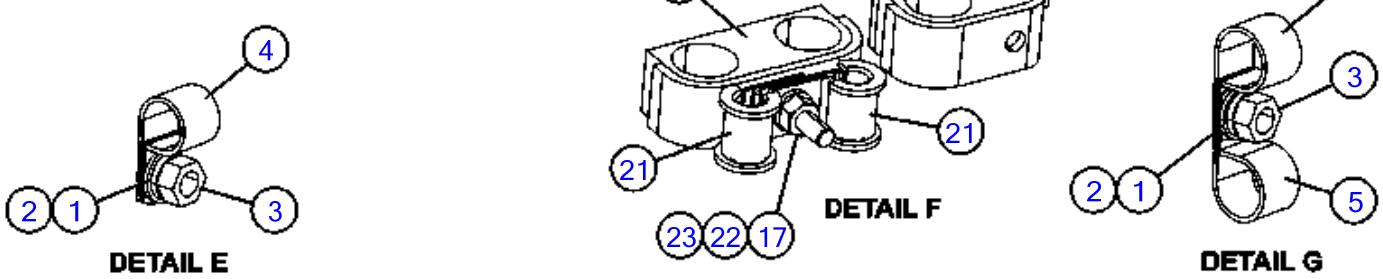
DETAIL C



DETAIL B

DETAIL D

DETAIL A



DETAIL E

DETAIL F

DETAIL G

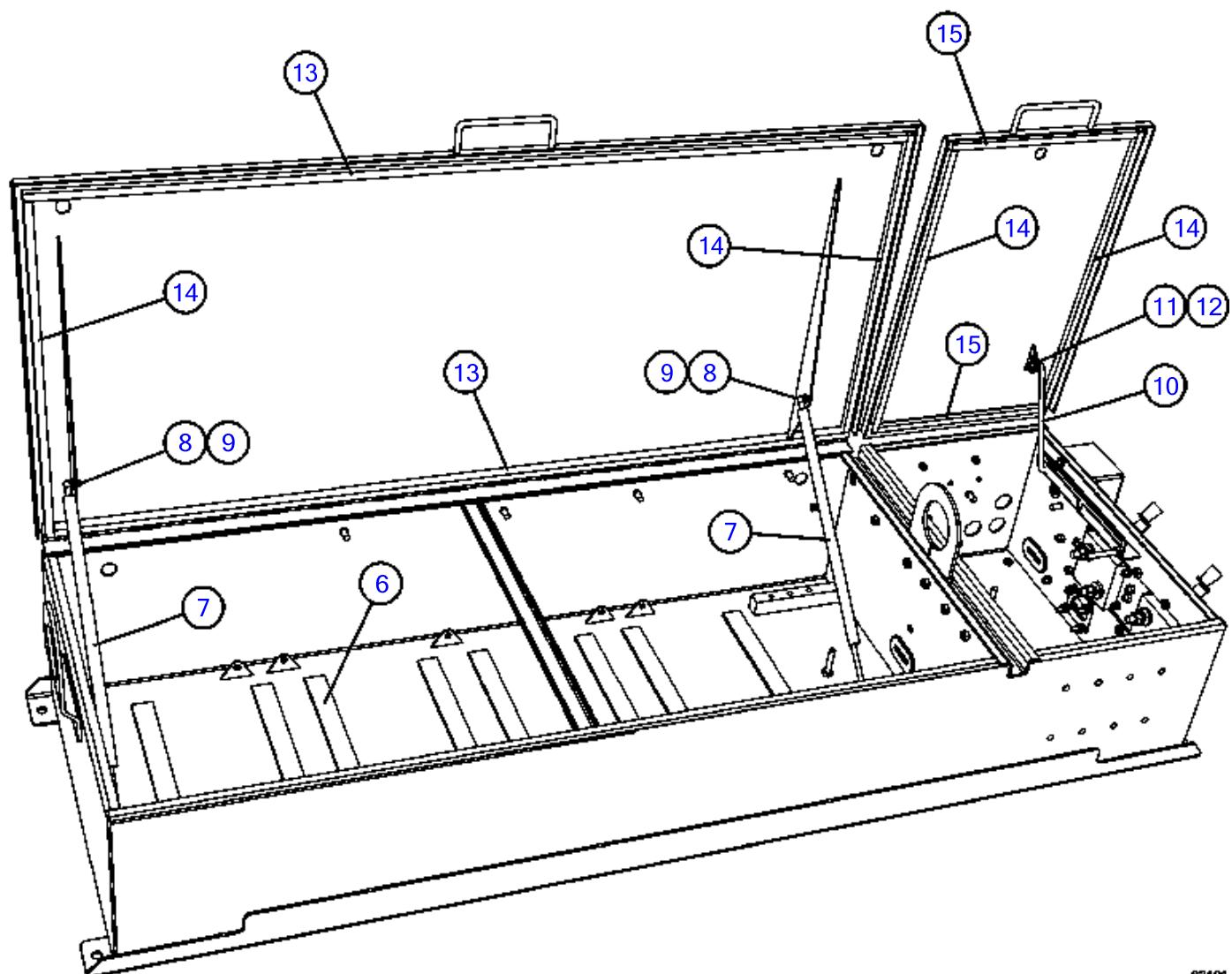
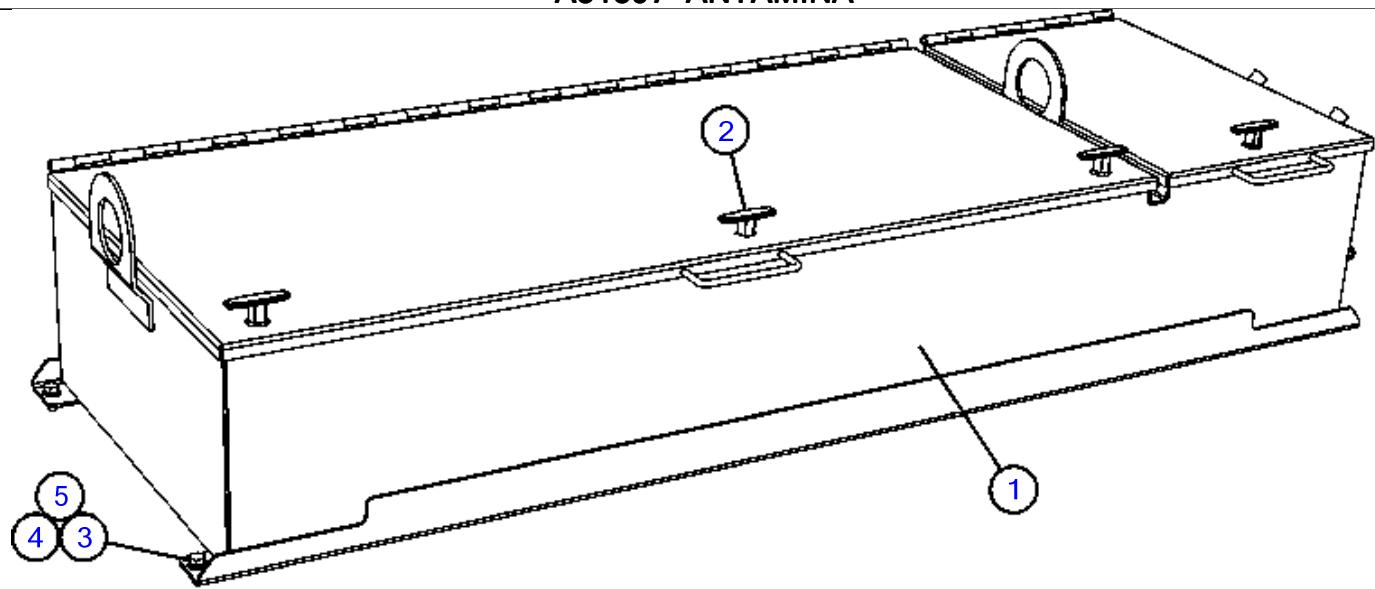
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### BATTERY BOX EXTERNAL WIRING

Item	Part No	Description	Qty
1	MM0471	LOCKWASHER - M10	13
2	MM0461	FLAT WASHER - M10	13
3	MM0178	NUT - M10 X 1.50	8
4	WB1303	CLAMP, CUSHIONED - 3/4"	3
5	WB3092	CLAMP, CUSHIONED - 7/8"	4
6	MM0605	CAPSCREW - M10 X 1.50 X 25	5
7	CH4085	CABLE, GROUND (BATTERY BOX TO LH FRAME RAIL)	1
8	EH7492	BUS BAR	1
9	VC6561	CAPSCREW - 1/2" - 13NC X 1 1/2"	1
10	TR5445	LOCKWASHER - 1/2"	1
11	TR6008	FLAT WASHER - 1/2"	1
12	TR6643	NUT - 1/2" - 13NC	1
13	EM0570	BRACKET	1
14	MM0619	CAPSCREW - M12 X 1.75 X 35	2
15	MM0462	FLAT WASHER - M12	4
16	MM0179	NUT - M12 X 1.75	2
17	EM3364	ROD, THREADED - M6 X 1.00 X 50	3
18	EJ3891	CLAMP ASSEMBLY	9
19	EJ5576	CLAMP ASSEMBLY	2
20	EL1939	ROD, THREADED	1
21	SP7846	CLAMP, CUSHIONED - 5/16"	8
22	MM0459	FLAT WASHER - M6	4
23	MM0176	NUT - M6 X 1.00	4
24	MM0606	CAPSCREW - M10 X 1.50 X 30	3

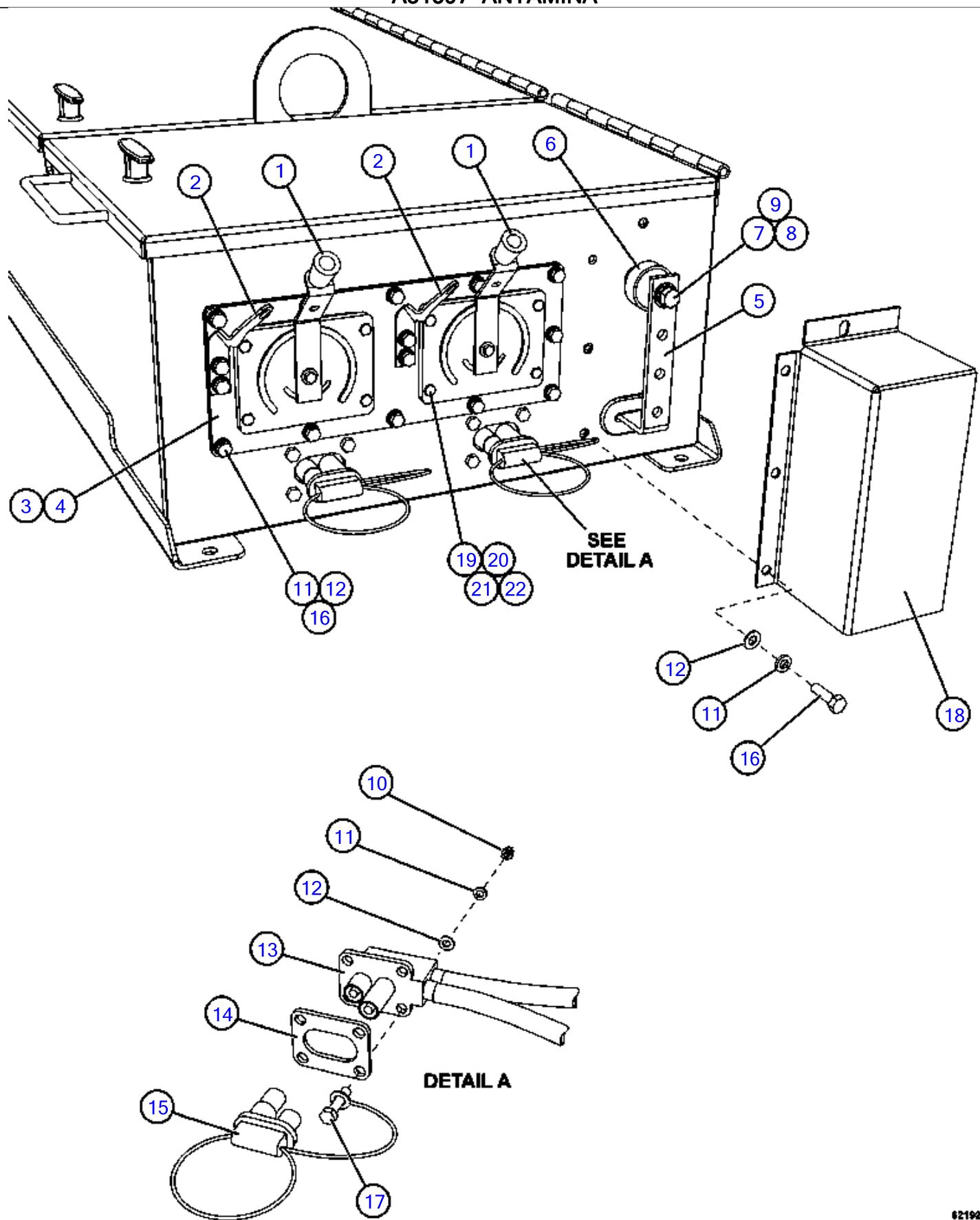
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 A31597 ANTAMINA**  
**BATTERY BOX 1/5**

Item	Part No	Description	Qty
1	XB5618	BOX, BATTERY	1
2	PC1081	LATCH	4
3	MM0032	CAPSCREW - M12 X 1.75 X 30	4
4	MM0472	LOCKWASHER - M12	4
5	MM0462	FLAT WASHER - M12	4
6	EG9126	STRIP, RUBBER	8
7	PC1950	STRUT	2
8	MM0459	FLAT WASHER - M6	8
9	MM0717	NUT - M6 X 1.00	4
10	EL6412	SUPPORT, LID	1
11	MM0461	FLAT WASHER - M10	2
12	MM0523	PIN, COTTER	2
13	EL6401	SEAL STRIP	2
14	EJ0216	SEAL STRIP	4
15	EL6402	SEAL STRIP	2

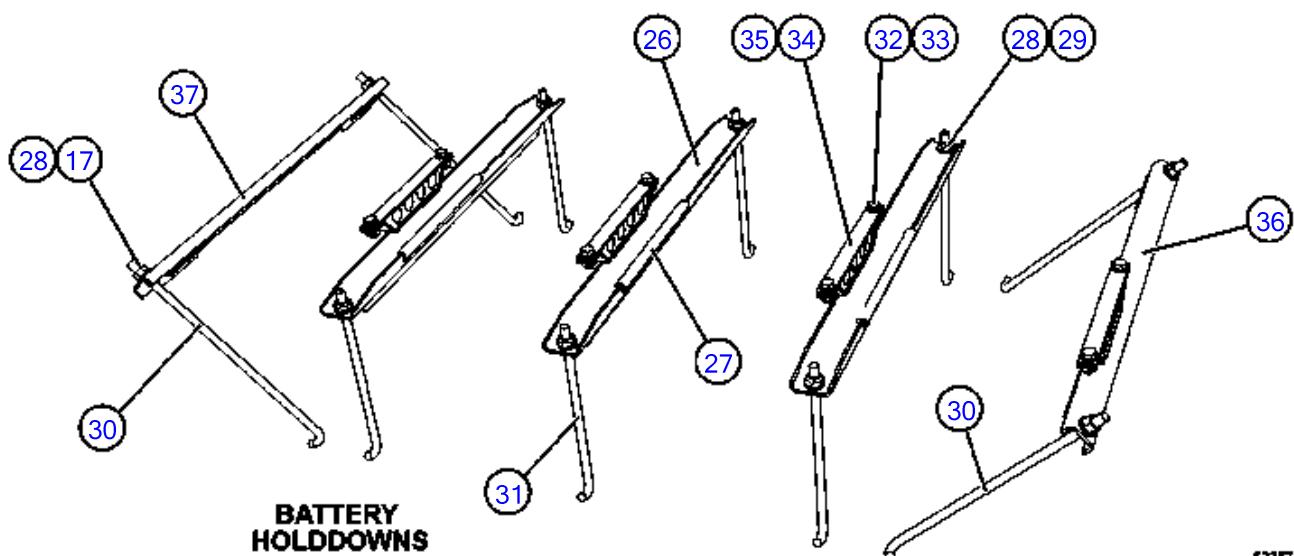
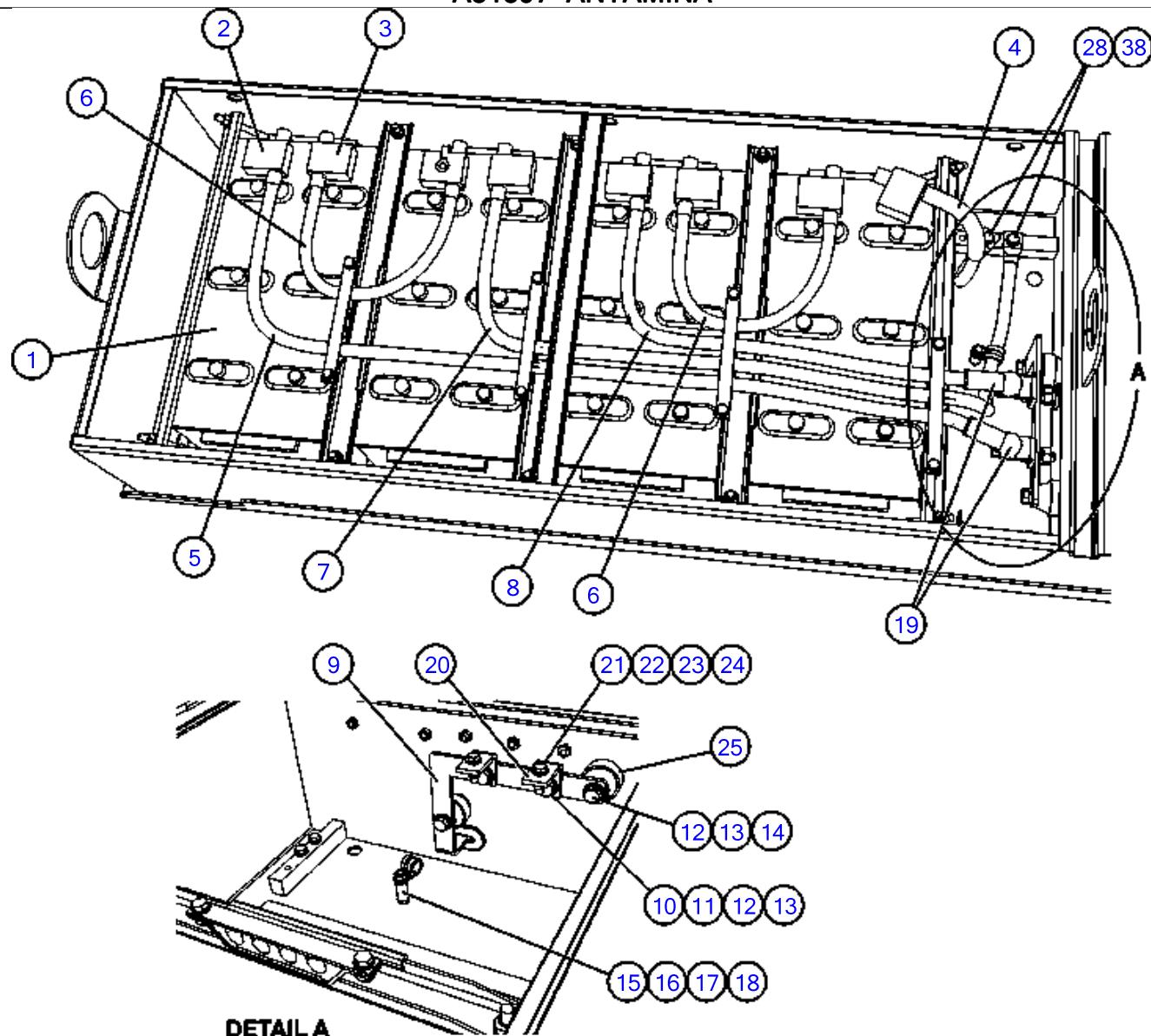
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 A31597 ANTAMINA  
**BATTERY BOX 2/5****

Item	Part No	Description	Qty
1	EC1725	SWITCH, BATTERY DISCONNECT	2
2	EK9945	PLATE, BENT	2
3	EL3998	PLATE	1
4	EL3997	GASKET	1
5	EL3820	BUS BAR	1
6	PC0291	INSULATOR	2
7	TR5445	LOCKWASHER - 1/2"	2
8	TR6008	FLAT WASHER - 1/2"	2
9	VC1387	CAPSCREW - 1/2" - 13NC X 1"	2
10	MM0177	NUT - M8 X 1.25	8
11	MM0470	LOCKWASHER - M8	27
12	MM0460	FLAT WASHER - M8	27
13	CH5503	CABLE, JUMP START - LH	1
	PB9112	· RECEPTACLE ASSEMBLY	1
	CH5504	CABLE, JUMP START - RH	1
	PB9112	· RECEPTACLE ASSEMBLY	1
14	EJ7781	GASKET	2
15	PB5993	COVER ASSEMBLY	2
16	MM0594	CAPSCREW - M8 X 1.25 X 25	19
17	MM0596	CAPSCREW - M8 X 1.25 X 35	8
18	EL7794	COVER	1
19	TR1306	CAPSCREW - 1/4" - 20NC X 1"	8
20	SP8417	FLAT WASHER - 1/4"	8
21	DC3584	LOCKWASHER - 1/4"	8
22	TD1549	NUT - 1/4" - 20NC	8

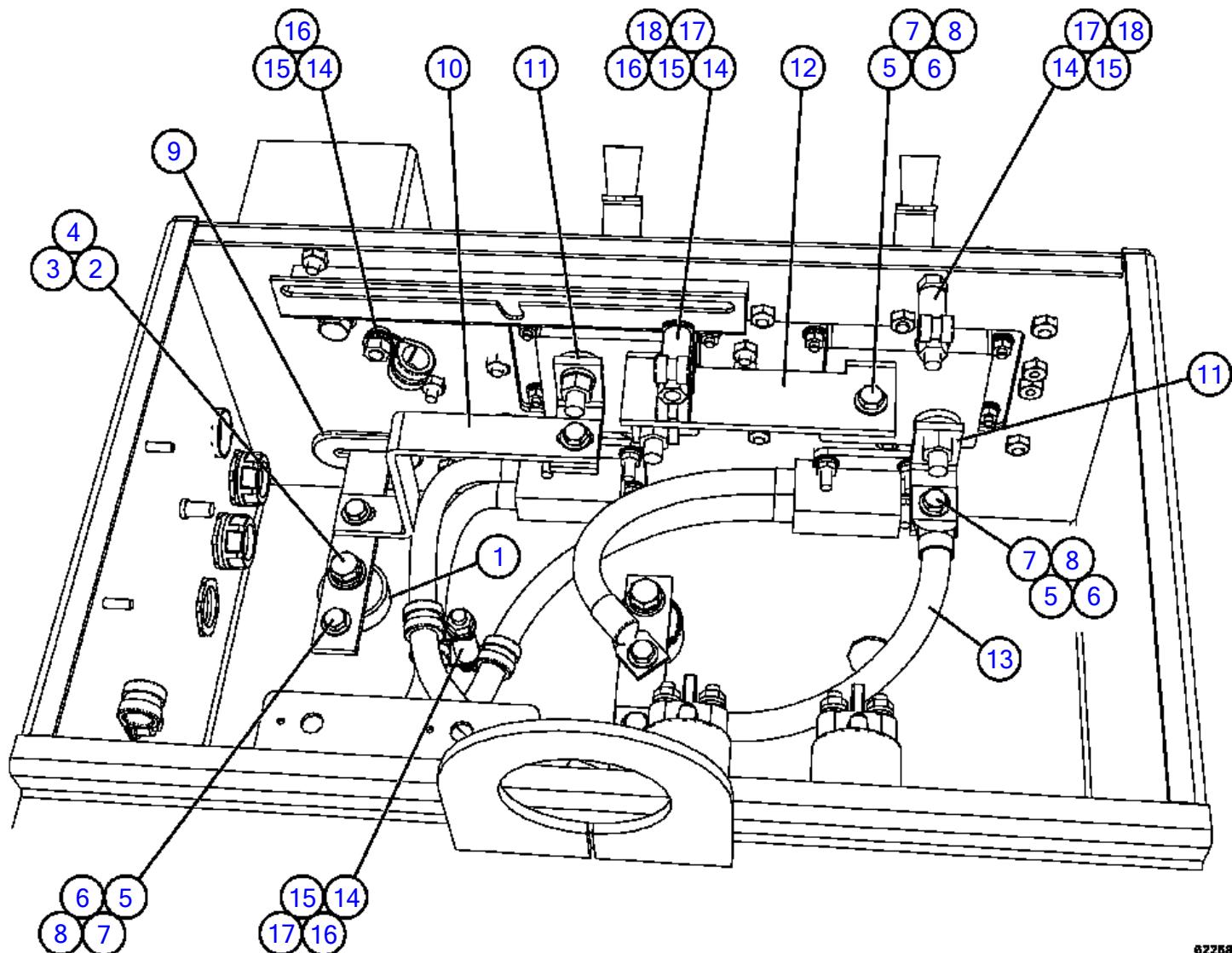
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A31597 ANTAMINA  
BATTERY BOX 3/5**

Item	Part No	Description	Qty
1	VZ0639	BATTERY	4
2	PC0247	CAP - RED	4
3	PC0246	CAP - BLACK	4
4	CH4070	CABLE, BATTERY - BLACK	1
5	CH5801	CABLE, BATTERY - RED	1
6	CH5803	CABLE, BATTERY - RED	1
7	CH5707	CABLE, BATTERY - BLACK	1
8	CH5802	CABLE, BATTERY - RED	1
9	EL3819	BUS BAR	1
10	VC6561	CAPSCREW - 1/2" - 13NC X 1 1/2"	2
11	TR6643	NUT - 1/2" - 13NC	2
12	TR5445	LOCKWASHER - 1/2"	6
13	TR6008	FLAT WASHER - 1/2"	8
14	VC1387	CAPSCREW - 1/2" - 13NC X 1"	4
15	TY8375	SPACER	1
16	WB1303	CLAMP, CUSHIONED - 3/4"	1
17	MM0178	NUT - M10 X 1.50	5
18	MM0461	FLAT WASHER - M10	1
19	08038-00035	CAP, TERMINAL	2
20	EH7492	BUS BAR	2
21	TD0791	CAPSCREW - 3/8" - 16NC X 1 1/4"	2
22	TR4436	FLAT WASHER - 3/8"	4
23	TC1231	LOCKWASHER - 3/8"	2
24	TC1233	NUT - 3/8" - 16NC	2
25	PC0291	INSULATOR	2
26	EL0584	HOLD-DOWN	3
27	EJ3805	TRIM, EDGE	3
28	MM0713	FLAT WASHER - M10 (HARDENED)	10
29	MM0693	LOCKNUT - M10 X 1.50	6
30	561-06-A4140	ROD	4
31	561-06-A4160	ROD	6
32	MM0022	CAPSCREW - M8 X 1.25 X 20	8
33	MM0712	FLAT WASHER - M8 (HARDENED)	8
34	EJ0043	STRAP	4
35	EL0585	SPACER	4
36	EL5181	HOLD-DOWN	1
37	561-06-A4130	HOLD-DOWN	2
38	MM0604	CAPSCREW - M10 X 1.50 X 20	2

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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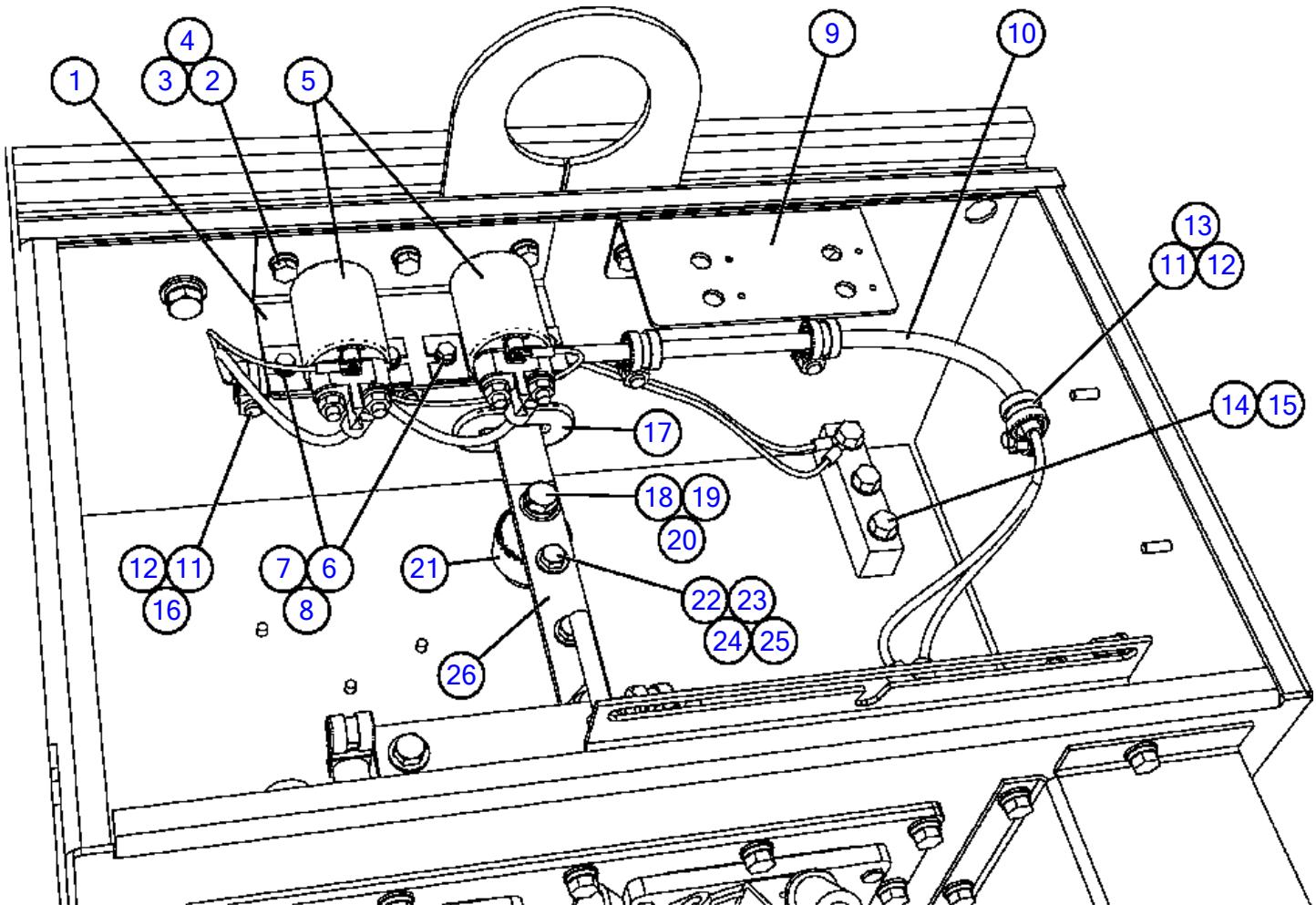


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 A31597 ANTAMINA**  
**BATTERY BOX 4/5**

Item	Part No	Description	Qty
1	PC0291	INSULATOR	1
2	VC1387	CAPSCREW - 1/2" - 13NC X 1"	2
3	TR5445	LOCKWASHER - 1/2"	2
4	TR6008	FLAT WASHER - 1/2"	2
5	TD0791	CAPSCREW - 3/8" - 16NC X 1 1/4"	5
6	TR4436	FLAT WASHER - 3/8"	10
7	TC1231	LOCKWASHER - 3/8"	5
8	TC1233	NUT - 3/8" - 16NC	5
9	WA2859	GROMMET, RUBBER	1
10	EL3821	BUS BAR	1
11	EH7492	BUS BAR	2
12	EM2053	BUS BAR	1
13	CH3885	CABLE, BATTERY - RED	1
14	MM0178	NUT - M10 X 1.50	4
15	MM0461	FLAT WASHER - M10	4
16	WB1303	CLAMP, CUSHIONED - 3/4"	5
17	TY8375	SPACER	3
18	WB1302	CLAMP, CUSHIONED - 5/16"	4

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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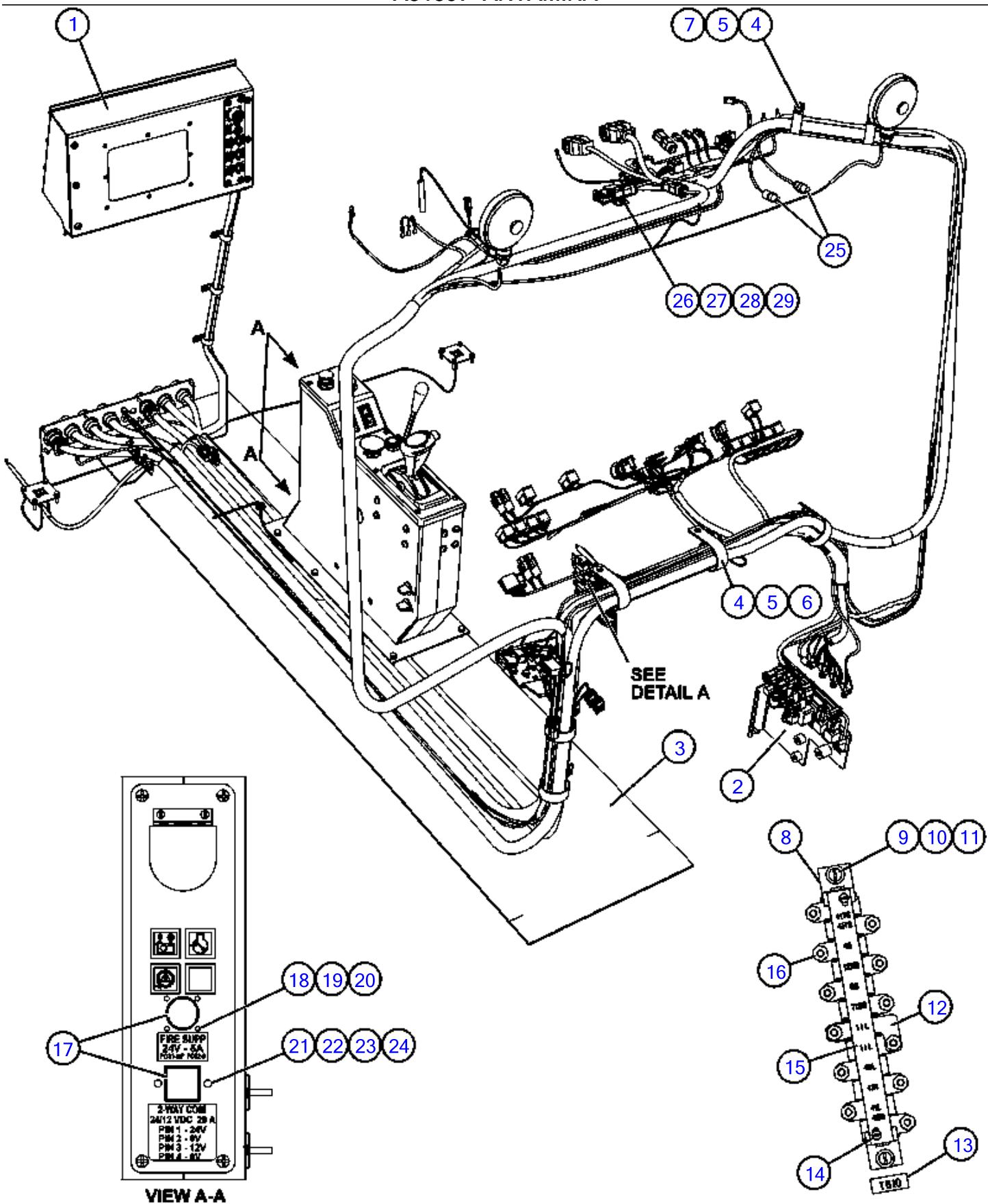


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 A31597 ANTAMINA**  
**BATTERY BOX 5/5**

Item	Part No	Description	Qty
1	EL6406	BRACKET	1
2	MM0593	CAPSCREW - M8 X 1.25 X 20	5
3	MM0470	LOCKWASHER - M8	5
4	MM0460	FLAT WASHER - M8	5
5	PC1903	RELAY - 200 AMP	2
6	MM0581	CAPSCREW - M6 X 1.00 X 16	4
7	MM0459	FLAT WASHER - M6	4
8	MM0469	LOCKWASHER - M6	4
9	EK7517	BRACKET	1
10	XB5599	HARNESS, BATTERY BOX	1
11	MM0178	NUT - M10 X 1.50	5
12	MM0461	FLAT WASHER - M10	5
13	WB3091	CLAMP, CUSHIONED	4
14	MM0604	CAPSCREW - M10 X 1.50 X 20	3
15	MM0713	FLAT WASHER - M10 (HARDENED)	3
16	WB3097	CLAMP, CUSHIONED - 1/2"	1
17	WA2859	GROMMET, RUBBER	1
18	VC1387	CAPSCREW - 1/2" - 13NC X 1"	4
19	TR5445	LOCKWASHER - 1/2"	4
20	TR6008	FLAT WASHER - 1/2"	4
21	VZ2686	STAND-OFF, INSULATED	2
22	TD0791	CAPSCREW - 3/8" - 16NC X 1 1/4"	3
23	TR4436	FLAT WASHER - 3/8"	6
24	TC1231	LOCKWASHER - 3/8"	3
25	TC1233	NUT - 3/8" - 16NC	3
26	EM2054	BUS BAR	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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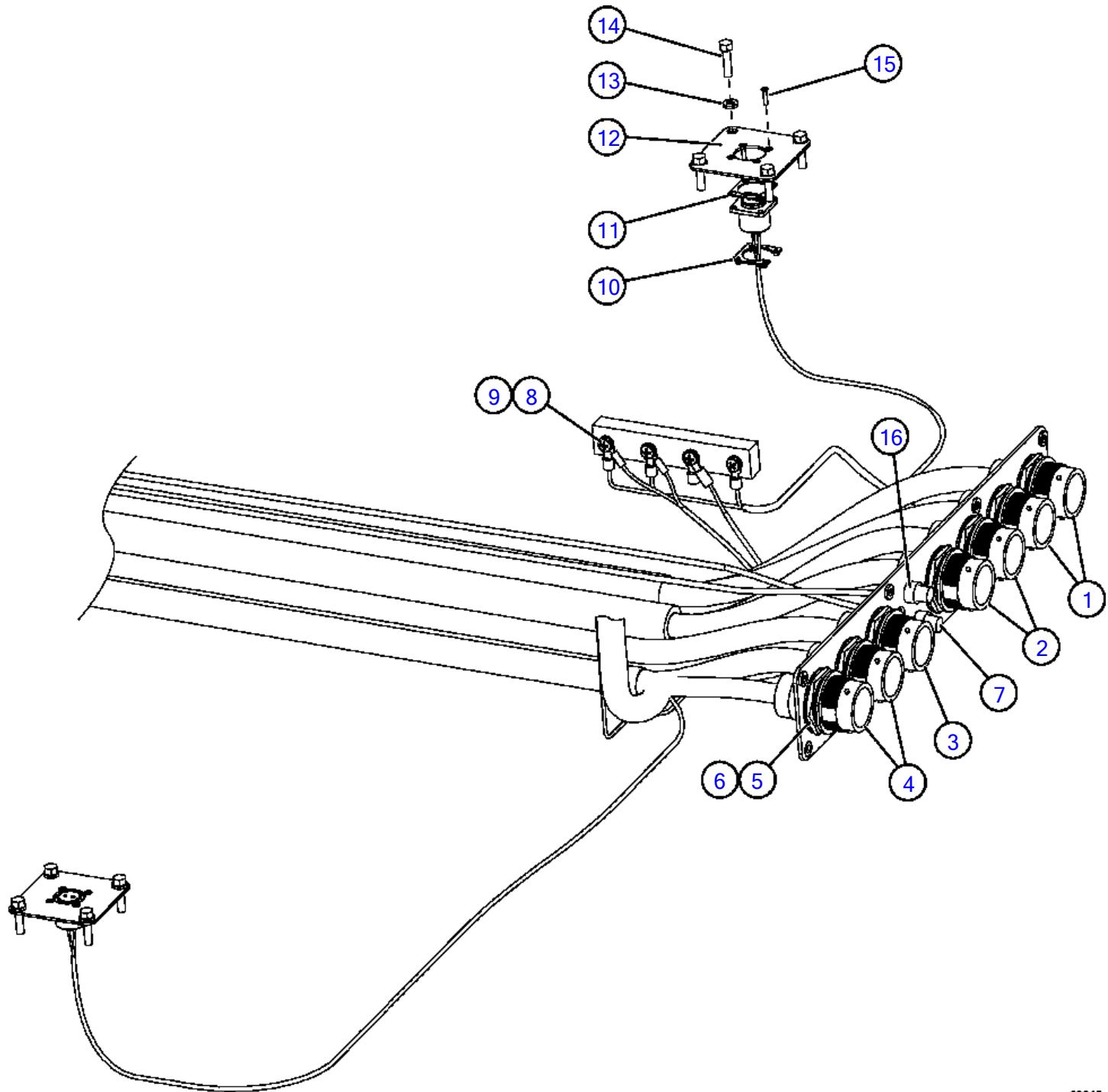


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 A31597 ANTAMINA

## CAB ELECTRICAL WIRING 1/2

Item	Part No	Description	Qty	Page
1		DIAGNOSTIC INFORMATION DISPLAY (DID) PANEL (SEE FIG 61502)	1	328
2		WIPER/WASHER TIMER DELAY MODULES (SEE FIG 62246)	1	330
3	EK4010	MAT, PROTECTIVE RUBBER	1	
4	MM0460	FLAT WASHER - M8	7	
5	MM0177	NUT - M8 X 1.25	7	
6	VC7674	CLAMP, VINYL - 2 7/16" I.D.	5	
7	WB3096	CLAMP, CUSHIONED - 1 1/4"	2	
8	VS8192	BOARD, TERMINAL (SEE FIG 64070A)	1	
9	TG1929	MACHINE SCREW - #10 - 24NC X 1/2"	2	
10	DC3101	LOCKWASHER - #10	2	
11	VC5344	FLAT WASHER - #10	2	
12	EB7418	BAR, BUS	1	
13	WB0820	NAME PLATE - TB10	1	
14	VM2951	SCREW, SELF-TAPPING - #6 - 32NC X 5/16"	2	
15	WB3180	STRIP, CIRCUIT ID	1	
16	WA3367	NUT ASSEMBLY	12	
17	XC3494	HARNESS, CAB OVERHEAD	1	
	EF2687	RESISTOR - 470 OHM (R16)	1	
	PC2834	DIODE - 4 AMP (D78, D79, D85, D86, RD1)	5	
18	MM0331	MACHINE SCREW - M3 X .5 X 20	4	
19	MM0376	LOCKWASHER - M3 (EXTERNAL TOOTH)	4	
20	MM0370	NUT - M3 X .5	4	
21	MM0344	MACHINE SCREW - M4 X .7 X 20	2	
22	MM0378	LOCKWASHER - M4 (EXTERNAL TOOTH)	2	
23	MM0205	LOCKWASHER - M4	2	
24	MM0372	NUT - M4 X .7	2	
25	PC1701	FITTING, BULKHEAD (COAX)	2	
26	08193-21012	CLIP	1	
27	MM0459	FLAT WASHER - M6	1	
28	MM0469	LOCKWASHER - M6	1	
29	MM0717	NUT - M6 X 1.00	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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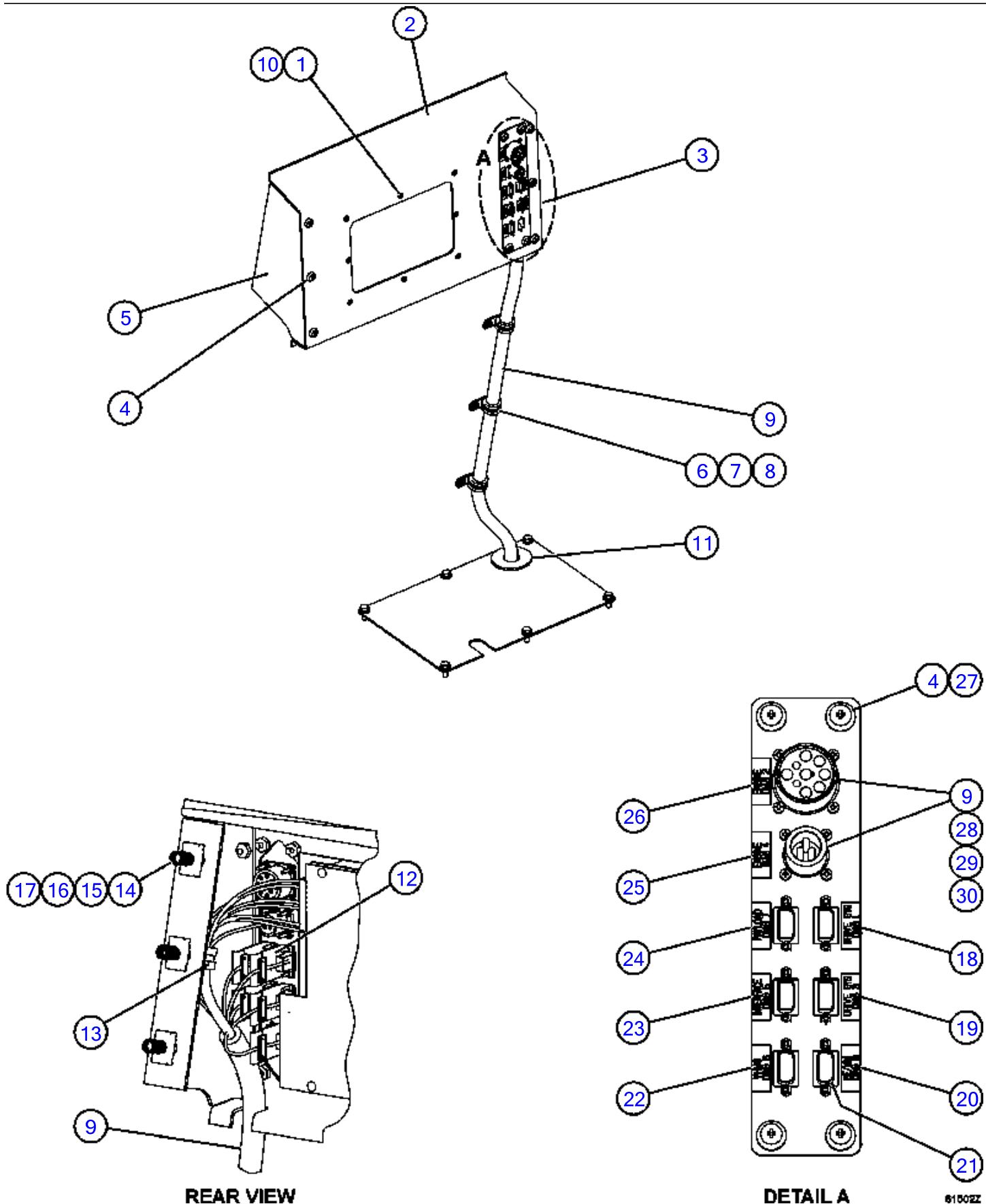
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 A31597 ANTAMINA

## CAB ELECTRICAL WIRING 2/2

Item	Part No	Description	Qty
1	XC3494	HARNESS, CAB OVERHEAD	1
	EF2687	• RESISTOR - 470 OHM (R16)	1
	PC2834	• DIODE - 4 AMP (D78, D79, D85, D86, RD1)	5
2	XC3473	HARNESS, CAB DASH	1
	PB4767	• RELAY (CN08, CN09)	2
	PC2834	• DIODE - 4 AMP (D50L, D50R, DRR, DTS, WRHD, WRLD, WSD)	7
3	XB9997	HARNESS, CAB/G.E. SIGNAL	1
4	XB2158	HARNESS, ENGINE/CAB DIAGNOSTIC	1
5	PB5373	LOCKWASHER	7
6	PB5371	NUT	7
7	PC1963	HARNESS, ORBCOMM (COAX)	1
8	MM0357	MACHINE SCREW - M6 X 1.00 X 12	4
9	MM0459	FLAT WASHER - M6	4
10	SM2117	PLATE, NUT	2
11	SM0721	GASKET	2
12	SM2192	PLATE	2
13	MM0469	LOCKWASHER - M6	8
14	MM0027	CAPSCREW - M6 X 1.00 X 25	8
15	WA5642	MACHINE SCREW - #4 - 40NC X 1/2"	8
16	PC3135	CABLE, GPS	1

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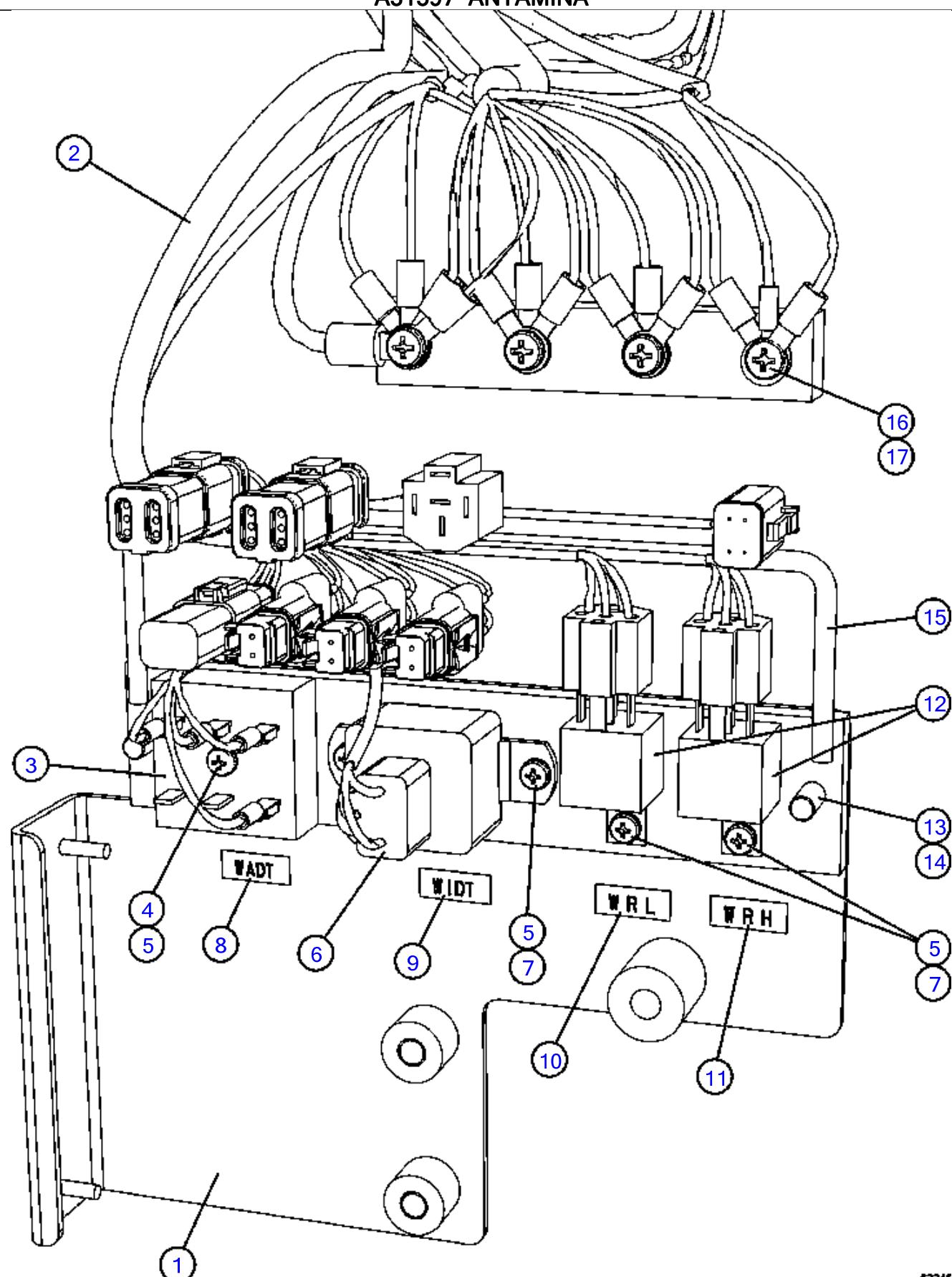


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 A31597 ANTAMINA

### D.I.D. PANEL INSTALLATION

Item	Part No	Description	Qty
1	PB9828	SCREW, FLAT HEAD - #10 - 32NF X 7/8"	8
2	EL4154	PLATE, BENT (D.I.D. PANEL MOUNTING)	1
3	SM4275	PLATE, SIDE - L.H.	1
4	PB9829	SCREW - M6 X 1.00 X 16	10
5	SM4274	PLATE, SIDE - R.H.	1
6	WB3093	CLAMP, CUSHIONED - 1"	3
7	WA4513	SCREW, SELF-TAPPING - #10 - 24NC X 1/2"	3
8	DF3445	FLAT WASHER - #12	3
9	XB2158	HARNESS, ENGINE/CAB DIAGNOSTIC	1
10	PC2796	PANEL, DIAGNOSTIC INFORMATION DISPLAY (D.I.D.)	1
11	VP3271	GROMMET	1
12	PB8334	CLAMP, STRAIN RELIEF	5
13	WB3098	CLAMP, CUSHIONED - 3/8"	1
14	TC1231	LOCKWASHER - 3/8"	6
15	VC8762	CAPSCREW - 3/8" - 16NC X 1 1/2"	6
16	TR4436	FLAT WASHER - 3/8"	6
17	SM5049	NUT, SPRING - 3/8" - 16NC	6
18	WB3116	NAME PLATE - DRIVE SYS DIAG 1	1
19	WB3119	NAME PLATE - DRIVE SYS DIAG 3	1
20	WB3314	NAME PLATE - GE/MM DIAG 8	1
21	PB8256	SCREWLOCK, FEMALE	5
22	WB3120	NAME PLATE - VHMS DIAG 6	1
23	WB3117	NAME PLATE - INTERFACE DIAG 5	1
24	WB3118	NAME PLATE - PAYLOAD DIAG 7	1
25	WB3115	NAME PLATE - ENGINE DIAG 4	1
26	WB3114	NAME PLATE - ENGINE DIAG 2	1
27	EL4141	PLATE, DIAGNOSTIC	1
28	MM0376	LOCKWASHER - M3 (EXTERNAL TOOTH)	8
29	MM0370	NUT - M3 X .5	8
30	MM0331	MACHINE SCREW - M3 X .5 X 20	8

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

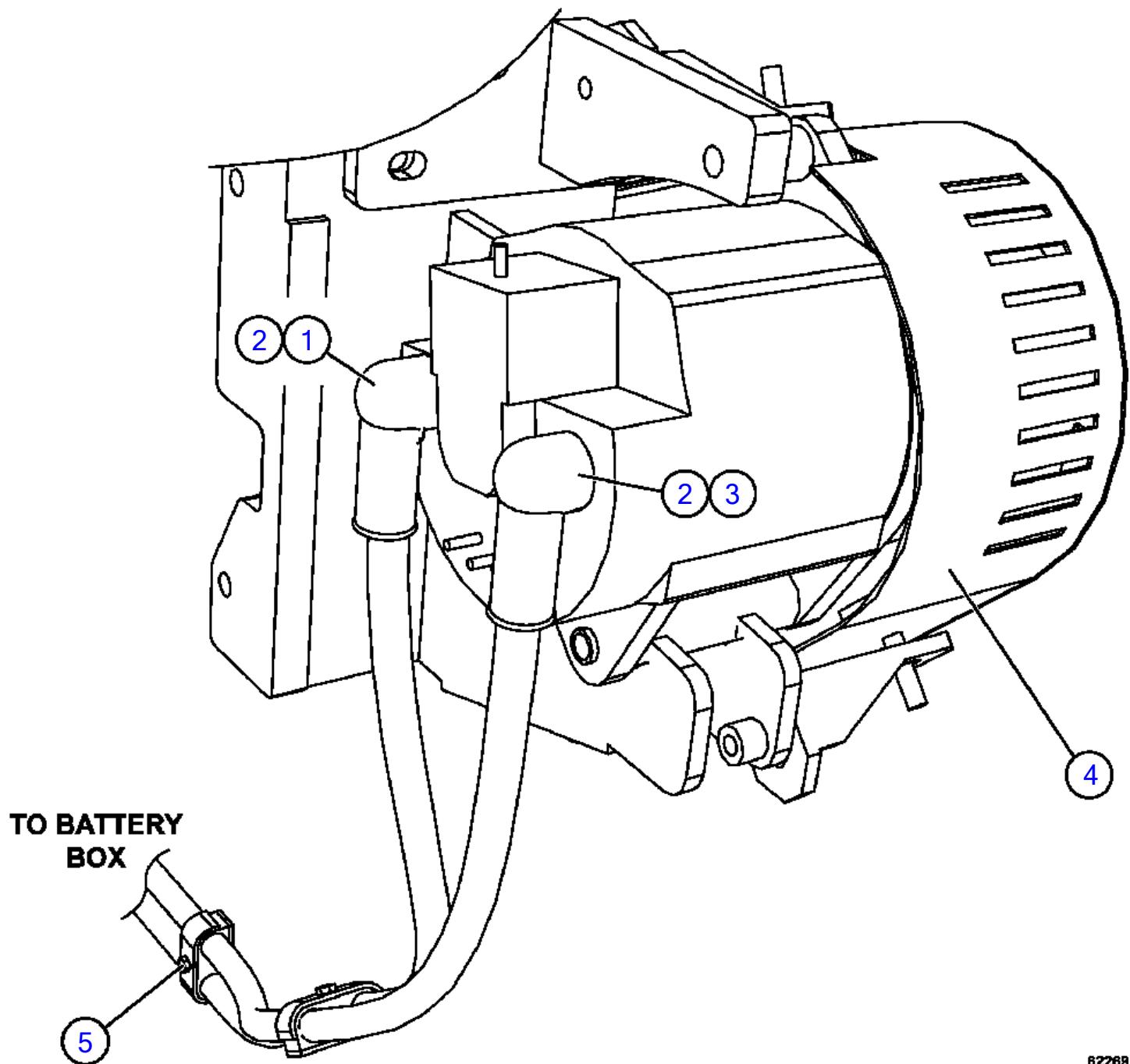


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 A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### WIPER/WASHER TIMER DELAY MODULES

Item	Part No	Description	Qty
1	XC0105	PLATE, SWITCHER	1
2	XC3473	HARNESS, CAB DASH	1
	PB4767	RELAY (CN08, CN09)	2
	PC2834	DIODE - 4 AMP (D50L, D50R, DRR, DTS, WRHD, WRLD, WSD)	7
3	PC1838	MODULE, WASHER TIMER DELAY	1
4	MM0353	MACHINE SCREW - M5 X .8 X 30	1
5	MM0379	LOCKWASHER - M5 (EXTERNAL TOOTH)	5
6	PC0566	MODULE, WIPER TIMER DELAY	1
7	MM0348	MACHINE SCREW - M5 X .8 X 10	4
8	WB0818	NAME PLATE - WADT	1
9	WB0819	NAME PLATE - WIDT	1
10	WB0817	NAME PLATE - WRL	1
11	WB0816	NAME PLATE - WRH	1
12	PB4767	RELAY	2
13	MM0595	CAPSCREW - M8 X 1.25 X 30	2
14	MM0470	LOCKWASHER - M8	2
15	EL1698	BRACKET	1
16	MM0357	MACHINE SCREW - M6 X 1.00 X 12	4
17	MM0459	FLAT WASHER - M6	4

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



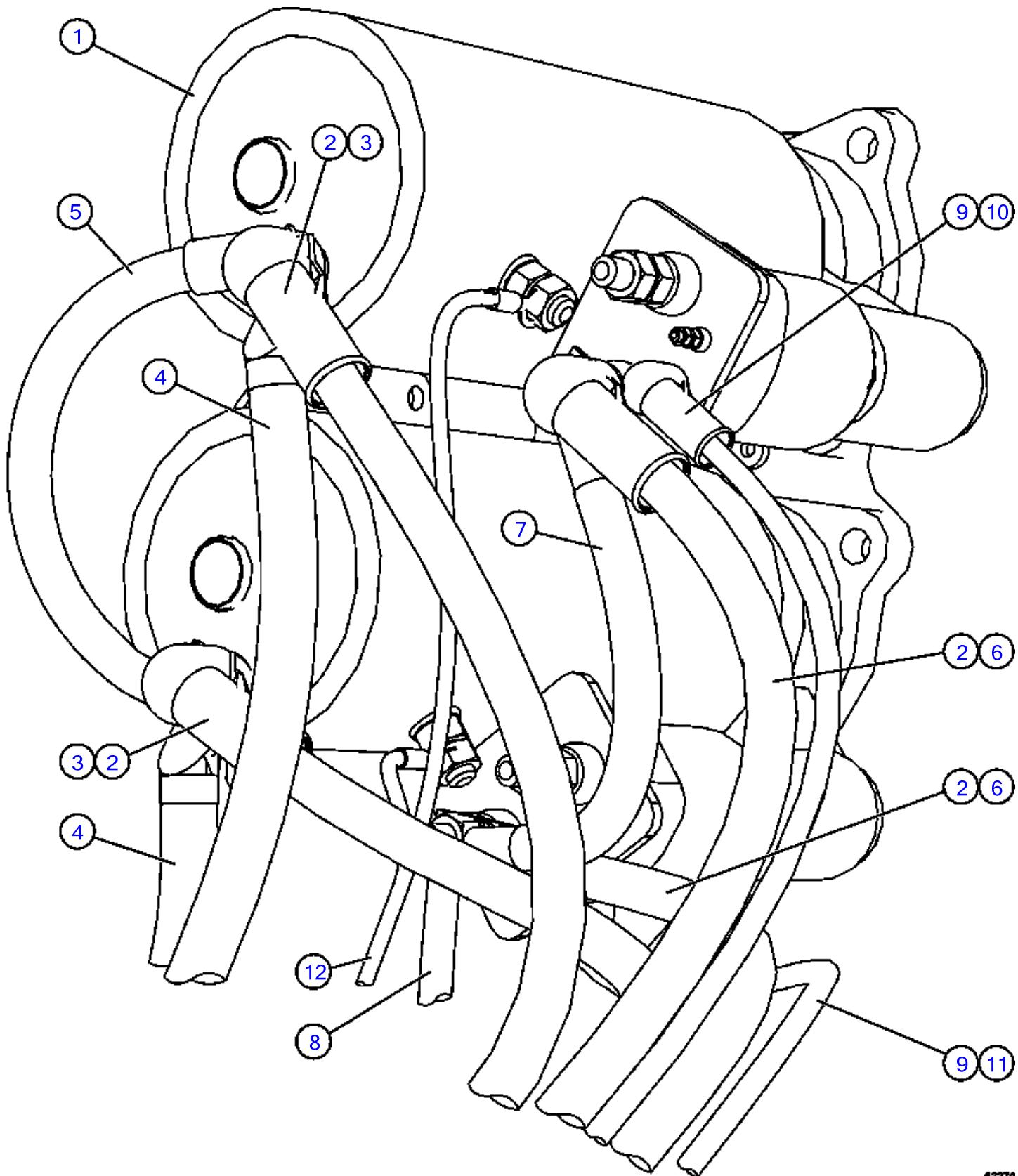
62269

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA

### ALTERNATOR WIRING

Item	Part No	Description	Qty
1	CH5708	CABLE - BLACK	1
2	08038-00035	CAP, TERMINAL	2
3	CH5421	CABLE - RED	1
4	XA5867	ALTERNATOR, BATTERY CHARGING	1
5	EJ3891	CLAMP ASSEMBLY	5

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



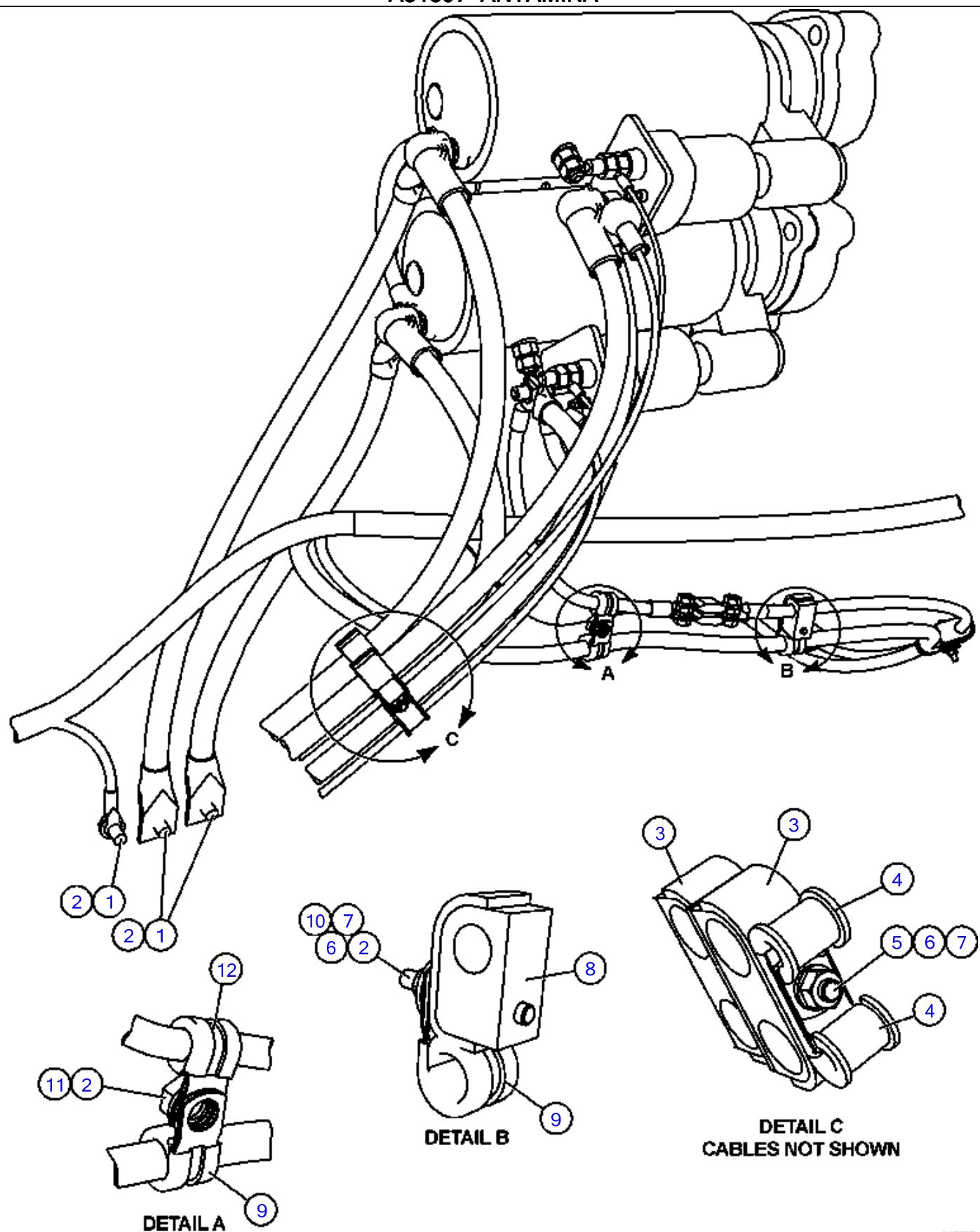
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## STARTING SYSTEM WIRING 1/4

Item	Part No	Description	Qty
1	XA3660	MOTOR, CRANKING	2
	09842-A0481	DECAL, JUMP START WARNING	2
2	08038-00035	CAP, TERMINAL	4
3	CH5415	CABLE - RED (TO BATTERY BOX)	2
4	CH4075	CABLE - BLACK (TO GROUND)	2
5	CH4503	CABLE - BLACK (TOP STARTER TO BOTTOM STARTER)	1
6	CH5701	CABLE - BLACK (TO BATTERY BOX)	2
7	CH4605	CABLE - RED (TOP STARTER TO BOTTOM STARTER)	1
8	EM6151	LINK, FUSABLE	1
	PC2252	• FUSE - 150 AMP	2
9	08038-04030	CAP, TERMINAL	2
10	CH4172	CABLE - RED (TO BATTERY BOX)	1
11	CH4173	CABLE - RED (TO BATTERY BOX)	1
12	EM6153	HARNESS, ENGINE	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

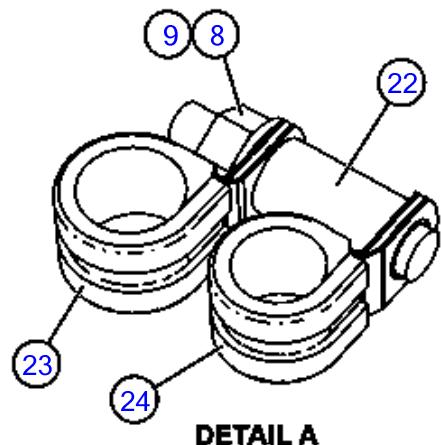
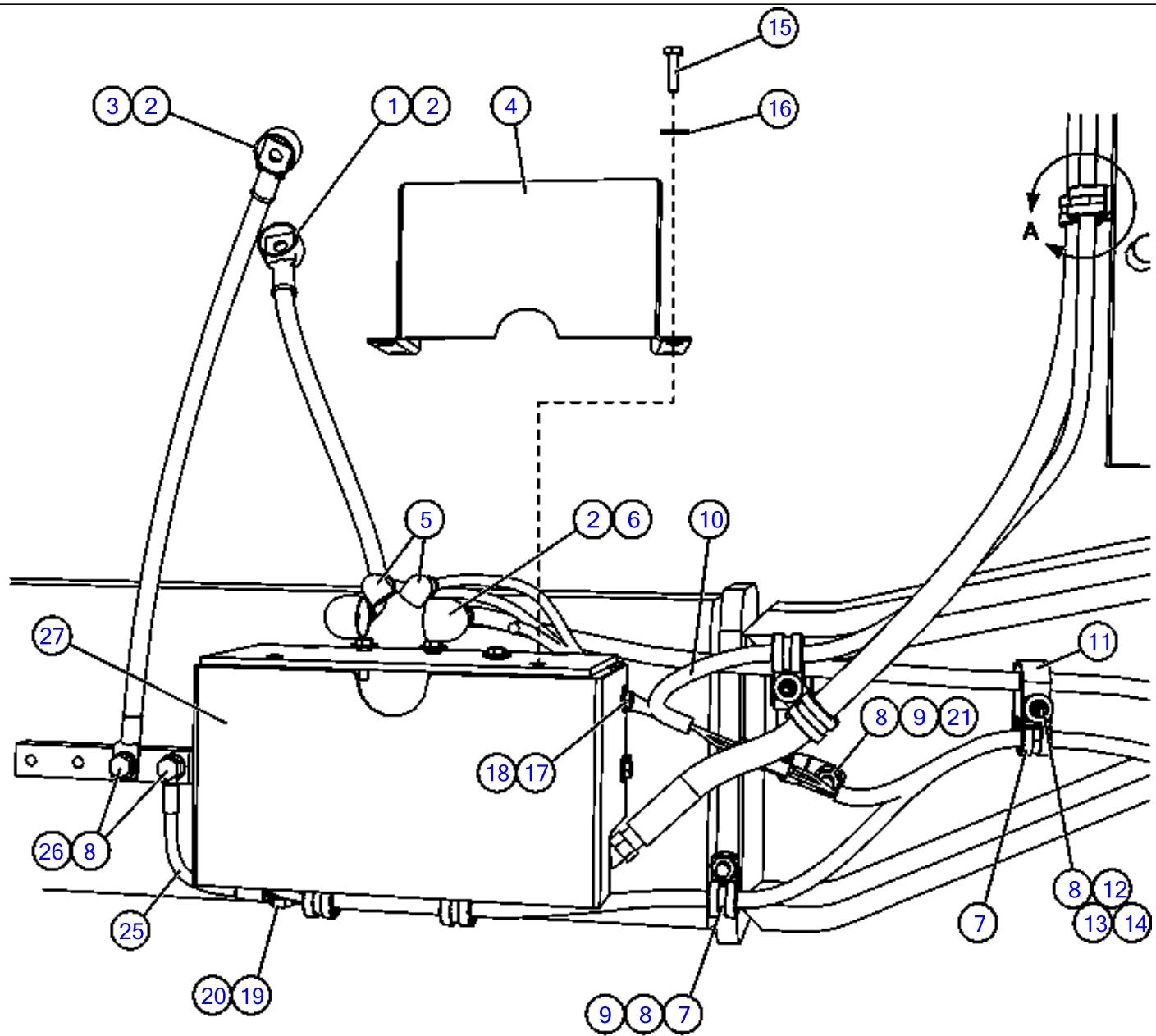


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## STARTING SYSTEM WIRING 2/4

Item	Part No	Description	Qty
1	MM0603	CAPSCREW - M10 X 1.50 X 16	3
2	MM0461	FLAT WASHER - M10	10
3	EJ3891	CLAMP ASSEMBLY	16
4	SP7846	CLAMP, CUSHIONED - 5/16"	16
5	EJ3892	ROD, THREADED	8
6	DC3584	LOCKWASHER - 1/4"	14
7	MM0176	NUT - M6 X 1.00	14
8	EK7154	CLAMP	6
9	WB1300	CLAMP, CUSHIONED - 5/8"	7
10	EM3364	ROD, THREADED - M6 X 1.00 X 50	6
11	MM0178	NUT - M10 X 1.50	1
12	WB3097	CLAMP, CUSHIONED - 1/2"	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

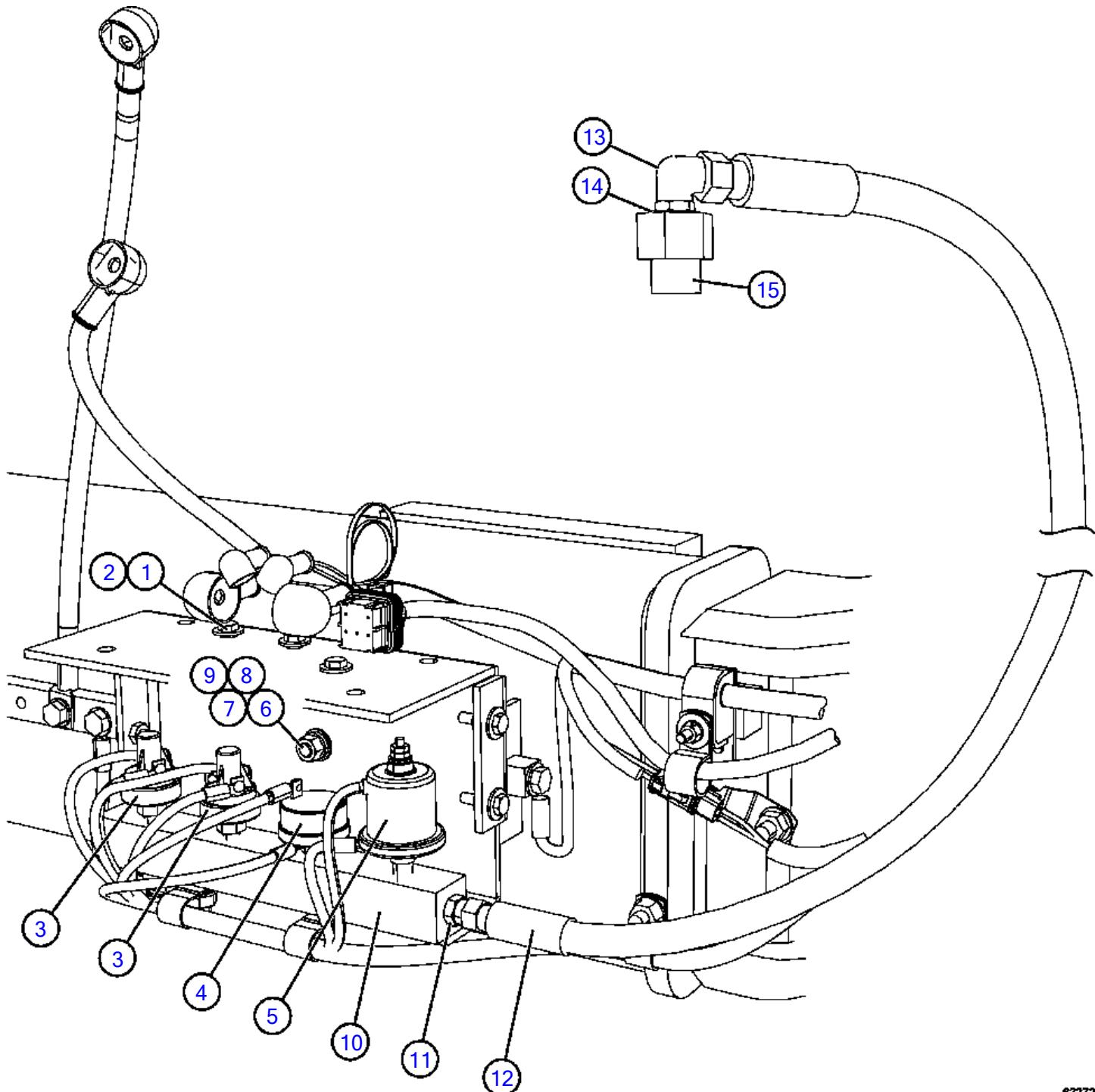


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## STARTING SYSTEM WIRING 3/4

Item	Part No	Description	Qty
1	CH4452	CABLE - RED	1
2	08038-02027	CAP, TERMINAL	4
3	CH4327	CABLE - BLACK	1
4	XB9062	COVER (PRELUBE TIMER & RELAY)	1
5	08038-00519	CAP, TERMINAL	2
6	EM6151	LINK, FUSABLE	1
7	WB1300	CLAMP, CUSHIONED - 5/8"	4
8	MM0461	FLAT WASHER - M10	5
9	MM0178	NUT - M10 X 1.50	3
10	EM6152	HARNESS, PRE LUBE	1
11	EK7154	CLAMP	2
12	EM3364	ROD, THREADED - M6 X 1.00 X 50	2
13	MM0459	FLAT WASHER - M6	2
14	MM0176	NUT - M6 X 1.00	2
15	TR1306	CAPSCREW - 1/4" - 20NC X 1"	4
16	SP8417	FLAT WASHER - 1/4"	4
17	TD1809	CAPSCREW - 1/4" - 20NC X 3/4"	4
18	SP8417	FLAT WASHER - 1/4"	4
19	TC1234	CAPSCREW - 3/8" - 16NC X 3/4"	1
20	TR4436	FLAT WASHER - 3/8"	1
21	08193-21012	CLIP	1
22	EM1398	SPACER	3
23	WB3092	CLAMP, CUSHIONED - 7/8"	3
24	WB1303	CLAMP, CUSHIONED - 3/4"	3
25	CH3423	CABLE	1
26	MM0036	CAPSCREW - M10 X 1.50 X 20	2
27	EJ5625	COVER	1
NS		NOTE: NS = NOT SHOWN	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



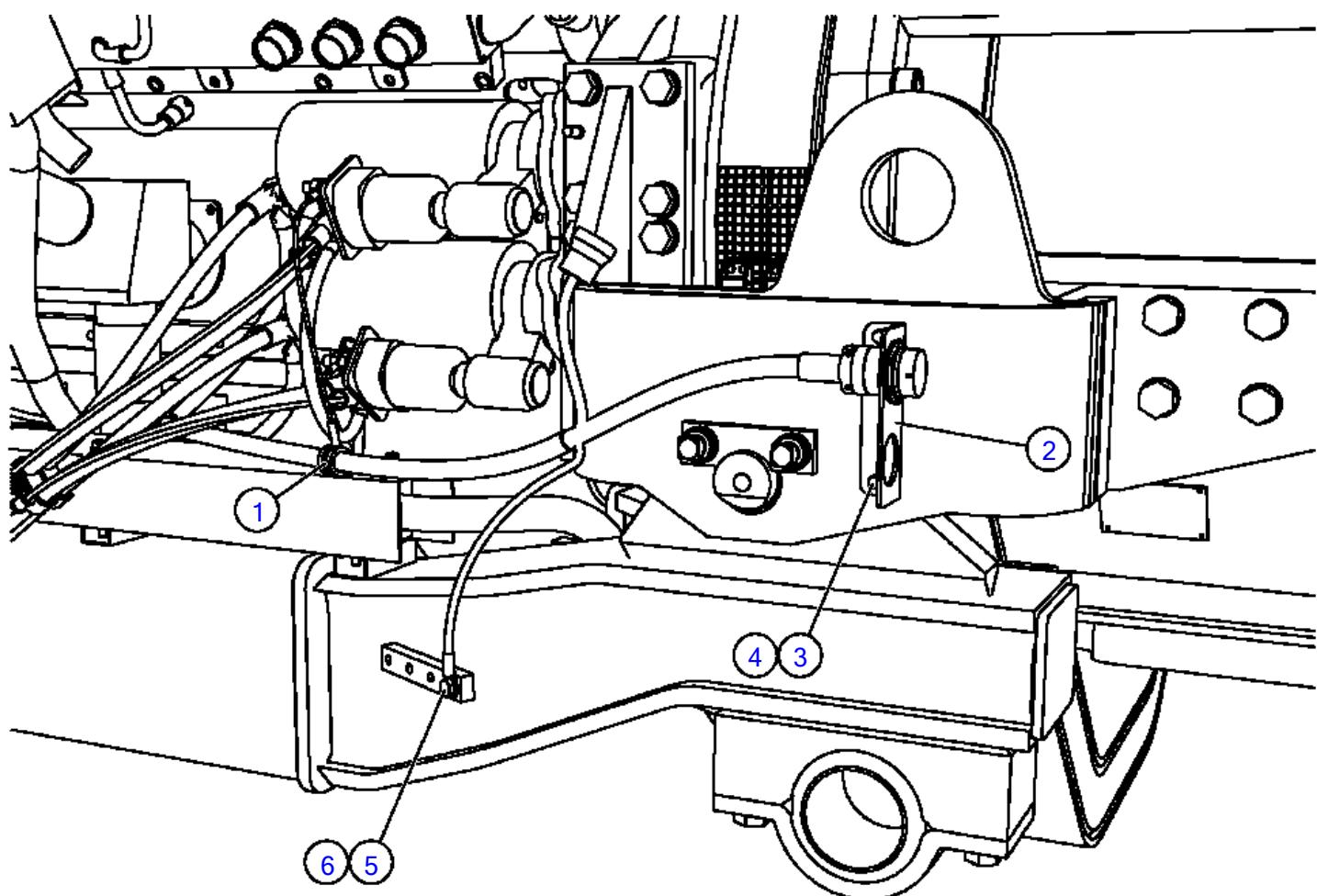
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AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## STARTING SYSTEM WIRING 4/4

Item	Part No	Description	Qty
1	TD1809	CAPSCREW - 1/4" - 20NC X 3/4"	3
2	SP8417	FLAT WASHER - 1/4"	3
3	SG3290	SWITCH, PRESSURE (ENGINE OIL)	2
4	VZ0589	SWITCH, PRESSURE (ENGINE OIL)	1
5	PC3308	SENDER, PRESSURE	1
6	C1521	NUT - 3/8" - 16NC	3
7	C0312	LOCKWASHER - 3/8"	3
8	DF3042	FLAT WASHER - 3/8"	3
9	PC1000	MOUNT, RUBBER	3
10	EM3810	BRACKET, MANIFOLD	1
11	WB0456	FITTING, STRAIGHT	1
12	HA0188	HOSE	1
13	PC0843	ADAPTER	1
14	PC0119	SEAL, ADAPTER	1
15	PC2773	REDUCER	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

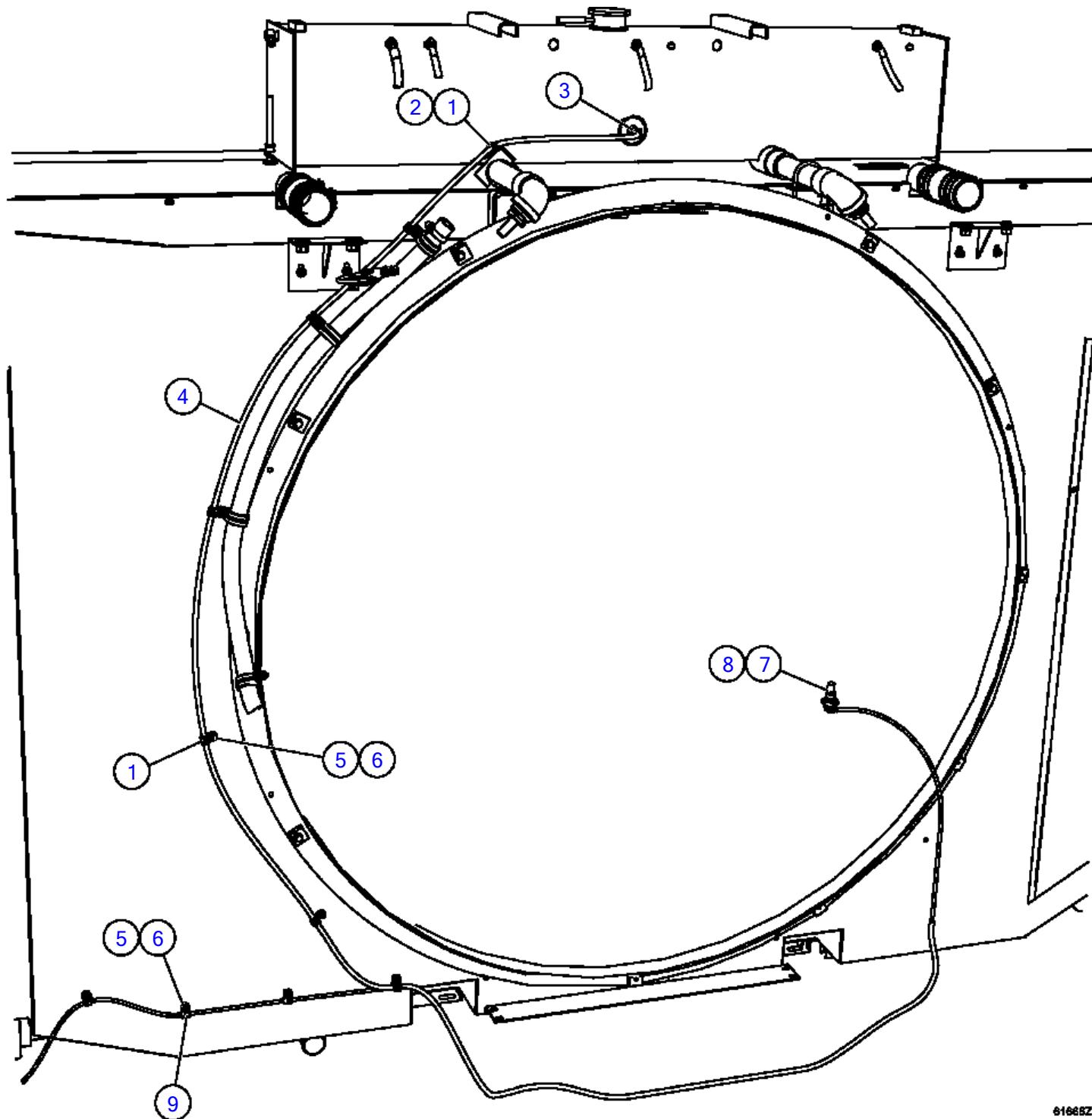


616672

**AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA**  
**ENGINE WIRING**

Item	Part No	Description	Qty
1	WB3092	CLAMP, CUSHIONED - 7/8"	1
2	EH9890	BRACKET	1
3	MM0025	CAPSCREW - M6 X 1.00 X 20	2
4	MM0469	LOCKWASHER - M6	2
5	MM0603	CAPSCREW - M10 X 1.50 X 16	1
6	MM0461	FLAT WASHER - M10	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



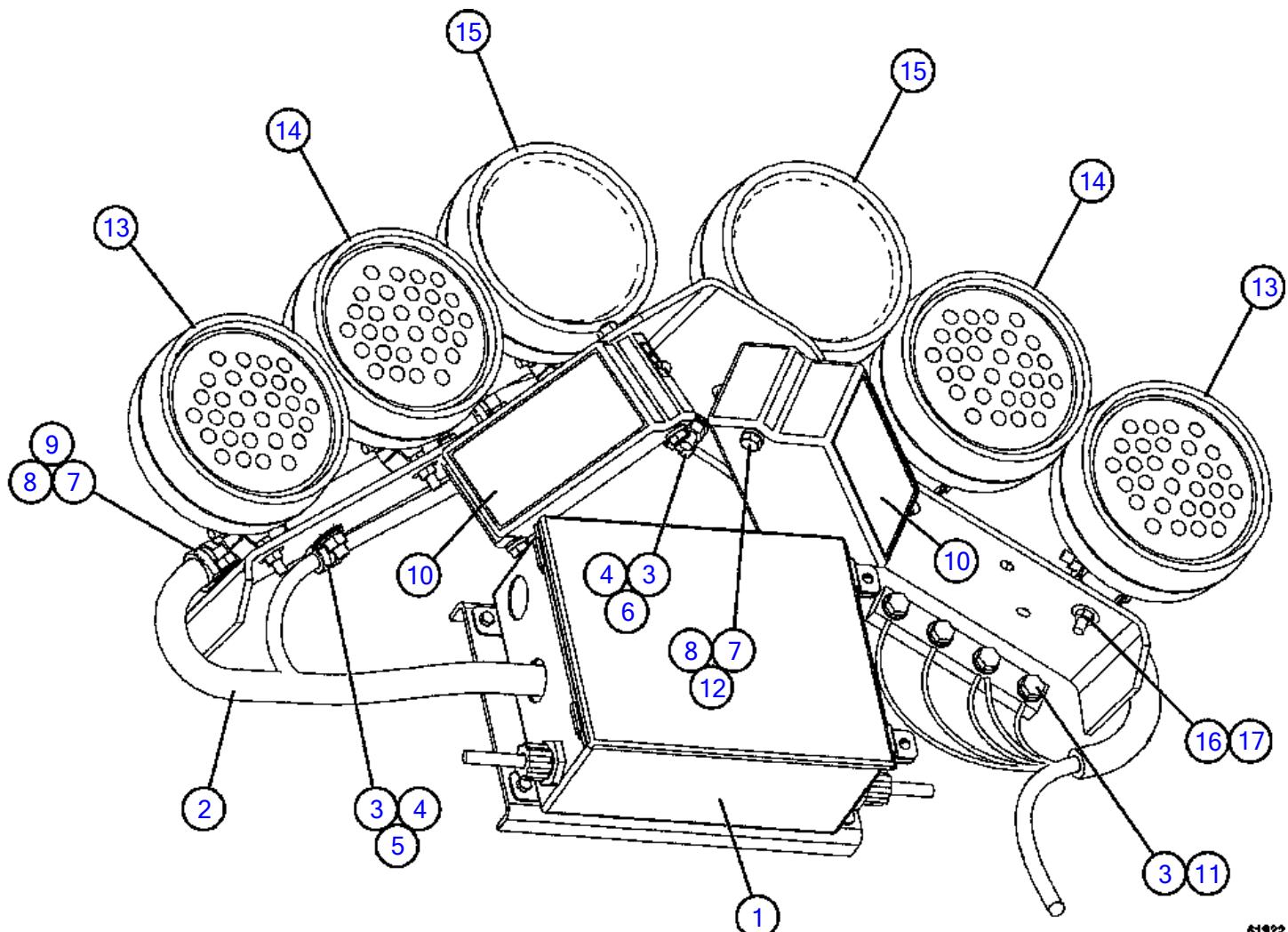
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AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### COOLING SYSTEM WIRING

Item	Part No	Description	Qty
1	WB3097	CLAMP, CUSHIONED - 1/2"	7
2	TV5829	CLAMP, CUSHION - 1/2"	1
3	XA3603	SWITCH, COOLANT LEVEL	1
	R0086	BUSHING, PIPE - 1/4" X 3/8"	1
4	EM6153	HARNESS, ENGINE	1
5	C1521	NUT - 3/8" - 16NC	10
6	DF3042	FLAT WASHER - 3/8"	10
7	PC0607	SENDER, TEMPERATURE	1
8	WB1185	WASHER	1
9	SP7846	CLAMP, CUSHIONED - 5/16"	3

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



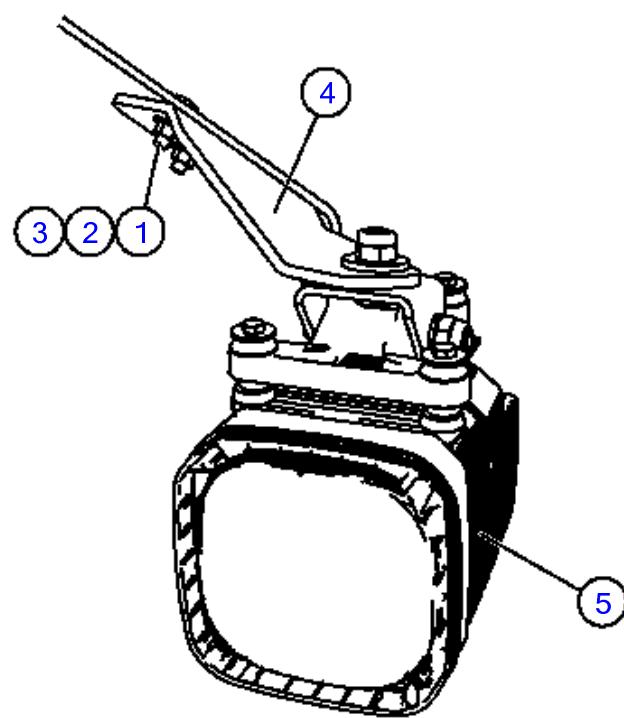
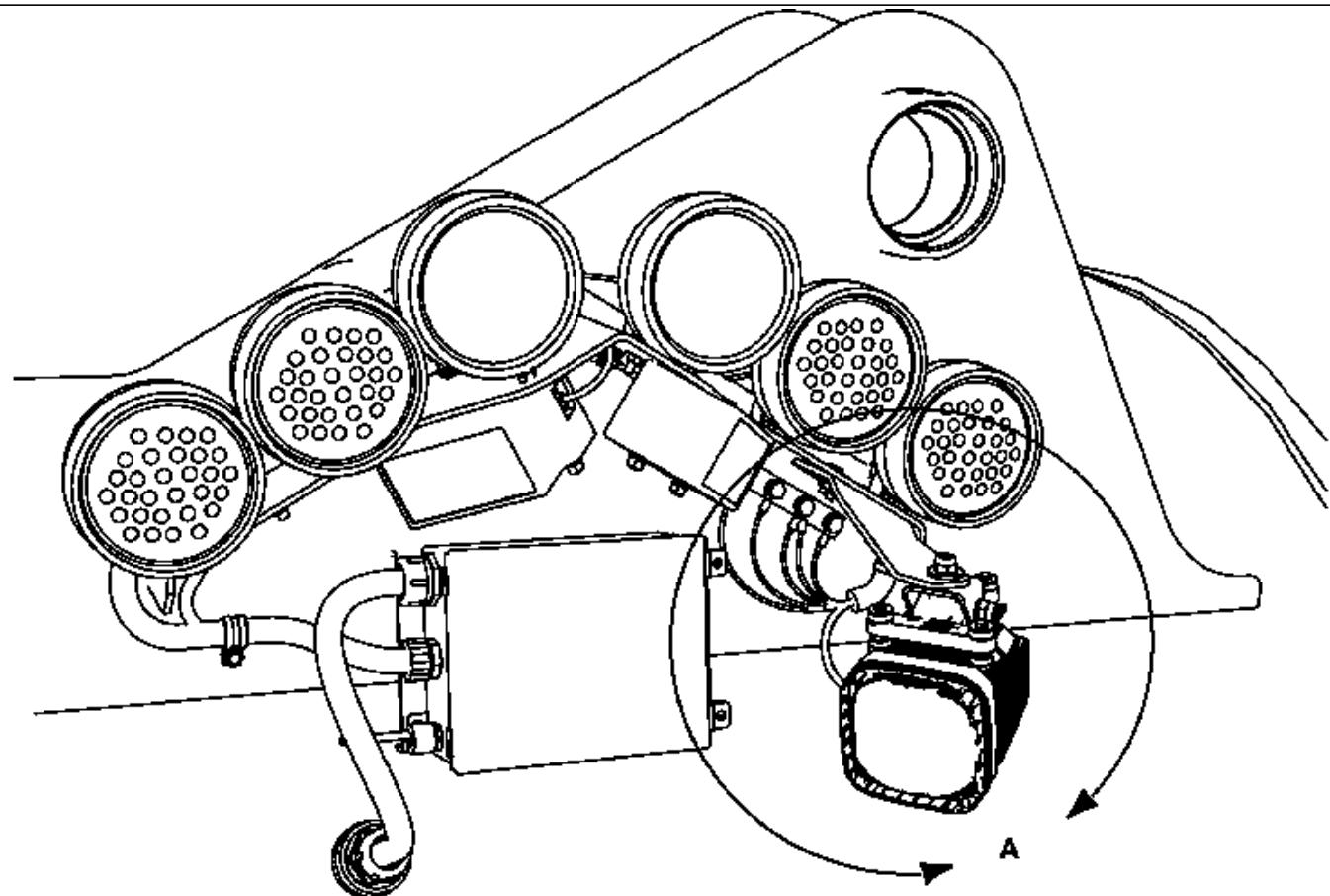
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## REAR LIGHTS & BACKUP ALARM

Item	Part No	Description	Qty	Page
1	XB5566	JUNCTION BOX ASSEMBLY - REAR (SEE INDEX)	1	416
2	XC2582	HARNESS, AXLE HOUSING	1	
3	MM0461	FLAT WASHER - M10	7	
4	MM0178	NUT - M10 X 1.50	3	
5	WB3097	CLAMP, CUSHIONED - 1/2"	2	
6	WB3098	CLAMP, CUSHIONED - 3/8"	1	
7	C0312	LOCKWASHER - 3/8"	8	
8	C1521	NUT - 3/8" - 16NC	8	
9	WB3093	CLAMP, CUSHIONED - 1"	4	
10	736131C2	ALARM, BACKUP	2	
11	MM0603	CAPSCREW - M10 X 1.50 X 16	4	
12	C5753	CAPSCREW - 3/8" - 16NC X 4"	4	
13	PC1913	LIGHT, LED - STOP/TAIL	2	
	AK4695	• LENS\REFLECTOR UNIT - RED	1	
	AK4705	• HOUSING ASSEMBLY - UNIVERSAL	1	
14	PC1914	LIGHT, LED - RETARD	2	
	AK4696	• LENS\REFLECTOR UNIT - AMBER	1	
	AK4704	• HOUSING ASSEMBLY - UNIVERSAL	1	
15	AK7513	BACKUP LIGHT ASSEMBLY (SEE FIG 42185)	2	
16	SP8708	LOCKWASHER - 5/16" (EXTERNAL - INTERNAL TOOTH)	6	
17	WA0385	NUT - 5/16" - 18NC	6	362

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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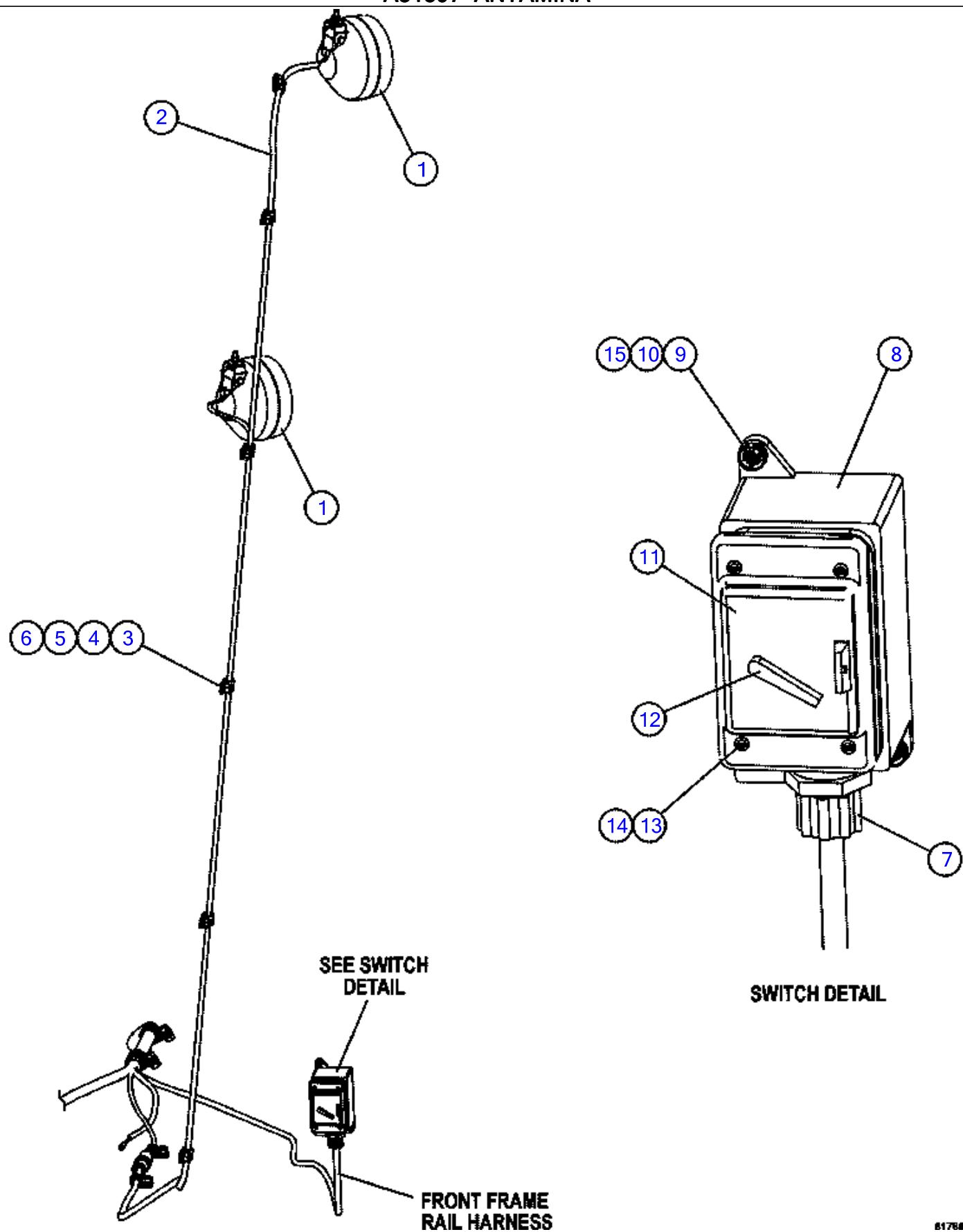


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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA

AXLE MOUNTED BACKUP LIGHT

Item	Part No	Description	Qty
1	C1598	CAPSCREW - 5/16" - 18NC X 1"	2
2	SP8708	LOCKWASHER - 5/16"	2
3	WA0385	NUT - 5/16" - 18NC	2
4	XB1761	PLATE, BENT	1
5	EM4520	LIGHT, HID (35W)	1

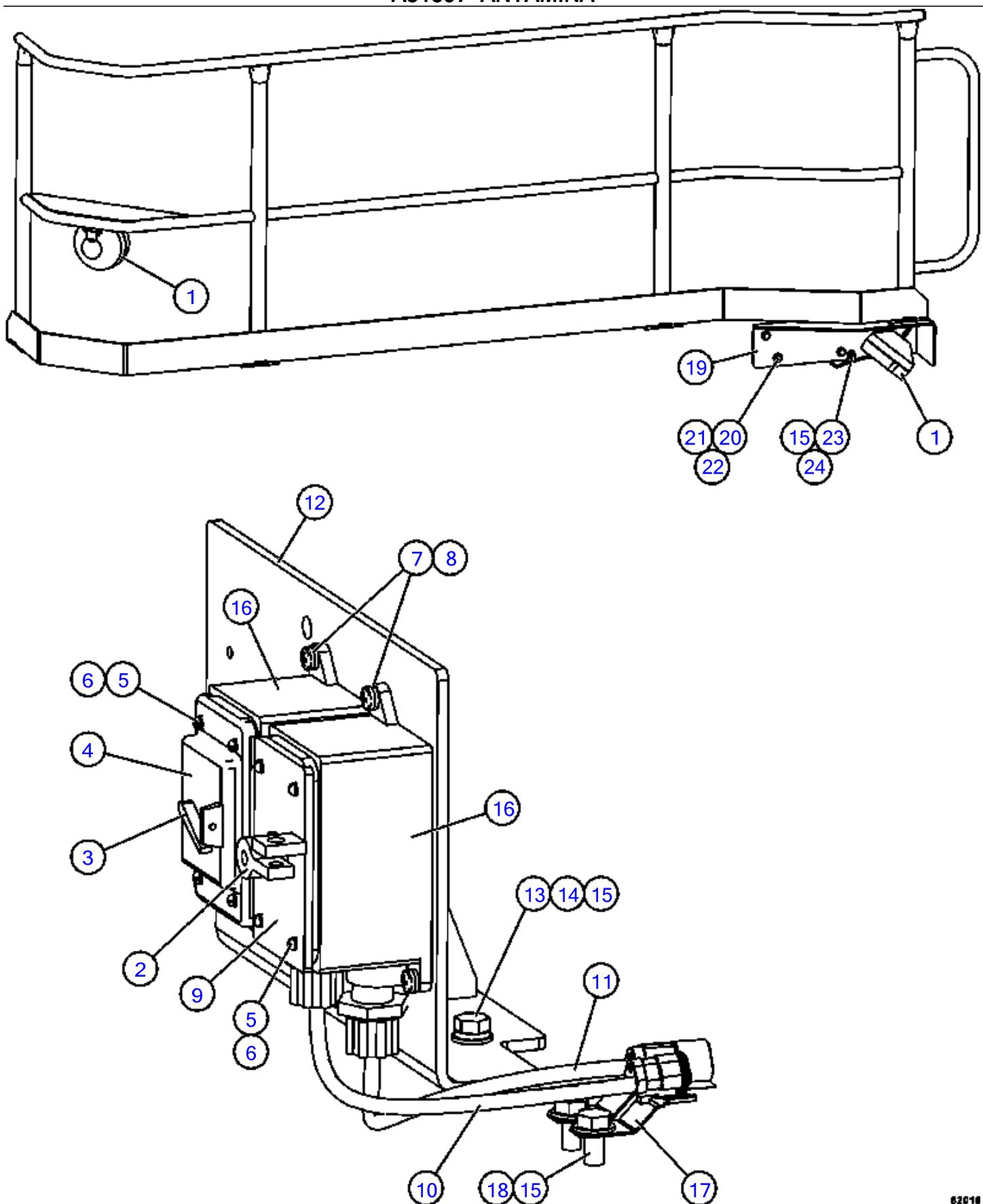
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A31597 ANTAMINA



**AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA  
 ENGINE BAY LIGHTS**

Item	Part No	Description	Qty	Page
1	AK7503	FLOODLIGHT ASSEMBLY (SEE FIG 42185)	2	362
2	EG0659	HARNESS, SERVICE LIGHTS	1	
3	WB3097	CLAMP, CUSHIONED - 1/2"	7	
4	MM0471	LOCKWASHER - M10	7	
5	MM0178	NUT - M10 X 1.50	7	
6	MM0713	FLAT WASHER - M10 (HARDENED)	18	
7	VM5737	CORD GRIP	1	
8	PB9072	CONDULET	1	
9	MM0358	MACHINE SCREW - M6 X 1.00 X 16	2	
10	MM0469	LOCKWASHER - M6	2	
11	VA2826	COVER, SWITCH	1	
12	VA2828	SWITCH, FLUSH	1	
13	VN7129	MACHINE SCREW - #6 - 32NC X 5/8"	4	
14	DF4944	LOCKWASHER - #6	4	
15	MM0459	FLAT WASHER - M6	2	
(QUANTITIES SHOWN ARE FOR ONE SIDE ONLY.)				

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

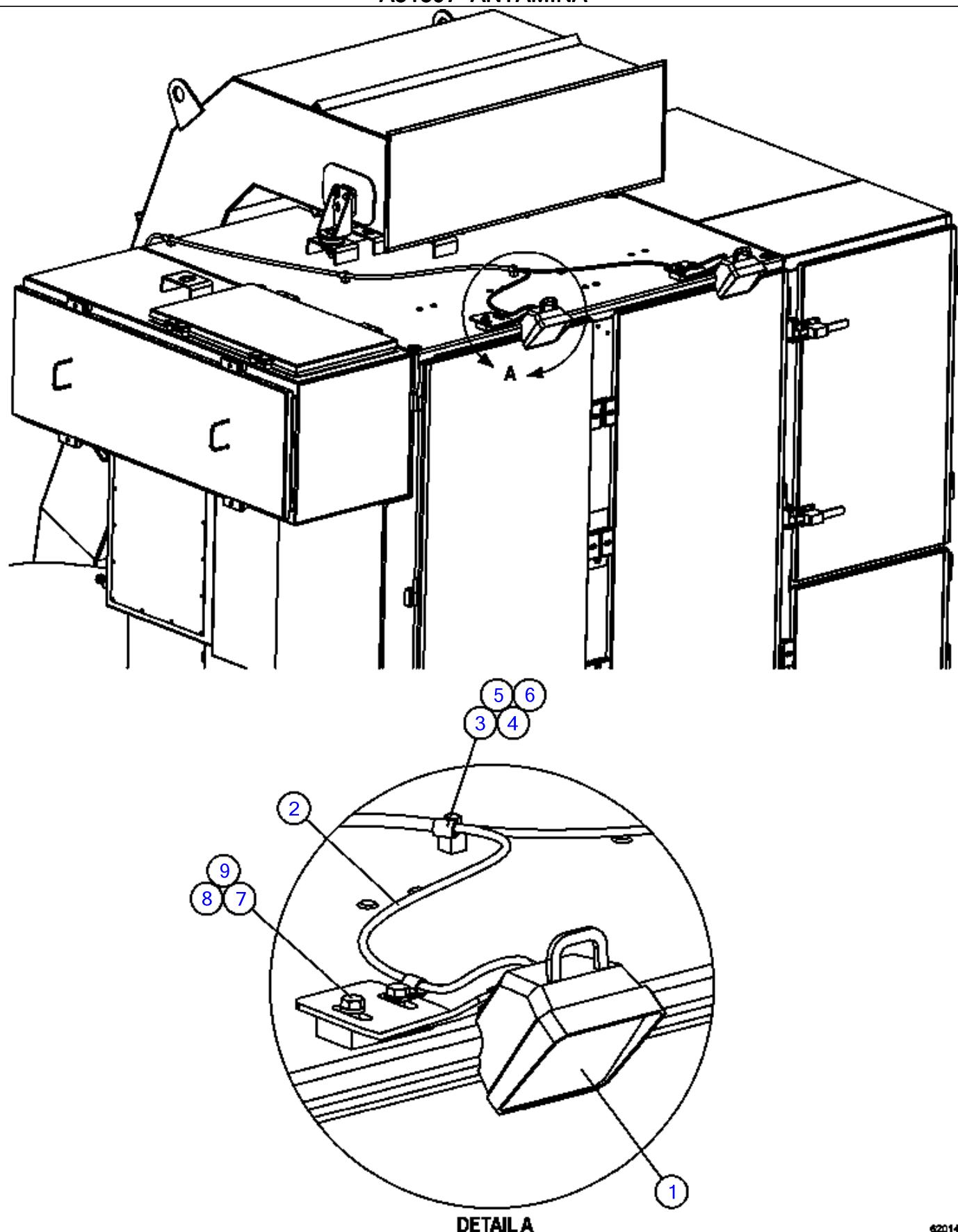


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### LADDER LIGHT/ENGINE SHUTDOWN SWITCHES

Item	Part No	Description	Qty	Page
1	AK7503	FLOODLIGHT ASSEMBLY (SEE FIG 42185)	2	362
	MM0593	CAPSCREW - M8 X 1.25 X 20 (1)	2	
2	PB8735	SWITCH, ENGINE SHUTDOWN	1	
3	VA2828	SWITCH, FLUSH	1	
4	VA2826	COVER, SWITCH	1	
5	VN7129	MACHINE SCREW - #6 - 32NC X 5/8"	8	
6	DF4944	LOCKWASHER - #6	8	
7	MM0358	MACHINE SCREW - M6 X 1.00 X 16	4	
8	MM0469	LOCKWASHER - M6	4	
9	TZ0880	COVER, SWITCH	1	
	PB4043	GASKET, RUBBER	1	
10	EM2230	HARNESS, JUMPER - LADDER LIGHT SWITCH	1	
11	EM2231	HARNESS, JUMPER - ENGINE SHUTDOWN SWITCH	1	
12	XB5170	BRACKET, SWITCH MOUNT	1	
13	MM0605	CAPSCREW - M10 X 1.50 X 25	2	
14	MM0471	LOCKWASHER - M10	2	
15	MM0461	FLAT WASHER - M10	5	
16	PB9072	CONDULET	2	
17	08193-20012	CLIP	2	
18	MM0604	CAPSCREW - M10 X 1.50 X 20	2	
19	EM3855	BRACKET	1	
20	MM0626	CAPSCREW - M12 X 1.75 X 90	4	
21	MM0714	FLAT WASHER - M12	8	
22	MM0694	LOCKNUT - M12 X 1.75	4	
23	WB1301	CLAMP, CUSHIONED - 1/4"	1	
24	MM0178	NUT - M10 X 1.50	1	
NS		NOTE: (1) NOT INCLUDED WITH AK7503 FLOODLIGHT. ORIGINAL MOUNTING CAPSCREW IS TOO LONG.		
NS				

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

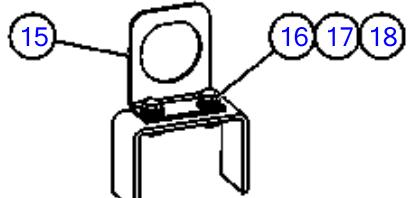
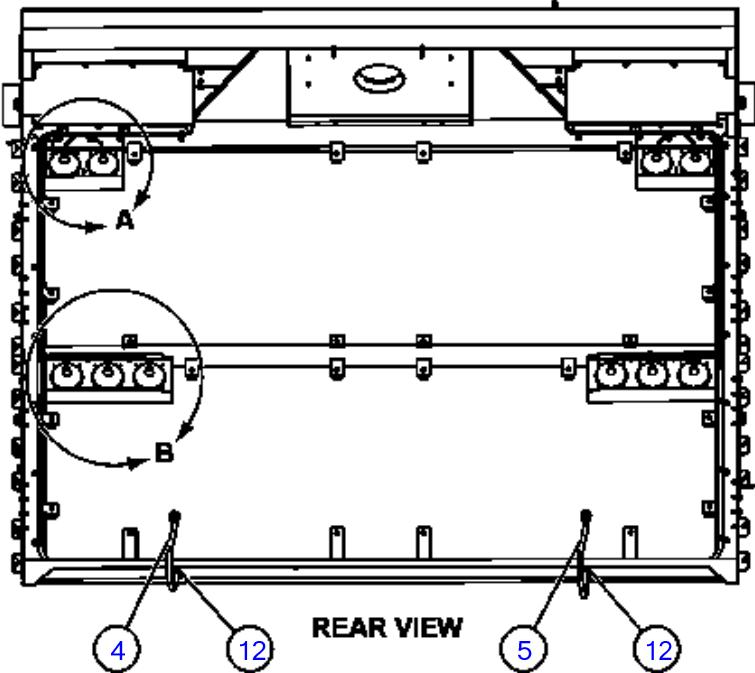
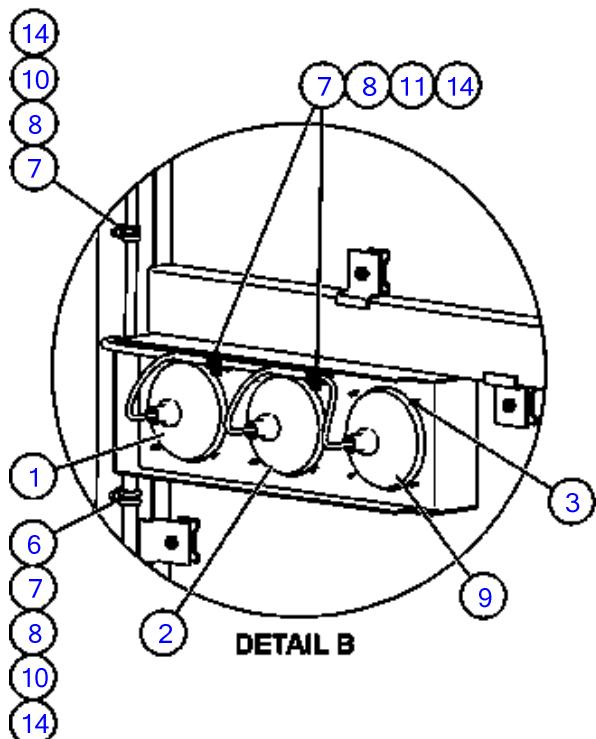
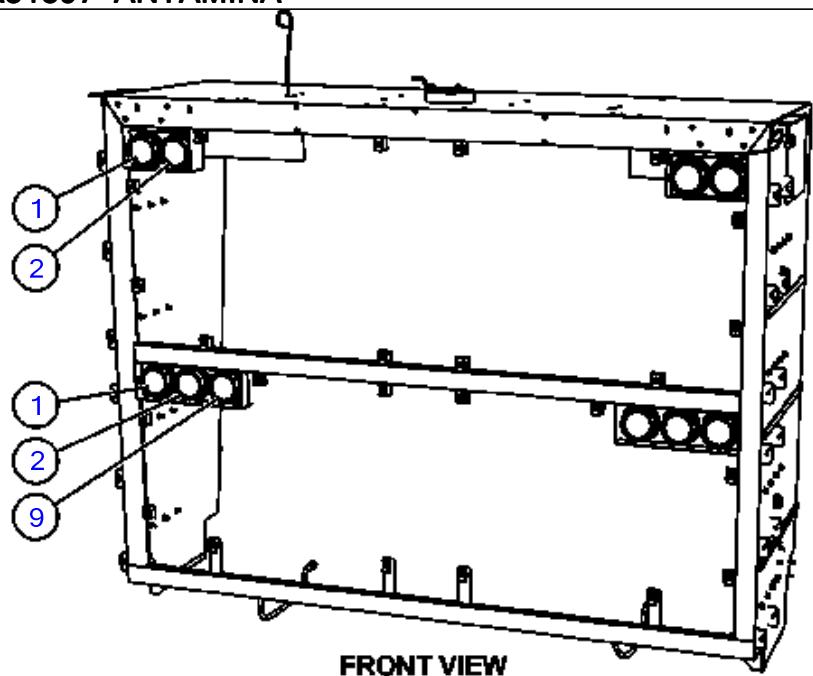
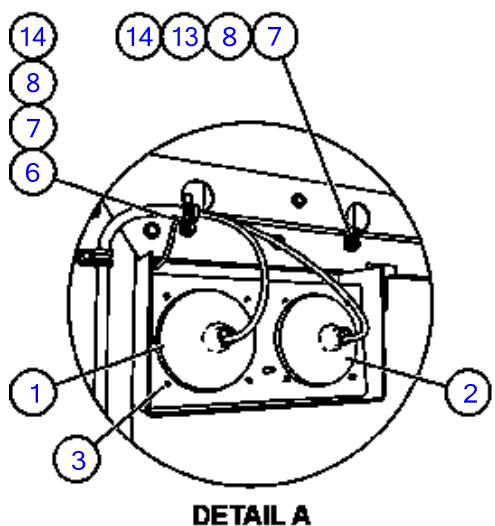


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## CONTROL CABINET SERVICE LIGHTS

Item	Part No	Description	Qty
1	AK4619	LIGHT, SERVICE	2
2	XB5398	HARNESS, CONTROL CABINET SERVICE LIGHTS	1
3	XB0477	BRACKET	2
4	VC1387	CAPSCREW - 1/2" - 13NC X 1"	4
5	TR5445	LOCKWASHER - 1/2"	4
6	WB3097	CLAMP, CUSHIONED - 1/2"	11
7	H8524	CAPSCREW - 3/8" - 16NC X 5/8"	3
8	TC1231	LOCKWASHER - 3/8"	3
9	TR4436	FLAT WASHER - 3/8"	3

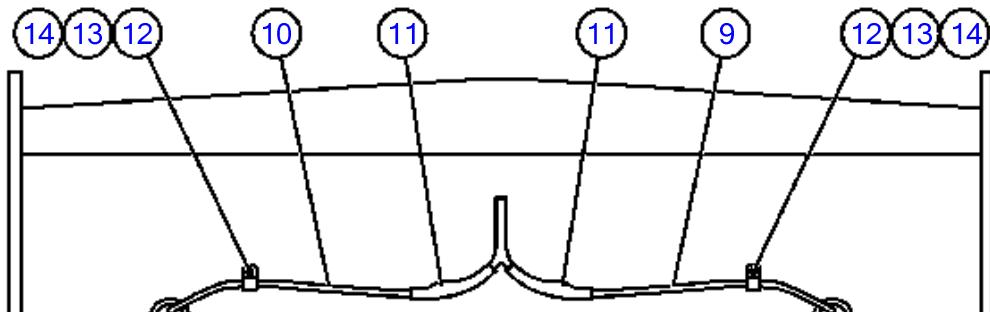
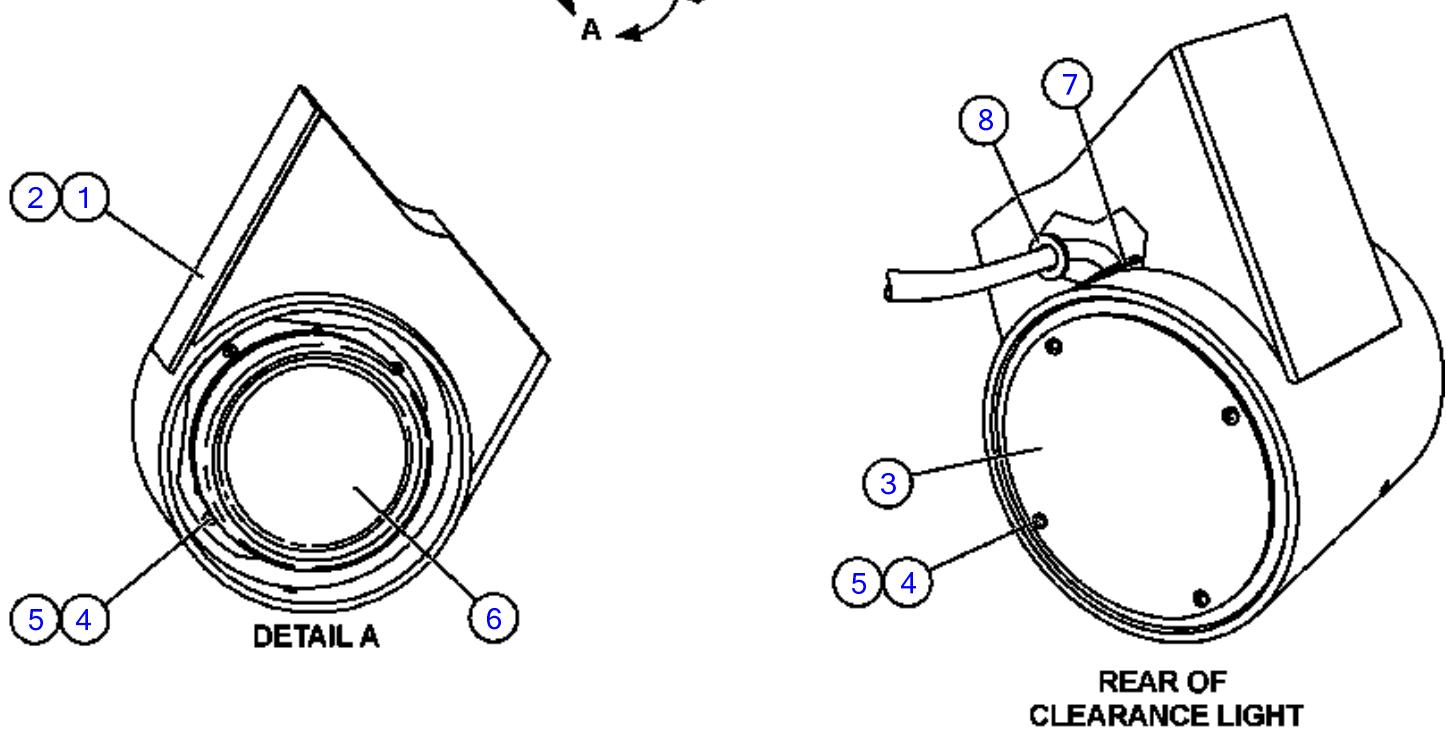
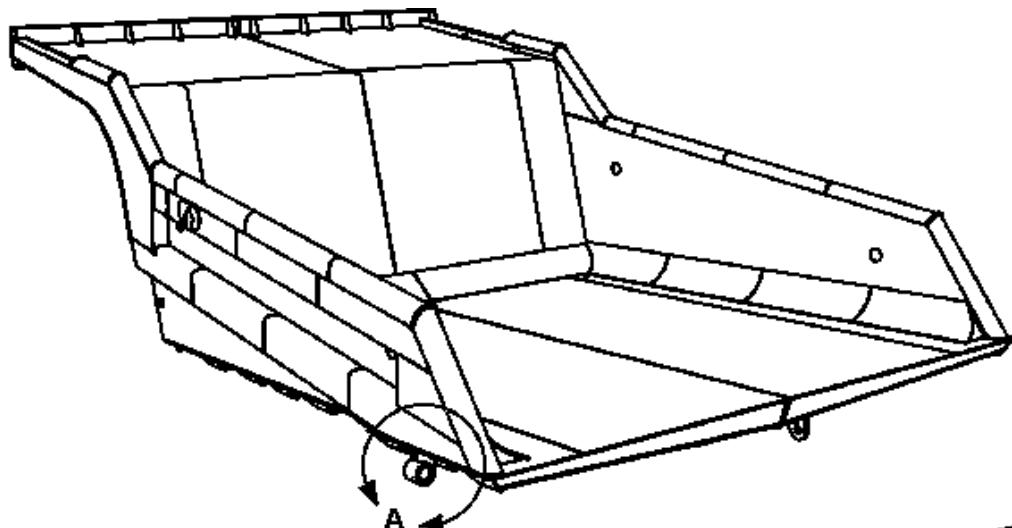
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A31597 ANTAMINA



**AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA**  
**HEADLIGHT/FOG LIGHT**

Item	Part No	Description	Qty	Page
1	EM3268	HEADLIGHT ASSEMBLY - LOW BEAM (SEE FIG 62251)	4	360
2	EM3267	HEADLIGHT ASSEMBLY - HIGH BEAM (SEE FIG 62251)	4	360
3	WB3524	SCREW, HEX HEAD - #12 - 14NC X 3/4"	40	
4	XB3256	HARNESS, GRILLE - L.H.	1	
5	XB3257	HARNESS, GRILLE - R.H.	1	
6	WB1304	CLAMP, CUSHIONED - 9/16"	12	
7	MM0178	NUT - M10 X 1.50	28	
8	MM0461	FLAT WASHER - M10	28	
9	EM3269	FOG LIGHT ASSEMBLY (SEE FIG 62251)	2	360
10	WB1300	CLAMP, CUSHIONED - 5/8"	18	
11	WB3097	CLAMP, CUSHIONED - 1/2"	4	
12	WB0810	GROMMET	2	
13	WB3098	CLAMP, CUSHIONED - 3/8"	4	
14	MM0471	LOCKWASHER - M10	28	
15	EJ8368	BRACKET, GRILLE HARNESS SOCKET	2	
16	MM0581	CAPSCREW - M6 X 1.00 X 16	4	
17	MM0469	LOCKWASHER - M6	4	
18	MM0459	FLAT WASHER - M6	4	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



HARNESS CLAMPING DETAIL  
BODY UndERSIDE

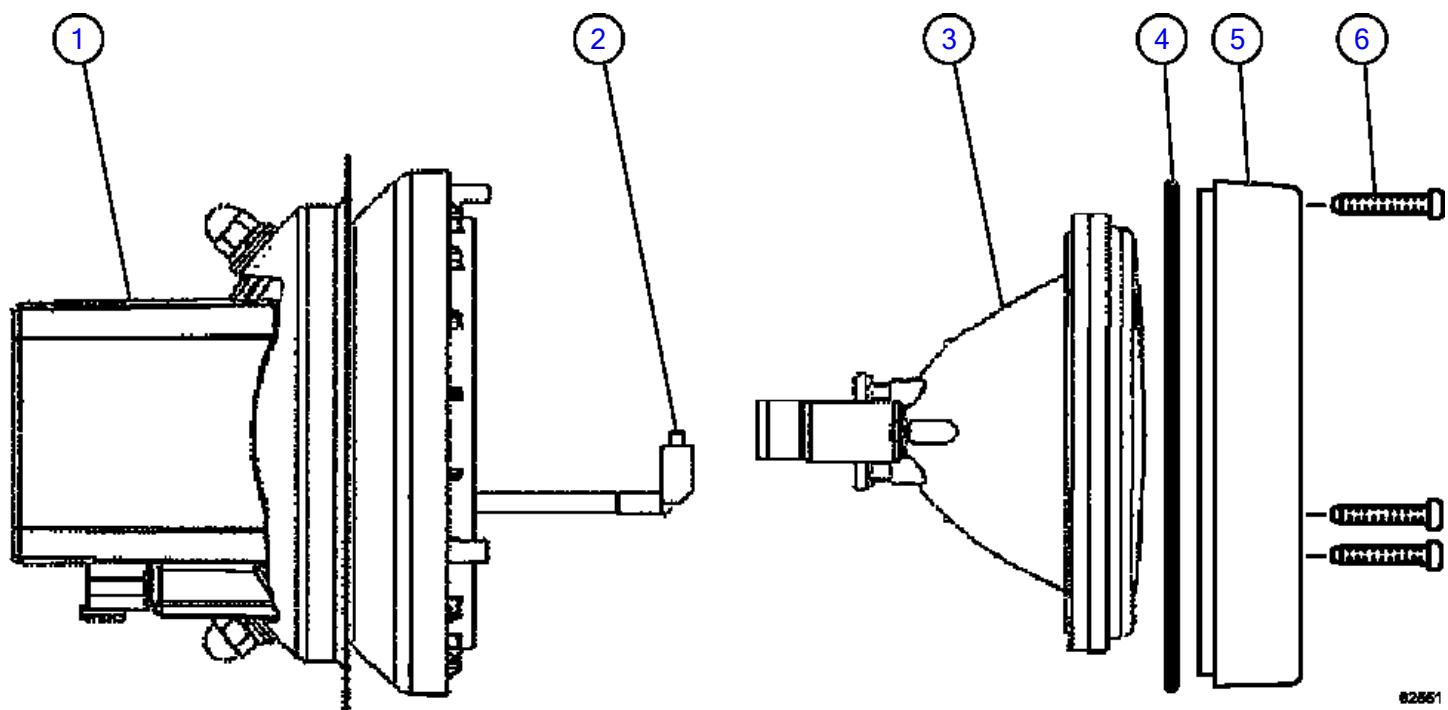
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### REAR TURN SIGNAL & CLEARANCE LIGHTS

Item	Part No	Description	Qty
1	EH5393	MOUNTING, CLEARANCE LIGHT - L.H.	1
2	EH5392	MOUNTING, CLEARANCE LIGHT - R.H.	1
3	EF2186	PLATE, COVER	2
4	VM1464	MACHINE SCREW - #10 - 24NC X 5/8"	16
5	DC3101	LOCKWASHER - #10	16
6	PC1866	LIGHT, CLEARANCE (LED)	2
	AK4697	• LENS/REFLECTOR UNIT - RED	1
	AK4703	• HOUSING, FLANGE	1
7	SL7366	GROMMET	2
8	TC5943	GROMMET	2
9	EL7470	HARNESS, BODY CLEARANCE LIGHT - R.H.	1
10	EL7471	HARNESS, BODY CLEARANCE LIGHT - L.H.	1
11	58F-06-40000	SLEEVE, INSULATION - 3/4" (12" LONG)	2
12	TG2562	CLAMP, VINYL - 1/2" I.D.	2
13	MM0461	FLAT WASHER - M10	2
14	MM0178	NUT - M10 X 1.50	2

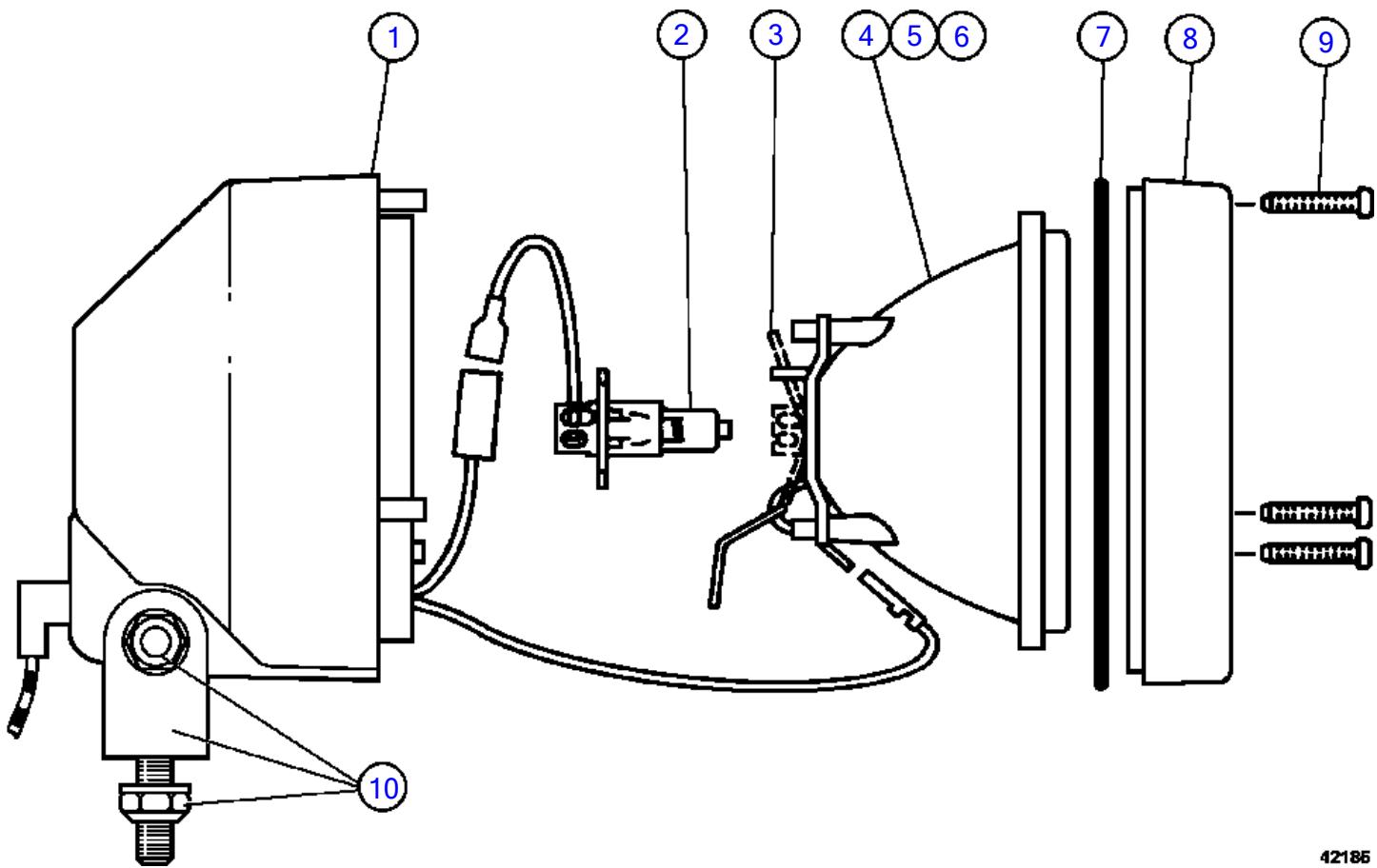
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A31597 ANTAMINA



**AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA**  
**LIGHT ASSEMBLY (HID)**

Item	Part No	Description	Qty
1	EM4514	FLANGE HOUSING ASSEMBLY W/ BALLAST	1
2	EM4515	BULB, LIGHT - 24V/35W	1
3	EM4511	LENS/REFLECTOR, HIGH BEAM (W/O BULB) (1)	1
	EM4512	LENS/REFLECTOR, LOW BEAM (W/O BULB) (2)	1
	EM4513	LENS/REFLECTOR, FOG - AMBER (W/O BULB) (3)	1
4	AK7556	GASKET	1
5	AK7559	BEZEL	1
6	AK7561	SCREW	3
NS		NOTE: (1) INCLUDED IN EM3267 HEADLIGHT ASSM (HIGH BEAM).	
NS		(2) INCLUDED IN EM3268 HEADLIGHT ASSM (LOW BEAM).	
NS		(3) INCLUDED IN EM3269 FOG LIGHT ASSEMBLY.	
NS		(ALL PARTS ARE COMMON, EXCEPT WHERE INDICATED.)	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



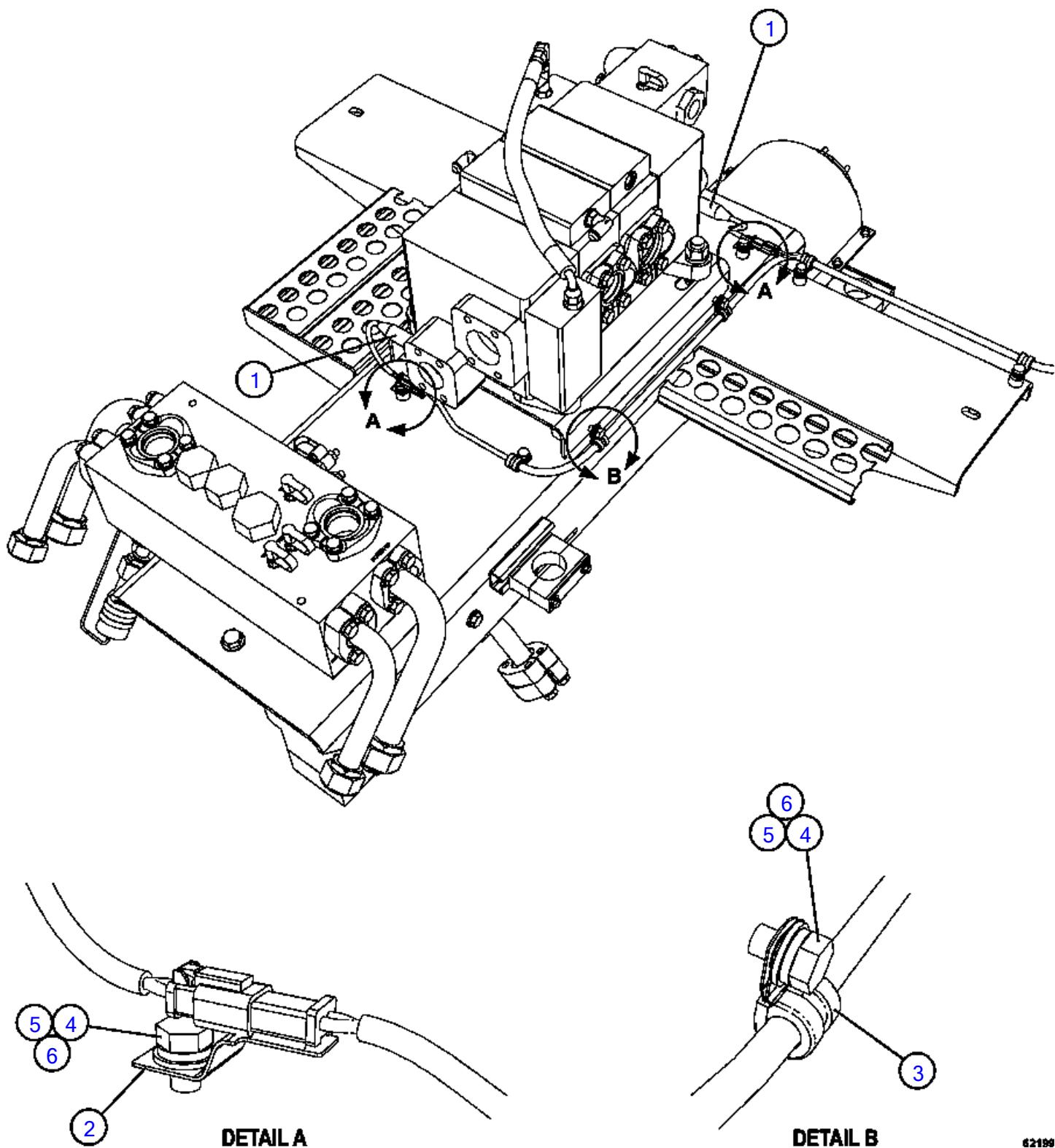
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AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### LIGHT ASSEMBLY (SUPER HALOGEN)

Item	Part No	Description	Qty
1	AK7552	HOUSING ASSEMBLY, UNIVERSAL	1
2	AK7575	BULB, LIGHT - 24V/65W (1)/(2)	1
	AK1284	BULB, LIGHT - 24V/100W (3)	1
3	AK7554	SPRING, BULB RETAINER	1
4	AK7534	LENS/REFLECTOR - CLEAR (WITHOUT BULB) (1)	1
5	AK3337	LENS/REFLECTOR - UNIT - CLEAR (WITHOUT BULB) (2)/(3)	1
6		(NOT USED IN THIS APPLICATION)	
7	AK7556	GASKET	1
8	AK7559	BEZEL	1
9	AK7561	SCREW	3
10	AK7560	KIT, HARDWARE	1
NS		NOTE: (1) INCLUDED IN AK7503 FLOOD LIGHT ASSM.	
NS		(2) INCLUDED IN AK7519 FLOOD (BACKUP) LIGHT ASSM.	
NS		(3) INCLUDED IN AK7513 FLOOD (BACKUP) LIGHT ASSM.	
NS		(ALL PARTS ARE COMMON, EXCEPT WHERE INDICATED.)	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

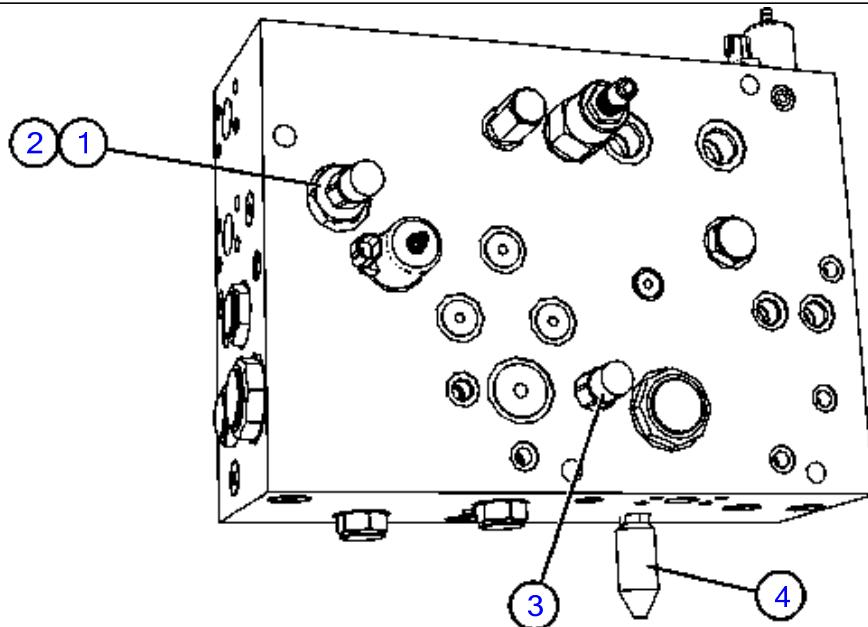


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
 A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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 A31597 ANTAMINA

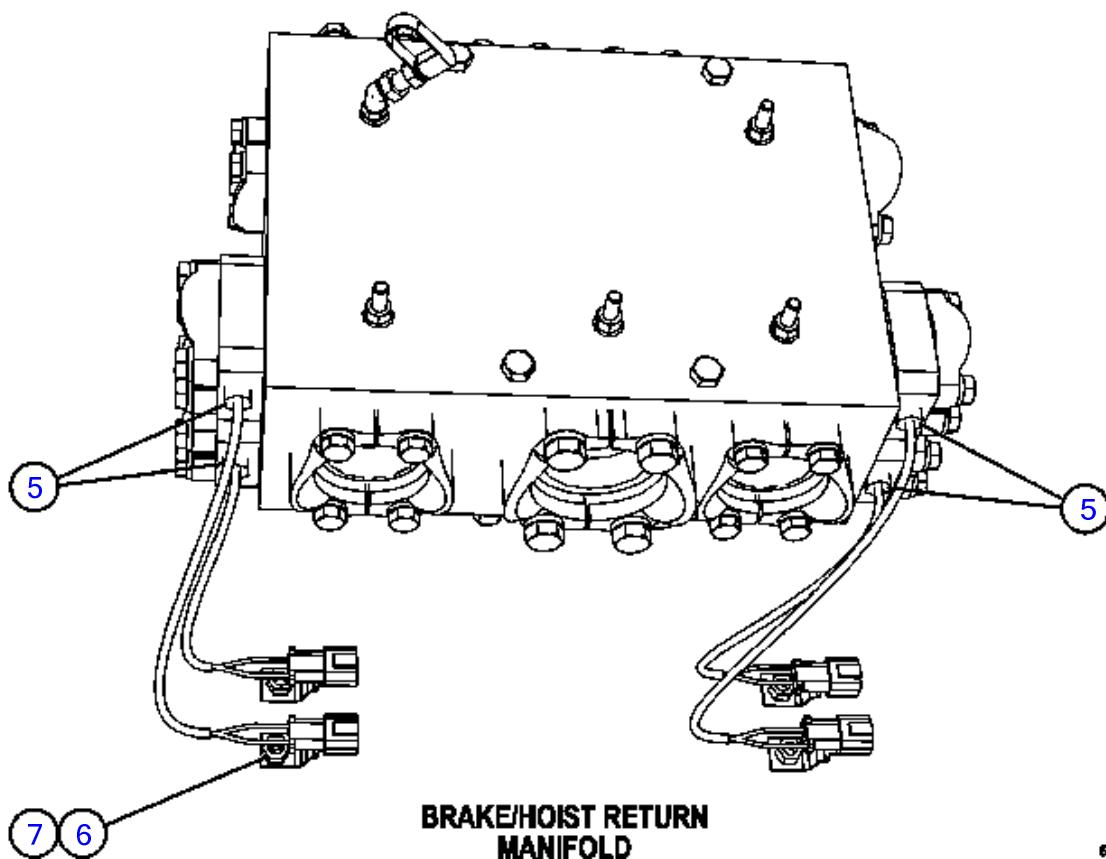
### HOIST/PUMP VALVE SENSOR INSTALLATION

Item	Part No	Description	Qty
1	PC1537	SENSOR, PRESSURE - 4000 PSI	2
2	08193-21012	CLIP	2
3	WB3097	CLAMP, CUSHIONED - 1/2"	5
4	MM0604	CAPSCREW - M10 X 1.50 X 20	7
5	MM0471	LOCKWASHER - M10	7
6	MM0461	FLAT WASHER - M10	7

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA



**BLEED DOWN  
MANIFOLD**



**BRAKE/HOIST RETURN  
MANIFOLD**

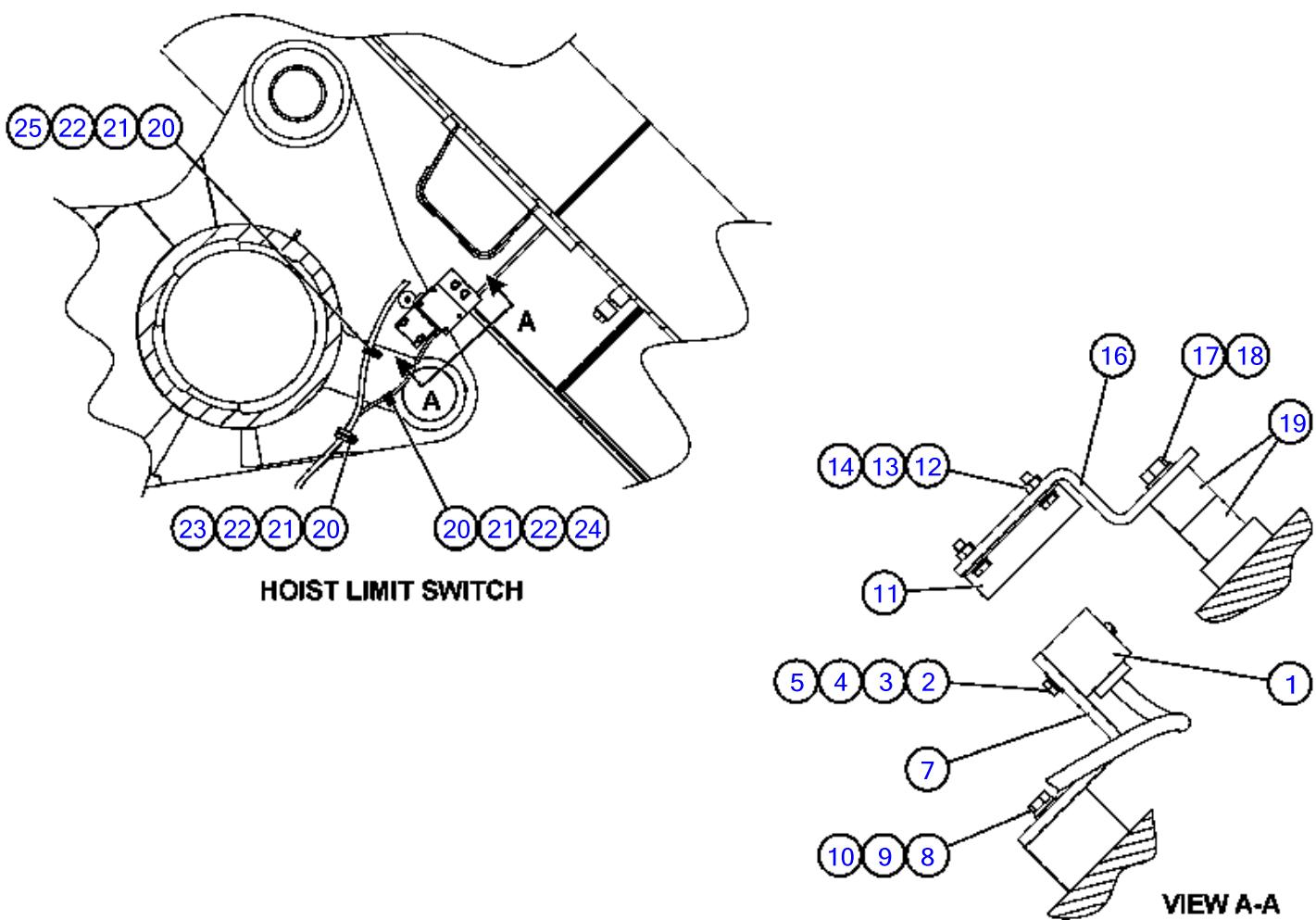
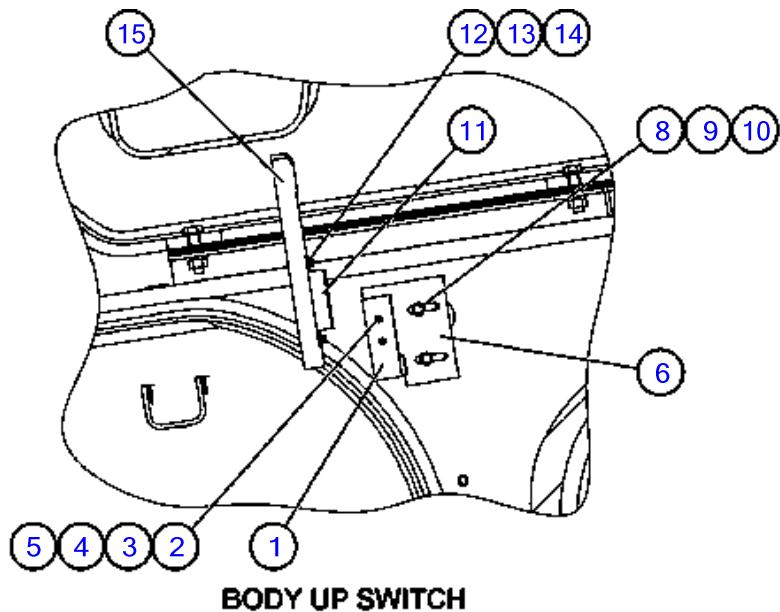
62198

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### MANIFOLD SWITCHES & SENSORS

Item	Part No	Description	Qty
1	PC2469	SWITCH, PRESSURE	1
2	PC2208	FITTING	1
3	PC2552	SWITCH, PRESSURE	1
4	PC1538	SENSOR, PRESSURE	1
5	7861-92-3320	SENSOR, TEMPERATURE	4
6	08053-01512	CLIP, CONNECTOR	4
7	MM0178	NUT - M10 X 1.50	8

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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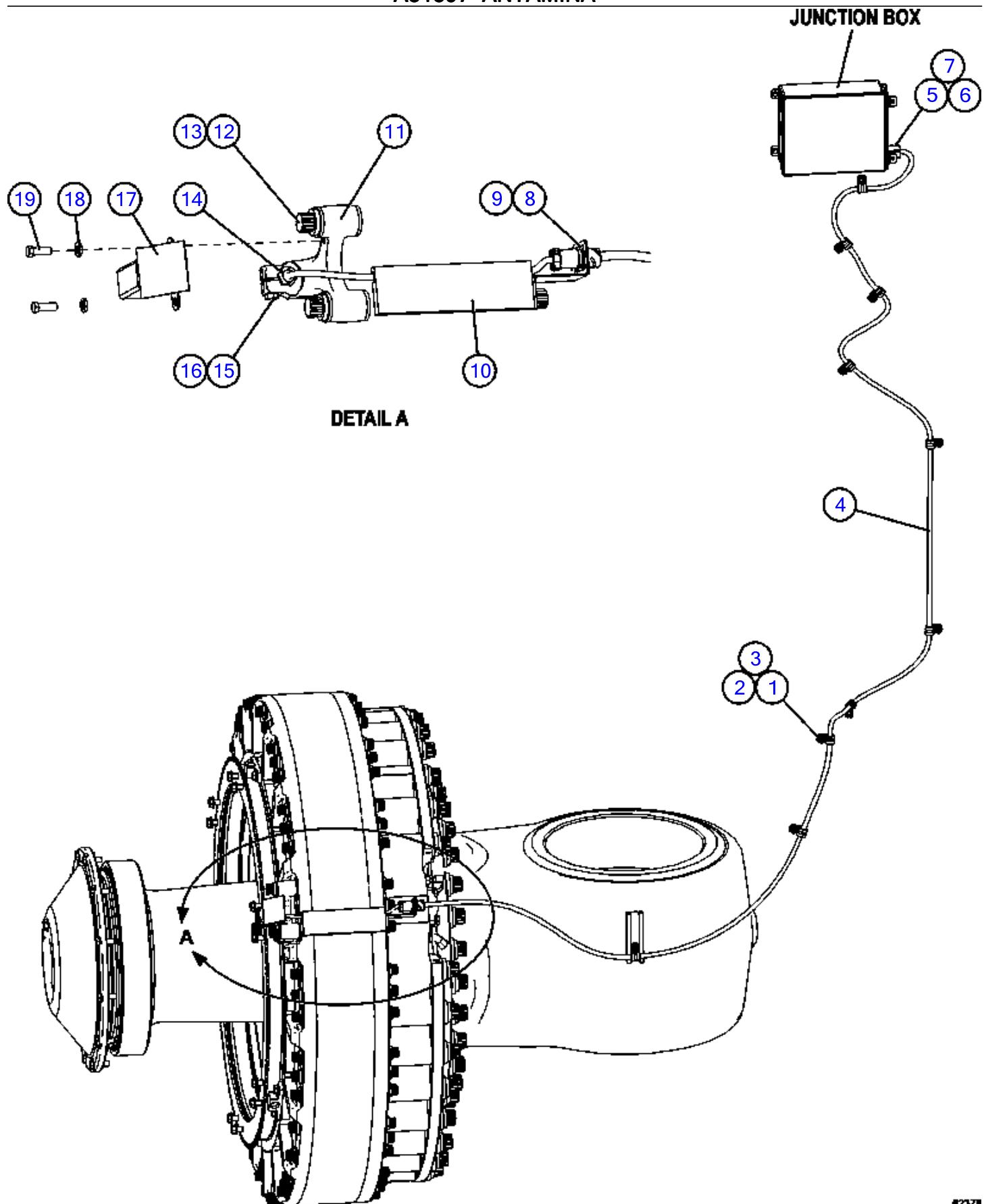


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### BODY UP & HOIST LIMIT SWITCH INSTALLATION

Item	Part No	Description	Qty
1	PC2818	SWITCH, PROXIMITY	2
2	WA4770	MACHINE SCREW - #10 - 24NC X 2"	4
3	VC5344	FLAT WASHER - #10	4
4	DC3101	LOCKWASHER - #10	4
5	DF0017	NUT - #10 - 24NC	4
6	XB2974	BRACKET, MOUNTING	1
7	XB3033	BRACKET, MOUNTING	1
8	TD0794	CAPSCREW - 5/16" - 18NC X 3/4"	4
9	TV0177	FLAT WASHER - 5/16"	4
10	SC4174	LOCKWASHER - 5/16"	4
11	PB9223	MAGNET ASSEMBLY	2
12	MM0582	CAPSCREW - M6 X 1.00 X 20	8
13	MM0459	FLAT WASHER - M6	8
14	MM0176	NUT - M6 X 1.00	8
15	XB2990	PLATE, BENT	1
16	XB0452	PLATE, BENT	1
17	MM0612	CAPSCREW - M10 X 1.50 X 70	2
18	MM0713	FLAT WASHER - M10 (HARDENED)	2
19	01572-21625	SEAT	4
20	MM0178	NUT - M10 X 1.50	3
21	MM0471	LOCKWASHER - M10	3
22	MM0461	FLAT WASHER - M10	3
23	WB3096	CLAMP, CUSHIONED - 1 1/4"	1
24	WB3098	CLAMP, CUSHIONED - 3/8"	1
25	WB3093	CLAMP, CUSHIONED - 1"	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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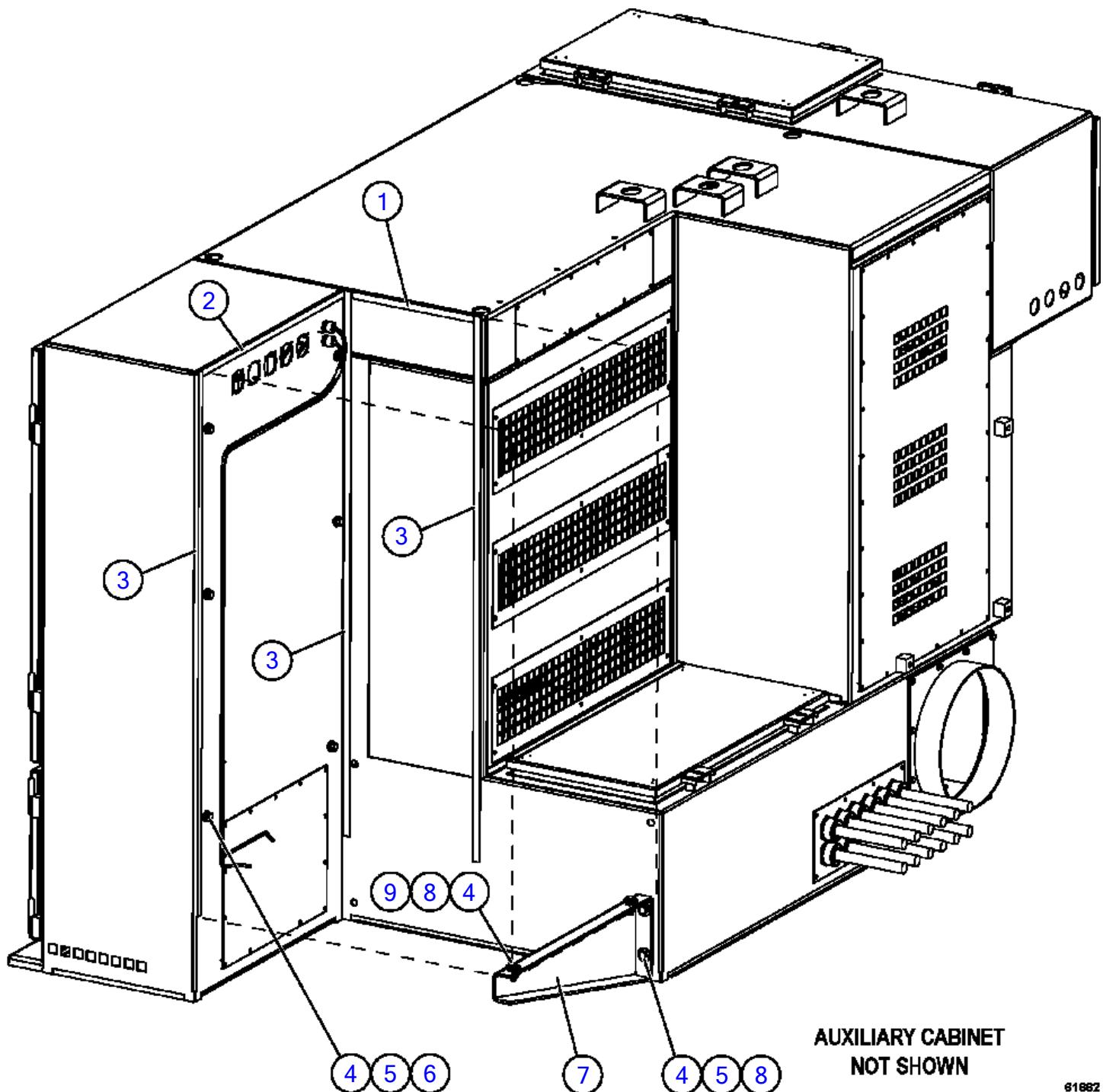


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### FRONT WHEEL SPEED SENSORS

Item	Part No	Description	Qty
1	WB3097	CLAMP, CUSHIONED - 1/2"	10
2	MM0461	FLAT WASHER - M10	10
3	MM0178	NUT - M10 X 1.50	10
4	EK6756	CABLE, WHEEL SPEED SENSOR - L.H.	1
	EK6757	CABLE, WHEEL SPEED SENSOR - R.H.	1
5	HD8019	BUSHING, PIPE - 1" X 3/4"	1
6	VZ1243	CORD GRIP	1
7	VZ1369	LOCKNUT, CONDULET - 1"	1
8	SM2117	PLATE, NUT	1
9	WA5642	MACHINE SCREW - #4 - 40NC X 1/2"	4
10	58F-32-00120	BRACKET	1
11	EL2883	MOUNT, SENSOR	1
12	WA0961	CAPSCREW - 7/8" - 9NC X 5" (12 PT)	2
13	WA5659	FLAT WASHER - SPECIAL (HARDENED)	2
14	XC2387	SENSOR, SPEED	1
15	VN9055	CAPSCREW - 3/8" - 16NC X 1 3/4"	1
16	HE5611	LOCKNUT - 3/8" - 16NC	1
17	EL2884	COVER, SENSOR	1
18	C0312	LOCKWASHER - 3/8"	2
19	C1602	CAPSCREW - 3/8" - 16NC X 1"	2
		(QUANTITIES SHOWN ARE FOR ONE SIDE ONLY.)	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



AUXILIARY CABINET  
NOT SHOWN

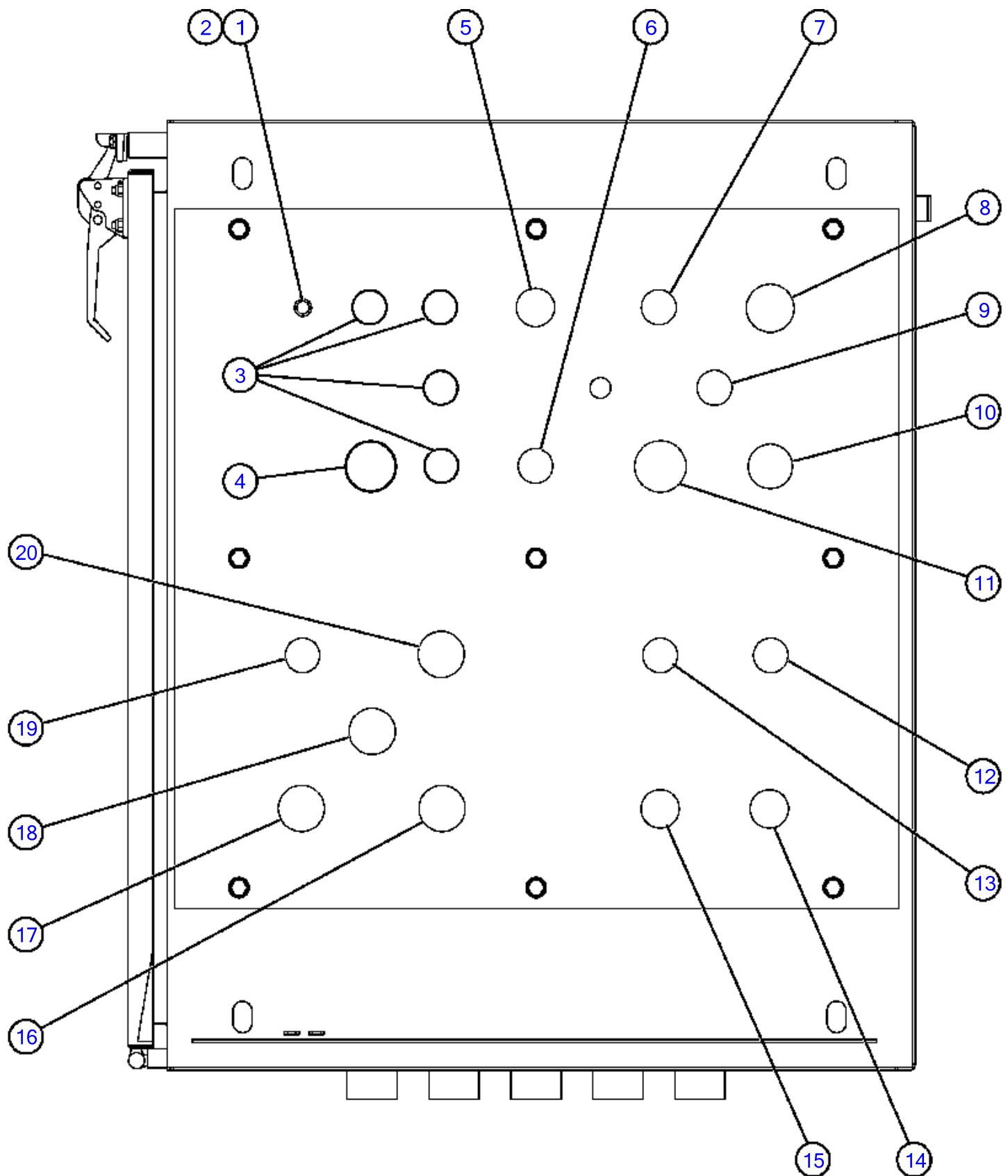
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 A31597 ANTAMINA

## AUXILIARY CONTROL CABINET INSTALLATION

Item	Part No	Description	Qty
1	EL5801	STRIP, SEAL	2
2	EH7494	STRIP, SEAL	1
3	EK7544	STRIP, SEAL	3
4	VC6561	CAPSCREW - 1/2" - 13NC X 1 1/2"	10
5	TR5445	LOCKWASHER - 1/2"	8
6	WA4728	FLAT WASHER - 1/2" (HARDENED)	6
7	PC2368	BRACKET, SUPPORT	1
8	VC7836	FLAT WASHER - 1/2"	4
9	VG7811	LOCKNUT - 1/2" - 13NC	2

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

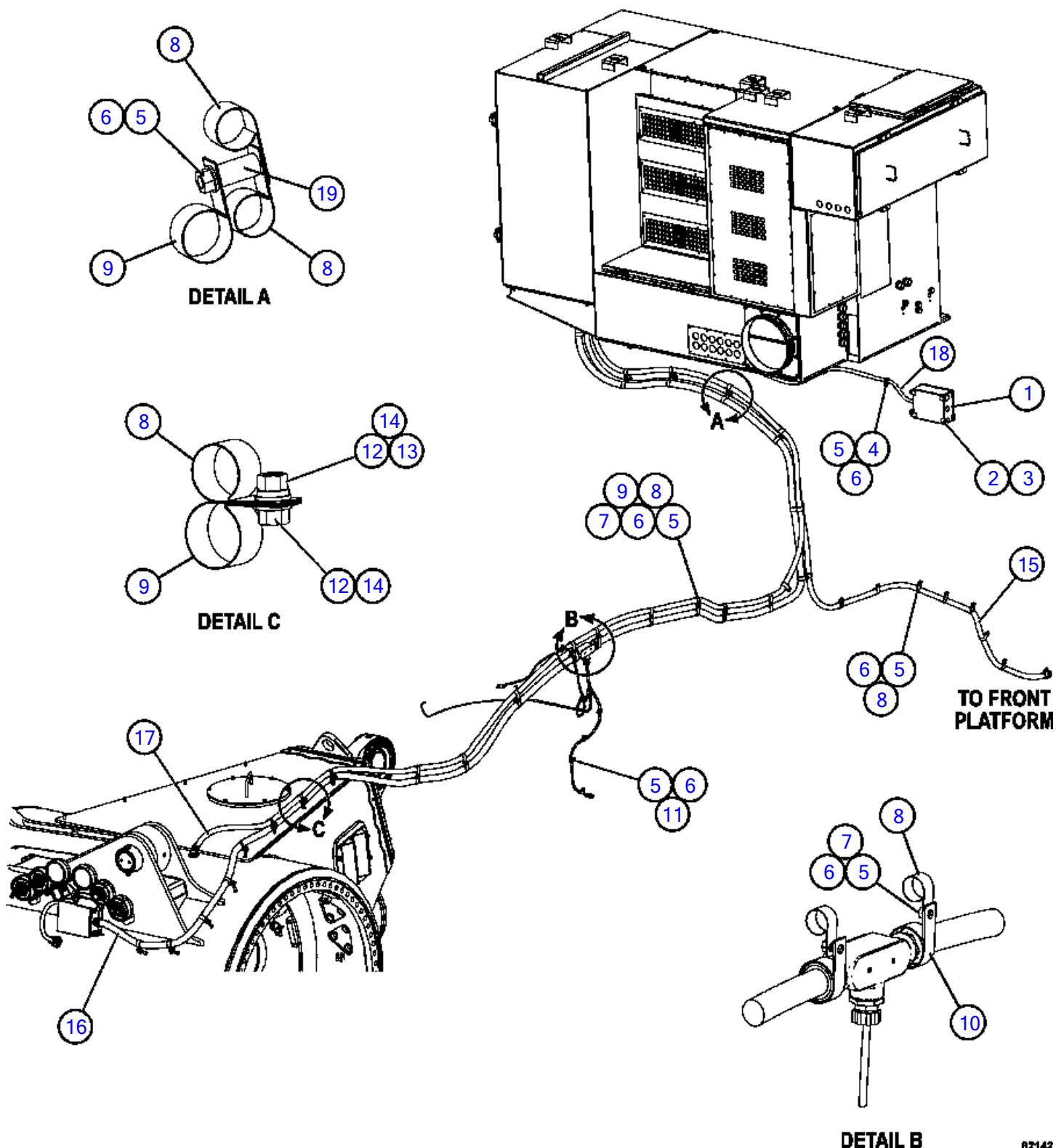


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31597 ANTAMINA

### AUXILIARY CONTROL CABINET EXTERNAL WIRING 1/3

Item	Part No	Description	Qty
1	PC1701	FITTING, BULKHEAD (COAX)	1
2	PC1965	HARNESS, ORBCOMM (COAX)	1
3	TV3555	PLUG, BUTTON - 1 3/8"	4
4	WA0724	PLUG, BUTTON - 2"	1
5	EM8296	HARNESS, ENGINE/AUX BOX	1
6	EM7822	HARNESS, ENGINE EXTERNAL	1
	TS0299	RESISTOR - 2,000 OHM, 2W (R18)	1
	ED3921	RESISTOR - 1,000 OHM (R50)	1
7	XB6181	HARNESS, LEFT FRONT FRAME	1
8	XB3268	HARNESS, RIGHT REAR FRAME	1
9	EM1462	HARNESS, RIGHT FRONT FRAME	1
10	EM8292	HARNESS, WHEEL SPEED	1
11	XB5378	HARNESS, LEFT REAR FRAME	1
	PC2834	DIODE - 4 AMP (D1, D2)	2
12	EM5637	HARNESS, JUNCTION BOX - R.H.	1
13	EM5636	HARNESS, JUNCTION BOX - L.H.	1
14	CH3889	CABLE, RED	1
15	CH4076	CABLE, BLACK	1
16	XB3730	HARNESS, CAB/AUX BOX - DASH	1
17	XB5527	HARNESS, CAB/AUX BOX - OVERHEAD	1
18	XB5526	HARNESS, CAB/AUX BOX - DIAGNOSTIC	1
19	EM7819	HARNESS, FLUID COMP/CC JUNCTION	1
20	XB5528	HARNESS, CAB/AUX BOX - GE	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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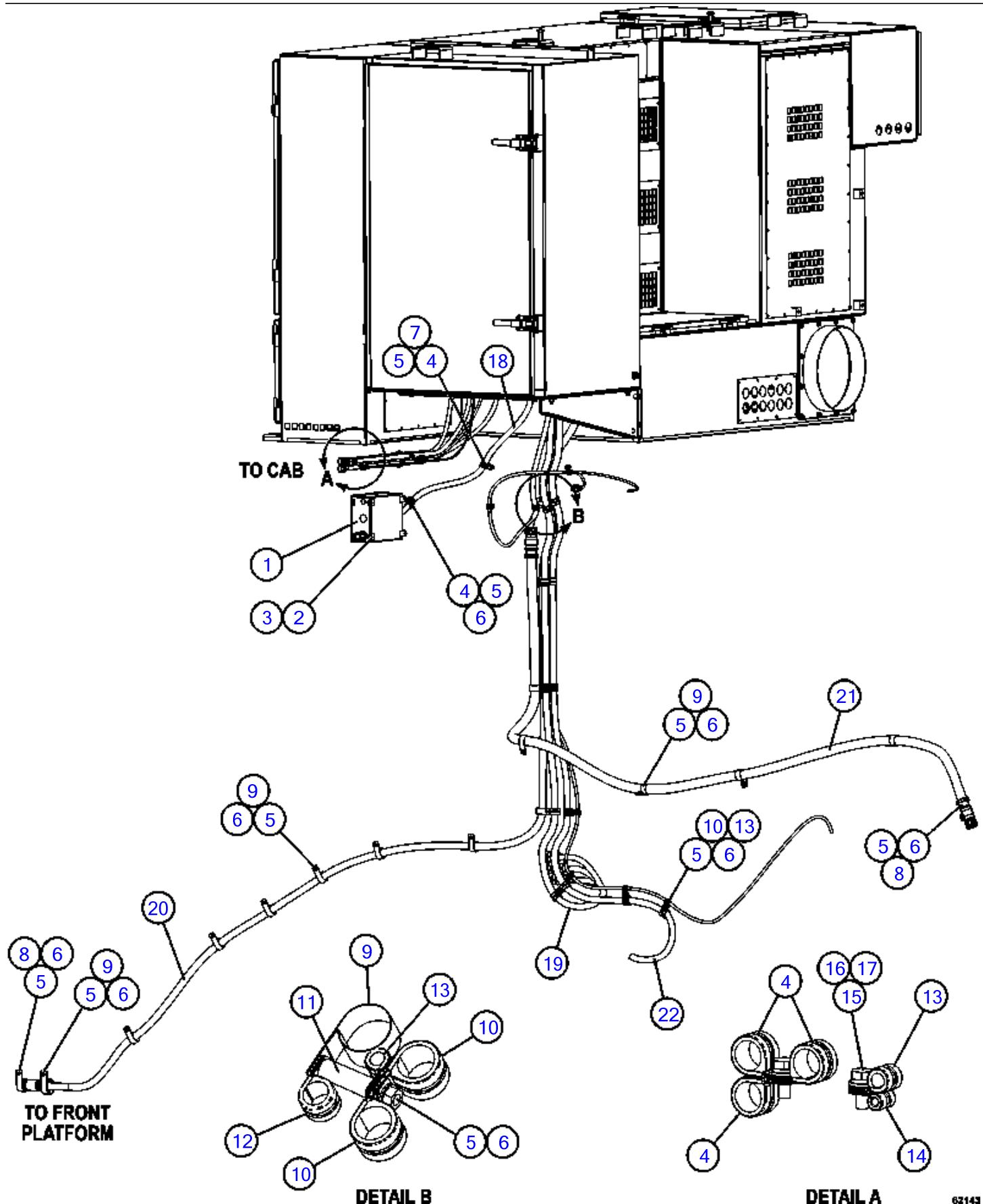


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 A31597 ANTAMINA

## AUXILIARY CONTROL CABINET EXTERNAL WIRING 2/3

Item	Part No	Description	Qty	Page
1	EK5824	JUNCTION BOX ASSEMBLY - R.H. (SEE INDEX)	1	412
2	MM0019	CAPSCREW - M6 X 1.00 X 16	4	
3	MM0711	FLAT WASHER - M6 (HARDENED)	4	
4	WB3093	CLAMP, CUSHIONED - 1"	5	
5	MM0178	NUT - M10 X 1.50	38	
6	MM0461	FLAT WASHER - M10	38	
7	TY8375	SPACER	10	
8	TR9441	CLAMP, VINYL - 1 1/4"	34	
9	WB3094	CLAMP, CUSHIONED - 1 3/4"	22	
10	WB3095	CLAMP, CUSHIONED - 2 1/4"	2	
11	WB1304	CLAMP, CUSHIONED - 9/16"	6	
12	MM0179	NUT - M12 X 1.75	16	
13	MM0472	LOCKWASHER - M12	8	
14	MM0462	FLAT WASHER - M12	16	
15	EM1462	HARNESS, RIGHT FRONT FRAME	1	
16	XB3268	HARNESS, RIGHT REAR FRAME	1	
17	EM8292	HARNESS, WHEEL SPEED	1	
18	EM5637	HARNESS, JUNCTION BOX - R.H.	1	
19	EK9883	SPACER	5	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

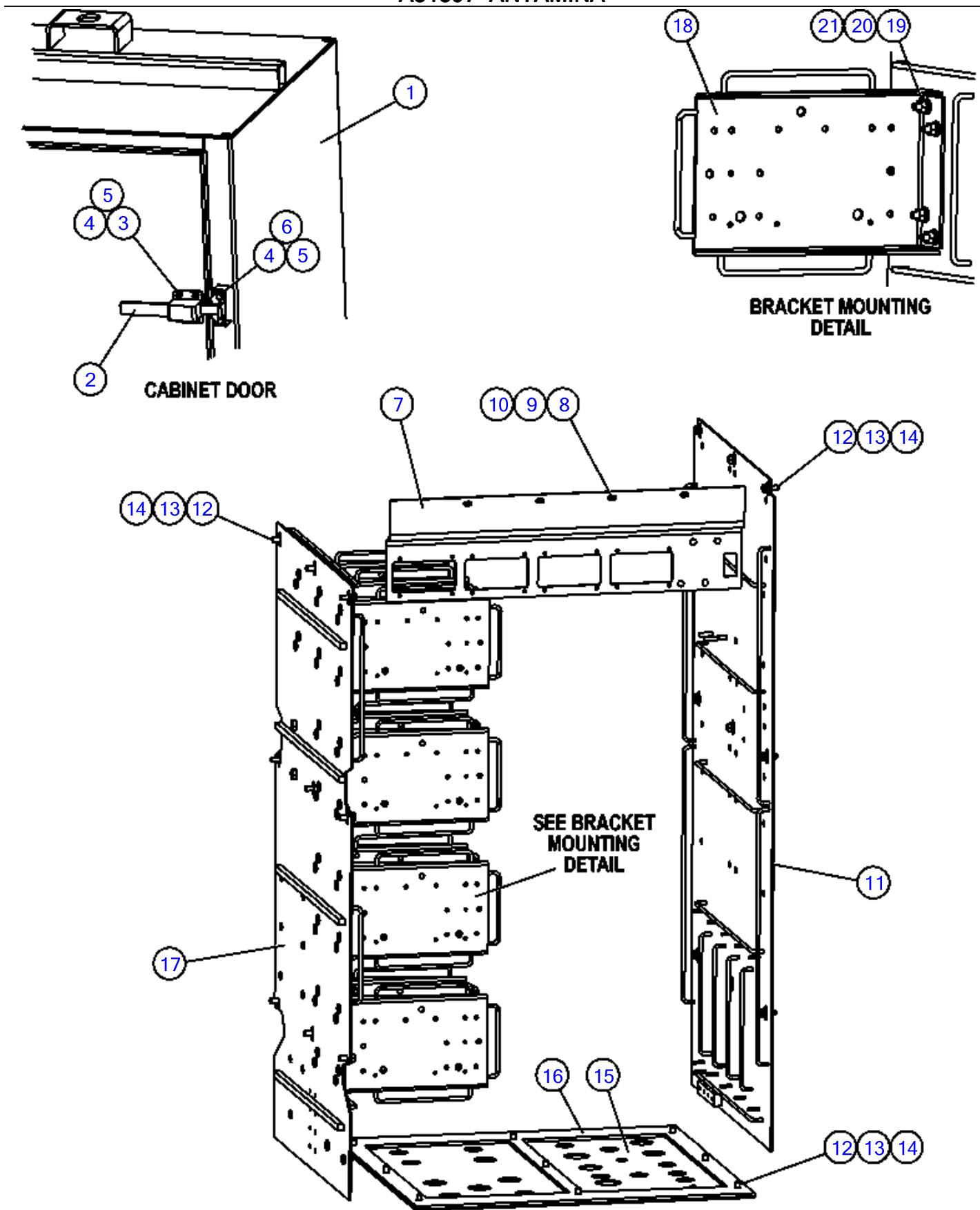


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 A31597 ANTAMINA

### AUXILIARY CONTROL CABINET EXTERNAL WIRING 3/3

Item	Part No	Description	Qty	Page
1	EK5822	JUNCTION BOX ASSEMBLY - L.H. (SEE INDEX)	1	414
2	MM0019	CAPSCREW - M6 X 1.00 X 16	4	
3	MM0711	FLAT WASHER - M6 (HARDENED)	4	
4	WB3093	CLAMP, CUSHIONED - 1"	8	
5	MM0178	NUT - M10 X 1.50	26	
6	MM0461	FLAT WASHER - M10	27	
7	MM0604	CAPSCREW - M10 X 1.50 X 20	1	
8	WB1306	CLAMP, CUSHIONED - 2"	2	
9	WB3094	CLAMP, CUSHIONED - 1 3/4"	16	
10	WB3096	CLAMP, CUSHIONED - 1 1/4"	14	
11	EK9883	SPACER	3	
12	WB3092	CLAMP, CUSHIONED - 7/8"	1	
13	WB3097	CLAMP, CUSHIONED - 1/2"	7	
14	WB1301	CLAMP, CUSHIONED - 1/4"	2	
15	MM0605	CAPSCREW - M10 X 1.50 X 25	4	
16	MM0471	LOCKWASHER - M10	4	
17	MM0713	FLAT WASHER - M10 (HARDENED)	4	
18	EM5636	HARNESS, JUNCTION BOX - L.H.	1	
19	EM7822	HARNESS, ENGINE EXTERNAL	1	
	TS0299	· RESISTOR - 2,000 OHM, 2W (R18)	1	
	ED3921	· RESISTOR - 1,000 OHM (R50)	1	
20	XB6181	HARNESS, LEFT FRONT FRAME	1	
21	XB5378	HARNESS, LEFT REAR FRAME	1	
	PC2834	· DIODE - 4 AMP (D1, D2)	2	
22	EM8296	HARNESS, ENGINE/AUX BOX	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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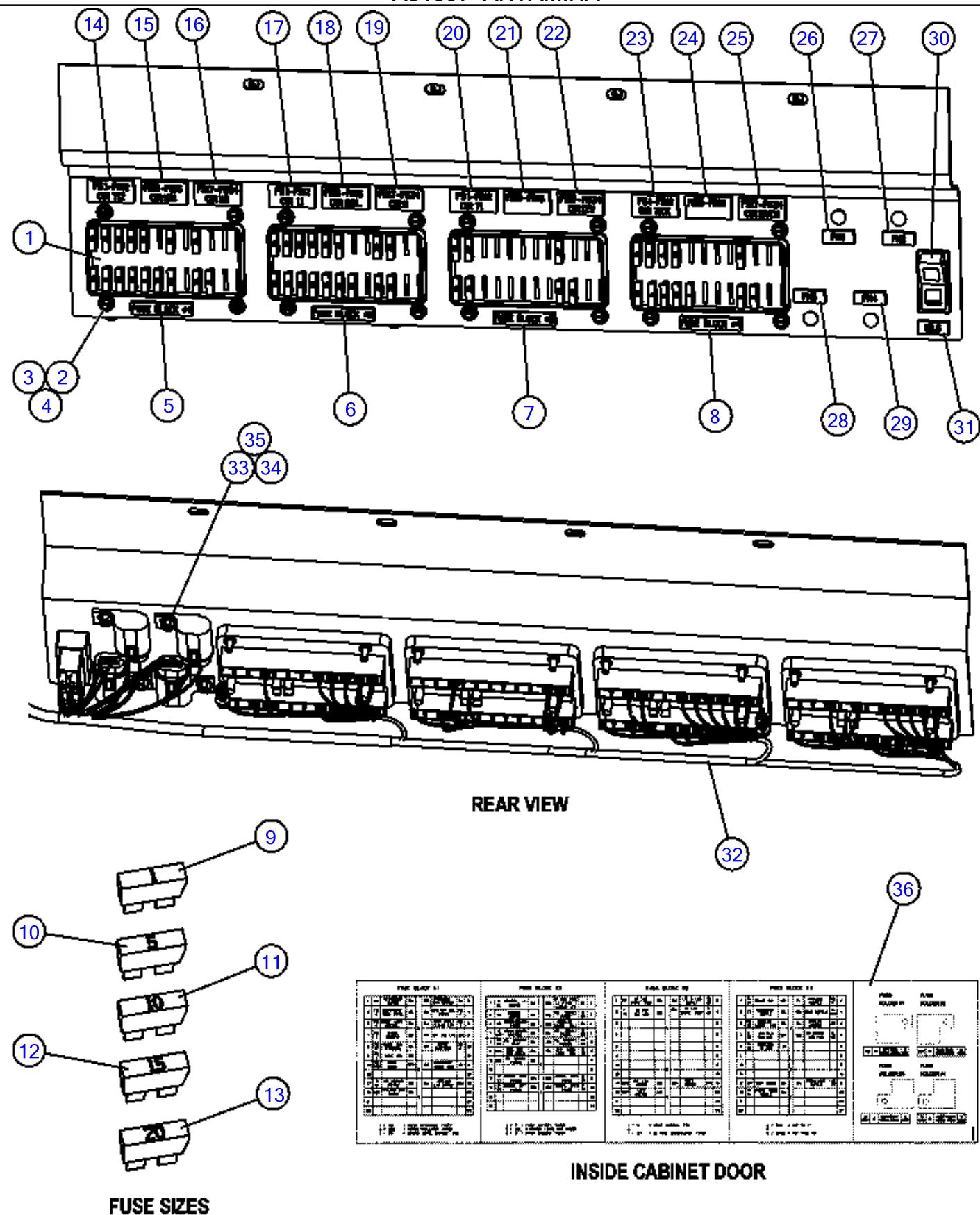


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### AUXILIARY CONTROL CABINET

Item	Part No	Description	Qty
1	EL8250	CABINET	1
2	PB1006	• LATCH/KEEPER SET	2
3	MM0581	• CAPSCREW - M6 X 1.00 X 16	8
4	MM0459	• FLAT WASHER - M6	12
5	MM0469	• LOCKWASHER - M6	12
6	MM0583	• CAPSCREW - M6 X 1.00 X 25	4
7	EM8281	BRACKET, FUSE BLOCK	1
8	TR1307	FLAT WASHER - 1/4"	4
9	DC3584	LOCKWASHER - 1/4"	4
10	TD1549	NUT - 1/4" - 20NC	4
11	EL0309	BRACKET	1
12	TG5720	CAPSCREW - 3/8" - 16NC X 1"	27
13	TC1231	LOCKWASHER - 3/8"	27
14	TR4436	FLAT WASHER - 3/8"	27
15	EM2720	PLATE, BOTTOM	1
16	EL0316	GASKET	1
17	XB2268	BRACKET ASSEMBLY	1
	XB2266	• BRACKET, MOUNTING	1
18	EK9239	• BRACKET	9
19	MM0460	• FLAT WASHER - M8	36
20	MM0470	• LOCKWASHER - M8	36
21	MM0177	• NUT - M8 X 1.25	36

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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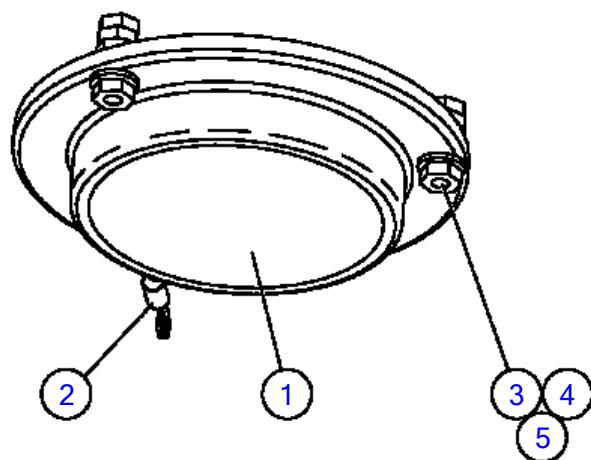
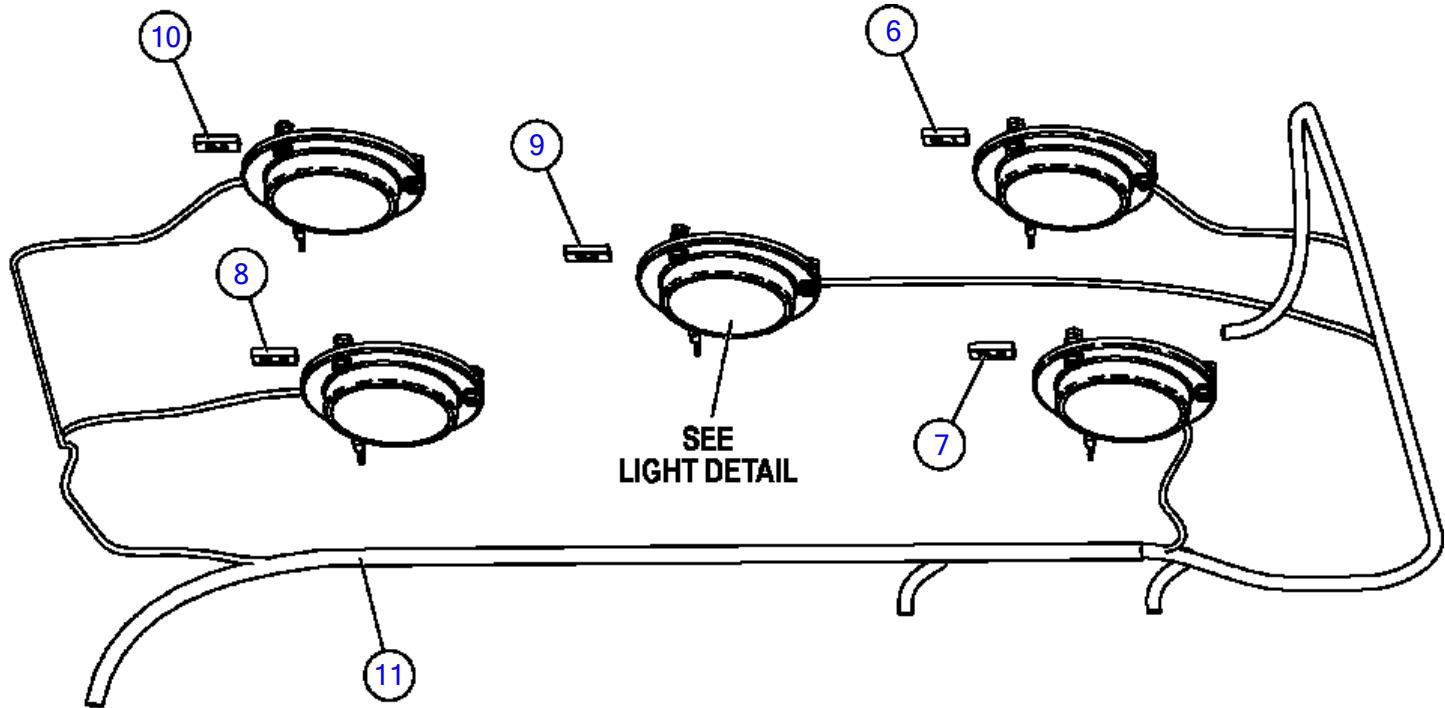


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
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## AUXILIARY CONTROL CABINET - FUSE PANEL

Item	Part No	Description	Qty
1	PC1345	FUSE BLOCK	4
2	SD5390	MACHINE SCREW - #10 - 32NC X 1"	16
3	VC5344	FLAT WASHER - #10	16
4	DC3101	LOCKWASHER - #10	16
5	WB2941	NAME PLATE - FUSE BLOCK #1	1
6	WB2942	NAME PLATE - FUSE BLOCK #2	1
7	EK2512	NAME PLATE - FUSE BLOCK #3	1
8	EK2513	NAME PLATE - FUSE BLOCK #4	1
9	PC2399	FUSE - 1 AMP	1
10	08041-00500	FUSE - 5 AMP	9
11	08041-01000	FUSE - 10 AMP	18
12	08041-01500	FUSE - 15 AMP	14
13	08041-02000	FUSE - 20 AMP	13
14	EK2075	NAME PLATE - FS1 - FS12 CIR 712	1
15	WB3504	NAME PLATE - FS13 - FS16 11B1	1
16	EK2502	NAME PLATE - FS17 - FS24 CIR 11S	1
17	EK2503	NAME PLATE - FS1 - FS12 CIR 11	1
18	WB3313	NAME PLATE - FS13 - FS16	1
19	EL7626	NAME PLATE - FS17 - FS24 CIR 11GL	1
20	EK2505	NAME PLATE - FS1 - FS12 CIR 71	1
21	EK2508	NAME PLATE - FS13 - FS16 CIR 15SPD	1
22	EK2509	NAME PLATE - FS17 - FS24 CIR 12V	1
23	EK2510	NAME PLATE - FS1 - FS12 CIR 71CK	1
24	EK2501	NAME PLATE - FS13 -FS16	1
25	EK2511	NAME PLATE - FS17 - FS24 CIR 15VD1	1
26	WB3468	NAME PLATE - FH #1	1
27	WB3469	NAME PLATE - FH #2	1
28	WB3477	NAME PLATE - FH #3	1
29	WB3478	NAME PLATE - FH #4	1
30	PC0254	SWITCH, ROCKER (LOCKED)	1
31	WB2200	NAME PLATE - DLS	1
32	EM8242 08020-10000	HARNESS, AUXILIARY CONTROL CABINET INTERNAL • DIODE (D11, D15 - D18, D21, D33, D35, D49, D51 - D55, D69 - D71, D80, D85, LLD1)	1 20
	EF6927	• RESISTOR - 22,100 OHM (R7, R8)	2
	TS0299	• RESISTOR - 2,000 OHM, 2W (R1 - R5, R10, R12, R13, R21)	9
	PC2399	• FUSE - 1 AMP	4
33	MM0459	FLAT WASHER - M6	4
34	MM0379	LOCKWASHER - M5 (EXTERNAL TOOTH)	4
35	MM0373	NUT - M5 X .8	4
36	WB4035	LABEL, FUSE BLOCK	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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LIGHT DETAIL

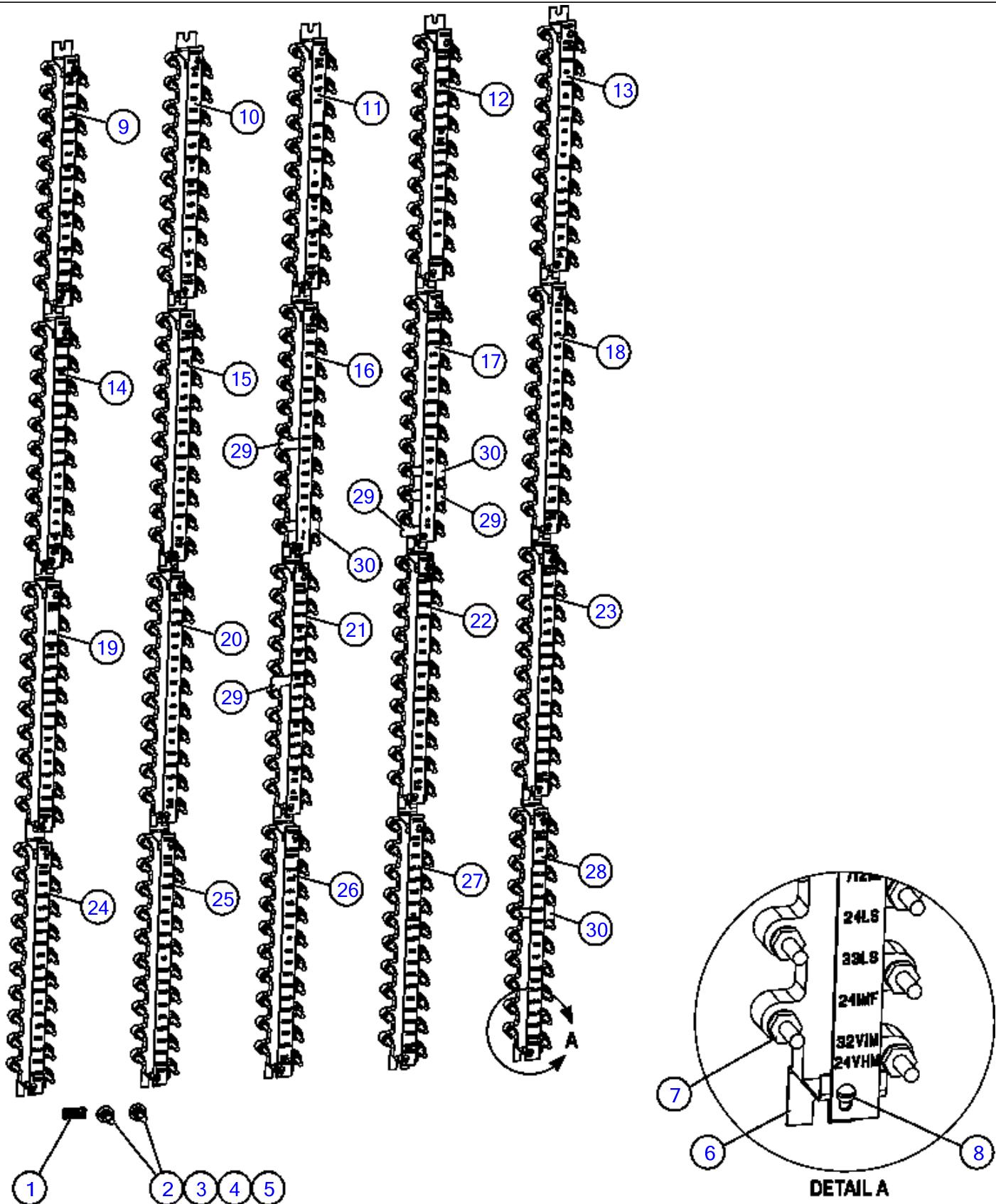
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AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### AUXILIARY CONTROL CABINET - LIGHTS

Item	Part No	Description	Qty
1	VS0035	LIGHT, DOME	5
	VZ1912	• BULB	5
	TM9090	• INSULATOR	5
2	SF9896	KNIFE, DISCONNECT	5
3	TF6248	FLAT WASHER - #8	15
4	VM9910	LOCKWASHER - #8	15
5	TV2179	NUT - #8 - 32NC	60
6	EC7462	NAME PLATE - DL1	1
7	EC7458	NAME PLATE - DL2	1
8	EC7459	NAME PLATE - DL3	1
9	EC7460	NAME PLATE - DL4	1
10	EC7457	NAME PLATE - DL5	1
11	EM8242	HARNESS, AUXILIARY CONTROL CABINET INTERNAL	1
	08020-10000	• DIODE (D11, D15 - D18, D21, D33, D35, D49, D51 - D55, D69 - D71, D80, D85, LLD1)	20
	EF6927	• RESISTOR - 22,100 OHM (R7, R8)	2
	TS0299	• RESISTOR - 2,000 OHM, 2W (R1 - R5, R10, R12, R13, R21)	9
	PC2399	• FUSE - 1 AMP	4

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

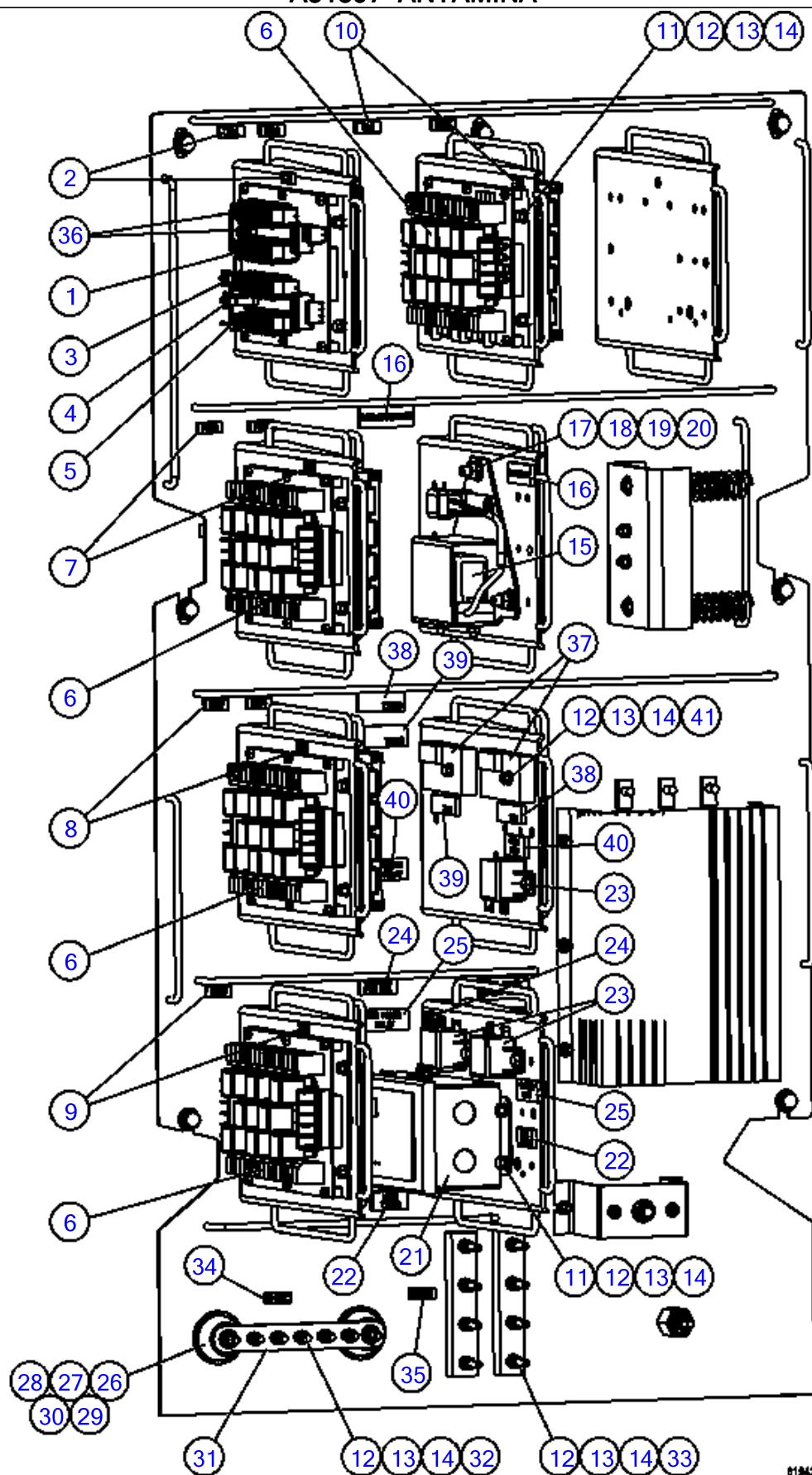


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### AUXILIARY CONTROL CABINET - REAR WALL

Item	Part No	Description	Qty
1	EL7629	NAME PLATE - GB32	1
2	ED0913	ROD, THREADED - 1/4"	2
3	TR1307	FLAT WASHER - 1/4"	2
4	DC3584	LOCKWASHER - 1/4"	2
5	TD1549	NUT - 1/4" - 20NC	2
6	PB5732	BOARD, TERMINAL	20
7	WA3367	NUT ASSEMBLY	400
8	VM2951	SCREW, SELF-TAPPING - #6 - 32NC X 5/16"	40
9	WB3582	STRIP, CIRCUIT ID - TB21	1
10	WB3586	STRIP, CIRCUIT ID - TB25	1
11	WB3590	STRIP, CIRCUIT ID - TB29	1
12	WB3594	STRIP, CIRCUIT ID - TB33	1
13	WB3598	STRIP, CIRCUIT ID - TB37	1
14	WB3583	STRIP, CIRCUIT ID - TB22	1
15	WB3587	STRIP, CIRCUIT ID - TB26	1
16	WB3591	STRIP, CIRCUIT ID - TB30	1
17	WB3730	STRIP, CIRCUIT ID - TB34	1
18	WB3599	STRIP, CIRCUIT ID - TB38	1
19	WB3513	STRIP, CIRCUIT ID - TB23	1
20	WB3584	STRIP, CIRCUIT ID - TB27	1
21	WB3588	STRIP, CIRCUIT ID - TB31	1
22	WB3596	STRIP, CIRCUIT ID - TB35	1
23	WB3600	STRIP, CIRCUIT ID - TB39	1
24	WB3585	STRIP, CIRCUIT ID - TB24	1
25	WB3589	STRIP, CIRCUIT ID - TB28	1
26	WB3593	STRIP, CIRCUIT ID - TB32	1
27	WB3597	STRIP, CIRCUIT ID - TB36	1
28	WB3601	STRIP, CIRCUIT ID - TB40	1
29	EB7418	BAR, BUS	4
30	EB7417	BAR, BUS	3

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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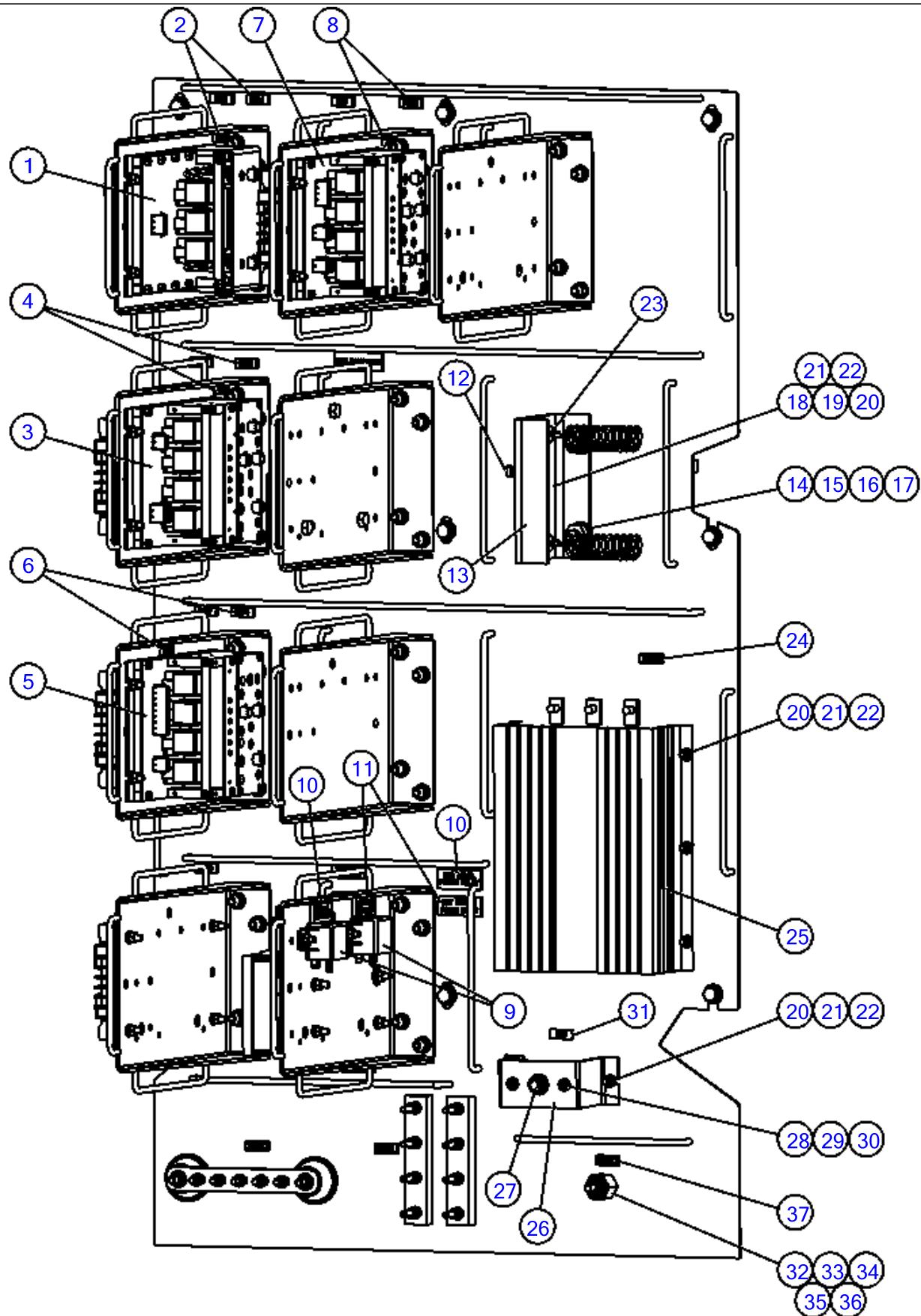


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**AUXILIARY CONTROL CABINET - LEFT SIDE WALL 1/2**

Item	Part No	Description	Qty	Page
1	EK4993	DIODE BOARD ASSEMBLY - DB1 (SEE FIG 55613)	1	402
2	EC8825	NAME PLATE - DB1	2	
3	EG8333	RESISTOR - 20 OHM	1	
4	SM3124	DIODE	1	
5	EG0664	RESISTOR - 270 OHM	1	
6	EK4991	RELAY BOARD ASSEMBLY - RB6, RB7, RB8 (SEE FIG 55613)	4	402
7	EC8824	NAME PLATE - RB6	2	
8	WB2280	NAME PLATE - RB7	2	
9	WB3237	NAME PLATE - RB9	2	
10	WB2733	NAME PLATE - RB8	2	
11	MM0027	CAPSCREW - M6 X 1.00 X 25	30	
12	MM0459	FLAT WASHER - M6	77	
13	MM0469	LOCKWASHER - M6	45	
14	MM0176	NUT - M6 X 1.00	58	
15	7861-92-5330	SENSOR, ANGLE	1	
16	EL7628	NAME PLATE - INCLINOMETER	2	
17	TG5720	CAPSCREW - 3/8" - 16NC X 1"	3	
18	TR9008	JAM NUT - 3/8" - 16NC	3	
19	TC1231	LOCKWASHER - 3/8"	3	
20	TR4436	FLAT WASHER - 3/8"	3	
21	PC2667	TIMER, AUTO LUBE	1	
22	WB2281	NAME PLATE - LUBE TIMER	2	
23	PB7276	RELAY - 24V, 50 AMP	3	
24	WB2836	NAME PLATE - 12V POWER RELAY	2	
25	WB2289	NAME PLATE - CONTROL POWER RELAY	2	
26	PB7202	INSULATOR, GLASTIC	2	
27	EM8612	ROD, THREADED	2	
28	TD1684	NUT - 5/16" - 18NC	2	
29	SC4174	LOCKWASHER - 5/16"	2	
30	TV0177	FLAT WASHER - 5/16"	4	
31	EG2305	BAR, BUS	1	
32	MM0584	CAPSCREW - M6 X 1.00 X 30	5	
33	EK0731	ROD, THREADED	8	
34	TZ7377	NAME, PLATE - 24VDC	1	
35	WB2303	NAME PLATE - GB31	1	
36	XB5358	RESISTOR - 6800 OHM	2	
37	PC2644	TIMER, 2 HOUR DELAY	2	
38	WB3521	NAME PLATE - ENGINE SERVICE LIGHT TIMER	2	
39	WB3522	NAME PLATE - PUMP MODULE LIGHT TIMER	2	
40	WB3731	NAME PLATE - HORN RELAY	2	
41	MM0363	CAPSCREW - M6 X 1.00 X 40	2	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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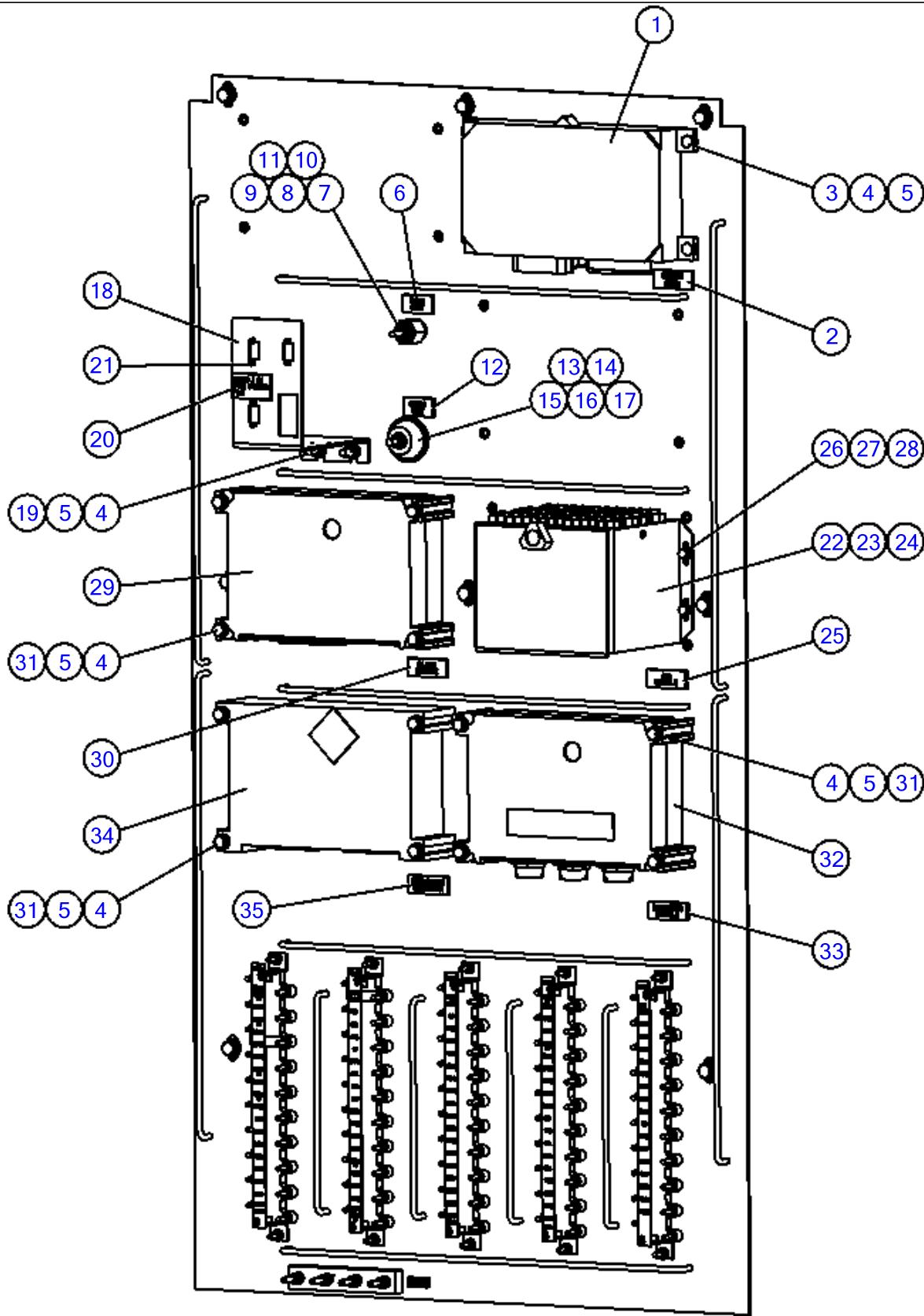


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## AUXILIARY CONTROL CABINET - LEFT SIDE WALL 2/2

Item	Part No	Description	Qty	Page
1	EK3808	RELAY BOARD ASSEMBLY - RB1 (SEE FIG 55612)	1	400
2	EC8819	NAME PLATE - RB1	2	
3	EK3803	RELAY BOARD ASSEMBLY - RB3 (SEE FIG 55612)	1	400
4	EC8821	NAME PLATE - RB3	2	
5	EK3806	RELAY BOARD ASSEMBLY - RB4 (SEE FIG 55612)	1	400
6	EC8822	NAME PLATE - RB4	2	
7	EK3811	RELAY BOARD ASSEMBLY - RB5 (SEE FIG 55612)	1	400
8	EC8823	NAME PLATE - RB5	2	
9	PB7276	RELAY - 24V, 50 AMP	2	
10	WB3298	NAME PLATE - GROUND LEVEL POWER RELAY	2	
11	WB2835	NAME PLATE - KEY SWITCH POWER RELAY	2	
12	WB3238	NAME PLATE - DOKG	1	
13	EK7515	BRACKET, INSULATED	1	
14	TR1376	CAPSCREW - 1/2" - 13NC X 1 1/4"	2	
15	TR6008	FLAT WASHER - 1/2"	2	
16	TR5445	LOCKWASHER - 1/2"	2	
17	TR6643	NUT - 1/2" - 13NC	2	
18	EK7516	BAR, BUS	1	
19	MM0025	CAPSCREW - M6 X 1.00 X 20	2	
20	MM0459	FLAT WASHER - M6	2	
21	MM0469	LOCKWASHER - M6	2	
22	MM0176	NUT - M6 X 1.00	2	
23	EK0744	DIODE - 40 AMP	2	
24	WB3239	NAME PLATE - 12 VCN	1	
25	PC1110	CONVERTER	1	
26	ED4418	BRACKET	1	
27	PB8460	CIRCUIT BREAKER - 60 AMP	1	
28	SD5390	MACHINE SCREW - #10 - 32NC X 1"	2	
29	DC3101	LOCKWASHER - #10	2	
30	VC5344	FLAT WASHER - #10	2	
31	WB3479	NAME PLATE - CB60	1	
32	TA7409	INSULATOR, STAND-OFF	1	
33	ED0913	ROD, THREADED - 1/4"	1	
34	TD1549	NUT - 1/4" - 20NC	1	
35	DC3584	LOCKWASHER - 1/4"	2	
36	TR1307	FLAT WASHER - 1/4"	4	
37	TZ7378	NAME PLATE - 12 VDC	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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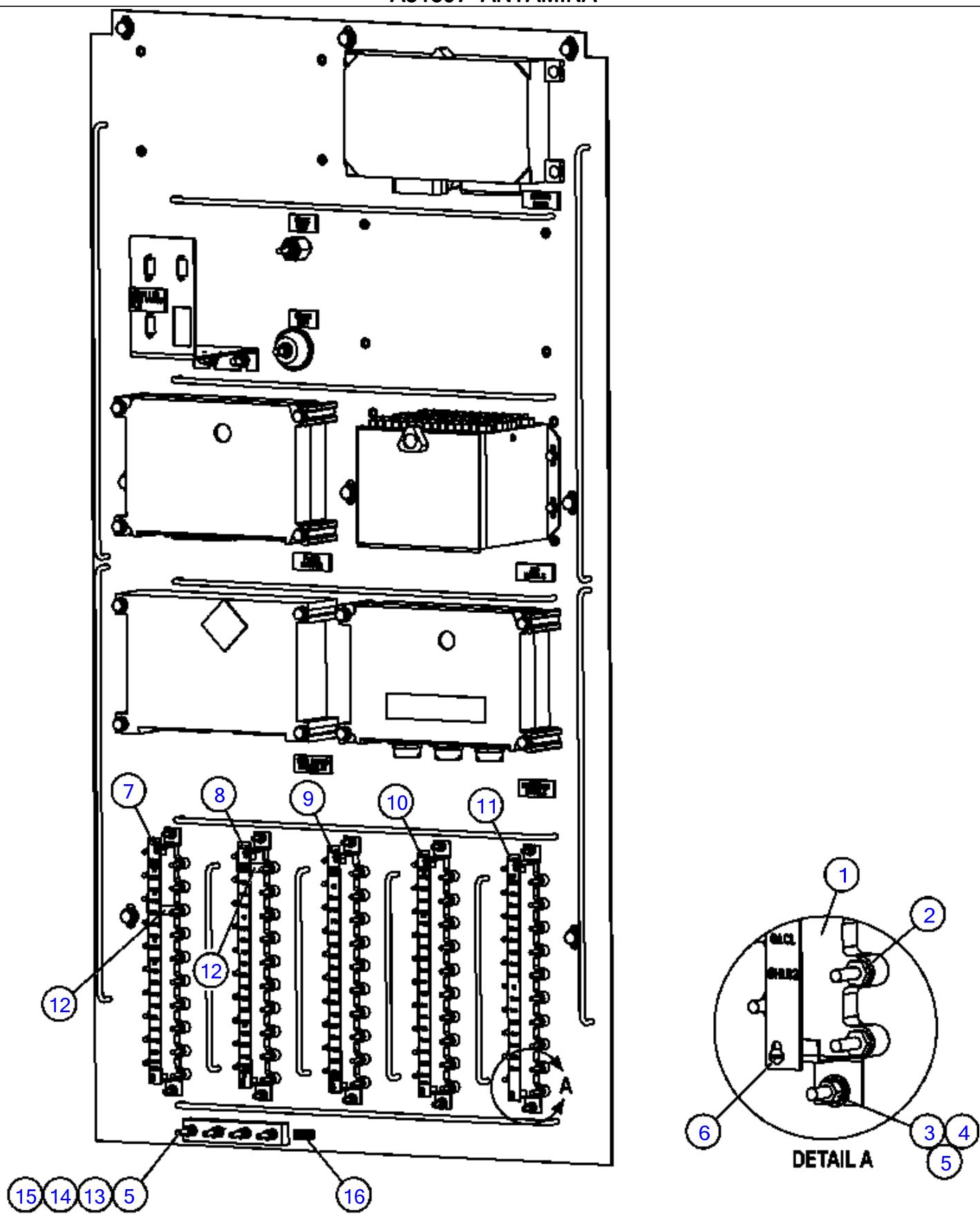


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 A31597 ANTAMINA

## AUXILIARY CONTROL CABINET - RIGHT SIDE WALL 1/2

Item	Part No	Description	Qty	Page
1	7826-12-2302	CONTROLLER, ORBCOMM	1	
2	WB2879	NAME PLATE - ORBCOMM MODEM	1	
3	MM0594	CAPSCREW - M8 X 1.25 X 25	4	
4	MM0470	LOCKWASHER - M8	18	
5	MM0460	FLAT WASHER - M8	18	
6	EK6252	NAME PLATE - 5VDC DIST	1	
7	TA7409	INSULATOR, STAND-OFF	1	
8	ED0913	ROD, THREADED - 1/4"	1	
9	TD1549	NUT - 1/4" - 20NC	1	
10	DC3584	LOCKWASHER - 1/4"	2	
11	TR1307	FLAT WASHER - 1/4"	2	
12	EK6251	NAME PLATE - 18VDC DIST	1	
13	PB7202	INSULATOR, GLASTIC	1	
14	ED7468	ROD, THREADED - 5/16"	1	
15	TD1684	NUT - 5/16" - 18NC	1	
16	SC4174	LOCKWASHER - 5/16"	2	
17	TV0177	FLAT WASHER - 5/16"	2	
18	EK0742	BRACKET	1	
19	MM0177	NUT - M8 X 1.25	2	
20	WB3655	NAME PLATE - DATA PORTS	1	
21	PB8256	SCREWLOCK, FEMALE	3	
22	PC1810	A.I.D. MODULE (SEE INDEX)	1	398
23	PC0040	CARD, OIL LEVEL/TEMPERATURE	1	
24	VJ9025	CARD, DUAL HOT SWITCH INVERTER	1	
25	EK3933	NAME PLATE - AID	1	
26	MM0019	CAPSCREW - M6 X 1.00 X 16	4	
27	MM0469	LOCKWASHER - M6	4	
28	MM0459	FLAT WASHER - M6	4	
29	EJ3060	PAYOUT METER III ASSEMBLY	1	
30	EK3934	NAME PLATE - PLM III	1	
31	MM0401	CAPSCREW - M8 X 1.25 X 90	12	
32	EJ9089	INTERFACE MODULE (UNPROGRAMMED)	1	
33	EK2723	NAME PLATE - INTERFACE MODULE	1	
34	7826-17-4501	CONTROLLER, KOMTRAX PLUS	1	
35	WB2838	NAME PLATE - VHMS COMMON CONTROLLER	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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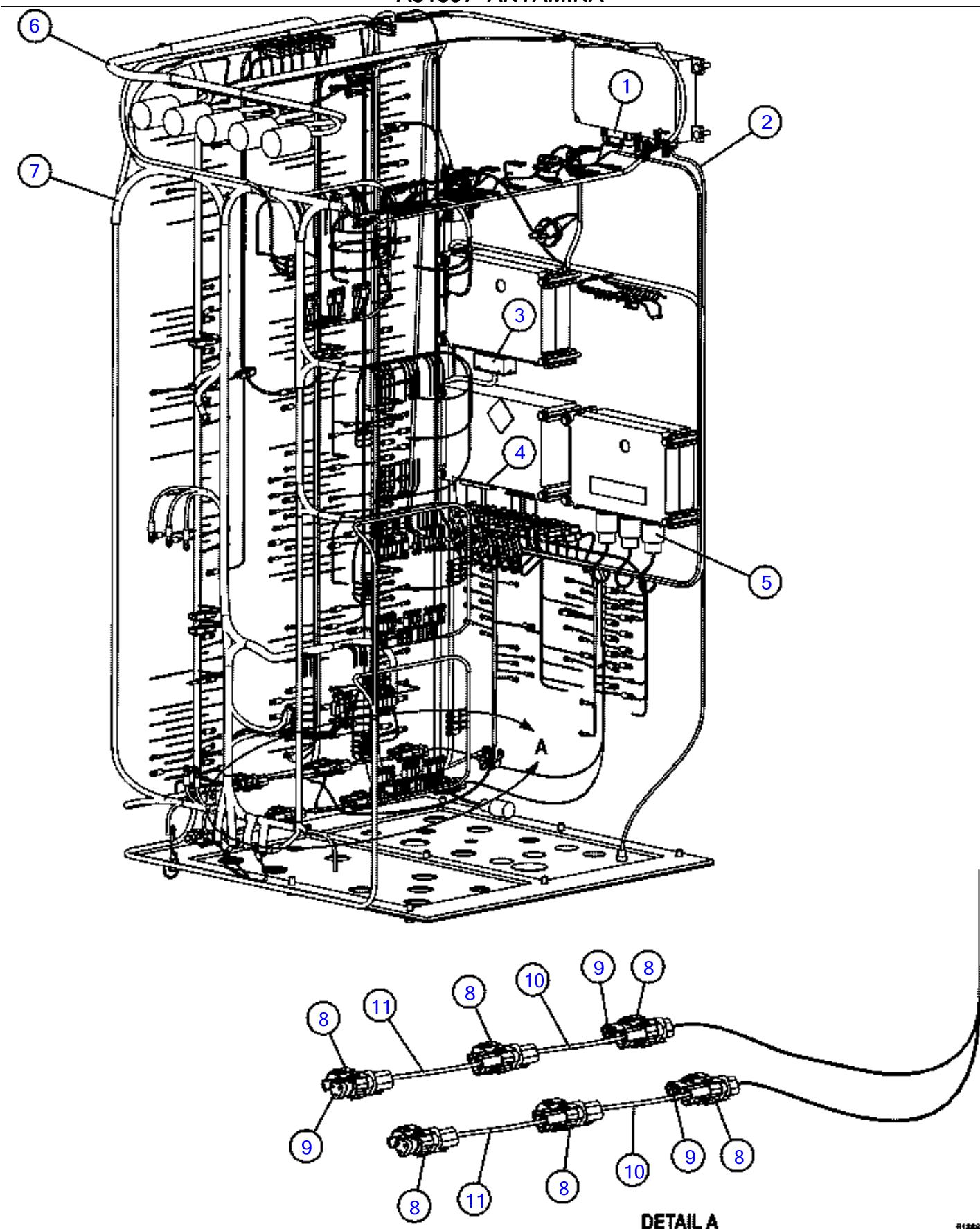


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 A31597 ANTAMINA

### AUXILIARY CONTROL CABINET - RIGHT SIDE WALL 2/2

Item	Part No	Description	Qty
1	PB5732	BOARD, TERMINAL	5
2	WA3367	NUT ASSEMBLY	100
3	MM0373	NUT - M5 X .8	10
4	MM0379	LOCKWASHER - M5 (EXTERNAL TOOTH)	10
5	MM0459	FLAT WASHER - M6	14
6	VM2951	SCREW, SELF-TAPPING - #6 - 32NC X 5/16"	10
7	WB3602	STRIP, CIRCUIT ID - TB41	1
8	WB3603	STRIP, CIRCUIT ID - TB42	1
9	WB3604	STRIP, CIRCUIT ID - TB43	1
10	WB3605	STRIP, CIRCUIT ID - TB44	1
11	WB3606	STRIP, CIRCUIT ID - TB45	1
12	EB7418	BAR, BUS	2
13	MM0469	LOCKWASHER - M6	4
14	MM0176	NUT - M6 X 1.00	8
15	EK0731	ROD, THREADED	4
16	EL7630	NAME PLATE - GB33	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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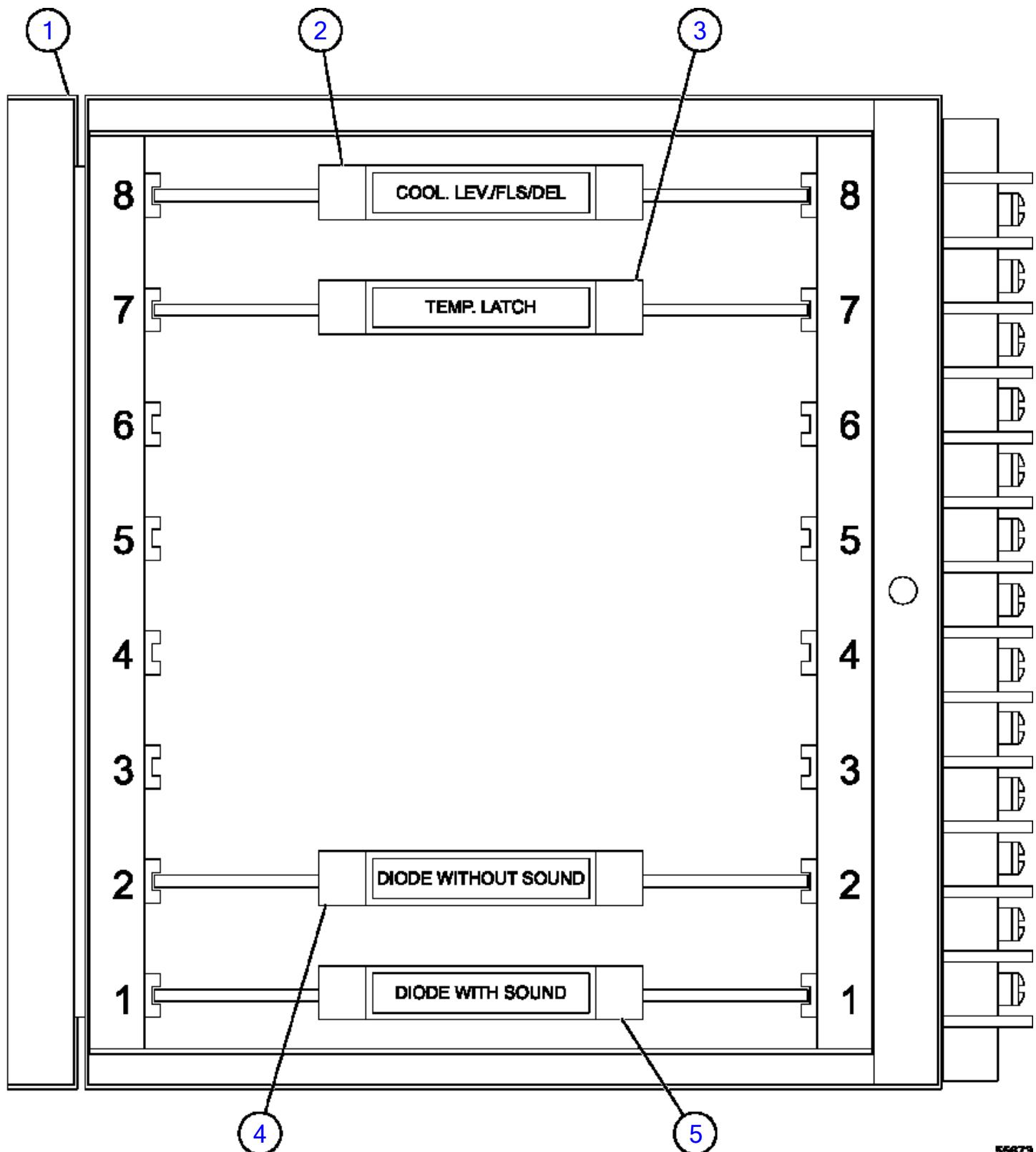


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## AUXILIARY CONTROL CABINET - INTERNAL WIRING

Item	Part No	Description	Qty
1	EM5415	HARNESS, ORBCOMM	1
2	PC1962	HARNESS, ORBCOMM (COAX)	1
3	EM8615	HARNESS, PLM III/AUXILIARY BOX	1
4	EK7547	HARNESS, VHMS	1
5	EM8299 421-06-11970	HARNESS, INTERFACE MODULE CONNECTOR • DIODE - 3 AMP (D13, D19, D22 - D24, D27, D30, D50, D56, D57, D59 - D63, D65 - D67, D74, D80 - D83)	1 23
	TS0299	• RESISTOR - 2,000 OHM, 2W (R11, R15, R16)	3
	58B-06-00290	• VARISTOR (R17, R18, R23, R24, R42, R43, R45, R50, R55)	9
	EK4129	• RESISTOR - 750 OHM (R28)	1
6	EM8008	HARNESS, GE/AUX BOX INTERFACE	1
7	EM8242 08020-10000	HARNESS, AUXILIARY CONTROL CABINET INTERNAL • DIODE (D11, D15 - D18, D21, D33, D35, D49, D51 - D55, D69 - D71, D80, D85, LLD1)	1 20
	EF6927	• RESISTOR - 22,100 OHM (R7, R8)	2
	TS0299	• RESISTOR - 2,000 OHM, 2W (R1 - R5, R10, R12, R13, R21)	9
	PC2399	• FUSE - 1 AMP	4
8	PC0616	RECEPTACLE, TEE	6
9	PC0618	PLUG, TERMINATING	3
10	EK5341	HARNESS, 1939 JUMPER	2
11	EK5340	HARNESS, 1939 JUMPER	2
NS		NOTE: NS = NOT SHOWN	
NS	CH5101	CABLE, BATTERY - BLACK (1)	1
NS	CH5001	CABLE, BATTERY - RED (1)	1
NS	EM8017	HARNESS, MODULAR MINING SYSTEM (2)	1
NS	58B-06-11000	WIRE, JUMPER - CIRCUIT 712 POWER NOTE: (1) TOP CORNER OF LEFT SIDE WALL. (2) OPTIONAL FEATURE.	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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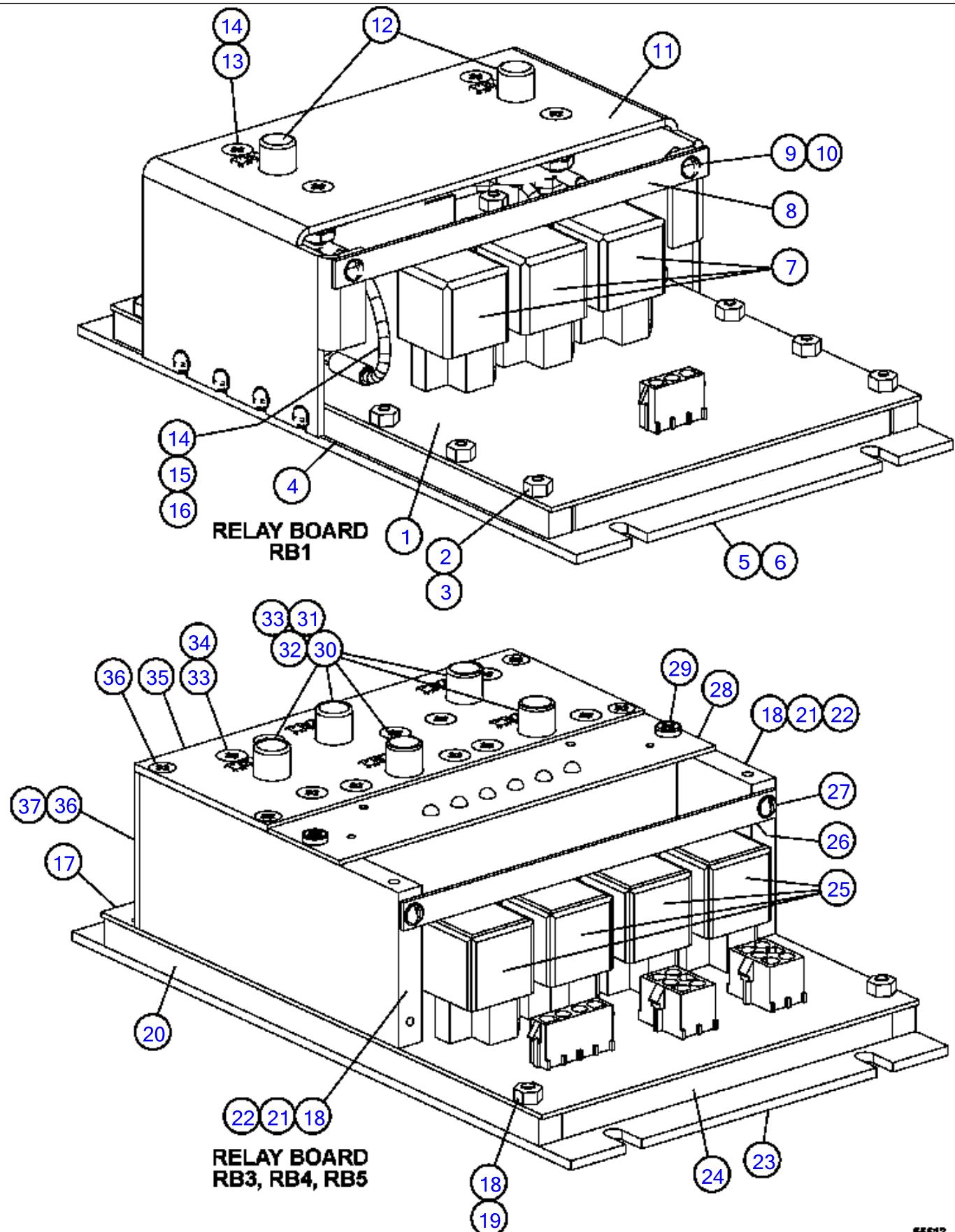
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**AID MODULE ASSEMBLY PC1810**

Item	Part No	Description	Qty
1	VE3422	BOX (WITHOUT CARDS)	1
	BF1539	· CHASSIS ASSEMBLY	1
	BF1540	· CARD CAGE ASSEMBLY	1
	BF1541	· MOTHERBOARD ASSEMBLY	1
	BF1542	· FRONT PANEL ASSEMBLY	1
	VE1407	· KNOB	1
	BF1552	· RING, RETAINING	1
2	VJ8805	CARD, FLASHER/COOLANT LEVEL	1
3	PB5672	CARD, TEMPERATURE LATCH	1
4	VJ9024	CARD, DIODE (W/O SOUND)	1
5	VJ9023	CARD, DIODE (W/SOUND)	1

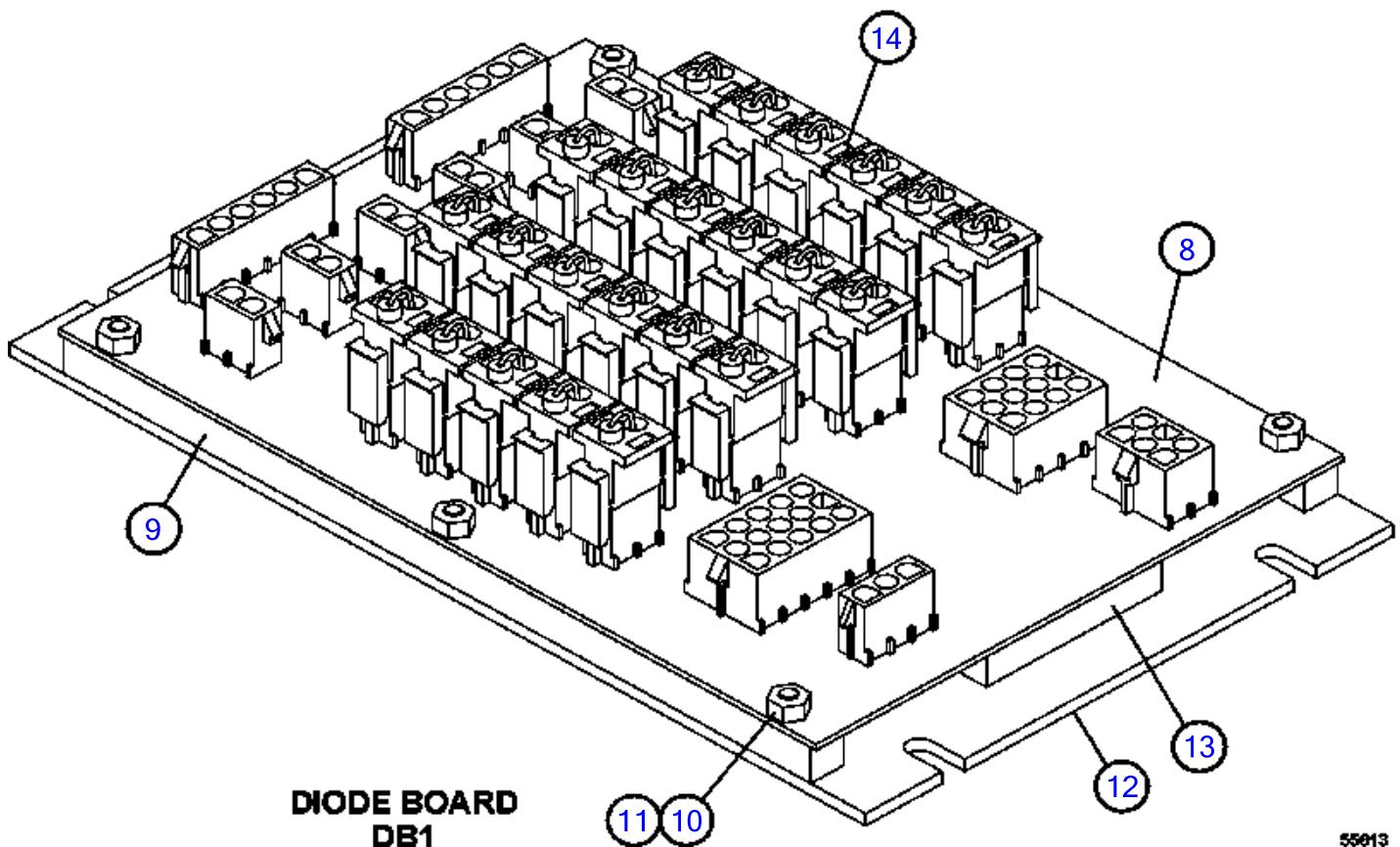
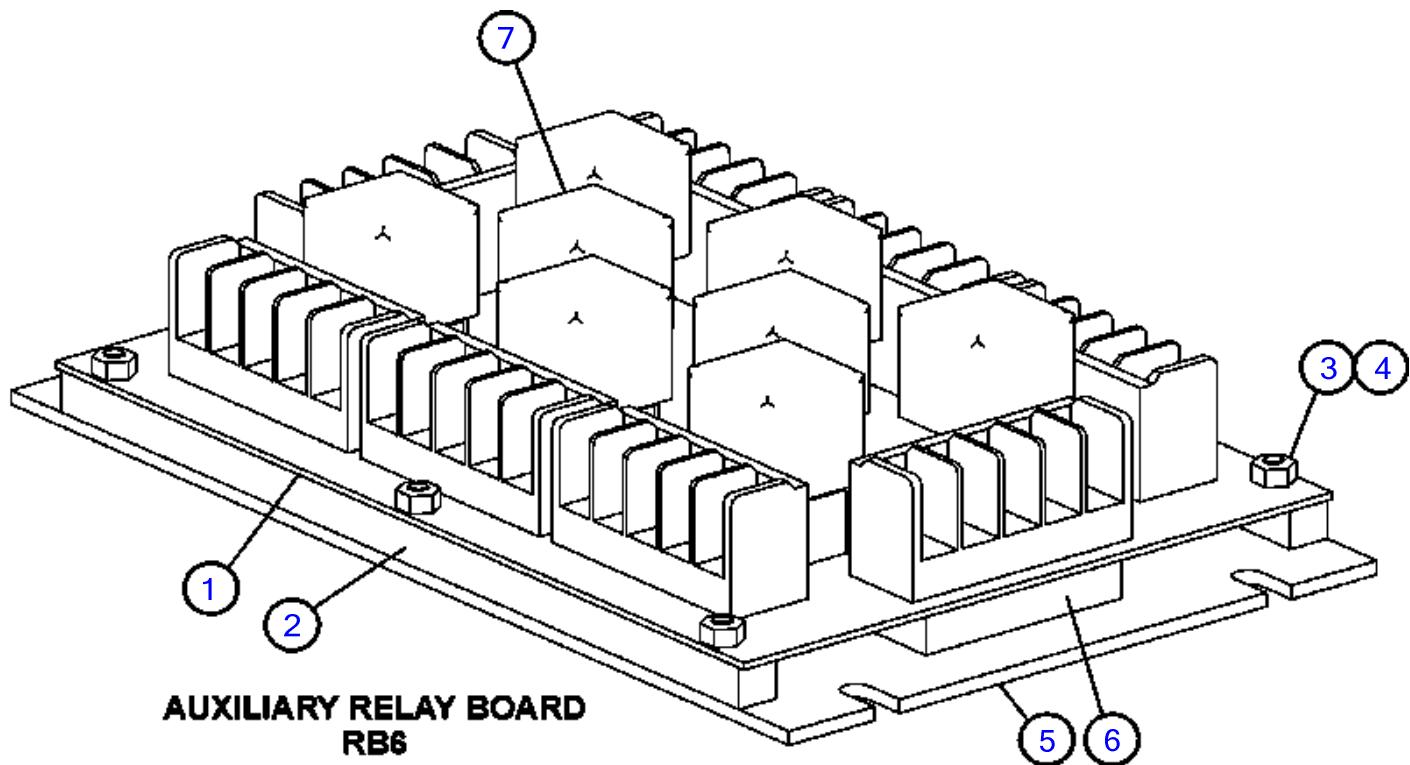
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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA  
RELAY BOARDS**

Item	Part No	Description	Qty
0	EK3808	RELAY BOARD ASSEMBLY - RB1	1
1	SM5646	• BOARD, PRINTED CIRCUIT - RB1	1
2	PC1509	• MACHINE SCREW - #6 - 32NC X 3/4"	12
3	PC1510	• NUT - #6 - 32NC	12
4	EK4986	• RAIL, MOUNTING	10
5	EK4985	• PLATE, MOUNTING	1
6	EK4990	• BLOCK, FOAM	1
7	SM3189	• RELAY	3
8	EH6156	• PLATE, RELAY HOLDDOWN	1
9	SM1602	• MACHINE SCREW - #6 - 32NC	2
10	SM1603	• NUT - #6 - 32NC	2
11	EK3488	• PLATE, CIRCUIT BREAKER MOUNTING	1
12	PC1385	• CIRCUIT BREAKER - 12.5 AMP	2
13	PC1508	• MACHINE SCREW - #10 - 32NF X 3/4"	4
14	WA3367	• NUT ASSEMBLY	8
15	PC1433	• MACHINE SCREW - #10 - 32NF X 1/4"	4
16	EK3804	• WIRE	4
	EK3803	RELAY BOARD ASSEMBLY - RB3	1
	EK3806	RELAY BOARD ASSEMBLY - RB4	1
	EK3811	RELAY BOARD ASSEMBLY - RB5	1
17	SM5403	• BOARD, PRINTED CIRCUIT - RB3	1
	SM5404	• BOARD, PRINTED CIRCUIT - RB4	1
	SM5405	• BOARD, PRINTED CIRCUIT - RB5	1
18	PC1506	• MACHINE SCREW - #8 - 32NC X 3/4"	4
19	PC1516	• NUT - #8 - 32NC	2
20	EK4982	• RAIL, MOUNTING (BOTTOM)	2
21	EK4984	• RAIL, MOUNTING (TOP)	2
22	PC1507	• MACHINE SCREW - #8 - 32NC X 1"	6
23	EK4983	• PLATE, MOUNTING (BOTTOM)	1
24	EK4989	• BLOCK, FOAM	1
25	SM3189	• RELAY	4
26	SM2163	• PLATE, RELAY HOLDDOWN	1
27	SM1624	• MACHINE SCREW - #6 - 32NC X 1/4"	2
28	SM3035	• BOARD, PRINTED CIRCUIT - RB3	1
	SM5652	• BOARD, PRINTED CIRCUIT - RB4	1
	SM3043	• BOARD, PRINTED CIRCUIT - RB5	1
29	PC1515	• MACHINE SCREW - #8 - 32NC X 3/8"	2
30	PC1385	• CIRCUIT BREAKER - 12.5 AMP (RB3)	4
	PC1385	• CIRCUIT BREAKER - 12.5 AMP (RB4)	3
	PC1385	• CIRCUIT BREAKER - 12.5 AMP (RB5)	5
31	EK3804	• WIRE	10
32	PC1433	• MACHINE SCREW - #10 - 32NF X 1/4"	10
33	WA3367	• NUT ASSEMBLY	20
34	PC1508	• MACHINE SCREW - #10 - 32NF X 3/4"	10
35	EK3490	• PLATE, CIRCUIT BREAKER MOUNTING - RB3	1
	EK3491	• PLATE, CIRCUIT BREAKER MOUNTING - RB4	1
	EK3492	• PLATE, CIRCUIT BREAKER MOUNTING - RB5	1
36	PC1505	• MACHINE SCREW - #8 - 32NC X 1/2"	8
37	EK4987	• PLATE, MOUNTING (FRONT)	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

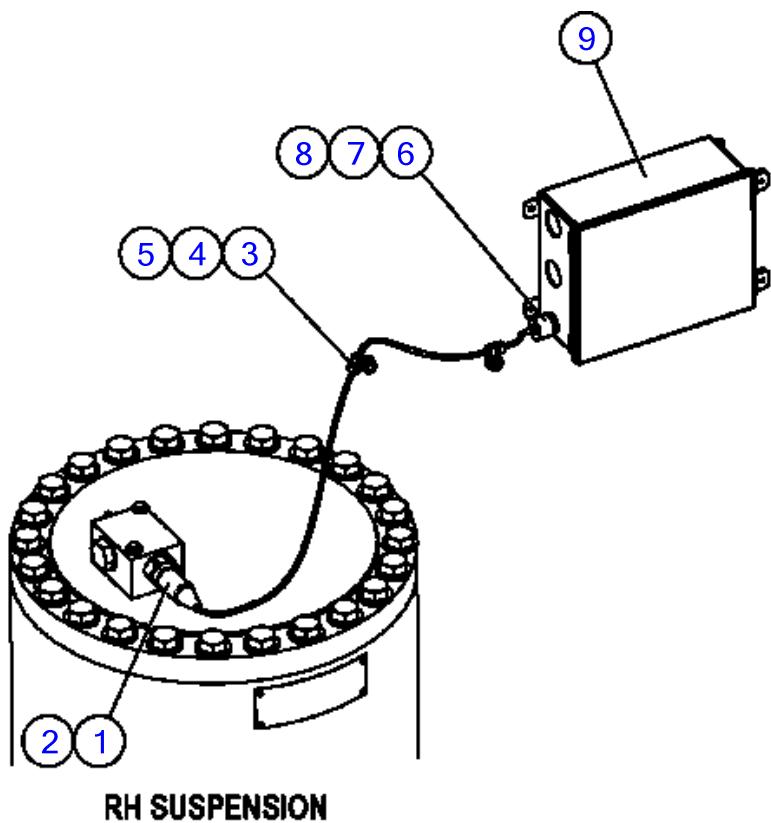


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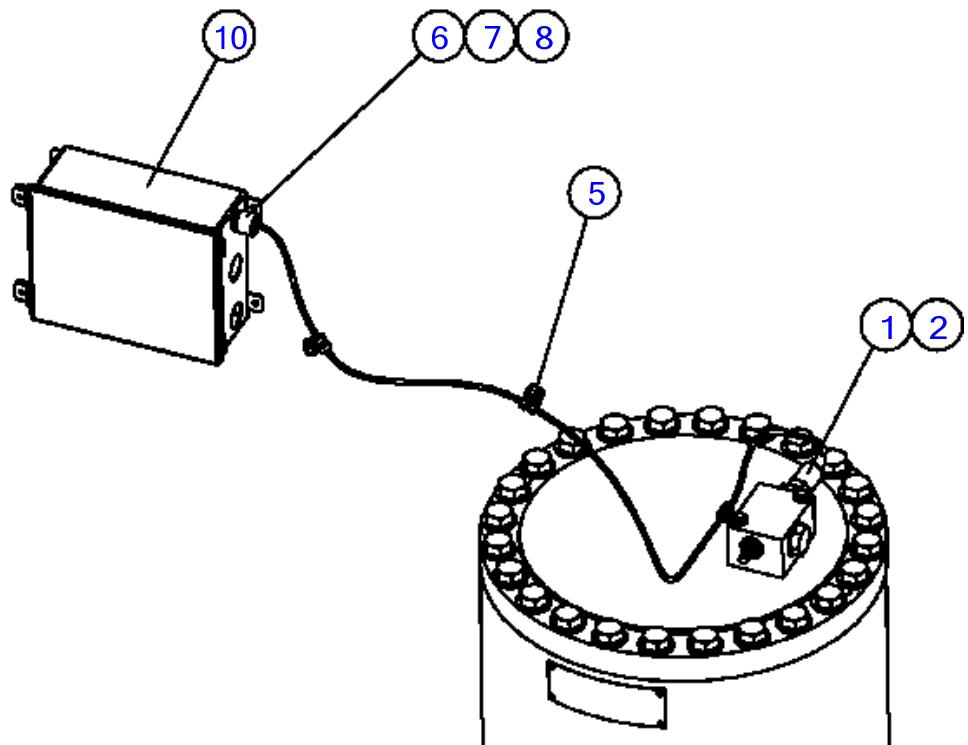
## RELAY AND DIODE BOARDS

Item	Part No	Description	Qty
0	EK4991	RELAY BOARD ASSEMBLY - RB6, RB7, RB8	1
1	SM5408	• BOARD, PRINTED CIRCUIT - RB6, 7 & 8	1
2	EK4982	• RAIL, MOUNTING (BOTTOM)	2
3	PC1506	• MACHINE SCREW - #8 - 32NC X 3/4"	6
4	PC1516	• NUT - #8 - 32NC	6
5	EK4983	• PLATE, MOUNTING (BOTTOM)	1
6	EK4988	• BLOCK, FOAM	1
7	SM3189	• RELAY	8
	EK4993	DIODE BOARD ASSEMBLY - DB1	1
8	SM5406	• BOARD, PRINTED CIRCUIT - DB1	1
9	EK4982	• RAIL, MOUNTING (BOTTOM)	2
10	PC1506	• MACHINE SCREW - #8 - 32NC X 3/4"	6
11	PC1516	• NUT - #8 - 32NC	6
12	EK4983	• PLATE, MOUNTING (BOTTOM)	1
13	EK4988	• BLOCK, FOAM	1
14	SM3124	• DIODE	23

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA



RH SUSPENSION



LH SUSPENSION

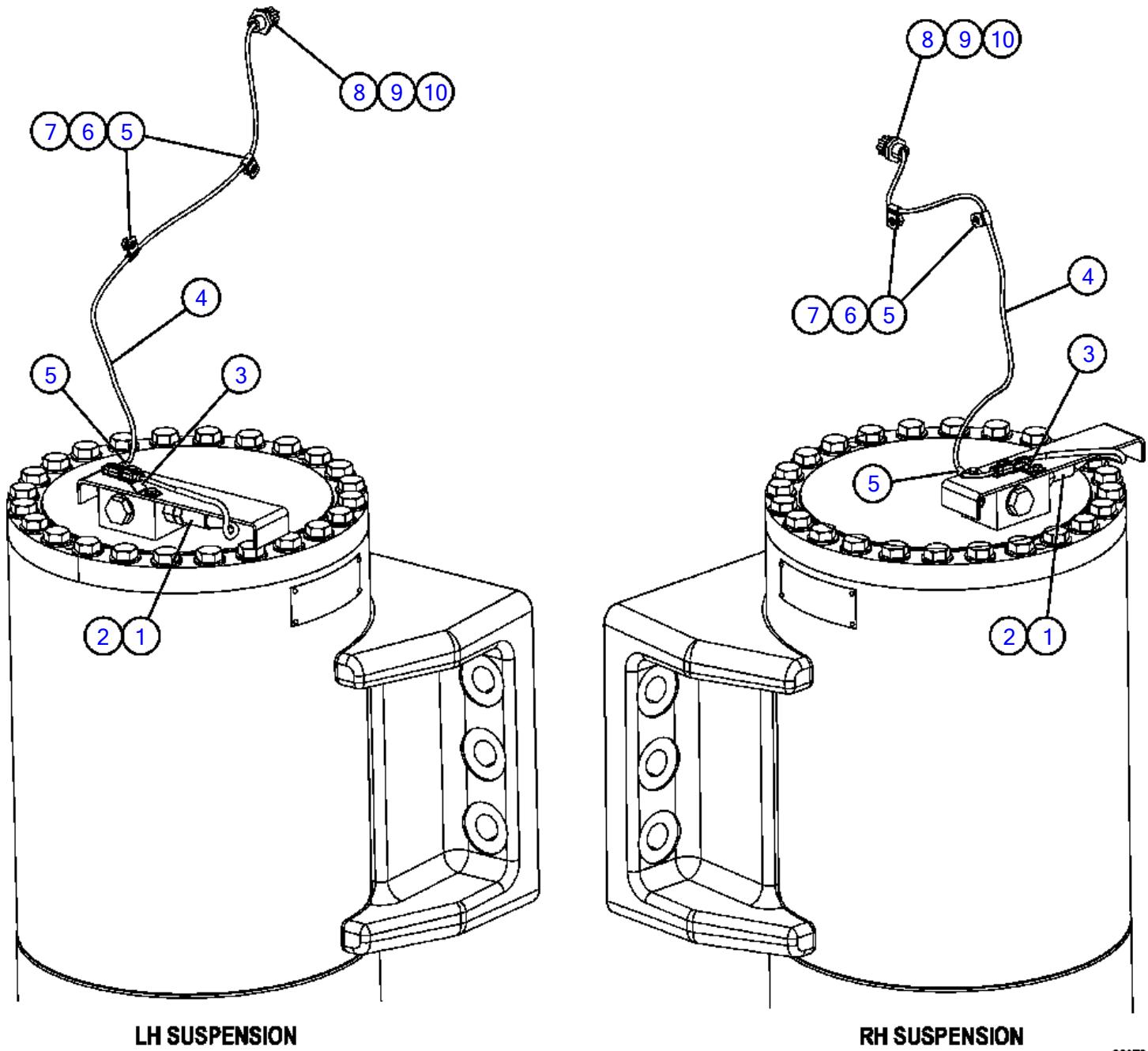
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 A31597 ANTAMINA

### PLM SENSOR - FRONT SUSPENSIONS (S/N A31432 - 66)

Item	Part No	Description	Qty	Page
1	EH1251	LOAD WEIGH VALVE ASSEMBLY	2	
	TZ8627	• BODY, VALVE	2	
	TD7179	• CORE, VALVE	2	
2	PC1578	SENSOR, PRESSURE	2	
	07000-51009	• O-RING	2	
3	MM0461	FLAT WASHER - M10	2	
4	MM0178	NUT - M10 X 1.50	2	
5	WB1301	CLAMP, CUSHIONED - 1/4"	5	
6	VZ3046	CORD GRIP	2	
7	VG4399	BUSHING, CONDULET - 1/2"	2	
8	VM5587	LOCKNUT, CONDULET - 1/2"	2	
9	EK5824	JUNCTION BOX ASSEMBLY - R.H. (SEE INDEX)	1	412
10	EK5822	JUNCTION BOX ASSEMBLY - L.H. (SEE INDEX)	1	414

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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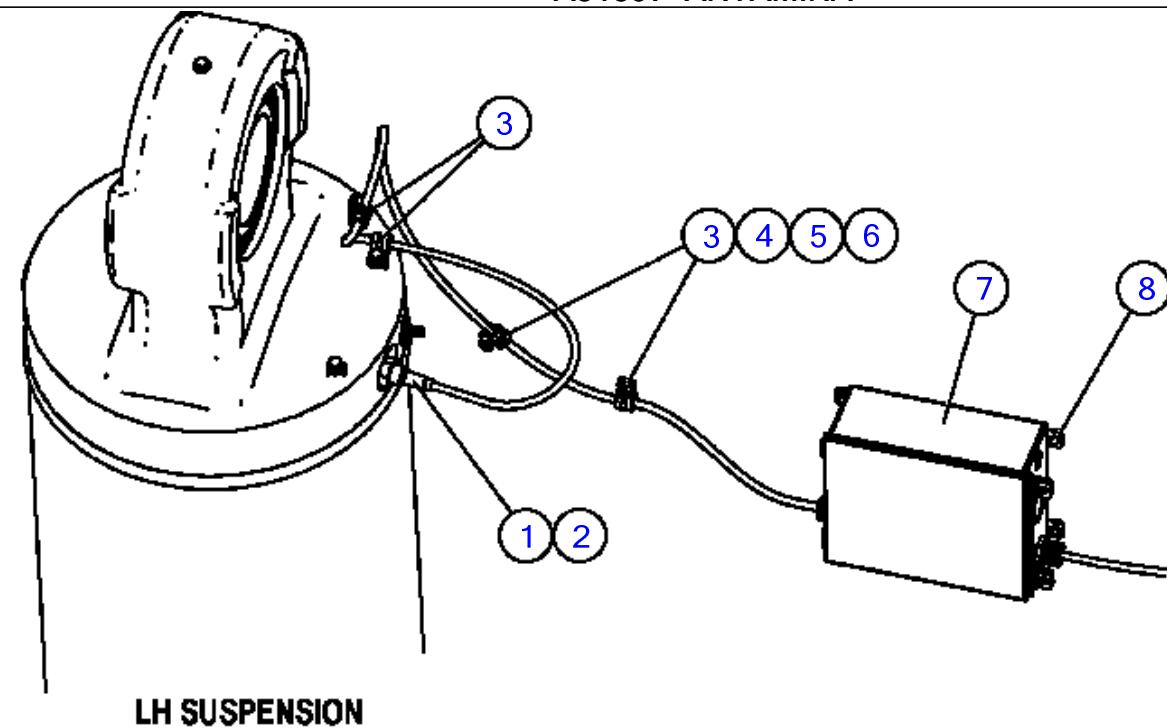


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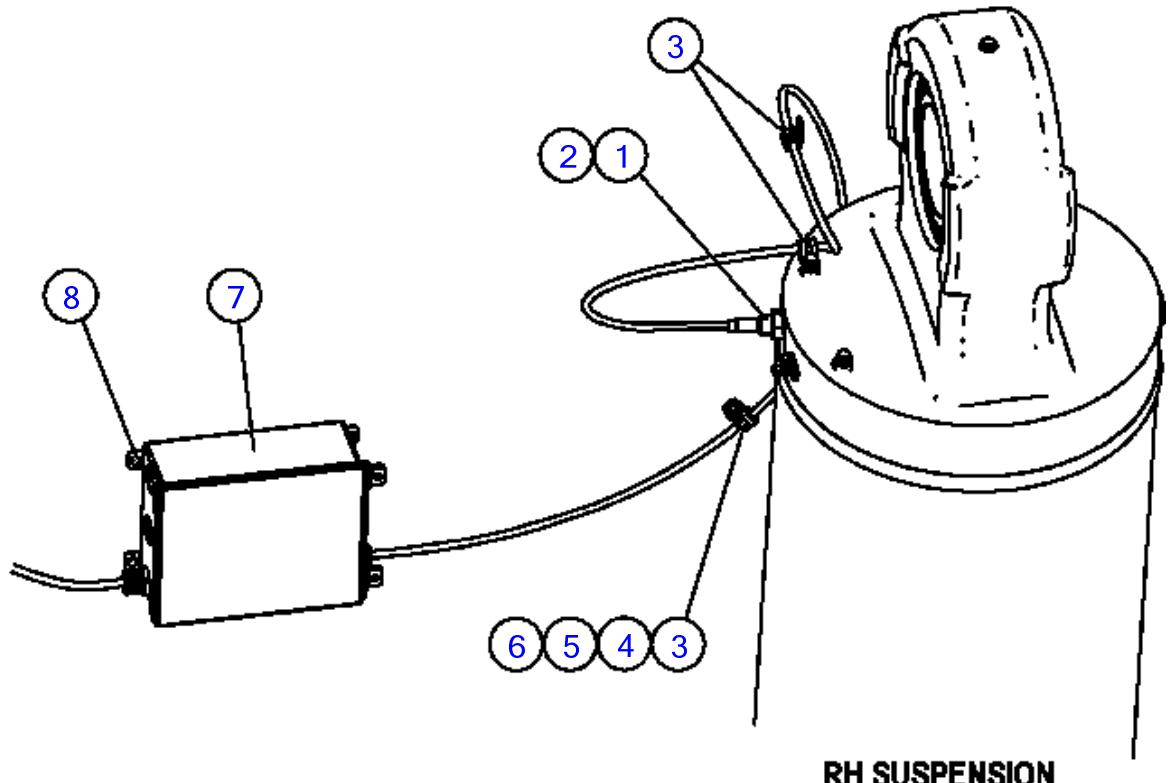
### PLM SENSOR - FRONT SUSPENSIONS (S/N A31475 & UP)

Item	Part No	Description	Qty
1	EH1251	LOAD WEIGH VALVE ASSEMBLY	2
	TZ8627	• BODY, VALVE	2
	TD7179	• CORE, VALVE	2
2	58E-06-10050	PRESSURE SENSOR ASSEMBLY	2
	PC1578	• SENSOR, PRESSURE	1
	07000-51009	• • O-RING	1
	XB6436	• PLUG ASSEMBLY, 2-POSITION	1
	58E-06-02380	• TUBE, HEAT SHRINK	1
	08191-07320	• PIN, CONTACT	2
	08192-12300	• WEDGE	1
	58B-06-00010	• RECEPTACLE	1
3	08193-20012	CLIP	2
4	58E-06-02740	HARNESS, WIRING	2
5	WB1301	CLAMP, CUSHIONED - 1/4"	6
6	MM0461	FLAT WASHER - M10	2
7	MM0178	NUT - M10 X 1.50	2
8	VM5736	CORD GRIP	2
9	VG4399	BUSHING, CONDULET - 1/2"	2
10	VM5587	LOCKNUT, CONDULET - 1/2"	2

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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LH SUSPENSION



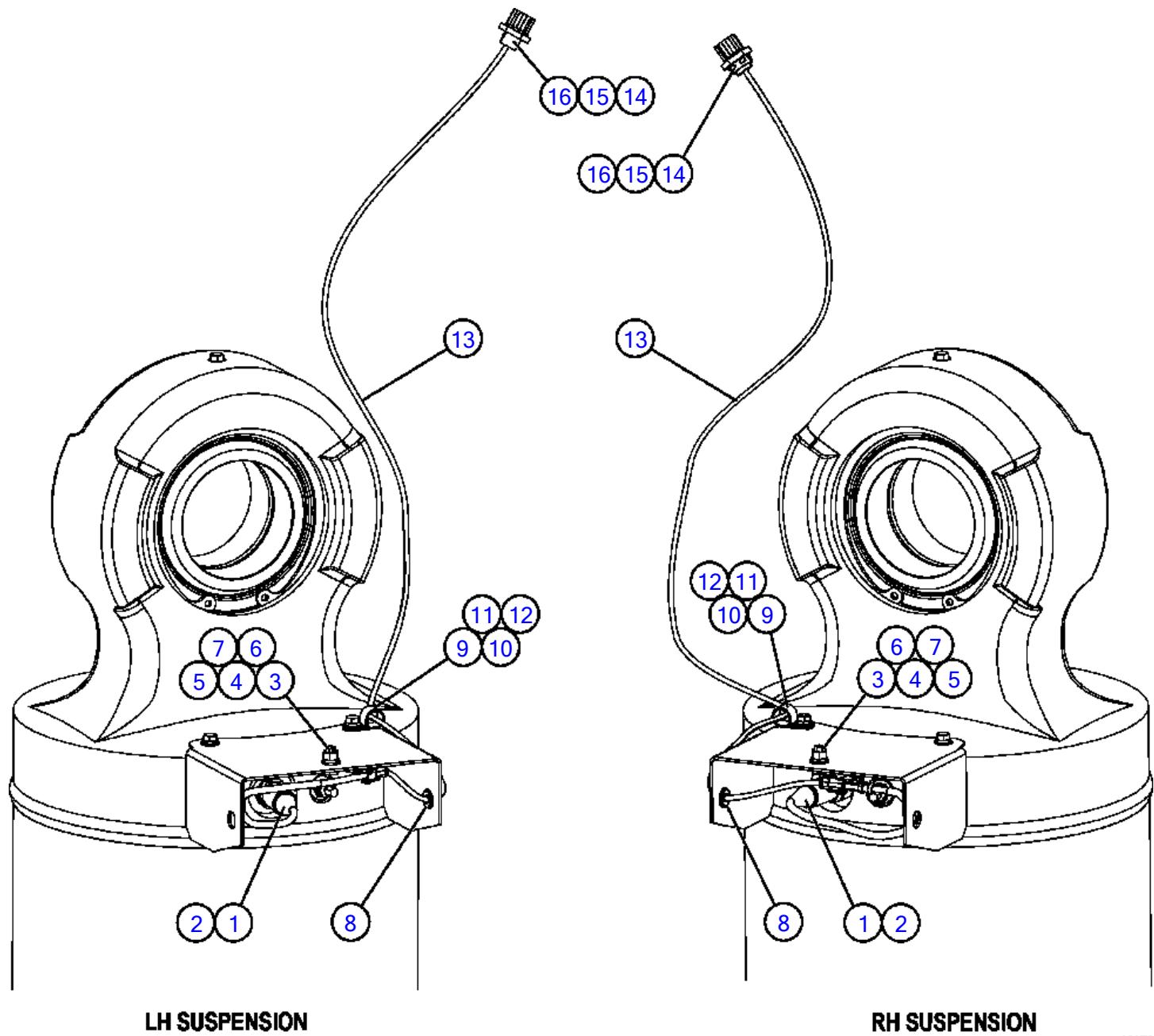
RH SUSPENSION

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31597 ANTAMINA

**PLM SENSOR - REAR SUSPENSIONS (S/N A31432 - 66)**

Item	Part No	Description	Qty	Page
1	EH1251	LOAD WEIGH VALVE ASSEMBLY	2	
	TZ8627	• BODY, VALVE	2	
	TD7179	• CORE, VALVE	2	
2	PC1578	SENSOR, PRESSURE	2	
	07000-51009	• O-RING	2	
3	WB3097	CLAMP, CUSHIONED - 1/2"	7	
4	MM0461	FLAT WASHER - M10	3	
5	MM0471	LOCKWASHER - M10	3	
6	MM0178	NUT - M10 X 1.50	3	
7	XB5566	JUNCTION BOX ASSEMBLY - REAR (SEE INDEX)	1	
8	MM0580	CAPSCREW - M6 X 1.00 X 14	4	416

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

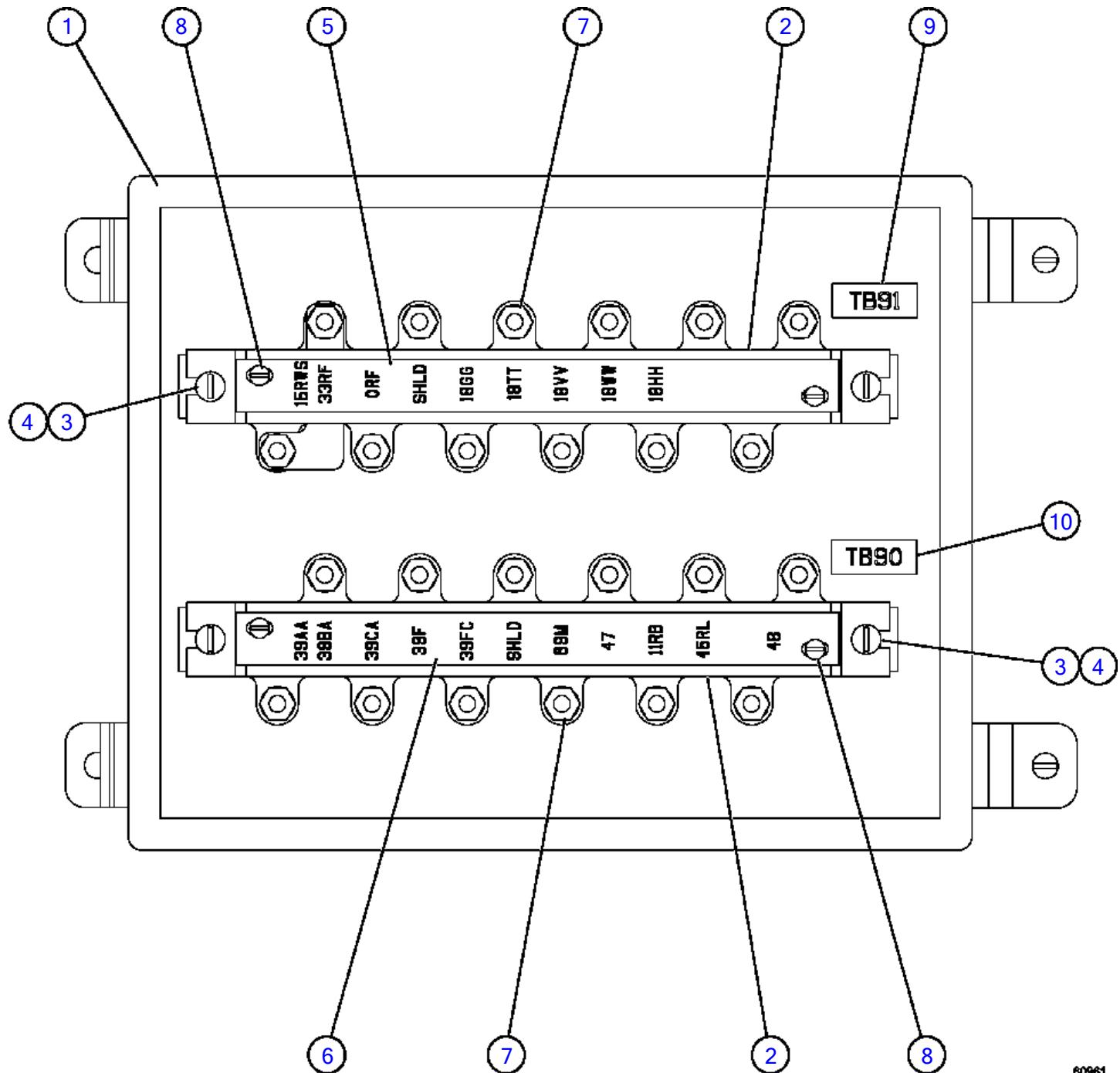


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**PLM SENSOR - REAR SUSPENSIONS (S/N A31475 & UP)**

Item	Part No	Description	Qty
1	EH1251	LOAD WEIGH VALVE ASSEMBLY	2
	TZ8627	• BODY, VALVE	2
	TD7179	• CORE, VALVE	2
2	58E-06-10050	PRESSURE SENSOR ASSEMBLY	2
	PC1578	• SENSOR, PRESSURE	1
	07000-51009	• • O-RING	1
	XB6436	• PLUG ASSEMBLY, 2-POSITION	1
	58E-06-02380	• TUBE, HEAT SHRINK	1
	08191-07320	• PIN, CONTACT	2
	08192-12300	• WEDGE	1
	58B-06-00010	• RECEPTACLE	1
3	MM0605	CAPSCREW - M10 X 1.50 X 25	2
4	MM0461	FLAT WASHER - M10	4
5	08193-20012	CLIP	2
6	MM0471	LOCKWASHER - M10	2
7	MM0719	NUT - M10 X 1.50	2
8	TD2186	GROMMET, RUBBER	2
9	WB1303	CLAMP, CUSHIONED - 3/4"	2
10	C1603	CAPSCREW - 3/8" - 16NC X 1 1/4"	2
11	C0312	LOCKWASHER - 3/8"	2
12	WA0720	FLAT WASHER - 3/8"	2
13	58E-06-02740	HARNESS, WIRING	2
14	VM5736	CORD GRIP	2
15	VG4399	BUSHING, CONDULET - 1/2"	2
16	VM5587	LOCKNUT, CONDULET - 1/2"	2

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



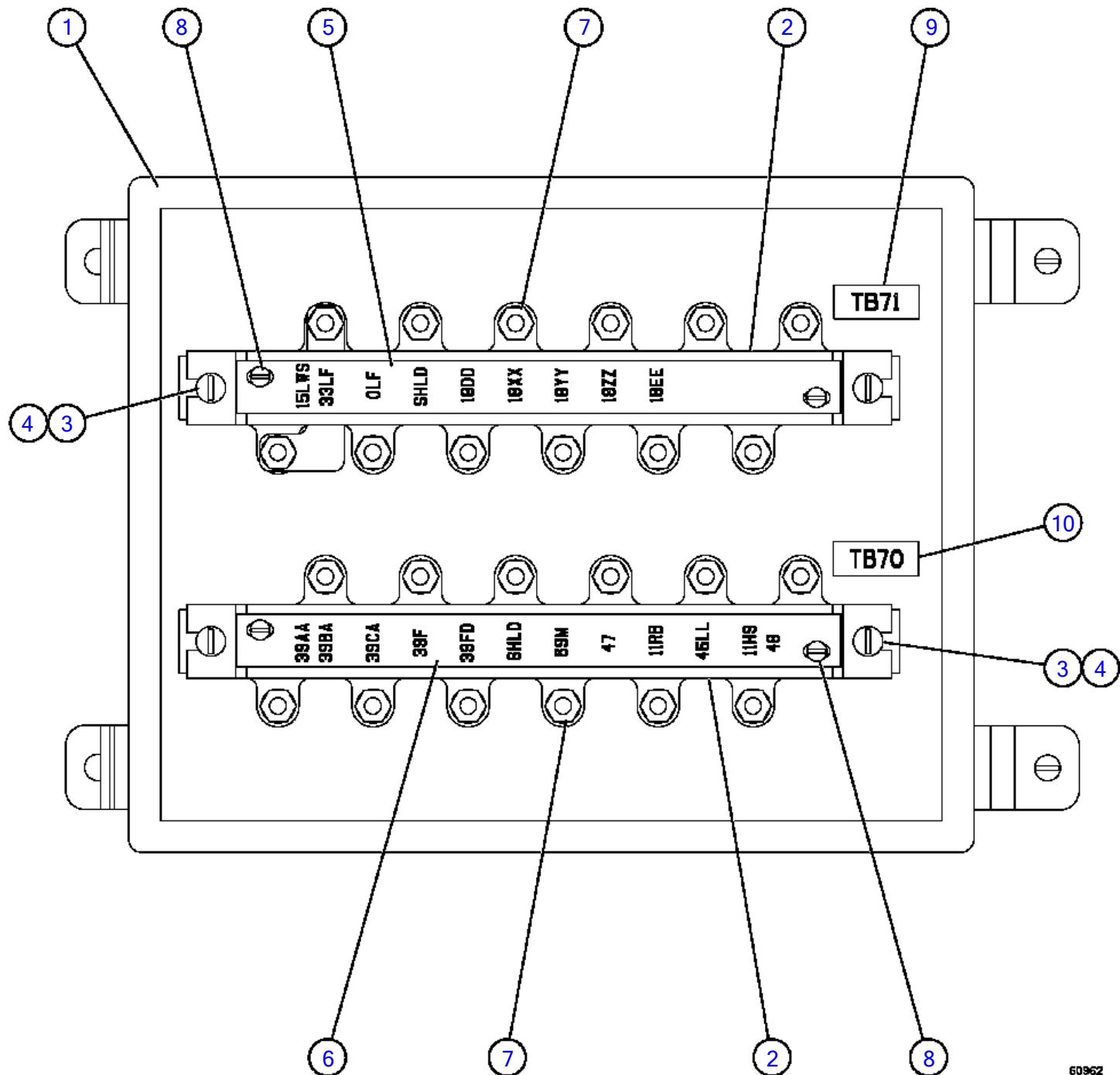
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

JUNCTION BOX ASSEMBLY - R.H. EK5824

Item	Part No	Description	Qty
1	EK1411	BOX W/COVER	1
2	VS8479	BOARD, TERMINAL	2
3	VF2231	MACHINE SCREW - #10 - 24NC X 3/8"	4
4	DC3101	LOCKWASHER - #10	4
5	WB1247	STRIP, CIRCUIT ID	1
6	WB1246	STRIP, CIRCUIT ID	1
7	WA3367	NUT ASSEMBLY	24
8	VM2951	SCREW, SELF-TAPPING - #6 - 32NC X 5/16"	4
9	WB1249	NAME PLATE - TB91	1
10	WB1248	NAME PLATE - TB90	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



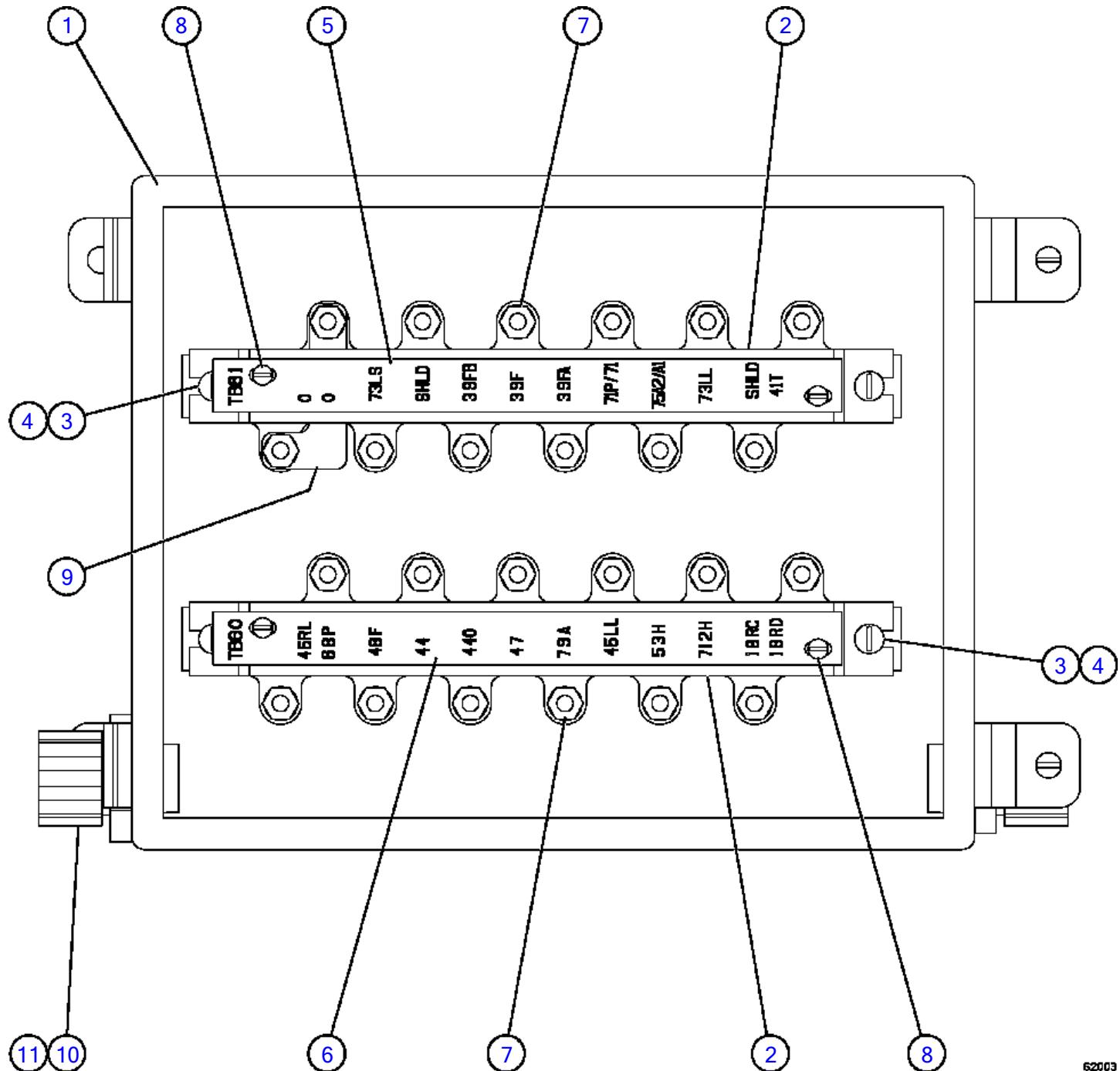
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**JUNCTION BOX ASSEMBLY - L.H. EK5822**

Item	Part No	Description	Qty
1	EK1411	BOX W/COVER	1
2	VS8479	BOARD, TERMINAL	2
3	VF2231	MACHINE SCREW - #10 - 24NC X 3/8"	4
4	DC3101	LOCKWASHER - #10	4
5	WB1243	STRIP, CIRCUIT ID	1
6	WB1242	STRIP, CIRCUIT ID	1
7	WA3367	NUT ASSEMBLY	24
8	VM2951	SCREW, SELF-TAPPING - #6 - 32NC X 5/16"	4
9	WB1245	NAME PLATE - TB71	1
10	WB1244	NAME PLATE - TB70	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



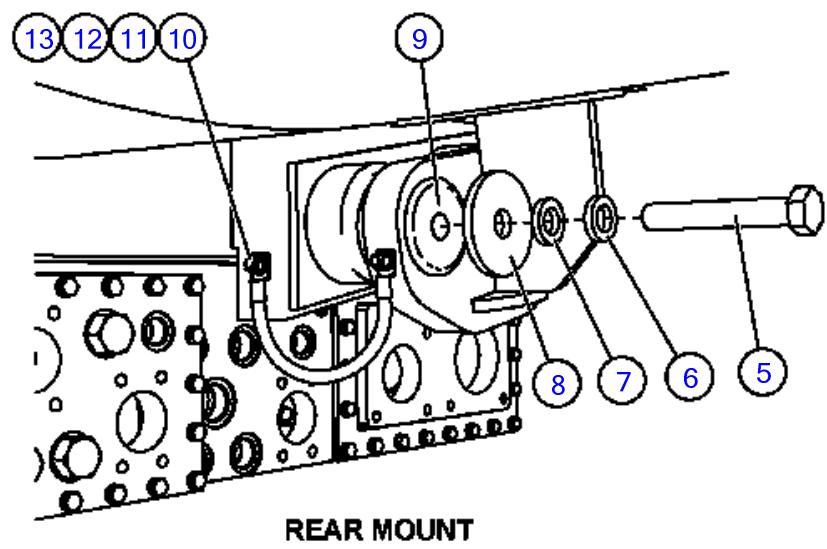
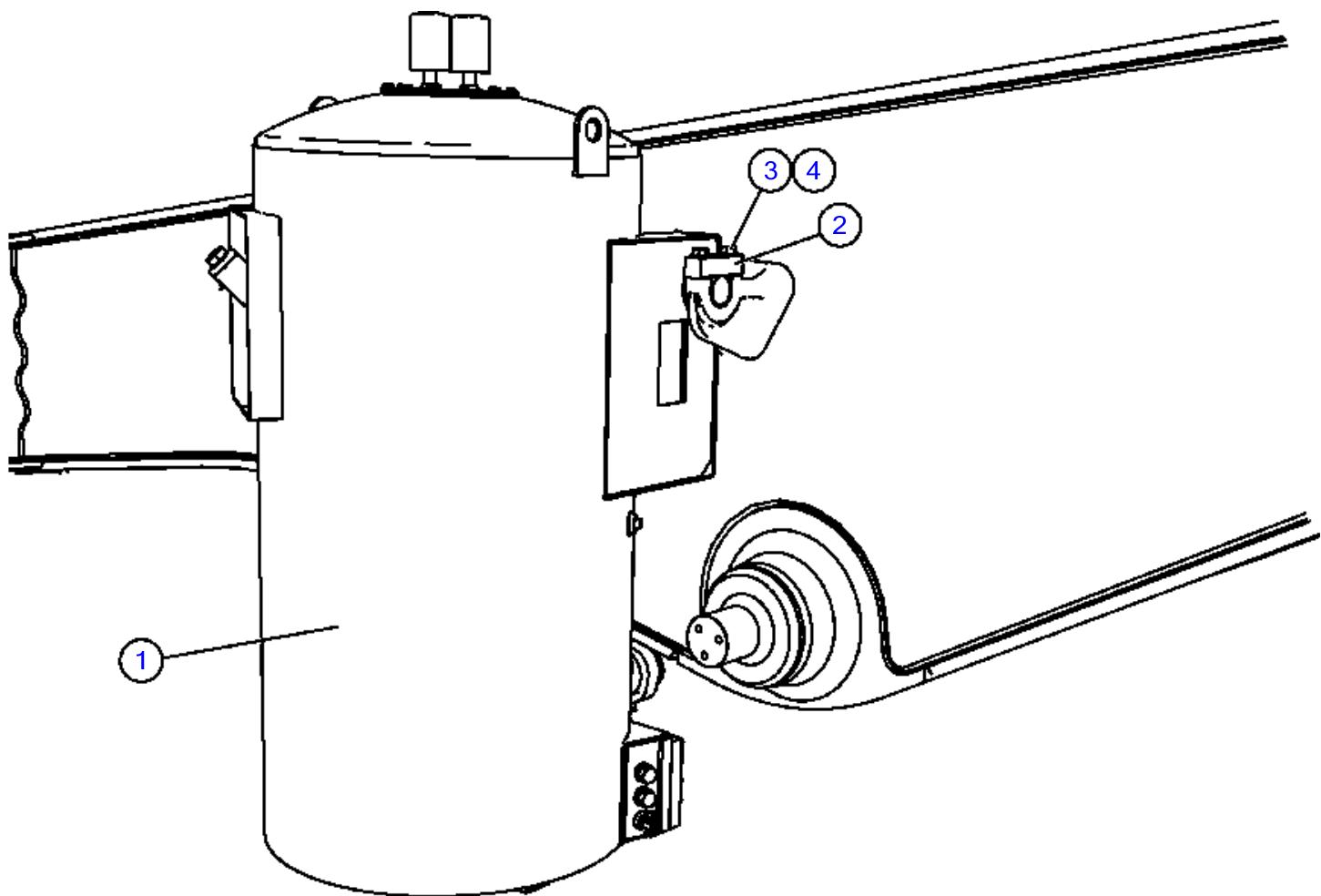
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**JUNCTION BOX ASSEMBLY - REAR      XB5566**

Item	Part No	Description	Qty
1	EK1411	BOX W/COVER	1
2	VS8479	BOARD, TERMINAL	2
3	VF2231	MACHINE SCREW - #10 - 24NC X 3/8"	4
4	DC3101	LOCKWASHER - #10	4
5	WB3724	STRIP, CIRCUIT ID	1
6	WB3732	STRIP, CIRCUIT ID	1
7	WA3367	NUT ASSEMBLY	24
8	VM2951	SCREW, SELF-TAPPING - #6 - 32NC X 5/16"	4
9	EB7418	BAR, BUS	1
10	VZ3046	CORD GRIP	2
11	VM5587	LOCKNUT, CONDULET - 1/2"	2

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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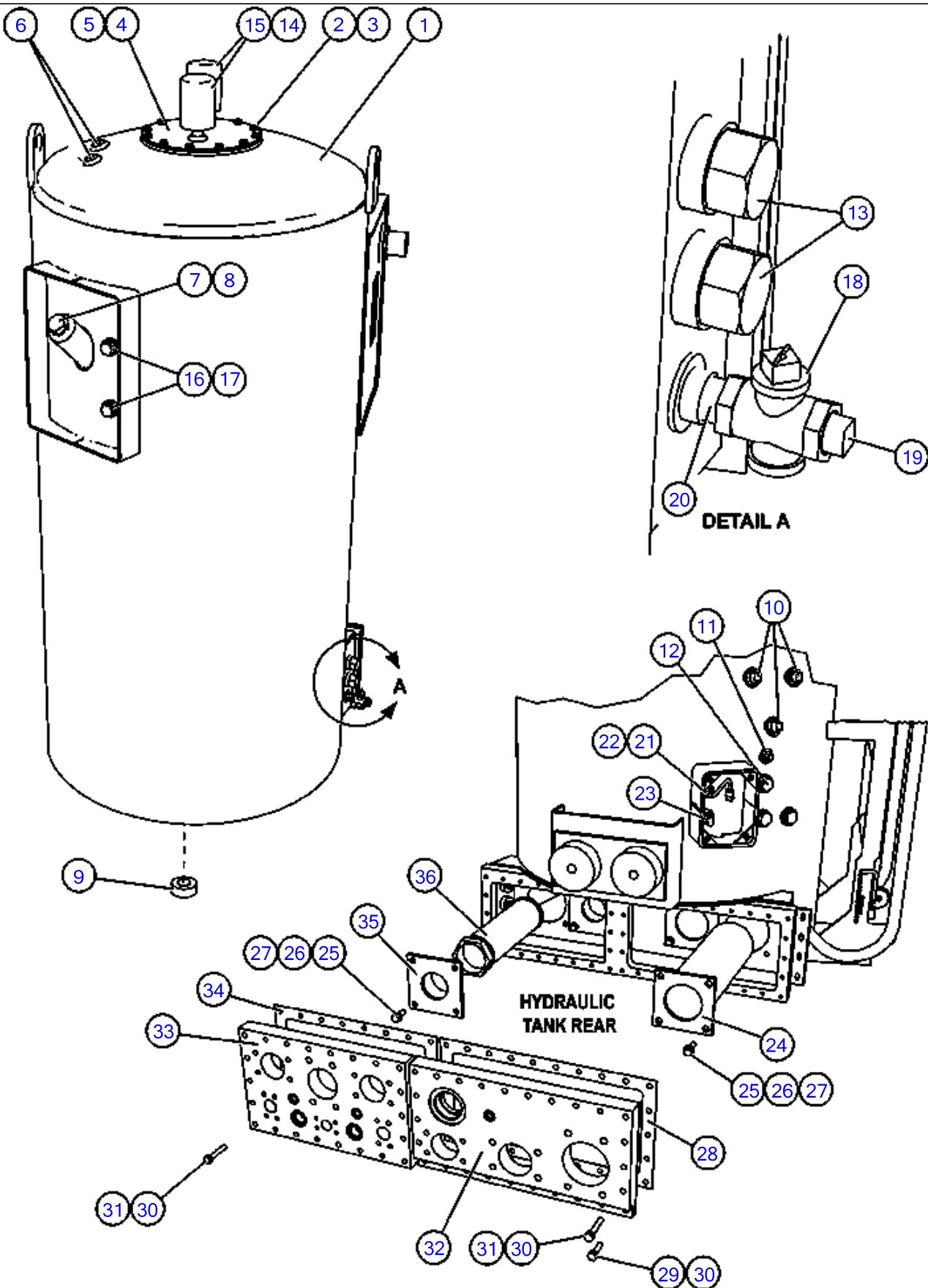
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 A31597 ANTAMINA

## HYDRAULIC TANK INSTALLATION

Item	Part No	Description	Qty	Page
1		HYDRAULIC TANK ASSEMBLY (SEE FIG 62032)	1	420
2	TY4907	CAP	2	
3	C1669	CAPSCREW - 1" - 8NC X 3 1/2"	4	
4	WA4733	FLAT WASHER - 1" (HARDENED)	4	
5	MM0163	CAPSCREW - M24 X 3.00 X 160	2	
6	MM0476	LOCKWASHER - M24	2	
7	MM0708	FLAT WASHER - M24 (HARDENED)	2	
8	ED9895	WASHER	2	
9	PC0780	MOUNT, RUBBER - TWO PIECE	2	
10	VN5153	WIRE, GROUND	1	
11	MM0461	FLAT WASHER - M10	2	
12	MM0471	LOCKWASHER - M10	2	
13	MM0178	NUT - M10 X 1.50	2	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

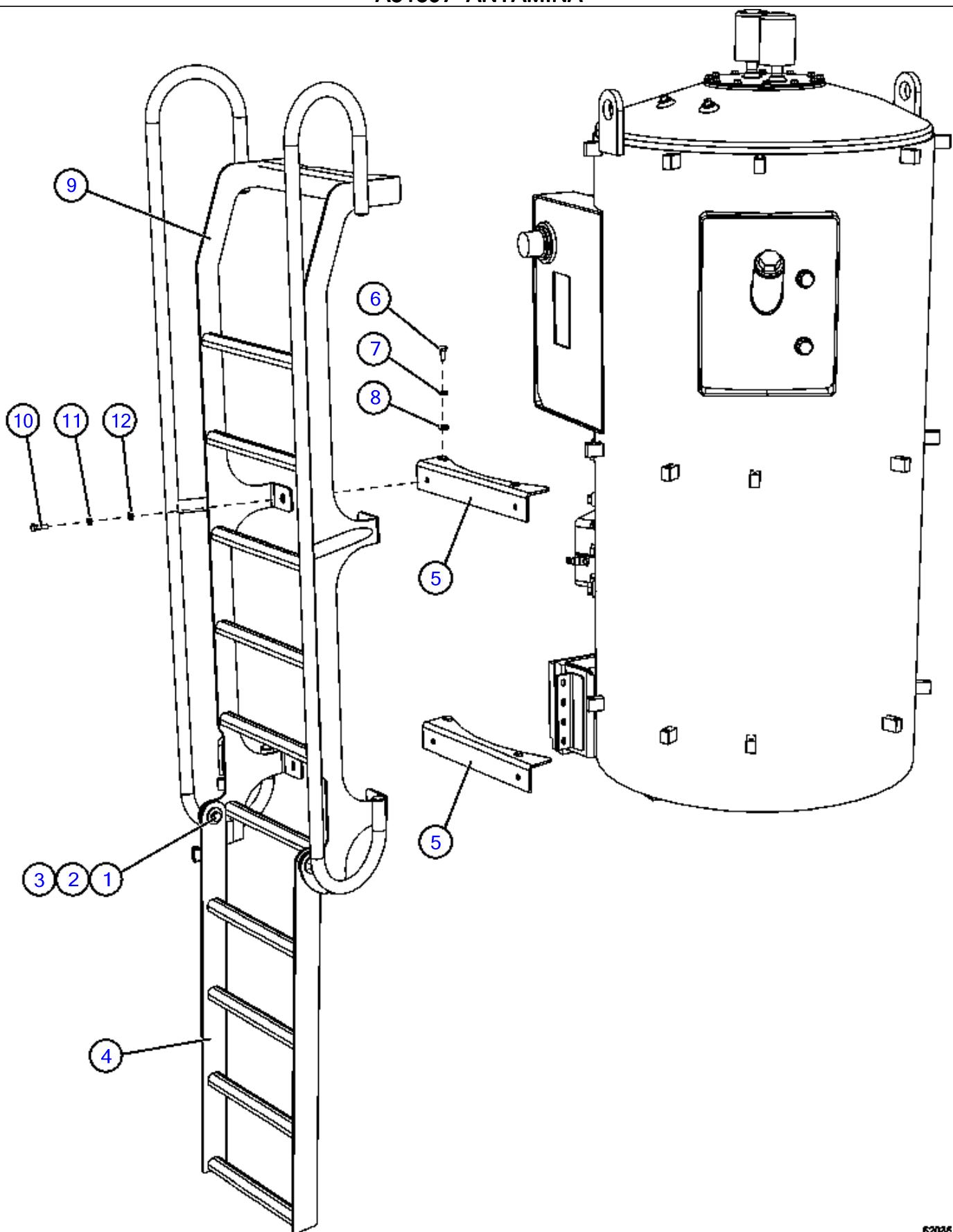


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### HYDRAULIC TANK ASSEMBLY

Item	Part No	Description	Qty
1	XC1340	HYDRAULIC TANK W/ COVERS	1
2	MM0605	• CAPSCREW - M10 X 1.50 X 25	12
3	MM0713	• FLAT WASHER - M10 (HARDENED)	12
4	EK5035	• COVER	1
5	PB0699	• GASKET	1
6	R2028	• PLUG, PIPE - 3/4"	2
7	TB0623	• PLUG, CAP	1
8	VL4534	• O-RING	1
9	EH7675	• PLUG, DRAIN - 2" (MAGNETIC)	1
10	C5772	• PLUG, PIPE - 1"	4
11	C5771	• PLUG, PIPE - 1/2"	4
12	VM0317	• PLUG	6
13	VM0319	• PLUG	2
14	PB5556	FILTER, SPIN-ON	2
15	PB5557	ADAPTER, FILTER	2
16	DA5893	GAUGE, SIGHT	2
17	TH5604	O-RING	2
18	TF6957	DRAIN COCK	1
19	C5771	PLUG, PIPE - 1/2"	1
20	E2579	NIPPLE, CLOSE	1
21	PB2639	PROBE, OIL LEVEL	1
22	PB3019	REDUCER, BAFFLED	1
23	AK7339	SENSOR, TEMPERATURE	1
24	PB5526	STRAINER	2
25	MM0620	CAPSCREW - M12 X 1.75 X 40	16
26	MM0472	LOCKWASHER - M12	16
27	MM0462	FLAT WASHER - M12	16
28	EH7674	GASKET	1
29	MM0056	CAPSCREW - M10 X 1.50 X 40	10
30	MM0471	LOCKWASHER - M10	48
31	MM0073	CAPSCREW - M10 X 1.50 X 60	38
32	EH7672	PLATE, SUCTION COVER	1
33	EH7671	PLATE, RETURN COVER	1
34	EH7673	GASKET	1
35	TY7922	FLANGE	2
36	PC0007	DIFFUSER	2

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

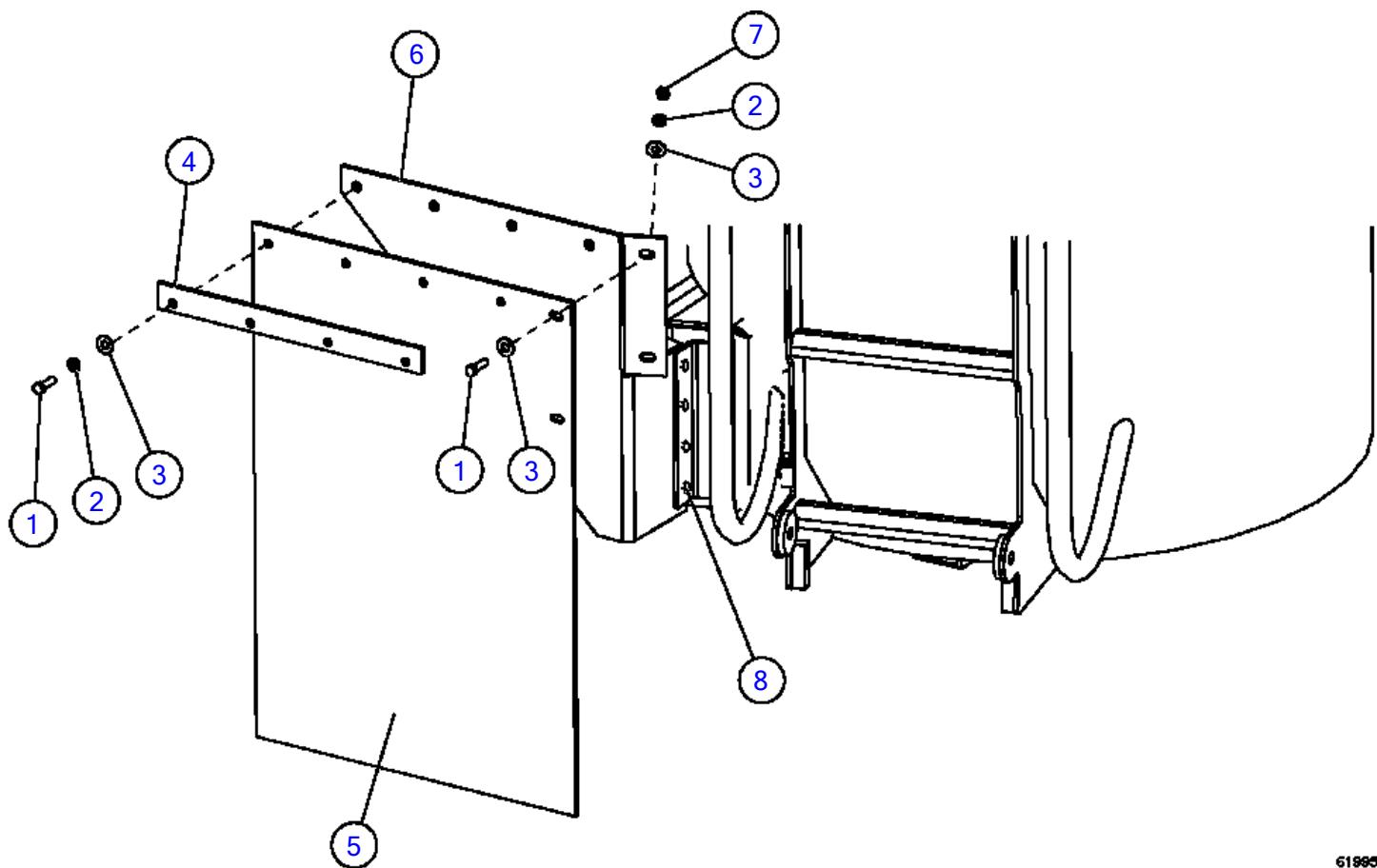


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### HYDRAULIC TANK LADDER

Item	Part No	Description	Qty
1	VL7692	CAPSCREW - 5/8" - 11NC X 2"	2
2	WA4863	FLAT WASHER - 5/8"	4
3	VN9952	LOCKNUT - 5/8" - 11NC	2
4	EM9275	LADDER	1
5	EM9955	BRACKET	2
6	MM0620	CAPSCREW - M12 X 1.75 X 40	6
7	MM0472	LOCKWASHER - M12	6
8	MM0714	FLAT WASHER - M12 (HARDENED)	6
9	XB5767	LADDER	1
10	MM0607	CAPSCREW - M10 X 1.50 X 35	4
11	MM0471	LOCKWASHER - M10	4
12	MM0713	FLAT WASHER - M10 (HARDENED)	4

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



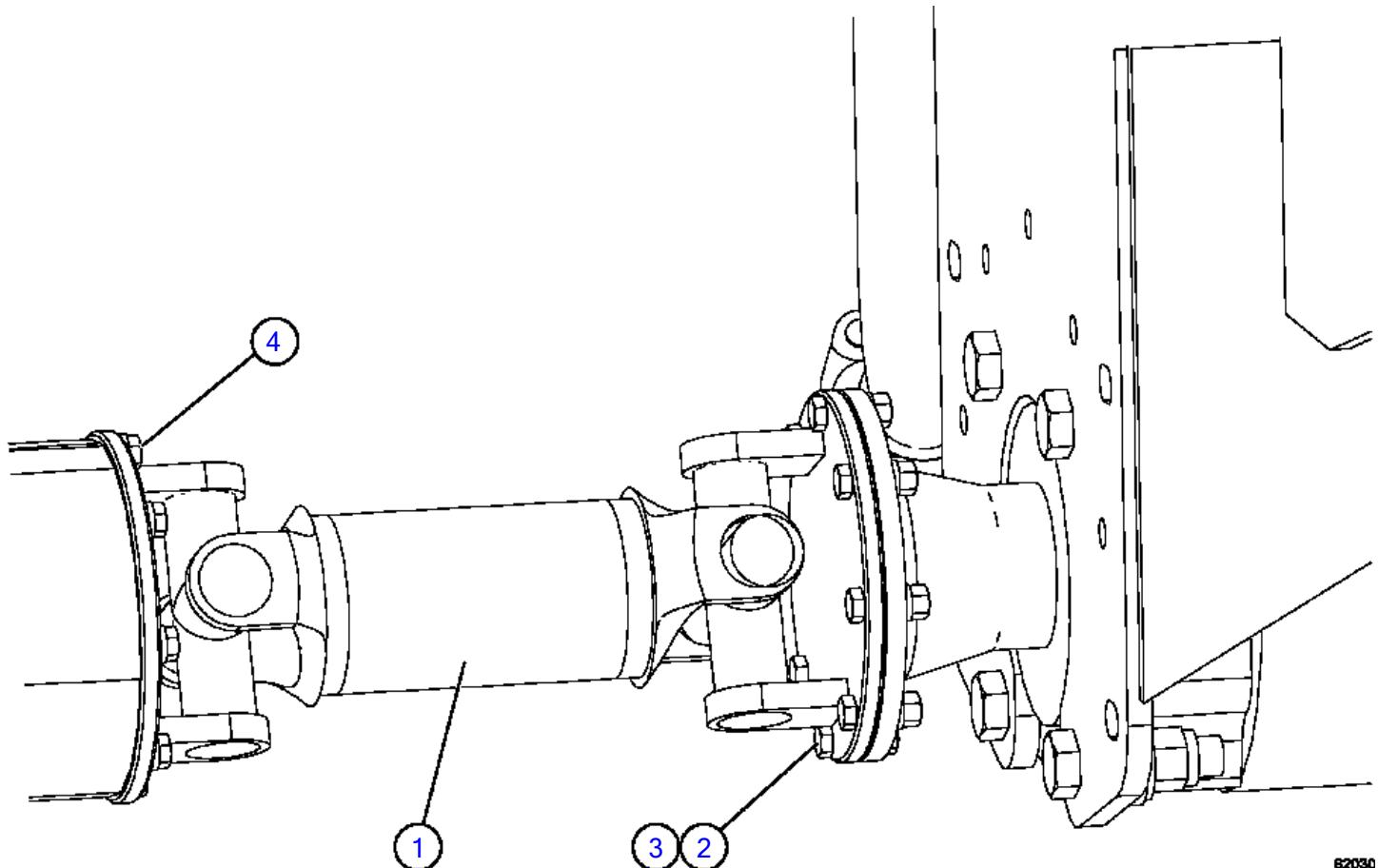
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### HYDRAULIC TANK MUD FLAP

Item	Part No	Description	Qty
1	C1603	CAPSCREW - 3/8" - 16NC X 1 1/4"	6
2	C0312	LOCKWASHER - 3/8"	6
3	WA0720	FLAT WASHER - 3/8" (HARDENED)	8
4	TZ3103	BAR	1
5	XB5485	MUD FLAP	1
6	EM1775	BRACKET	1
7	C1521	NUT - 3/8" - 16NC	2
8	MM0079	CAPSCREW - M10 X 1.50 X 70	3

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

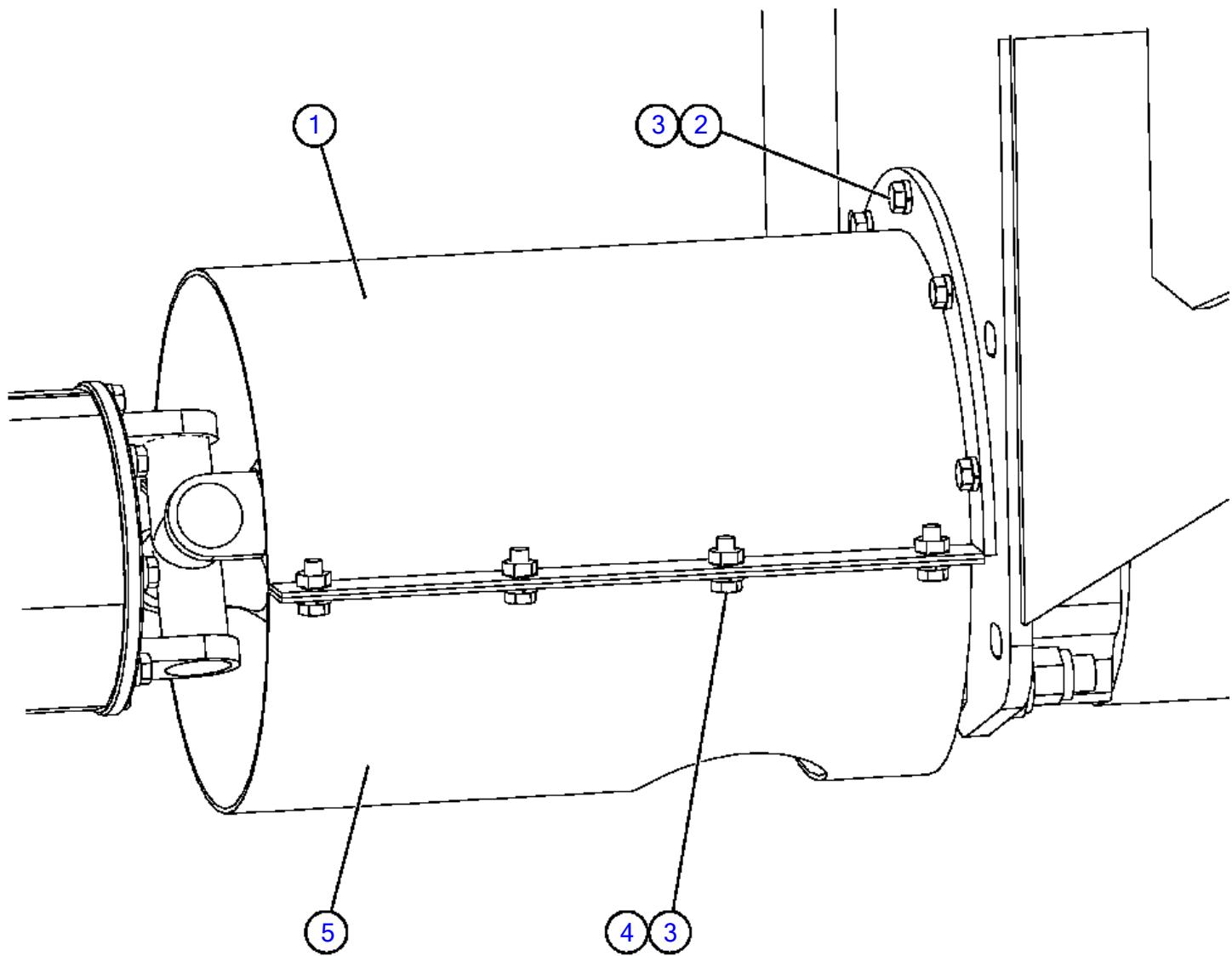


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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA

## DRIVESHAFT INSTALLATION

Item	Part No	Description	Qty	Page
1	PC0183	DRIVESHAFT ASSEMBLY (SEE INDEX)	1	430
2	WA0386	NUT - 3/8" - 16NC	8	
3	VN9037	CAPSCREW - 3/8" - 16NC X 1 1/4"	8	
4	SG7814	CAPSCREW - 3/8" - 24NF X 1 1/4"	8	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

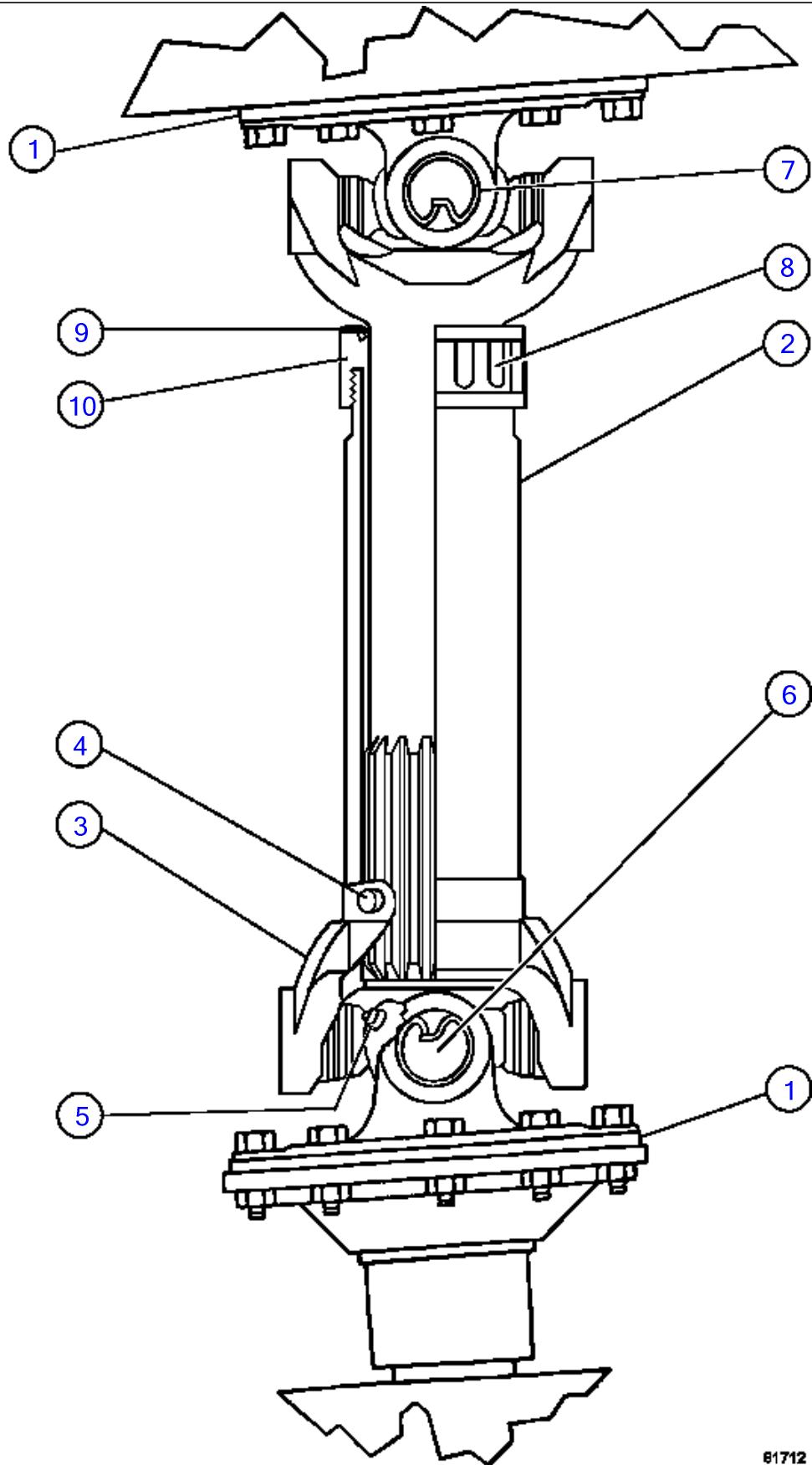


617112

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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA**  
**DRIVESHAFT GUARD**

Item	Part No	Description	Qty
1	EJ9748	COVER, TOP	1
2	TD0791	CAPSCREW - 3/8" - 16NC X 1 1/4"	5
3	TC1231	LOCKWASHER - 3/8"	15
4	TL7218	CAPSCREW - 3/8" - 16NC X 7/8"	8
5	EJ9749	COVER, BOTTOM	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



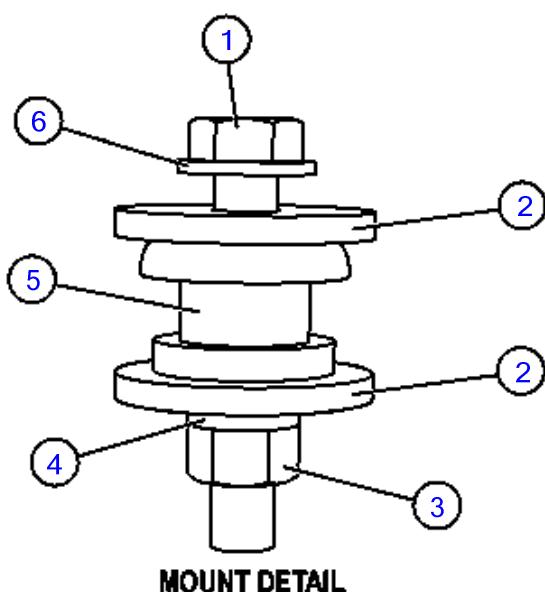
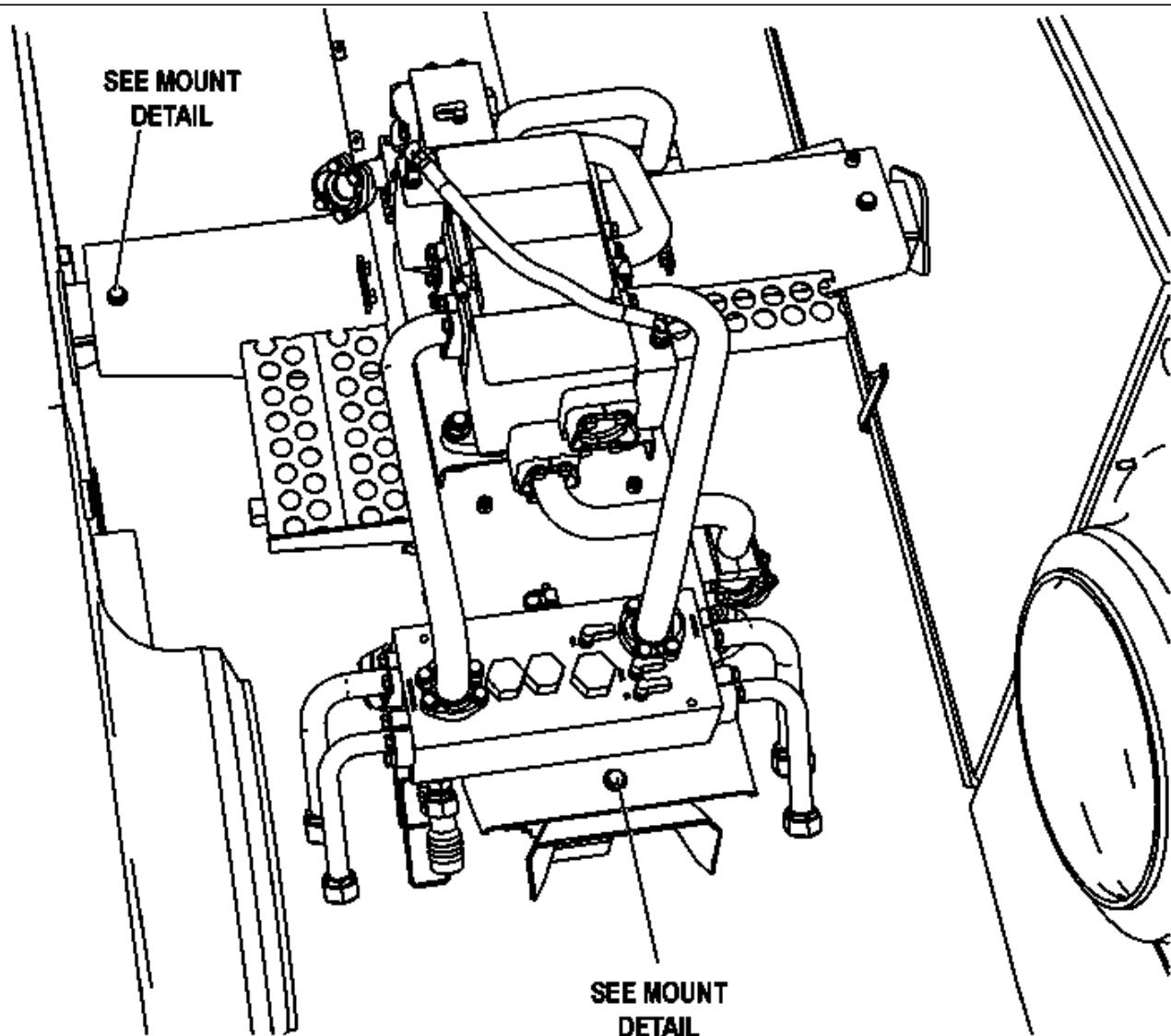
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 A31597 ANTAMINA

**DRIVESHAFT ASSEMBLY PC0183**

Item	Part No	Description	Qty
1	VE3436	FLANGE	2
2	BF3809	TUBE	1
3	70653	YOKE ASSEMBLY	1
4	TH7435	FITTING, GREASE (1)	1
5	VE3438	FITTING, GREASE (1)	2
6	VE9031	CAP, BEARING (1)	8
7	VE3439	RING, RETAINING (1)	8
8	70655	RETAINER (2)	1
9	70657	WASHER, CORK (2)	1
10	53890V	WASHER (2)	1
NS	VE7350	NOTE: (1) INCLUDED IN VE7350 CROSS & BEARING KIT.	
NS	1216225H1	(2) INCLUDED IN 1216225H1 DUST CAP KIT.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



MOUNT DETAIL

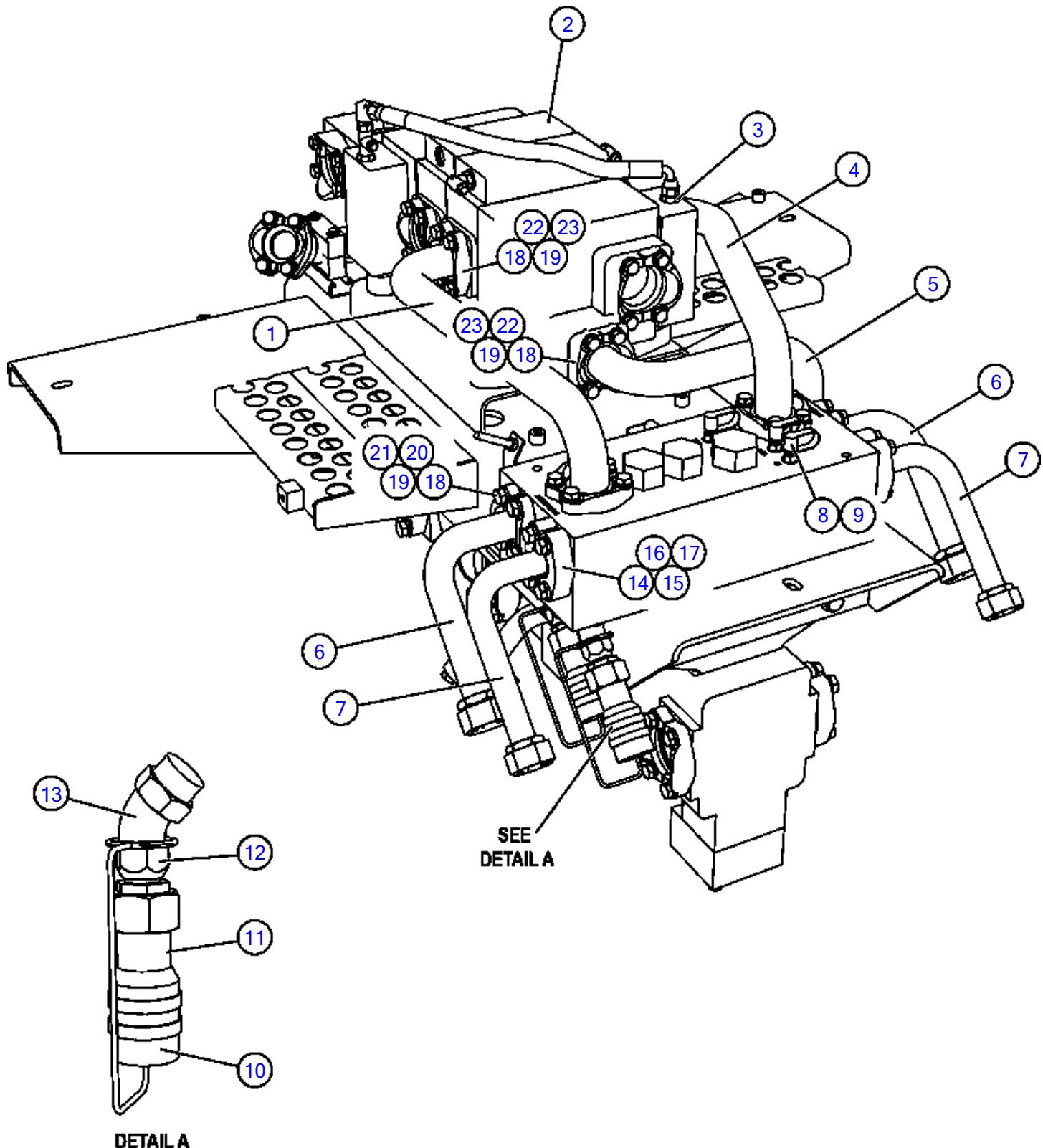
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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA

### PUMP MODULE INSTALLATION

Item	Part No	Description	Qty
1	C1637	CAPSCREW - 5/8" - 11NC X 3 3/4"	3
2	TD5915	WASHER	6
3	C1525	NUT - 5/8" - 11NC	3
4	C1541	LOCKWASHER - 5/8"	3
5	VG7000	MOUNT	3
6	WA0361	FLAT WASHER - 5/8" (HARDENED)	3

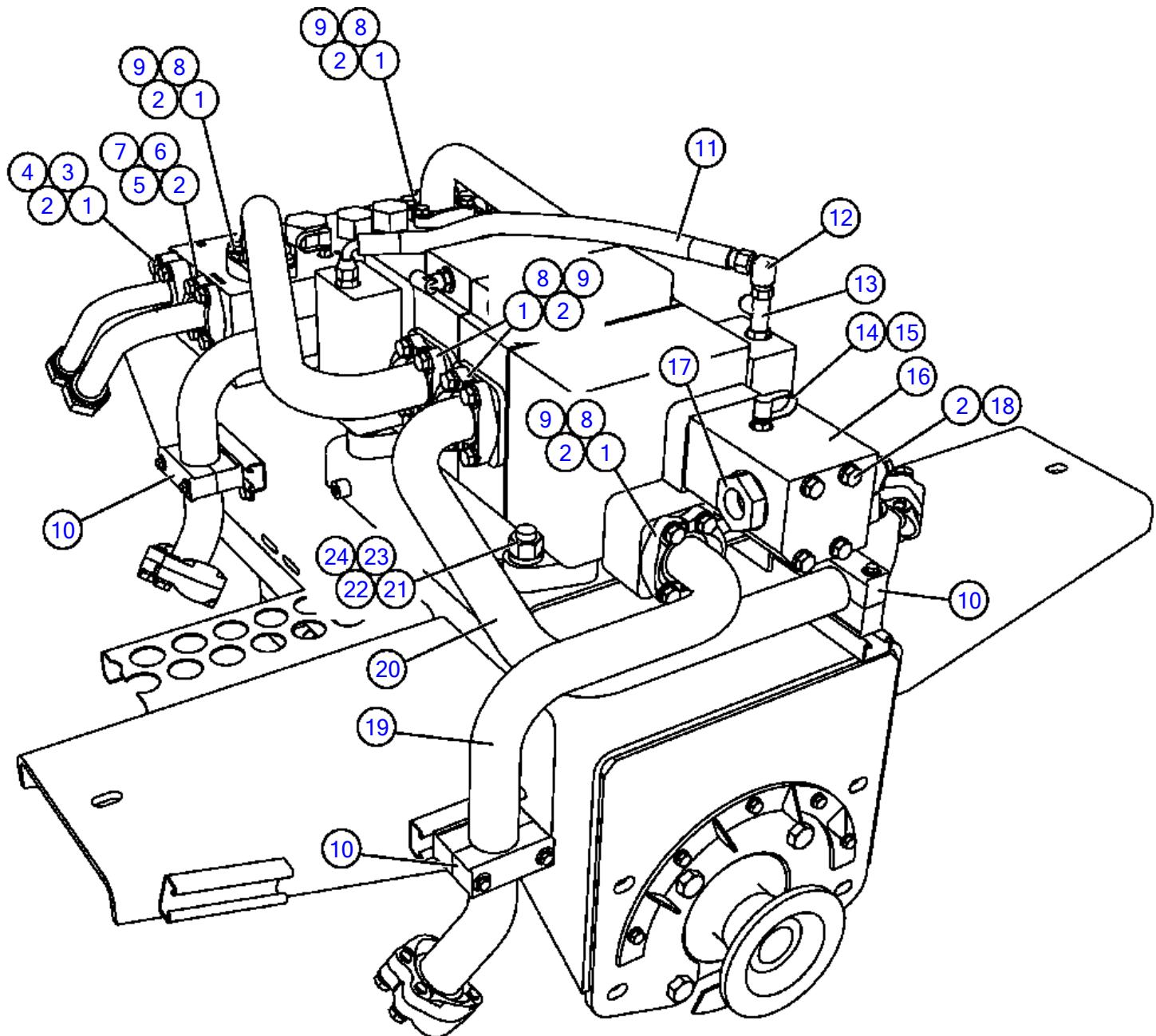
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A31597 ANTAMINA



**AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA**  
**PUMP MODULE 1/3**

Item	Part No	Description	Qty	Page
1	EH8495	TUBE	1	
2	PB9839	HOIST CONTROL VALVE ASSEMBLY (SEE INDEX)	1	454
3	WB0584	FITTING, STRAIGHT	1	
4	EH8494	TUBE	1	
5	EH8493	TUBE	1	
6	TY9636	TUBE	2	
7	EH3596	TUBE	2	
8	PB6041	CAP, DUST	5	
9	PB6770	COUPLING, MALE QUICK DISCONNECT	5	
10	TA2968	PLUG, DUST	2	
11	PB4685	COUPLING, HYDRAULIC	2	
12	WA3568	FITTING	2	
13	WB0547	FITTING, ELBOW - 45 DEG	2	
14	C1615	CAPSCREW - 1/2" - 13NC X 1 3/4"	4	
15	C1540	LOCKWASHER - 1/2"	4	
16	WA5630	CLAMP, SPLIT FLANGE - 1 1/4"	2	
17	VG9096	O-RING	1	
18	C1614	CAPSCREW - 1/2" - 13NC X 1 1/2"	12	
19	C1540	LOCKWASHER - 1/2"	12	
20	TF8090	CLAMP, SPLIT FLANGE - 1 1/2"	2	
21	VG9095	O-RING	1	
22	TF3231	CLAMP, SPLIT FLANGE - 2"	4	
23	WA0187	O-RING	2	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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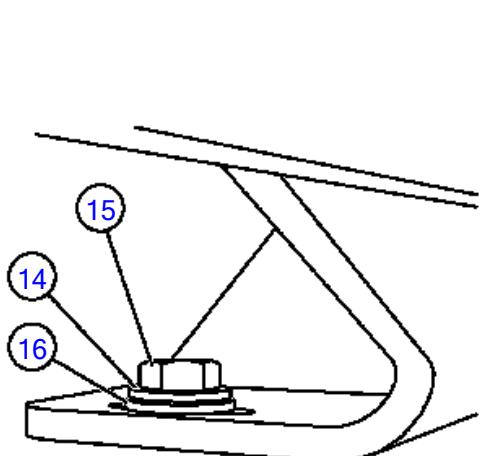
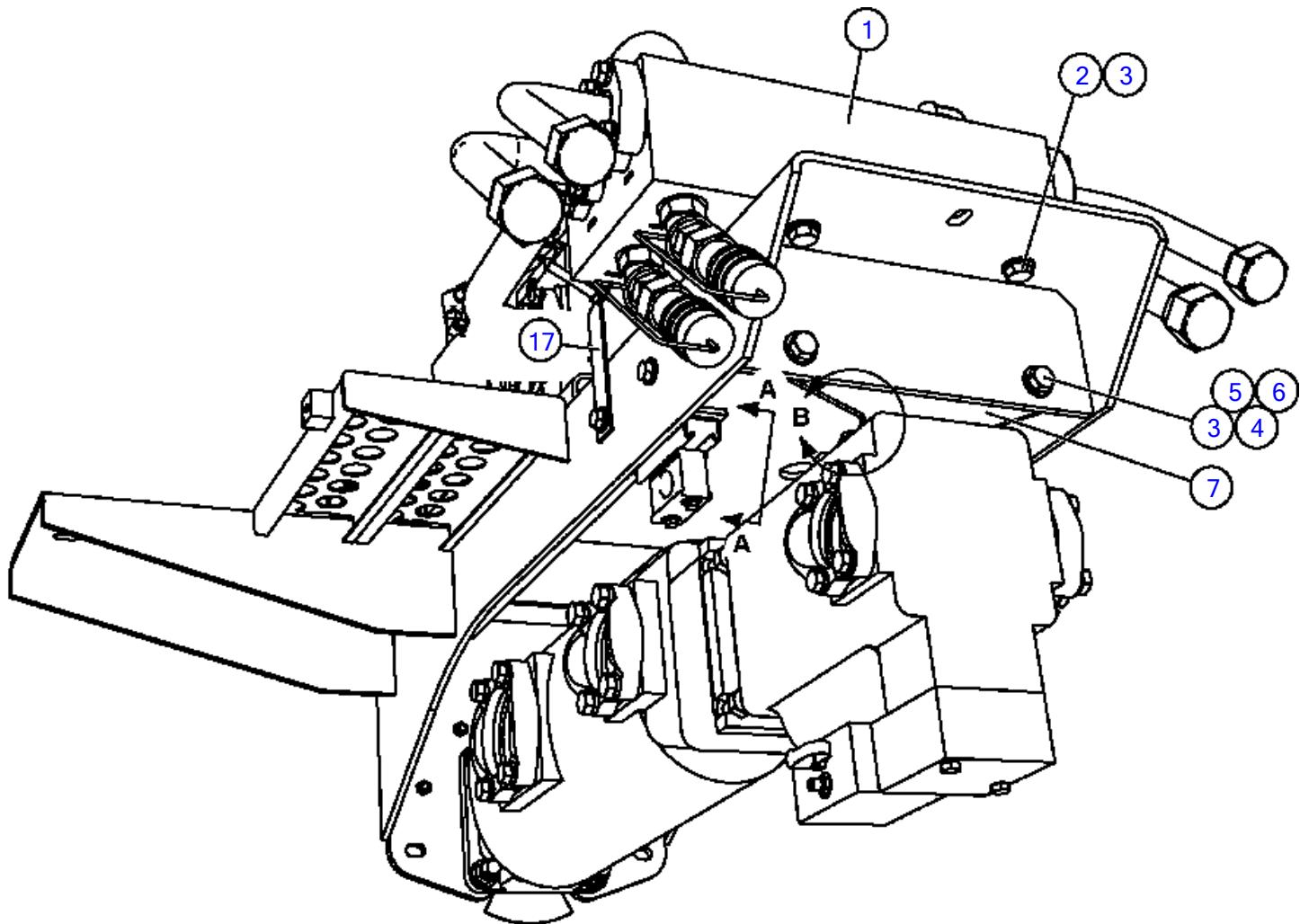


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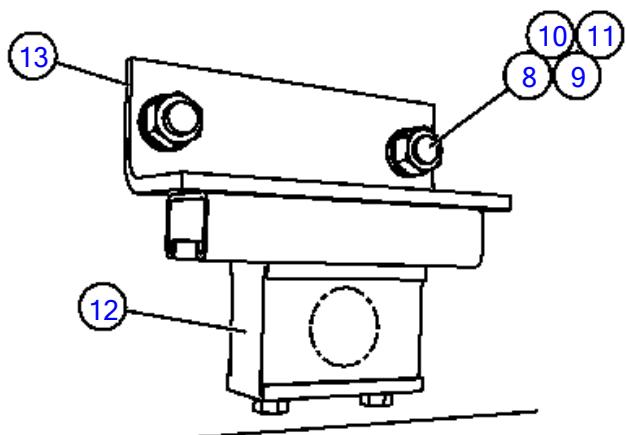
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 A31597 ANTAMINA  
**PUMP MODULE 2/3****

Item	Part No	Description	Qty
1	C1614	CAPSCREW - 1/2" - 13NC X 1 1/2"	24
2	C1540	LOCKWASHER - 1/2"	32
3	TF8090	CLAMP, SPLIT FLANGE - 1 1/2"	2
4	VG9095	O-RING	1
5	C1615	CAPSCREW - 1/2" - 13NC X 1 3/4"	4
6	WA5630	CLAMP, SPLIT FLANGE - 1 1/4"	2
7	VG9096	O-RING	1
8	TF3231	CLAMP, SPLIT FLANGE - 2"	8
9	WA0187	O-RING	4
10	WA4712	CLAMP, HYDRA ZORB - 2"	3
11	HA5698	HOSE	1
12	WB0375	FITTING, ELBOW - 90 DEG	1
13	WB0557	FITTING, TEE	1
14	PB6528	COUPLING, DIAGNOSTIC	1
15	PB6041	CAP, DUST	1
16	EK6183	ADAPTER, FLANGE	1
17	WB0604	FITTING, STRAIGHT	1
18	SR7215	CAPSCREW - 1/2" - 13NC X 7 1/2"	4
19	EH8895	TUBE	1
20	EH8492	TUBE	1
21	C1662	CAPSCREW - 7/8" - 9NC X 2 3/4"	3
22	WA4731	FLAT WASHER - 7/8" (HARDENED)	3
23	VC6293	LOCKWASHER - 7/8"	3
24	VN9693	NUT - 7/8" - 9NC	3

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



DETAIL B



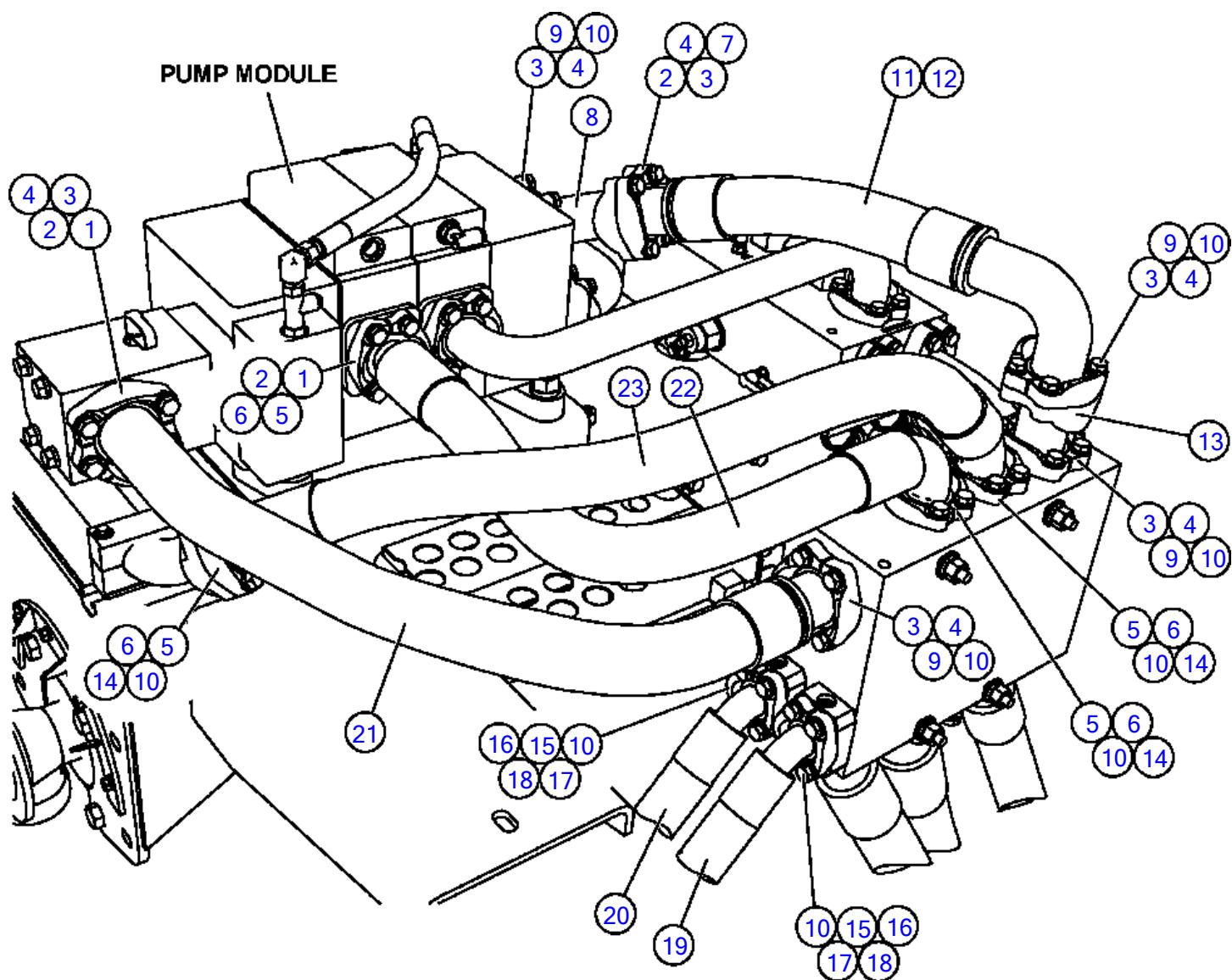
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 A31597 ANTAMINA  
 PUMP MODULE 3/3**

Item	Part No	Description	Qty	Page
1	PC0522	OVERCENTER MANIFOLD VALVE (SEE INDEX)	1	462
2	C7595	CAPSCREW - 5/8" - 11NC X 1 1/4"	4	
3	WA0361	FLAT WASHER - 5/8" (HARDENED)	8	
4	C1629	CAPSCREW - 5/8" - 11NC X 1 3/4"	2	
5	C1541	LOCKWASHER - 5/8"	2	
6	VN9952	LOCKNUT - 5/8" - 11NC	2	
7	EH8957	BRACKET	1	
8	C1614	CAPSCREW - 1/2" - 13NC X 1 1/2"	2	
9	WA0360	FLAT WASHER - 1/2" (HARDENED)	2	
10	C1540	LOCKWASHER - 1/2"	2	
11	C1523	NUT - 1/2" - 13NC	2	
12	WA4712	CLAMP, HYDRA ZORB - 2"	2	
13	XB6122	ANGLE	1	
14	C0312	LOCKWASHER - 3/8"	2	
15	DC7524	CAPSCREW - 3/8" - 16NC X 7/8"	2	
16	WA0720	FLAT WASHER - 3/8" (HARDENED)	2	
17	EM6516	BRACKET	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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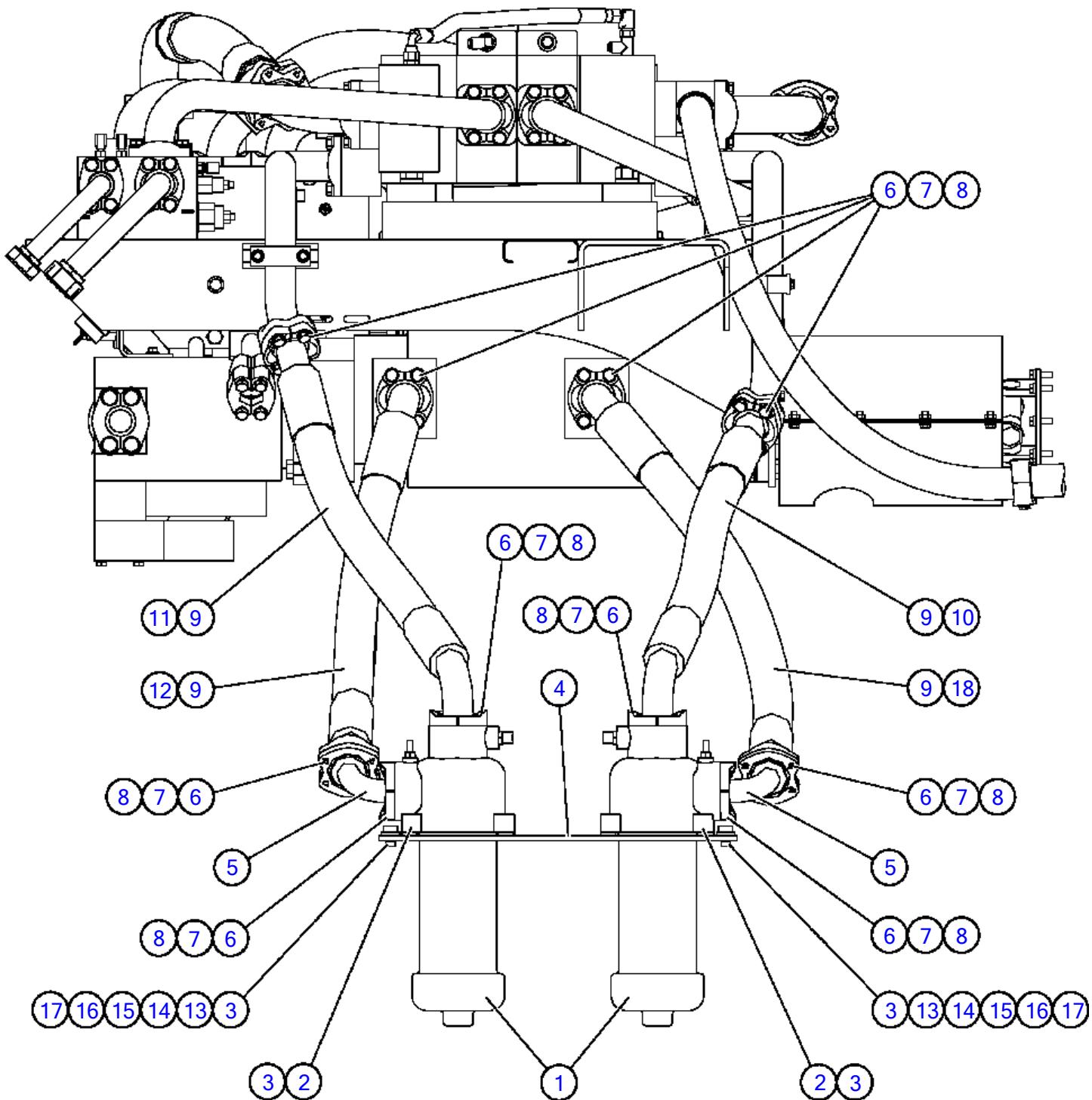
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 A31597 ANTAMINA

**PUMP MODULE - BRAKE COOLING & HOIST 1/2**

Item	Part No	Description	Qty
1	C1614	CAPSCREW - 1/2" - 13NC X 1 1/2"	8
2	C1540	LOCKWASHER - 1/2"	12
3	VH6718	CLAMP, SPLIT FLANGE - 2 1/2"	12
4	WA0232	O-RING	6
5	TF3231	CLAMP, SPLIT FLANGE - 2"	8
6	WA0187	O-RING	4
7	C1615	CAPSCREW - 1/2" - 13NC X 1 3/4"	4
8	EK3018	TUBE	1
9	TV1918	CAPSCREW - 1/2" - 13NC X 1 3/4"	16
10	TR5445	LOCKWASHER - 1/2"	36
11	HA7977	HOSE	1
12	EK3697	SLEEVE, PROTECTIVE	1
13	EK3019	TUBE	1
14	VC6561	CAPSCREW - 1/2" - 13NC X 1 1/2"	12
15	C1619	CAPSCREW - 1/2" - 13NC X 2 3/4"	8
16	TF8090	CLAMP, SPLIT FLANGE - 1 1/2"	4
17	VG9095	O-RING	4
18	EJ7406	FLANGE, ADAPTER	2
19	HA7818	HOSE	1
20	HA7817	HOSE	1
21	58B-60-00300	HOSE	1
22	HA7703	HOSE	1
23	HA7702	HOSE	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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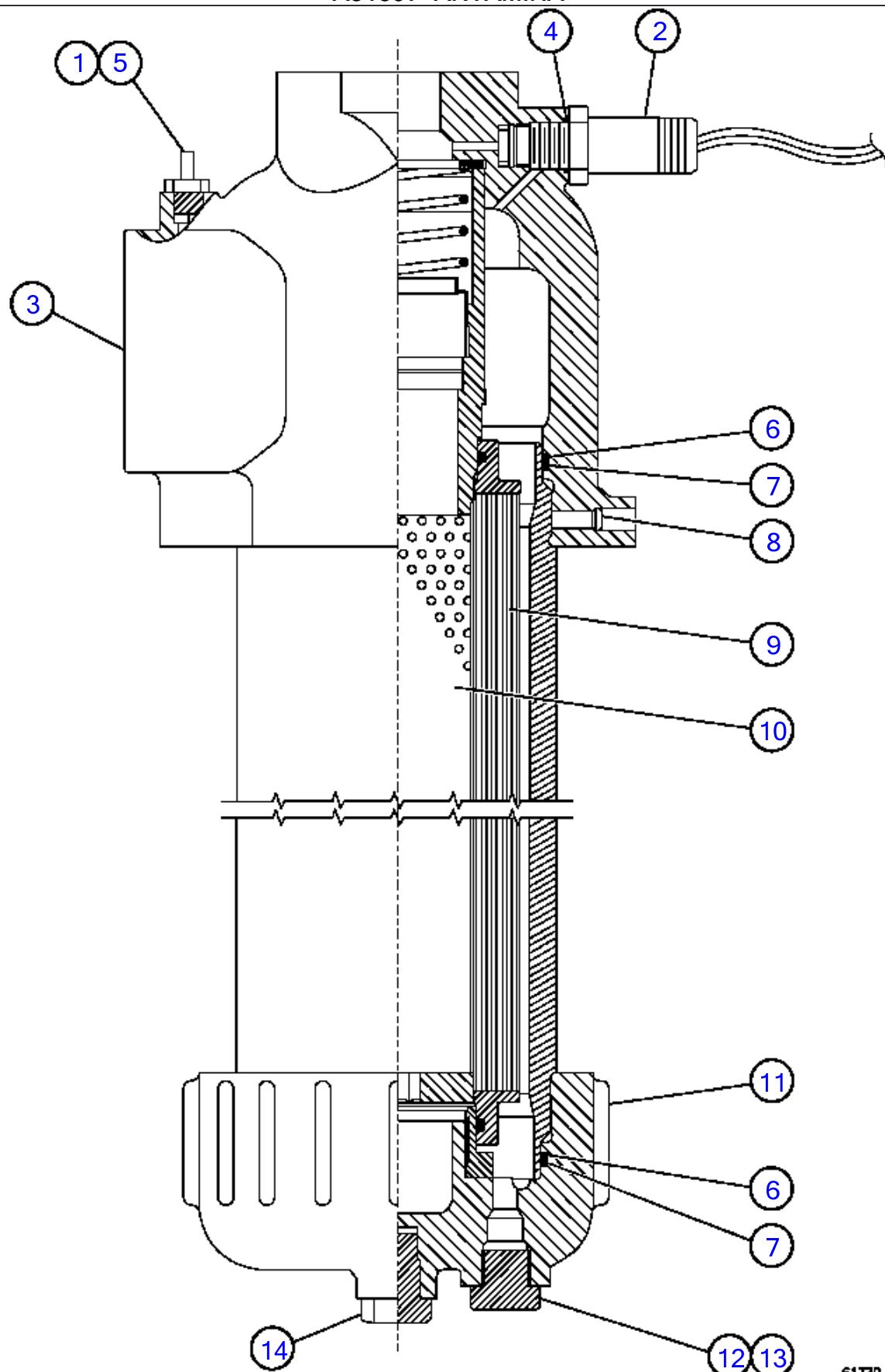
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 A31597 ANTAMINA

**PUMP MODULE - BRAKE COOLING & HOIST 2/2**

Item	Part No	Description	Qty	Page
1	XB3937	HYDRAULIC FILTER, HOIST / BRAKE COOLING (SEE INDEX)	2	444
2	VN6454	CAPSCREW - 1/2" - 13NC X 1"	8	
3	TR6008	FLAT WASHER - 1/2"	12	
4	EL8980	PLATE	1	
5	PB8318	ELBOW	2	
6	TF3231	CLAMP, SPLIT FLANGE - 2"	10	
7	C1614	CAPSCREW - 1/2" - 13NC X 1 1/2"	40	
8	C1540	LOCKWASHER - 1/2"	40	
9	WA0187	O-RING	10	
10	HA8185	HOSE	1	
11	HA7730	HOSE	1	
12	HA6253	HOSE	1	
13	PC2057	WASHER, HEAD	4	
14	PC2058	WASHER, TAIL	4	
15	TR6643	NUT - 1/2" - 13NC	4	
16	WA0471	CAPSCREW - 1/2" - 13NC X 2 1/4"	4	
17	WA2586	MOUNT, RUBBER	4	
18	HA6253	HOSE	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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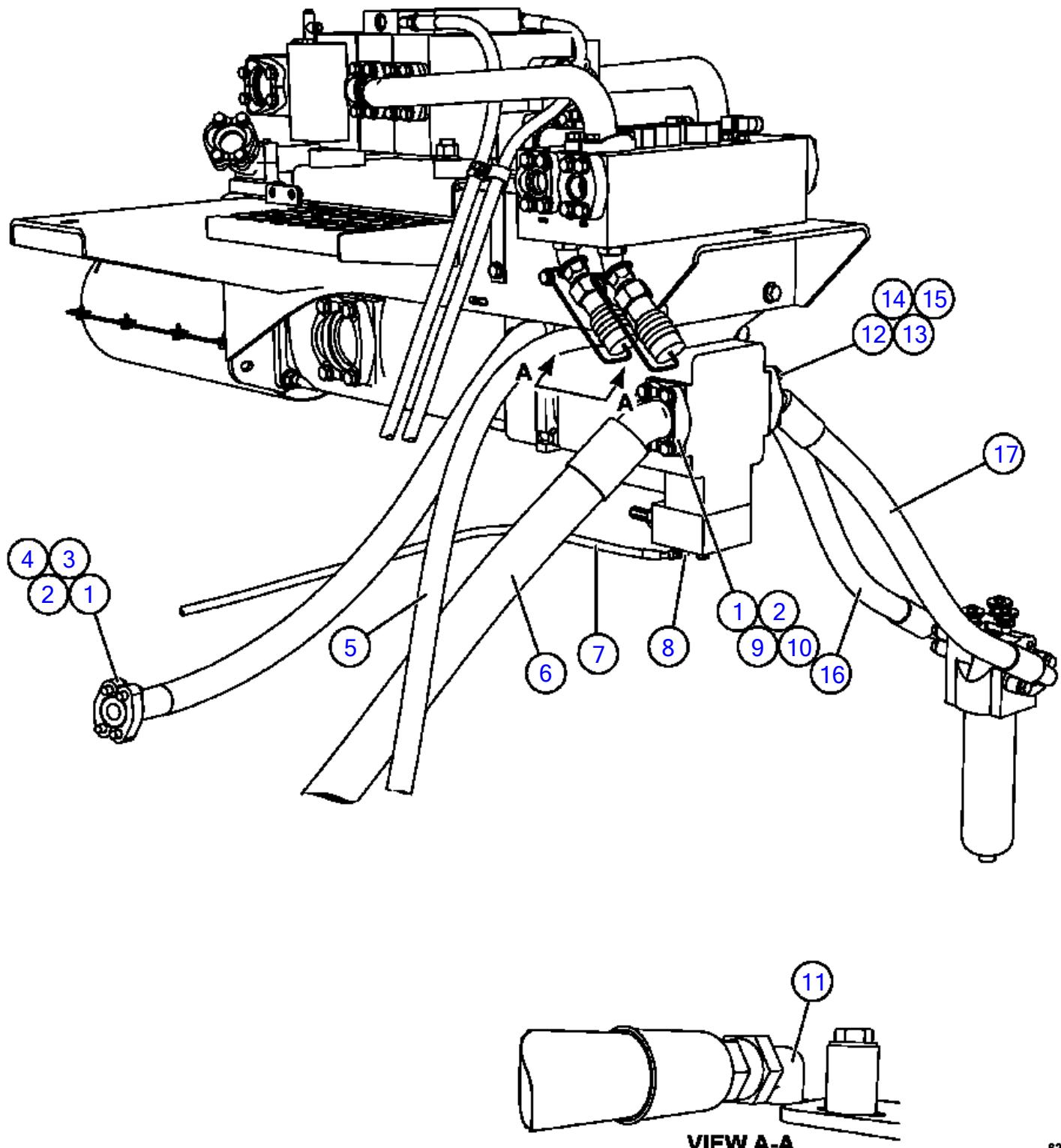


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 A31597 ANTAMINA

**HYDRAULIC FILTER - HOIST/BRAKE COOLING XB3937**

Item	Part No	Description	Qty
1	PB6770	COUPLING, MALE QUICK DISCONNECT	1
2	XA5166	PRESSURE SWITCH ASSEMBLY	1
3	PC2897	HYDRAULIC FILTER ASSEMBLY	1
		• HEAD, FILTER (1)	1
4	WA0055	• O-RING	1
5	TF5194	• O-RING	1
6	TG4083	• O-RING	2
7	BF2196	• RING, BACKUP	2
8	BF2197	• SCREW, SET	1
9	AK3570	• ELEMENT, FILTER	1
10	BF4801	• CORE	1
11	BF3632	• COVER ASSEMBLY	1
		• CAP, FILTER (1)	1
12	VM0315	• PLUG	1
13	SV9812	• O-RING	1
14	BF2209	• PLUG, BOTTOM	1
NS		NOTE: (1) NOT SERVICED SEPARATELY.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

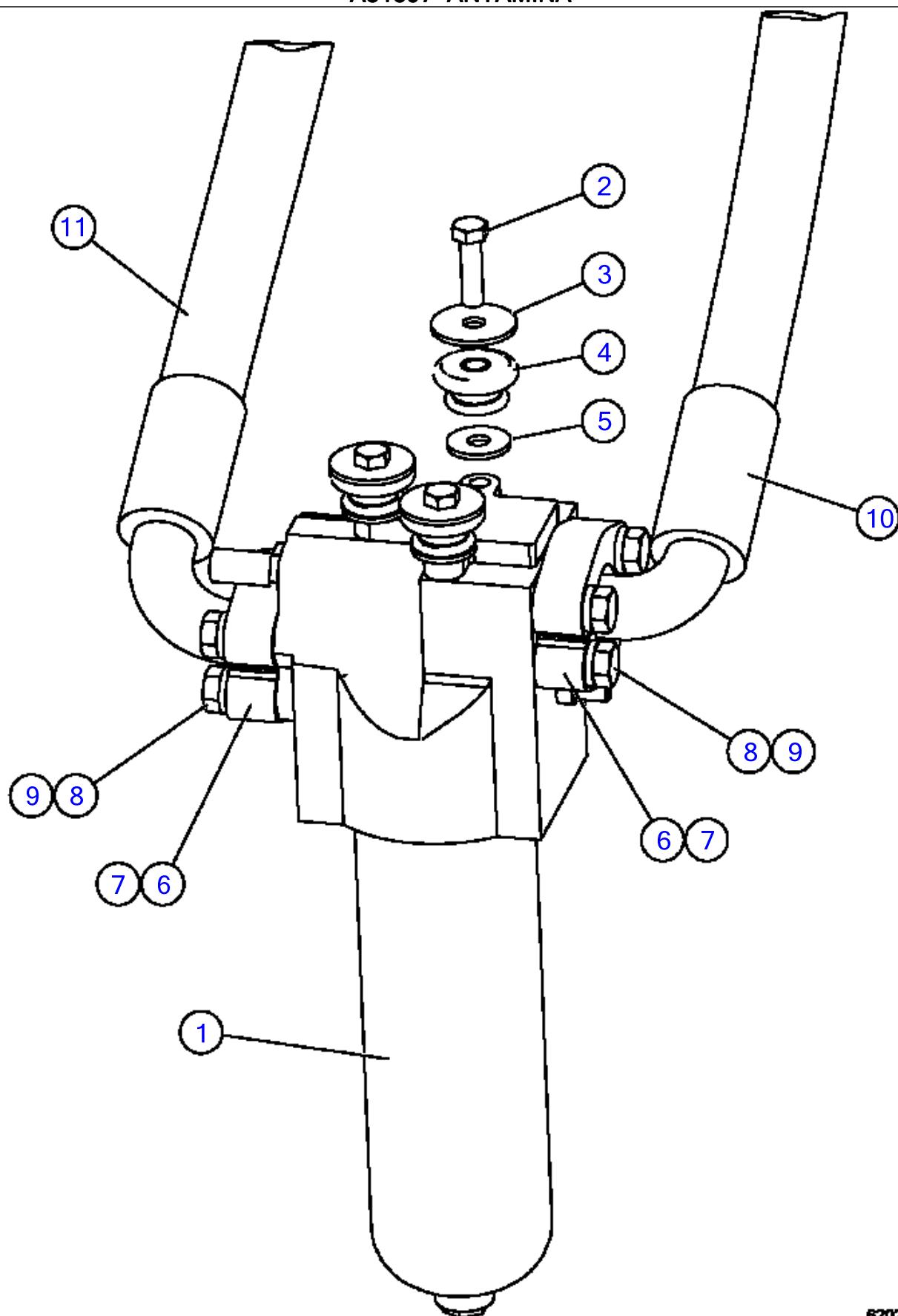


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 A31597 ANTAMINA

### PUMP MODULE - STEERING PUMP PIPING

Item	Part No	Description	Qty
1	C1615	CAPSCREW - 1/2" - 13NC X 1 3/4"	8
2	C1540	LOCKWASHER - 1/2"	8
3	WA5630	CLAMP, SPLIT FLANGE - 1 1/4"	2
4	VG9096	O-RING	1
5	HA7687	HOSE (CASE DRAIN)	1
6	HA7341	HOSE (SUCTION)	1
7	HA7688	HOSE (UNLOADER FEEDBACK)	1
8	WB0499	FITTING, ELBOW - 90 DEG	1
9	VH6718	CLAMP, SPLIT FLANGE - 2 1/2"	2
10	WA0232	O-RING	1
11	WB0520	FITTING, ELBOW - 90 DEG	1
12	C1631	CAPSCREW - 5/8" - 11NC X 2 1/4"	4
13	C1541	LOCKWASHER - 5/8"	4
14	WA5629	CLAMP, SPLIT FLANGE - 1 1/2"	2
15	VG9095	O-RING	1
16	HA8727	HOSE	1
17	HA8820	HOSE	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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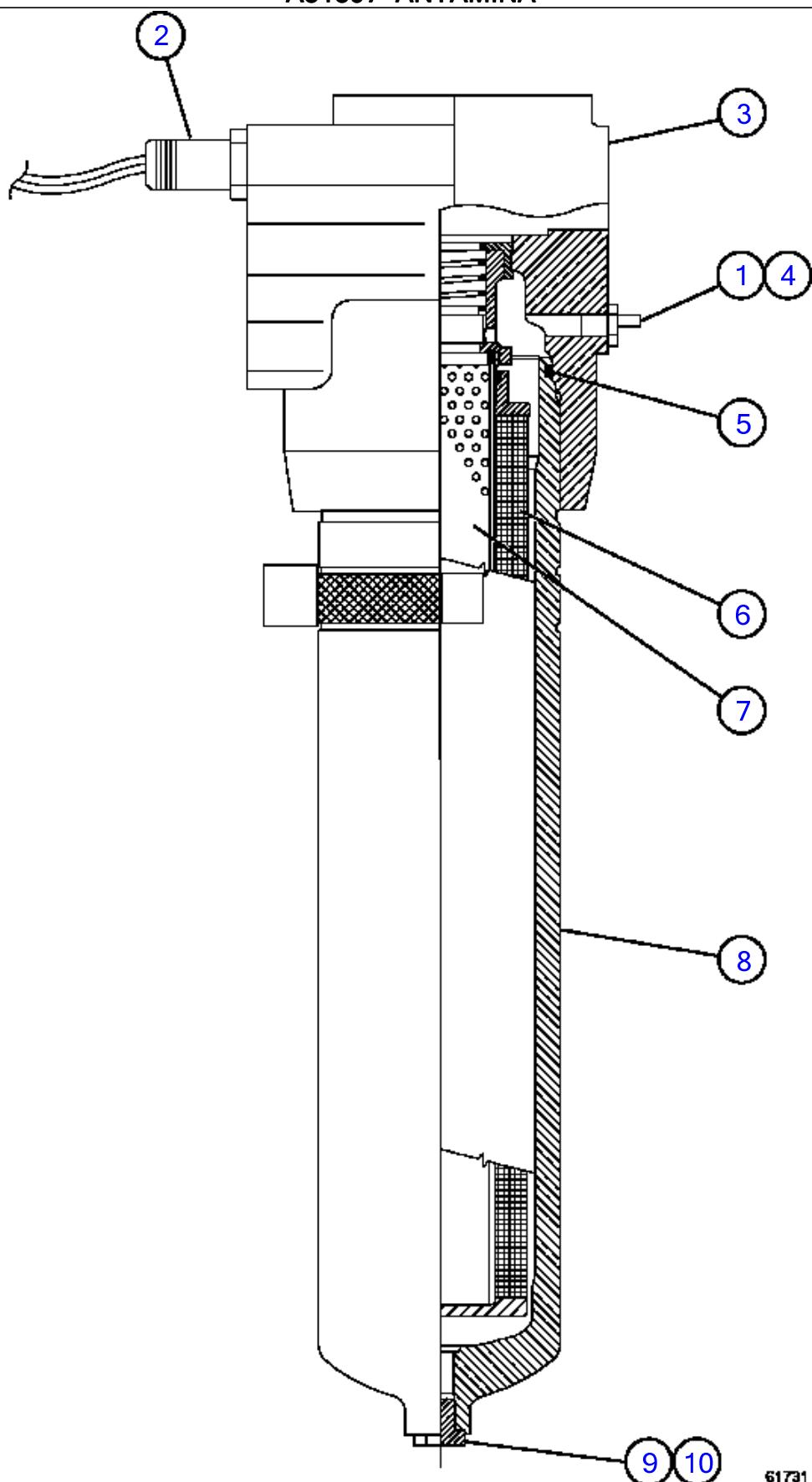


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 A31597 ANTAMINA

## HYDRAULIC STEERING FILTER INSTALLATION

Item	Part No	Description	Qty	Page
1	XB3938	HYDRAULIC FILTER, STEERING (SEE INDEX)	1	450
2	VN6472	CAPSCREW - 1/2" - 13NC X 1 3/4"	3	
3	PC2057	WASHER, HEAD	3	
4	WA2586	MOUNT, RUBBER	3	
5	PC2058	WASHER, TAIL	3	
6	VG9095	O-RING	3	
7	WA5629	CLAMP, SPLIT FLANGE - 1 1/2"	6	
8	C1631	CAPSCREW - 5/8" - 11NC X 2 1/4"	12	
9	C1541	LOCKWASHER - 5/8"	12	
10	HA8727	HOSE	1	
11	HA8820	HOSE	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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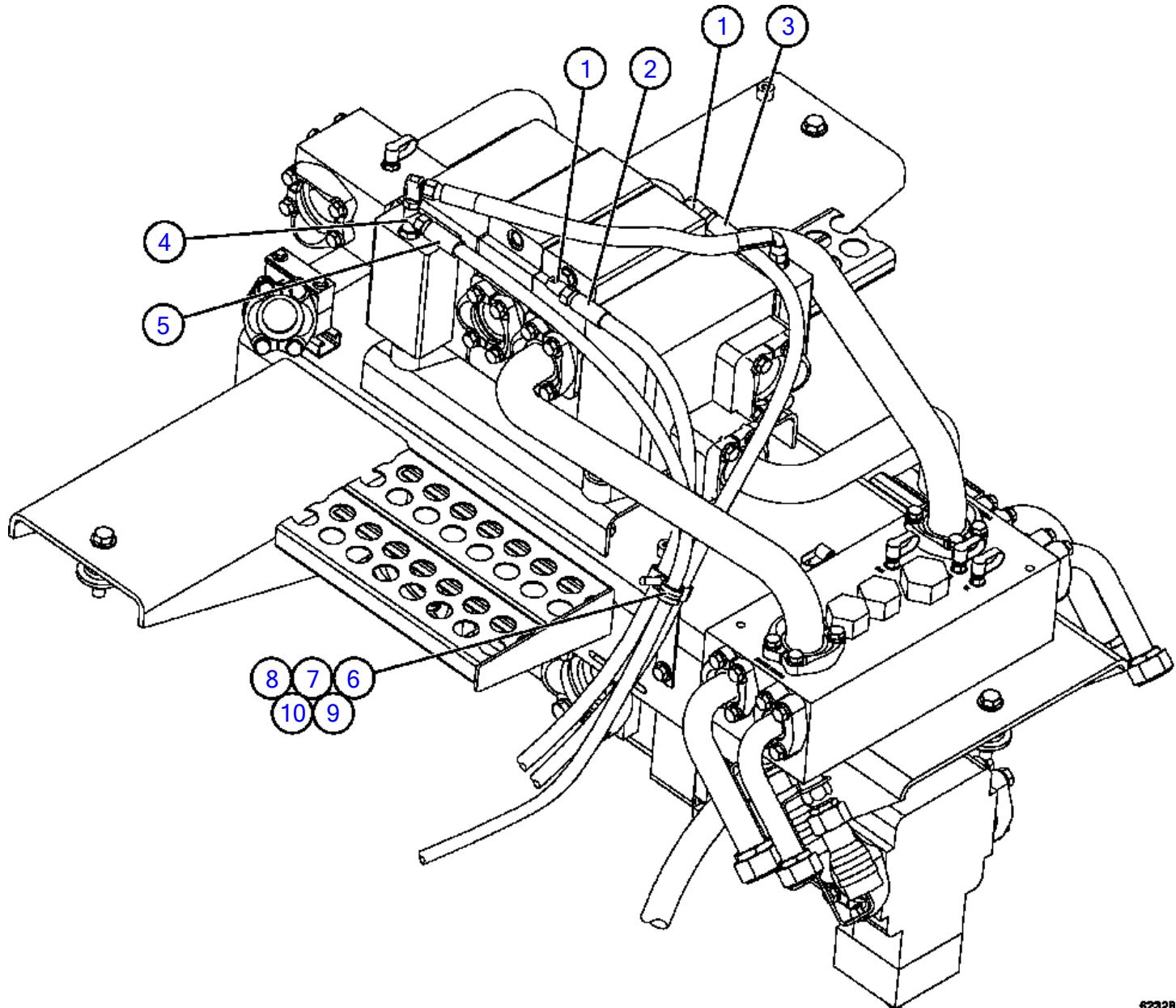
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**HYDRAULIC FILTER - STEERING      XB3938**

Item	Part No	Description	Qty
1	PB6770	COUPLING, MALE QUICK DISCONNECT	1
2	XA5166	PRESSURE SWITCH ASSEMBLY	1
3	PC2898	HYDRAULIC FILTER ASSEMBLY	1
	BF4490	• HEAD, FILTER	1
4	TF5194	• O-RING	1
5	WA0100	• O-RING	1
6	AK3572	• ELEMENT, FILTER	1
7	BF4491	• CORE	1
8	BF2213	• BOWL	1
9	VE4463	• PLUG, DRAIN	1
10	TL3995	• O-RING	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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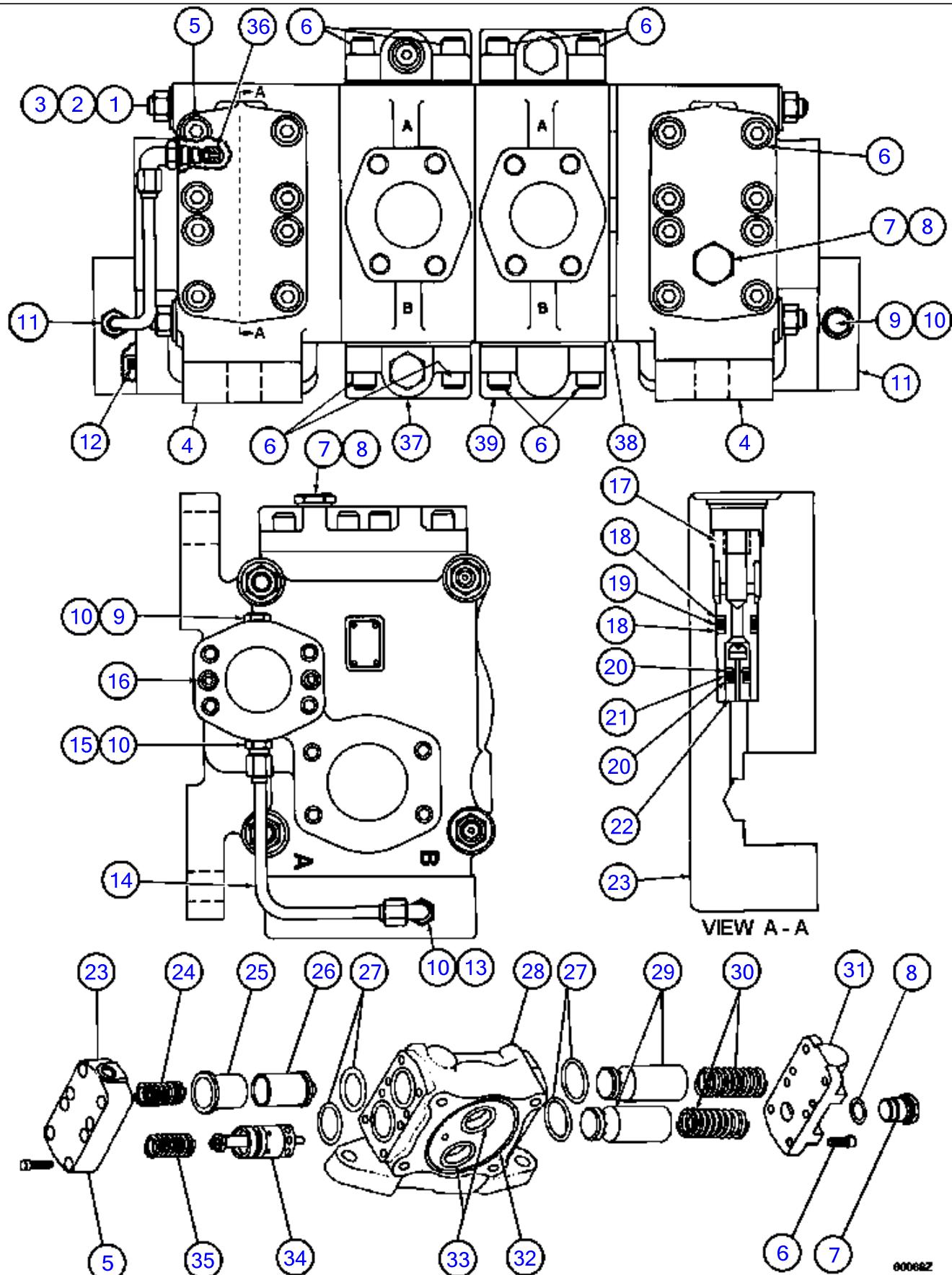
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 A31597 ANTAMINA

**PUMP MODULE - HOIST PILOT PIPING**

Item	Part No	Description	Qty
1	WB0508	FITTING, ELBOW - 90 DEG	2
2	HA5582	HOSE	1
3	HA7331	HOSE	1
4	WB0557	FITTING, TEE	1
5	HA8351	HOSE	1
6	WB1303	CLAMP, CUSHIONED - 3/4"	2
7	WB3092	CLAMP, CUSHIONED - 7/8"	1
8	TY8375	SPACER	1
9	MM0461	FLAT WASHER - M10	1
10	MM0178	NUT - M10 X 1.50	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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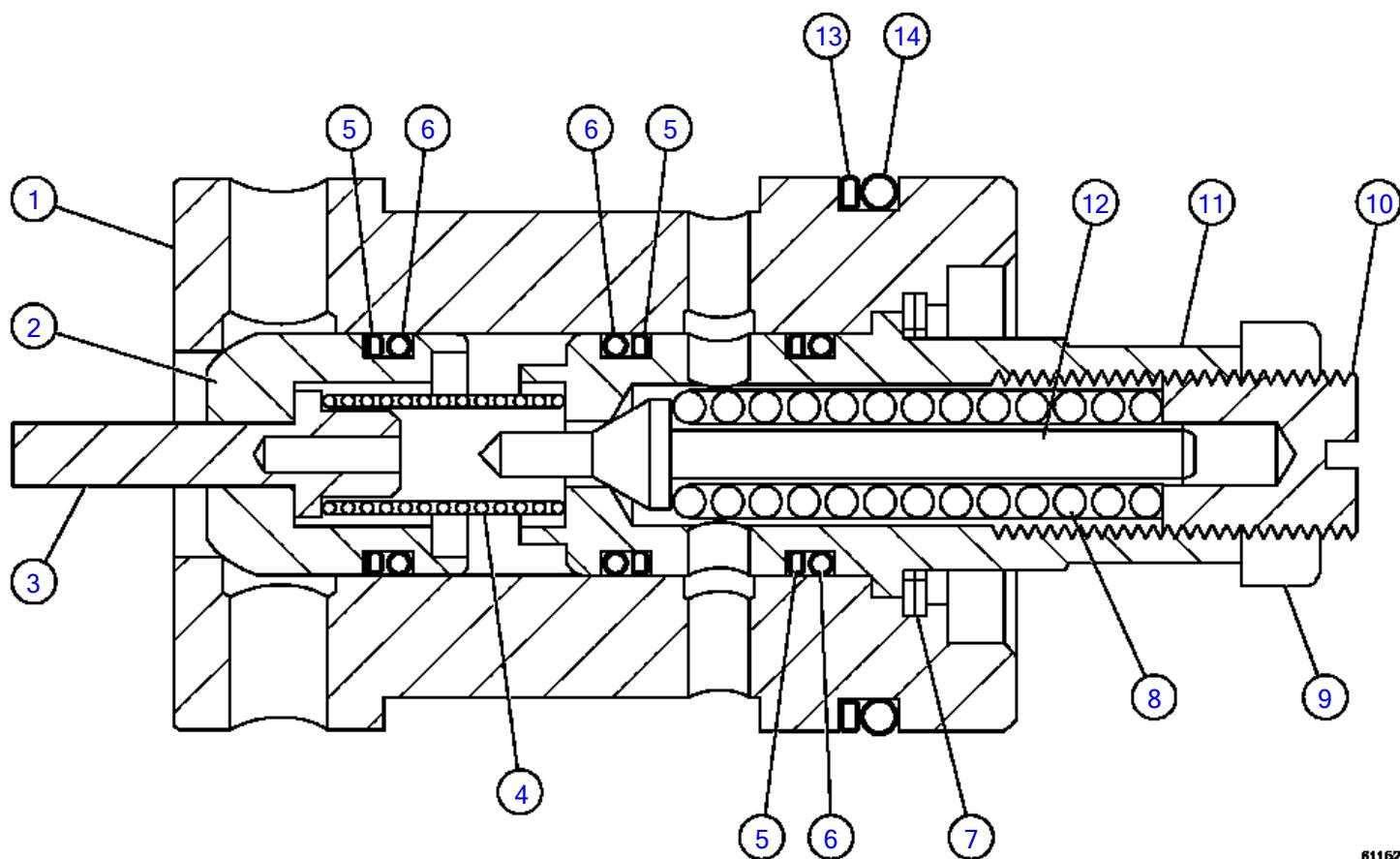


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 A31597 ANTAMINA

## HOIST CONTROL VALVE ASSEMBLY PB9839

Item	Part No	Description	Qty	Page
1	BF3045	TIE ROD	4	
2	VE3807	WASHER, COMPRESSION	8	
3	VE3804	LOCKNUT	8	
4	BF3049	INLET SECTION ASSEMBLY	2	
5	VJ2002	· CAPSCREW	16	
6	DF6928	· CAPSCREW	48	
7	VJ0011	· PLUG	2	
8	VJ0435	· O-RING (2)/(3)	2	
9	VE3551	· PLUG	2	
10	VE3565	· O-RING (2)/(3)	6	
11	VE3563	· CAP, FLANGE	2	
12	VE3553	· O-RING (2)/(3)	2	
13	VE3559	· FITTING	2	
14	VE3564	· TUBE	2	
15	VE3561	· FITTING	2	
16	VE3803	· CAPSCREW	4	
17	VE3560	· SLEEVE (2)	2	
18	VE3554	· RING, BACKUP (2)/(3)	4	
19	VE3552	· O-RING (2)/(3)	2	
20	1133800C1	· RING, BACKUP (2)/(3)	4	
21	VE3526	· O-RING (2)/(3)	2	
22	VE3558	· POPPET, RESTRICTION (2)	2	
23	VE3562	· COVER	2	
24	VE3569	· SPRING	2	
25	VJ1989	· SLEEVE	2	
26	VE3609	· RELIEF VALVE ASSEMBLY (2)	2	
	VE3555	· · PLUG	2	
	VE3556	· · POPPET	2	
27	VE3533	· O-RING (2)/(3)	8	
28	BF3046	· HOUSING, INLET (1)	2	
29	VJ1988	· POPPET	4	
30	VJ1985	· SPRING	4	
31	VE3568	· COVER, POPPET	2	
32	VE3534	· O-RING (2)/(3)	4	
33	VE3528	· O-RING (2)/(3)	8	
34	VE3567	· RELIEF VALVE ASSEMBLY (2) (SEE INDEX)	2	456
35	VJ1990	· SPRING	2	
36	VE3557	· SCREW, RESTRICTION	2	
37	VE3810	SPOOL SECTION ASSEMBLY (SEE INDEX)	1	458
38	VE3806	PLATE, SPACER	1	
39	BF3050	SPOOL SECTION ASSEMBLY (SEE INDEX)	1	460
NS		NOTE: (1) NOT SERVICED SEPARATELY.		
NS	BF3047	(2) INCLUDED IN BF3047 MAJOR SERVICE KIT.		
NS	BF3048	(3) INCLUDED IN BF3048 MINOR SERVICE KIT.		

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



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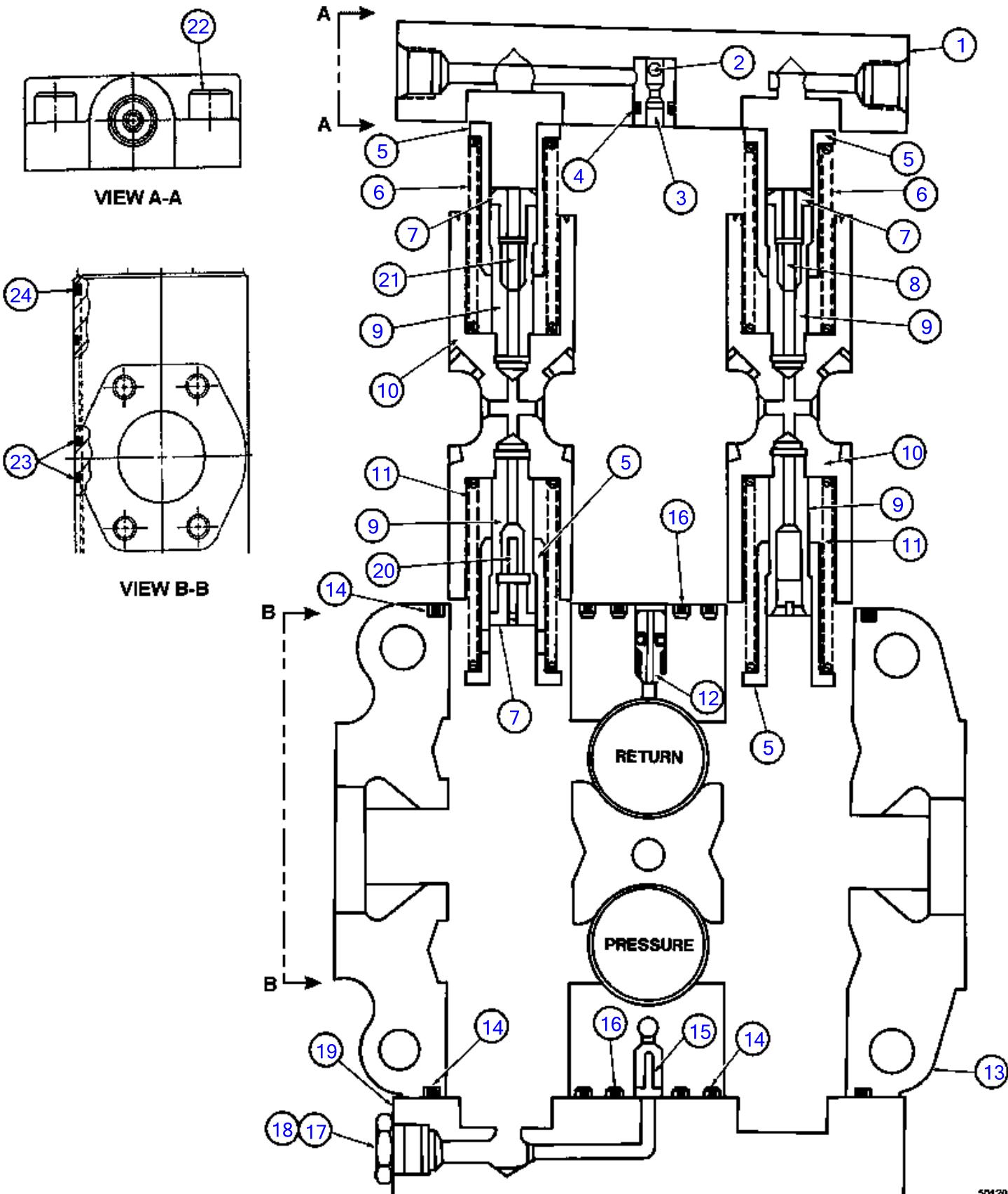
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## RELIEF VALVE ASSEMBLY

VE3567

Item	Part No	Description	Qty
1	XA3749	POPPET	1
2	VJ2008	RELIEF VALVE	1
3	VJ2020	PISTON	1
4	VE3610	SPRING (2)	1
5	VJ2016	BACKUP RING (1)/(2)	3
6	VJ2011	O-RING (1)/(2)	3
7	VJ2022	SNAP RING	1
8	VJ2015	SPRING (2)	1
9	VJ2017	NUT	1
10	XA3750	SCREW, ADJUSTING	1
11	VJ2018	PLUG	1
12	VJ2014	POPPET	1
13	VJ2010	BACKUP RING (1)/(2)	1
14	VJ2012	O-RING (1)/(2)	1
NS	XA3747	NOTE: (1) INCLUDED IN XA3747 SEAL KIT.	
NS	XA3748	(2) INCLUDED IN XA3748 SEAL & SPRING KIT.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA



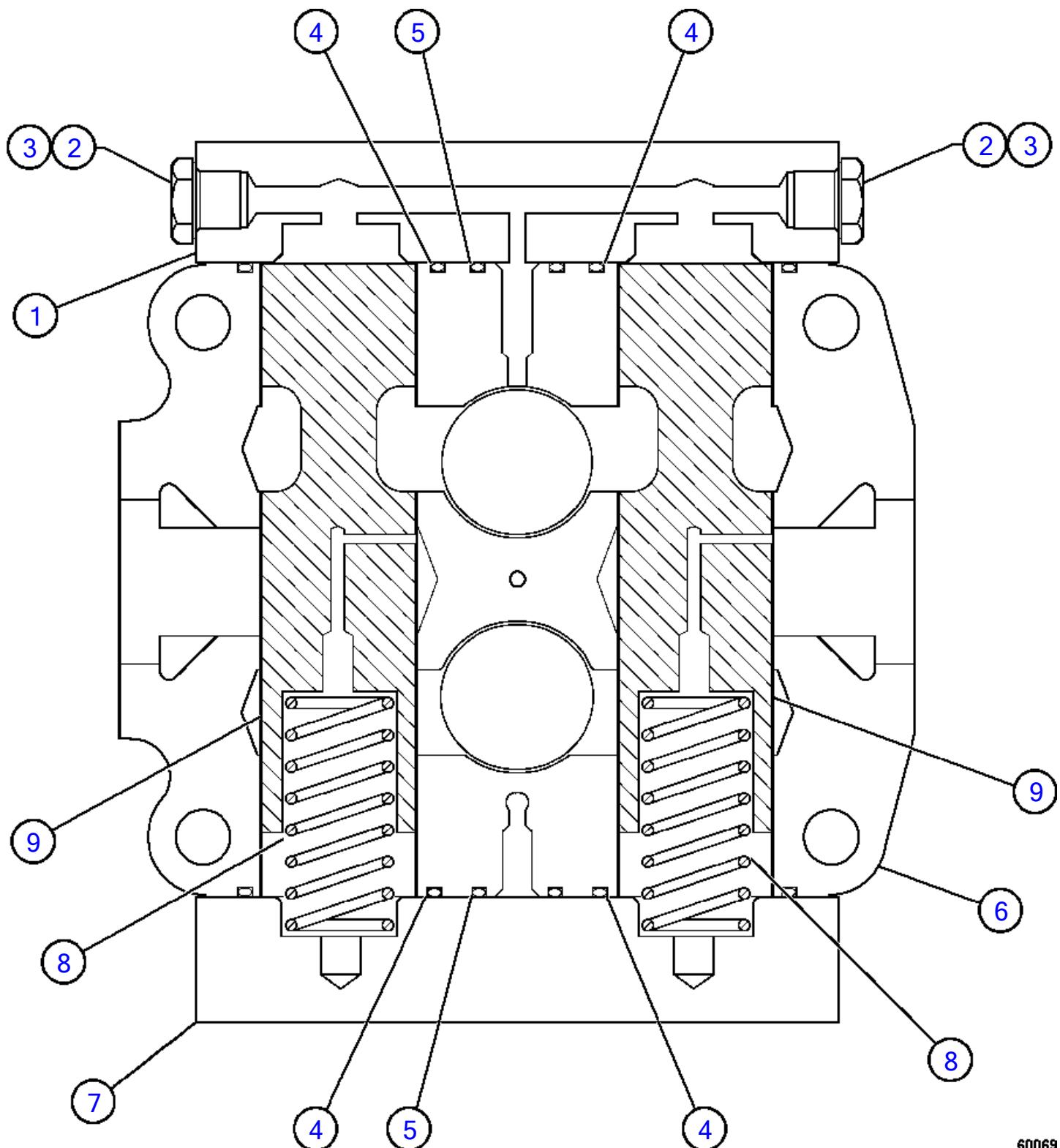
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**SPOOL SECTION ASSEMBLY**

**VE3810**

Item	Part No	Description	Qty
1	VE3543	COVER, SPOOL	1
2	VE3535	BALL (1)/(2)	1
3	VE3536	POPPET (1)	1
4	VE3527	O-RING (1)/(2)	1
5	VE3548	SEAT, SPRING	4
6	VE3541	SPRING	2
7	VE3545	PLUG	3
8	VE3539	POPPET (1)	1
9	VE3546	END, SPOOL	4
10	VE3547	SPOOL	2
11	VE3542	SPRING	2
12	VE5472	POPPET	1
13	VE7619	HOUSING, SPOOL	1
14	VE3533	O-RING (1)/(2)	4
15	VE3603	POPPET (1)	1
16	VJ2946	O-RING (1)/(2)	2
17	VJ1983	PLUG	1
18	VE3549	O-RING (1)/(2)	1
19	VE3544	COVER, SPOOL	1
20	VE3538	POPPET (1)	1
21	VE3540	POPPET (1)	1
22	VJ1987	CAPSCREW	16
23	VE3528	O-RING (1)/(2)	2
24	VE3534	O-RING (1)/(2)	1
NS	BF3047	NOTE: (1) INCLUDED IN BF3047 MAJOR SERVICE KIT.	
NS	BF3048	(2) INCLUDED IN BF3048 MINOR SERVICE KIT.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



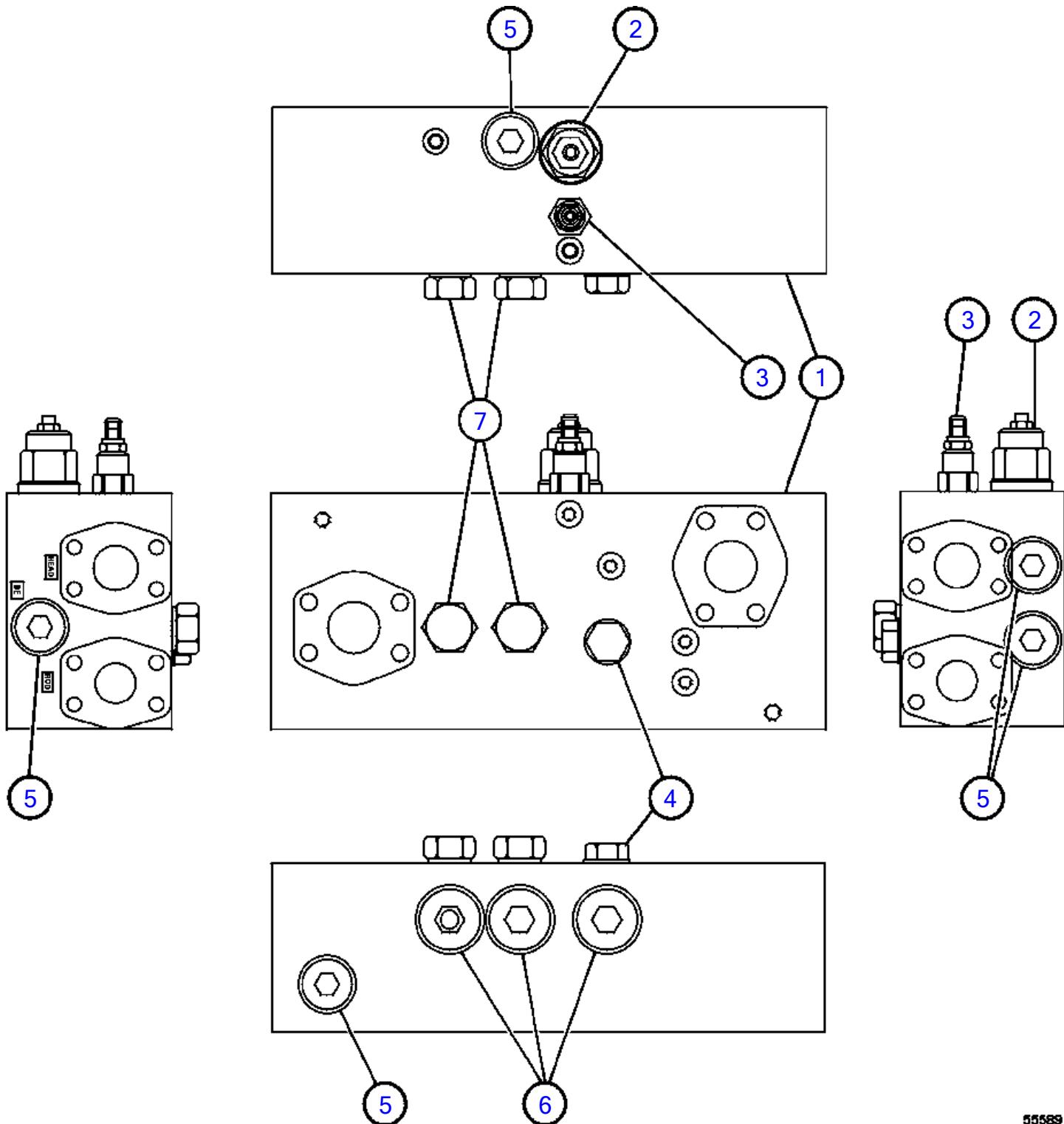
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**SPOOL SECTION ASSEMBLY - TANK BF3050**

Item	Part No	Description	Qty
1	BF3044	COVER, SPOOL	1
2	VJ1983	PLUG	2
3	VE3549	O-RING (2)/(3)	2
4	VE3533	O-RING (2)/(3)	4
5	VJ2946	O-RING (2)/(3)	2
6	VE7619	HOUSING, SPOOL (1)	1
7	BF3042	COVER, SPOOL	1
8	VE3541	SPRING	2
9	BF3043	SPOOL	2
NS		NOTE: (1) NOT SERVICED SEPARATELY. (2) INCLUDED IN BF3047 MAJOR SERVICE KIT. (3) INCLUDED IN BF3048 MINOR SERVICE KIT.	
NS	BF3047		
NS	BF3048		

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



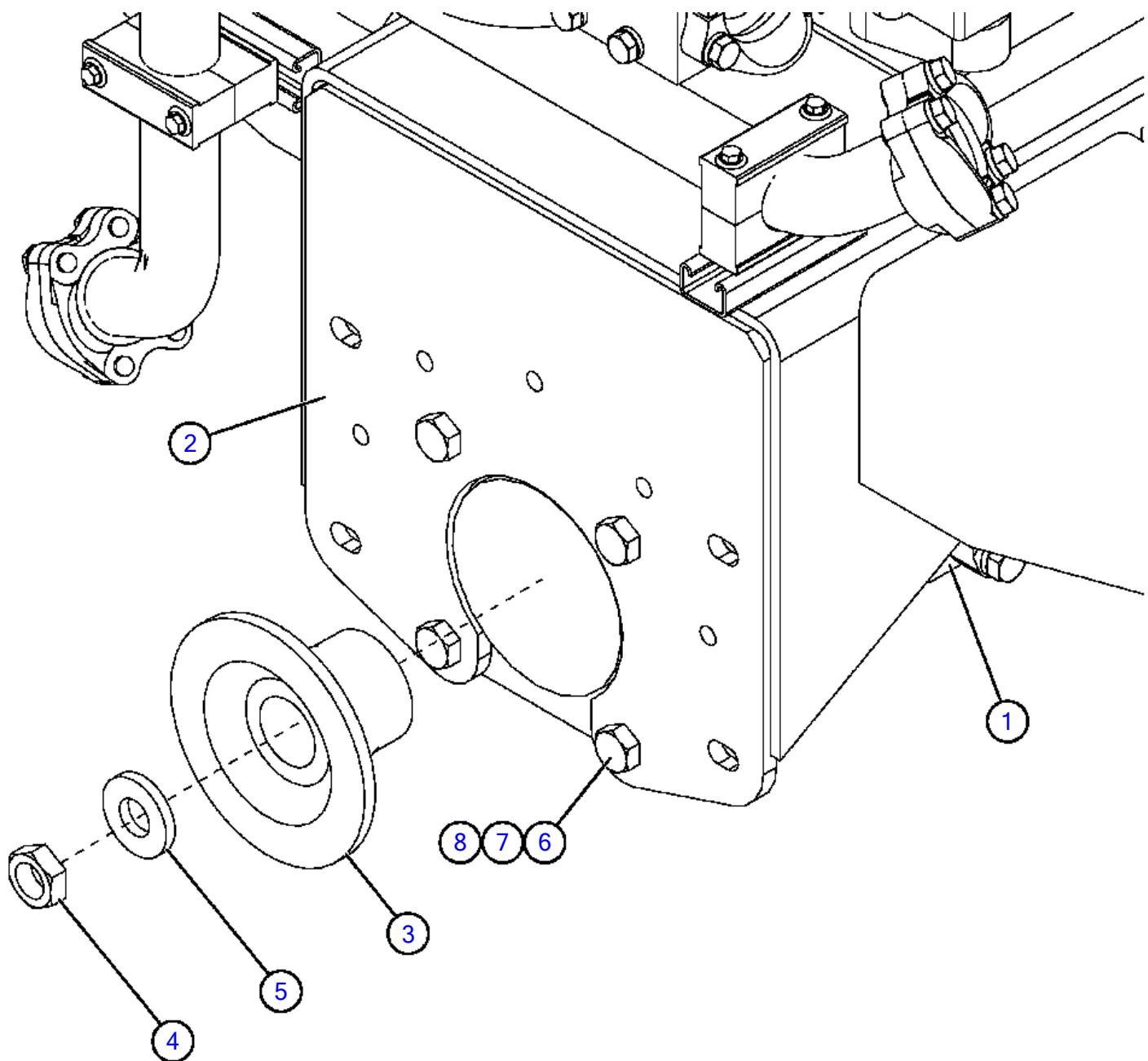
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AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**OVERCENTER MANIFOLD VALVE ASSM      PC0522**

Item	Part No	Description	Qty
1		MANIFOLD (1)	1
2	PB9864	VALVE, COUNTER BALANCE	1
	XA2443	• SEAL KIT	1
3	BF4797	VALVE, NEEDLE	1
	XA2444	• SEAL KIT	1
4	BF4798	PLUG, CAVITY	1
5		PLUG (1)	5
6		PLUG (1)	3
7	BF4796	VALVE, CHECK	2
	XA2442	• SEAL KIT	2
NS		NOTE: (1) NOT SERVICED SEPARATELY.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



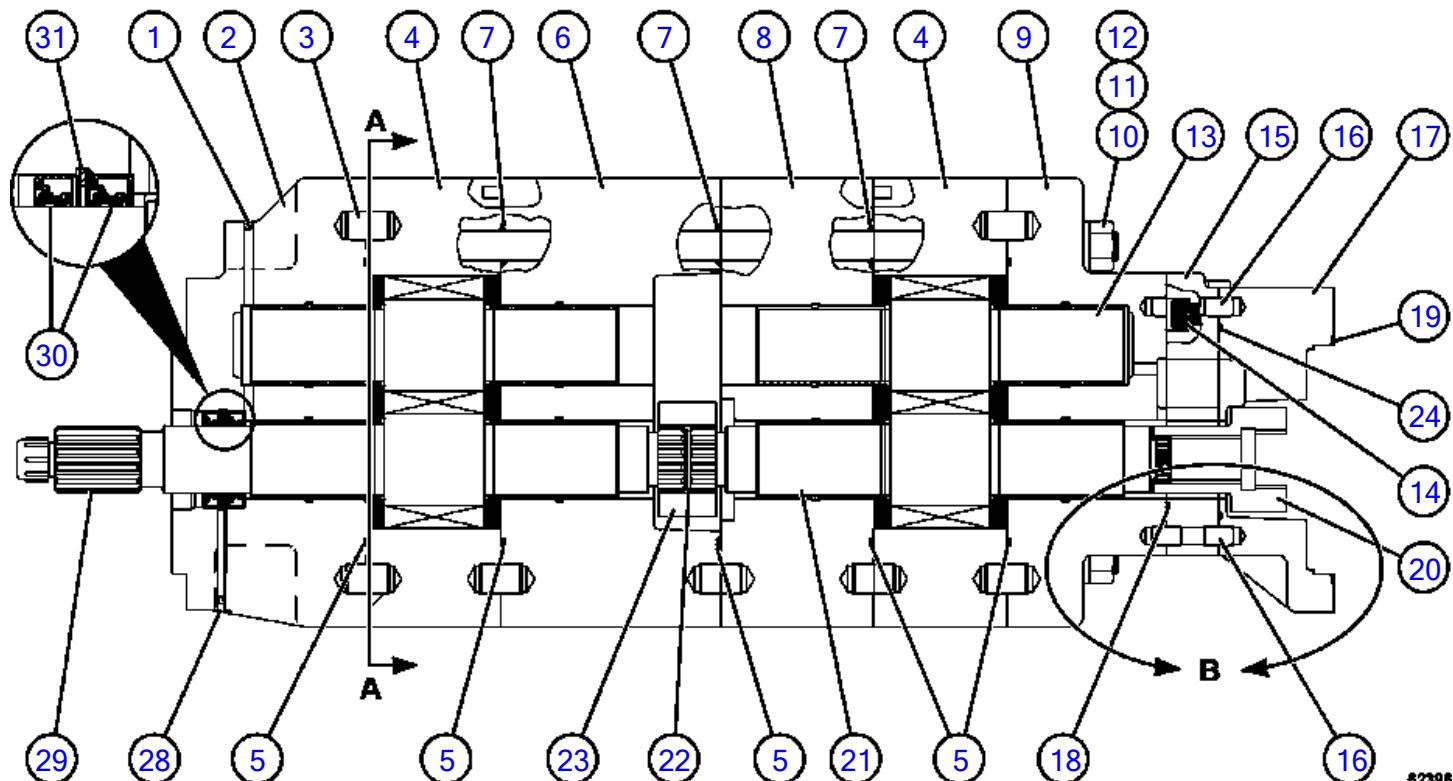
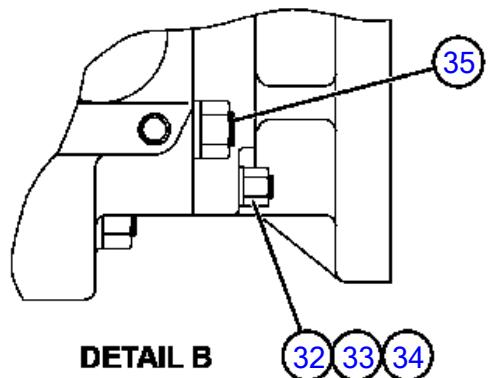
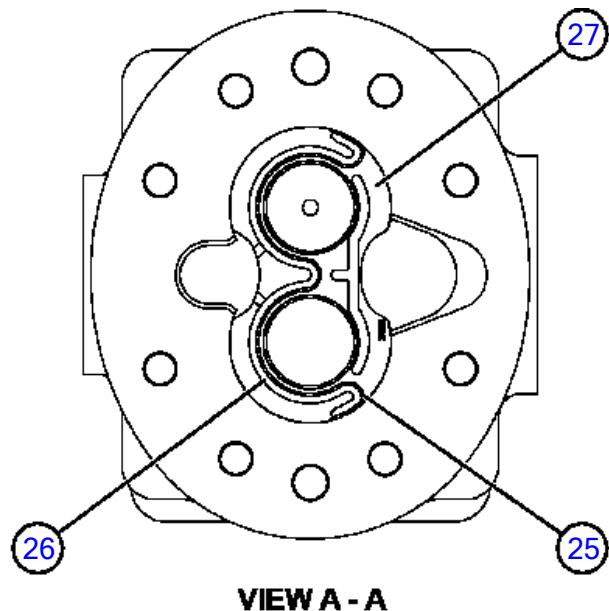
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AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### HOIST PUMP INSTALLATION

Item	Part No	Description	Qty	Page
1	PB9008	HOIST PUMP ASSEMBLY (SEE INDEX)	1	466
2	XB6568	MOUNT, PUMP/VALVE	1	
3	PB7940	FLANGE, COMPANION	1	
4	H0989	JAM NUT - 1" - 14NF	1	
5	EB3976	WASHER (SPECIAL)	1	
6	TH3747	LOCKNUT - 3/4" - 10NC	4	
7	WA0362	FLAT WASHER - 3/4" (HARDENED)	4	
8	C1647	CAPSCREW - 3/4" - 10NC X 2 3/4"	4	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

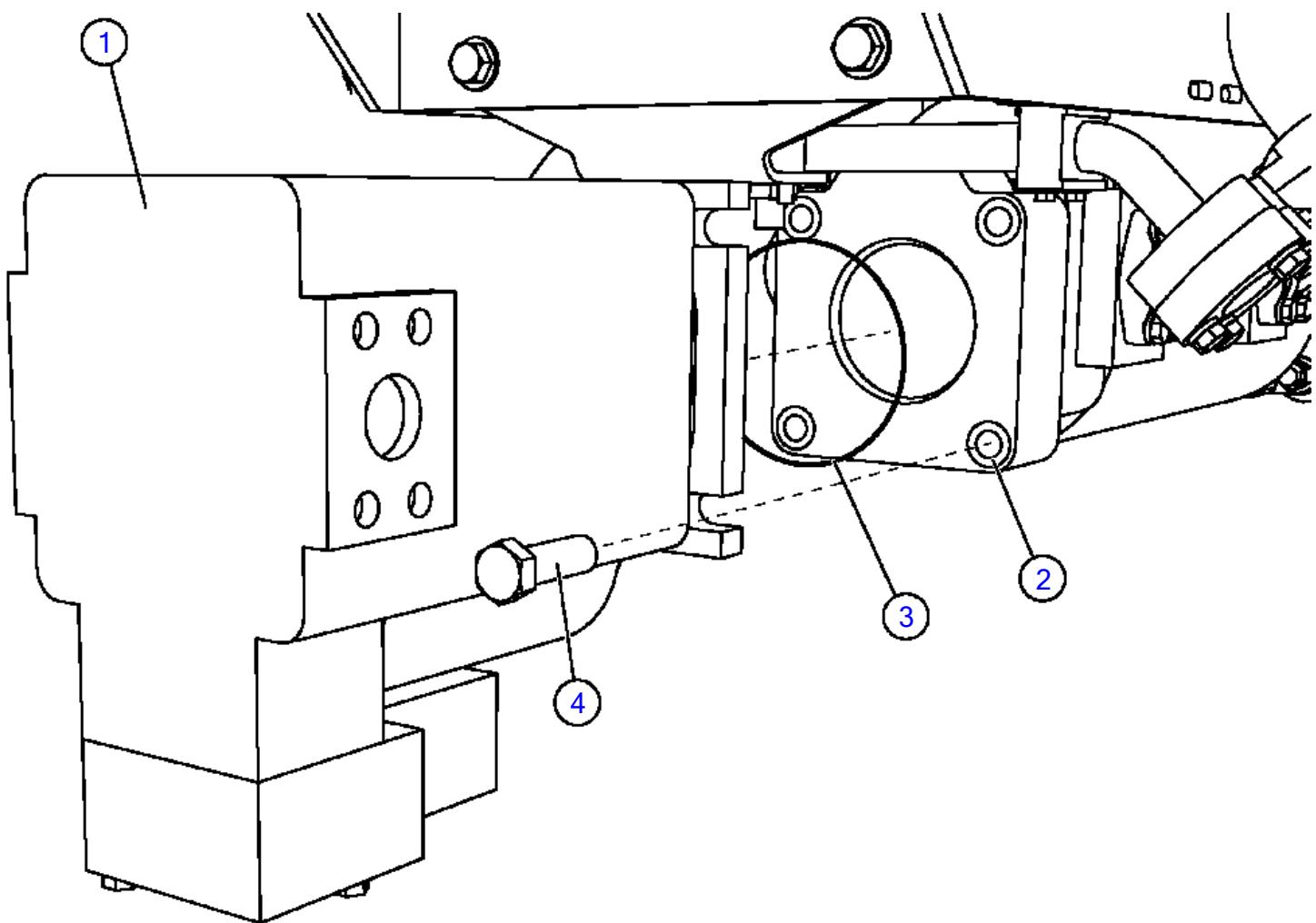


**AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA**

HOIST PUMP ASSEMBLY PB9008

HOIST PUMP ASSEMBLY		Description	Qty
Item	Part No		
1	TH7965	BALL, STEEL - 1/4"	1
2	VE3571	FLANGE	1
3	VE3588	DOWEL	10
4	VE7795	PLATE, GEAR	2
5	WA0262	O-RING (1)/(2)	5
6	VE3572	PLATE, CONNECTOR	1
7	VE3593	O-RING (2)	24
8	VE3574	PLATE, BEARING	1
9	VE3573	PLATE, CONNECTOR	1
10	VE3592	WASHER	8
11	25632R1	NUT	8
12	BF2675	STUD	4
13	VE7797	GEAR, IDLER	2
14	BF0065	CAPSCREW	8
15	VE3575	PLATE, BEARING	1
16	VS0629	DOWEL	4
17	VE8967	PLATE, TRANSITION (3)	1
18	WA0158	O-RING (2)/(3)	1
19	WA0098	O-RING	1
20	VE8966	COUPLING, SPLINE (3)	1
21	BF2674	GEAR, DRIVE	1
22	SL8698	SNAP RING	1
23	VE3589	COUPLING	1
24	WA0155	O-RING (2)/(3)	1
25	VE3583	RING, BACKUP (2)	4
26	VE3584	O-RING (2)	4
27	58D-98-00030	PLATE, PRESSURE	4
28	VE1783	PLUG (1)/(2)	1
29	BF2673	GEAR, DRIVE	1
30	VE3586	SEAL (1)/(2)	2
31	TG3789	SNAP RING (1)/(2)	1
32	VE5201	STUD	4
33	WA0360	FLAT WASHER - 1/2" (HARDENED)	4
34	25527R1	NUT	4
35	BF2676	STUD	4
NS	VE3594	NOTE: (1) INCLUDED IN VE3594 SHAFT SEAL KIT.	
NS	BF0033	(2) INCLUDED IN BF0033 SOFT GOODS SERVICE KIT.	
NS	PB8769	(3) INCLUDED IN PB8769 PUMP REWORK KIT.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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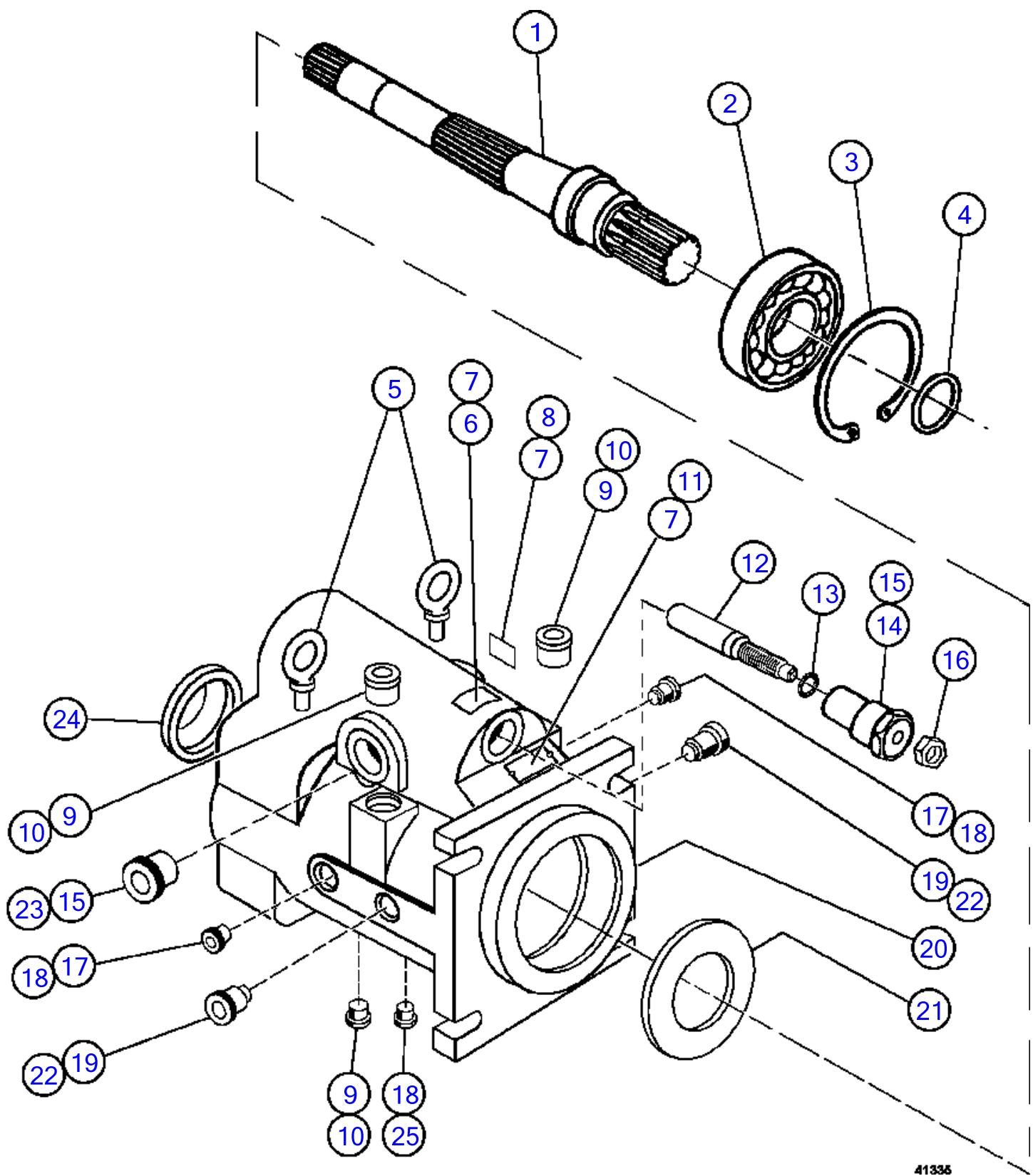
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AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA

## STEERING PUMP INSTALLATION

Item	Part No	Description	Qty	Page
1	58C-60-00080	STEERING PUMP ASSEMBLY (SEE INDEX)	1	470
2	VG9058	RING, SEATING	4	
3	WA0098	O-RING	1	
4	C1645	CAPSCREW - 3/4" - 10NC X 2 1/4"	4	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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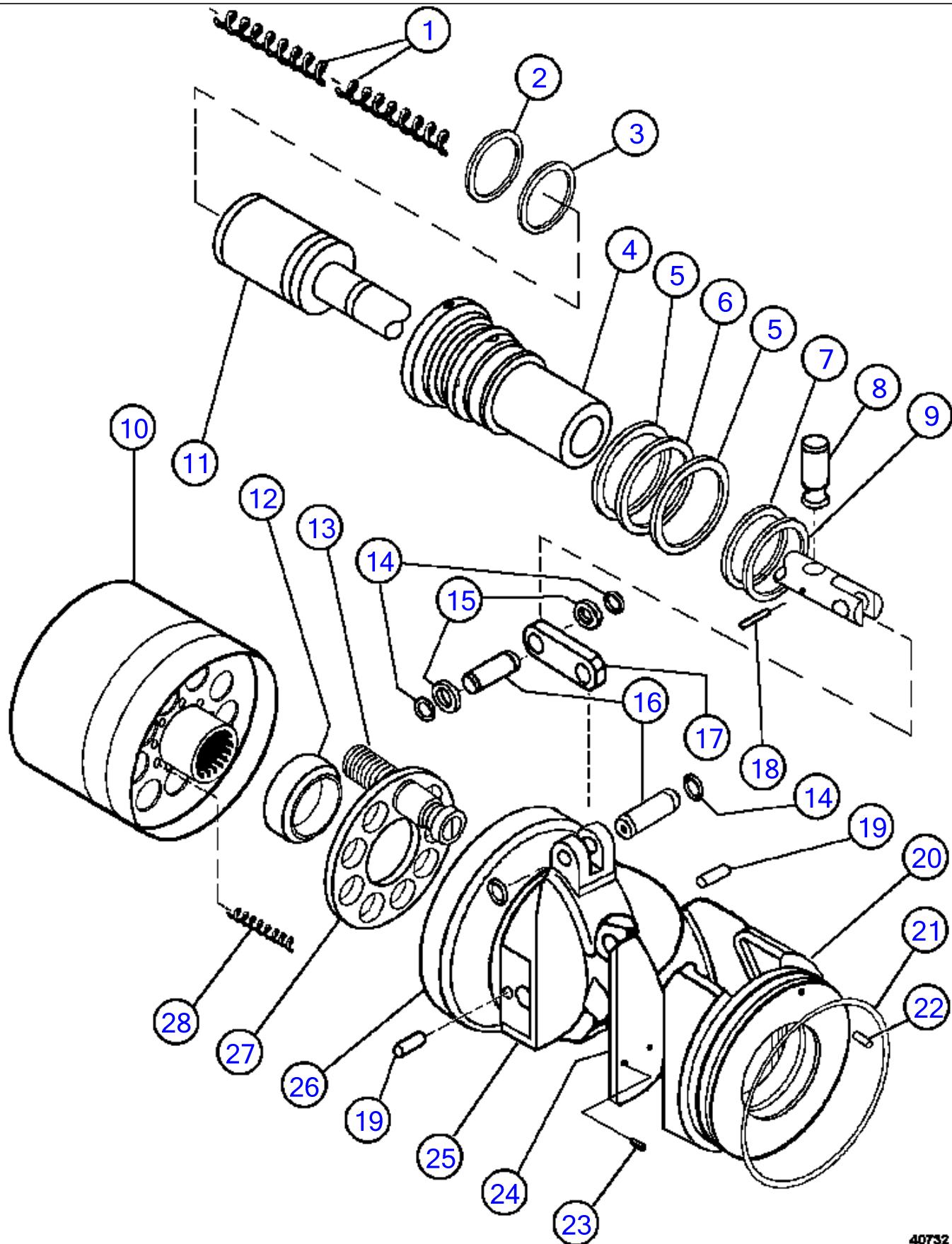
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**STEERING PUMP HOUSING (FRONT) 58C-60-00080**

Item	Part No	Description	Qty
1	VE9566	DRIVE SHAFT W/ SPLINE	1
2	VE9568	BEARING	1
3	VE9570	RING, RETAINING	1
4	VE9569	RING, RETAINING	1
5	VE9535	EYE BOLT	2
6	VE9545	NAME PLATE	1
7	VE9544	DRIVE SCREW	8
8	VE9542	NAME PLATE	1
9	VE9538	PLUG	3
10	VE9540	O-RING	3
11	VE9543	NAME PLATE	1
12	VE9597	STEM	1
13	VE9598	SEAL, O-RING	1
14	VE9595	GLAND	1
15	58E-98-00050	SEAL, O-RING (1)	2
16	BF3733	JAM NUT	1
17	VE9534	BEARING, RETAINER PIN	2
18	VE9546	SEAL, O-RING	3
19	VE9562	PIN, SWASH BLOCK	2
20	VE9530	HOUSING, PUMP	1
21	VE9567	RETAINER, SEAL	1
22	BF0293	O-RING	2
23	VE9536	PLUG	1
24	VE9532	SEAL, SHAFT	1
25	VE9607	PLUG, HOLLOW HEX	1
NS	58E-98-00000	NOTE: (1) INCLUDED IN 58E-98-00000 PUMP SEAL KIT.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



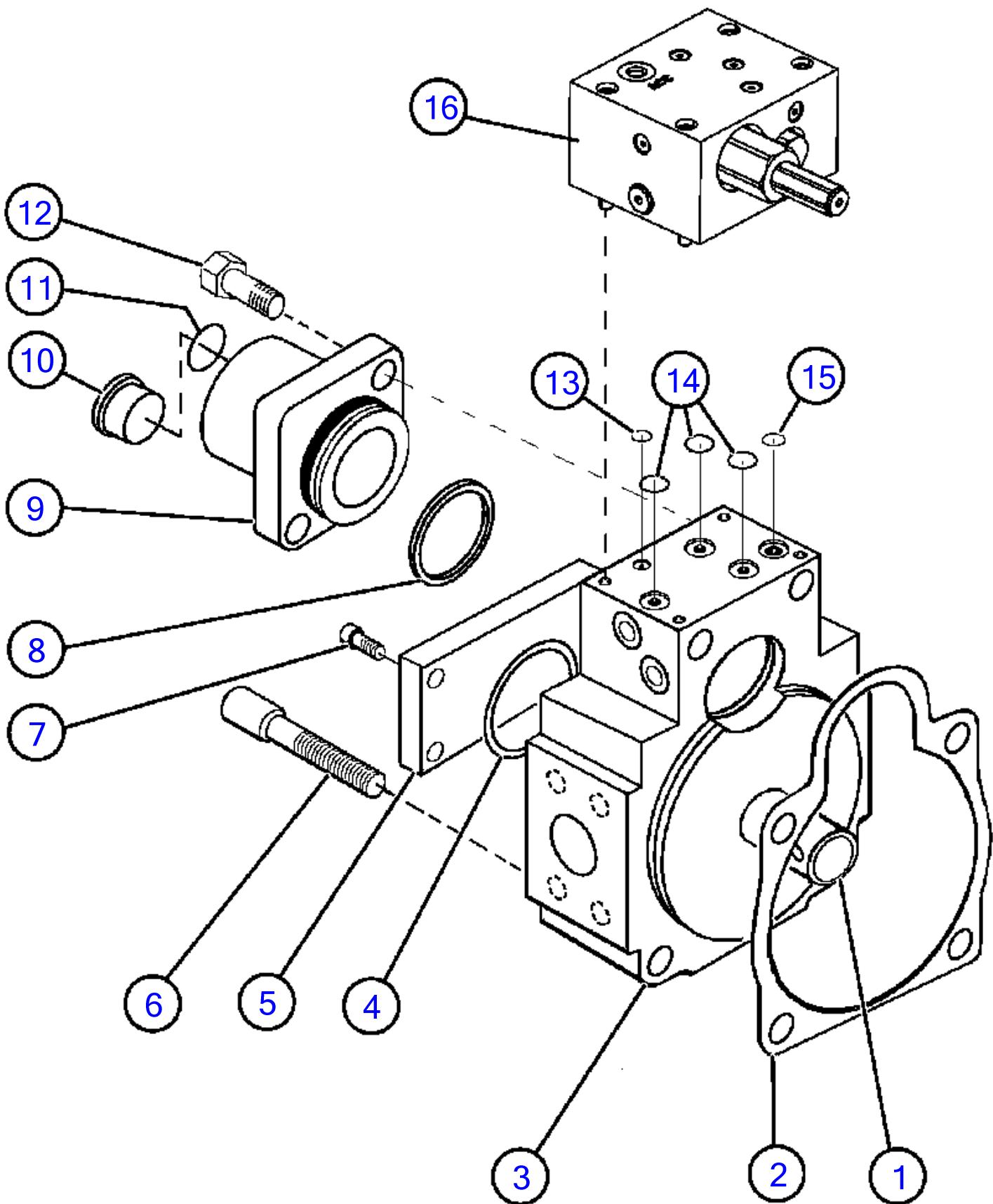
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 A31597 ANTAMINA

**STEERING PUMP ROTATING GROUP 58C-60-00080**

Item	Part No	Description	Qty
1	VE9591	SPRING	2
2	VE9586	SEAL (1)	1
3	VE9581	RING, PISTON (1)	1
4	58E-98-00470	SLEEVE	1
5	58E-98-00040	RING, BACKUP (1)	2
6	58E-98-00020	SEAL, O-RING (1)	1
7	58E-98-00010	SEAL, O-RING (1)	1
8	VE9579	PIN	1
9	58E-98-00030	RING, BACKUP (1)	1
10	VE9553	BARREL, CYLINDER	1
11	VE9577	PISTON	1
12		BALL (3)	1
13	VE9554	PISTON SHOE ASSEMBLY	9
14	VE9574	RING, RETAINING	4
15	VE9575	WASHER	2
16	VE9573	PIN	2
17	VE7572	LINK	1
18	VE9584	PIN	1
19	VE9564	PIN, DOWEL	2
20	VE9559	SADDLE	1
21	VE9539	SEAL, O-RING	1
22	VE9533	ROLLPIN	1
23	BF2617	ROLLPIN (2)	4
24	BF2616	BEARING (2)	2
25	BF3176	SWASH BLOCK (W/ PIN)	1
26	VE9531	BEARING, CYLINDER	1
27		RETAINER (3)	1
28	VE9556	SPRING	9
NS	58E-98-00000	NOTE: (1) INCLUDED IN 58E-98-00000 PUMP SEAL KIT.	
NS	BF2613	(2) INCLUDED IN BF2613 BEARING KIT.	
NS		(3) NOT SERVICED SEPARATELY.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



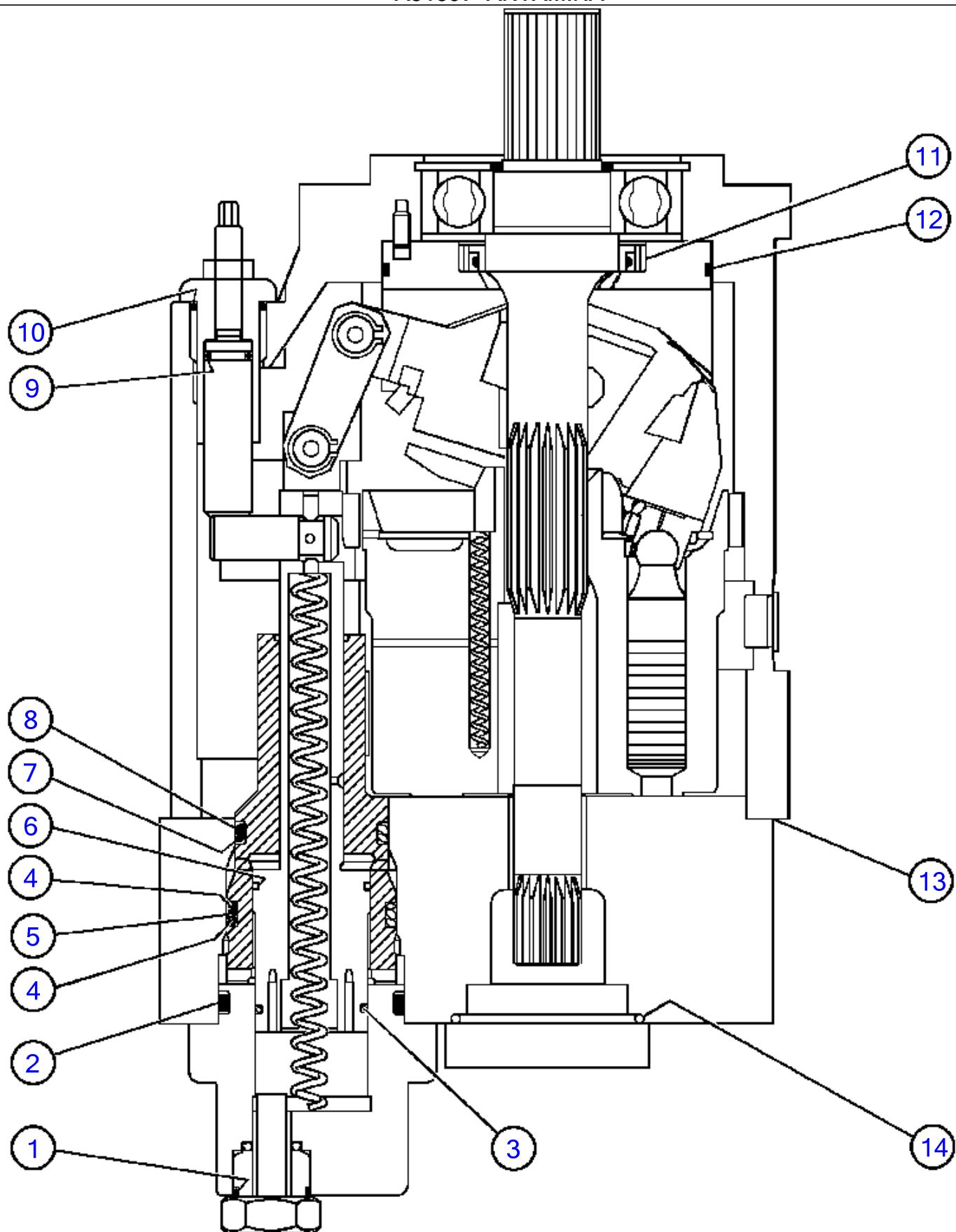
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 A31597 ANTAMINA

**STEERING PUMP HOUSING (REAR) 58C-60-00080**

Item	Part No	Description	Qty	Page
1	VE9550	BEARING	1	
2	VE9549	GASKET	1	
3	VE9548	PLATE, VALVE - R.H.	1	
4	VE9551	O-RING	1	
5	VE9600	COVER, VALVE PLATE	1	
6	VE9537	CAPSCREW	4	
7	VE9601	CAPSCREW	4	
8	XA0196	SEAL (1)	1	
9	VE9588	CAP	1	
10	VE9536	PLUG	1	
11	58E-98-00050	SEAL, O-RING (1)	1	
12	VE9592	CAPSCREW	4	
13	VE9615	O-RING (1)	1	
14	VE9616	O-RING	3	
15	VE9617	O-RING	1	
16	58E-98-00370	CONTROL ASSEMBLY (SEE INDEX)	1	
NS	58E-98-00000	NOTE: (1) INCLUDED IN 58E-98-00000 PUMP SEAL KIT.		478

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

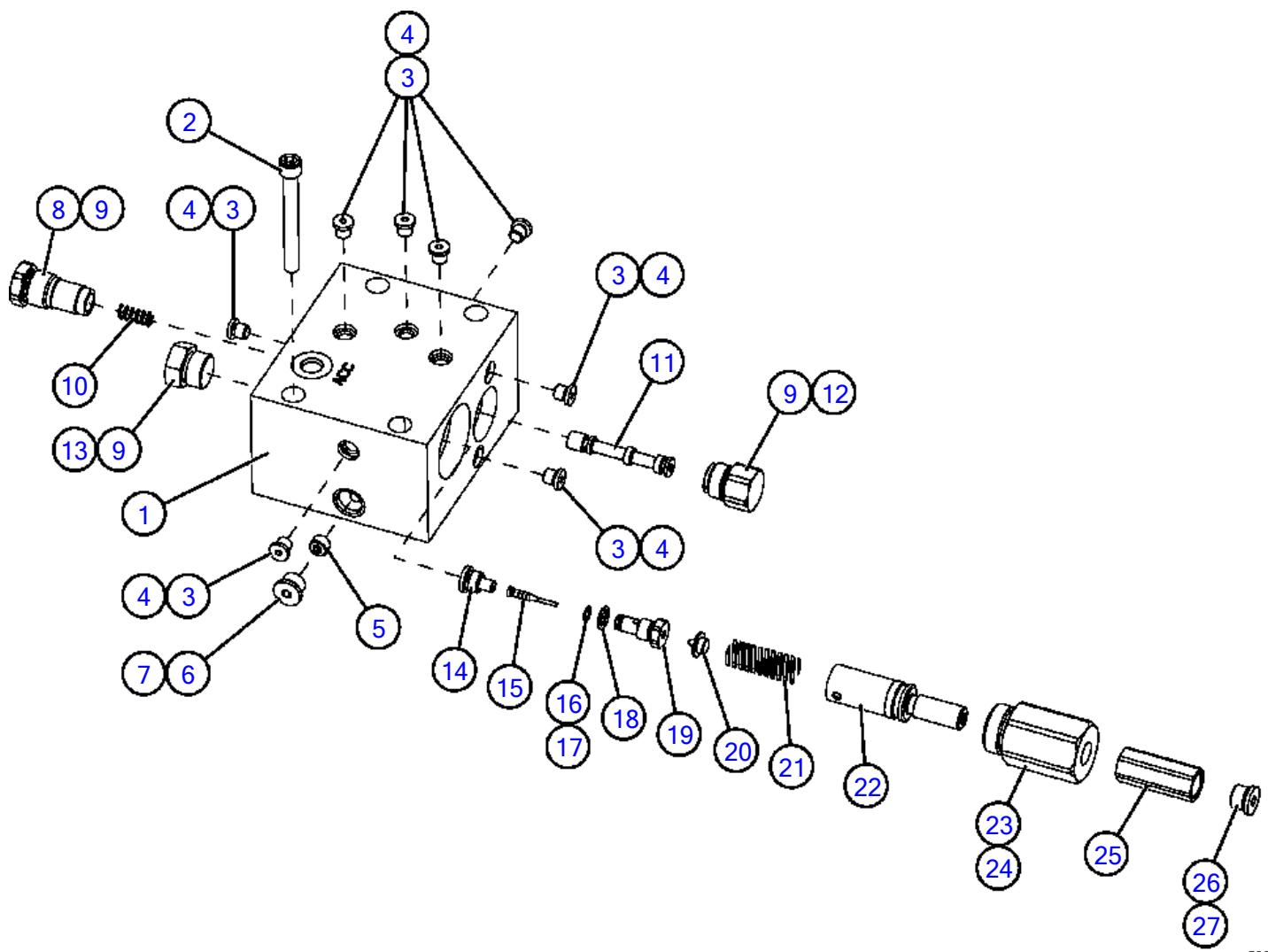


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31597 ANTAMINA

**STEERING PUMP SEAL INSTALLATION 58C-60-00080**

Item	Part No	Description	Qty
1	58E-98-00050	SEAL, O-RING (1)	1
2	XA0196	SEAL (1)	1
3	VE9586	SEAL (1)	1
4	58E-98-00040	RING, BACKUP (1)	2
5	58E-98-00020	SEAL, O-RING (1)	1
6	VE9581	RING, PISTON (1)	1
7	58E-98-00010	SEAL, O-RING (1)	1
8	58E-98-00030	RING, BACKUP (1)	1
9	VE9598	SEAL, O-RING	1
10	58E-98-00050	SEAL, O-RING (1)	1
11	VE9532	SEAL, SHAFT	1
12	VE9539	SEAL, O-RING	1
13	VE9549	GASKET	1
14	VE9551	O-RING	1
NS	58E-98-00000	NOTE: (1) INCLUDED IN 58E-98-00000 PUMP SEAL KIT.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



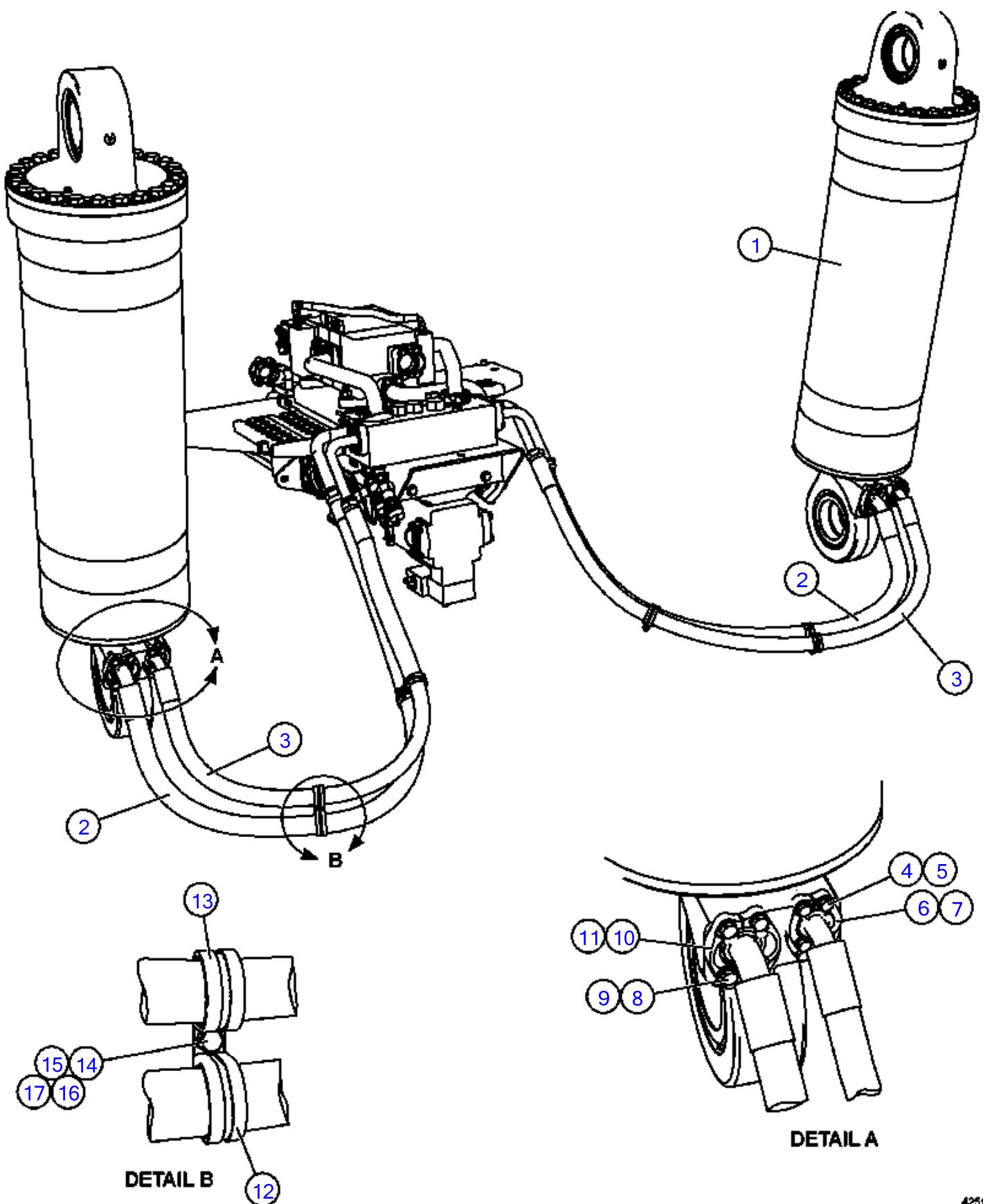
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 A31597 ANTAMINA

**CONTROL ASSEMBLY 58E-98-00370**

Item	Part No	Description	Qty
1	58E-98-00340	BLOCK, CONTROL	1
2	58E-98-00420	CAPSCREW, HEX HEAD - 5/16" - 18NC X 2 3/4"	4
3	VE9610	PLUG, HOLLOW HEX	8
4	VE9613	O-RING	8
5	BF1731	ORIFICE	1
6	VE9607	PLUG, HOLLOW HEX	1
7	VE9612	O-RING	1
8	58E-98-00400	CAP, SPRING	1
9	BF1330	O-RING	3
10	BF3511	SPRING, 4-WAY VALVE	1
11	58E-98-00380	SPOOL, CONTROL VALVE	1
12	58E-98-00390	CAP, SPOOL	1
13	BF1680	PLUG	1
14	58E-98-00410	PLUG, STOP	1
15	58E-98-00430	PIN, PUSH	1
16	BF2184	O-RING	1
17	BF2186	RING, BACKUP	1
18	58E-98-00450	O-RING	1
19	58E-98-00460	POPPET, VALVE	1
20	58E-98-00440	SEAT, VALVE	1
21	BF2183	SPRING	1
22	BF2178	SCREW, ADJUSTING	1
23	BF2179	BONNET, MODULE	1
24	BF3513	O-RING	1
25	BF2187	CAP, ADJUSTER	1
26	BF2189	PLUG	1
27	VE9611	O-RING	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

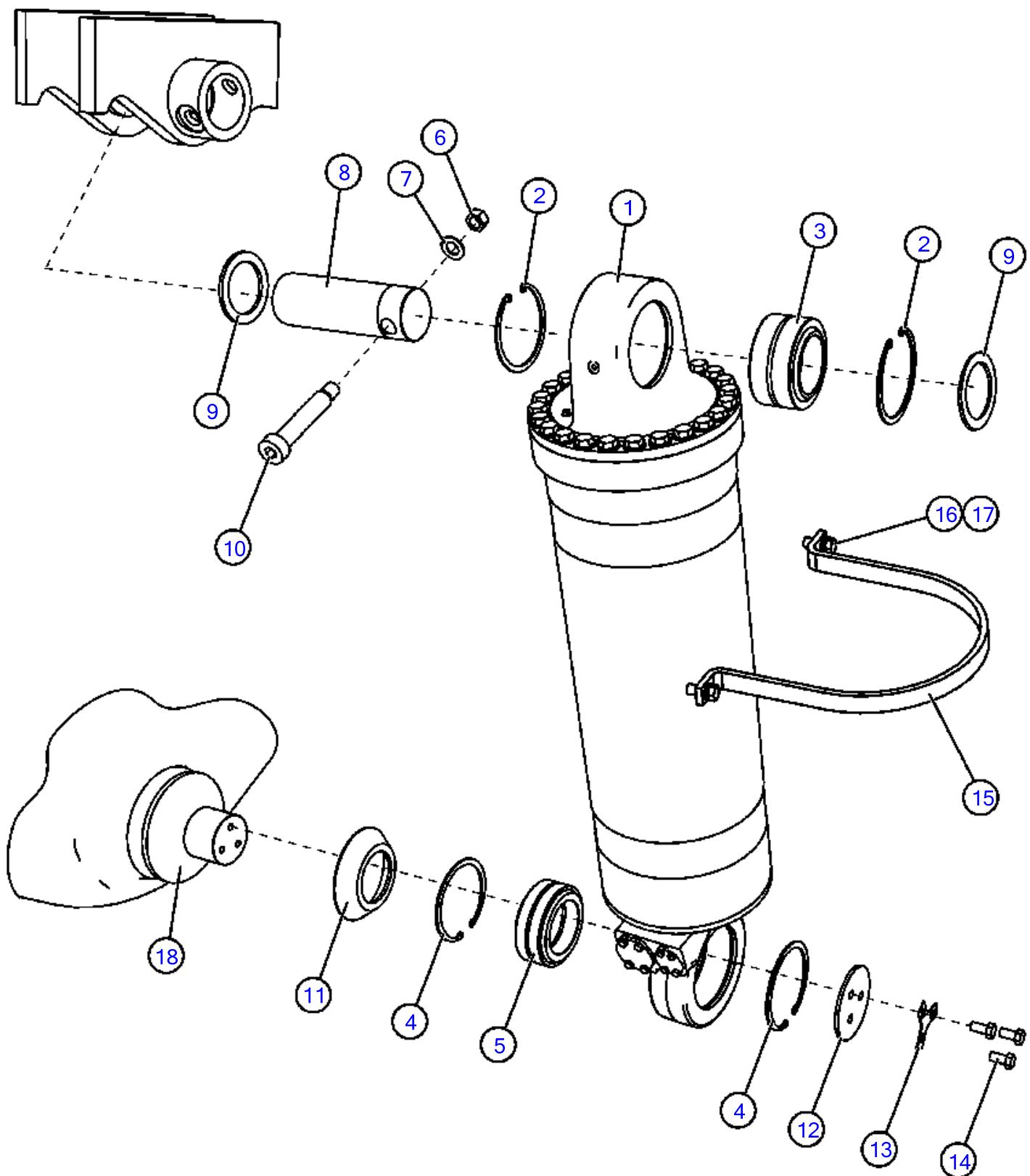


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 A31597 ANTAMINA

### HOIST CYLINDER PIPING

Item	Part No	Description	Qty	Page
1	EM8356	HOIST CYLINDER ASSEMBLY (SEE INDEX)	1	484
2	HA6330	HOSE	2	
3	HA6340	HOSE	2	
4	C1609	CAPSCREW - 7/16" - 14NC X 1 1/2"	4	
5	C5775	LOCKWASHER - 7/16"	4	
6	TF3237	CLAMP, SPLIT FLANGE - 1 1/4"	2	
7	VG9096	O-RING	1	
8	C1614	CAPSCREW - 1/2" - 13NC X 1 1/2"	4	
9	C1540	LOCKWASHER - 1/2"	4	
10	TF3231	CLAMP, SPLIT FLANGE - 2"	2	
11	WA0187	O-RING	1	
12	WB1307	CLAMP, CUSHIONED - 2 3/16"	2	
13	WB3094	CLAMP, CUSHIONED - 1 3/4"	2	
14	MM0606	CAPSCREW - M10 X 1.50 X 30	2	
15	MM0461	FLAT WASHER - M10	4	
16	MM0471	LOCKWASHER - M10	2	
17	MM0178	NUT - M10 X 1.50	2	
(QUANTITIES SHOWN ARE FOR ONE CYLINDER ONLY.)				

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



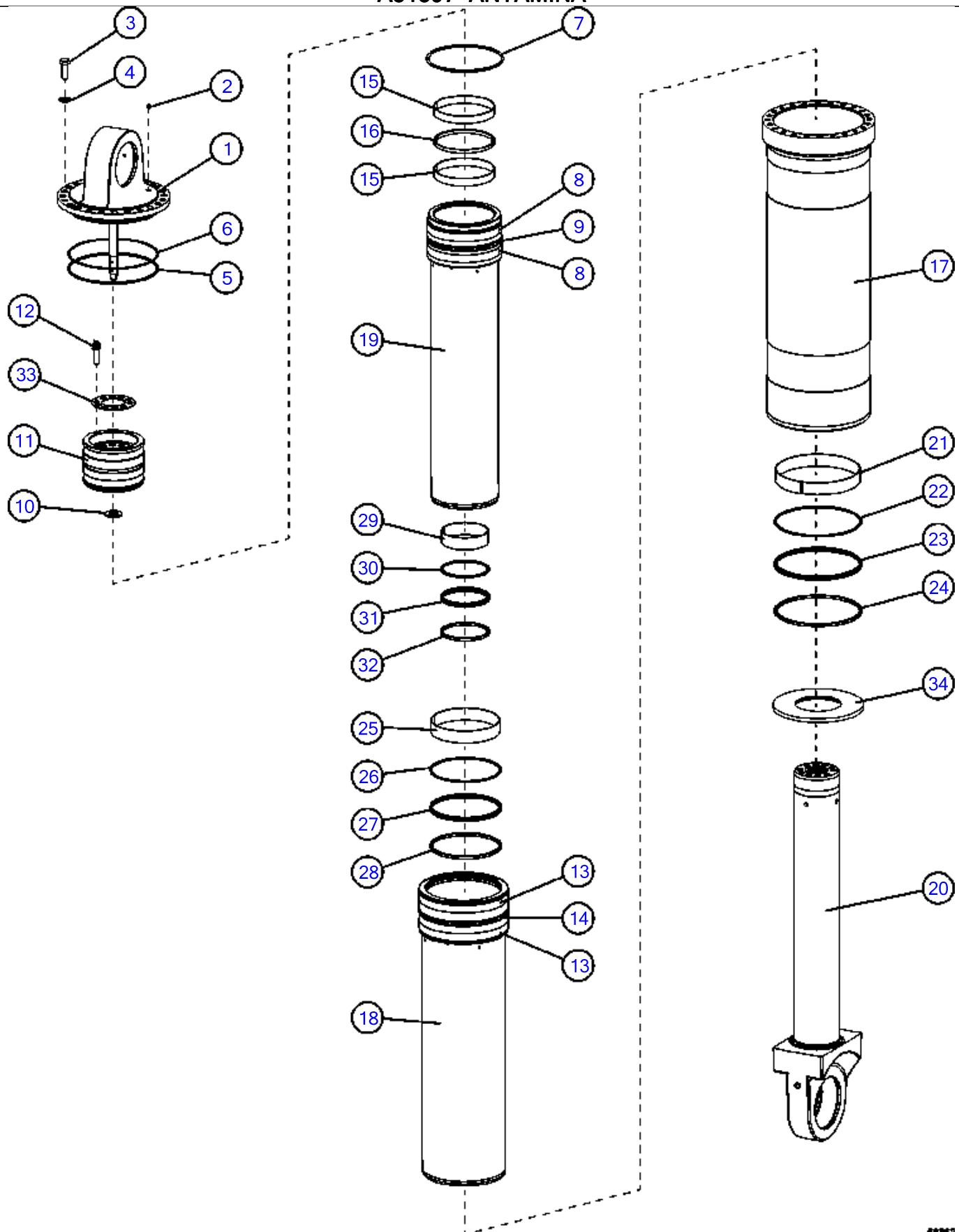
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## HOIST CYLINDER INSTALLATION

Item	Part No	Description	Qty	Page
1	EM8355	HOIST CYLINDER ASSEMBLY W/BEARINGS	1	
	EM8356	• HOIST CYLINDER ASSEMBLY (1) (SEE INDEX)	1	484
2	VN9350	• RING, RETAINING (2)	2	
3	VL4293	• BUSHING, BALL (2)	1	
4	VN9353	• RING, RETAINING	2	
5	PB8931	• BUSHING, BALL	1	
6	PC3201	NUT, SELF-LOCKING - 1 1/8" - 7NC (2)	1	
7	WA0365	FLAT WASHER - 1 1/8" (HARDENED) (2)	1	
8	EH7921	PIN, UPPER HOIST (2)	1	
9	EH7816	SPACER, UPPER HOIST PIN (2)	2	
10	EM8111	SHOULDER BOLT - 1 1/8" - 7NC X 6.34" (2)	1	
11	EF4835	SPACER, BEARING	1	
12	EF4836	PLATE, RETAINER	1	
13	EF4837	PLATE, LOCKING	1	
14	MM0021	CAPSCREW - M20 X 2.50 X 40	3	
15	TY9627	CLAMP	1	
16	C1643	CAPSCREW - 3/4" - 10NC X 1 3/4"	2	
17	C1542	LOCKWASHER - 3/4"	2	
18	ED3070	SHAFT, HOIST BEARING	1	
NS		NOTE: (1) NOT SERVICED SEPARATELY. ORDER EM8355.		
NS	AK5673	(2) INCLUDED IN AK5673 UPPER HOIST CYLINDER PIN KIT. (QUANTITIES SHOWN ARE FOR ONE SIDE ONLY.)		
NS				

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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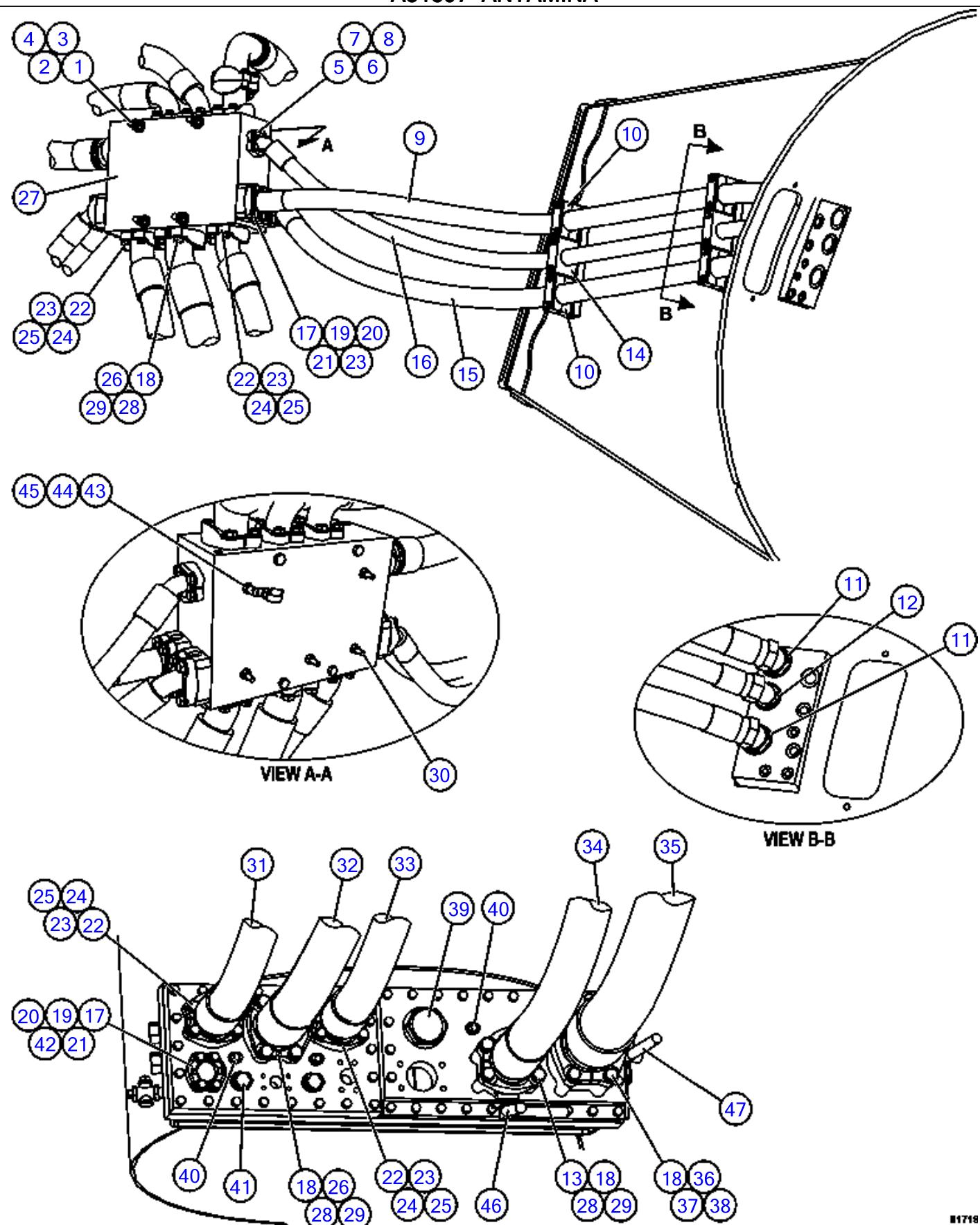
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## HOIST CYLINDER ASSEMBLY

**EM8356**

Item	Part No	Description	Qty
1	EL3417	CYLINDER HEAD ASSEMBLY	1
	EH7939	• HEAD	1
	EL3415	• QUILL ASSEMBLY	1
	EL3414	• • QUILL	1
	722187	• • POPPET, BALL	2
	EB8590	• • PLUG	2
2	VM2202	PLUG, VENT (1)	1
3	VN9088	CAPSCREW - 7/8" - 9NC X 2 1/2"	24
4	WA0363	FLAT WASHER - 7/8" (HARDENED)	24
5	WA0456	O-RING (1)	1
6	WA1456	RING, BACKUP (1)	1
7	PC1050	SNAP RING (1)	1
8	PB7444	BEARING - 11 3/4" (1)	2
9	PB8618	SEAL - 11 3/4" (1)	1
10	TY1503	SEAL (1)	1
11	EM7347	RETAINER, BEARING	1
12	WA0879	CAPSCREW - 7/8" - 9NC X 2 1/2"	10
13	PB6792	BEARING - 14" (1)	2
14	PB8908	SEAL - 14" (1)	1
15	PB6555	BEARING - 9 1/2" (1)	2
16	PB8615	SEAL - 9 1/2" (1)	1
17	EG1222	HOUSING	1
18	EJ5955	TUBE - 13"	1
19	EJ5957	TUBE - 10 1/2"	1
20	EH7933	ROD, PIVOT	1
21	PB9810	BEARING - 13" (1)	1
22	PB9912	SEAL, BUFFER - 13" (1)	1
23	PB9808	SEAL, ROD - 13" (1)	1
24	PB9807	SEAL, WIPER - 13" (1)	1
25	PB9806	BEARING - 10 1/2" (1)	1
26	PB9911	SEAL, BUFFER - 10 1/2" (1)	1
27	PB9804	SEAL, ROD - 10 1/2" (1)	1
28	PB9803	SEAL, WIPER - 10 1/2" (1)	1
29	PB9802	BEARING - 7" (1)	1
30	PB9910	SEAL, BUFFER - 7" (1)	1
31	PB9800	SEAL, ROD - 7" (1)	1
32	PB9799	SEAL, WIPER - 7" (1)	1
33	EG9090	PLATE	1
34	EK7088	RING, CUSHION (1)	1
NS	AK5516	NOTE: (1) INCLUDED IN AK5516 REBUILD KIT.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

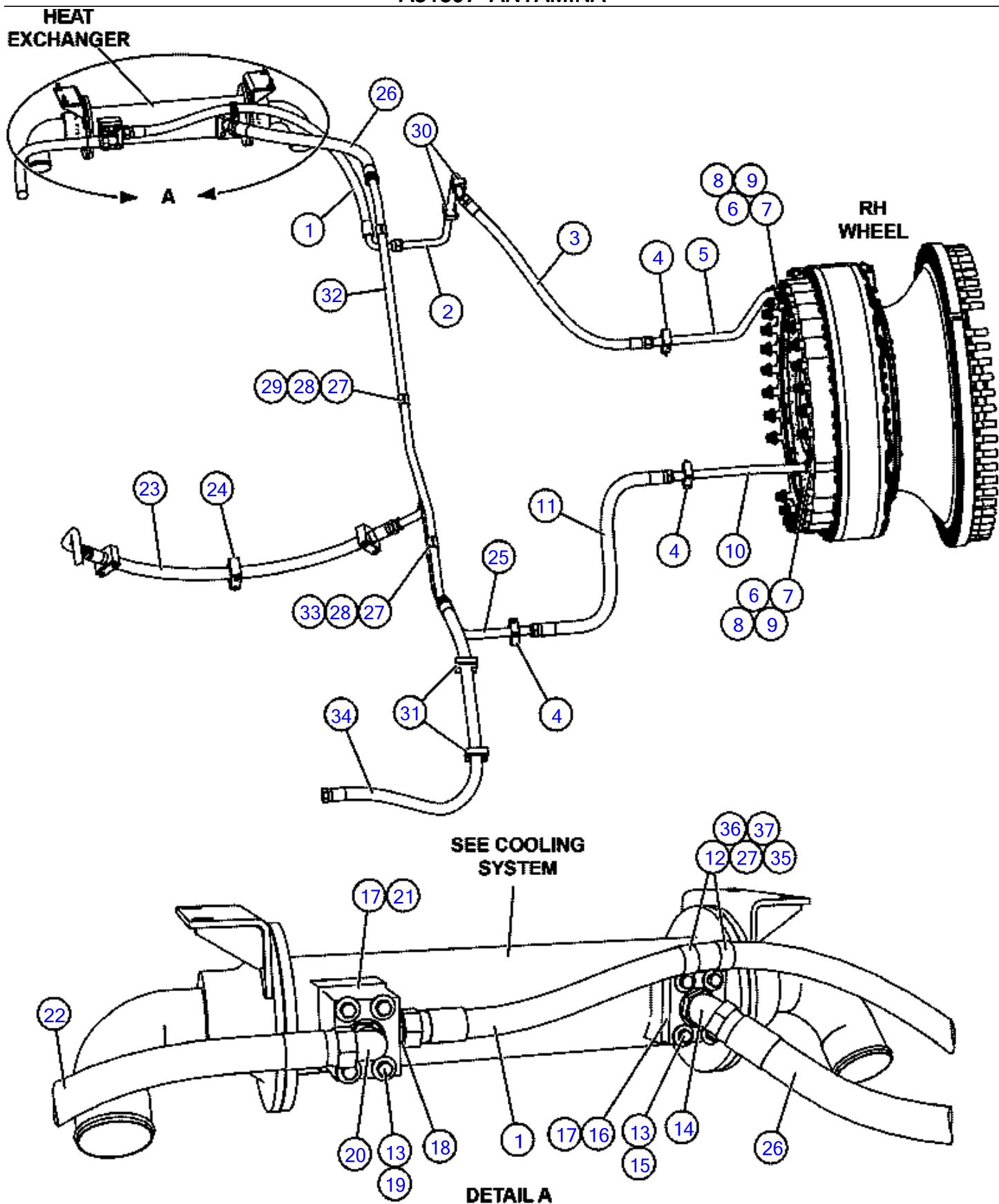


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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA**

**BRAKE COOLING PIPING 1/3**

Item	Part No	Description	Qty
1	VN9210	CAPSCREW - 5/8" - 11NC X 7 1/2"	4
2	WA0361	FLAT WASHER - 5/8" (HARDENED)	4
3	VC1390	LOCKWASHER - 5/8"	4
4	C1525	NUT - 5/8" - 11NC	4
5	C1609	CAPSCREW - 7/16" - 14NC X 1 1/2"	8
6	C5775	LOCKWASHER - 7/16"	8
7	TF3237	CLAMP, SPLIT FLANGE - 1 1/4"	4
8	VG9096	O-RING	2
9	HA7699	HOSE	1
10	WA4713	CLAMP, HYDRA ZORB - 2 1/4"	4
11	WB0551	FITTING, ELBOW - 45 DEG	2
12	WB0549	FITTING, ELBOW - 45 DEG	1
13	C1640	CAPSCREW - 5/8" - 11NC X 4 1/2"	4
14	WA4711	CLAMP, HYDRA ZORB - 1 3/4"	2
15	HA7700	HOSE	1
16	HA7698	HOSE	1
17	C1619	CAPSCREW - 1/2" - 13NC X 2 3/4"	8
18	C1541	LOCKWASHER - 5/8"	16
19	TF8090	CLAMP, SPLIT FLANGE - 1 1/2"	2
20	VG9095	O-RING	1
21	EJ7406	FLANGE, ADAPTER	1
22	C1615	CAPSCREW - 1/2" - 13NC X 1 3/4"	16
23	C1540	LOCKWASHER - 1/2"	24
24	VH6718	CLAMP, SPLIT FLANGE - 2 1/2"	8
25	WA0232	O-RING	4
26	C1629	CAPSCREW - 5/8" - 11NC X 1 3/4"	8
27	PC0678	BRAKE COOLING/HOIST RETURN MANIFOLD	1
28	VL9963	CLAMP, SPLIT FLANGE - 3"	6
29	WA0237	O-RING	3
30	PB6770	COUPLING, MALE QUICK DISCONNECT	4
31	HA7706	HOSE	1
32	HA7705	HOSE	1
33	HA7704	HOSE	1
34	HA7387	HOSE	1
35	HA8872	HOSE	1
36	H0539	CAPSCREW - 5/8" - 11NC X 5 1/2"	4
37	VN7716	CLAMP, SPLIT FLANGE - 4"	2
38	WA0245	O-RING	1
39	VM0322	PLUG, O-RING	1
40	VM0314	PLUG	3
41	VM0317	PLUG	2
42	656658C1	PLUG, FLANGE	1
43	PB6041	CAP, DUST	1
44	PC1941	COUPLING, DIAGNOSTIC	1
45	WB0117	FITTING, ELBOW - 45 DEG	1
46	PC0171	VALVE, SHUTOFF	1
47	PC0691	VALVE, SHUTOFF	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

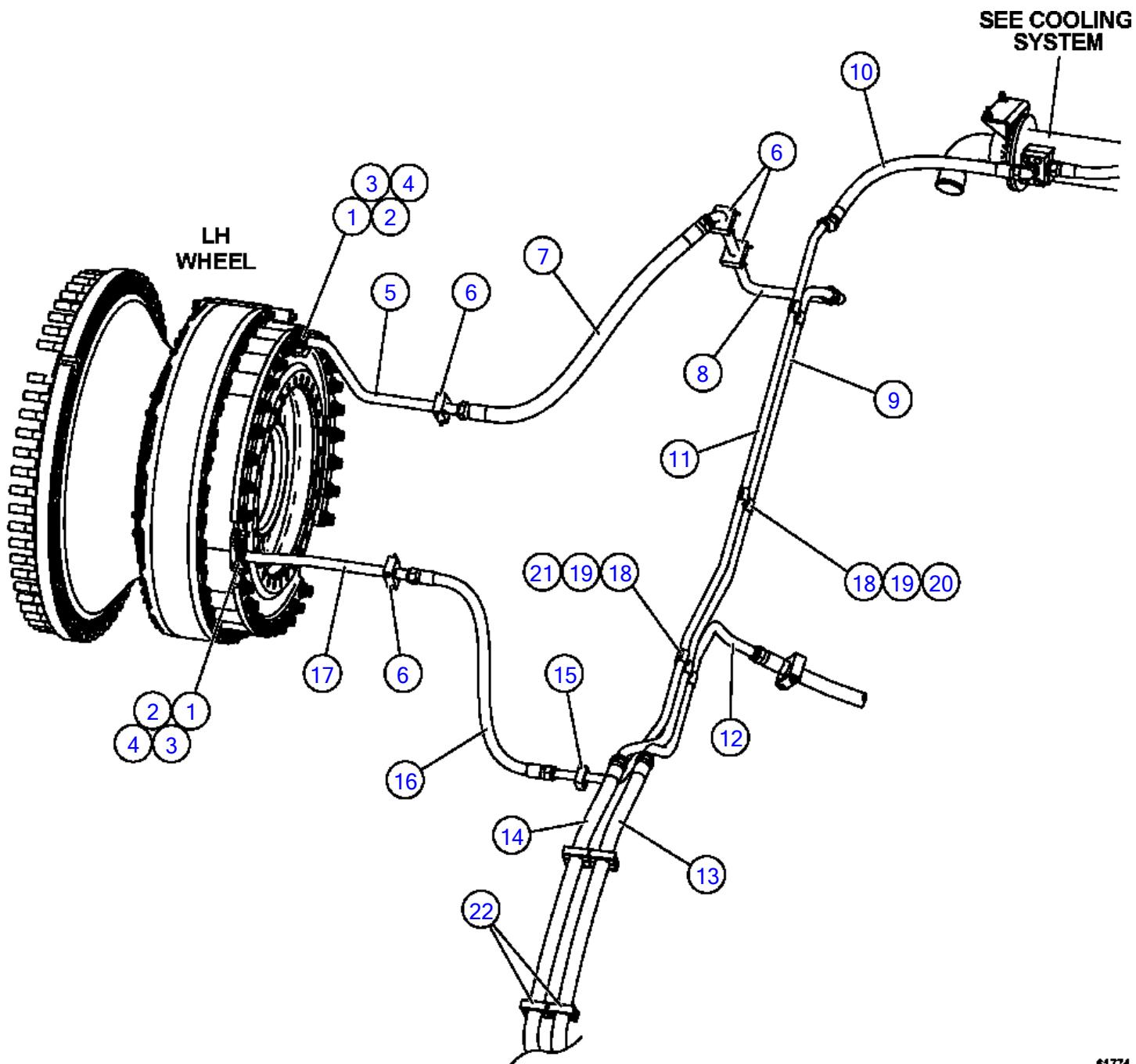


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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA**

**BRAKE COOLING PIPING 2/3**

Item	Part No	Description	Qty
1	HA8572	HOSE	1
2	XB4395	TUBE	1
3	HA8061	HOSE	1
4	WA4710	CLAMP, HYDRA ZORB - 1 1/2"	3
5	XB4488	TUBE	1
6	C1614	CAPSCREW - 1/2" - 13NC X 1 1/2"	4
7	C1540	LOCKWASHER - 1/2"	8
8	TF8090	CLAMP, SPLIT FLANGE - 1 1/2"	4
9	WA3574	O-RING	3
10	XB4484	TUBE	1
11	HA8675	HOSE	1
12	WB3094	CLAMP, CUSHIONED - 1 3/4"	2
13	C1549	FLAT WASHER - 1/2"	8
14	WB0551	FITTING, ELBOW - 45 DEG	1
15	C1616	CAPSCREW - 1/2" - 13NC X 2"	4
16	EG0554	FLANGE, ADAPTER	1
17	WA0232	O-RING	1
18	WB0601	FITTING, STRAIGHT	1
19	C1624	CAPSCREW - 1/2"- 13NC X 4"	4
20	WB0524	FITTING, ELBOW - 90 DEG	1
21	EG0555	FLANGE, ADAPTER	1
22	VF4420	HOSE	1
23	HA8057	HOSE	1
24	WB1053	CLAMP, HEAVY DUTY	3
25	EK4016	TUBE	1
26	VW4075	HOSE	1
27	MM0461	FLAT WASHER - M10	5
28	MM0606	CAPSCREW - M10 X 1.50 X 30	3
29	EJ9701	CLEAT, SINGLE	4
30	WA4709	CLAMP, HYDRA ZORB - 1 1/4"	2
31	WA4712	CLAMP, HYDRA ZORB - 2"	2
32	EJ3084	TUBE	1
33	EJ3083	CLEAT, DOUBLE	2
34	HA7751	HOSE	1
35	426-06-11570	BRACKET, CLAMP	2
36	MM0604	CAPSCREW - M10 X 1.50 X 20	2
37	MM0471	LOCKWASHER - M10	2

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



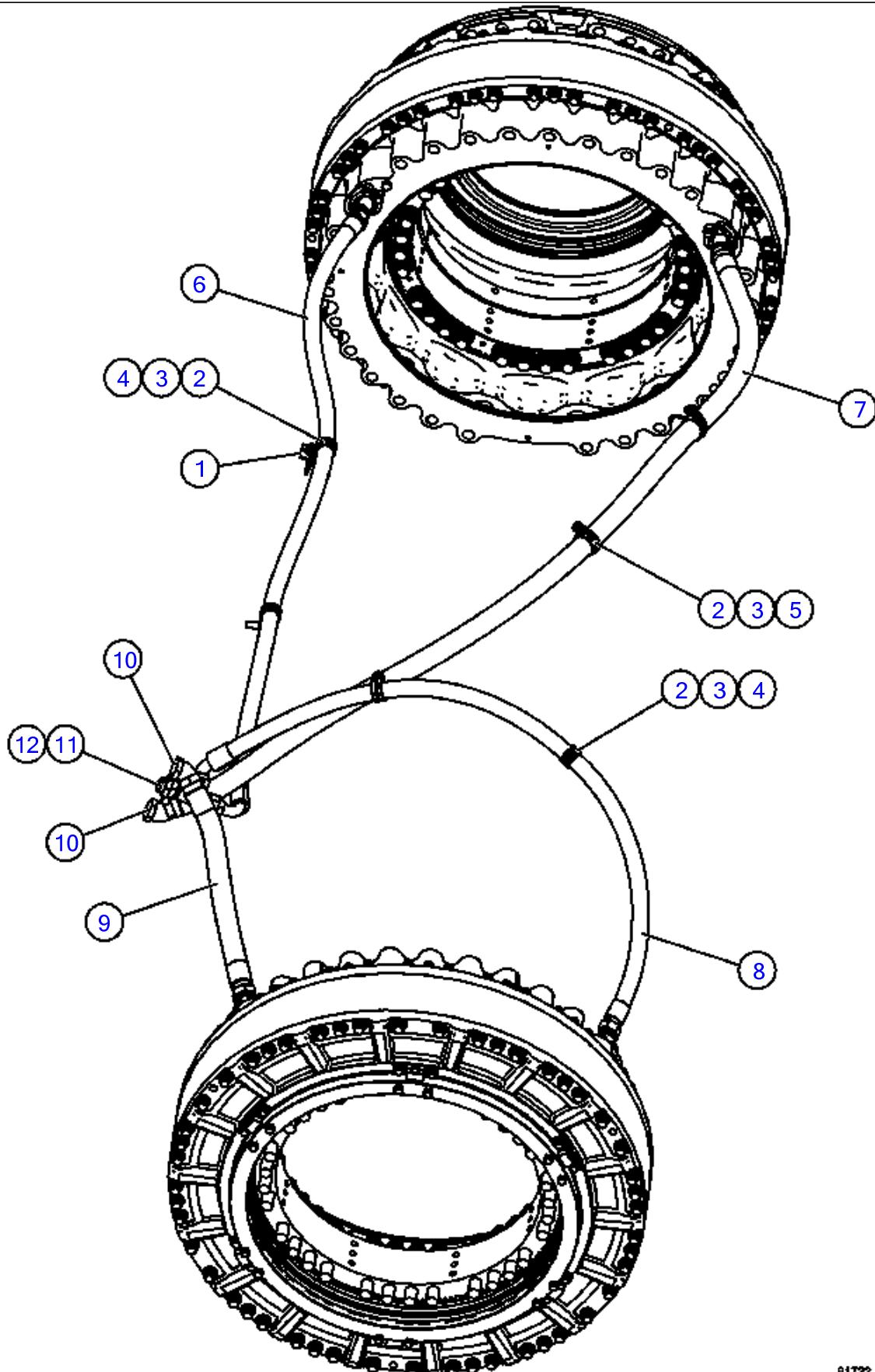
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### BRAKE COOLING PIPING 3/3

Item	Part No	Description	Qty
1	C1614	CAPSCREW - 1/2" - 13NC X 1 1/2"	8
2	C1540	LOCKWASHER - 1/2"	8
3	TF8090	CLAMP, SPLIT FLANGE - 1 1/2"	4
4	WA3574	O-RING	2
5	XB4487	TUBE	1
6	WA4710	CLAMP, HYDRA ZORB - 1 1/2"	4
7	HA8059	HOSE	1
8	XB8755	TUBE	1
9	EJ3086	TUBE	1
10	VF4420	HOSE	1
11	EJ3076	TUBE	1
12	EK2597	TUBE	1
13	HA7818	HOSE	1
14	HA7817	HOSE	1
15	WA4709	CLAMP, HYDRA ZORB - 1 1/4"	1
16	HA8058	HOSE	1
17	XB4485	TUBE	1
18	MM0461	FLAT WASHER - M10	4
19	MM0606	CAPSCREW - M10 X 1.50 X 30	4
20	EJ1121	CLEAT, DOUBLE	4
21	EJ3080	CLEAT, TRIPLE	2
22	WA4713	CLAMP, HYDRA ZORB - 2 1/4"	4

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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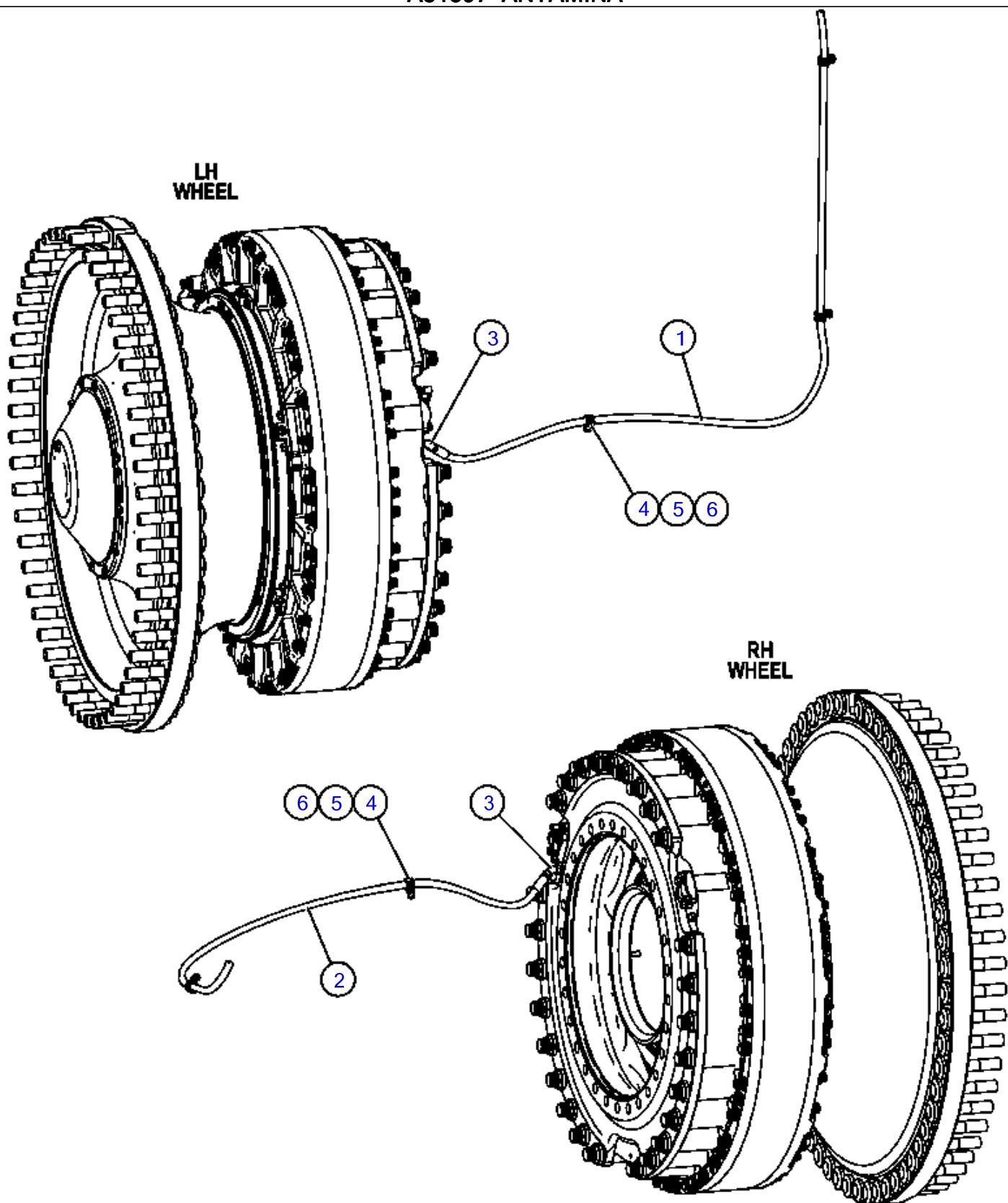
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### BRAKE COOLING PIPING - REAR AXLE

Item	Part No	Description	Qty
1	EM1751	BRACKET	1
2	WA0720	FLAT WASHER - 3/8" (HARDENED)	4
3	HE5611	LOCKNUT - 3/8" - 16NC	4
4	WB3094	CLAMP, CUSHIONED - 1 3/4"	4
5	WB3095	CLAMP, CUSHIONED - 2 1/4"	3
6	HA3642	HOSE	1
7	HA8487	HOSE	1
8	HA8485	HOSE	1
9	HA7409	HOSE	1
10	WB0551	FITTING, ELBOW - 45 DEG	2
11	WB0601	FITTING, STRAIGHT	1
12	WB0388	FITTING, TEE	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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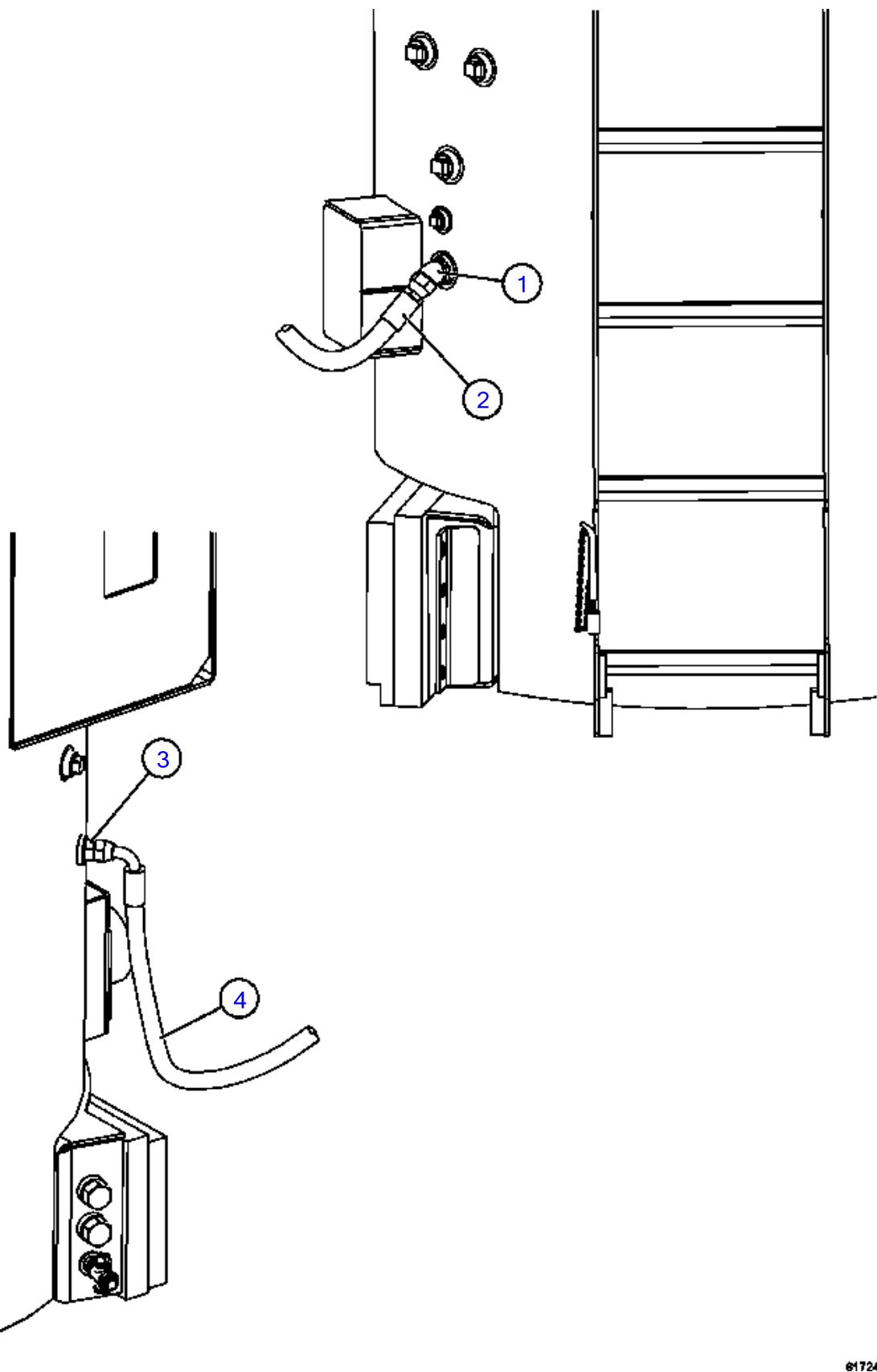


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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA

BRAKE APPLY PIPING 1/4

Item	Part No	Description	Qty
1	HA8696	HOSE	1
2	HA8695	HOSE	1
3	WB0537	FITTING, ELBOW - 45 DEG	2
4	WB1303	CLAMP, CUSHIONED - 3/4"	6
5	MM0461	FLAT WASHER - M10	6
6	MM0178	NUT - M10 X 1.50	6

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



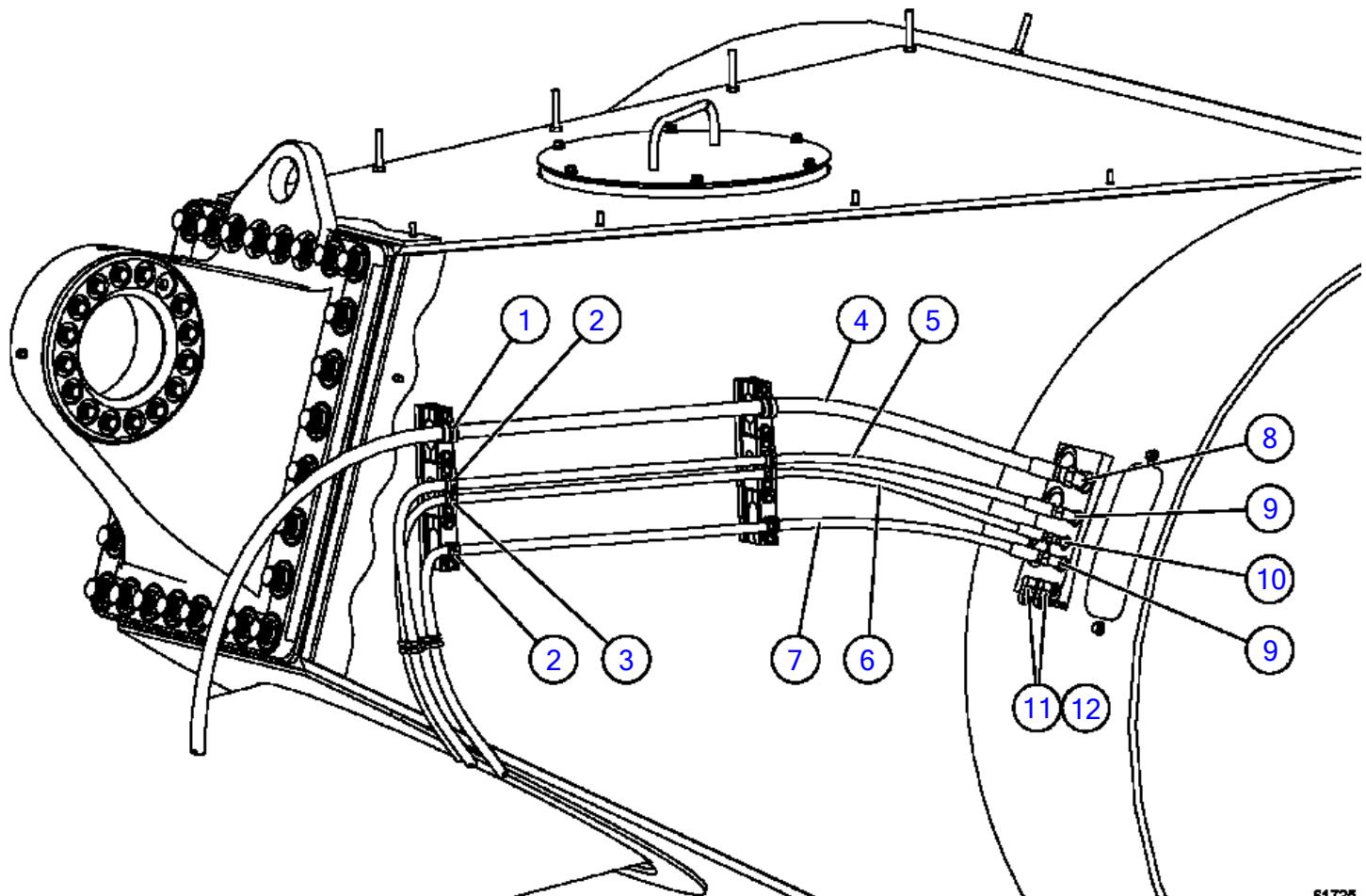
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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA

BRAKE APPLY PIPING 2/4

Item	Part No	Description	Qty
1	WB0542	FITTING, ELBOW - 45 DEG	1
2	HA7834	HOSE	1
3	WB0593	FITTING, STRAIGHT	1
4	HA7419	HOSE	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



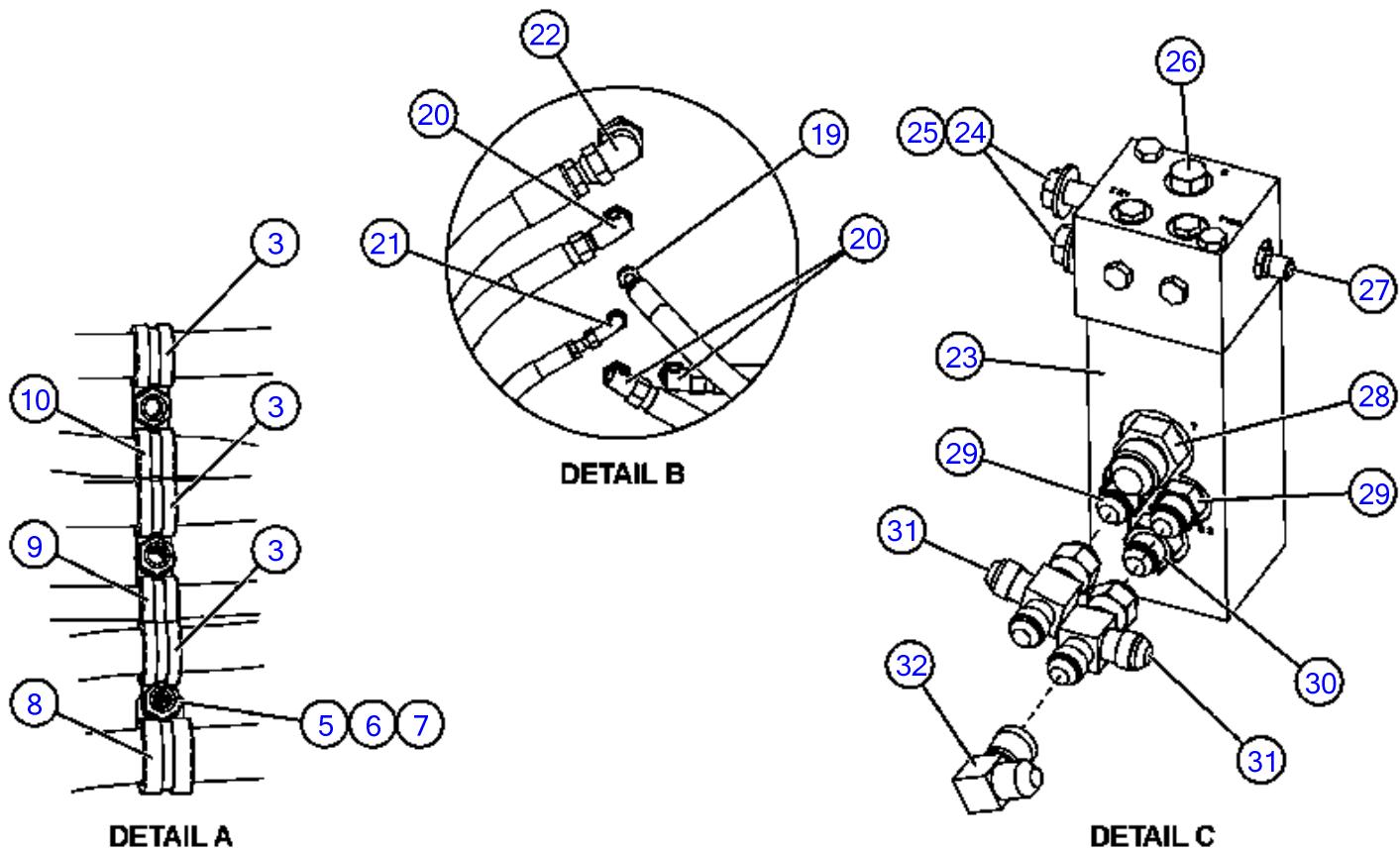
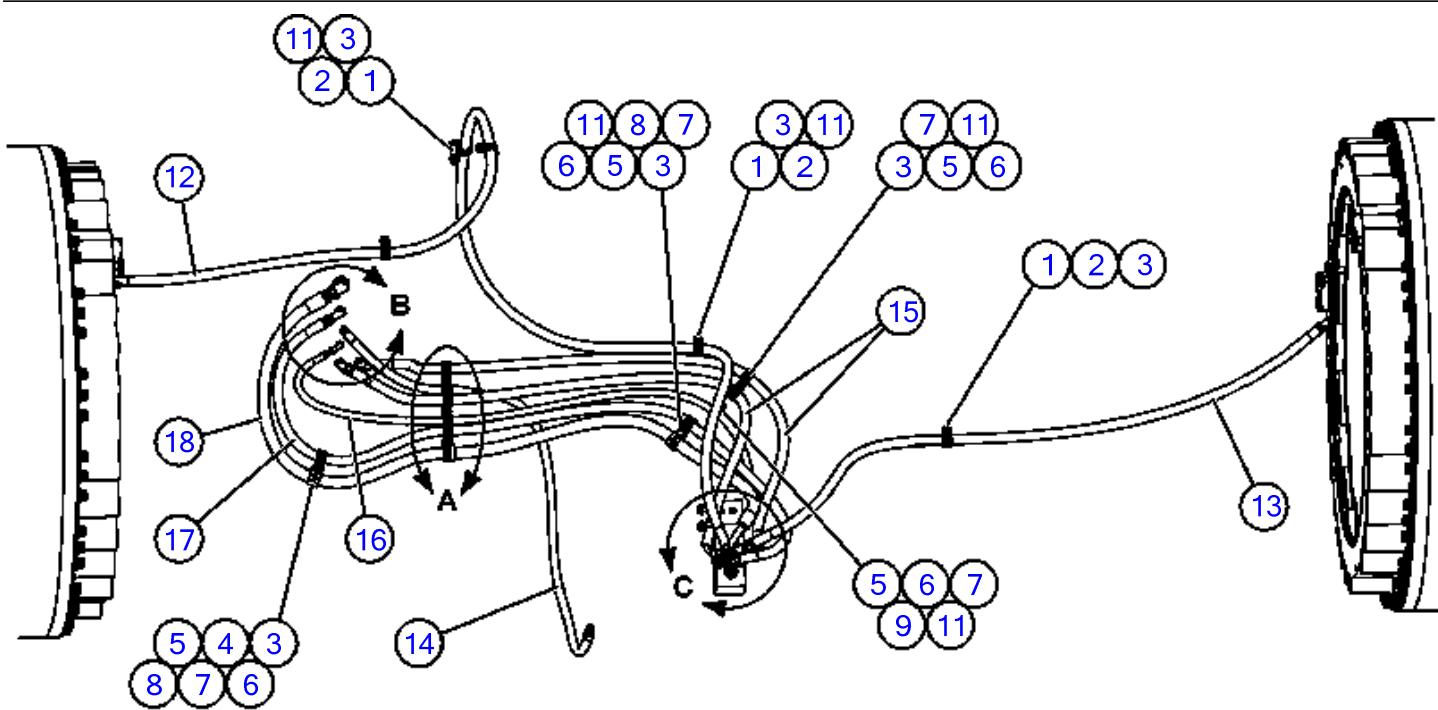
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AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

BRAKE APPLY PIPING 3/4

Item	Part No	Description	Qty
1	WB1308	CLAMP, CUSHIONED - 1 1/16"	2
2	WB3092	CLAMP, CUSHIONED - 7/8"	4
3	WB1300	CLAMP, CUSHIONED - 5/8"	2
4	HA7419	HOSE	1
5	HA7422	HOSE	1
6	HA7420	HOSE	1
7	HA7421	HOSE	1
8	WB0542	FITTING, ELBOW - 45 DEG	1
9	WB0537	FITTING, ELBOW - 45 DEG	2
10	WB0535	FITTING, ELBOW - 45 DEG	1
11	PB6528	COUPLING, DIAGNOSTIC	2
12	PB6041	CAP, DUST	2

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

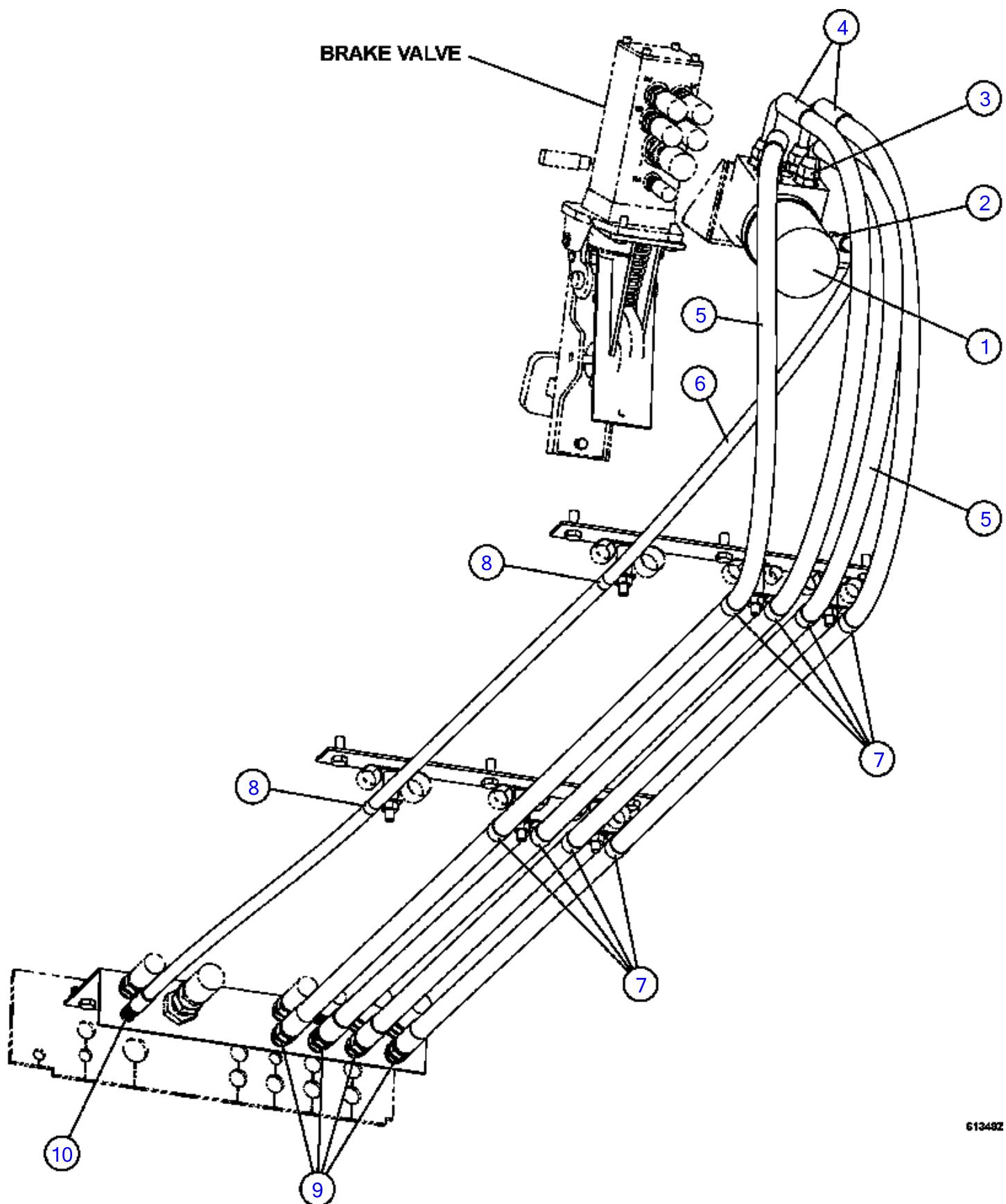


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

BRAKE APPLY PIPING 4/4

Item	Part No	Description	Qty	Page
1	WA0720	FLAT WASHER - 3/8" (HARDENED)	5	
2	HE5611	LOCKNUT - 3/8" - 16NC	5	
3	WB3093	CLAMP, CUSHIONED - 1"	12	
4	MM0047	CAPSCREW - M10 X 1.50 X 30	1	
5	MM0461	FLAT WASHER - M10	7	
6	MM0471	LOCKWASHER - M10	7	
7	MM0693	LOCKNUT - M10 X 1.50	7	
8	WB3096	CLAMP, CUSHIONED - 1 1/4"	3	
9	WB1303	CLAMP, CUSHIONED - 3/4"	2	
10	WB3092	CLAMP, CUSHIONED - 7/8"	1	
11	TY8375	SPACER	5	
12	HA7410	HOSE	1	
13	HA8486	HOSE	1	
14	HA7165	HOSE	1	
15	HA5566	HOSE	2	
16	HA7038	HOSE	1	
17	HA7411	HOSE	1	
18	HA7412	HOSE	1	
19	WB0581	FITTING, STRAIGHT	1	
20	WB0508	FITTING, ELBOW - 90 DEG	3	
21	WB0499	FITTING, ELBOW - 90 DEG	1	
22	WB0516	FITTING, ELBOW - 90 DEG	1	
23	PC1531	DUAL RELAY VALVE (SEE INDEX)	1	
24	VC6561	CAPSCREW - 1/2" - 13NC X 1 1/2"	2	
25	TR6008	FLAT WASHER - 1/2"	2	
26	VM0314	PLUG	1	
27	WB0574	FITTING, STRAIGHT	1	
28	WB0593	FITTING, STRAIGHT	1	
29	WB0584	FITTING, STRAIGHT	2	
30	WB0585	FITTING, STRAIGHT	1	
31	WB0384	FITTING, TEE	2	
32	WB0375	FITTING, ELBOW - 90 DEG	1	
				530

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



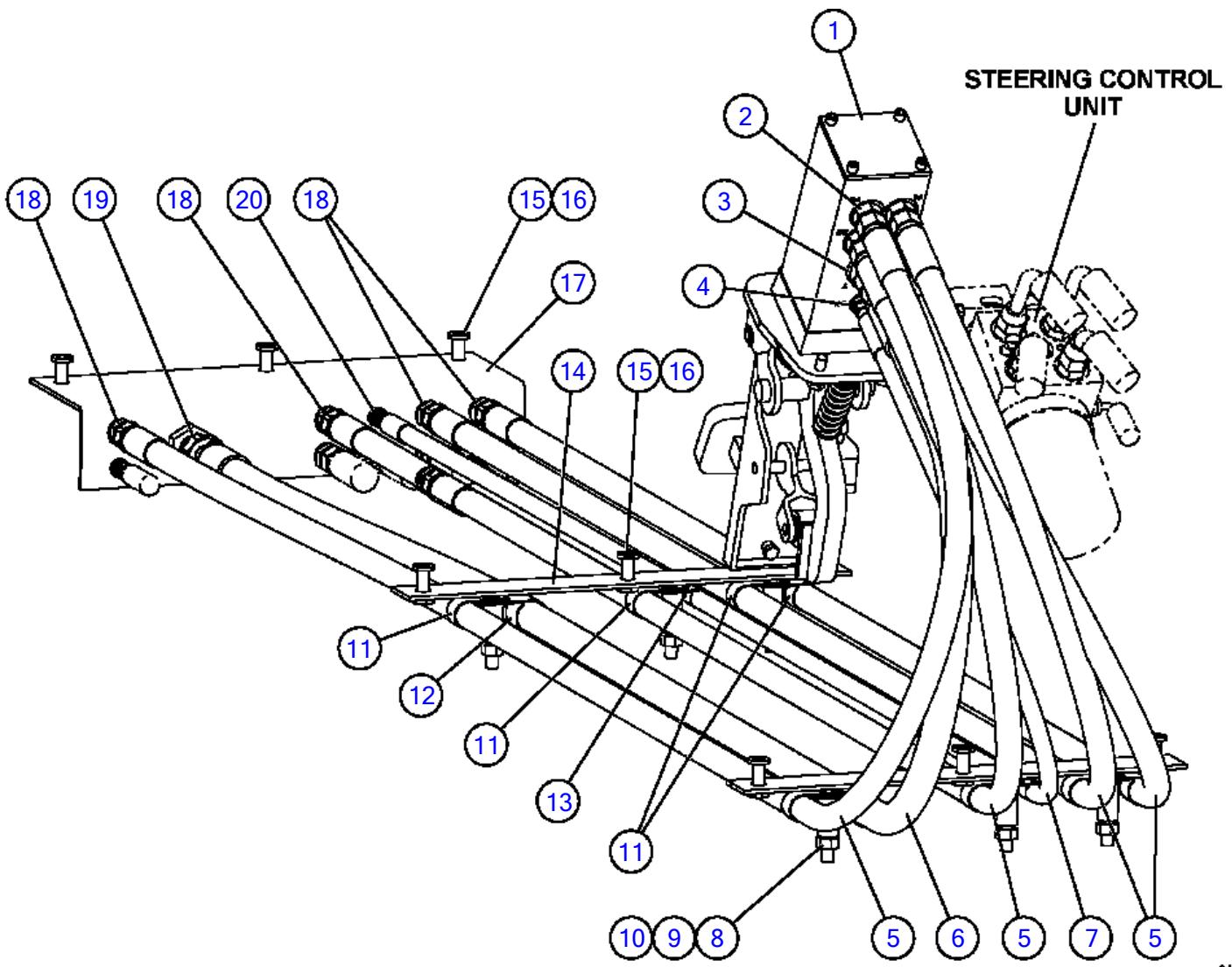
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### STEERING CONTROL UNIT PIPING

Item	Part No	Description	Qty	Page
1	PB9881	STEERING CONTROL UNIT (SEE INDEX)	1	134
2	WB0574	FITTING, STRAIGHT	1	
3	WB0584	FITTING, STRAIGHT	4	
4	HA7382	HOSE	2	
5	HA5569	HOSE	2	
6	HA7358	HOSE	1	
7	TG2568	CLAMP, VINYL - 7/8" I.D.	4	
8	TG2960	CLAMP, VINYL - 9/16" I.D.	2	
9	WB0430	FITTING, STRAIGHT	4	
10	WB0427	FITTING, STRAIGHT	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA



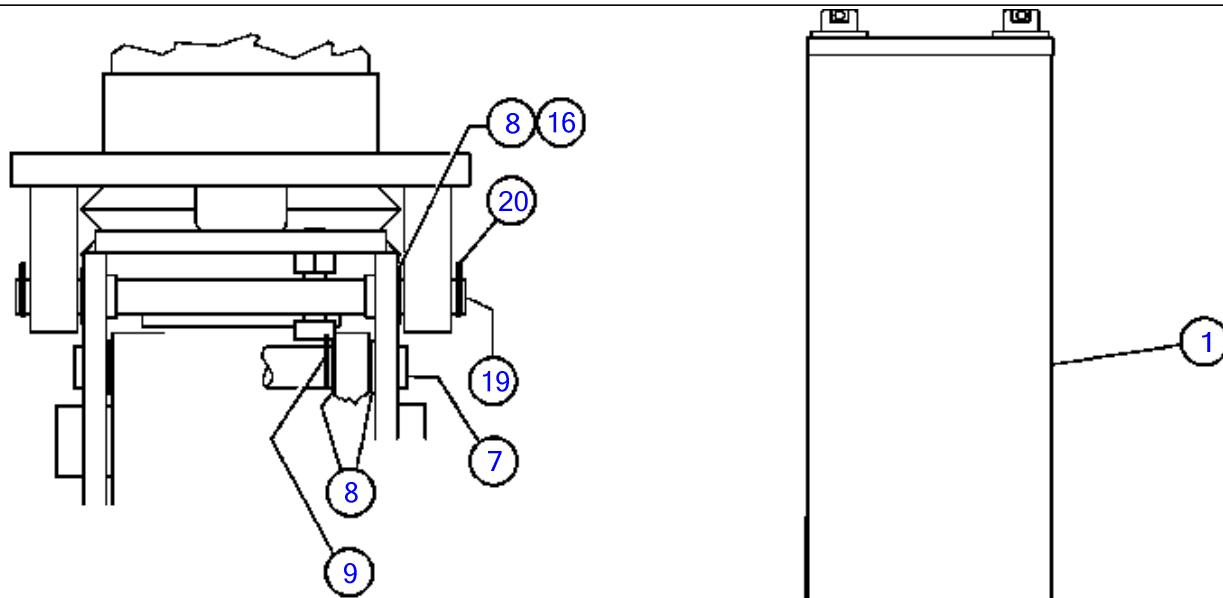
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 A31597 ANTAMINA

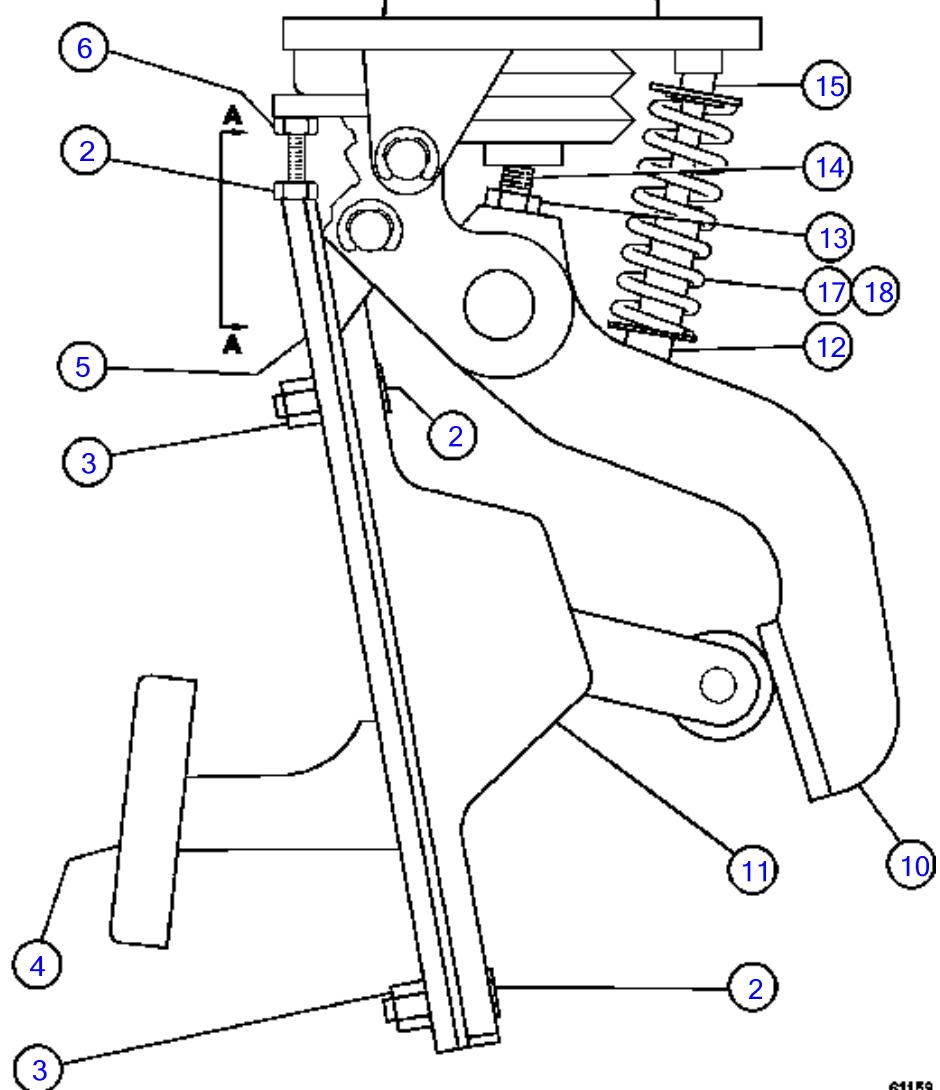
### BRAKE VALVE PIPING

Item	Part No	Description	Qty	Page
1	PC1955	BRAKE VALVE ASSEMBLY (SEE INDEX)	1	506
2	WB0584	FITTING, STRAIGHT	4	
3	WB0593	FITTING, STRAIGHT	1	
4	WB0574	FITTING, STRAIGHT	1	
5	HA7331	HOSE	4	
6	HA7389	HOSE	1	
7	HA7360	HOSE	1	
8	TY8375	SPACER	6	
9	MM0461	FLAT WASHER - M10	6	
10	MM0178	NUT - M10 X 1.50	6	
11	TG2568	CLAMP, VINYL - 7/8" I.D.	8	
12	VN9913	CLAMP, VINYL - 1 1/16" I.D.	2	
13	TG2960	CLAMP, VINYL - 9/16" I.D.	2	
14	EF8174	BRACKET, CLAMP	2	
15	MM0605	CAPSCREW - M10 X 1.50 X 25	9	
16	MM0471	LOCKWASHER - M10	9	
17	EF8177	BRACKET	1	
18	WB0430	FITTING, STRAIGHT	4	
19	WB0432	FITTING, STRAIGHT	1	
20	WB0427	FITTING, STRAIGHT	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



**VIEW A - A**

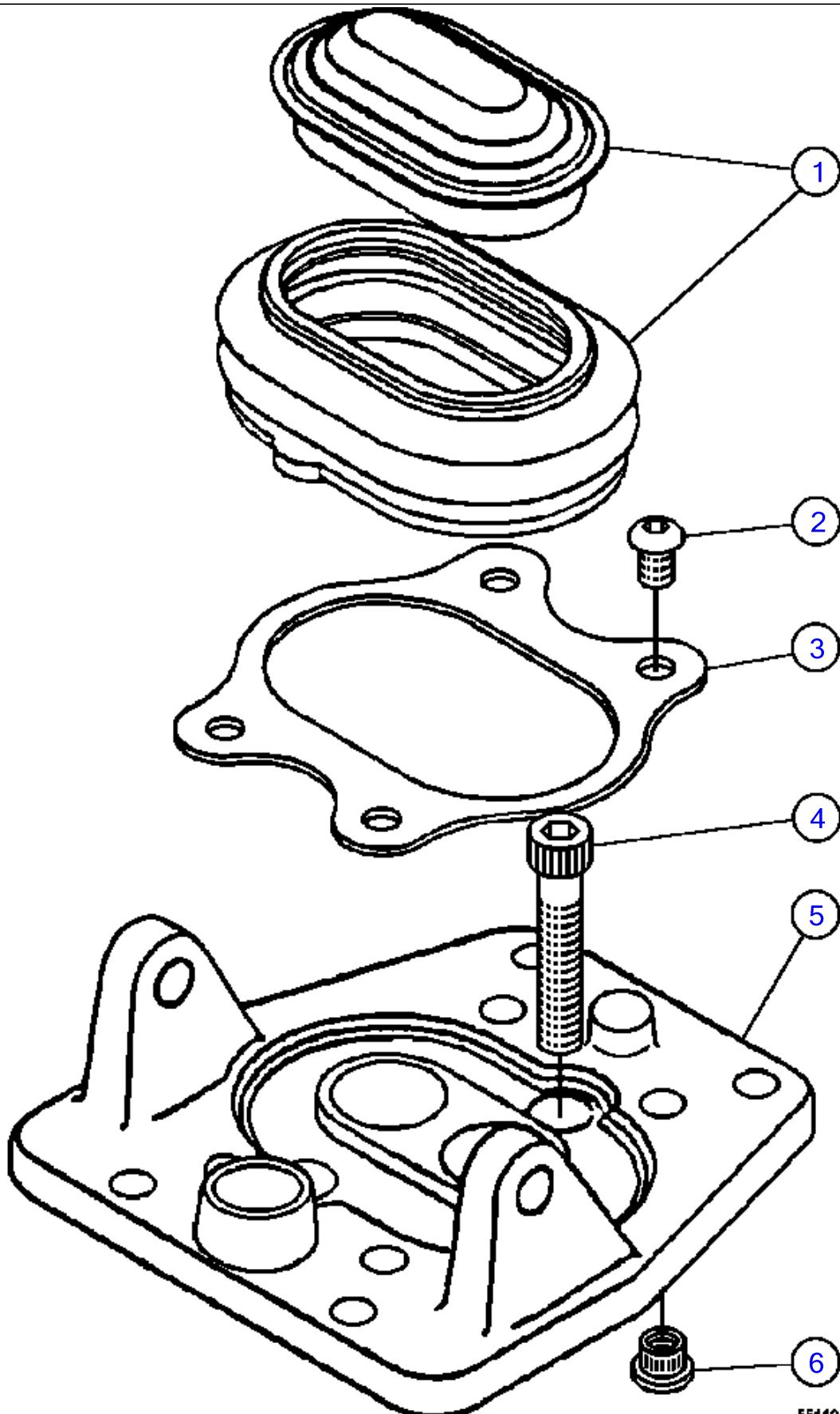


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 A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**RETARD/BRAKE VALVE ASSEMBLY PC1955**

Item	Part No	Description	Qty	uom	Page
1	XA2704	VALVE SUB-ASSEMBLY (SEE INDEX)	1		508
2	BF2584	CAPSCREW	3		
3	BF2588	NUT	2		
4	BF2582	FOOT PAD, RUBBER	1		
5	BF2587	PEDAL ASSEMBLY (ACTUATOR)	1		
6	BF2585	NUT	1		
7	XA3393	PIN, PEDAL	1		
8	BF1858	BEARING, FLANGED (NYLON)	6		
9	VE8835	RING, RETAINING	2		
10	XA3392	PEDAL ASSEMBLY	1		
11	XA3394	PEDAL ASSEMBLY (ELECTRONIC)	1		
12		STOP, BOTTOM PIVOT (1)	1		
13	VE8538	NUT	1		
14	BF1854	BOLT	1		
15		STOP, TOP PIVOT (1)	1		
16	BF1857	SHIM		AS REQUIRED	
17		SPRING, INNER (1)	1		
18		SPRING, OUTER (1)	1		
19	XA3389	PIN, ACTUATOR	1		
20	XA3395	RING, RETAINING	2		
NS	XA3458	NOTE: (1) INCLUDED IN XA3458 DUAL SPRING KIT.			

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

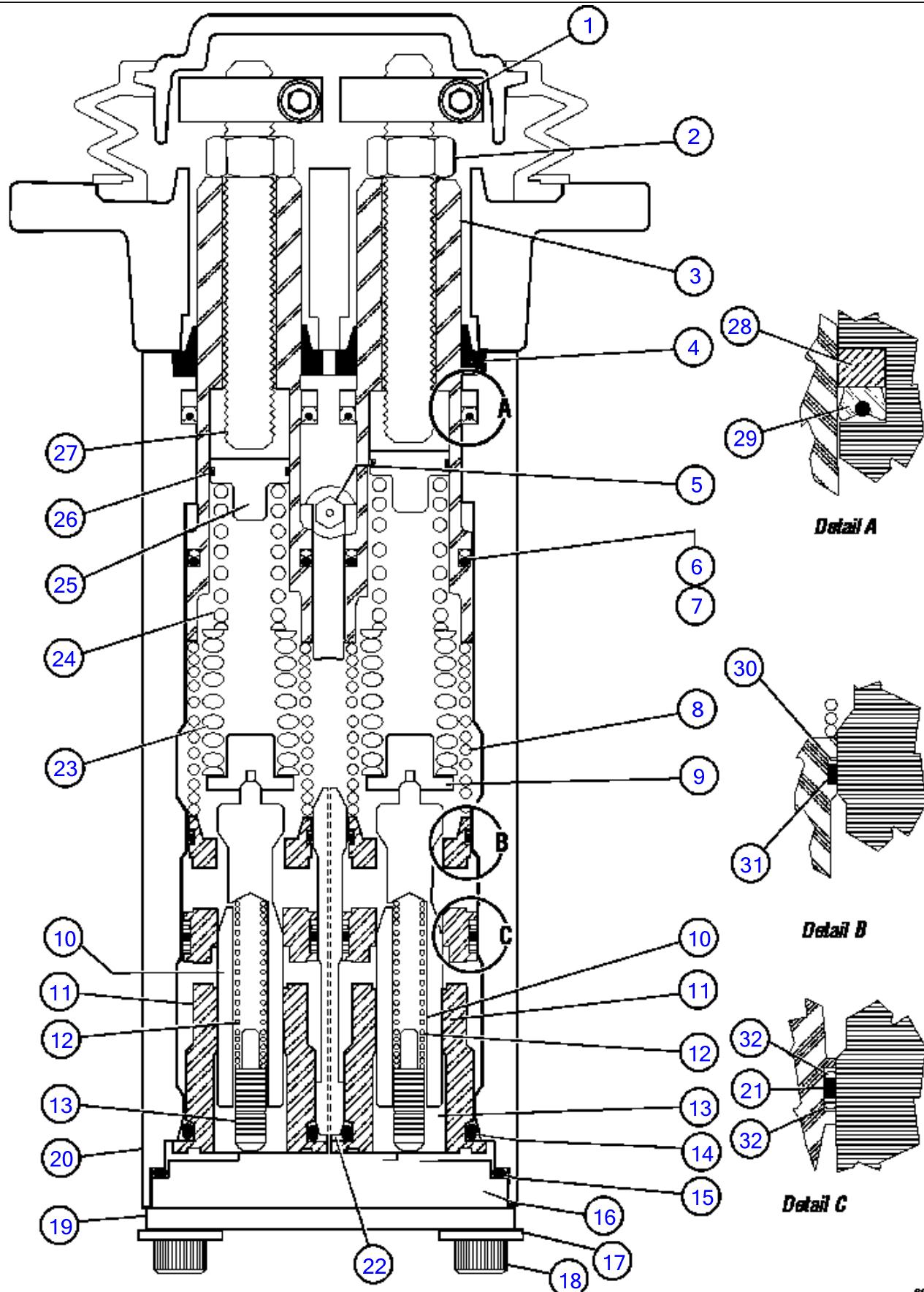


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
 A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**BRAKE VALVE SUB-ASSEMBLY 1/2 XA2704**

Item	Part No	Description	Qty
1	VE9420	BOOT/CAP ASSEMBLY	1
	VE9411	• BOOT (1) • CAP (2)	1
2	VE8544	SCREW	4
3	VE8545	PLATE, RETAINER	1
4	VE8546	SCREW	2
5	VE9419	BASE, ACTUATOR	1
6	VE8547	INSERT	4
NS	VE8530	NOTE: (1) INCLUDED IN VE8530 BOOT KIT. (2) NOT SERVICED SEPARATELY.	
NS			

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA

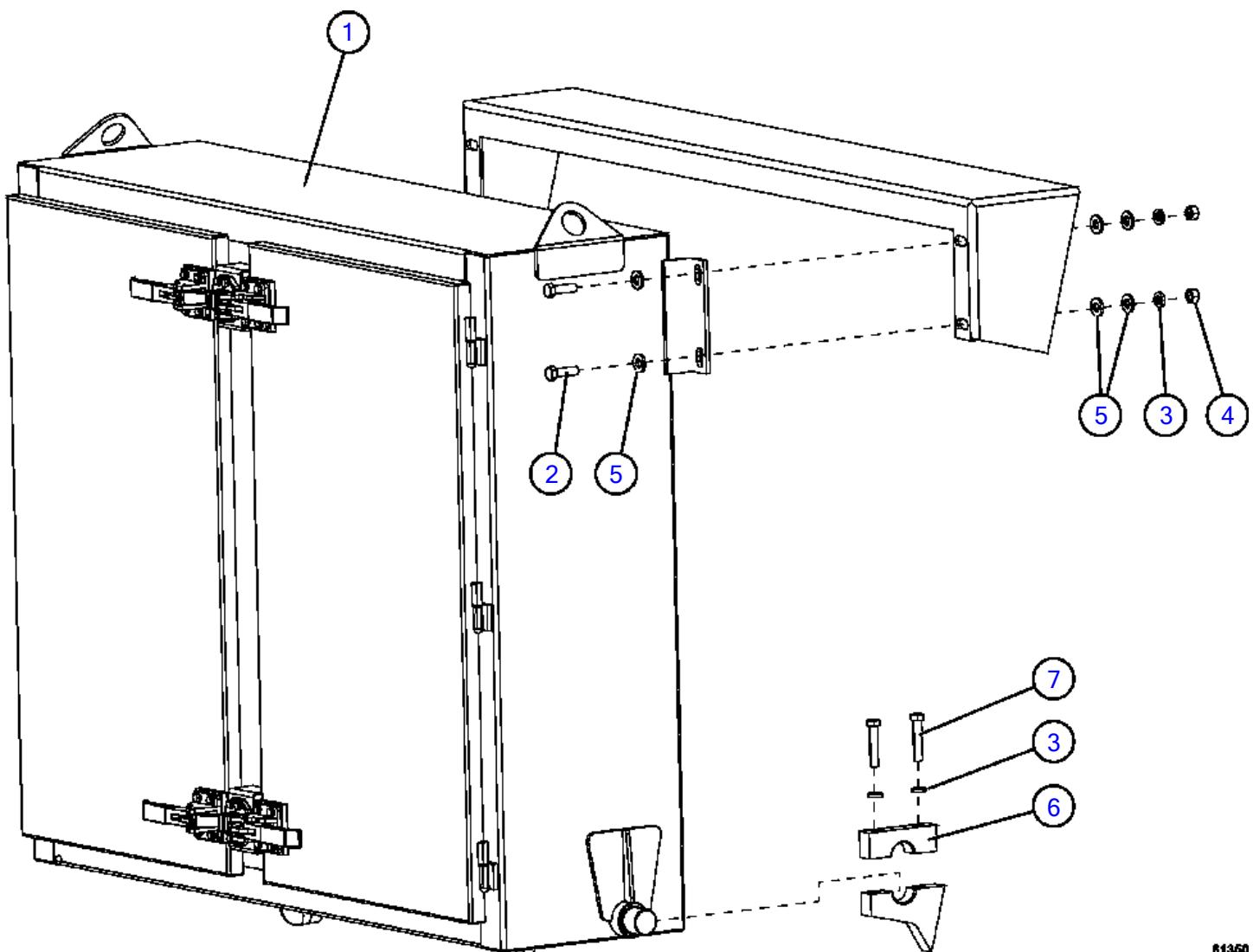


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
 A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

BRAKE VALVE SUB-ASSEMBLY 2/2 XA2704

Item	Part No	Description	Qty
1	VE8070	COLLAR	2
2	BF2596	NUT	2
3	BF2594	PLUNGER	2
4		SEAL, WIPER (1)	2
5	VE8533	SCREW	1
6	BF2595	PACKING	6
7	BF2598	RING, GLYD	2
8	VE9403	SPRING, PLUNGER RETURN (1)/(2)	2
9	BF2597	SEAT, SPRING (2)	2
10	EF5752	SPOOL, REGULATING	2
11		SLEEVE (1)	2
12	VE9401	SPRING, SPOOL (1)/(2)	2
13		PLUNGER (1)	2
14		SEAL (1)	2
15		PACKING (1)	1
16	VE9418	PLUG	1
17	C1546	FLAT WASHER - 1/4"	4
18		CAPSCREW (1)	4
19	VE9421	RETAINER, SLEEVE	1
20		BODY	1
21		SEAL (1)	2
22	EF3449	PLUG, ORIFICE - .045	1
23	VE8080	SPRING, REGULATOR (2)	2
24	BF2599	SPRING, REGULATOR (2)	2
25	BF2593	SEAT - STAGING (2)	2
26	BF2592	PACKING	2
27	BF2591	STUD	2
28		RING, BACKUP (1)	2
29		SEAL (1)	2
30		RING, BACKUP (1)	2
31	WA0019	O-RING	2
32		RING, BACKUP (1)	2
NS		NOTE: (1) NOT SERVICED SEPARATELY.	4
NS	AK5063	(2) INCLUDED IN AK5063 SPRING KIT.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



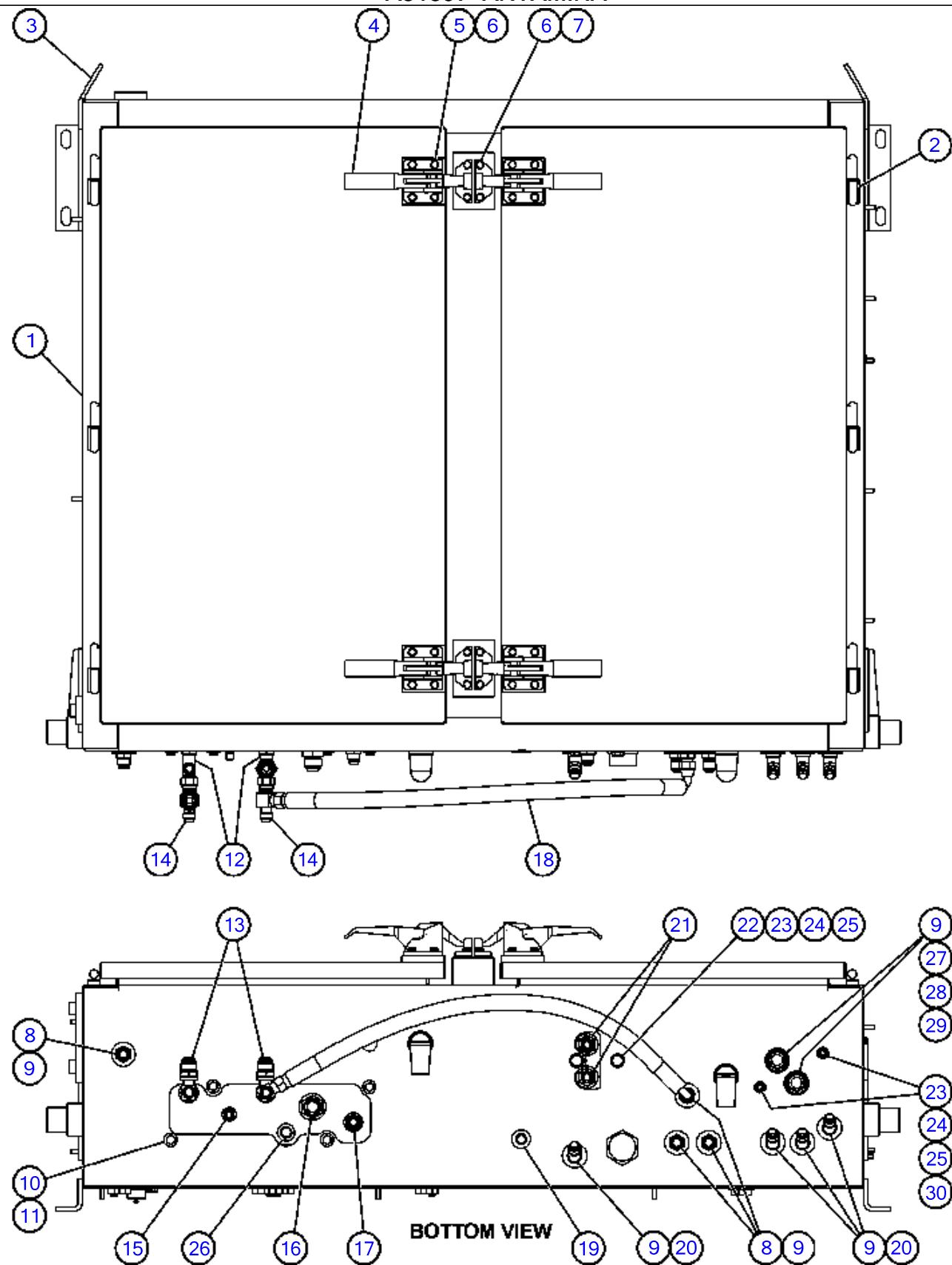
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### HYDRAULIC BRAKE CABINET MOUNTING

Item	Part No	Description	Qty	Page
1		HYDRAULIC BRAKE CABINET ASSEMBLY (1) (SEE FIG 60973)	1	514
2	MM0620	CAPSCREW - M12 X 1.75 X 40	4	
3	MM0472	LOCKWASHER - M12	8	
4	MM0179	NUT - M12 X 1.75	4	
5	MM0714	FLAT WASHER - M12 (HARDENED)	12	
6	SM2014	CAP	2	
7	MM0623	CAPSCREW - M12 X 1.75 X 60	4	
NS		NOTE: (1) NOT SERVICED AS AN ASSEMBLY. ORDER INDIVIDUAL COMPONENT PARTS.		
NS				

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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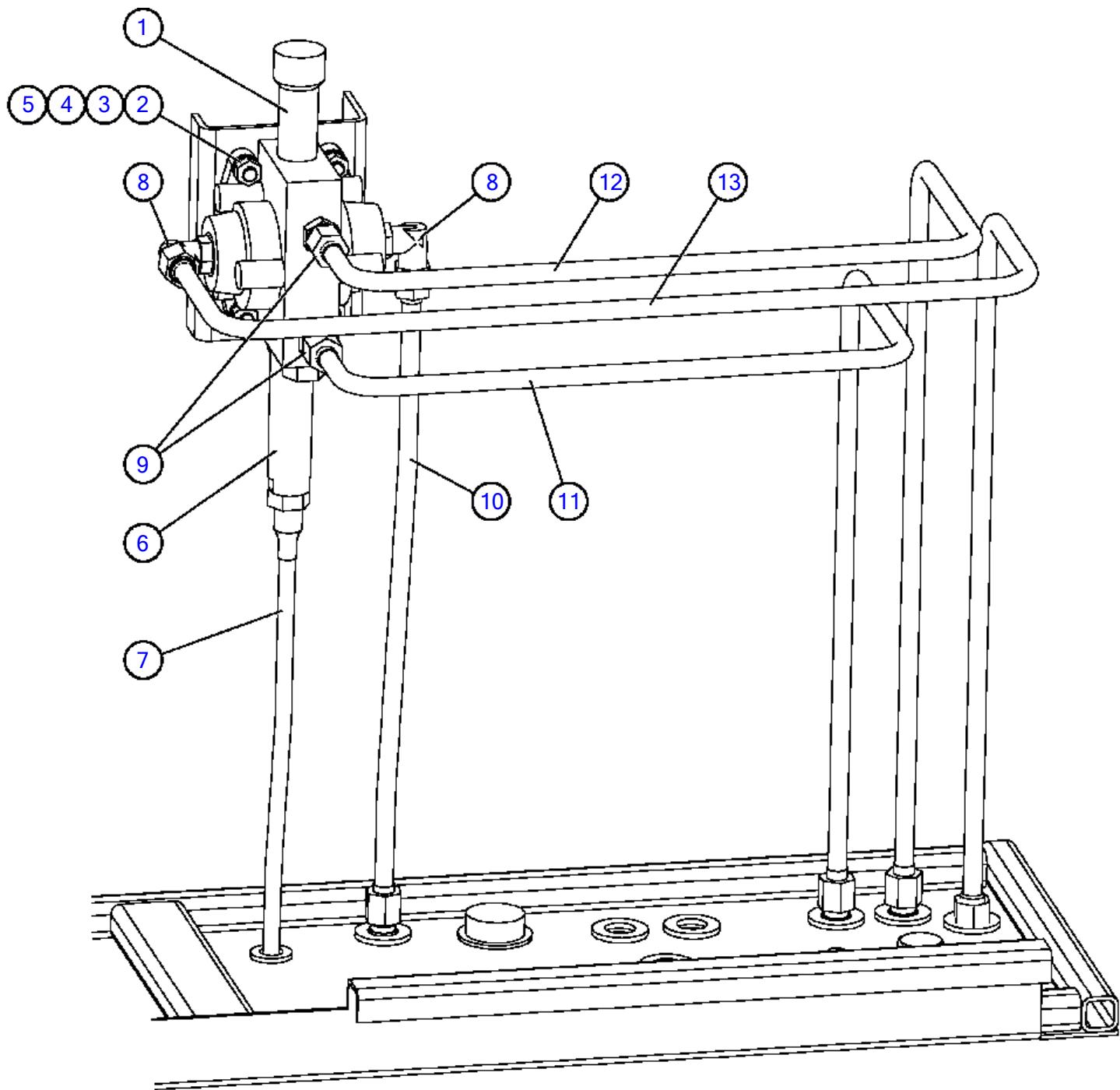


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## HYDRAULIC BRAKE CABINET ASSEMBLY

Item	Part No	Description	Qty
1	EM1495	CABINET, BRAKE	1
	BF5207	• SEAL	1
2	PB7207	• HINGE (WELD-ON)	6
3	EH0944	• EYE, LIFTING (WELD-ON)	2
4	PB1006	• LATCH/KEEPER SET	4
5	MM0581	• CAPSCREW - M6 X 1.00 X 16	16
6	MM0469	• LOCKWASHER - M6	24
7	MM0583	• CAPSCREW - M6 X 1.00 X 25	8
8	WB0430	FITTING, STRAIGHT	4
9	TF2449	FLAT WASHER - 3/4"	20
10	C1601	CAPSCREW - 3/8" - 16NC X 3/4"	4
11	DF3042	FLAT WASHER - 3/8"	4
12	WB0557	FITTING, TEE	2
13	WB1201	FITTING, STRAIGHT	2
14	WB0384	FITTING, TEE	2
15	WB0574	FITTING, STRAIGHT	1
16	WB0593	FITTING, STRAIGHT	1
17	WB0584	FITTING, STRAIGHT	1
18	HA7755	HOSE	1
19	SG2103	GROMMET, RUBBER	1
20	WB0249	FITTING, ELBOW - 45 DEG	4
21	WB0585	FITTING, STRAIGHT	2
22	SR6301	CAPSCREW - 1/4" - 20NC X 2 3/4"	2
23	VN9773	FLAT WASHER - 1/4"	6
24	C5774	LOCKWASHER - 1/4"	4
25	C5780	NUT - 1/4" - 20NC	4
26	WB0581	FITTING, STRAIGHT	1
27	D0312	CAPSCREW - 3/4" - 10NC X 1 1/4"	2
28	TR4735	LOCKWASHER - 3/4"	2
29	TR8960	NUT - 3/4" - 10NC	2
30	H8136	CAPSCREW - 1/4" - 20NC X 1/2"	2
		(BRAKE CABINET ASSEMBLY NOT SERVICED AS AN ASSEMBLY. ORDER INDIVIDUAL COMPONENT PARTS.)	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



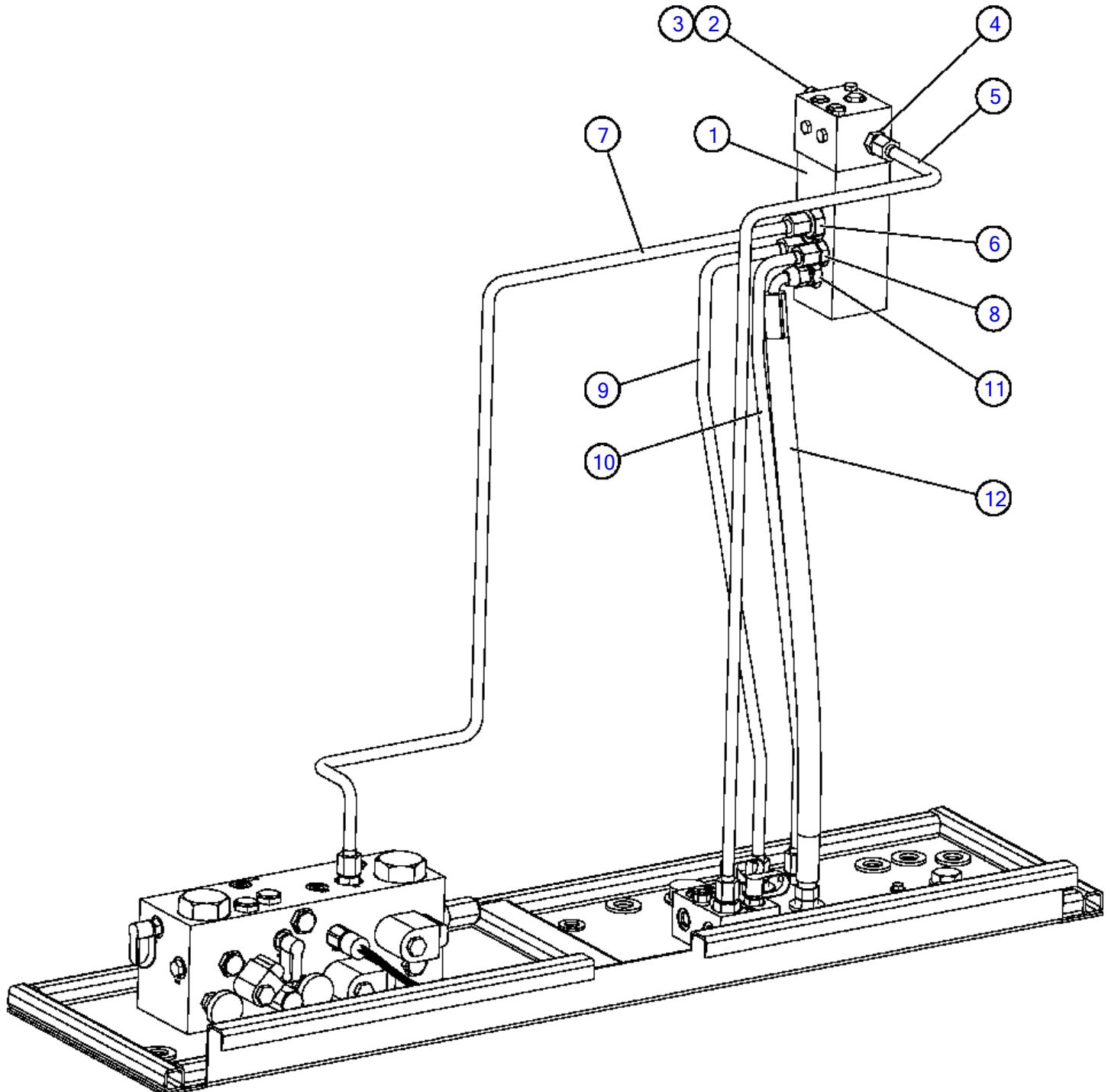
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### HOIST PILOT VALVE PIPING

Item	Part No	Description	Qty	Page
1	PB6922	HOIST PILOT VALVE (SEE INDEX)	1	528
2	MM0056	CAPSCREW - M10 X 1.50 X 40	4	
3	MM0461	FLAT WASHER - M10	4	
4	MM0471	LOCKWASHER - M10	4	
5	MM0178	NUT - M10 X 1.50	4	
6	PB6895	CONNECTION KIT	1	
7	PC1898	CABLE ASSEMBLY	1	
8	WB0508	FITTING, ELBOW - 90 DEG	2	
9	WB0584	FITTING, STRAIGHT	2	
10	EG0607	TUBE	1	
11	EH8955	TUBE	1	
12	EH8954	TUBE	1	
13	EC6228	TUBE	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



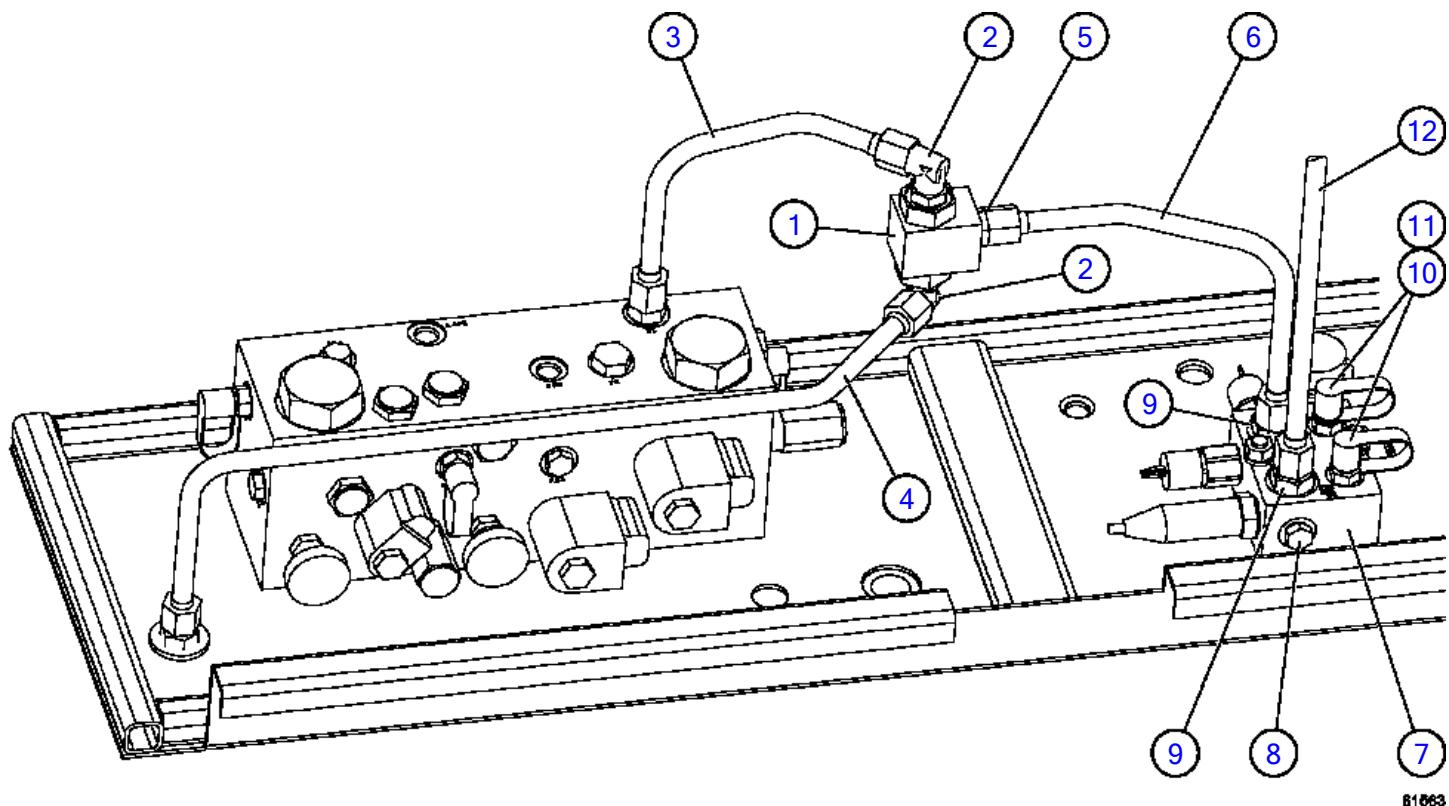
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 A31597 ANTAMINA

### DUAL RELAY VALVE PIPING

Item	Part No	Description	Qty	Page
1	PC1531	DUAL RELAY VALVE (SEE INDEX)	1	530
2	SR6320	CAPSCREW - 1/2" - 13NC X 7/8"	2	
3	DD5640	FLAT WASHER - 1/2"	2	
4	WB1024	FITTING, STRAIGHT	1	
5	EG0603	TUBE	1	
6	WB0586	FITTING, STRAIGHT	1	
7	EG0601	TUBE	1	
8	WB0584	FITTING, STRAIGHT	2	
9	EG0605	TUBE	1	
10	EG0604	TUBE	1	
11	WB0585	FITTING, STRAIGHT	1	
12	HA7755	HOSE	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

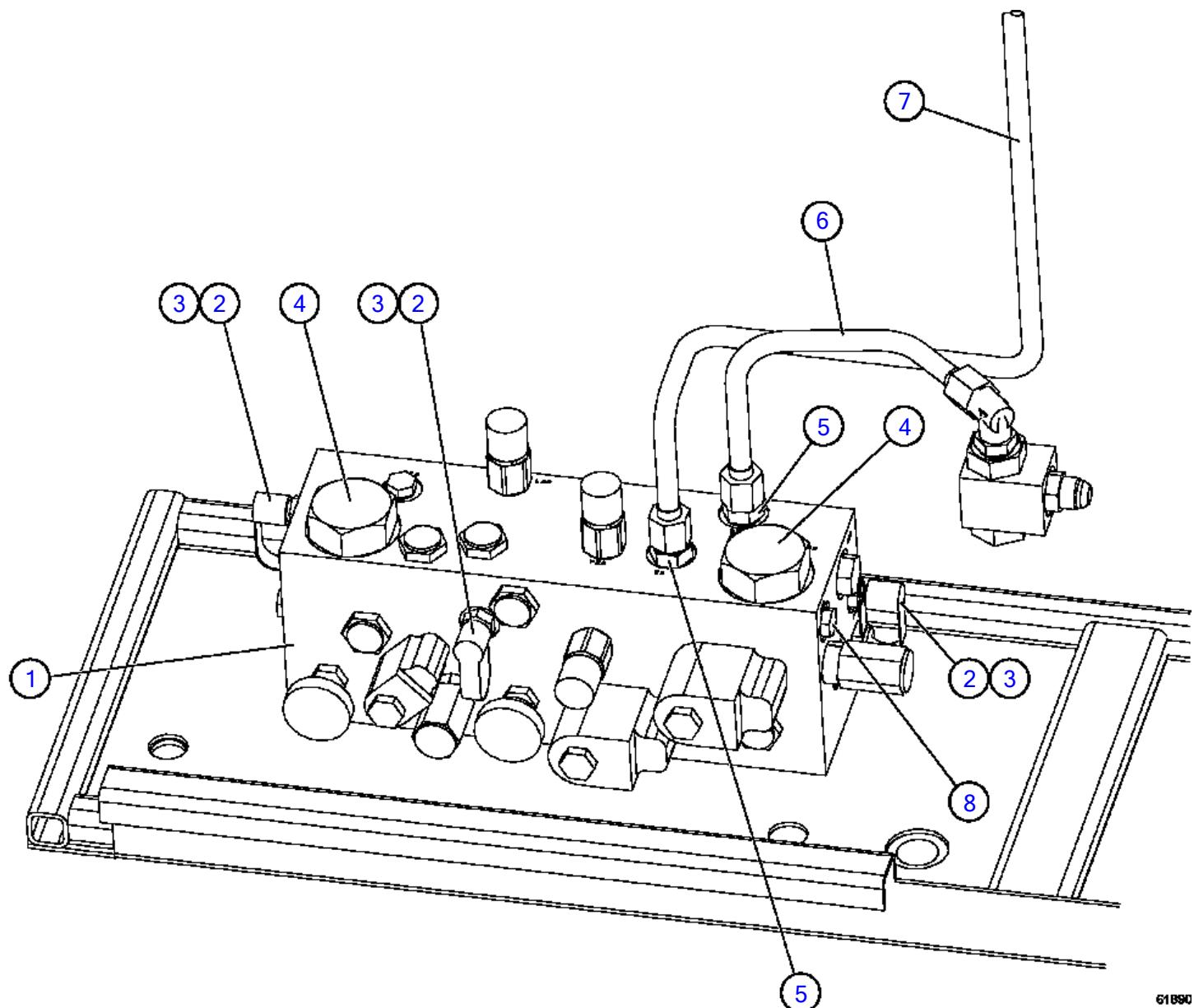


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 A31597 ANTAMINA

### SHUTTLE VALVE & JUNCTION BLOCK PIPING

Item	Part No	Description	Qty
1	PB6803	SHUTTLE VALVE	1
2	WB0508	FITTING, ELBOW - 90 DEG	2
3	EF8197	TUBE	1
4	TY9260	TUBE	1
5	WB0584	FITTING, STRAIGHT	1
6	EF8198	TUBE	1
7	TY7550	JUNCTION BLOCK	1
8	VM0314	PLUG	1
9	WB0585	FITTING, STRAIGHT	2
10	PB6528	COUPLING, DIAGNOSTIC	2
11	PB6041	CAP, DUST	2
12	EG0603	TUBE	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



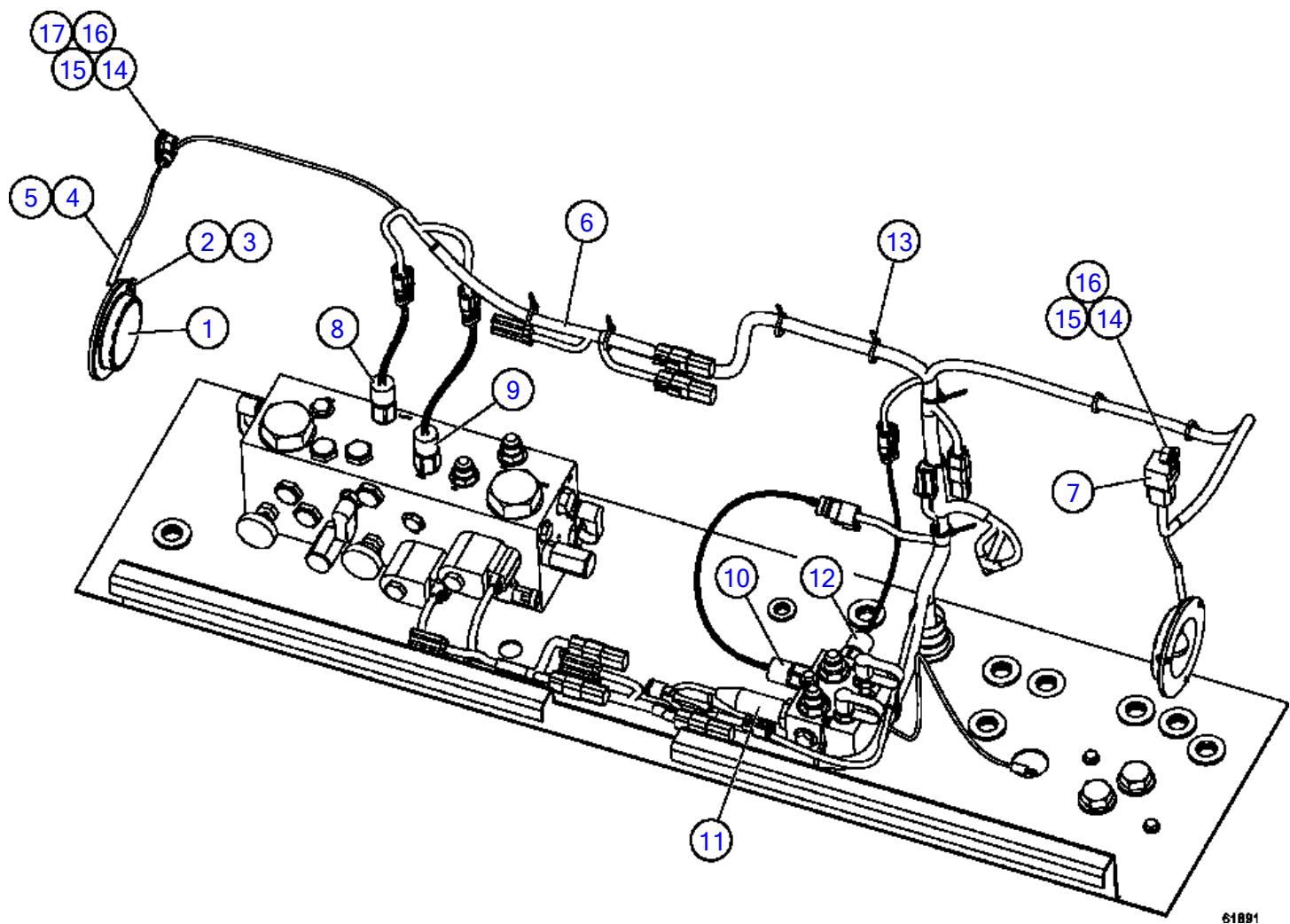
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 A31597 ANTAMINA

### BRAKE MANIFOLD PIPING

Item	Part No	Description	Qty	Page
1	PC2513	BRAKE MANIFOLD (SEE INDEX)	1	526
2	PB6528	COUPLING, DIAGNOSTIC	3	
3	PB6041	CAP, DUST	3	
4	VM0320	PLUG	2	
5	WB0584	FITTING, STRAIGHT	2	
6	EF8197	TUBE	1	
7	EG0601	TUBE	1	
8	VM0314	PLUG	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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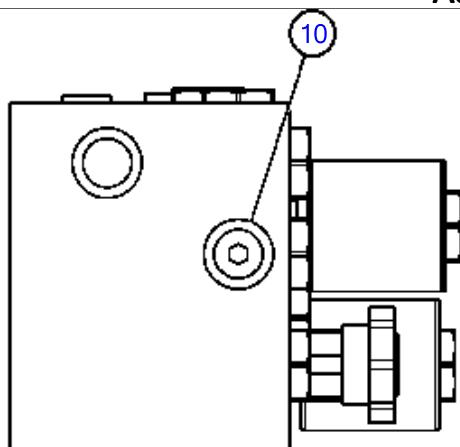


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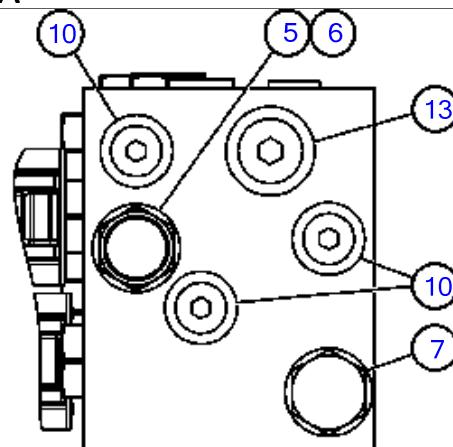
### HYDRAULIC BRAKE CABINET INTERNAL WIRING

Item	Part No	Description	Qty	uom
1	VS0035	LIGHT, DOME	2	
	SR6747	• BULB	2	
	TM9090	• INSULATOR	2	
2	VF2231	MACHINE SCREW - #10 - 24NC X 3/8"	6	
3	DC3101	LOCKWASHER - #10	6	
4	SF9896	KNIFE, DISCONNECT	2	
5	DL4172	SLEEVE, INSULATING	2	
6	EM8302 421-06-11970	HARNESS, HYDRAULIC BRAKE CABINET INTERNAL • DIODE - 3 AMP (DR1, DR2, DR4, DR5)	1 4	
7	PB4767	• RELAY (BWR)	1	
8	PC1558	SWITCH, PRESSURE	1	
9	PC1557	SWITCH, PRESSURE	1	
10	PC1677	SWITCH, PRESSURE	2	
11	PC1537	SENSOR, PRESSURE - 4000 PSI	1	
12	PC1678	SWITCH, PRESSURE	1	
13	VZ0598	TYRAP		AS REQUIRED
14	MM0461	FLAT WASHER - M10	2	
15	MM0471	LOCKWASHER - M10	2	
16	MM0719	NUT - M10 X 1.50	2	
17	WB1301	CLAMP, CUSHIONED - 1/4"	1	

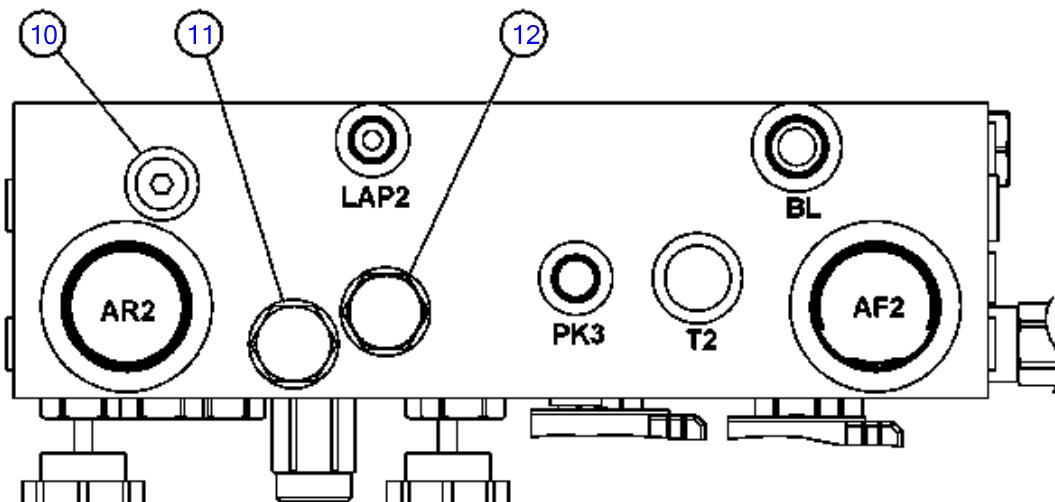
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A31597 ANTAMINA



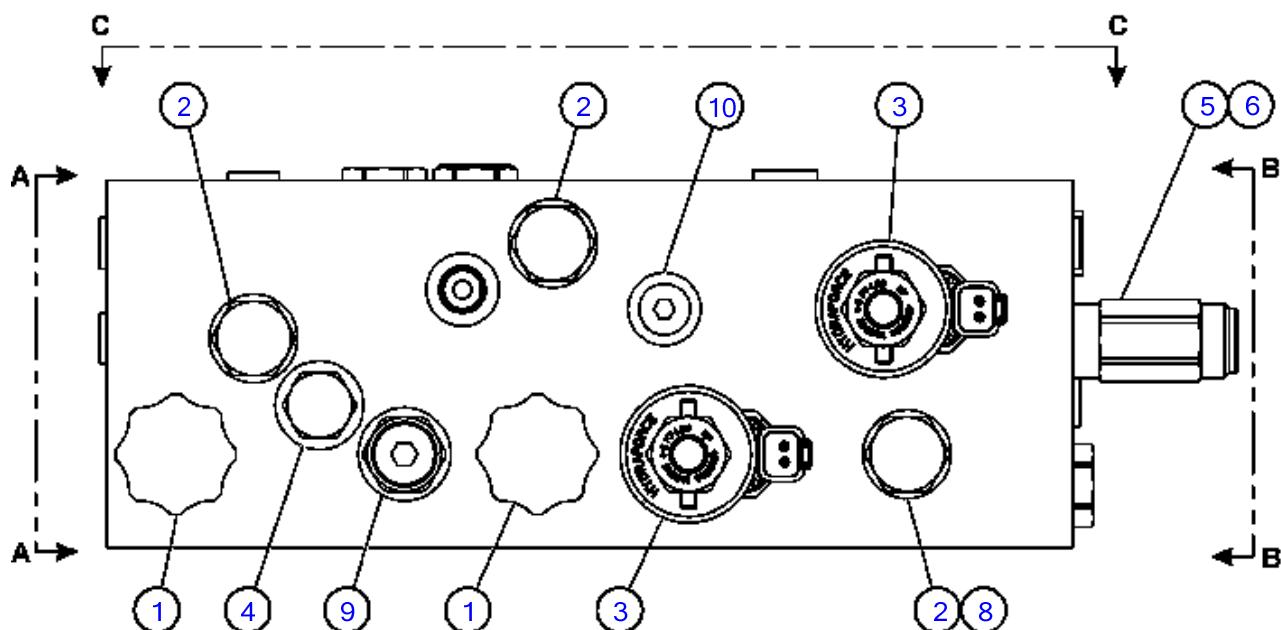
VIEW A - A



VIEW B - B



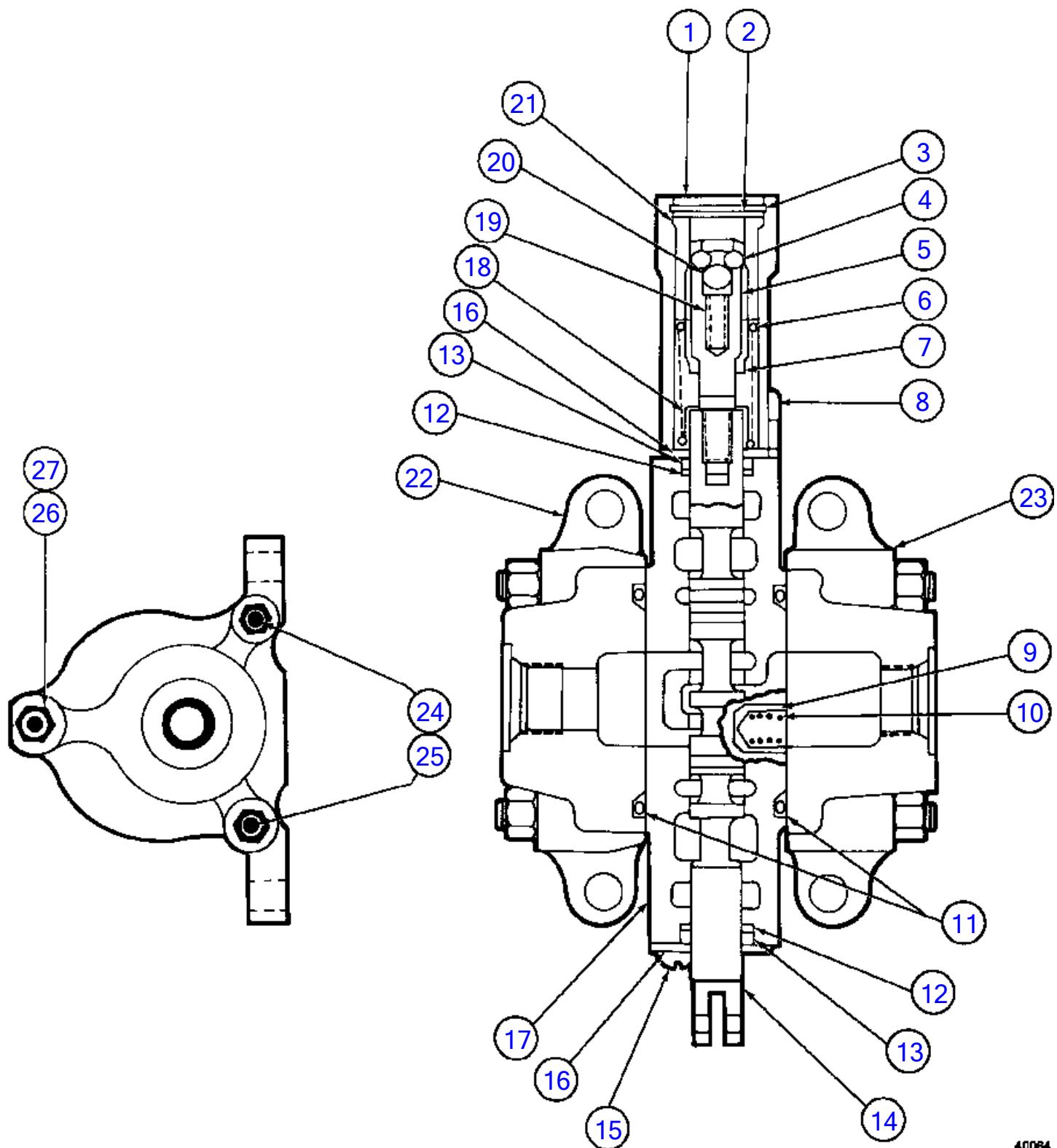
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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA**

**BRAKE MANIFOLD PC2513**

Item	Part No	Description	Qty
1	BF2839	VALVE, NEEDLE	2
	BF2864	• O-RING (1)	2
	BF2860	• O-RING (1)	2
	BF2863	• RING, BACKUP (1)	4
2	BF2840	VALVE, CHECK	3
	BF2860	• O-RING (2)	3
	BF2864	• O-RING (2)	3
	BF2865	• RING, BACKUP (2)	3
3	XA3347	VALVE, SOLENOID	2
4	BF2838	PLUG, CAVITY	1
		• O-RING (6)	1
5	XA4154	VALVE, PRESSURE REDUCING	1
	BF2860	• O-RING (4)	1
	BF2866	• O-RING (4)	1
	BF2864	• O-RING (4)	1
	BF2872	• RING, BACKUP (4)	1
	BF2863	• RING, BACKUP (4)	2
6	BF2851	DISC, ORIFICE	1
7	BF2845	PLUG, CAVITY	1
		• O-RING (3)	1
8	BF2850	DISC, ORIFICE	1
9	BF2841	VALVE, PILOT (AUTOMATIC APPLY)	1
	BF2860	• O-RING (5)	1
	BF2866	• O-RING (5)	1
	BF2867	• O-RING (5)	1
	BF2864	• O-RING (5)	1
	BF2865	• RING, BACKUP (5)	1
	BF2868	• RING, BACKUP (5)	2
	BF2869	• RING, BACKUP (5)	2
10	BF3260	PLUG, PORT	7
	TL3995	• O-RING	7
11	BF2846	CARTRIDGE, LOAD SHUTTLE	1
	BF2860	• O-RING (3)	1
	BF2866	• O-RING (3)	1
	BF2864	• O-RING (3)	1
	BF2863	• RING, BACKUP (3)	1
	BF2868	• RING, BACKUP (3)	2
12	BF2847	CARTRIDGE, HOT OIL	1
	BF2860	• O-RING (7)	1
	BF2864	• O-RING (7)	1
	BF2865	• RING, BACKUP (7)	2
13	BF3261	PLUG, PORT	2
	SV9812	• O-RING	2
NS	BF2853	NOTE: (1) INCLUDED IN BF2853 SEAL KIT.	
NS	BF2854	(2) INCLUDED IN BF2854 SEAL KIT.	
NS	BF2856	(3) INCLUDED IN BF2856 SEAL KIT.	
NS	BF2857	(4) INCLUDED IN BF2857 SEAL KIT.	
NS	BF2855	(5) INCLUDED IN BF2855 SEAL KIT.	
NS	BF2852	(6) INCLUDED IN BF2852 SEAL KIT.	
NS	BF2858	(7) INCLUDED IN BF2858 SEAL KIT.	



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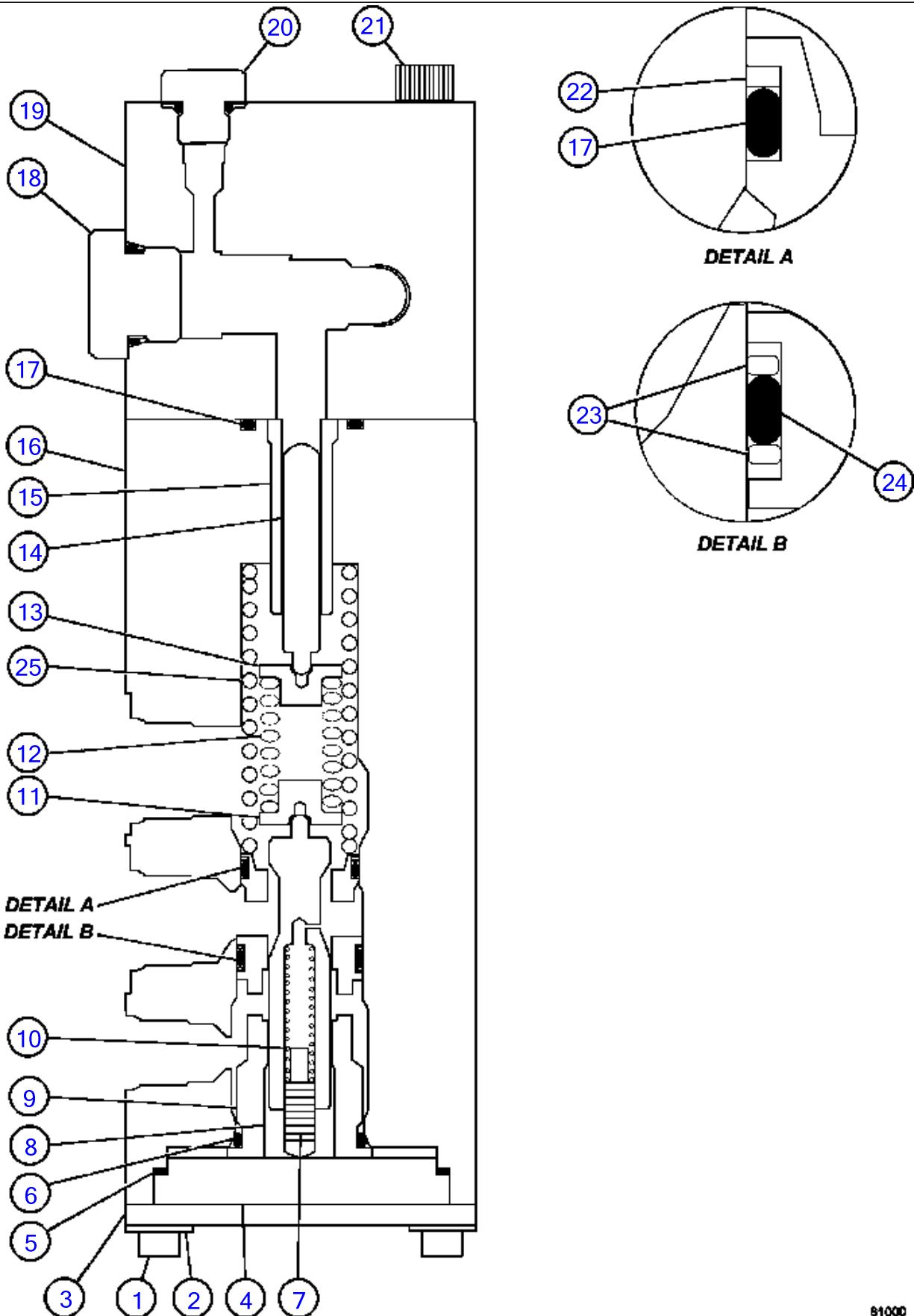
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## HOIST PILOT VALVE ASSEMBLY

PB6922

Item	Part No	Description	Qty
0	VE3828	SPOOLING SECTION ASSEMBLY	1
1	VJ1967	• CAP	1
2	VJ1962	• SPACER	1
3	VJ1975	• SNAP RING	1
4	VJ1972	• BALL	4
5	VJ1964	• PIN, DETENT	1
6	VJ1960	• SPRING	1
7	VE3823	• SPACER	1
8	VJ1957	• CAPSCREW	2
9	1130246C1	• POPPET, CHECK VALVE	1
10	VE3826	• SPRING	1
11	VE3819	• O-RING	2
12	VE3818	• O-RING	2
13	VJ1947	• WIPER	2
14	BF3536	• SPOOL	1
15	VJ0012	• MACHINE SCREW	2
16	VJ1943	• PLATE, SEAL	2
17	BF3535	• HOUSING, SPOOL	1
18	VJ1944	• SEAT, SPRING	2
19	890613C1	• SPRING	1
20	VJ1974	• BALL	1
21	VE3825	• SLEEVE, DETENT	1
22	VE3827	HOUSING, INLET	1
	876077C1	• O-RING	1
23	VE3829	HOUSING, OUTLET	1
24	VE3821	TIE ROD	2
25	VJ1934	NUT	4
26	VE3822	TIE ROD	1
27	VJ1933	NUT	2
NS		NOTE: NS = NOT SHOWN	
NS	VE3830	PLUG, SHUT-OFF	1
NS	VE3980	VALVE, RELIEF	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



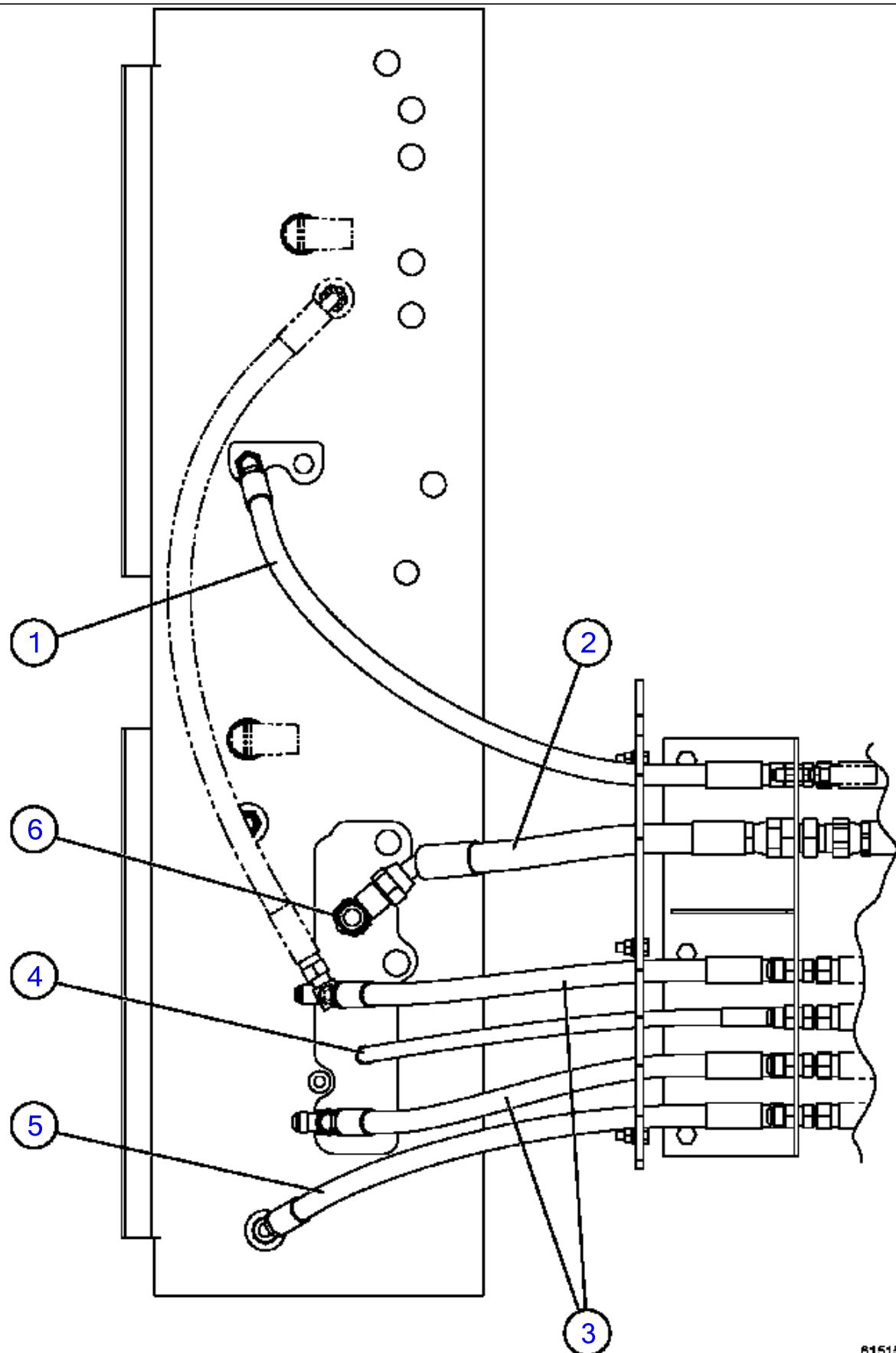
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

DUAL RELAY VALVE

PC1531

Item	Part No	Description	Qty
1		CAPSCREW (1)	4
2	C1546	FLAT WASHER - 1/4"	4
3	VE9421	RETAINER, SLEEVE	1
4	VE9418	PLUG	1
5		PACKING (1)/(4)	1
6		SEAL (1)/(4)	2
7		PLUNGER (1)/(2)	2
8	EF5752	SPOOL, REGULATING (2)	2
9		SLEEVE (1)/(2)	2
10		SPRING, SPOOL (1)/(3)	2
11	BF2597	SEAT, SPRING	2
12		SPRING, REGULATOR (1)/(3)	2
13	BF2597	SEAT, SPRING	2
14	BF2893	PLUNGER	2
15	BF2894	SLEEVE	2
16		BODY, VALVE (1)	1
17	WA0019	O-RING (4)	4
18	BF2896	PLUG - #8 SAE	2
19		BODY, MANIFOLD (1)	1
20	BF5637	PLUG - #4 SAE	2
21	BF5638	CAPSCREW, SOCKET HEAD	2
22		RING, BACKUP (1)/(4)	2
23		RING, BACKUP (1)/(4)	4
24		SEAL (1)/(4)	2
25	BF3557	SPRING (3)	2
NS		NOTE: (1) NOT SERVICED SEPARATELY.	
NS	BF3858	(2) INCLUDED IN BF3858 SPOOL/SLEEVE KIT.	
NS	BF3859	(3) INCLUDED IN BF3859 SPRING KIT.	
NS	BF3860	(4) INCLUDED IN BF3860 SEAL KIT.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



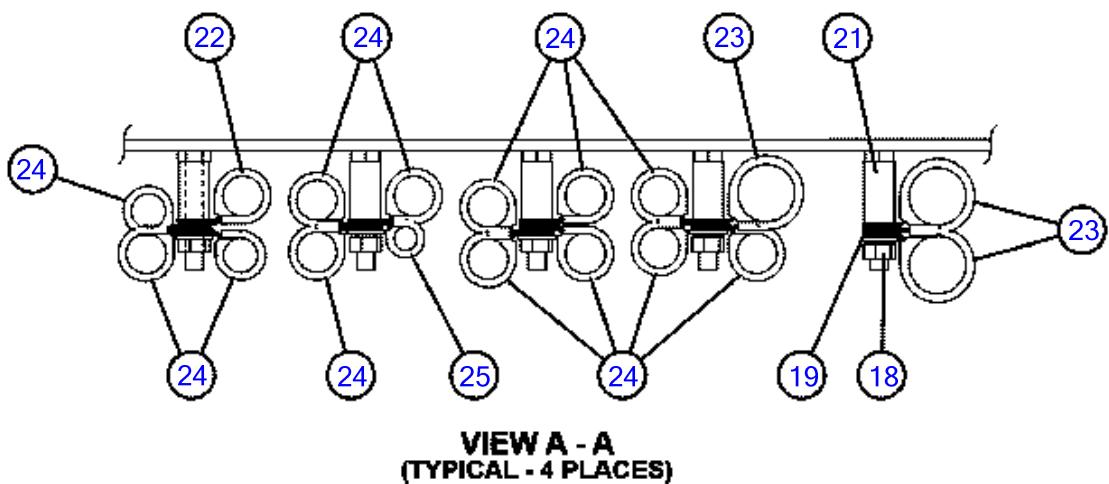
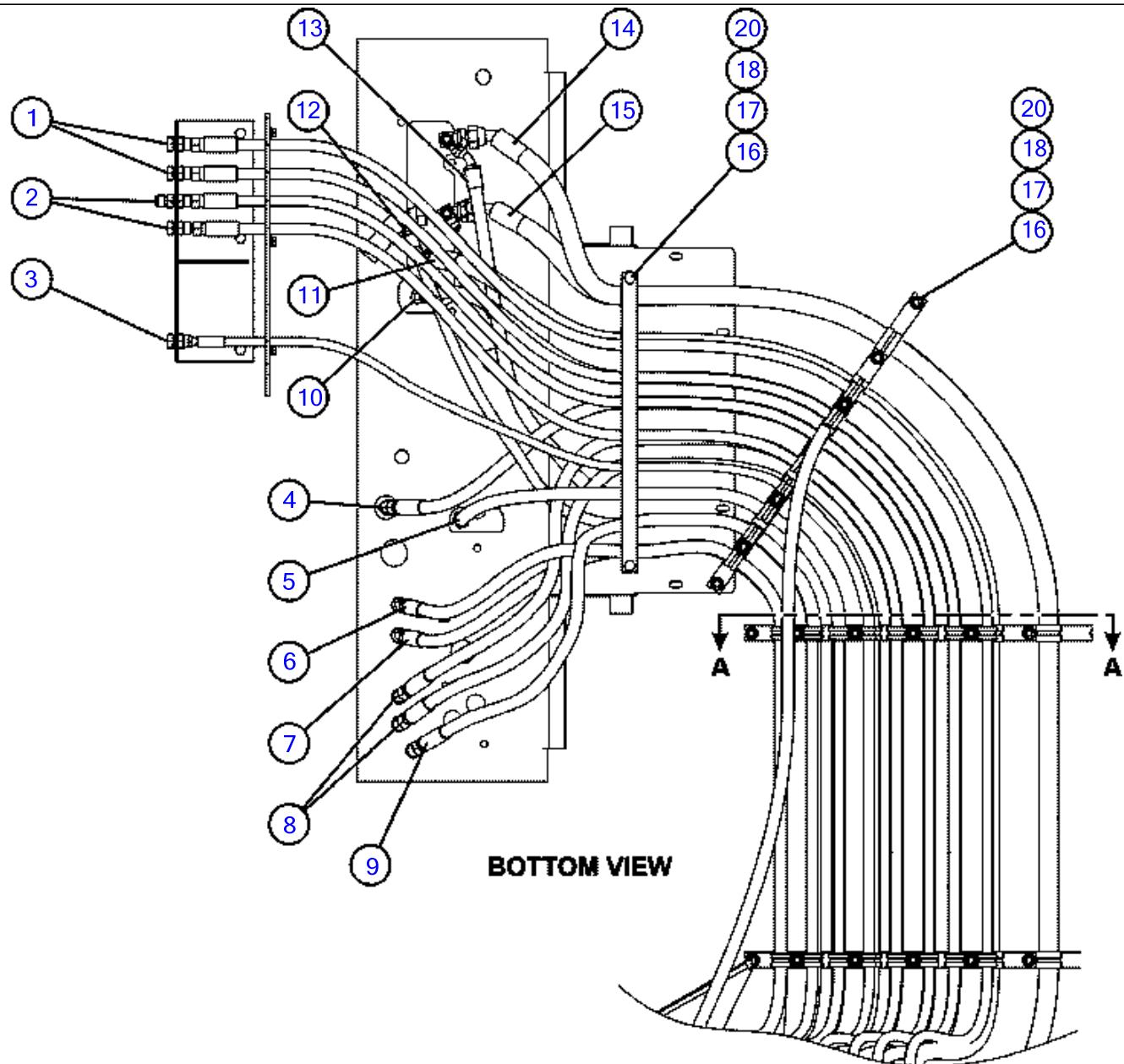
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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA

HYDRAULIC BRAKE CABINET HOSE ROUTING 1/3

Item	Part No	Description	Qty
1	HA7425	HOSE	1
2	HA7386	HOSE	1
3	HA6173	HOSE	2
4	HA5553	HOSE	1
5	HA6397	HOSE	1
6	WB0386	FITTING, TEE	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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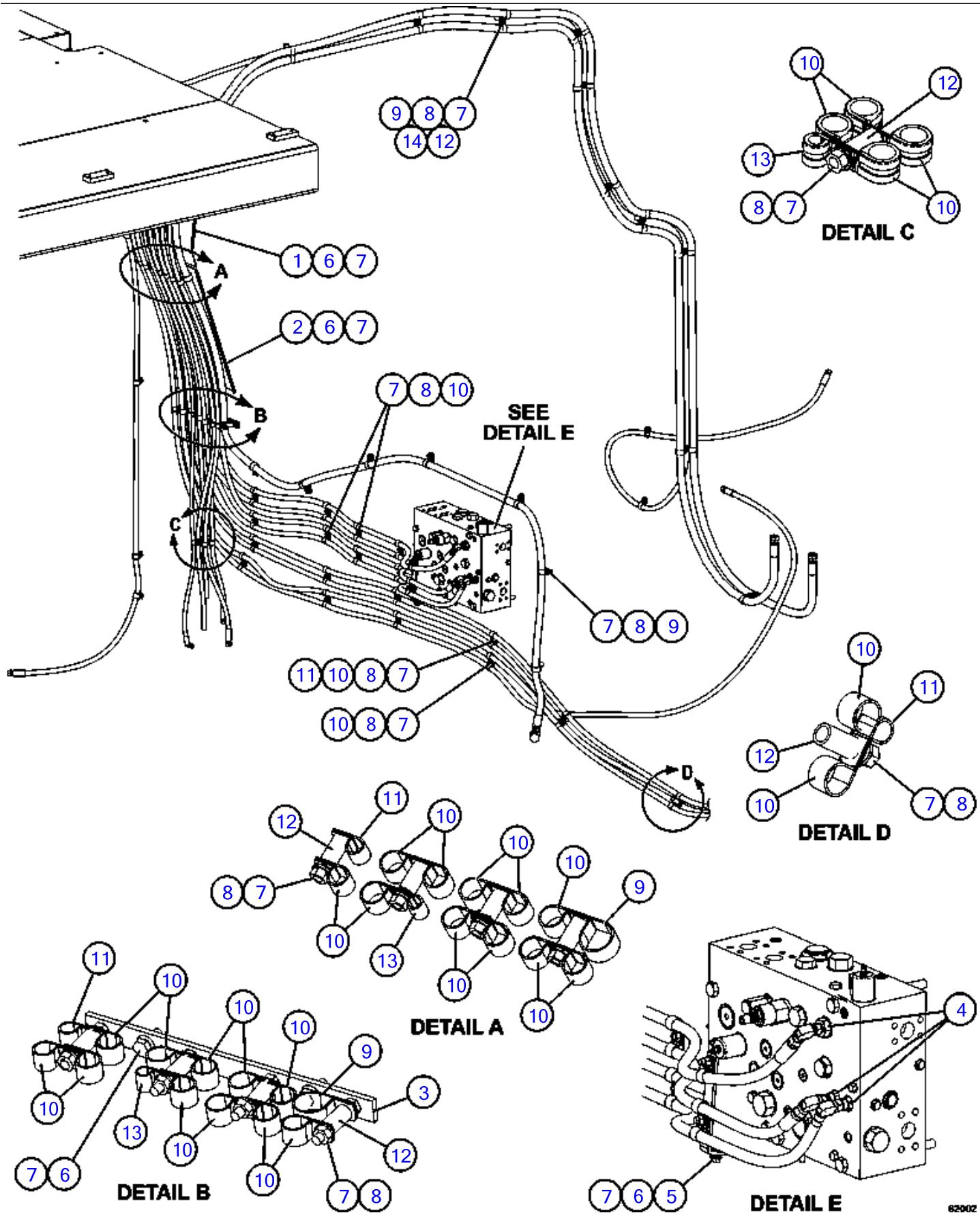


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## HYDRAULIC BRAKE CABINET HOSE ROUTING 2/3

Item	Part No	Description	Qty
1	HA8354	HOSE (STEERING VALVE PORT L & R)	2
2	HA6343	HOSE (STEERING VALVE PORT T & P)	2
3	HA7436	HOSE (STEERING VALVE PORT LS)	1
4	HA7285	HOSE (HOIST PILOT VALVE RETURN)	1
5	HA7421	HOSE (REAR BRAKE RELAY VALVE SIGNAL)	1
6	HA8696	HOSE (LEFT FRONT BRAKE APPLICATION)	1
7	HA8695	HOSE (RIGHT FRONT BRAKE APPLICATION)	1
8	HA8452	HOSE (HOIST PILOT POWER UP & POWER DOWN)	2
9	HA8351	HOSE (HOIST PILOT VALVE SUPPLY)	1
10	HA7836	HOSE (BRAKE SUPPLY)	1
11	HA7834	HOSE (BRAKE RETURN)	1
12	HA7422	HOSE (PARKING BRAKE)	1
13	HA7420	HOSE (REAR BRAKE RELAY VALVE PRESSURE)	1
14	HA8350	HOSE (REAR BRAKE ACCUMULATOR)	1
15	HA8086	HOSE (FRONT BRAKE ACCUMULATOR)	1
16	MM0605	CAPSCREW - M10 X 1.50 X 25	8
17	MM0461	FLAT WASHER - M10 (HARDENED)	8
18	MM0178	NUT - M10 X 1.50	28
19	MM0461	FLAT WASHER - M10	20
20	XC3417	BRACKET, CLAMP	4
21	TY8375	· SPACER	20
22	WB1300	CLAMP, CUSHIONED - 5/8"	4
23	WB3096	CLAMP, CUSHIONED - 1 1/4"	12
24	WB3092	CLAMP, CUSHIONED - 7/8"	52
25	WB3097	CLAMP, CUSHIONED - 1/2"	4

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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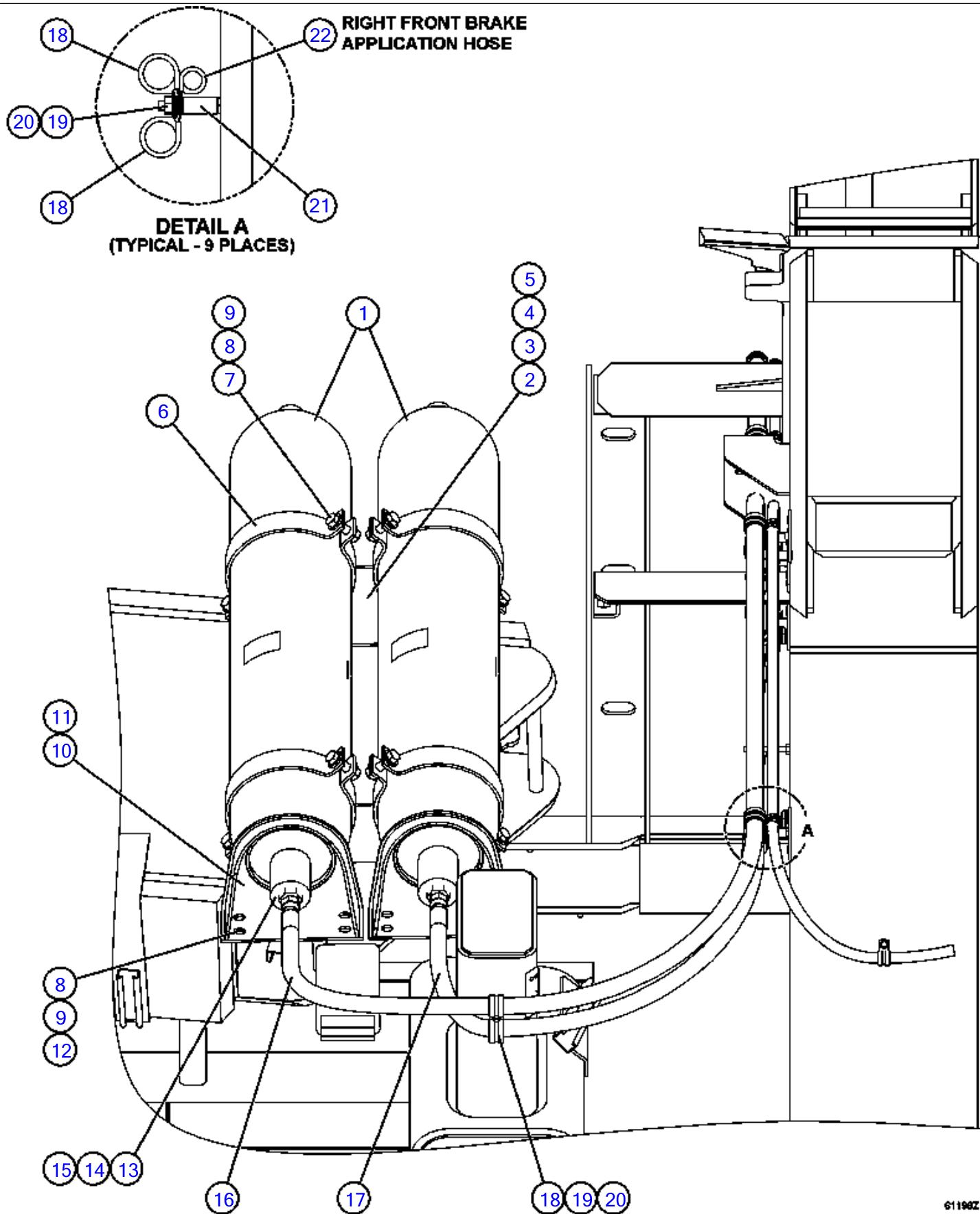


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 A31597 ANTAMINA

## HYDRAULIC BRAKE CABINET HOSE ROUTING 3/3

Item	Part No	Description	Qty
1	EM4401	SHIELD	1
2	EM4404	SHIELD	1
3	EM3987	PLATE	1
4	WB0375	FITTING, ELBOW - 90 DEG	3
5	EL8977	BRACKET	1
6	MM0605	CAPSCREW - M10 X 1.50 X 25	11
7	MM0461	FLAT WASHER - M10 (HARDENED)	63
8	MM0178	NUT - M10 X 1.50	52
9	WB3096	CLAMP, CUSHIONED - 1 1/4"	31
10	WB3092	CLAMP, CUSHIONED - 7/8"	75
11	WB1300	CLAMP, CUSHIONED - 5/8"	8
12	TY8375	SPACER	20
13	WB3097	CLAMP, CUSHIONED - 1/2"	3
14	WB1303	CLAMP, CUSHIONED - 3/4"	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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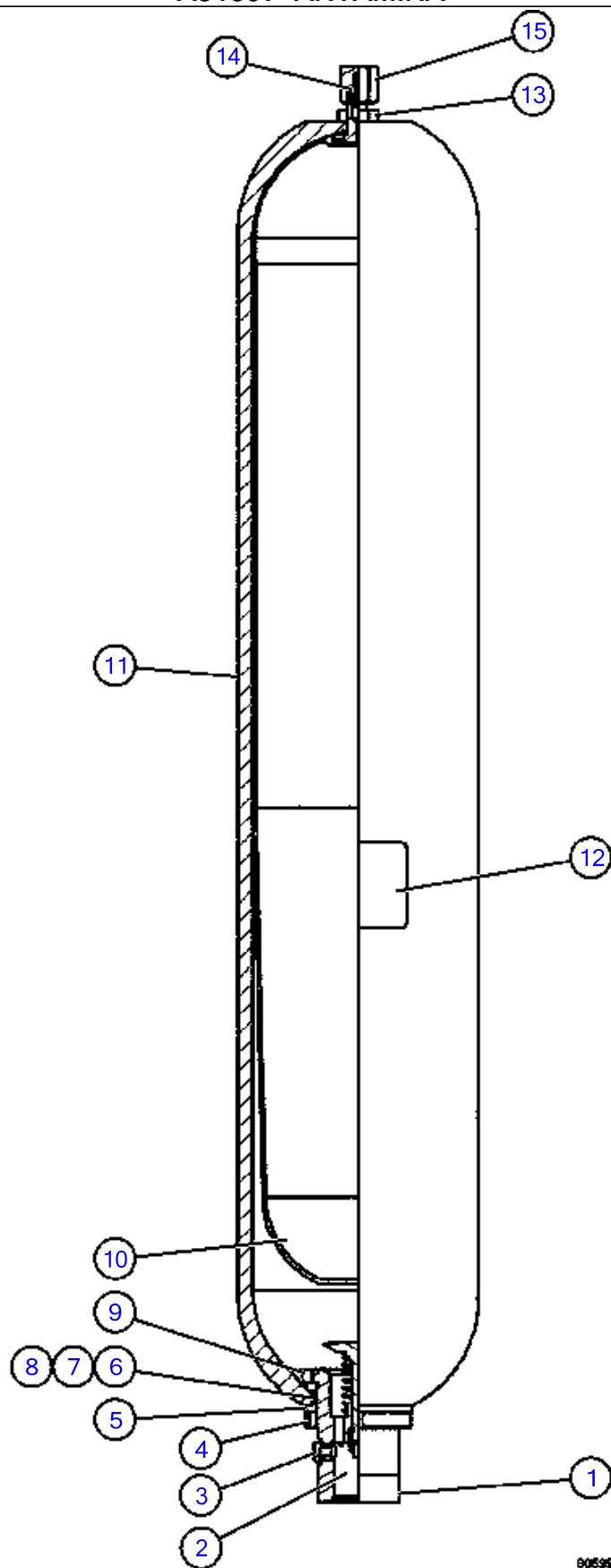


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 A31597 ANTAMINA

### BRAKE ACCUMULATORS & PIPING

Item	Part No	Description	Qty	Page
1	PC1116	BRAKE ACCUMULATOR (SEE INDEX)	2	540
2	EG3874	CLAMP, ACCUMULATOR MOUNTING	2	
3	C1603	CAPSCREW - 3/8" - 16NC X 1 1/4"	8	
4	C0312	LOCKWASHER - 3/8"	8	
5	C1547	FLAT WASHER - 3/8"	8	
6	EC3036	CLAMP, HALF	4	
7	MM0086	CAPSCREW - M16 X 2.00 X 60	8	
8	MM0706	FLAT WASHER - M16 (HARDENED)	32	
9	MM0696	LOCKNUT - M16 X 2.00	16	
10	EJ7766	BRACKET, BASE	2	
11	PC1118	RING, BASE	2	
12	MM0071	CAPSCREW - M16 X 2.00 X 45	8	
13	WB0594	FITTING, STRAIGHT	2	
14	DA6756	REDUCER	2	
15	VN9912	O-RING	2	
16	HA8350	HOSE (REAR BRAKE ACCUMULATOR)	1	
17	HA8086	HOSE (FRONT BRAKE ACCUMULATOR)	1	
18	WB3096	CLAMP, CUSHIONED - 1 1/4"	20	
19	MM0461	FLAT WASHER - M10	10	
20	MM0178	NUT - M10 X 1.50	10	
21	TY8375	SPACER	9	
22	WB1303	CLAMP, CUSHIONED - 3/4"	9	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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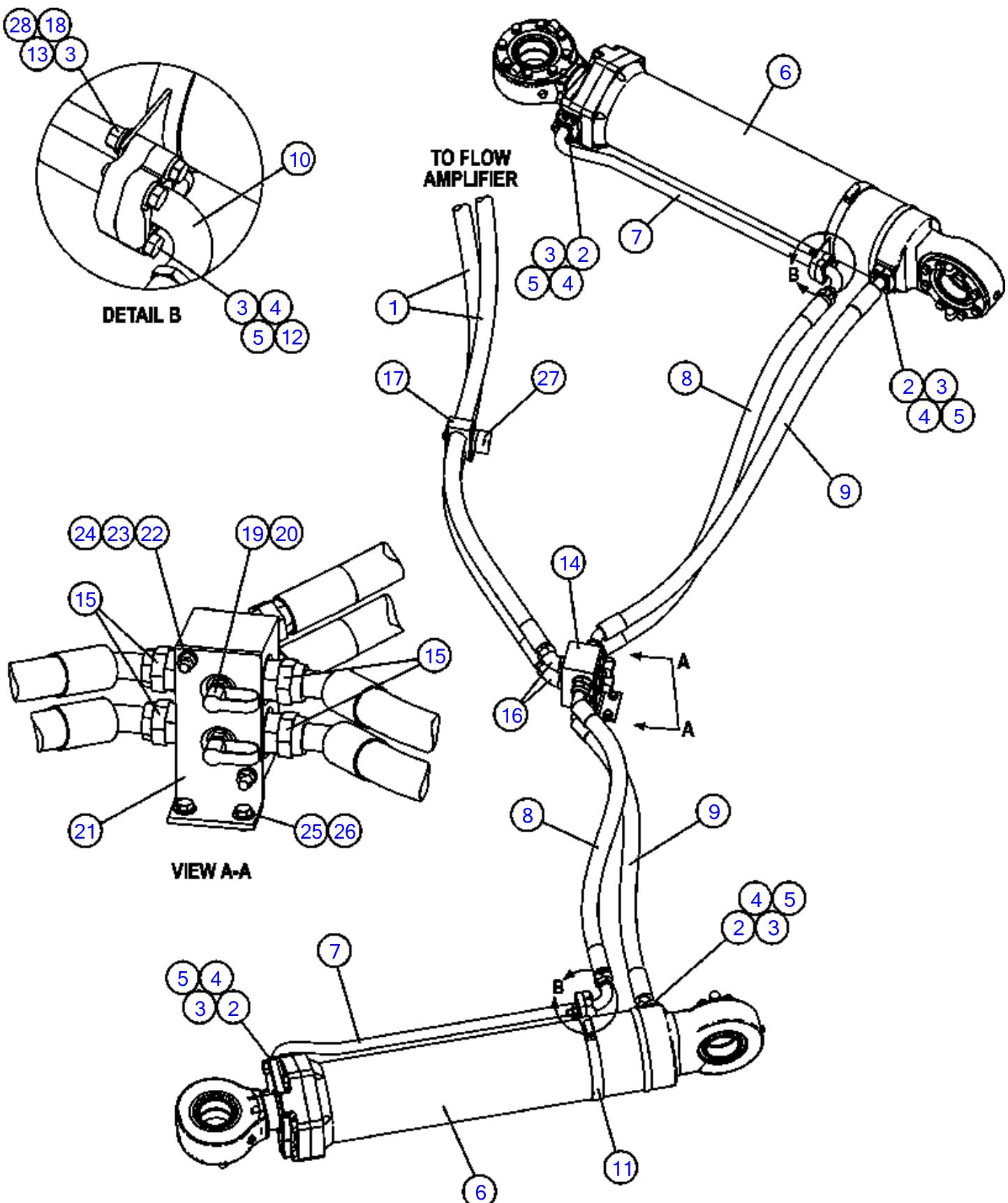
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**ACCUMULATOR ASSEMBLY - 10 GAL. PC1116**

Item	Part No	Description	Qty
1	XA0076	PROTECTOR, PORT	1
2	XA0066	PORT VALVE ASSEMBLY	1
3	XA0077	PLUG, BLEED	1
4	XA0074	RING, LOCKING	1
5	XA0073	SPACER	1
6	XA0072	RING, BACKUP (1)	1
7	XA0071	O-RING (1)	1
8	XA1929	WASHER, BACKUP (1)	1
9	XA0067	RING, ANTI-EXTRUSION	1
10	XA1961	BLADDER ASSEMBLY (1)	1
11		HOUSING (2)	1
12		NAME PLATE (2)	3
13	XA1932	NUT	1
14	XA1931	GAS VALVE ASSEMBLY (1)	1
15	XA1933	PROTECTOR, VALVE	1
NS	AK4787	NOTE: (1) INCLUDED IN AK4787 BLADDER REPAIR KIT. (2) NOT SERVICED SEPARATELY.	
NS			

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

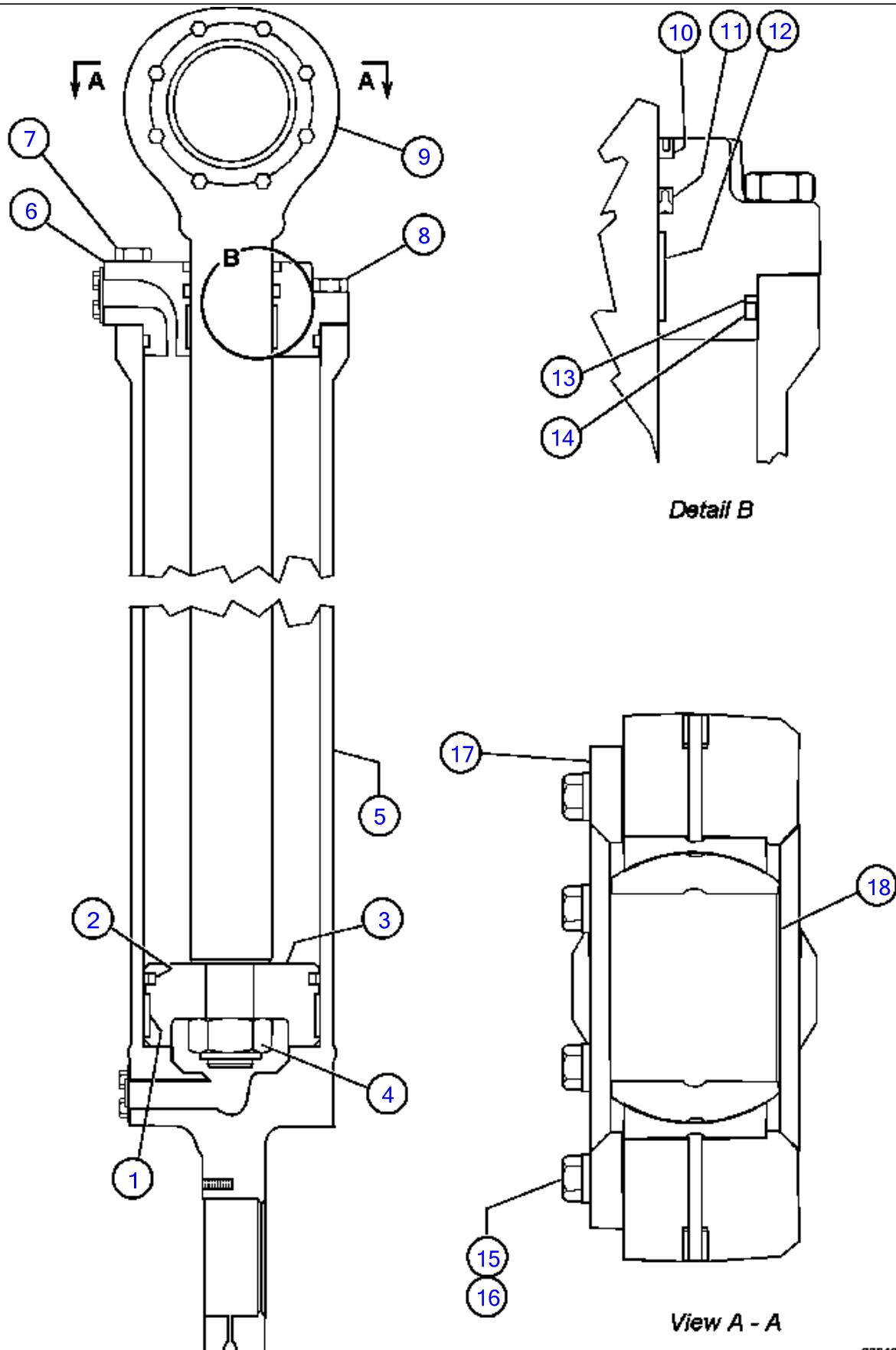


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 A31597 ANTAMINA

## STEERING CYLINDER PIPING

Item	Part No	Description	Qty	Page
1	HA7996	HOSE	2	
2	C1603	CAPSCREW - 3/8" - 16NC X 1 1/4"	16	
3	C0312	LOCKWASHER - 3/8"	32	
4	VG9097	O-RING	6	
5	TF8077	CLAMP, SPLIT FLANGE - 1"	12	
6	EM0241	STEERING CYLINDER ASSEMBLY (SEE INDEX)	2	544
7	EC1426	TUBE	2	
8	HA6241	HOSE	2	
9	HA2185	HOSE	2	
10	WA4855	FITTING, ELBOW - 90 DEG	2	
11	PB8899	CLAMP ASSEMBLY	2	
12	VC8762	CAPSCREW - 3/8" - 16NC X 1 1/2"	4	
13	C1521	NUT - 3/8" - 16NC	4	
14	TZ5901	MANIFOLD	1	
15	WB0599	FITTING, STRAIGHT	4	
16	WB0547	FITTING, ELBOW - 45 DEG	2	
17	EK2226	CLAMP ASSEMBLY	1	
18	TG2341	CAPSCREW - 3/8" - 16NC X 2 1/4"	4	
19	PB6528	COUPLING, DIAGNOSTIC	2	
20	PB6041	CAP, DUST	2	
21	EJ5570	BRACKET	1	
22	TF8481	CAPSCREW - 3/8" - 16NC X 4"	2	
23	TC1231	LOCKWASHER - 3/8"	4	
24	TC1233	NUT - 3/8" - 16NC	2	
25	H8524	CAPSCREW - 3/8" - 16NC X 5/8"	2	
26	DF3042	FLAT WASHER - 3/8"	2	
27	XB2396	BRACKET	1	
28	WA4726	FLAT WASHER - 3/8" (HARDENED)	4	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

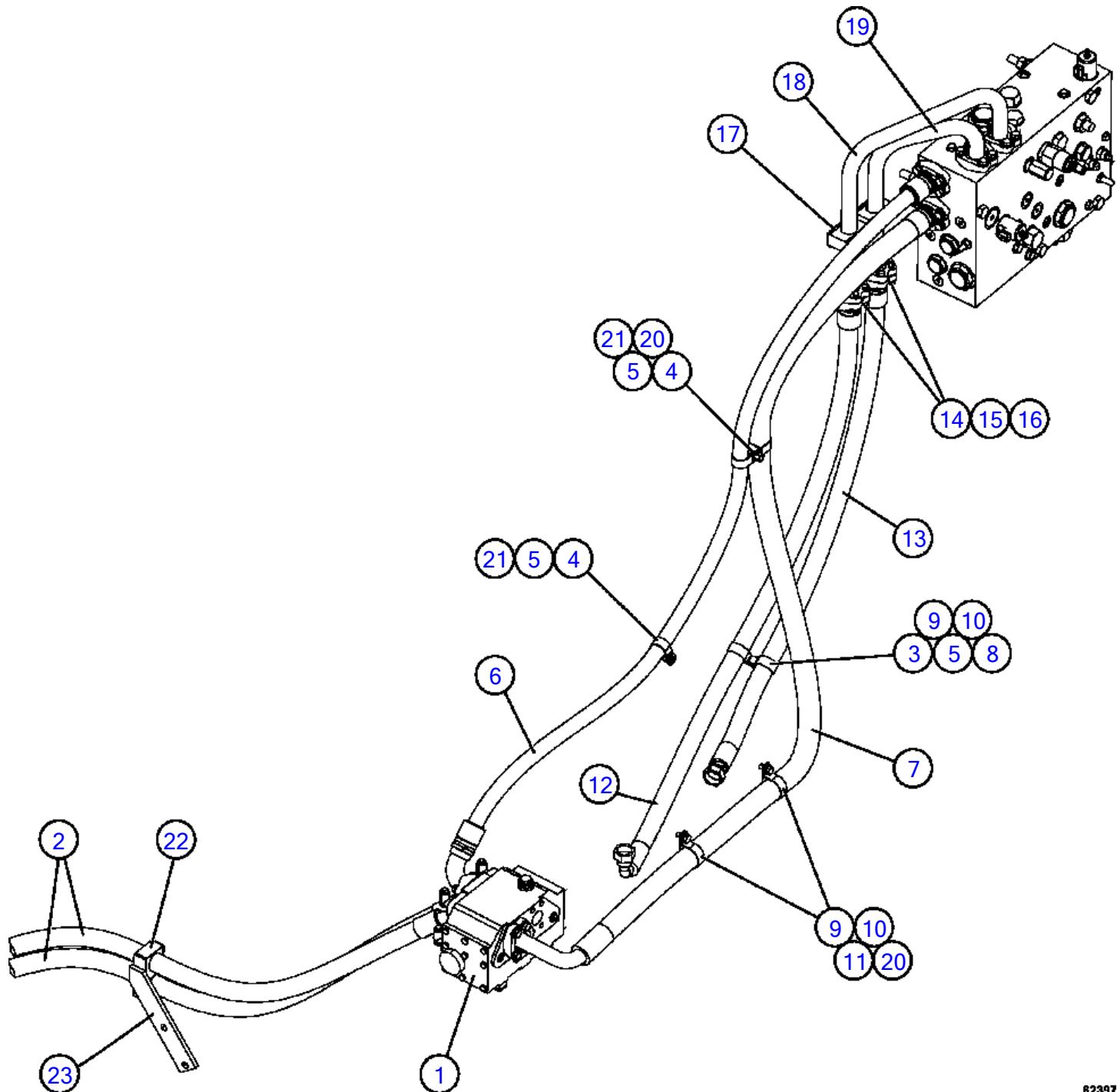


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**STEERING CYLINDER ASSEMBLY EM0241**

Item	Part No	Description	Qty
1	VZ1988	BEARING (1)	1
2	PC0584	SEAL (1)	1
3	EH3825	PISTON	1
4	VL7694	LOCKNUT - 1 3/4" - 5NC (1)	1
5	EH4428	HOUSING, CYLINDER	1
6	EH4437	GLAND	1
7	TD8516	CAPSCREW - 3/4" - 10NC X 3 1/2"	2
8	VM4571	CAPSCREW - 3/4" - 10NC X 2 1/2"	4
9	EM0242	ROD	1
10	PC0552	WIPER, ROD (1)	1
11	PC0553	SEAL, ROD (1)	1
12	PC0554	BEARING, ROD (1)	1
13	WA1436	RING, BACKUP (1)	1
14	WA0436	SEAL, O-RING (1)	1
15	C1613	CAPSCREW - 1/2" - 13NC X 1 1/4" (2)	16
16	C1540	LOCKWASHER - 1/2" (2)	16
17	EK1030	RETAINER, ANTI-ROTATION (2)	2
18	PC1686	BEARING, SPHERICAL (2)	2
NS	AK4307	NOTE: (1) INCLUDED IN AK4307 STEERING CYLINDER REBUILD KIT. (2) NOT INCLUDED IN ASSEMBLY. (QUANTITIES SHOWN ARE FOR ONE SIDE ONLY.)	
NS			
NS			

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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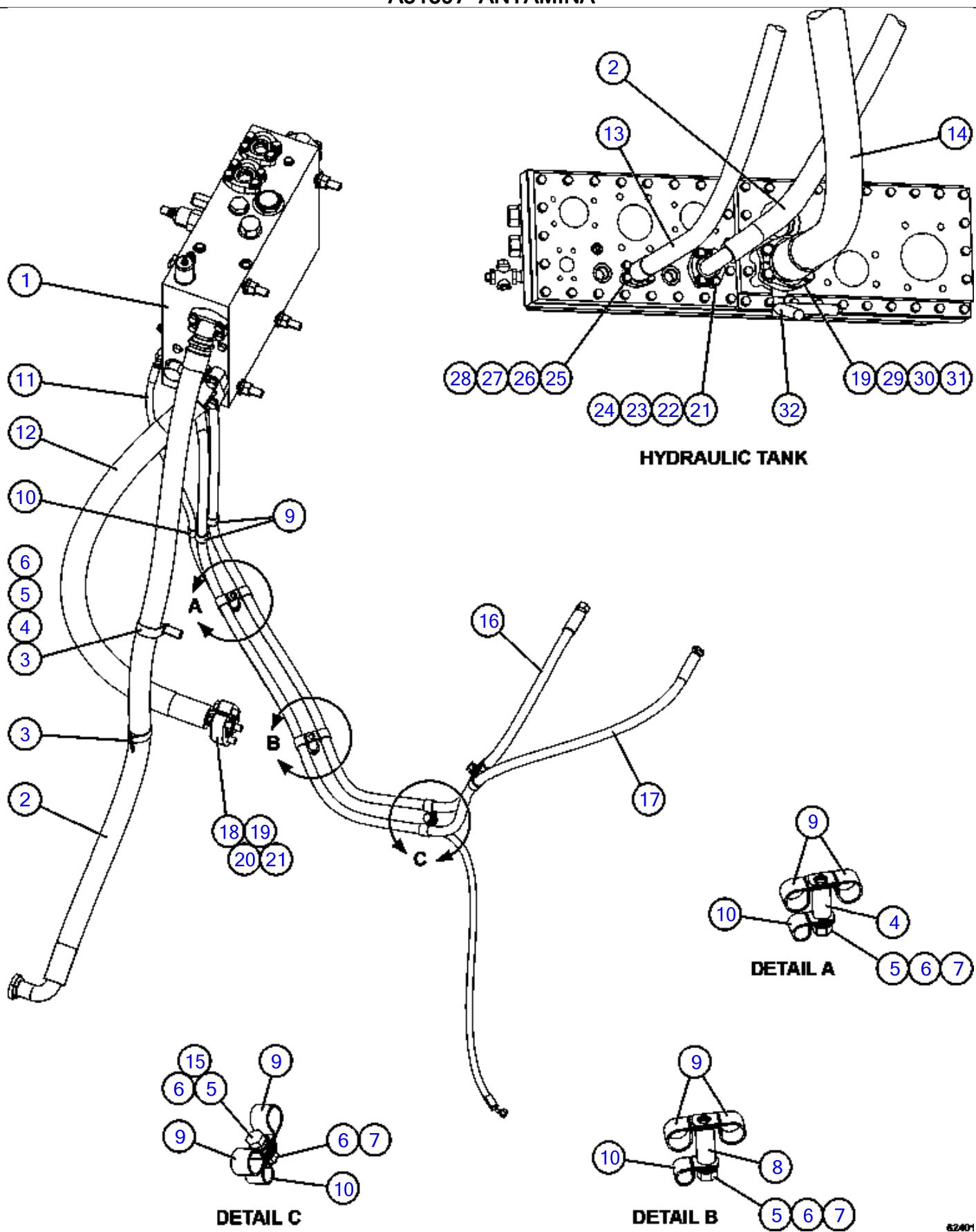
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 A31597 ANTAMINA

## STEERING SYSTEM PIPING 1/2

Item	Part No	Description	Qty	Page
1	PC2162	FLOW AMPLIFIER VALVE (SEE INDEX)	1	552
2	HA7996	HOSE	1	
3	WB1305	CLAMP, CUSHIONED - 1 1/2"	2	
4	MM0713	FLAT WASHER - M10 (HARDENED)	3	
5	MM0178	NUT - M10 X 1.50	3	
6	HA7918	HOSE	1	
7	HA8857	HOSE	1	
8	MM0606	CAPSCREW - M10 X 1.50 X 30	1	
9	MM0461	FLAT WASHER - M10	3	
10	MM0471	LOCKWASHER - M10	3	
11	MM0604	CAPSCREW - M10 X 1.50 X 20	2	
12	HA3288	HOSE	1	
13	HA7919	HOSE	1	
14	C1609	CAPSCREW - 7/16" - 14NC X 1 1/2"	8	
15	C5775	LOCKWASHER - 7/16"	8	
16	TF3237	CLAMP, SPLIT FLANGE - 1 1/4"	4	
17	WA4709	CLAMP, HYDRA ZORB - 1 1/4"	2	
18	EJ2746	TUBE	1	
19	EJ2745	TUBE	1	
20	WB3858	CLAMP, CUSHIONED - 1 13/16"	3	
21	WB3096	CLAMP, CUSHIONED - 1 1/4"	2	
22	EK2226	CLAMP ASSEMBLY	1	
23	XB2396	BRACKET	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

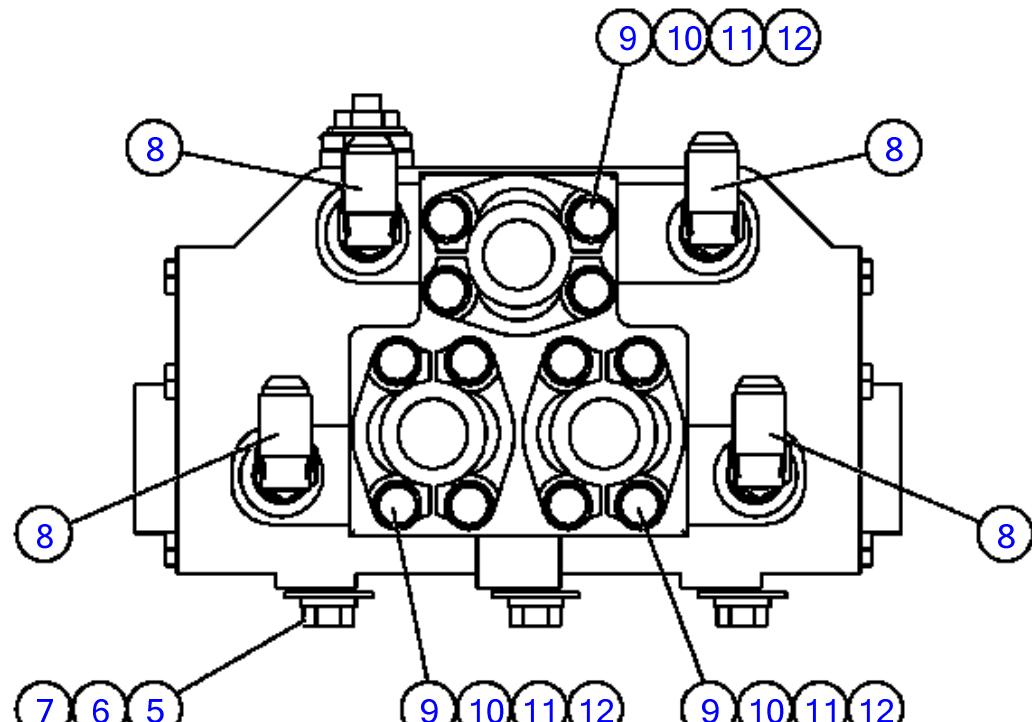
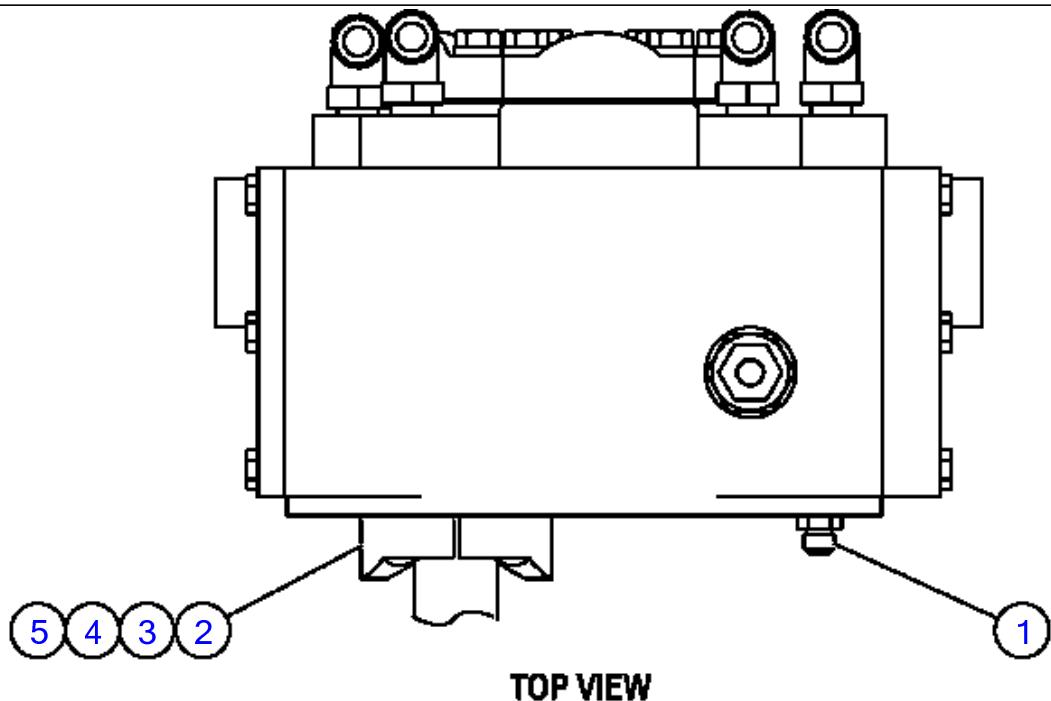


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 A31597 ANTAMINA

## STEERING SYSTEM PIPING 2/2

Item	Part No	Description	Qty	Page
1	PC1493	BLEED DOWN MANIFOLD (SEE INDEX)	1	558
2	HA7985	HOSE	1	
3	WB3094	CLAMP, CUSHIONED - 1 3/4"	2	
4	TY8375	SPACER	2	
5	MM0471	LOCKWASHER - M10	4	
6	MM0461	FLAT WASHER - M10	5	
7	MM0178	NUT - M10 X 1.50	3	
8	EM1393	SPACER	1	
9	WB3855	CLAMP, CUSHIONED - 13/16"	8	
10	WB1304	CLAMP, CUSHIONED - 9/16"	4	
11	HA7688	HOSE	1	
12	HA8831	HOSE	1	
13	HA7687	HOSE	1	
14	HA7341	HOSE	1	
15	MM0606	CAPSCREW - M10 X 1.50 X 30	1	
16	HA5582	HOSE	1	
17	HA7331	HOSE	1	
18	C1615	CAPSCREW - 1/2" - 13NC X 1 3/4"	4	
19	C1540	LOCKWASHER - 1/2"	8	
20	WA5630	CLAMP, SPLIT FLANGE - 1 1/4"	2	
21	VG9096	O-RING	1	
22	C1609	CAPSCREW - 7/16" - 14NC X 1 1/2"	4	
23	C5775	LOCKWASHER - 7/16"	4	
24	TF3237	CLAMP, SPLIT FLANGE - 1 1/4"	2	
25	C1603	CAPSCREW - 3/8" - 16NC X 1 1/4"	4	
26	C0312	LOCKWASHER - 3/8"	4	
27	TF8077	CLAMP, SPLIT FLANGE - 1"	2	
28	VG9097	O-RING	1	
29	C1623	CAPSCREW - 12" - 13NC X 3 3/4"	4	
30	VH6718	CLAMP, SPLIT FLANGE - 2 1/2"	2	
31	WA0232	O-RING	1	
32	PC0170	VALVE, SHUT-OFF	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

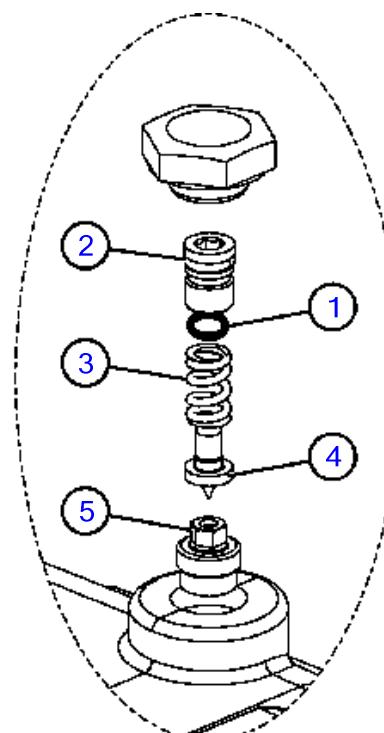


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 A31597 ANTAMINA

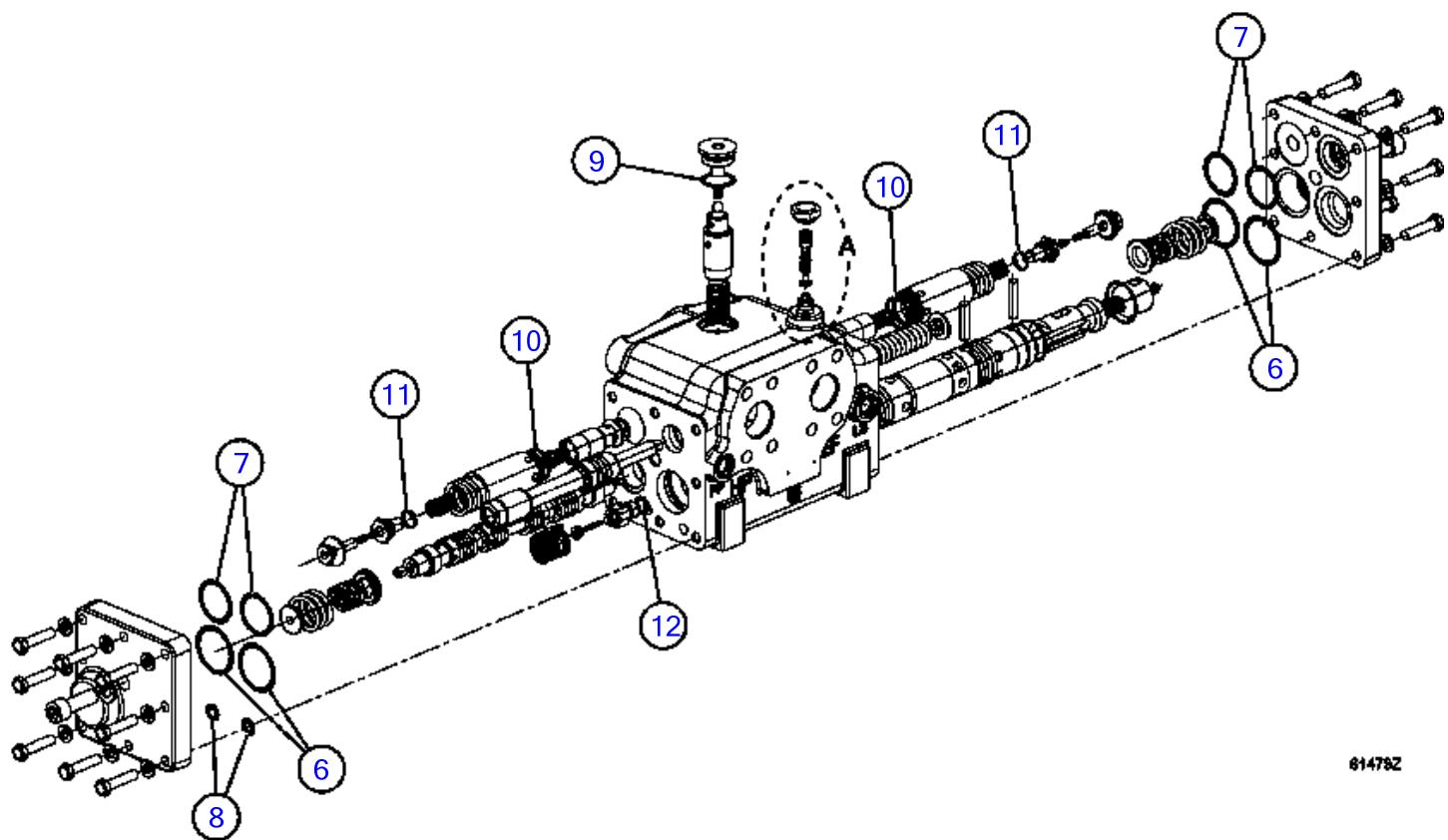
### FLOW AMPLIFIER VALVE PIPING & INSTALLATION

Item	Part No	Description	Qty
1	WB0574	FITTING, STRAIGHT	1
2	TF3237	CLAMP, SPLIT FLANGE - 1 1/4"	2
3	VG9096	O-RING	1
4	C1609	CAPSCREW - 7/16" - 14NC X 1 1/2"	4
5	C5775	LOCKWASHER - 7/16"	7
6	C1608	CAPSCREW - 7/16" - 14NC X 1"	3
7	PB1255	FLAT WASHER - 7/16" (HARDENED)	3
8	WB0508	FITTING, ELBOW - 90 DEG	4
9	TF8077	CLAMP, SPLIT FLANGE - 1"	6
10	VG9097	O-RING	3
11	C1603	CAPSCREW - 3/8" - 16NC X 1 1/4"	12
12	C0312	LOCKWASHER - 3/8"	12

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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DETAIL A



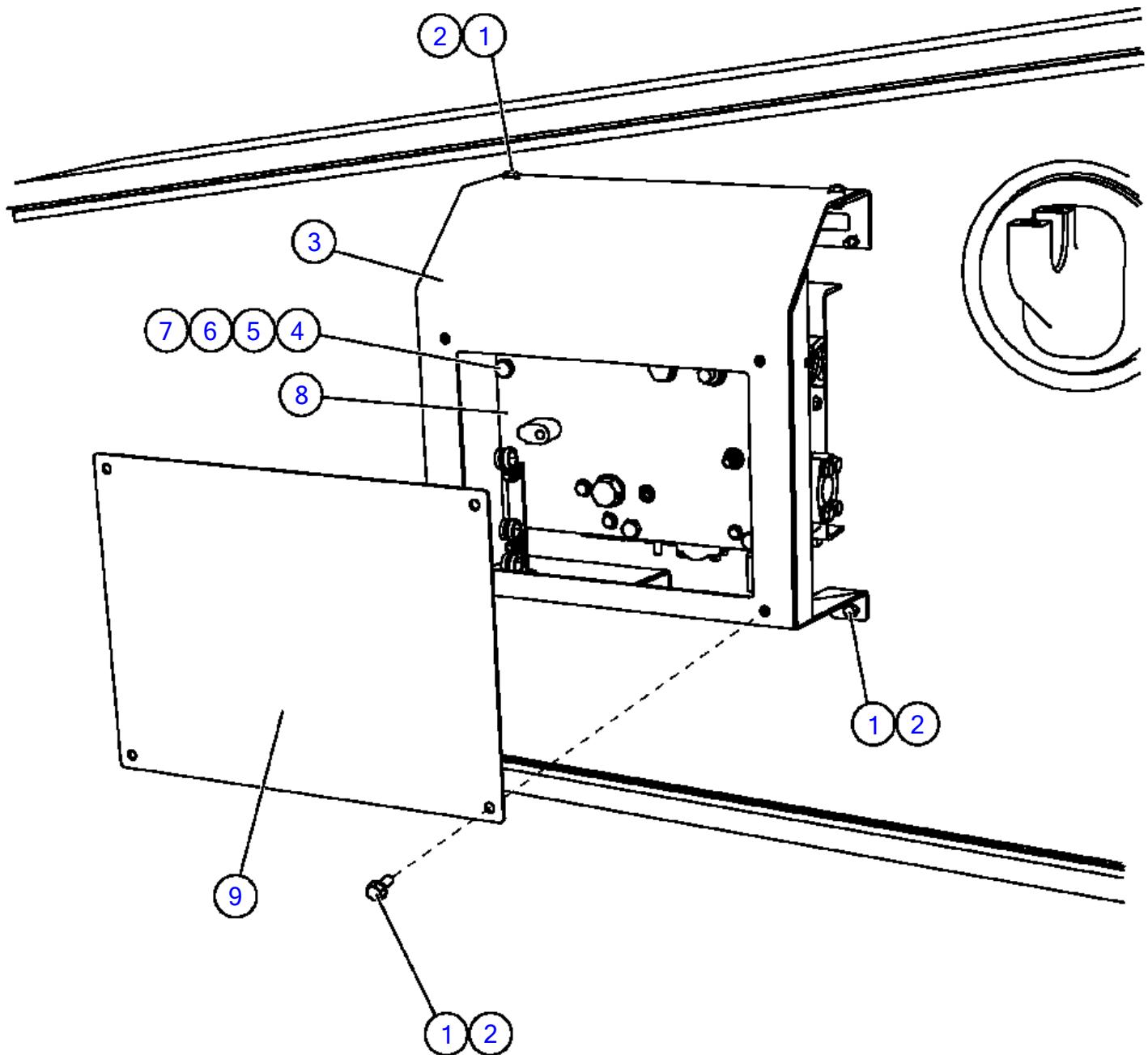
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**FLOW AMPLIFIER VALVE PC2162**

Item	Part No	Description	Qty
1	XA3695	O-RING (1)	1
2	XA3696	ADJUSTING SCREW (1)	1
3	XA3697	SPRING (1)	1
4	XA3698	PILOT CONE (1)	1
5	XA3699	VALVE SEAT (1)	1
6	VE4146	O-RING (2)	4
7	VE4147	O-RING (2)	4
8	VE4148	O-RING (2)	2
9	VE4149	O-RING (2)	1
10	VE4152	O-RING (2)	2
11	VE4153	O-RING (2)	2
12	VE4154	O-RING (2)	1
NS	XA4442	NOTE: (1) INCLUDED IN XA4442 FLOW AMPLIFIER SERVICE KIT.	
NS	XA4441	(2) INCLUDED IN XA4441 RELIEF VALVE ASSEMBLY SERVICE KIT.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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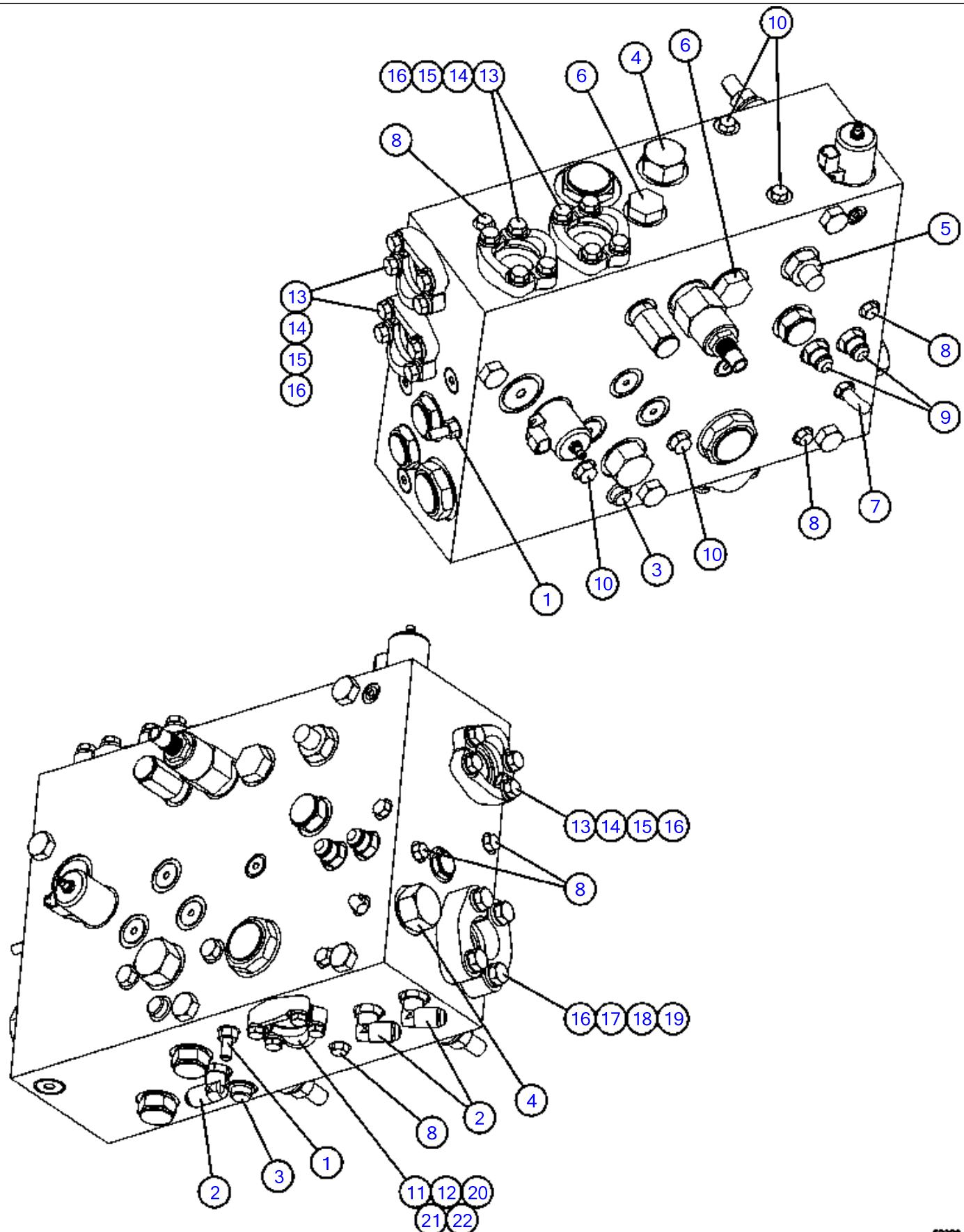
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## BLEEDDOWN MANIFOLD INSTALLATION

Item	Part No	Description	Qty	Page
1	MM0605	CAPSCREW - M10 X 1.50 X 25	8	
2	MM0713	FLAT WASHER - M10 (HARDENED)	8	
3	EM4419	COVER	1	
4	SR7222	CAPSCREW - 5/8" - 11NC X 8"	4	
5	WA0361	FLAT WASHER - 5/8" (HARDENED)	4	
6	C1541	LOCKWASHER - 5/8"	4	
7	C1525	NUT - 5/8" - 11NC	4	
8	PC1493	BLEED DOWN MANIFOLD (SEE INDEX)	1	
9	EJ3626	SHEET	1	558

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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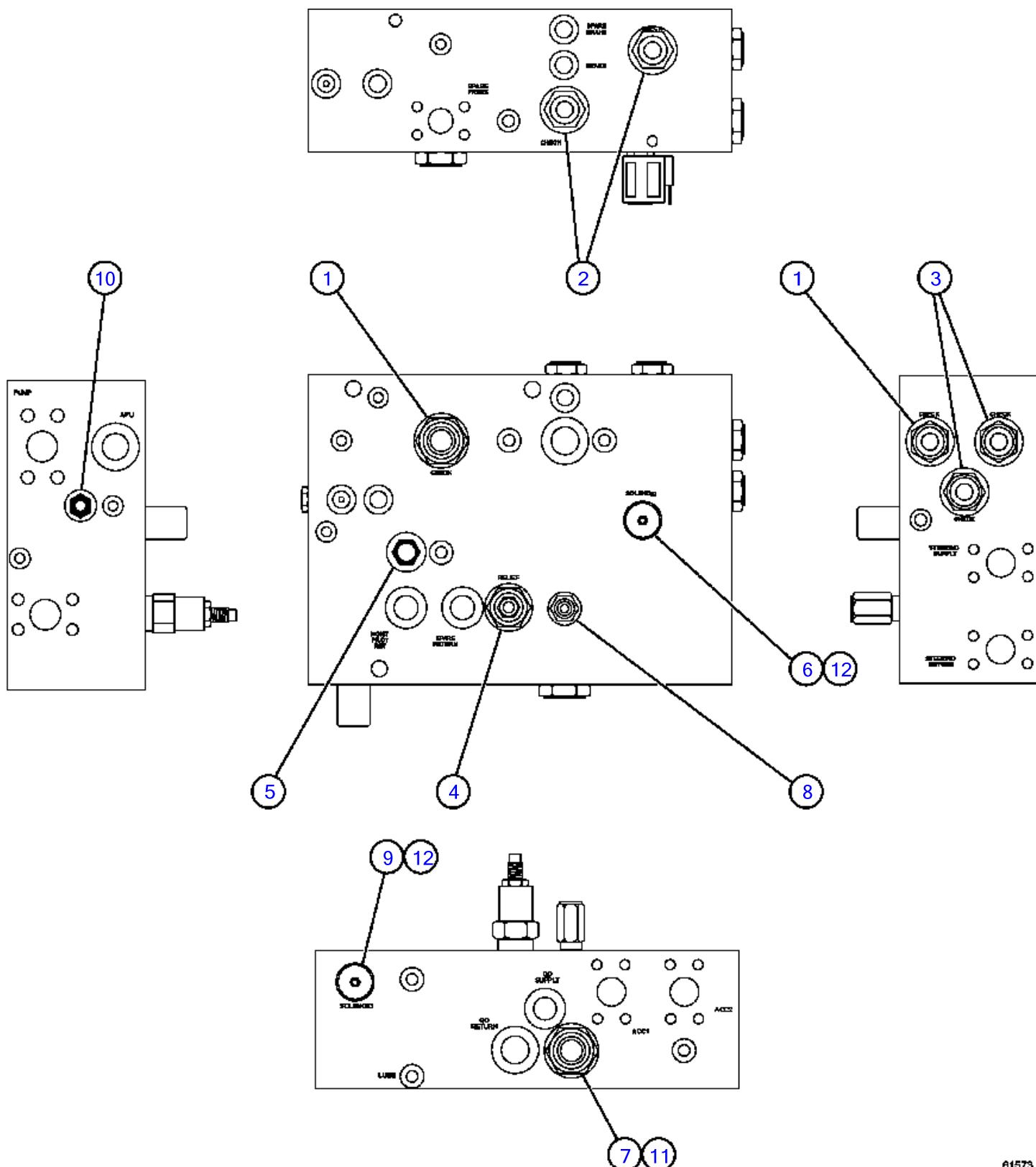


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### BLEED DOWN MANIFOLD PIPING

Item	Part No	Description	Qty
1	PB6770	COUPLING, MALE QUICK DISCONNECT	2
2	WB0508	FITTING, ELBOW - 90 DEG	3
3	VM0315	PLUG	2
4	VM0319	PLUG	2
5	WB0586	FITTING, STRAIGHT	1
6	VM0317	PLUG	2
7	WB0499	FITTING, ELBOW - 90 DEG	1
8	VM0313	PLUG, O-RING BOSS	6
9	WB0584	FITTING, STRAIGHT	2
10	VM0314	PLUG	4
11	603517C1	PLUG, FLANGE - 1"	1
12	TF8077	CLAMP, SPLIT FLANGE - 1"	2
13	TF3237	CLAMP, SPLIT FLANGE - 1 1/4"	10
14	C1609	CAPSCREW - 7/16" - 14NC X 1 1/2"	20
15	C5775	LOCKWASHER - 7/16"	20
16	VG9096	O-RING	6
17	WA5630	CLAMP, SPLIT FLANGE - 1 1/4"	2
18	C1615	CAPSCREW - 1/2" - 13NC X 1 3/4"	4
19	C1540	LOCKWASHER - 1/2"	4
20	C1603	CAPSCREW - 3/8" - 16NC X 1 1/4"	4
21	C0312	LOCKWASHER - 3/8"	4
22	VG9097	O-RING	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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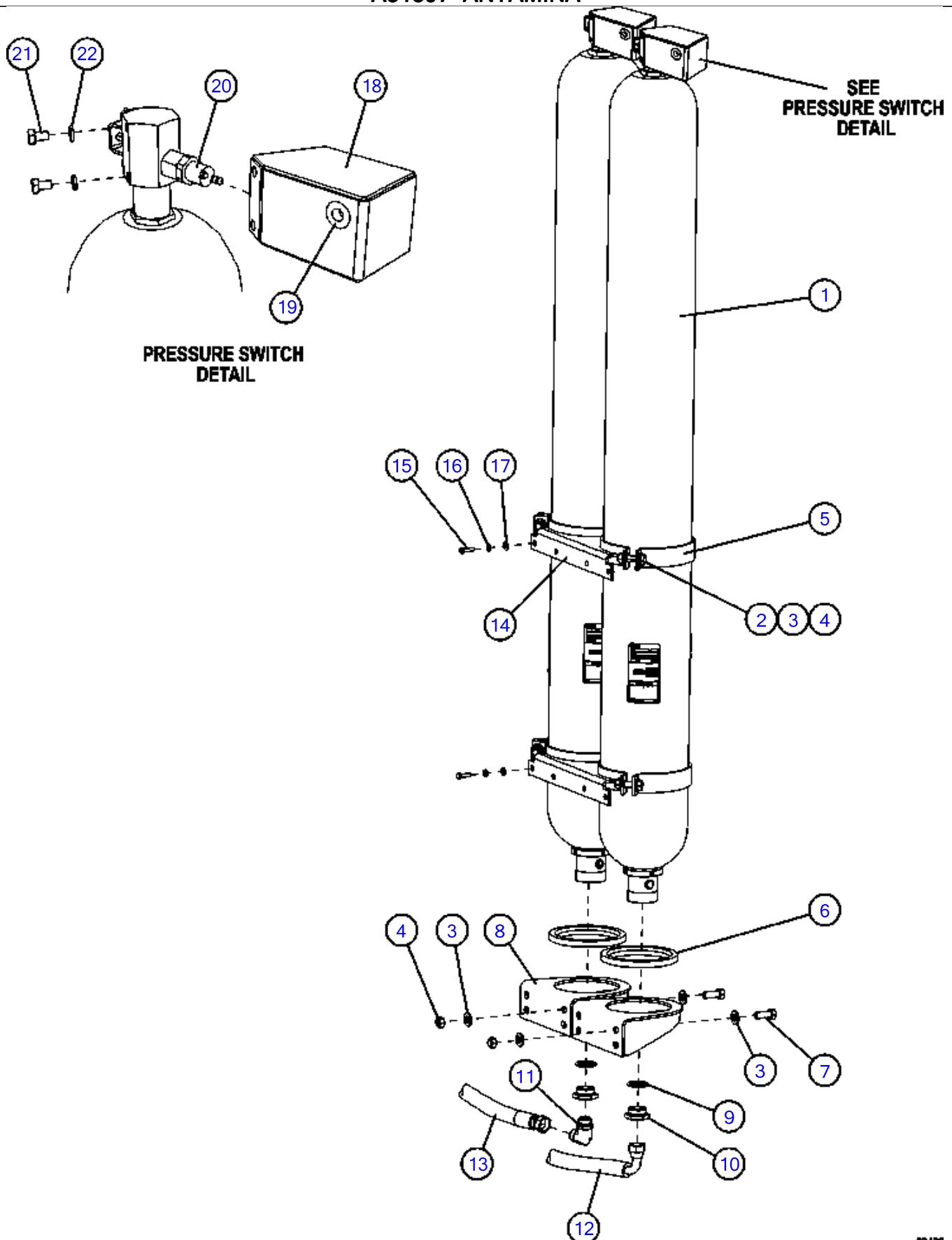
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**BLEED DOWN MANIFOLD PC1493**

Item	Part No	Description	Qty
1	PB5916	VALVE, CHECK	2
2	XA0200	VALVE, CHECK	2
3	VE3054	VALVE, CHECK	2
4	XA4435	VALVE, RELIEF	1
5	XA0201	PLUG, CAVITY	1
6	BF4493	VALVE, SOLENOID	1
7	VE3839	VALVE, CHECK	1
8	BF5202	VALVE, RELIEF	1
9	VS7009	CARTRIDGE, SOLENOID	1
10	BF5204	VALVE, PILOT	1
11	XA2379	VALVE, PILOT PISTON	1
12	XA2380	COIL - 24V	2

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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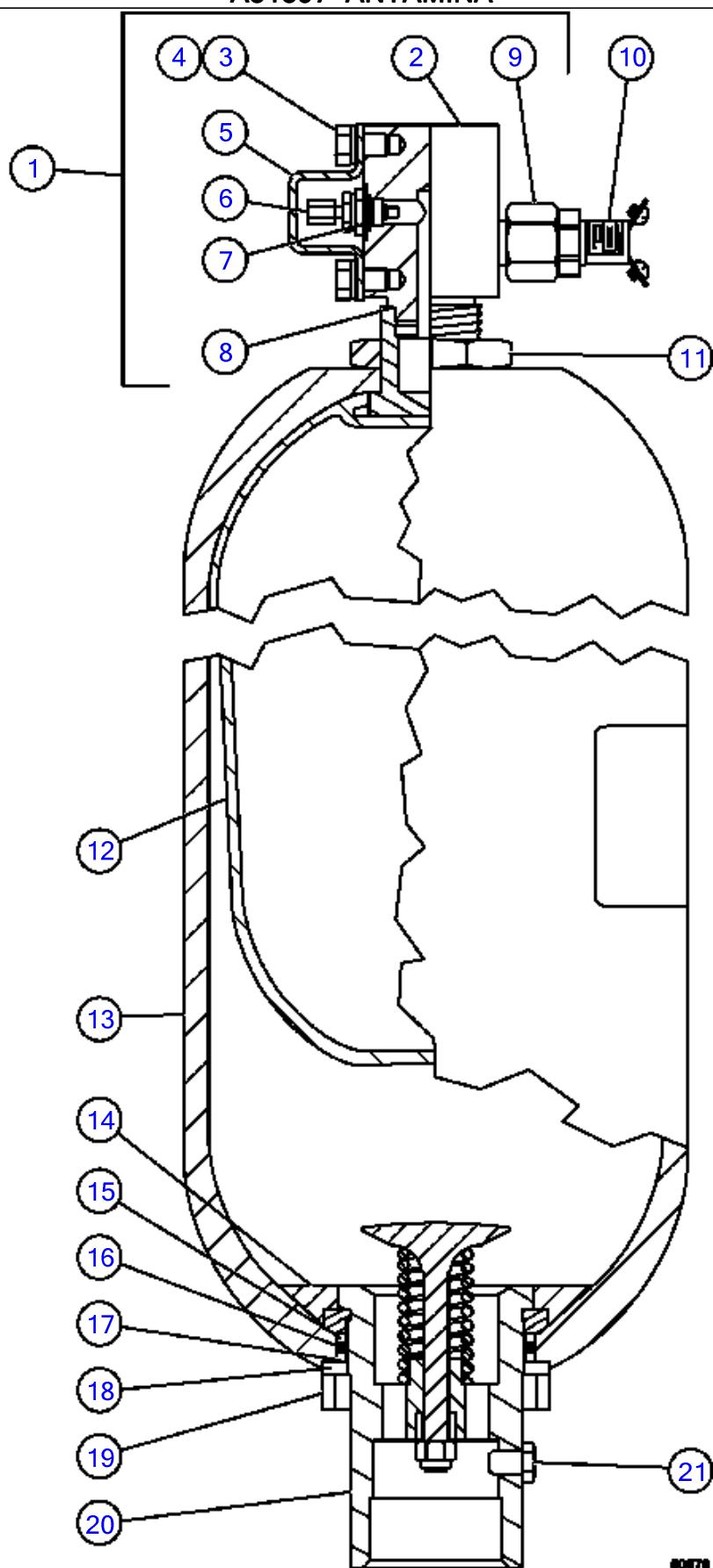


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 A31597 ANTAMINA

## STEERING ACCUMULATOR INSTALLATION

Item	Part No	Description	Qty	Page
1	PC2041	STEERING ACCUMULATOR ASSEMBLY (SEE INDEX)	2	562
2	MM0086	CAPSCREW - M16 X 2.00 X 60	8	
3	MM0706	FLAT WASHER - M16 (HARDENED)	32	
4	MM0696	LOCKNUT - M16 X 2.00	16	
5	EC3036	CLAMP, HALF	4	
6	PC1118	RING, BASE	2	
7	MM0071	CAPSCREW - M16 X 2.00 X 45	8	
8	XB3876	BRACKET, BASE	2	
9	VN9912	O-RING	2	
10	DA6756	REDUCER	2	
11	WB0522	FITTING, ELBOW - 90 DEG	1	
12	HA3288	HOSE	1	
13	HA7919	HOSE	1	
14	EG3874	CLAMP, ACCUMULATOR MOUNTING	2	
15	C1603	CAPSCREW - 3/8" - 16NC X 1 1/4"	8	
16	C0312	LOCKWASHER - 3/8"	8	
17	DF3042	FLAT WASHER - 3/8"	8	
18	EJ7888	COVER	2	
19	TR8279	GROMMET, RUBBER	2	
20	PB8333	SWITCH, PRESSURE	2	
21	MM0603	CAPSCREW - M10 X 1.50 X 16	4	
22	MM0471	LOCKWASHER - M10	4	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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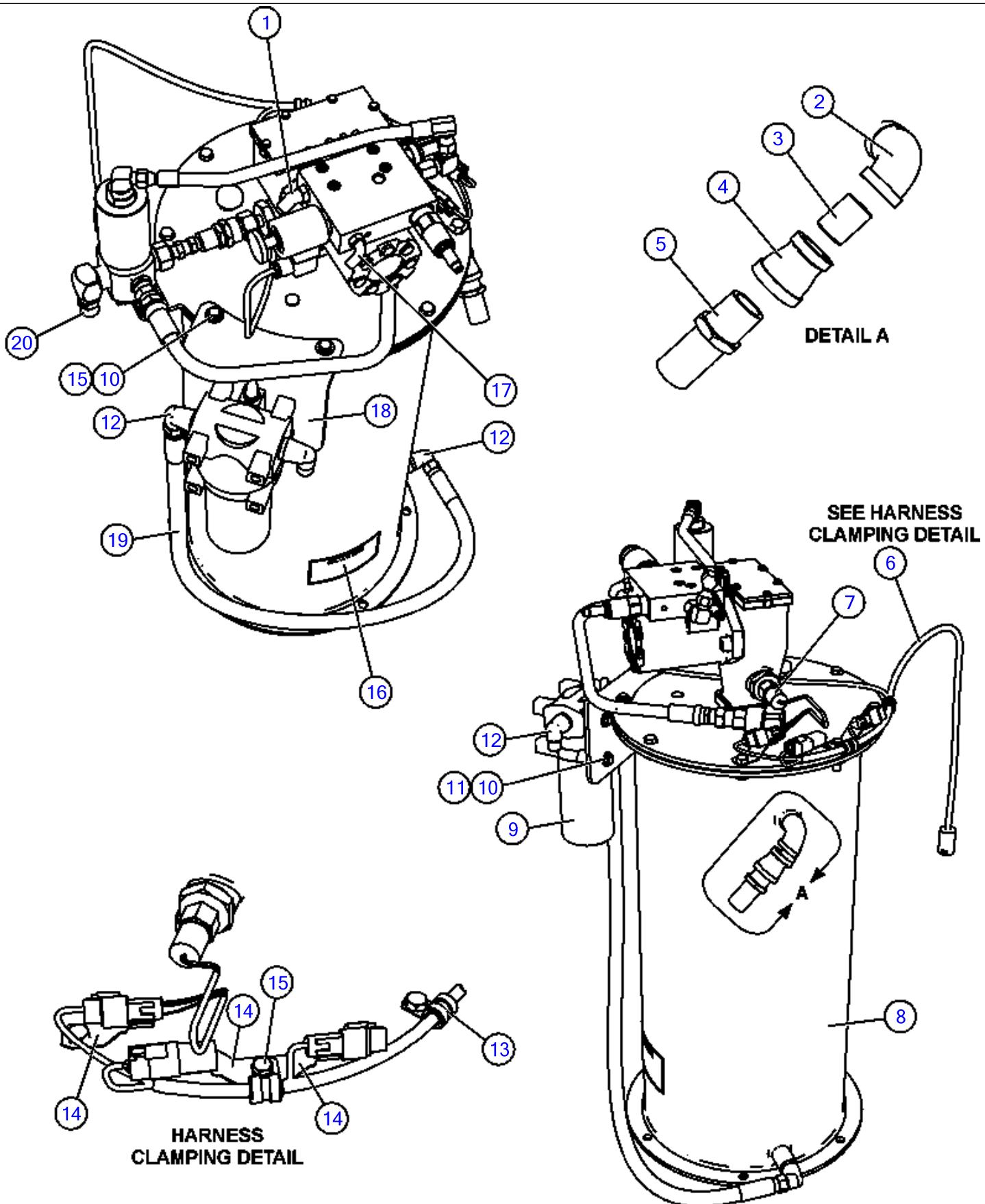
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 A31597 ANTAMINA

**STEERING ACCUMULATOR ASSEMBLY      PC2041**

Item	Part No	Description	Qty
1	XA2283	GAS MANIFOLD KIT	1
2	EJ7887	• MANIFOLD, GAS VALVE	1
3	MM0603	• CAPSCREW - M10 X 1.50 X 16	2
4	MM0471	• LOCKWASHER - M10	2
5	TV1294	• GUARD	1
6	PB2194	• CHARGING VALVE ASSEMBLY (1)	1
	TR9993	• • CAP, VALVE	1
	TD7179	• • CORE, VALVE	1
	TF1144	• • O-RING, HOUSING	1
	WA0052	• • O-RING, VALVE STEM	1
7	VD5076	• GASKET, FLAT (1)	1
8	TC9899	• O-RING	1
9	EC1015	• GAS VALVE ASSEMBLY	1
	TD7179	• • CORE, VALVE	1
	EC1447	• • BODY, VALVE	1
	TL3995	• • O-RING	1
10	PB8333	SWITCH, PRESSURE (2)	1
11	XA0069	NUT	1
12		BLADDER ASSEMBLY (3)	1
13	XA1960	SHELL	1
14	XA0067	RING, ANTI-EXTRUSION	1
15	XA0070	WASHER, BACKUP (3)	1
16	XA0071	O-RING (3)	1
17	XA0072	RING, BACKUP (3)	1
18	XA0073	SPACER	1
19	XA0074	RING, LOCKING	1
20	XA0066	PORT VALVE ASSEMBLY	1
21	XA0077	PLUG, BLEED	1
NS	RK1887	NOTE: (1) INCLUDED IN RK1887 CHARGING VALVE KIT.	
NS		(2) NOT INCLUDED IN ASSEMBLY.	
NS	XA4155	(3) INCLUDED IN XA4155 BLADDER REPAIR KIT.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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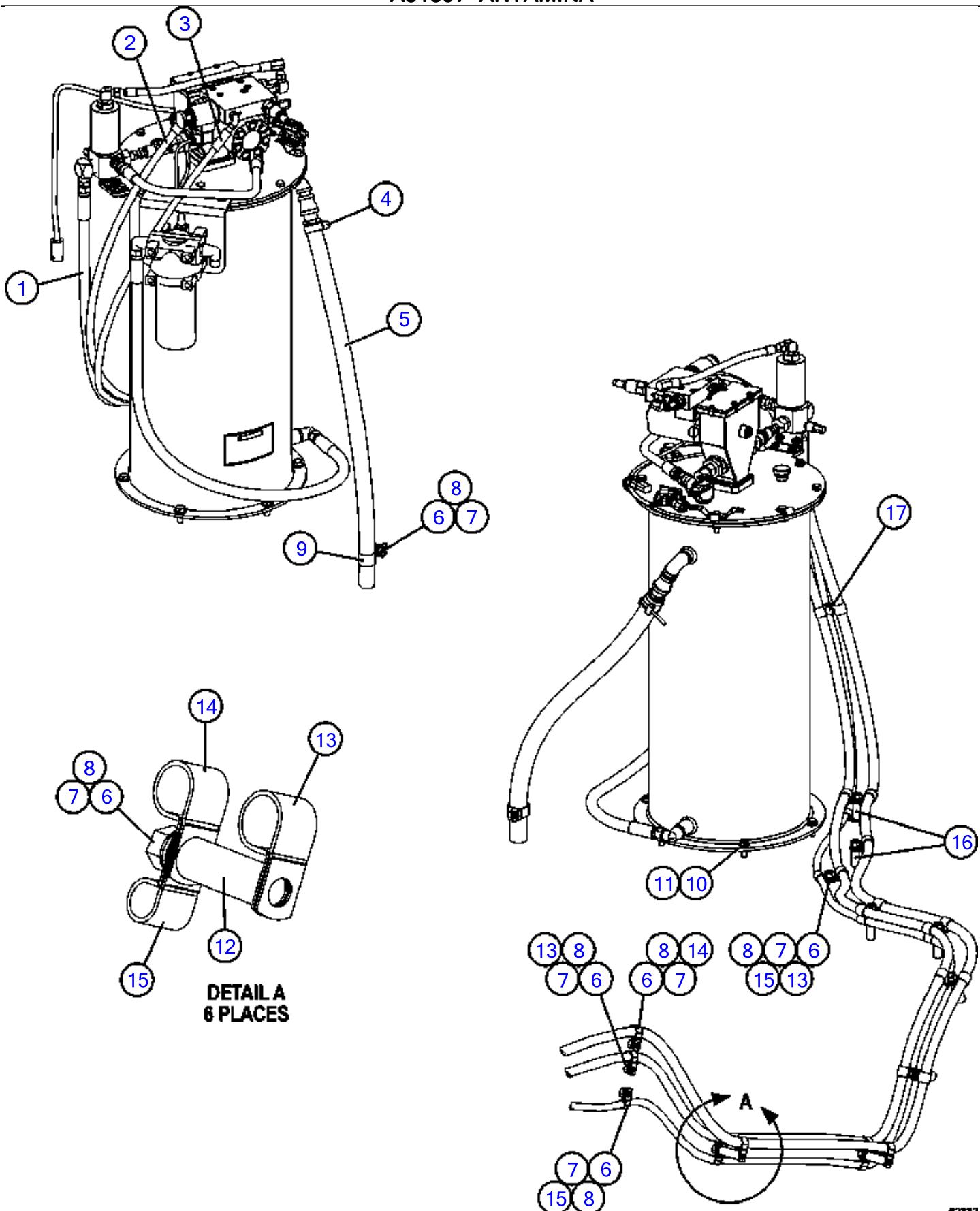


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 A31597 ANTAMINA

## AUTOMATIC LUBRICATION PUMP SUB-ASSEMBLY

Item	Part No	Description	Qty	Page
1	WB0535	FITTING, ELBOW - 45 DEG	1	
2	F4037	FITTING, PIPE	1	
3	E2579	NIPPLE, CLOSE	1	
4	SD5214	FITTING, PIPE	1	
5	TG9242	CONNECTOR	1	
6	EM5618	HARNESS, AUTO LUBE	1	
7	PC2434	SWITCH, PRESSURE	1	
8	PC2373	LUBE PUMP/CONTAINER (SEE INDEX)	1	578
9	PC0811	FILTER, HYDRAULIC (SEE INDEX)	1	586
10	WA4726	FLAT WASHER - 3/8" (HARDENED)	6	
11	C1602	CAPSCREW - 3/8" - 16NC X 1"	4	
12	WB0268	FITTING, ELBOW - 90 DEG	3	
13	WB3098	CLAMP, CUSHIONED - 3/8"	3	
14	08193-20012	CLIP	3	
15	C1604	CAPSCREW - 3/8" - 16NC X 1 1/2"	3	
16		DECAL, WARNING - GREASE FILL	1	
17	WB0499	FITTING, ELBOW - 90 DEG	1	
18	EJ0966	BRACKET, MOUNTING	1	
19	HA5843	HOSE	1	
20	WB0466	FITTING, STRAIGHT	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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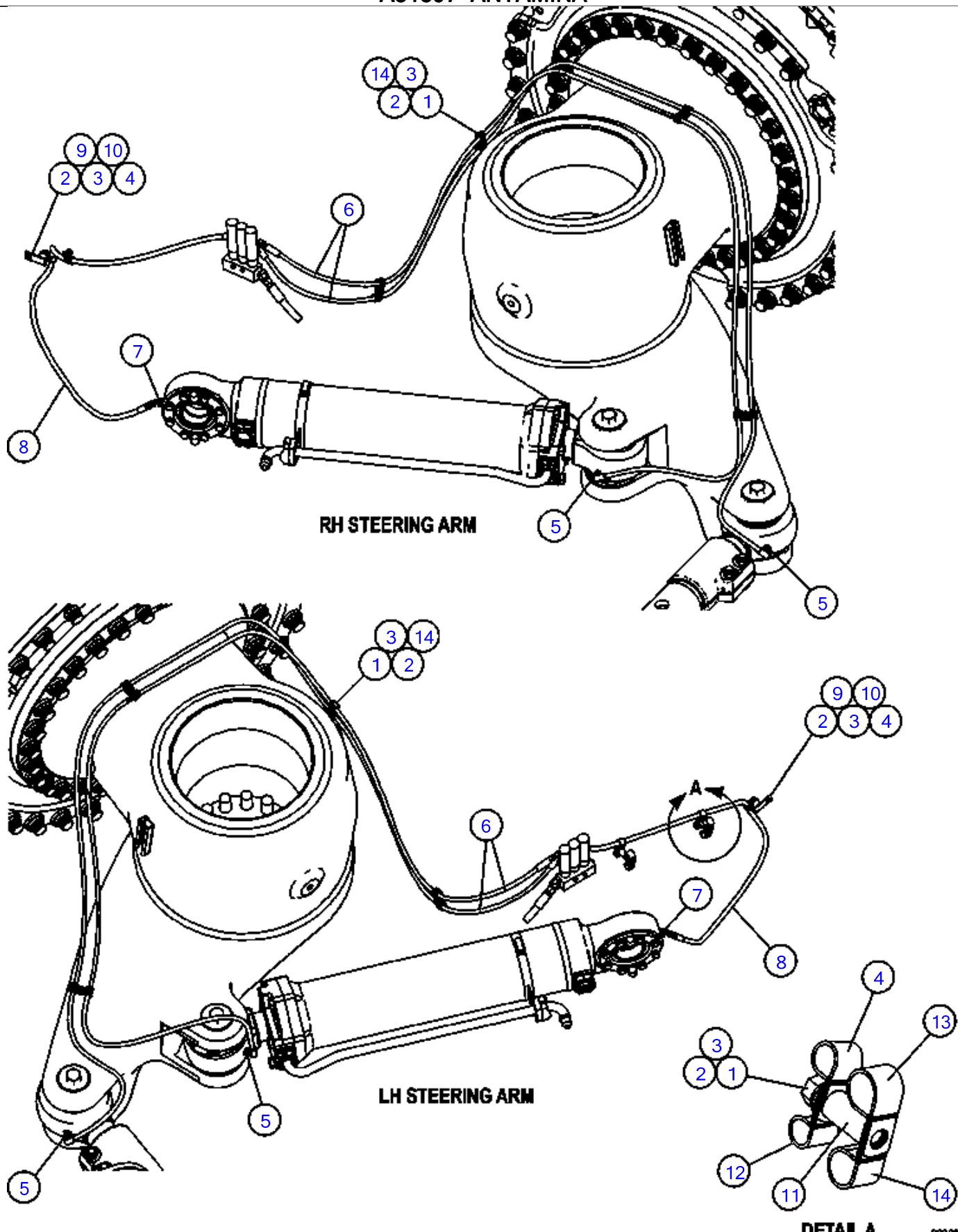


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 A31597 ANTAMINA

### AUTOMATIC LUBRICATION SYSTEM 1/4

Item	Part No	Description	Qty
1	HA8248	HOSE	2
2	HA7321	HOSE	1
3	HA8445	HOSE	1
4	CD8419	CLAMP, WORM DRIVE	1
5	EJ1518	HOSE	1
6	MM0178	NUT - M10 X 1.50	14
7	MM0471	LOCKWASHER - M10	14
8	MM0461	FLAT WASHER - M10	14
9	WB1305	CLAMP, CUSHIONED - 1 1/2"	1
10	TG5722	CAPSCREW - 7/16" - 14NC X 1"	6
11	TD0795	LOCKWASHER - 7/16"	6
12	EK9883	SPACER	6
13	WB3855	CLAMP, CUSHIONED - 13/16"	10
14	WB1303	CLAMP, CUSHIONED - 3/4"	10
15	WB1304	CLAMP, CUSHIONED - 9/16"	10
16	TY8375	SPACER	2
17	MM0606	CAPSCREW - M10 X 1.50 X 30	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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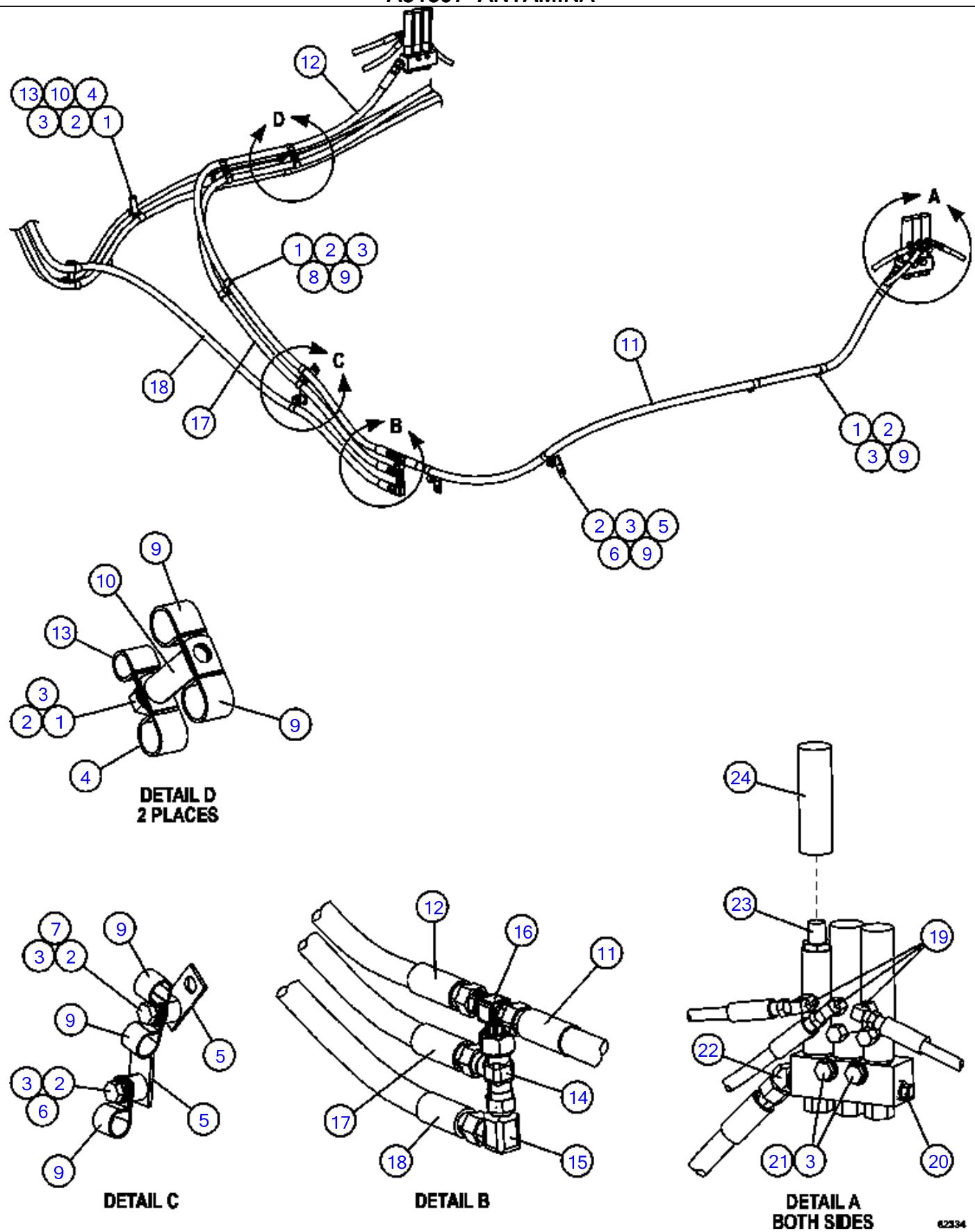


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 A31597 ANTAMINA

### AUTOMATIC LUBRICATION SYSTEM 2/4

Item	Part No	Description	Qty
1	MM0178	NUT - M10 X 1.50	11
2	MM0471	LOCKWASHER - M10	13
3	MM0461	FLAT WASHER - M10	13
4	WB1300	CLAMP, CUSHIONED - 5/8"	21
5	WB0574	FITTING, STRAIGHT	4
6	HA8694	HOSE	4
7	WB0531	FITTING, ELBOW - 45 DEG	2
8	HA0570	HOSE	2
9	MM0604	CAPSCREW - M10 X 1.50 X 20	2
10	426-06-11570	BRACKET, CLAMP	2
11	TY8375	SPACER	2
12	WB1304	CLAMP, CUSHIONED - 9/16"	2
13	WB3855	CLAMP, CUSHIONED - 13/16"	2
14	WB1303	CLAMP, CUSHIONED - 3/4"	2

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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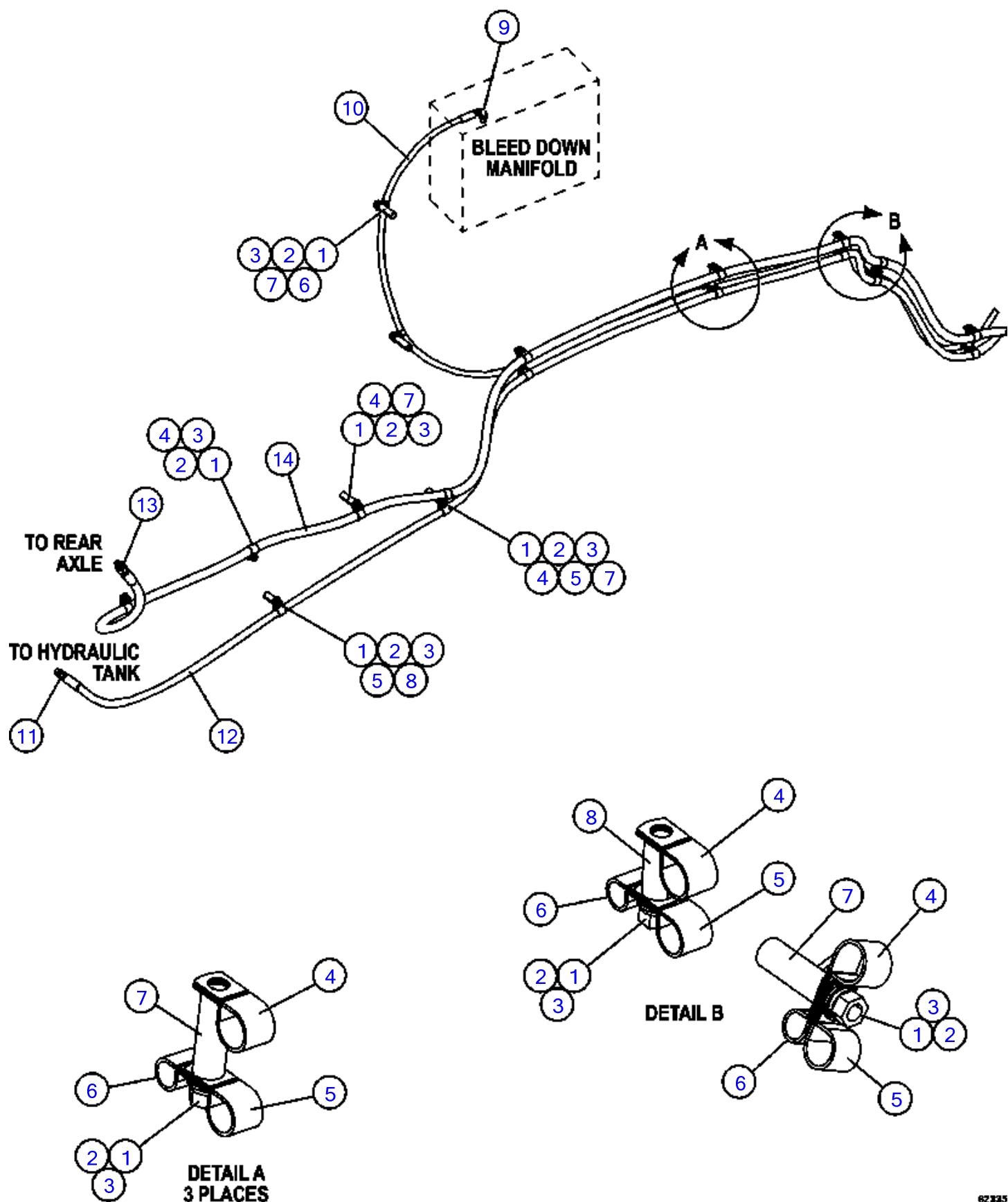


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### AUTOMATIC LUBRICATION SYSTEM 3/4

Item	Part No	Description	Qty
1	MM0178	NUT - M10 X 1.50	6
2	MM0471	LOCKWASHER - M10	10
3	MM0461	FLAT WASHER - M10	14
4	WB1303	CLAMP, CUSHIONED - 3/4"	3
5	426-06-11570	BRACKET, CLAMP	4
6	MM0604	CAPSCREW - M10 X 1.50 X 20	3
7	MM0605	CAPSCREW - M10 X 1.50 X 25	1
8	MM0606	CAPSCREW - M10 X 1.50 X 30	1
9	WB3855	CLAMP, CUSHIONED - 13/16"	13
10	EK9883	SPACER	3
11	HA6752	HOSE	1
12	58F-60-00060	HOSE	1
13	WB1304	CLAMP, CUSHIONED - 9/16"	3
14	WB0418	FITTING, TEE	1
15	WB0375	FITTING, ELBOW - 90 DEG	1
16	WB0391	FITTING, TEE	1
17	HA8248	HOSE	1
18	HA8452	HOSE	1
19	WB0252	FITTING, ELBOW - 90 DEG	6
20	C5770	PLUG, PIPE - 3/8"	2
21	MM0609	CAPSCREW - M10 X 1.50 X 45	4
22	WB0289	FITTING, ELBOW - 45 DEG	2
23	TA4410	INJECTOR ASSEMBLY	2
	VS1947	• INJECTOR	6
24	VW7990	CAP, PROTECTIVE	6

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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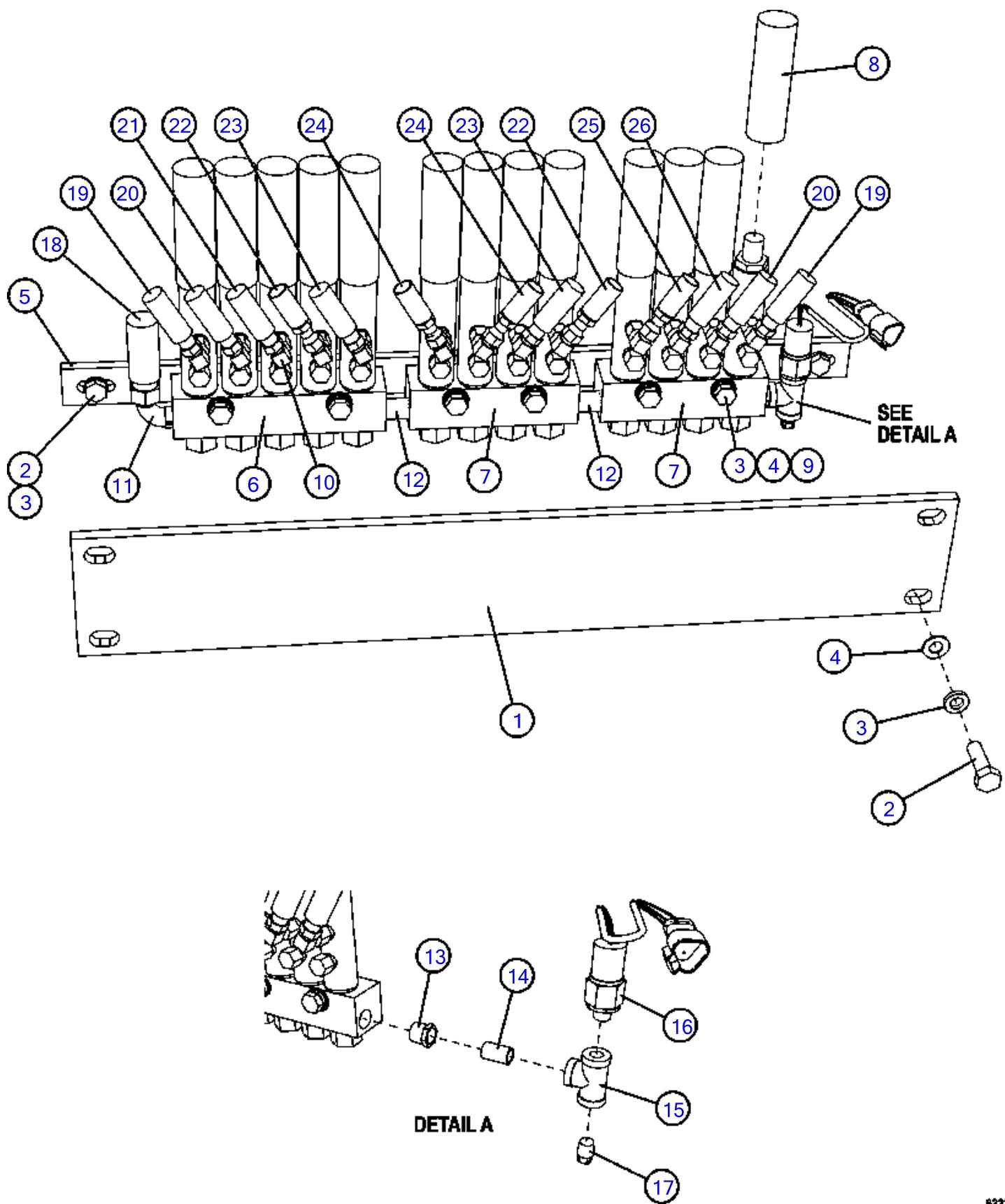


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 A31597 ANTAMINA

### AUTOMATIC LUBRICATION SYSTEM 4/4

Item	Part No	Description	Qty
1	MM0178	NUT - M10 X 1.50	12
2	MM0471	LOCKWASHER - M10	12
3	MM0461	FLAT WASHER - M10	12
4	WB3855	CLAMP, CUSHIONED - 13/16"	9
5	WB1303	CLAMP, CUSHIONED - 3/4"	7
6	WB1304	CLAMP, CUSHIONED - 9/16"	7
7	EK9883	SPACER	7
8	TY8375	SPACER	2
9	WB0501	FITTING, ELBOW - 90 DEG	1
10	HA8445	HOSE	1
11	WB0581	FITTING, STRAIGHT	1
12	HA7321	HOSE	1
13	WB0403	FITTING, UNION	1
14	HA8452	HOSE	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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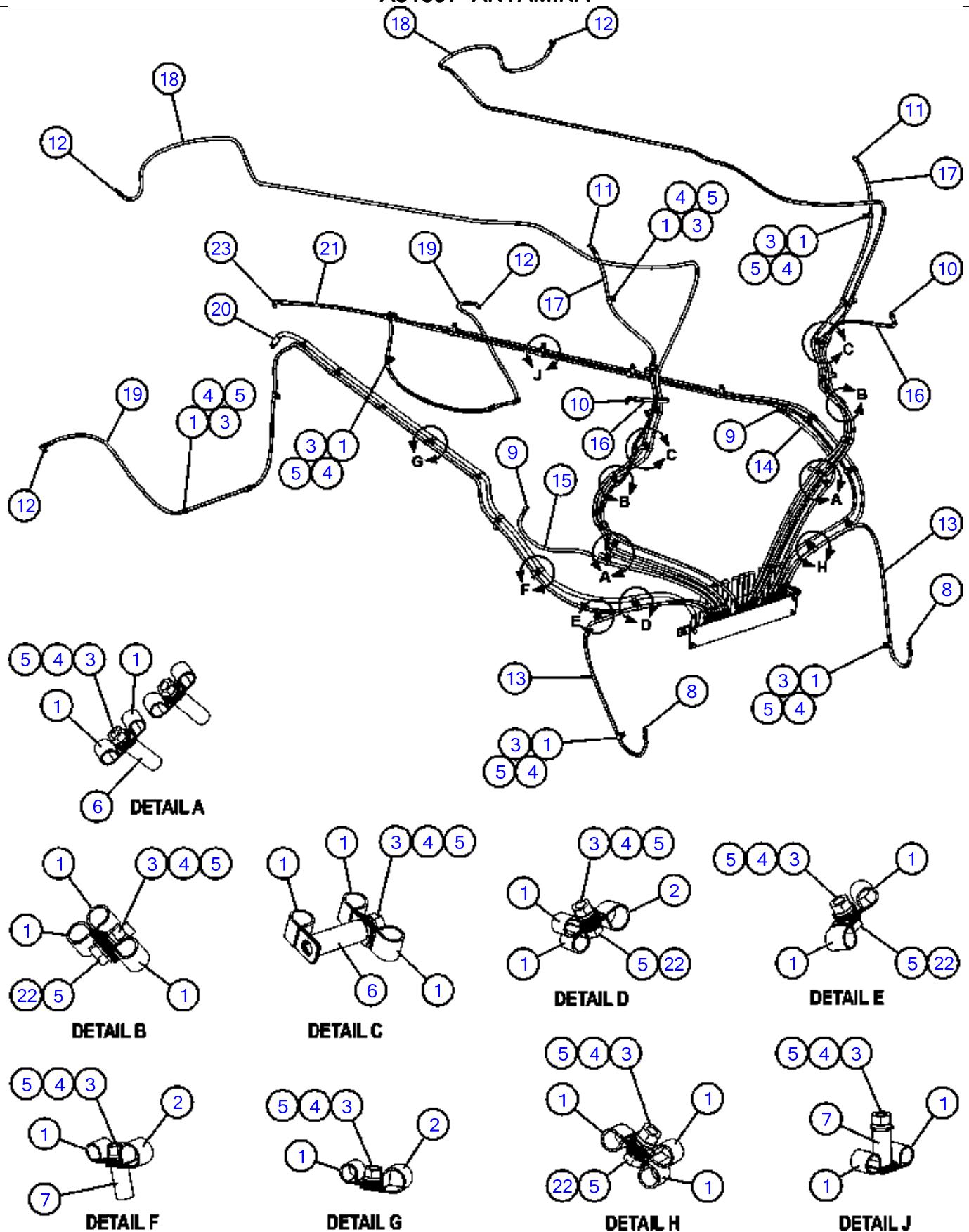


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 A31597 ANTAMINA

## AUTOMATIC LUBRICATION SYSTEM - REAR AXLE 1/2

Item	Part No	Description	Qty
1	EG0583	PLATE, COVER	1
2	MM0606	CAPSCREW - M10 X 1.50 X 30	6
3	MM0471	LOCKWASHER - M10	12
4	MM0461	FLAT WASHER - M10	10
5	EJ4053	PLATE, MOUNTING	1
6	TA4411	INJECTOR, REAR (5 PIECE) (1)	1
	XA2520	• NIPPLE & CAP ASSEMBLY	5
7	VW7989	INJECTOR, REAR (4-PIECE) (1)	2
	XA2520	• NIPPLE & CAP ASSEMBLY	8
8	VW7990	CAP, PROTECTIVE	13
9	MM0611	CAPSCREW - M10 X 1.50 X 60	6
10	WB0252	FITTING, ELBOW - 90 DEG	13
11	WB0262	FITTING, ELBOW - 90 DEG	1
12	TB8803	NIPPLE, PIPE - 3/8"	2
13	R0086	BUSHING, PIPE - 1/4" X 3/8"	1
14	R2510	NIPPLE	1
15	R2508	FITTING, TEE	1
16	PC1654	SWITCH, PRESSURE	1
17	C5769	PLUG, PIPE - 1/4"	1
18	HA6448	HOSE (TO UNION FITTING)	1
19	HA1413	HOSE (TO BOTTOM OF REAR SUSPENSIONS)	2
20	58D-60-00030	HOSE (TO BOTTOM OF HOIST CYLINDERS)	2
21	HA1413	HOSE (TO L.H. END OF SWAY BAR)	1
22	HA0197	HOSE (TO TOP OF REAR SUSPENSIONS)	2
23	VD4661	HOSE (TO BODY PIVOT PINS)	2
24	HA0394	HOSE (TO TOP OF HOIST CYLINDERS)	2
25	HA0570	HOSE (TO R.H. END OF SWAY BAR)	1
26	HA2995	HOSE (TO REAR AXLE PIVOT)	1
NS		NOTE: (1) FOR SINGLE INJECTOR, ORDER VS1947.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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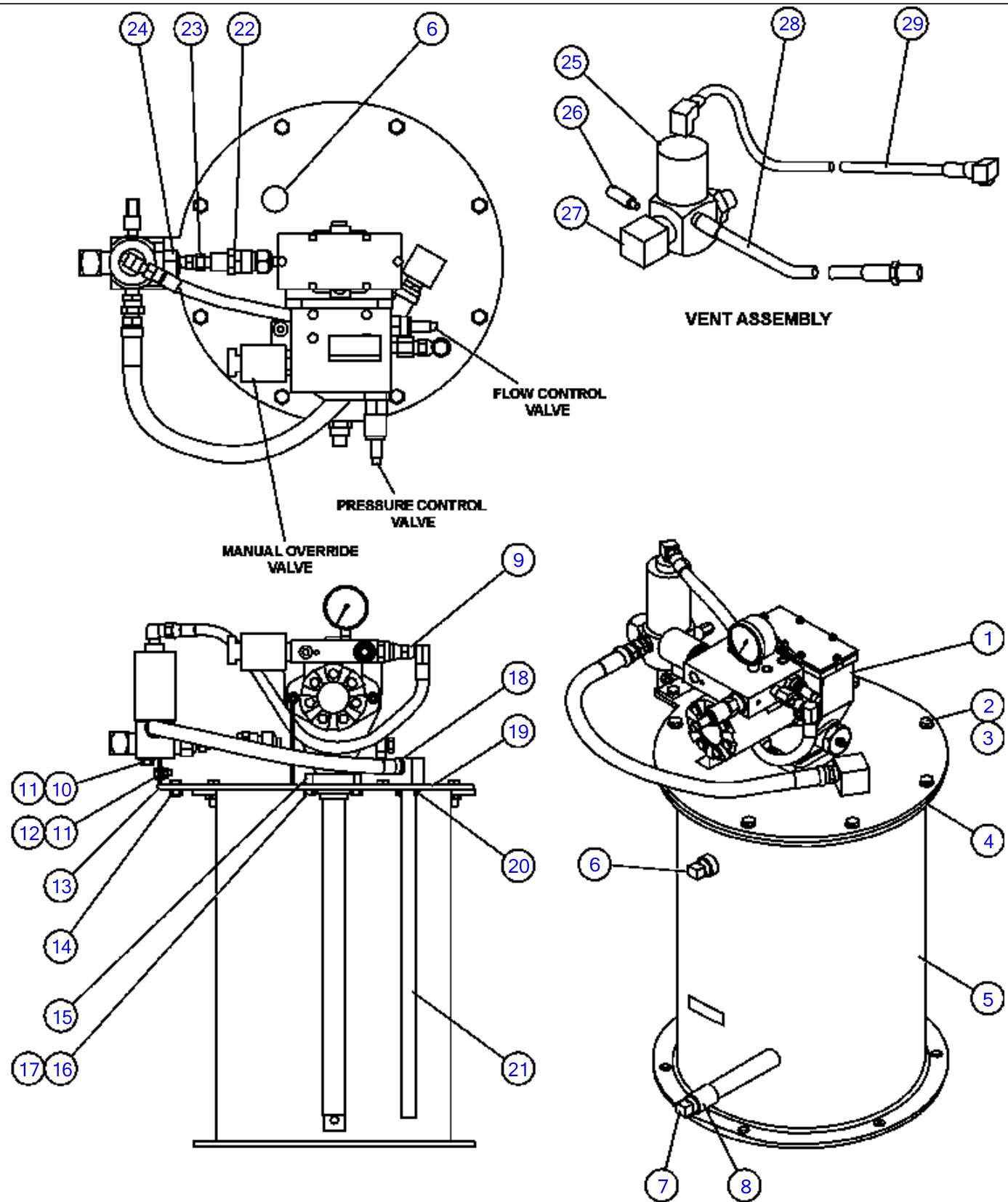


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 A31597 ANTAMINA

## AUTOMATIC LUBRICATION SYSTEM - REAR AXLE 2/2

Item	Part No	Description	Qty
1	WB1300	CLAMP, CUSHIONED - 5/8"	77
2	WB3092	CLAMP, CUSHIONED - 7/8"	8
3	MM0178	NUT - M10 X 1.50	42
4	MM0471	LOCKWASHER - M10	42
5	MM0461	FLAT WASHER - M10	50
6	EK9883	SPACER	10
7	TY8375	SPACER	8
8	WB0574	FITTING, STRAIGHT	2
9	WB0281	FITTING, ELBOW - 45 DEG	2
10	WB0499	FITTING, ELBOW - 90 DEG	2
11	WB0284	FITTING, ELBOW - 45 DEG	2
12	WB0252	FITTING, ELBOW - 90 DEG	4
13	HA1413	HOSE (TO BOTTOM OF REAR SUSPENSIONS)	2
14	HA0570	HOSE (TO R.H. END OF SWAY BAR)	1
15	HA1413	HOSE (TO L.H. END OF SWAY BAR)	1
16	HA0197	HOSE (TO TOP OF REAR SUSPENSIONS)	2
17	VD4661	HOSE (TO BODY PIVOT PINS)	2
18	HA0394	HOSE (TO TOP OF HOIST CYLINDERS)	2
19	58D-60-00030	HOSE (TO BOTTOM OF HOIST CYLINDERS)	2
20	HA6448	HOSE (TO UNION FITTING)	1
21	HA2995	HOSE (TO REAR AXLE PIVOT)	1
22	MM0606	CAPSCREW - M10 X 1.50 X 30	6
23	WB0255	FITTING, ELBOW - 90 DEG	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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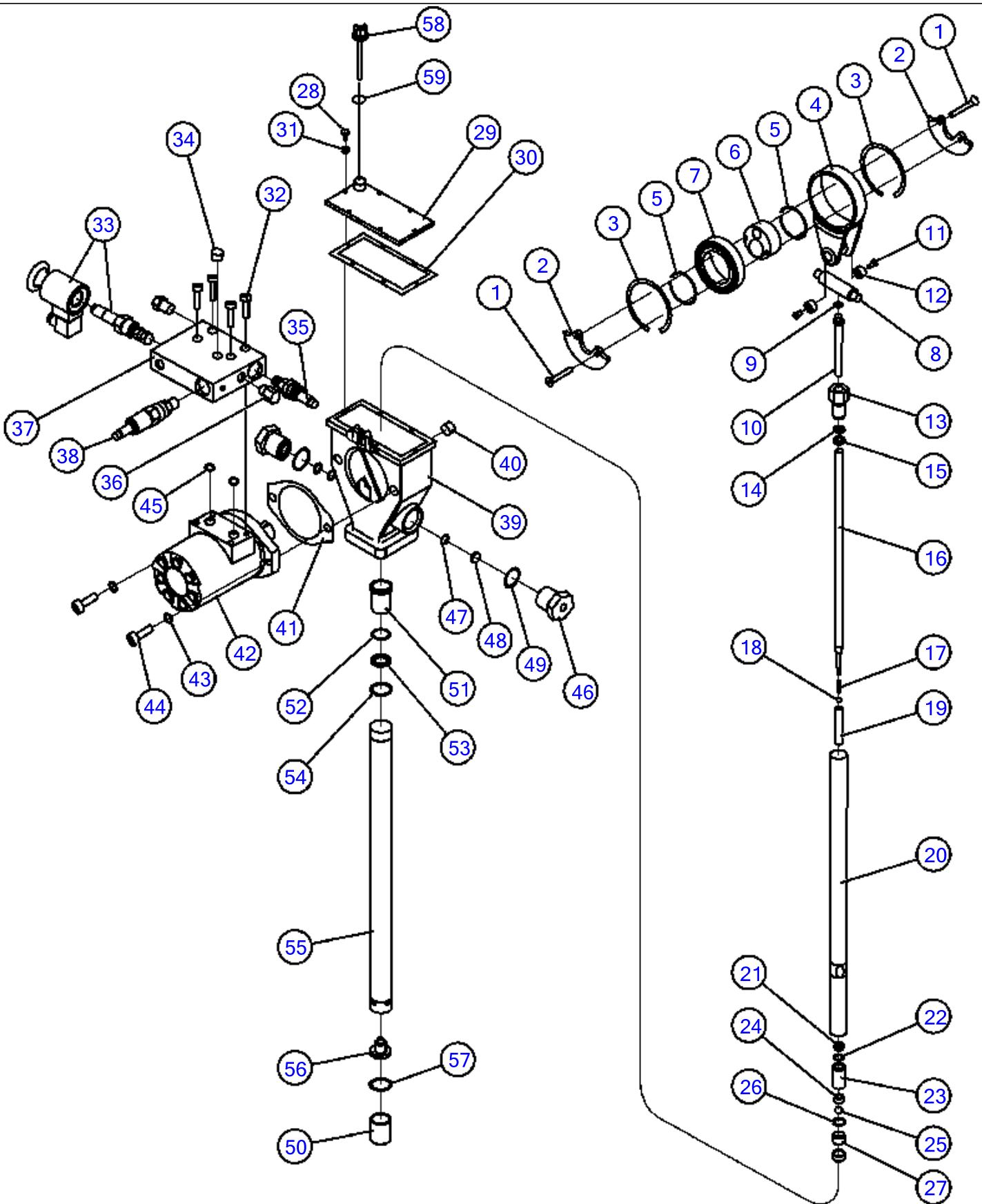


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 A31597 ANTAMINA

**LUBE PUMP/CONTAINER ASSEMBLY      PC2373**

Item	Part No	Description	Qty	Page
1	XA4126	LUBE PUMP ASSEMBLY (SEE INDEX)	1	580
2	BF5439	CAPSCREW	5	
3	LA1212	LOCKWASHER	5	
4	BF5440	GASKET	1	
5	XA1986	CONTAINER ASSEMBLY (90 LB.)	1	
6	BF5442	PLUG, PIPE (VENT)	2	
7	BF5443	PLUG, PIPE (FILL)	1	
8	BF5435	TUBE, EXTENSION	1	
9	BF5425	ELBOW	1	
10	BF5085	CAPSCREW	2	
11	BF5084	LOCKWASHER	6	
12	BF5423	CAPSCREW	4	
13	BF5424	BRACKET	2	
14	BF5436	NUT	4	
15	BF5450	GASKET	1	
16	BF5447	SCREW	4	
17	BF5086	NUT	4	
18	BF5449	ELBOW	1	
19	BF5422	COVER	1	
20	XA1988	GASKET	1	
21	XA1985	PIPE, VENT	1	
22	LA1187	VALVE, CHECK (SEE INDEX)	1	582
23	BF5445	UNION	1	
24	BF5082	NIPPLE	1	
25	LA0912	VALVE, VENT (SEE INDEX)	1	584
26	LA0605	UNLOADER, SAFETY	1	
27	BF2446	ELBOW	1	
28	BF5426	HOSE	1	
29	XA1983	HOSE	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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**A31597 ANTAMINA**



AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31597 ANTAMINA

### LUBE PUMP ASSEMBLY (SERIES B)

XA4126

Item	Part No	Description	Qty
1	BF5470	SCREW, FLAT HEAD	2
2	BF5471	WEIGHT, OUTER	2
3	BF5473	RING, RETAINING	2
4	BF5474	CRANKROD	1
5	BF5511	RING, RETAINING	2
6	BF5475	CRANK, ECCENTRIC	1
7	BF5476	BEARING, BALL	1
8	BF5477	PIN, OUTLET	1
9		O-RING (1)	1
10	BF5478	TUBE, PLUNGER	1
11	58F-90-00050	SCREW, BUTTON HEAD	2
12	58F-90-00130	BUSHING, WRIST PIN	2
13	58F-90-00140	ANCHOR, WRIST PIN	1
14		WASHER, BACKUP (1)	1
15		SEAL, CUP (1)	1
16	58F-90-00080	PLUNGER, ROD	1
17	BF5483	SPRING	1
18	LA0906	BALL, STEEL	1
19	58F-90-00150	PLUNGER	1
20	58F-90-00060	TUBE, RECIPRICATION	1
21		SEAL, CUP (1)	1
22		O-RING (1)	1
23	BF5486	CYLINDER	1
24	58F-90-00160	CAGE, BALL	1
25	BF3823	BALL, STEEL	1
26		O-RING (1)	1
27	BF5488	SEAT, CHECK	1
28	BF5489	SCREW, SELF-TAPPING	6
29	PC3292	COVER, HOUSING	1
30	PC3293	GASKET, COVER	1
31		GASKET (1)	6
32	BF5492	SCREW, SOCKET HEAD	4
33	PC2436	SWITCH, OVERRIDE (2)	1
	XA4127	· SEAL KIT	1
34	C5769	PLUG, PIPE - 1/4"	1
35	PC1769	VALVE, FLOW CONTROL	1
	BF5509	· SEAL KIT	1
36	BF5510	FITTING, ORIFICE	1
37	XA2018	MANIFOLD	1
38	PC1770	VALVE, PRESSURE REDUCING	1
	BF5508	· SEAL KIT	1
39	BF5501	HOUSING, PUMP	1
40	BF5500	PLUG, PIPE	1
41		GASKET (1)	1
42	BF5498	MOTOR, HYDRAULIC (INCLUDES REF. NOS. 40 & 41)	1
43	XA2147	WASHER	2
44	BF5499	SCREW, SOCKET HEAD	2
45		O-RING (1)	2
46	BF5502	NUT	2
47		RING, BACKUP (1)	2
48		O-RING (1)	2
49		O-RING (1)	2
50	XA2148	STRAINER, INLET	1
51	BF5503	BEARING, BRONZE	1
52		O-RING (1)	1

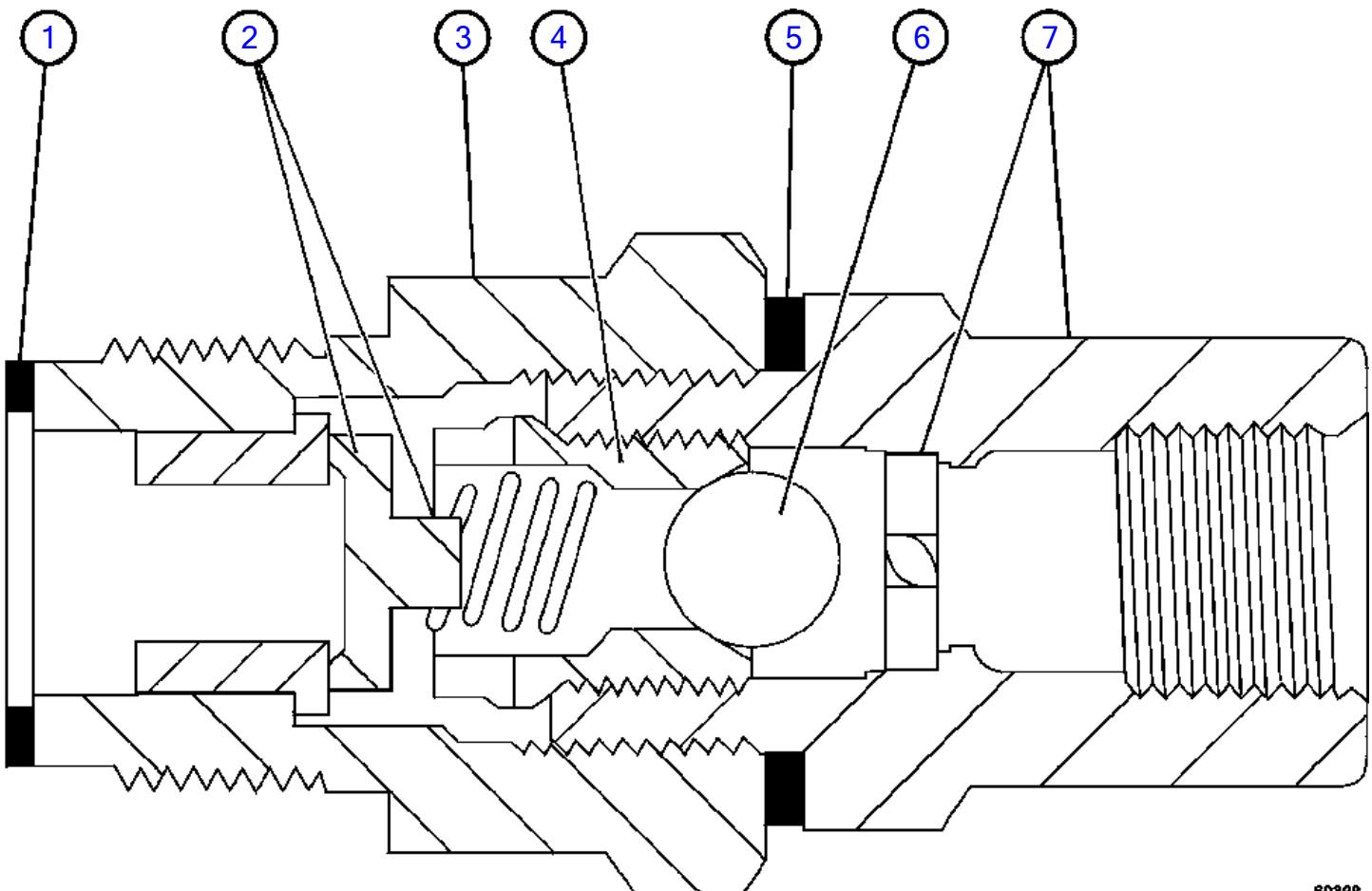
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 A31597 ANTAMINA

**LUBE PUMP ASSEMBLY (SERIES B)**

**XA4126**

Item	Part No	Description	Qty
53		WASHER, BACKUP (1)	1
54		O-RING (1)	1
55	58F-90-00070	TUBE, HOUSING	1
56	BF5505	PLUG, SHOVEL	1
57	BF5506	RING, RETAINING	1
58	PC3290	DIPSTICK	1
59	PC3291	O-RING	1
NS	58F-90-00120	NOTE: (1) NOT SERVICED SEPARATELY. INCLUDED IN 58F-90-00120 SEAL KIT. (2) SOLENOID NOT SERVICED SEPARATELY.	1
NS			
NS			

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



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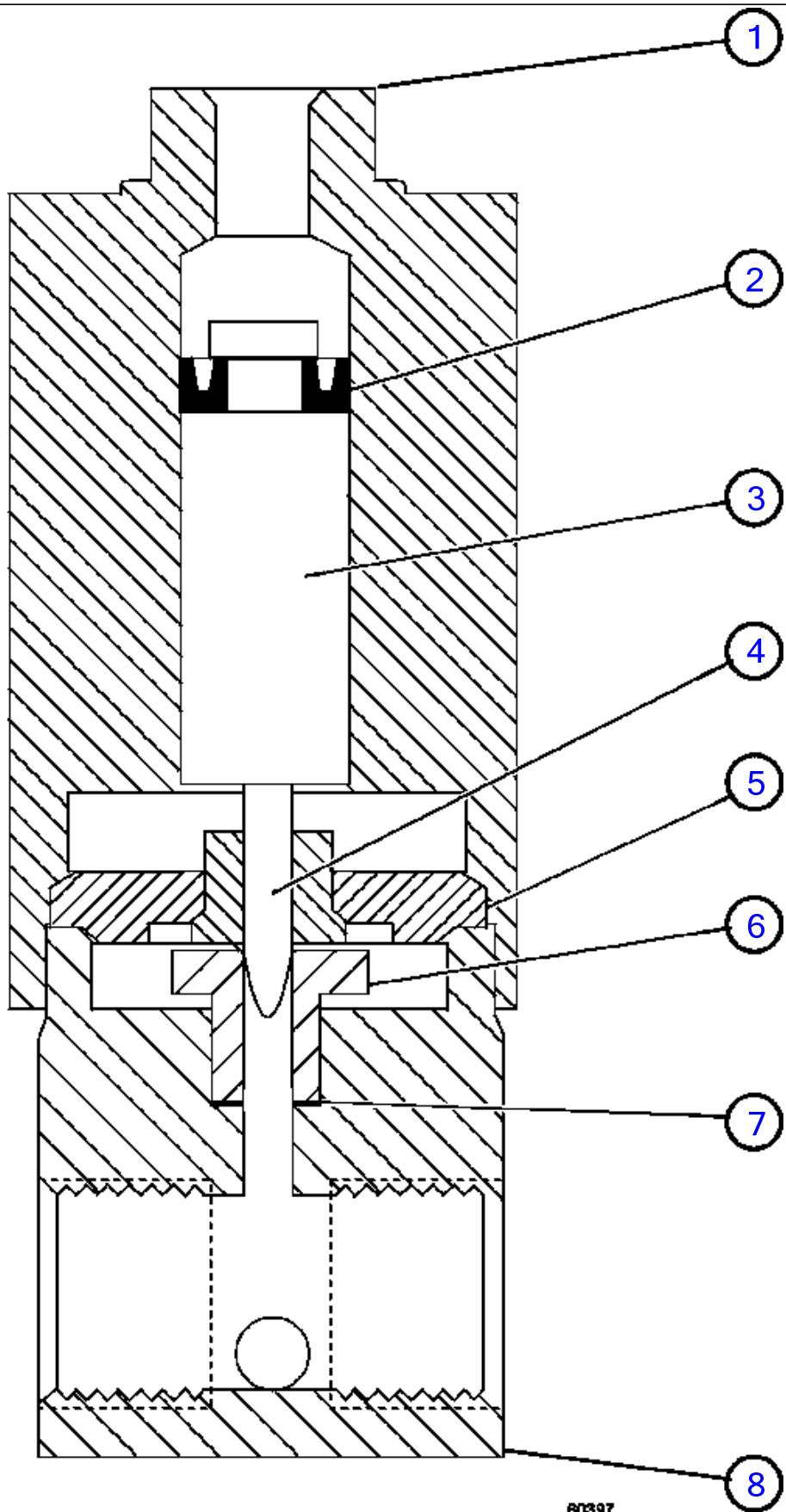
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**CHECK VALVE ASSEMBLY**

**LA1187**

Item	Part No	Description	Qty
1	BF3822	GASKET	1
2	BF3824	PUMP/CHECK ASSEMBLY	1
3	BF3825	OUTLET, CHECK BUS	1
4	BF3820	SEAT, BALL CHECK	1
5	BF3821	GASKET	1
6	BF3823	BALL, STEEL	1
7	BF3826	OUTLET/CONNECTOR ASSEMBLY	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



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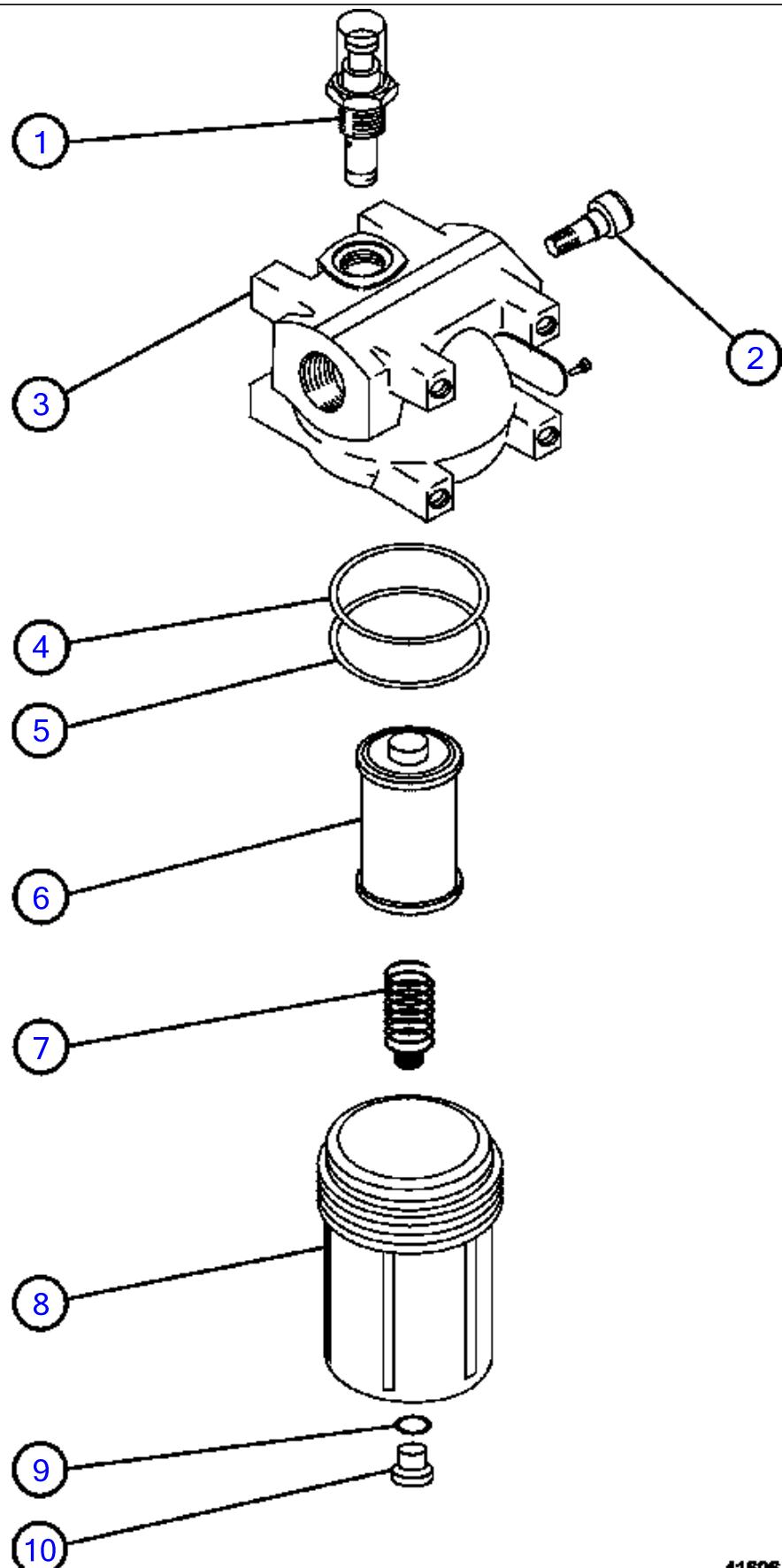
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 A31597 ANTAMINA

**VENT VALVE ASSEMBLY**

**LA0912**

Item	Part No	Description	Qty
1	LA0913	CYLINDER	1
2	LA0914	U-CUP	1
3	BF5432	PISTON	1
4	VJ8523	NEEDLE	1
5	LA0641	PACKING, VALVE	1
6	VJ8524	SEAT, VALVE	1
7	LA0662	GASKET	1
8	LA0916	BODY	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA

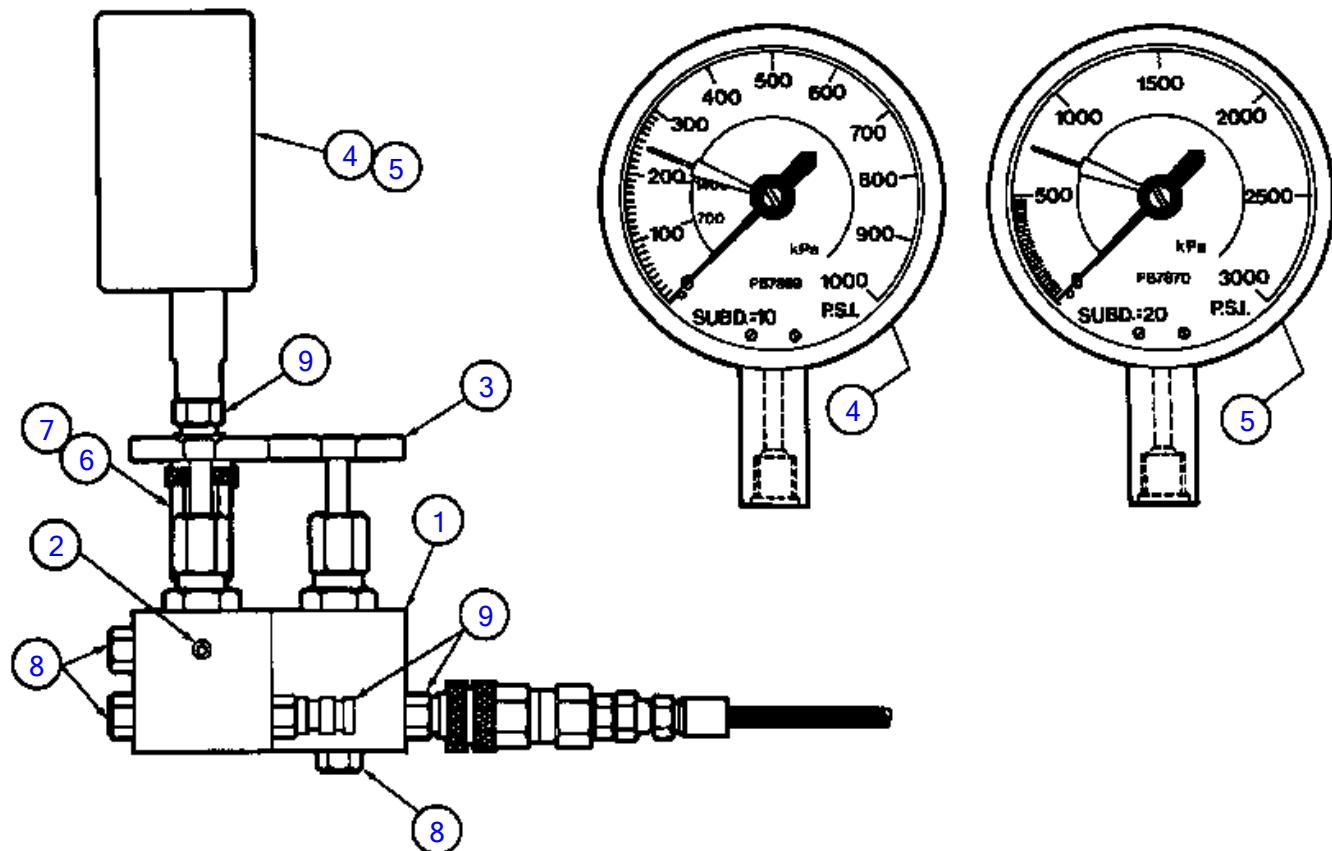
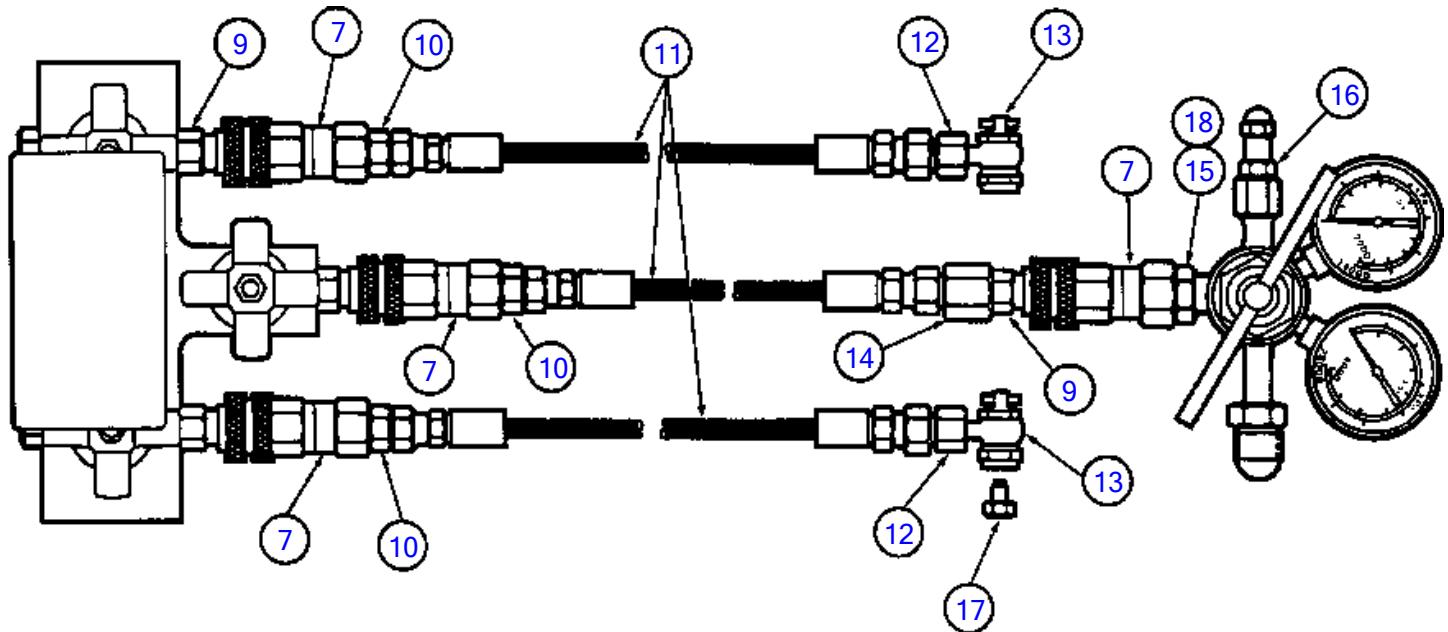


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 A31597 ANTAMINA

**HYDRAULIC FILTER ASSEMBLY PC0811**

Item	Part No	Description	Qty
1	BF5456	INDICATOR	1
2	BF5457	VALVE, BYPASS	1
3	BF5458	HOUSING	1
4	BF5459	O-RING	1
5	BF5460	RING, BACKUP	1
6	BF5461	ELEMENT, FILTER	1
7	BF5462	SPRING, ELEMENT	1
8	BF5463	BOWL	1
9	BF5464	O-RING	1
10	BF5465	PLUG	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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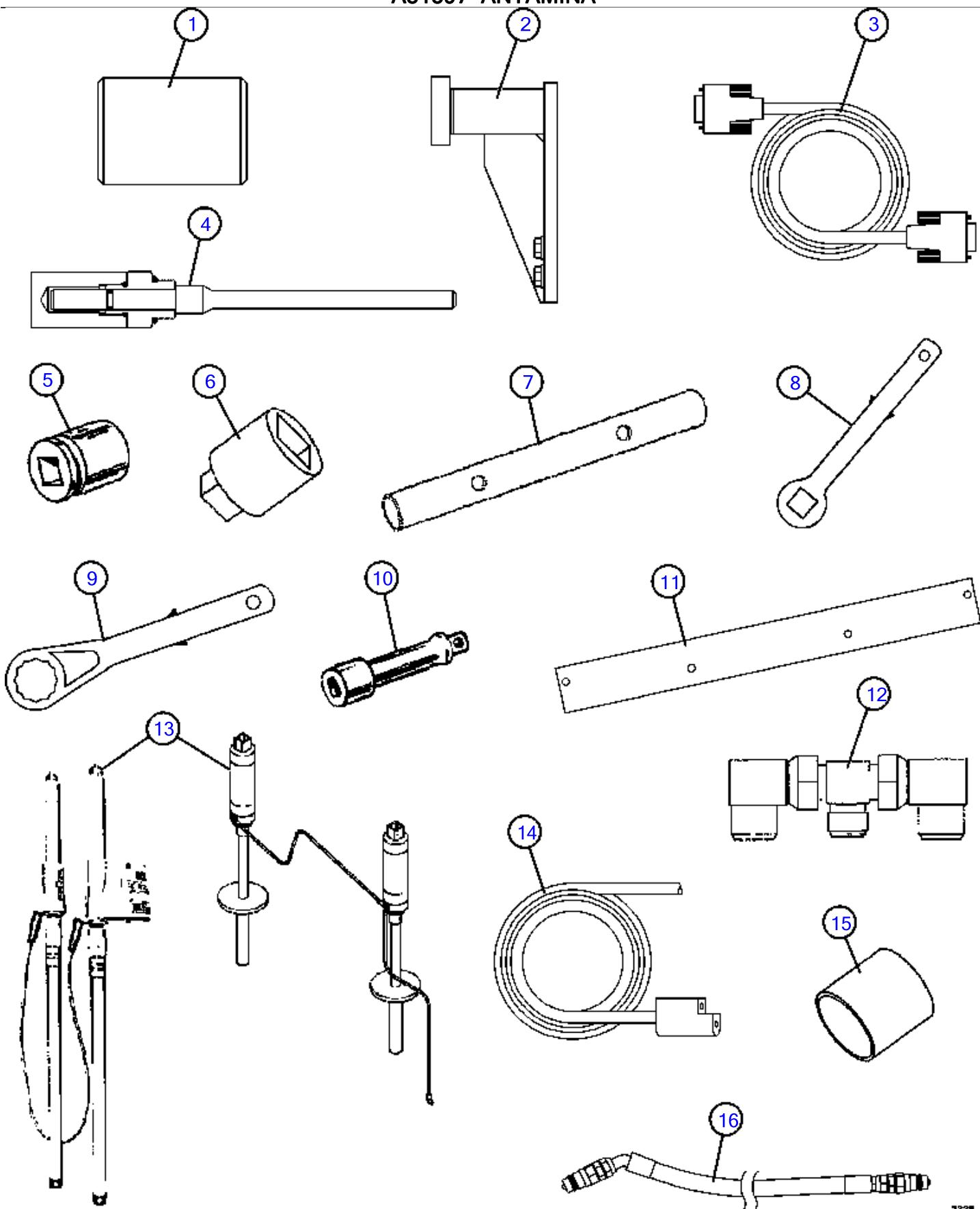
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**CHARGING MANIFOLD ASSEMBLY EB1759**

Item	Part No	Description	Qty
1	EB1756	MANIFOLD, CONTROL	1
2	SD5215	SETSCREW	2
3	PB7883	VALVE, NEEDLE	3
4	PC3111	GAUGE, PRESSURE	1
5	PC3112	GAUGE, PRESSURE	1
6	WA1724	UNION	1
7	PB7871	COUPLING, FEMALE QUICK DISCONNECT	5
8	VM0313	PLUG, O-RING BOSS	4
9	PB7872	COUPLING, MALE QUICK DISCONNECT	6
10	TF5190	FITTING, TUBE CONNECTOR	3
11	HA5694	HOSE	3
12	WA2594	FITTING	2
13	VC5227	CONNECTION, VALVE	2
14	WA3081	FITTING (SPECIAL)	1
15	EB1757	FITTING	1
16	PB5866	REGULATOR, NITROGEN	1
17	SS0189	ADAPTER	1
18	TF5194	O-RING	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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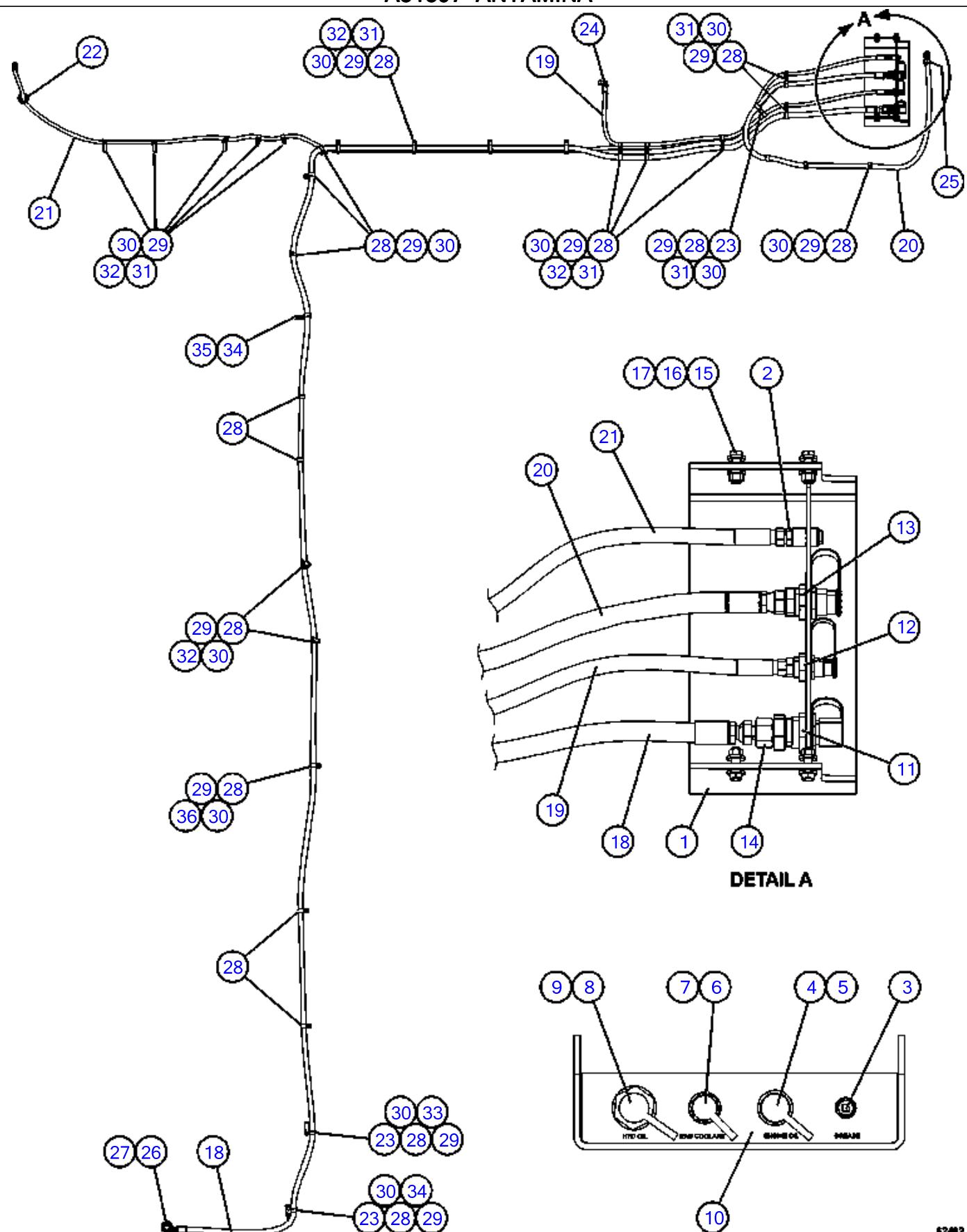


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A31597 ANTAMINA**

**TOOL GROUP      58F-98-00020**

Item	Part No	Description	Qty
1	EH4638	TOOL, SLEEVE ALIGNMENT	1
2	EH8687	ROLLER ASSEMBLY	2
	EH8681	• MOUNT, ROLLER	1
	PC0706	• BEARING	1
	TG9449	• RING, RETAINING (BEARING)	1
	TG1680	• RING, RETAINING (ROLLER RING)	2
	C1645	• CAPSCREW - 3/4" - 10NC X 2 1/4"	6
	C1542	• LOCKWASHER - 3/4"	6
	EH8686	• RING, ROLLER	1
3	PC2525	HARNESS, PAYLOAD METER DOWNLOAD	1
4	EF9302	WEAR INDICATOR ASSEMBLY	4
	EB1723	• CAP, INDICATOR	4
	EF9301	• PIN, WEAR INDICATOR	4
	WA0010	• O-RING, WEAR INDICATOR PIN	4
	TL3995	• O-RING	4
	EB4813	• HOUSING, WEAR INDICATOR	4
	SV9812	• O-RING	4
5	TZ2100	SOCKET - 1 7/8"	1
	TZ2727	SOCKET - 2 1/4"	1
	TZ2729	SOCKET - 1 1/4"	1
6	TZ2730	ADAPTER - 1 1/2" TO 1"	1
	TZ2731	ADAPTER - 1" TO 3/4"	1
7	TZ2733	HANDLE, TUBULAR	1
8	TZ2734	ADAPTER, TORQUE - 3/4"	1
9	PB8326	WRENCH, OFFSET - 1 7/16"	1
10	TR0532	EXTENSION - 8"	1
	TR0533	EXTENSION - 17"	1
11	EK3798	BRAKE ASSEMBLY TOOL GROUP	1
	D9105	• CAPSCREW - 1/2" - 13NC X 8"	4
	ED3757	• BAR, FLAT	2
	ED3758	• PIPE	4
	C1615	• CAPSCREW - 1/2" - 13NC X 1 3/4"	4
	C1540	• LOCKWASHER - 1/2"	8
12	XB7075	FITTING ASSEMBLY	1
13	58B-06-00800	CUSTOM METER KIT (0-2000 VDC)	1
14	PB9067	CONNECTOR, BULKHEAD (BATTERY JUMPER)	2
15	EH7817	TOOL, ALIGNMENT (UPPER HOIST PIN)	1
16	XB5777	HOSE (STEERING SYSTEM FLUSHING)	1
NS		NOTE: NS = NOT SHOWN	
NS	PC3074	BLOCK, FLUSHING (1)	2
NS		NOTE: (1) NOT PART OF TOOL GROUP.	
NS		INCLUDED AS SHIP LOOSE COMPONENT.	

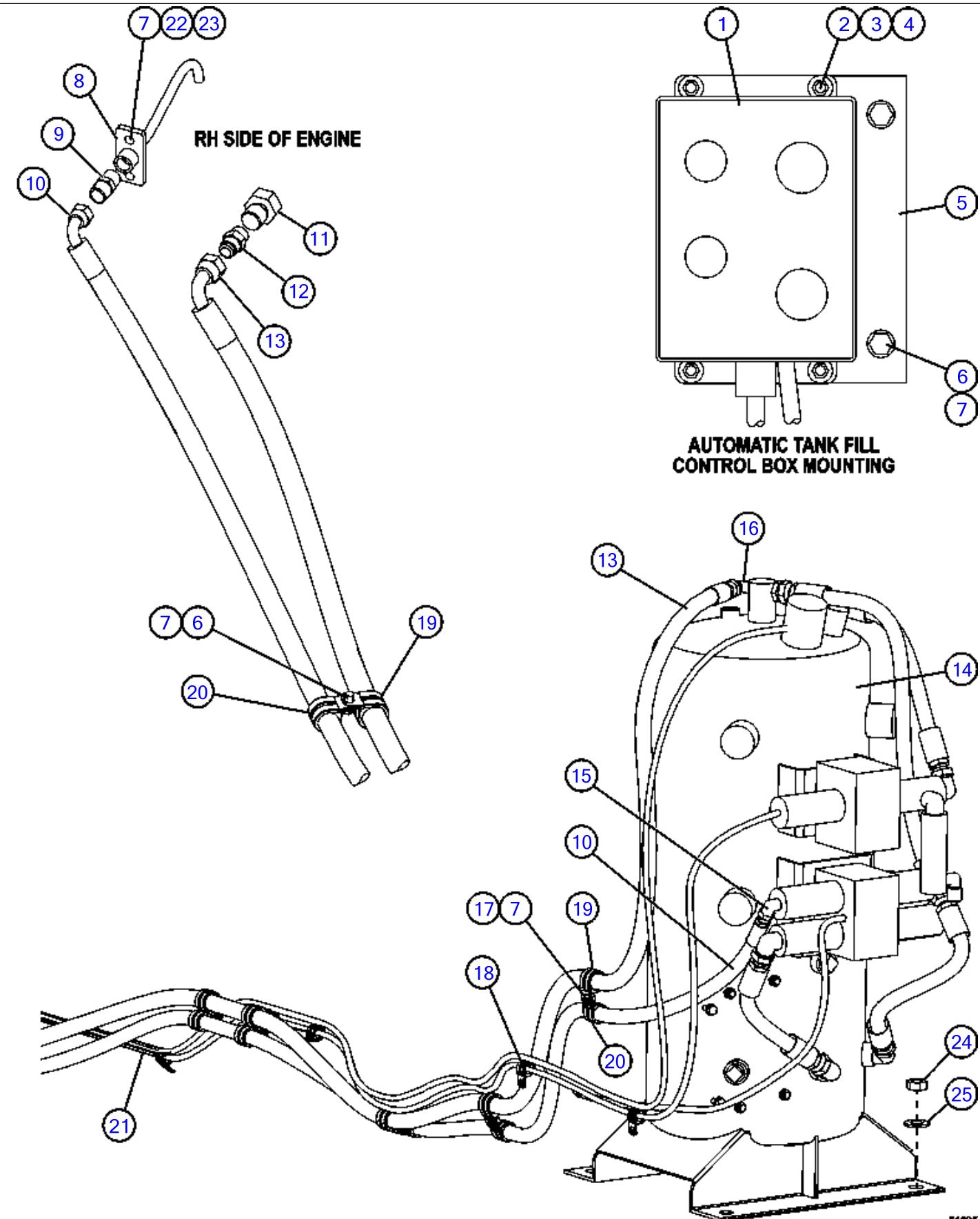
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA  
 SERVICE CENTER - R.H.**

Item	Part No	Description	Qty
1	EJ6559	MOUNT	1
2	WB0466	FITTING, STRAIGHT	1
3	C5771	PLUG, PIPE - 1/2"	1
4	PB9212	RECEIVER ASSEMBLY (ENGINE OIL)	1
5	WB0947	LOCKNUT, BULKHEAD - 1 5/8" - 12NC	1
6	PB9211	RECEIVER ASSEMBLY (COOLANT)	1
7	WB0945	LOCKNUT, BULKHEAD - 1 3/16" - 12NC	1
8	PB9213	RECEIVER ASSEMBLY (HYDRAULIC OIL)	1
9	WB0948	LOCKNUT, BULKHEAD - 1 7/8" - 12NC	1
10	EK7400	DECAL, SERVICE CENTER	1
11	WB0594	FITTING, STRAIGHT	1
12	WB0585	FITTING, STRAIGHT	1
13	WB0600	FITTING, STRAIGHT	1
14	WB0364	FITTING, ADAPTER	1
15	MM0620	CAPSCREW - M12 X 1.75 X 40	4
16	MM0714	FLAT WASHER - M12 (HARDENED)	8
17	MM0179	NUT - M12 X 1.75	4
18	HA8425	HOSE (TO HYDRAULIC TANK)	1
19	HA8427	HOSE (TO RADIATOR)	1
20	HA5740	HOSE (TO ENGINE OIL RESERVE TANK)	1
21	HA8426	HOSE (TO AUTO LUBE PUMP)	1
22	SG3146	GROMMET	1
23	MM0605	CAPSCREW - M10 X 1.50 X 25	3
24	WB0265	FITTING, ELBOW - 90 DEG	1
25	WB0268	FITTING, ELBOW - 90 DEG	1
26	TC8757	BUSHING, PIPE - 2" X 1"	1
27	WB2919	FITTING, ELBOW - 90 DEG	1
28	WB3096	CLAMP, CUSHIONED - 1 1/4"	26
29	MM0461	FLAT WASHER - M10	26
30	MM0178	NUT - M10 X 1.50	26
31	WB3092	CLAMP, CUSHIONED - 7/8"	18
32	EK9883	SPACER	14
33	WB1306	CLAMP, CUSHIONED - 2"	1
34	WA1780	CLAMP, YINYL - 2 7/8"	1
35	EM7532	SPACER	1
36	TY8375	SPACER	1

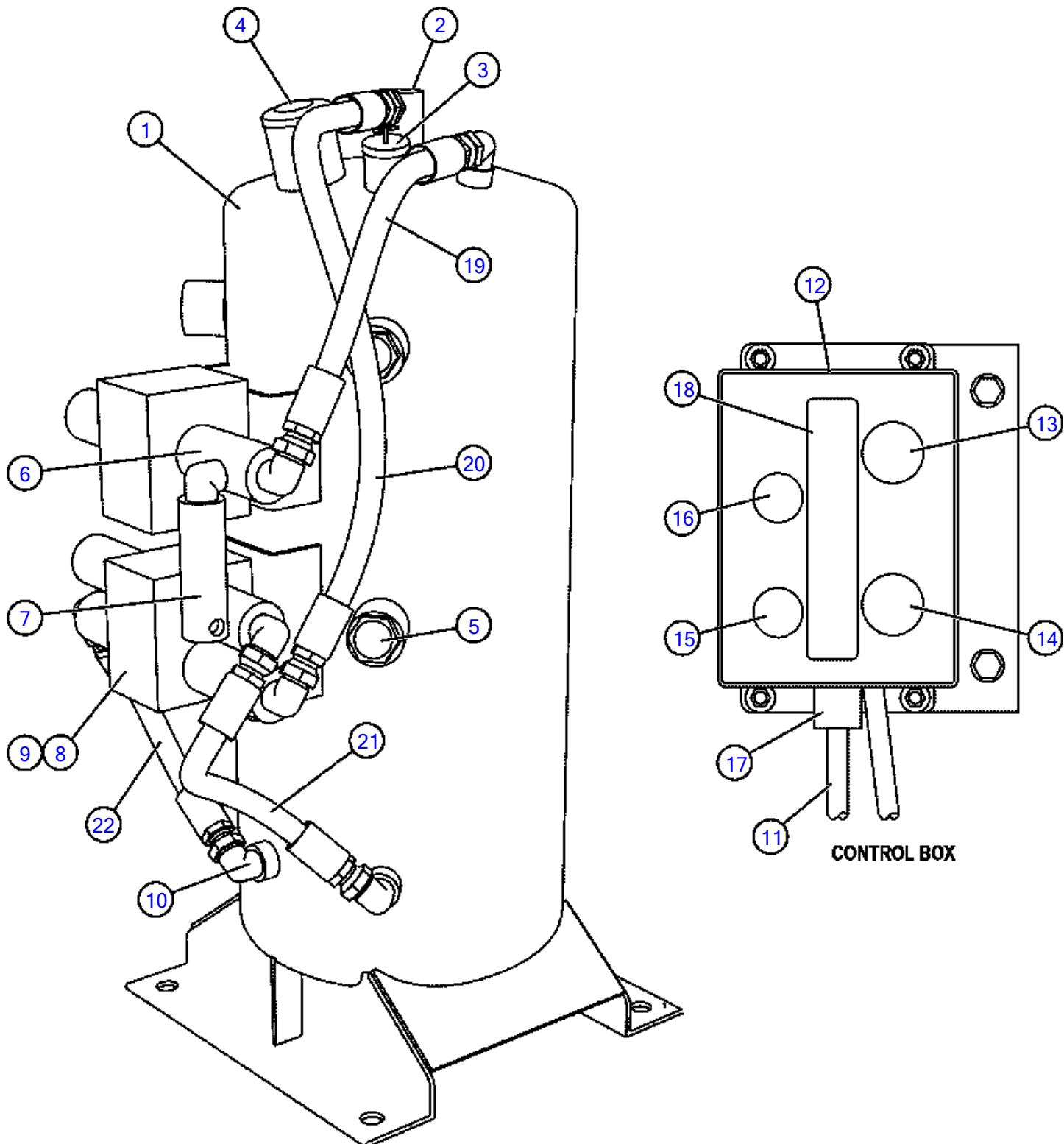
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### ENGINE OIL RESERVE SYSTEM

Item	Part No	Description	Qty
1	BF3361	BOX, AUTOMATIC TANK FILL CONTROL (1)	1
2	C5746	CAPSCREW - 1/4" - 20NC X 3/4"	4
3	C1546	FLAT WASHER - 1/4"	8
4	C5780	NUT - 1/4" - 20NC	4
5	EK0195	PLATE, MOUNTING	1
6	MM0604	CAPSCREW - M10 X 1.50 X 20	3
7	MM0461	FLAT WASHER - M10	9
8	PC1918	ADAPTER, SUMP	1
9	WB0467	FITTING, STRAIGHT	1
10	HA8068	HOSE	1
11	WA4896	FITTING	1
12	PC1262	ADAPTER, STRAIGHT	1
13	HA8069	HOSE	1
14		TANK, OIL RESERVE (1)	1
15	WB0266	FITTING, ELBOW - 90 DEG	1
16	WB0267	FITTING, ELBOW - 90 DEG	1
17	MM0178	NUT - M10 X 1.50	6
18	WB1303	CLAMP, CUSHIONED - 3/4"	12
19	WB1308	CLAMP, CUSHIONED - 1 1/16"	7
20	WB3096	CLAMP, CUSHIONED - 1 1/4"	7
21	VH5017	TIE, CABLE	30
22	MM0605	CAPSCREW - M10 X 1.50 X 25	2
23	MM0471	LOCKWASHER - M10	2
24	C1531	NUT - 1" - 8NC	4
25	C1544	LOCKWASHER - 1"	4
NS		NOTE: NS = NOT SHOWN (NOT SHOWN)	
NS	08041-01500	FUSE - 15 AMP (LOCATED IN AUXILIARY CONTROL CABINET)	1
NS	PC2799	NOTE: (1) INCLUDED IN PC2799 RESERVE SYSTEM KIT. SEE FOLLOWING PAGE.	



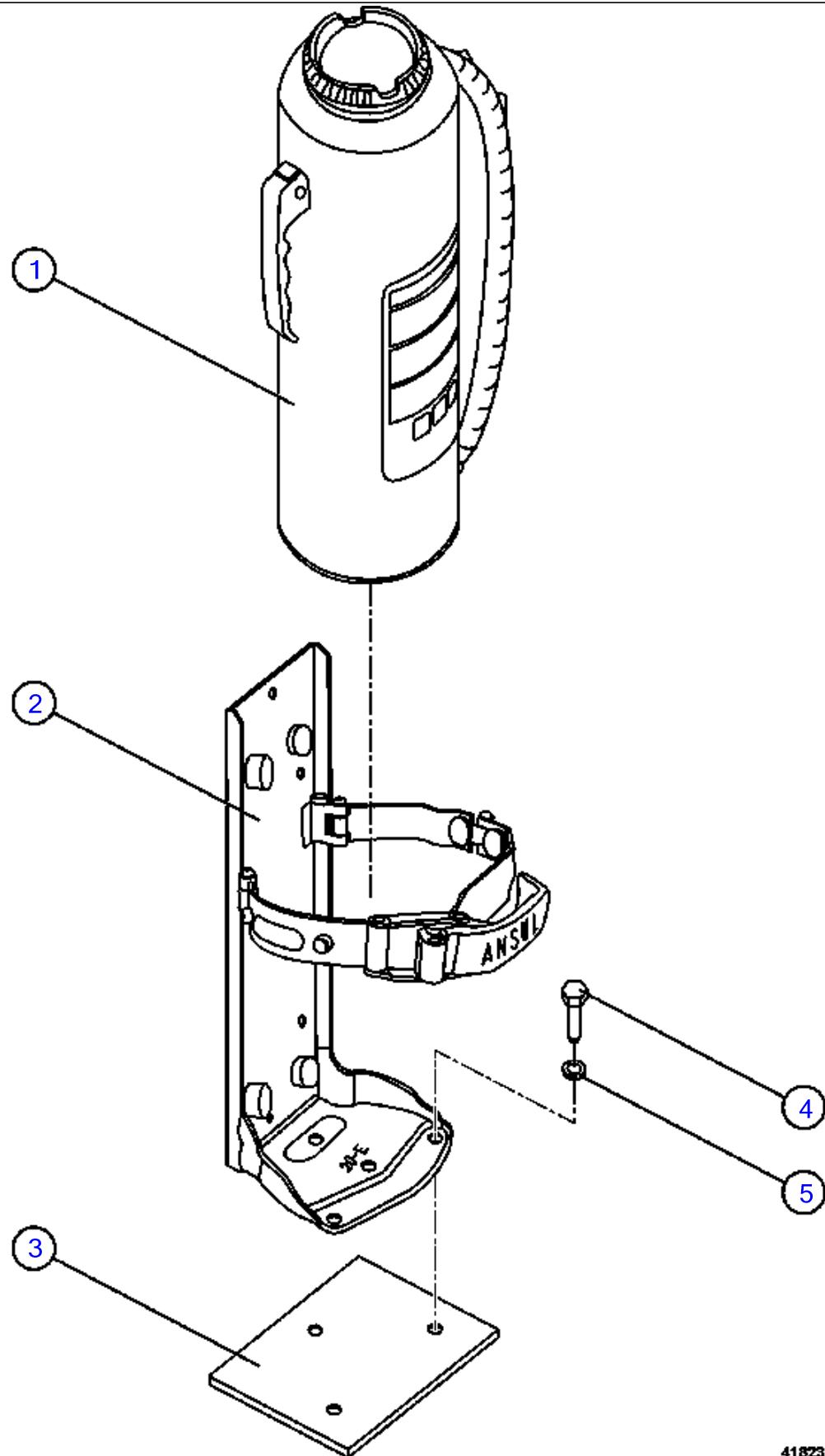
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## RESERVE SYSTEM KIT

PC2799

Item	Part No	Description	Qty
1		TANK, OIL RESERVE (1)	1
2	XA0003	VALVE, AIR RELIEF	1
3	BF3351	CAP, FILLER	1
4	BF3360	SWITCH, FLOAT W/ADAPTER HEAD	1
	XA2343	· SWITCH, FLOAT	1
5	BF3352	GLASS, SIGHT	4
6	BF3357	VALVE, FILL	1
7	XA0002	SCREEN, IN-LINE	1
8	XA2538	PUMP	1
9	BF5020	LED, RED (6 VOLT)	1
10	XA1896	SCREEN, TANK	1
11	XA0005	CABLES, ELECTRICAL	1
12	BF3361	BOX, AUTOMATIC TANK FILL CONTROL	1
	XA3903	· BOX	1
	XA2344	· RELAY	1
	XA3905	· BLOCK, TERMINAL	1
	XA3904	· HARNESS, PANEL	1
13	XA2345	· SWITCH, POWER	1
14	XA2342	· SWITCH, START	1
15	BF5021	· LIGHT, LED - AMBER (24 VDC)	1
16	BF5022	· LIGHT, LED - RED (24 VDC)	1
17	BF3355	· CONNECTOR, CABLE	3
18	XA3906	· LABEL, FRONT COVER	1
19	HA5774	HOSE	1
20	HA5775	HOSE	1
21	HA5776	HOSE	1
22	HA5777	HOSE	1
NS		NOTE: NS = NOT SHOWN	
NS	PC0915	KIT, ENGINE ADAPTATION	1
NS	BF3354	SWITCH, OIL PRESSURE	1
NS		NOTE: (1) NOT SERVICED SEPERATELY.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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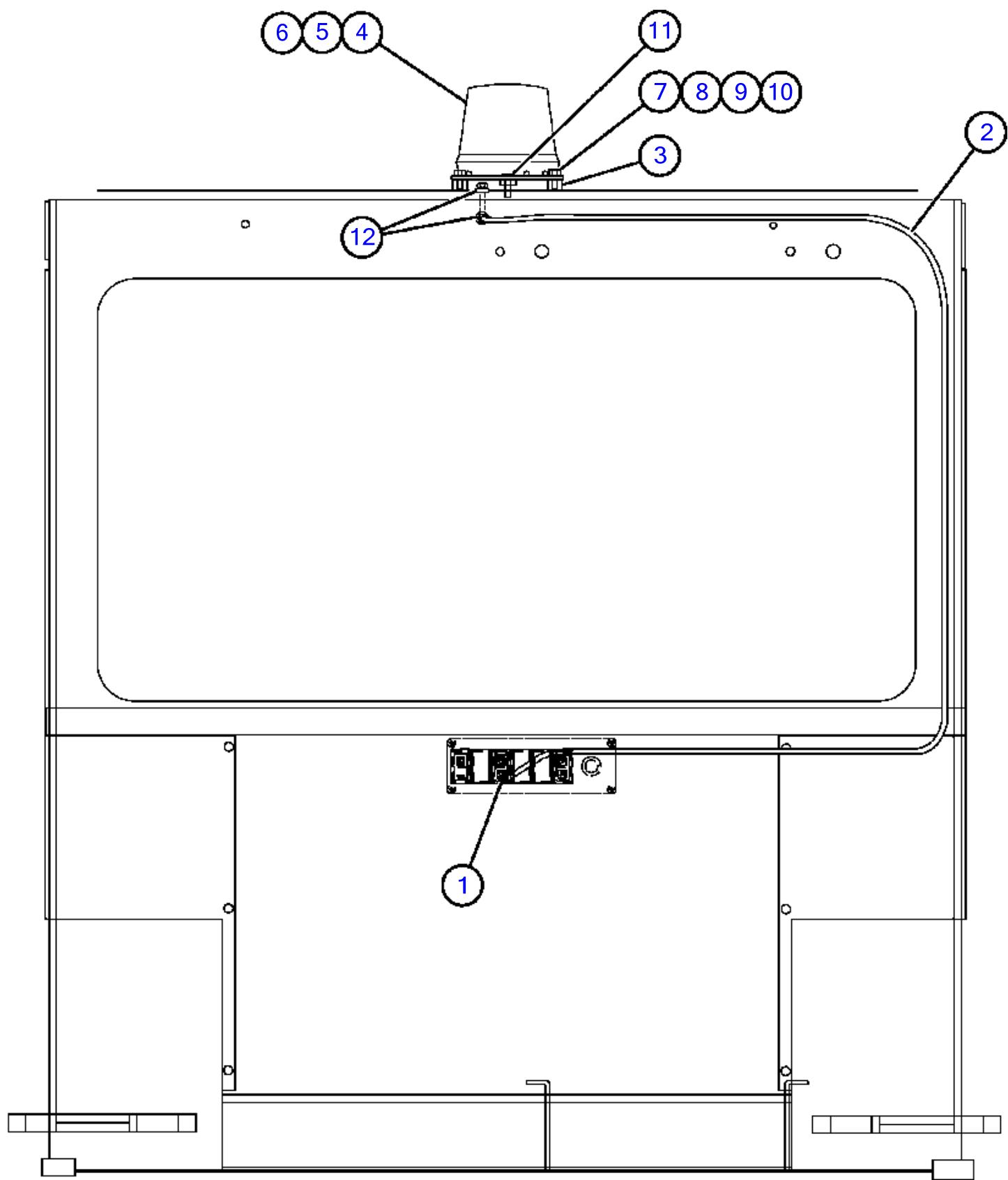


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA

FIRE EXTINGUISHER

Item	Part No	Description	Qty
1	PB2849	FIRE EXTINGUISHER	2
2	PB2850	BRACKET, FENDER	2
3	VW6804	PAD, TAPPED	1
4	H8524	CAPSCREW - 3/8" - 16NC X 5/8"	6
5	C0312	LOCKWASHER - 3/8"	6

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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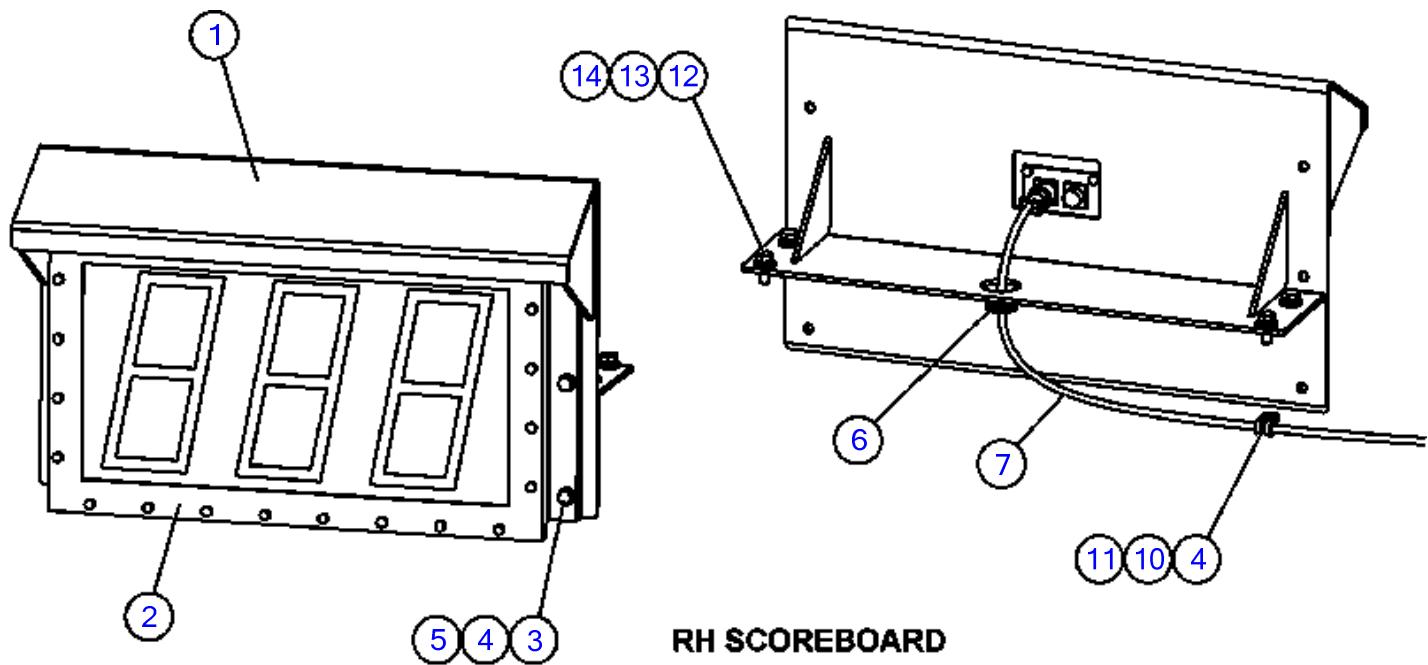


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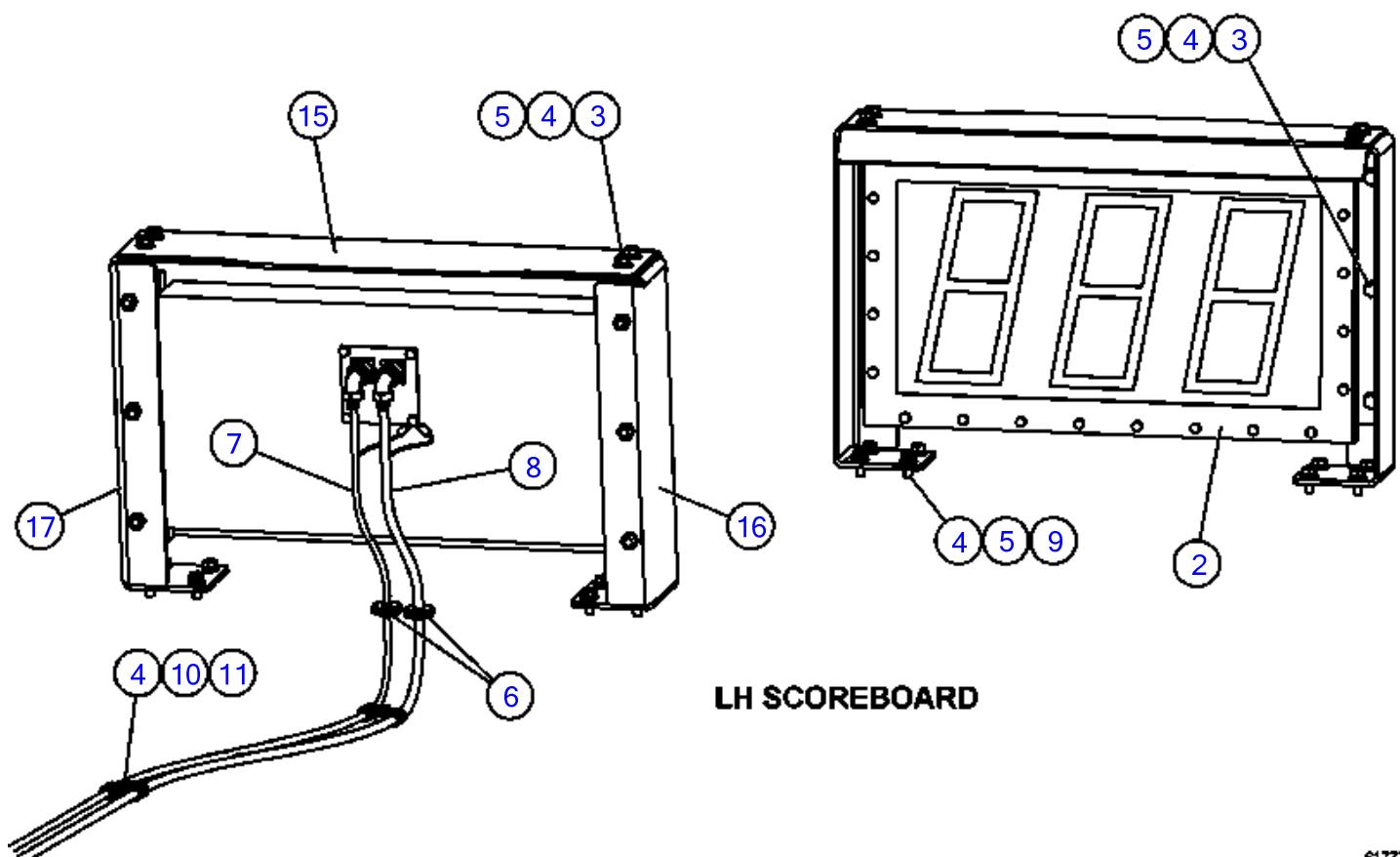
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA  
 ROTATING BEACON**

Item	Part No	Description	Qty
1	PC2272	SWITCH, ROCKER (ROTATING BEACON)	1
2	EM3513	HARNESS	1
3	ED5144	BAR, TAPPED	2
4	EL4113	STROBE LIGHT ASSEMBLY (AMBER)	1
5	VG1801	CAPSCREW - 1/4" - 20NC X 3 1/2"	2
6	DC3584	LOCKWASHER - 1/4"	2
7	EL4117	PLATE, MOUNTING	1
8	TG5720	CAPSCREW - 3/8" - 16NC X 1"	4
9	TR4436	FLAT WASHER - 3/8"	4
10	TC1231	LOCKWASHER - 3/8"	4
11	TR8279	GROMMET, RUBBER	1
12	TD2186	GROMMET, RUBBER	2

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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RH SCOREBOARD

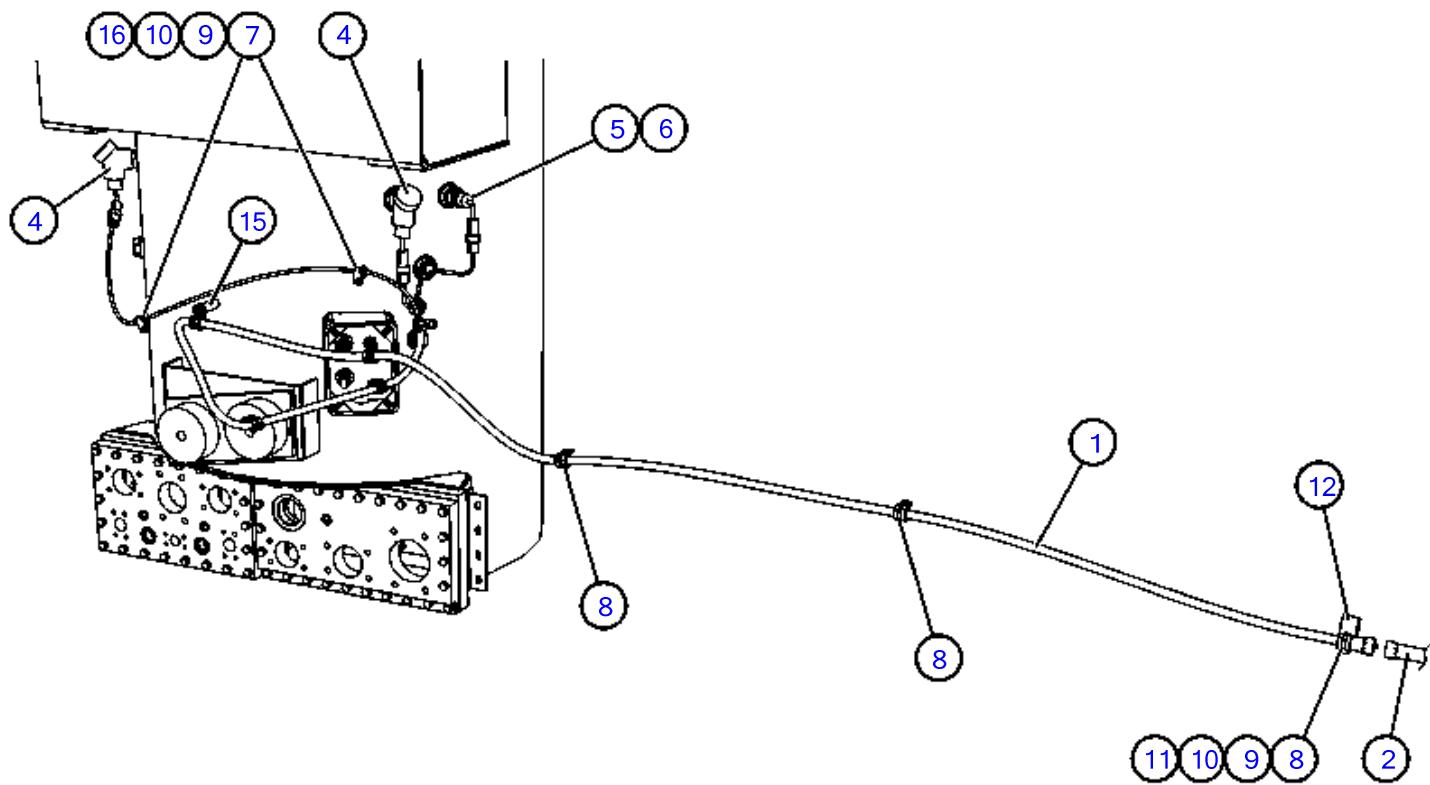
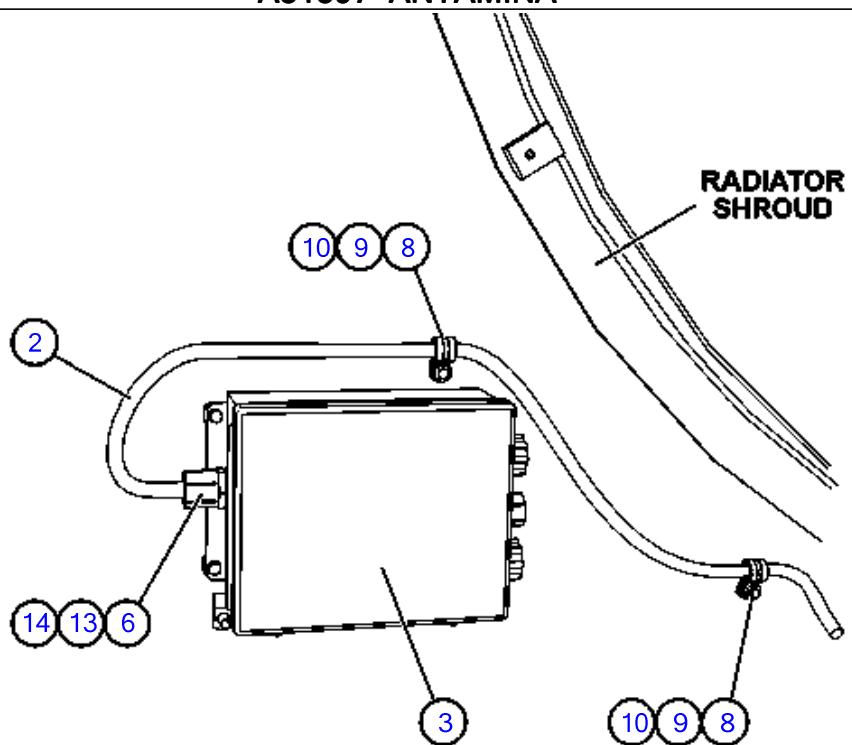


LH SCOREBOARD

**AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA**  
**PLM SCOREBOARD**

Item	Part No	Description	Qty
1	XB1896	BRACKET, MOUNTING - R.H. DISPLAY	1
2	PC1137	DISPLAY, PLM SCOREBOARD	2
3	MM0606	CAPSCREW - M10 X 1.50 X 30	16
4	MM0461	FLAT WASHER - M10	46
5	MM0471	LOCKWASHER - M10	24
6	VC6467	GROMMET, RUBBER	3
7	EM6167	CABLE, R.H. DISPLAY/L.H. DISPLAY	1
8	XB1906	CABLE, L.H. DISPLAY/AUX BOX	1
9	MM0605	CAPSCREW - M10 X 1.50 X 25	8
10	MM0178	NUT - M10 X 1.50	22
11	WB3098	CLAMP, CUSHIONED - 3/8"	27
12	MM0618	CAPSCREW - M12 X 1.75 X 30	4
13	MM0714	FLAT WASHER - M12 (HARDENED)	4
14	MM0472	LOCKWASHER - M12	4
15	XB1895	COVER, TOP	1
16	XB1892	BRACKET, R.H.	1
17	XB1891	BRACKET, L.H.	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



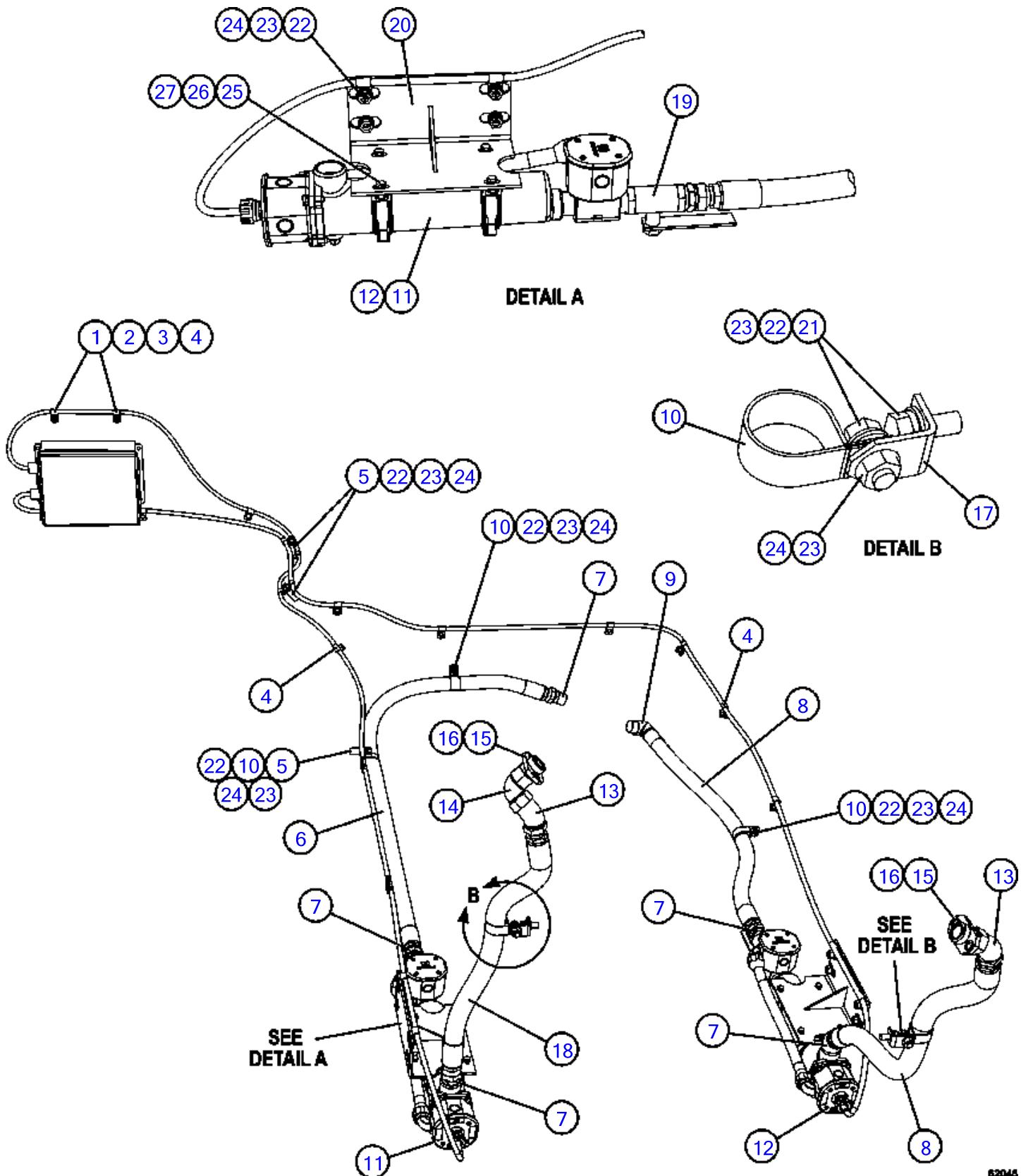
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 A31597 ANTAMINA

### HOTSTART - HYDRAULIC TANK OIL

Item	Part No	Description	Qty	Page
1	EG1972	HARNESS, HYDRAULIC TANK HEATERS	1	
2	EM0757	HARNESS, HYDRAULIC TANK	1	
3	EJ5557	HOTSTART BOX ASSEMBLY (SEE INDEX)	1	612
4	EG1966	HEATER, HYDRAULIC OIL	2	
5	EG1968	THERMOSTAT	1	
6	HD8019	BUSHING, PIPE	2	
7	VN0137	CLAMP, CUSHIONED - 7/16"	2	
8	WB1300	CLAMP, CUSHIONED - 5/8"	14	
9	MM0461	FLAT WASHER - M10	9	
10	MM0178	NUT - M10 X 1.50	8	
11	MM0042	CAPSCREW - M10 X 1.50 X 25	1	
12	WB3096	CLAMP, CUSHIONED - 1 1/4"	1	
13	VZ1369	LOCKNUT, CONDULET - 1"	1	
14	VZ1243	CORD GRIP	1	
15	EK9883	SPACER	1	
16	MM0471	LOCKWASHER - M10	2	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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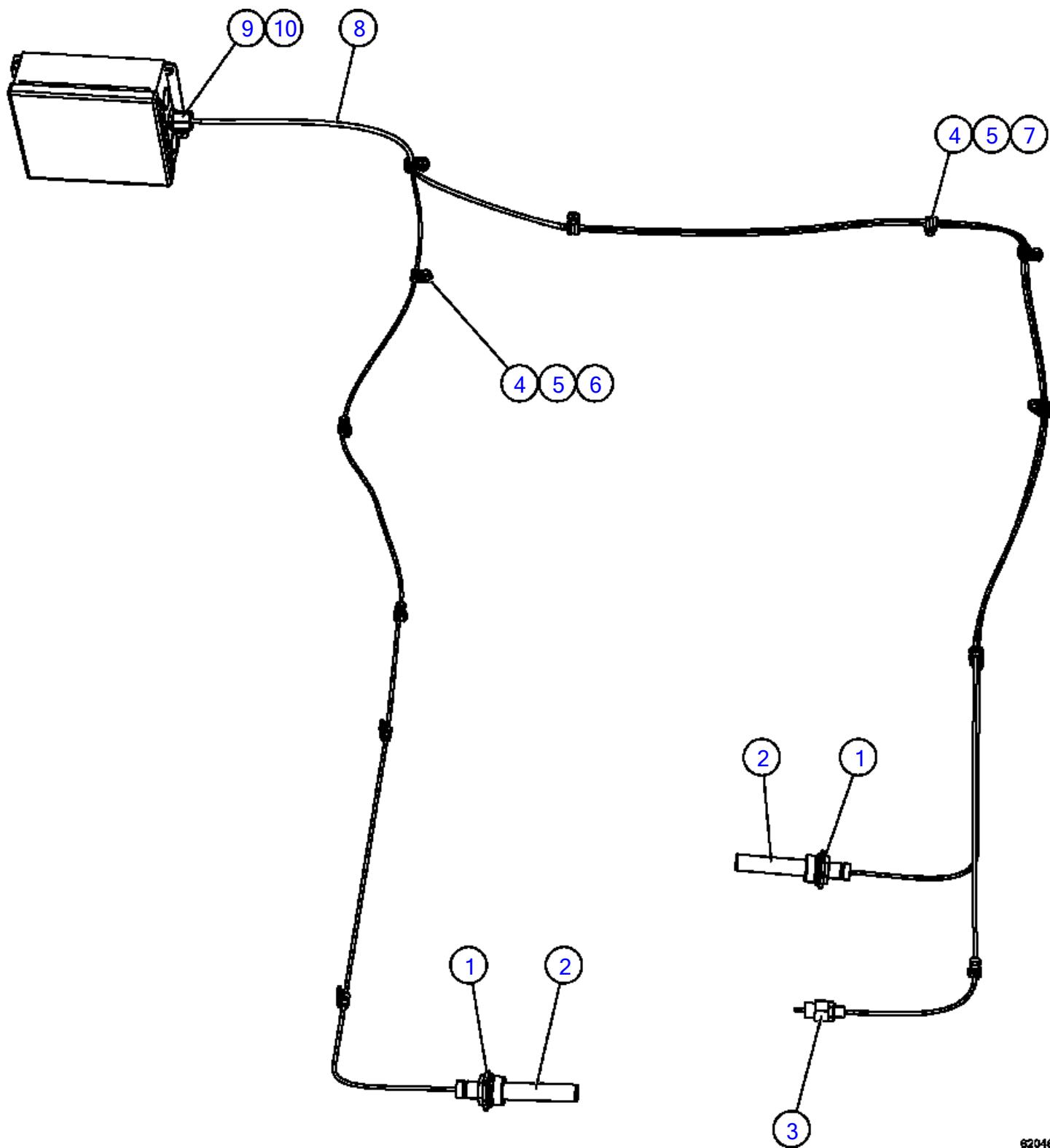
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 A31597 ANTAMINA

### HOTSTART - ENGINE COOLANT

Item	Part No	Description	Qty
1	TC1233	NUT - 3/8" - 16NC	2
2	TC1231	LOCKWASHER - 3/8"	2
3	TR4436	FLAT WASHER - 3/8"	2
4	WB3098	CLAMP, CUSHIONED - 3/8"	22
5	TY8375	SPACER	3
6	HA8747	HOSE	1
7	WB0474	FITTING, STRAIGHT	5
8	TH7584	HOSE	2
9	WB0274	FITTING, ELBOW - 90 DEG	1
10	WB1305	CLAMP, CUSHIONED - 1 1/2"	5
11	XB7269	HEATER, ENGINE COOLANT - LH	1
12	XB7268	HEATER, ENGINE COOLANT - RH	1
13	WB0370	FITTING, ELBOW - 45 DEG	2
14	WB0378	FITTING, ELBOW - 90 DEG	1
15	PB7005	CONNECTION, HOSE	2
16	PB7006	SEAL	2
17	EM8815	TAB	2
18	HA0931	HOSE	1
19	PB2306	VALVE, SHUTOFF	2
20	XB2148	PLATE	2
21	MM0605	CAPSCREW - M10 x 1.50 x 25	4
22	MM0471	LOCKWASHER - M10	22
23	MM0461	FLAT WASHER - M10	24
24	MM0178	NUT - M10 x 1.50	22
25	C5746	CAPSCREW - 1/4" - 20NC x 3/4"	8
26	C5774	LOCKWASHER - 1/4"	8
27	TD1549	NUT - 1/4" - 20NC	8

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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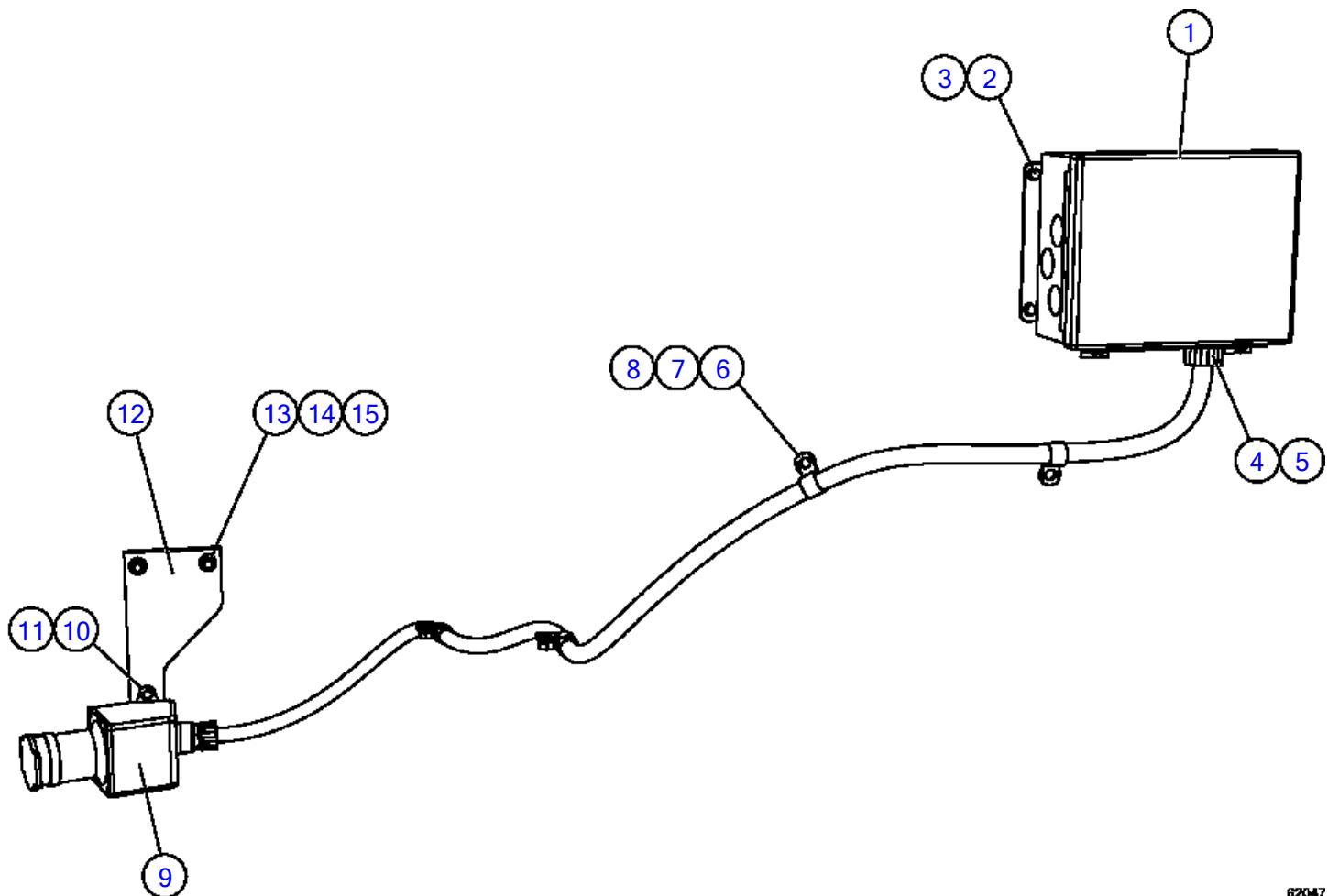


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

### HOTSTART - ENGINE OIL

Item	Part No	Description	Qty
1	PC0513	ADAPTER	2
2	PC0292	HEATER, ENGINE OIL	2
3	PC2511	REDUCER	1
4	MM0178	NUT - M10 X 1.50	12
5	MM0461	FLAT WASHER - M10	12
6	WB1301	CLAMP, CUSHIONED - 1/4"	6
7	WB3097	CLAMP, CUSHIONED - 1/2"	6
8	PC2189	HARNESS, ENGINE OIL HEATER	1
9	VZ1243	CORD GRIP	1
10	VM5588	LOCKNUT, CONDULET - 3/4"	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



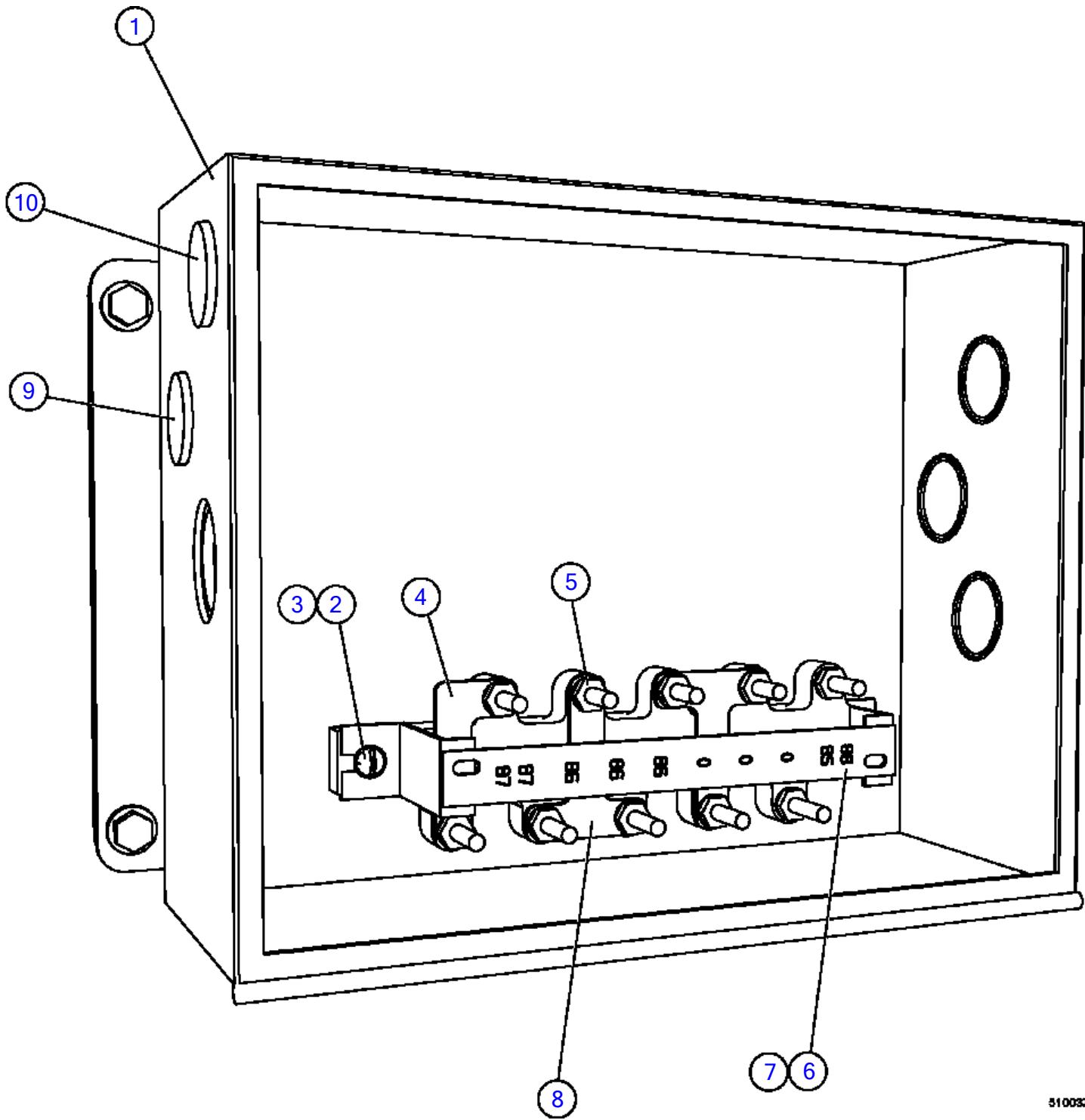
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 A31597 ANTAMINA

### HOTSTART - JUNCTION BOX AND RECEPTACLE

Item	Part No	Description	Qty	Page
1	EJ5557	HOTSTART BOX ASSEMBLY (SEE INDEX)	1	612
2	C5746	CAPSCREW - 1/4" - 20NC X 3/4"	4	
3	C5774	LOCKWASHER - 1/4"	4	
4	VZ1368	CORD GRIP	1	
5	VZ1369	LOCKNUT, CONDULET - 1"	1	
6	WB3092	CLAMP, CUSHIONED - 7/8"	4	
7	MM0178	NUT - M10 X 1.50	4	
8	MM0461	FLAT WASHER - M10	4	
9	EG6217	RECEPTACLE - BUMPER TO JUNCTION BOX	1	
	PB1641	· RECEPTACLE, MALE	1	
	PB7234	· BOX	1	
	VZ1368	· CORD GRIP	1	
		· CABLE	1	
	DL8429	· TERMINAL, RING	3	
10	TD0794	CAPSCREW - 5/16" - 18NC X 3/4"	2	
11	WA4725	FLAT WASHER - 5/16" (HARDENED)	2	
12	EL3356	PLATE, MOUNTING	1	
13	MM0619	CAPSCREW - M12 X 1.75 X 35	2	
14	MM0462	FLAT WASHER - M12	4	
15	MM0179	NUT - M12 X 1.75	2	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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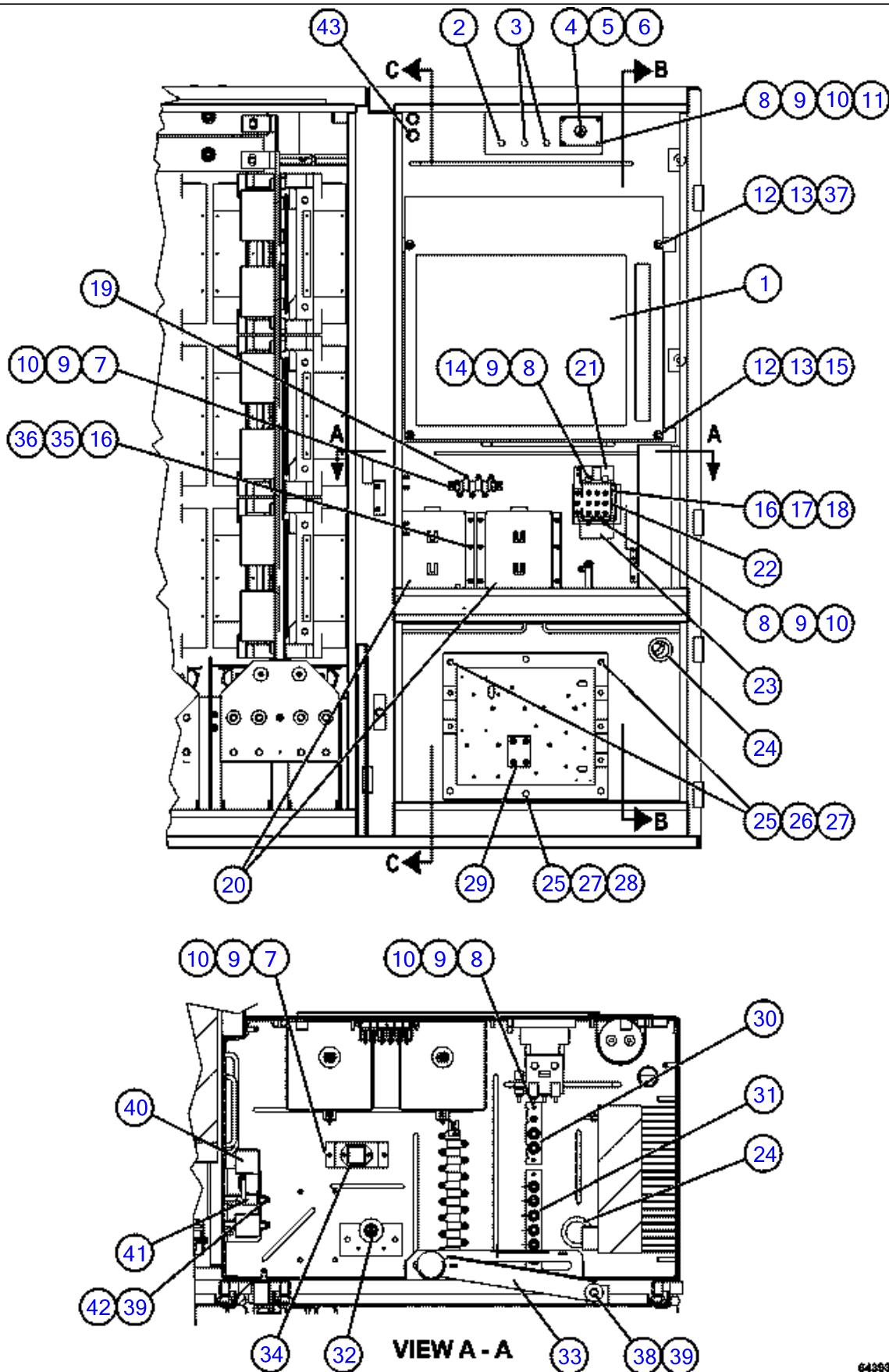
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 A31597 ANTAMINA

**HOTSTART - JUNCTION BOX EJ5557**

Item	Part No	Description	Qty
1	EJ2098	BOX, JUNCTION	1
2	VM1464	MACHINE SCREW - #10 - 24NC X 5/8"	2
3	SG7707	LOCKWASHER - #10	2
4	EB7418	BAR, BUS	1
5	WA3367	NUT ASSEMBLY	10
6	PB4110	BOARD, TERMINAL	1
7	EG1958	CIRCUIT ID	1
8	EB7417	BAR, BUS	2
9	TA2685	PLUG, BUTTON - 1 1/8"	2
10	TV3555	PLUG, BUTTON - 1 3/8"	4

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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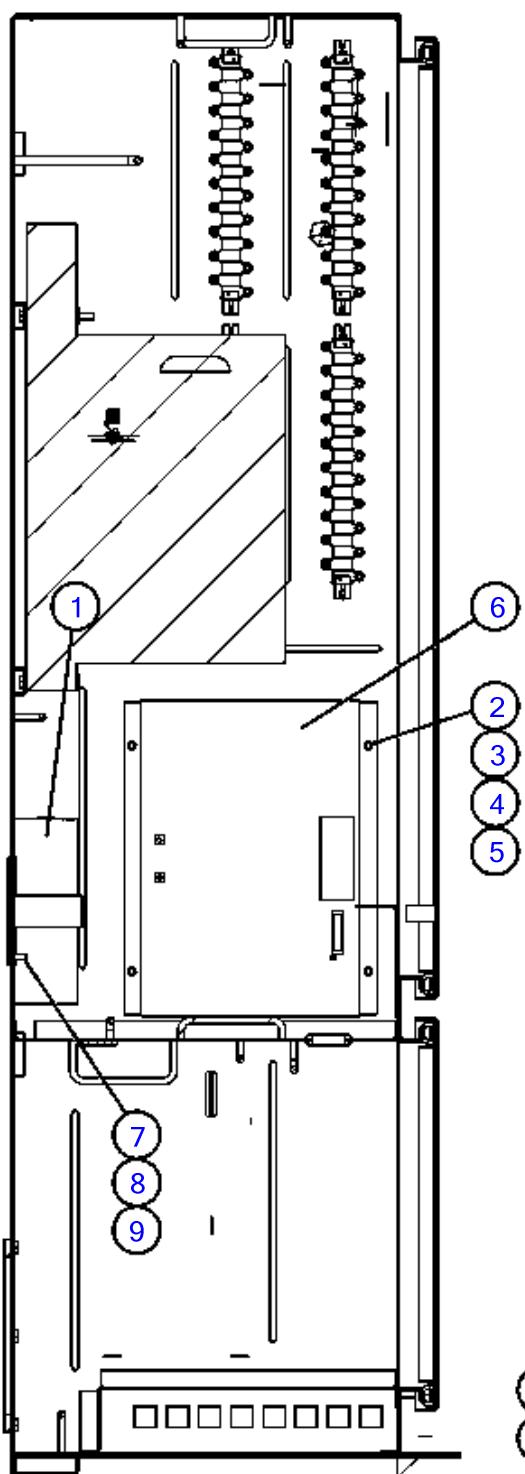


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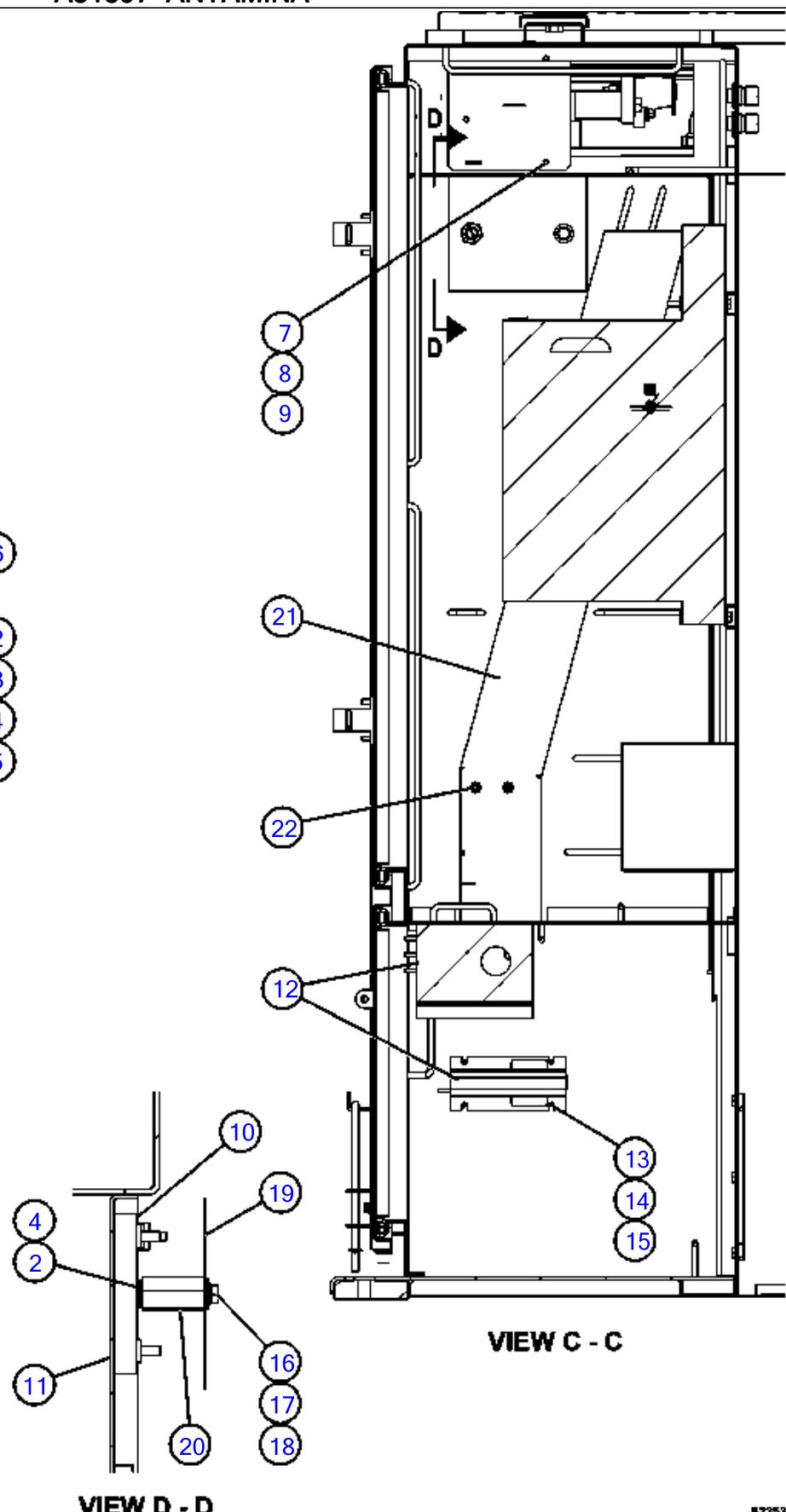
**CONTROL CABINET - LEFT COMPARTMENT 1/2**

Item	Part No	Description	Qty	uom	Page
1	58B-43-00201	PANEL, ICP (SEE INDEX)	1		648
2	GE0176	SWITCH, TOGGLE	1		
3	GE0174	SWITCH, TOGGLE	2		
4	GE0177	BOARD, PRINTED WIRE	1		
5	XA3129	CAP, LENS	1		
6	XA3130	ADAPTER	1		
7	VE4655	FLAT WASHER - #10		AS REQUIRED	
8	VE4600	FLAT WASHER - #10		AS REQUIRED	
9	VE4601	LOCKWASHER - #10		AS REQUIRED	
10	SF2755	NUT - #10 - 32NF		AS REQUIRED	
11	PB3606	SPACER		AS REQUIRED	
12	VE4343	FLAT WASHER - 5/16"		AS REQUIRED	
13	VE4696	LOCKWASHER - 5/16"		AS REQUIRED	
14	GE1386	MACHINE SCREW - #10 - 32NC X 1 5/8"	2		
15	BF4222	CAPSCREW - 5/16" - 18NC X 3"	4		
16	DC3584	LOCKWASHER - 1/4"		AS REQUIRED	
17	VE7202	WASHER - 1/4" (SPECIAL)	4		
18	XA5287	CAPSCREW - 1/4" - 20NC X 7/8"	6		
19	VS6690	BOARD, TERMINAL	1		
20	GE1257	CONVERTER, GATE DRIVER	2		
21	VE7355	MODULE, DIODE	1		
22	VG7043	RELAY - CPR & GFR (SEE INDEX)	1		646
23	BF4452	MODULE, SUPPRESSION	1		
24	GE0240	GROMMET	2		
25	VE4687	LOCKWASHER - 3/8"		AS REQUIRED	
26	TC1233	NUT - 3/8" - 16NC		AS REQUIRED	
27	GE0759	FLAT WASHER - 3/8"	2		
28	VE4640	CAPSCREW - 3/8" - 16NC X 1 1/2"		AS REQUIRED	
29	58B-43-00220	PANEL, A.F.S.E. (SEE INDEX)	1		638
30	GE1417	RESISTOR	1		
31	GE0870	RESISTOR PANEL	1		
32	XA3137	SENSOR, PRESSURE	1		
33	58B-43-00360	DOOR PROP ASSEMBLY	1		
	VE5762	FLAT WASHER - 5/16"	2		
	VE4696	LOCKWASHER - 5/16"	2		
	VE5013	NUT - 5/16" - 18NC	2		
	VE4516	FLAT WASHER - 3/8"	1		
	VE4687	LOCKWASHER - 3/8"	1		
	VE4739	CAPSCREW - 3/8" - 16NC X 1"	1		
34	GE0510	DIODE ASSEMBLY	1		
35	TD1549	NUT - 1/4" - 20NC		AS REQUIRED	
36	VE7237	CAPSCREW - 1/4" - 20NC	6		
37	VE5013	NUT - 5/16" - 18NC	2		
38	GE0831	CAPSCREW - 3/8" - 16NC X 3/8"	1		
39	XA2784	WASHER	5		
40	58B-43-00350	SHIELD, HV CABLE	1		
41	58B-43-00300	PIPE, SPACER	4		
42	58B-43-00280	LOCKNUT - 3/8" - 16NC	4		
43	58B-43-00240	CONNECTOR (FOR VIEWS B-B & C-C, SEE THE FOLLOWING PAGE.)	2		

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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VIEW B - B



VIEW C - C

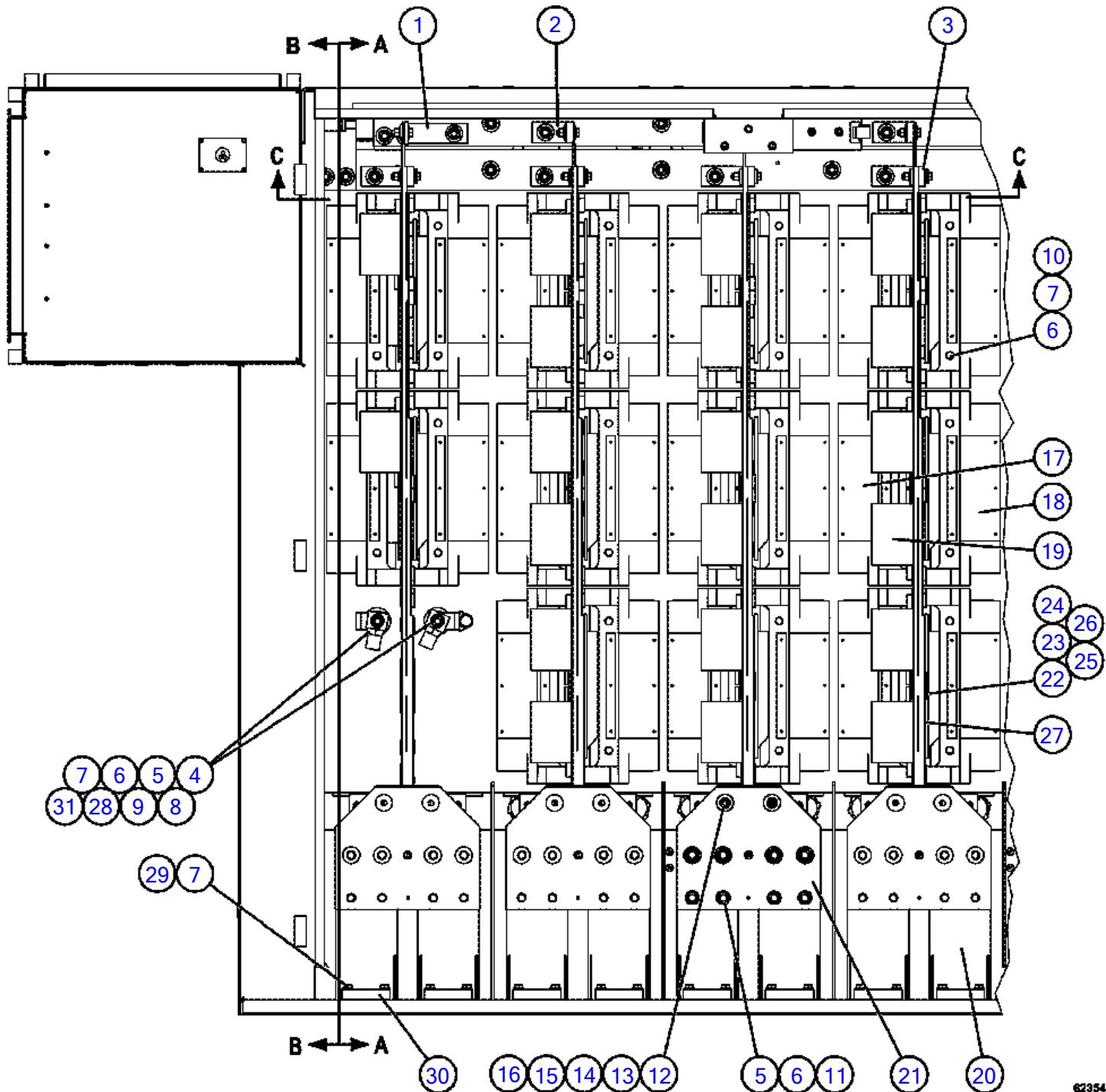
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## CONTROL CABINET - LEFT COMPARTMENT 2/2

Item	Part No	Description	Qty	uom
1	GE0865	CAPACITOR SUB-ASSEMBLY	1	
	GE0514	• CAPACITOR	1	
	GE1175	• CLAMP	1	
	GE1176	• SUPPORT	1	
2	VE4343	FLAT WASHER - 5/16"		AS REQUIRED
3	GE1383	FLAT WASHER - 11/16"		AS REQUIRED
4	VE4696	LOCKWASHER - 5/16"		AS REQUIRED
5	VE5013	NUT - 5/16" - 18NC		AS REQUIRED
6	GE0755	POWER SUPPLY	1	
7	SP8417	FLAT WASHER - 1/4"		AS REQUIRED
8	DC3584	LOCKWASHER - 1/4"		AS REQUIRED
9	TD1549	NUT - 1/4" - 20NC		AS REQUIRED
10	GE0231	PANEL, FUSE	1	
	GE0232	FUSE LIMITER	1	
11	BF3908	SHIELD	1	
12	GE0170	SENSOR, AC-DC	2	
13	VE4655	FLAT WASHER - #10		AS REQUIRED
14	VE4601	LOCKWASHER - #10		AS REQUIRED
15	SF2755	NUT - #10 - 32NF		AS REQUIRED
16	TV3461	CAPSCREW - 3/8" - 16NC X 5/8"	2	
17	VE4687	LOCKWASHER - 3/8"		AS REQUIRED
18	VE4515	FLAT WASHER - 3/8"		AS REQUIRED
19	XA3591	SHIELD	1	
20	XA3592	INSULATOR	2	
21	58B-43-00350	SHIELD, HV CABLE	1	
22	58B-43-00280	LOCKNUT - 3/8" - 16NC	4	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



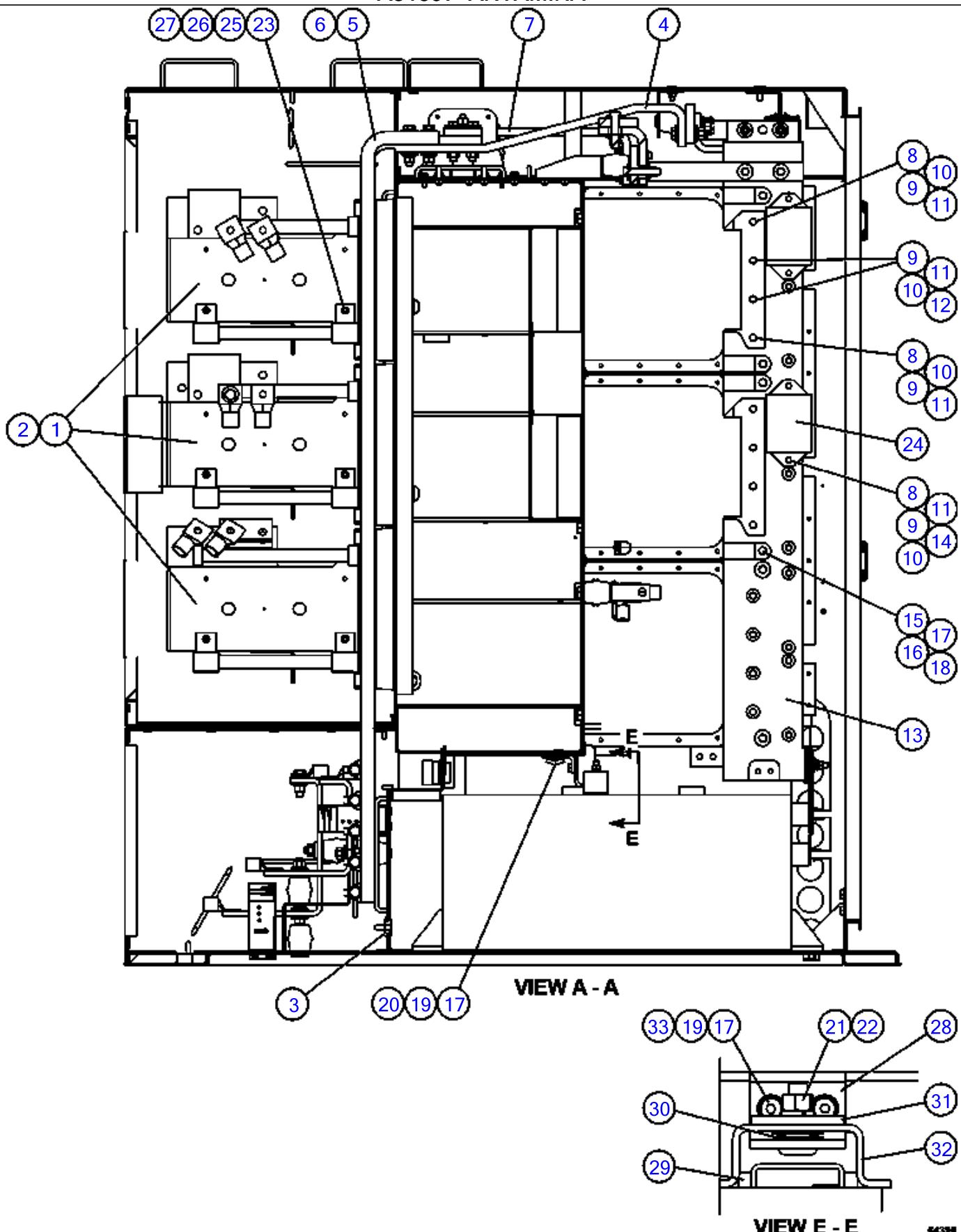
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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA**

**CONTROL CABINET - RIGHT FRONT VIEW**

Item	Part No	Description	Qty	uom
1	XA4250	BUS BAR	1	
2	XA4328	BUS BAR	4	
3	XA4249	BUS BAR	5	
4	GE0579	STUD	2	
5	VE4699	LOCKWASHER - 1/2"		AS REQUIRED
6	VE4698	NUT - 1/2" - 13NC		AS REQUIRED
7	VE4519	FLAT WASHER - 1/2"		AS REQUIRED
8	GE1409	BUS BAR	2	
9	PB3348	INSULATOR	2	
10	GE1384	STUD	56	
11	VE4490	FLAT WASHER - 1/2"		AS REQUIRED
12	VE3918	WASHER		AS REQUIRED
13	VE4687	LOCKWASHER - 3/8"		AS REQUIRED
14	VE4515	FLAT WASHER - 3/8"		AS REQUIRED
15	TC1233	NUT - 3/8" - 16NC		AS REQUIRED
16	VE4640	CAPSCREW - 3/8" - 16NC X 1 1/2"		AS REQUIRED
17	58E-43-00170	INVERTER, IGBT (+)	14	
	58B-43-00410	· GASKET	1	
18	58E-43-00180	INVERTER, IGBT (-)	14	
	58B-43-00410	· GASKET	1	
19	XA4290	FUSE, IGBT	26	
20	XA4876	CAPACITOR, FILTER	10	
21	58B-43-00660	BUS BAR	5	
22	BF0543	CAPSCREW - 5/16" - 18NC X 2 1/2"		AS REQUIRED
23	GE1381	FLAT WASHER - 5/16"		AS REQUIRED
24	GE1383	FLAT WASHER - 11/16"		AS REQUIRED
25	VE4696	LOCKWASHER - 5/16"		AS REQUIRED
26	VE5013	NUT - 5/16" - 18NC		AS REQUIRED
27	GE1412	BUS BAR, VERTICAL	5	
28	58B-43-00270	TERMINAL	2	
29	VE4518	CAPSCREW - 1/2" - 13NC X 1 1/2"	20	
30	XA5273	SPACER	10	
31	58E-43-00490	GASKET	1	
NS		NOTE: NS = NOT SHOWN		
NS	58E-43-00500	HARNESS, FIBER OPTIC (568') (1)	1	
NS	GE0470	KIT, FIBER OPTIC REPAIR (2)	1	
NS	XA5143	· CONNECTOR, GRAY	5	
NS	XA5144	· CONNECTOR, BLUE	5	
NS		· WIRE MARKERS	10	
NS	XA5141	· KIT, CABLE FINISHING	1	
NS	XA5140	·· CABLE, FIBER OPTIC (50')	1	
NS		·· SANDPAPER	8	
NS		·· POLISHING PAPER	8	
NS		NOTE: (1) FIBER OPTIC REPAIR KIT IS NECESSARY TO SERVICE THE FIBER OPTIC CABLE.		
NS	GE0654	(2) GE0654 FIBER OPTIC REPAIR KIT WITH CRIMPER IS ALSO AVAILABLE.		
NS		(FOR VIEWS A-A, B-B & C-C, SEE THE FOLLOWING PAGES.)		

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

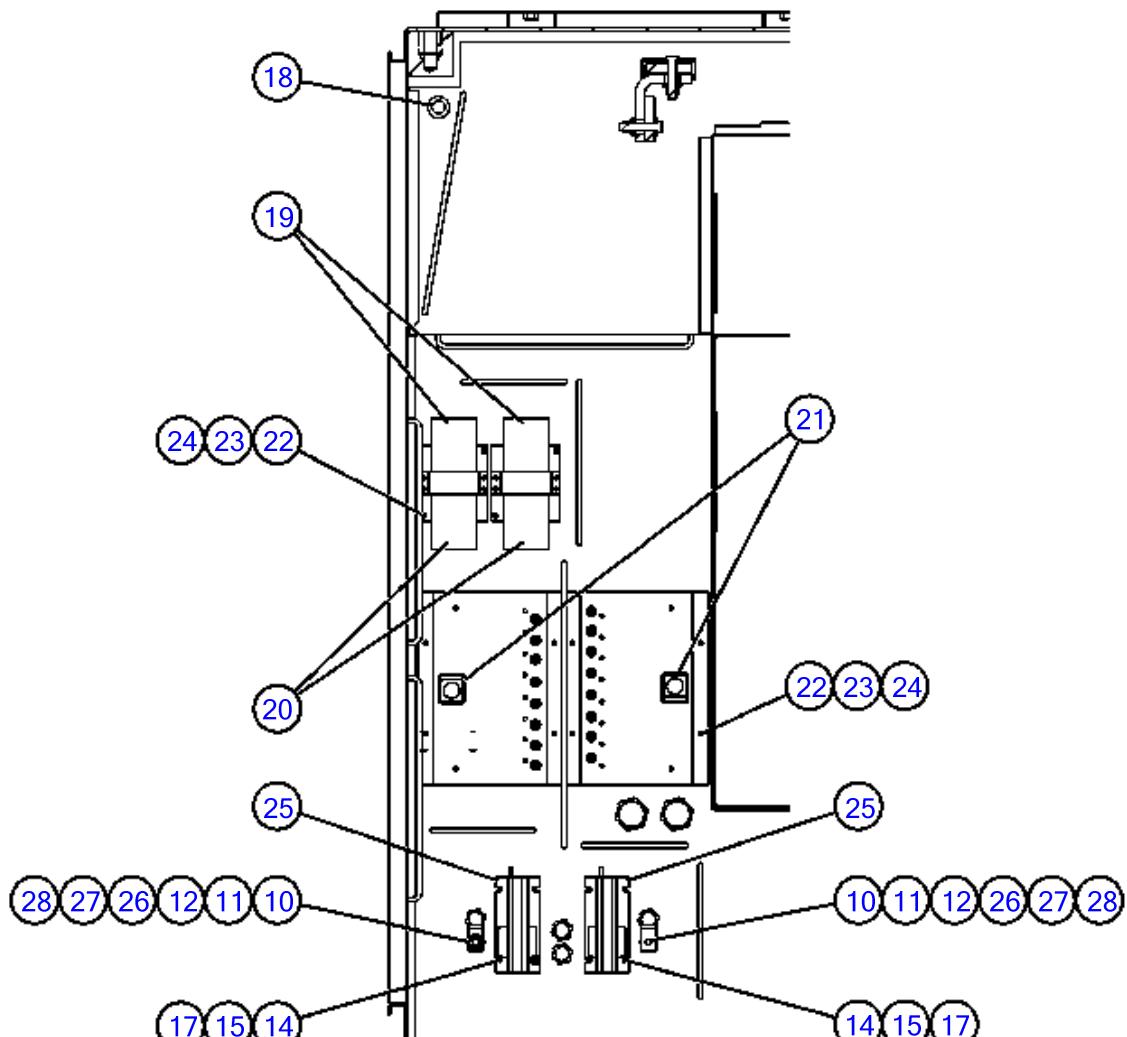
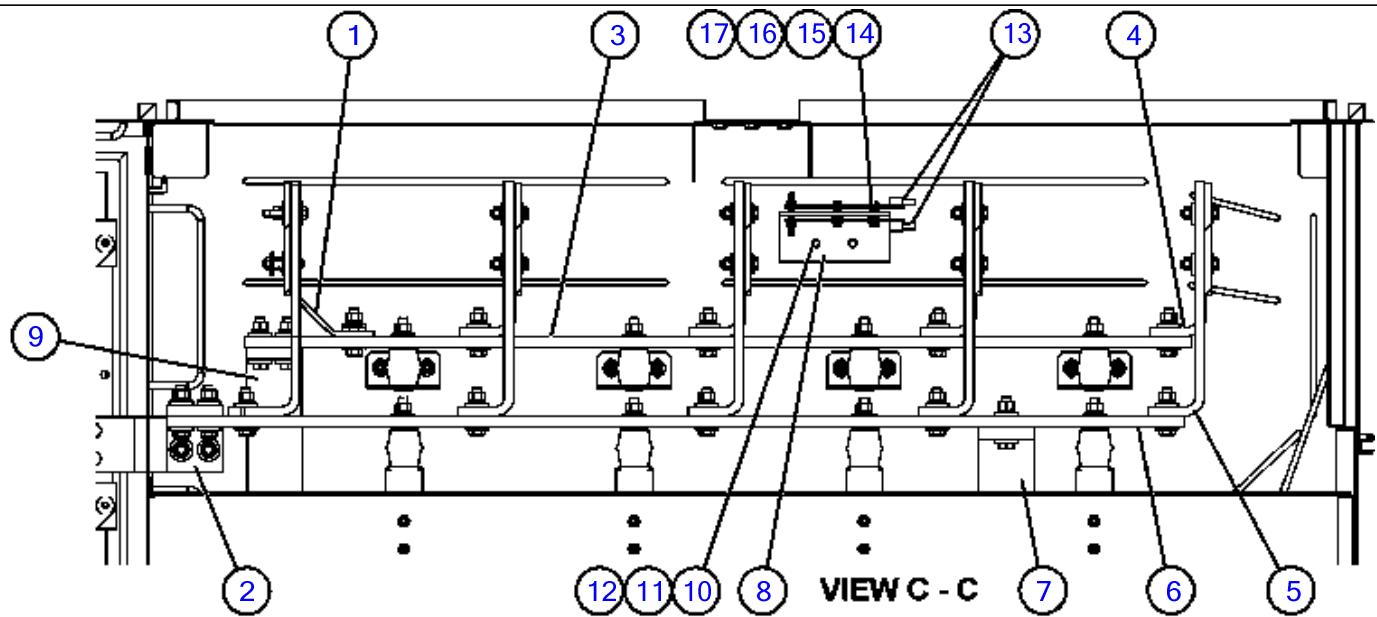


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## CONTROL CABINET - RIGHT COMPARTMENT 1/2

Item	Part No	Description	Qty	uom
1	GE0876	BASE ASSEMBLY	3	
2	GE1387	PANEL, RECTIFIER (IGBT)	3	
	58E-43-10010	• DIODE	1	
3	GE0240	GROMMET	1	
4	GE1400	BUS BAR	1	
5	GE1403	BUS BAR	1	
6	GE1404	BUS BAR	1	
7	XA3594	BUS BAR	1	
8	BF0543	CAPSCREW - 5/16" - 18NC X 2 1/2"		AS REQUIRED
9	GE1383	FLAT WASHER - 11/16"		AS REQUIRED
10	VE4696	LOCKWASHER - 5/16"		AS REQUIRED
11	VE5013	NUT - 5/16" - 18NC		AS REQUIRED
12	GE1380	CAPSCREW - 5/16" - 18NC X 2"		AS REQUIRED
13	GE1412	BUS BAR, VERTICAL	5	
14	VE4343	FLAT WASHER - 5/16"		AS REQUIRED
15	GE1382	CAPSCREW - 3/8" - 16NC X 5 1/2"	2	
16	VE3918	WASHER		AS REQUIRED
17	VE4687	LOCKWASHER - 3/8"		AS REQUIRED
18	TC1233	NUT - 3/8" - 16NC		AS REQUIRED
19	VE4515	FLAT WASHER - 3/8"		AS REQUIRED
20	VE4739	CAPSCREW - 3/8" - 16NC X 1"	10	
21	VE4699	LOCKWASHER - 1/2"		AS REQUIRED
22	VE4698	NUT - 1/2" - 13NC		AS REQUIRED
23	VE5169	FLAT WASHER - 5/8"	12	
24	XA4290	FUSE, IGBT	2	
25	GE0862	STUD	12	
26	GE0045	NUT - 5/8" - 11NC	12	
27	VC1390	LOCKWASHER - 5/8"	12	
28	XA4497	ANGLE	10	
29	XA5282	GASKET, NEOPRENE	20	
30	VE4243	WASHER, CONCAVE	20	
31	XA4878	CLAMP	10	
32	XA4577	BRACKET	10	
33	XA4286	CAPSCREW	20	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

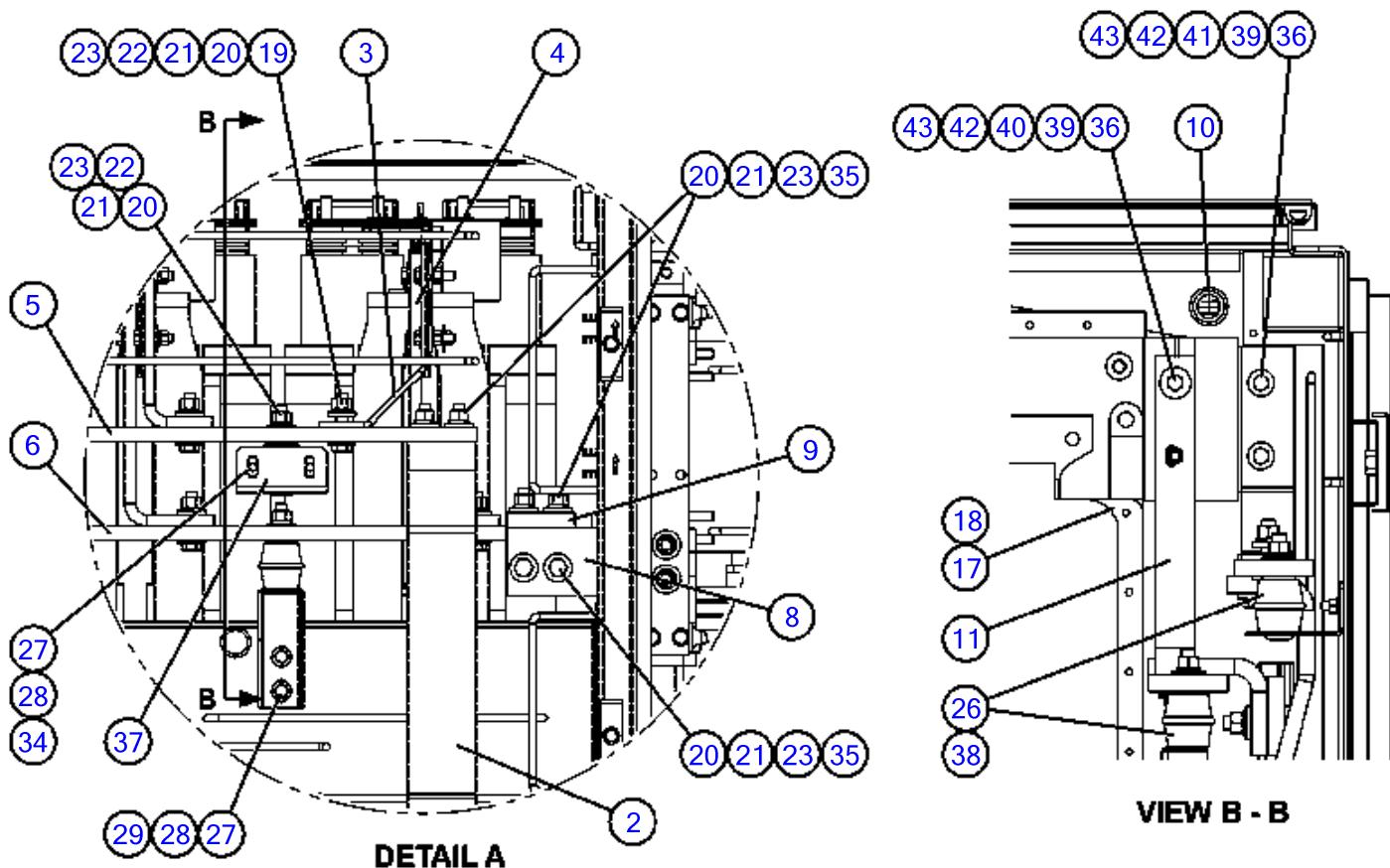
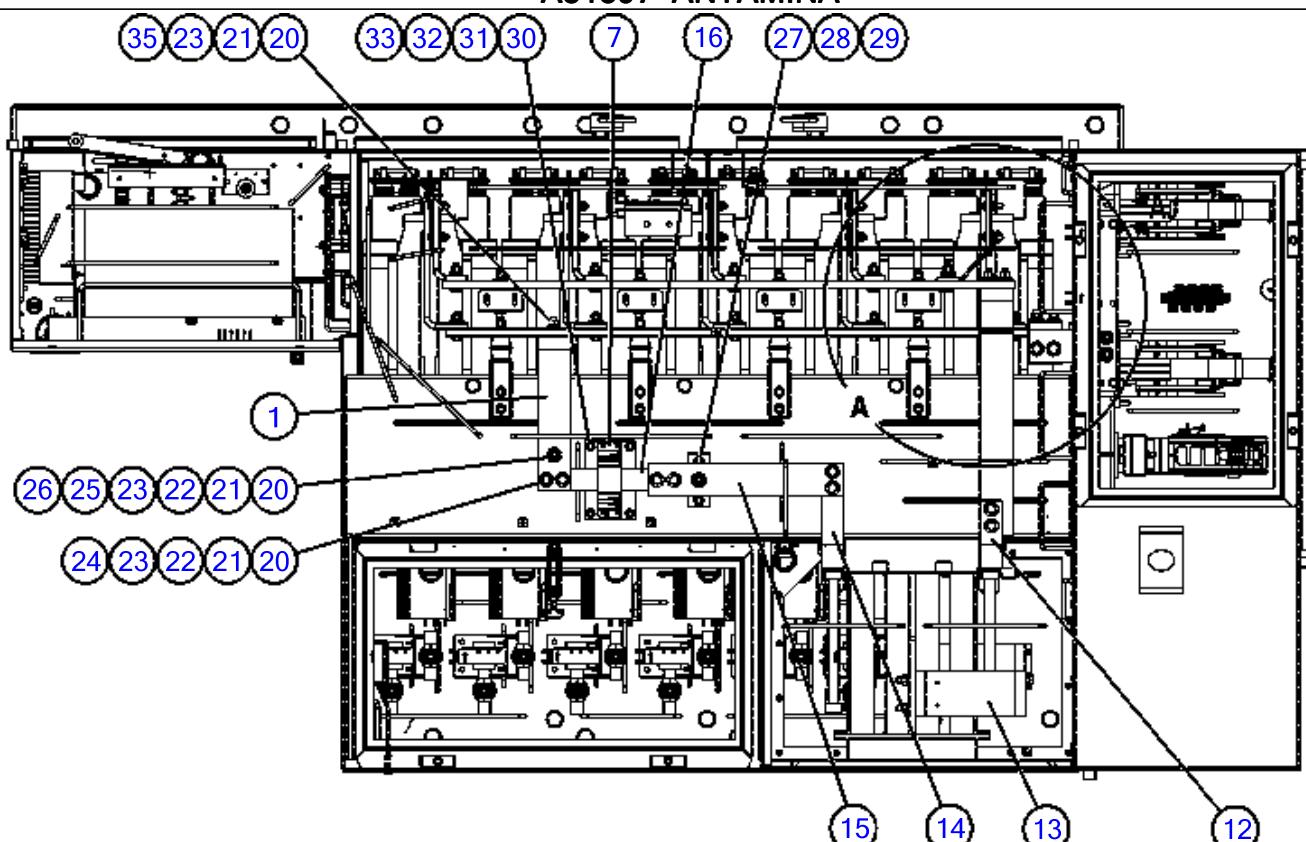


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 A31597 ANTAMINA

**CONTROL CABINET - RIGHT COMPARTMENT 2/2**

Item	Part No	Description	Qty	uom
1	XA4250	BUS BAR	1	
2	GE1396	BUS BAR	1	
3	GE1401	BUS BAR	1	
4	XA4249	BUS BAR	1	
5	XA4328	BUS BAR	1	
6	GE1402	BUS BAR	1	
7	XA3594	BUS BAR	1	
8	XA3593	BUS BAR	1	
9	GE1400	BUS BAR	1	
10	VE4687	LOCKWASHER - 3/8"		AS REQUIRED
11	VE4515	FLAT WASHER - 3/8"		AS REQUIRED
12	TC1233	NUT - 3/8" - 16NC		AS REQUIRED
13	XA4327	RESISTOR	2	
14	VE4655	FLAT WASHER - #10		AS REQUIRED
15	SF2755	NUT - #10 - 32NF		AS REQUIRED
16	GE1388	STUD	2	
17	VE4601	LOCKWASHER - #10		AS REQUIRED
18	GE1416	GROMMET	7	
19	GE0761	PANEL, RESISTOR	2	
20	GE0762	CAPACITOR ASSEMBLY	2	
21	XA3720	PANEL ASSEMBLY (VAM)	2	
22	SP8417	FLAT WASHER - 1/4"		AS REQUIRED
23	DC3584	LOCKWASHER - 1/4"		AS REQUIRED
24	TD1549	NUT - 1/4" - 20NC		AS REQUIRED
25	GE0170	SENSOR, AC-DC	2	
26	GE1410	BUS BAR	2	
27	GE0584	INSULATOR	2	
28	GE1414	STUD	2	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
 A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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 A31597 ANTAMINA

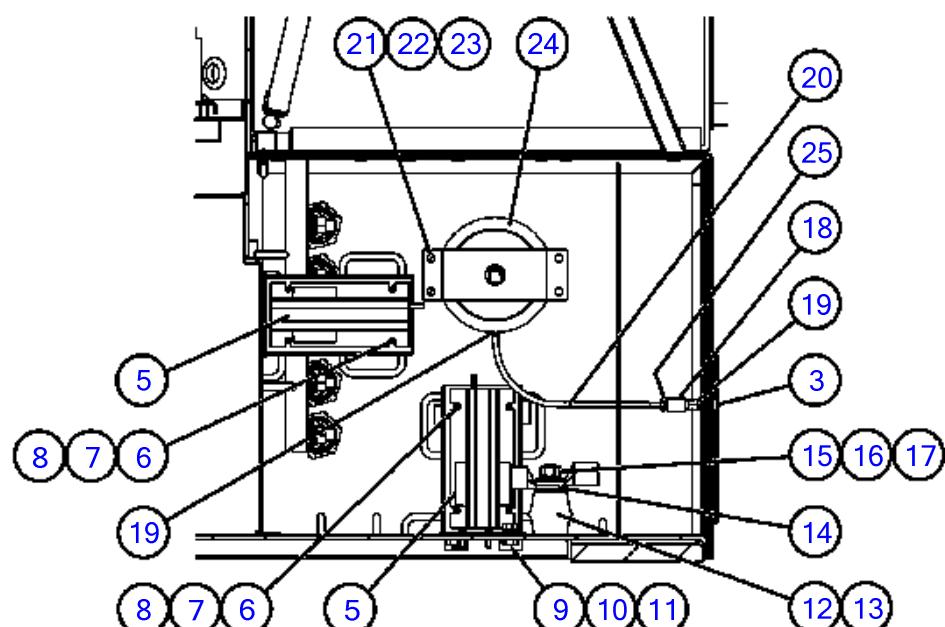
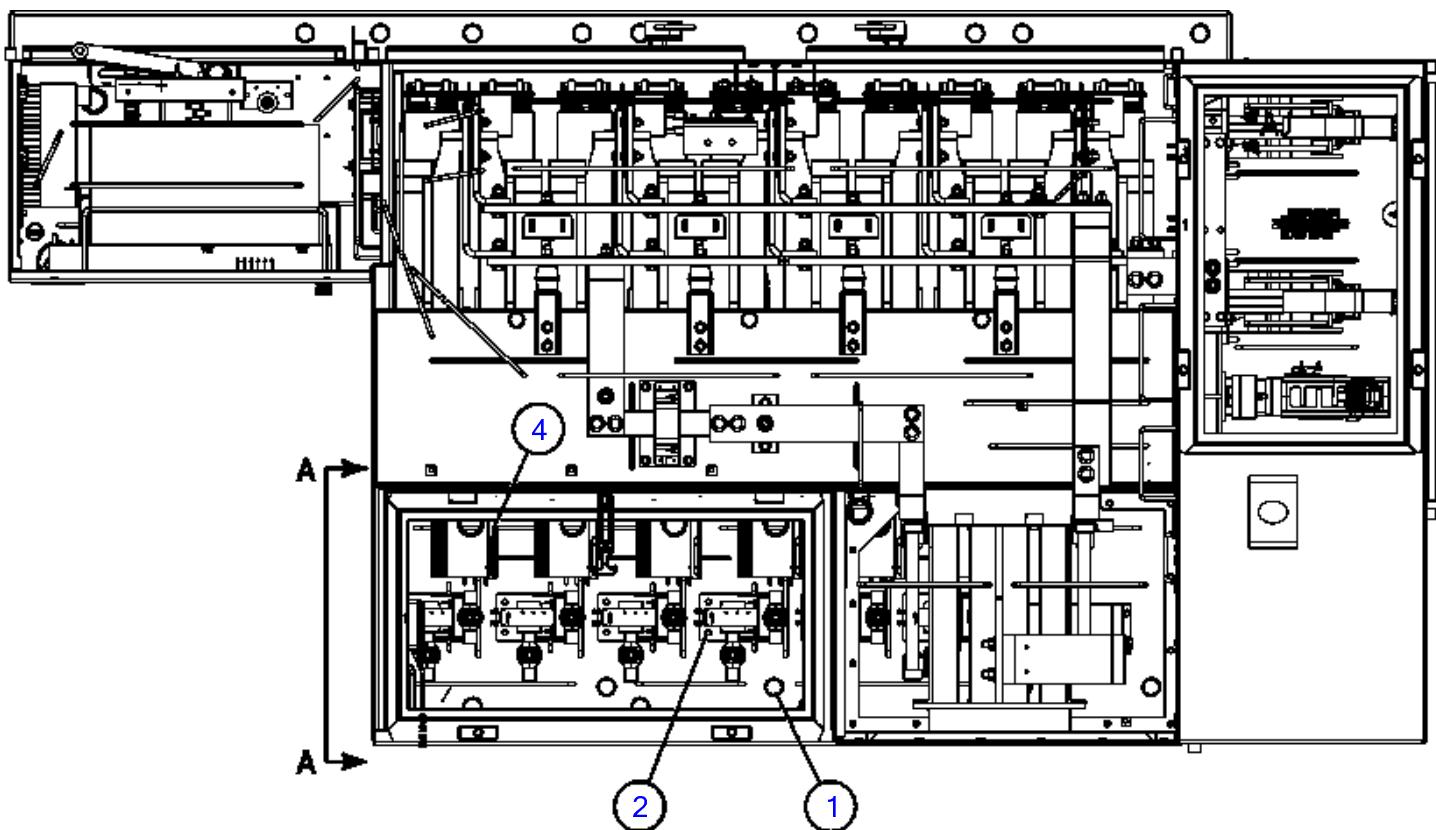


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**CONTROL CABINET - TOP VIEW 1/2**

Item	Part No	Description	Qty	uom
1	XA3594	BUS BAR	1	
2	GE1400	BUS BAR	1	
3	XA4250	BUS BAR	1	
4	XA4249	BUS BAR	1	
5	GE1401	BUS BAR	1	
6	GE1402	BUS BAR	1	
7	GE0756	LINK SENSOR	1	
8	GE1394	BUS BAR	1	
9	GE1396	BUS BAR	1	
10	VE4600	FLAT WASHER - #10		AS REQUIRED
11	XA4249	BUS BAR	1	
12	GE1404	BUS BAR	1	
13	GE1392	BUS BAR	2	
14	GE1403	BUS BAR	1	
15	XA3596	BUS BAR	1	
16	GE1402	BUS BAR	1	
17	58B-43-00660	BUS BAR	5	
18	GE1412	BUS BAR, VERTICAL	1	
19	WA0471	CAPSCREW - 1/2" - 13NC X 2 1/4"	1	
20	VE4699	LOCKWASHER - 1/2"		AS REQUIRED
21	VE4698	NUT - 1/2" - 13NC		AS REQUIRED
22	VE4519	FLAT WASHER - 1/2"		AS REQUIRED
23	VE3030	FLAT WASHER - 1/2"		AS REQUIRED
24	VE5062	CAPSCREW - 1/2" - 13NC	4	
25	GE0581	STUD	2	
26	PB3348	INSULATOR	26	
27	GE1381	FLAT WASHER - 5/16"		AS REQUIRED
28	VE4696	LOCKWASHER - 5/16"		AS REQUIRED
29	TR4731	CAPSCREW - 5/16" - 18NC X 1"	2	
30	XA3599	BASE ASSEMBLY	1	
31	SP8417	FLAT WASHER - 1/4"		AS REQUIRED
32	DC3584	LOCKWASHER - 1/4"		AS REQUIRED
33	VE5882	CAPSCREW - 1/4" - 20NC X 7/8"	6	
34	VE5013	NUT - 5/16" - 18NC	2	
35	VE5061	CAPSCREW - 1/2" - 13NC X 2 1/2"	6	
36	VE4687	LOCKWASHER - 3/8"		AS REQUIRED
37	GE1415	BRACKET ASSEMBLY	4	
38	GE0579	STUD	12	
39	WA0720	FLAT WASHER - 3/8" (HARDENED)		AS REQUIRED
40	TR4434	CAPSCREW - 3/8" - 16NC X 2"		13
41	VE4640	CAPSCREW - 3/8" - 16NC X 1 1/2"		AS REQUIRED
42	VE3918	WASHER		AS REQUIRED
43	TC1233	NUT - 3/8" - 16NC		AS REQUIRED

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



VIEW A-A

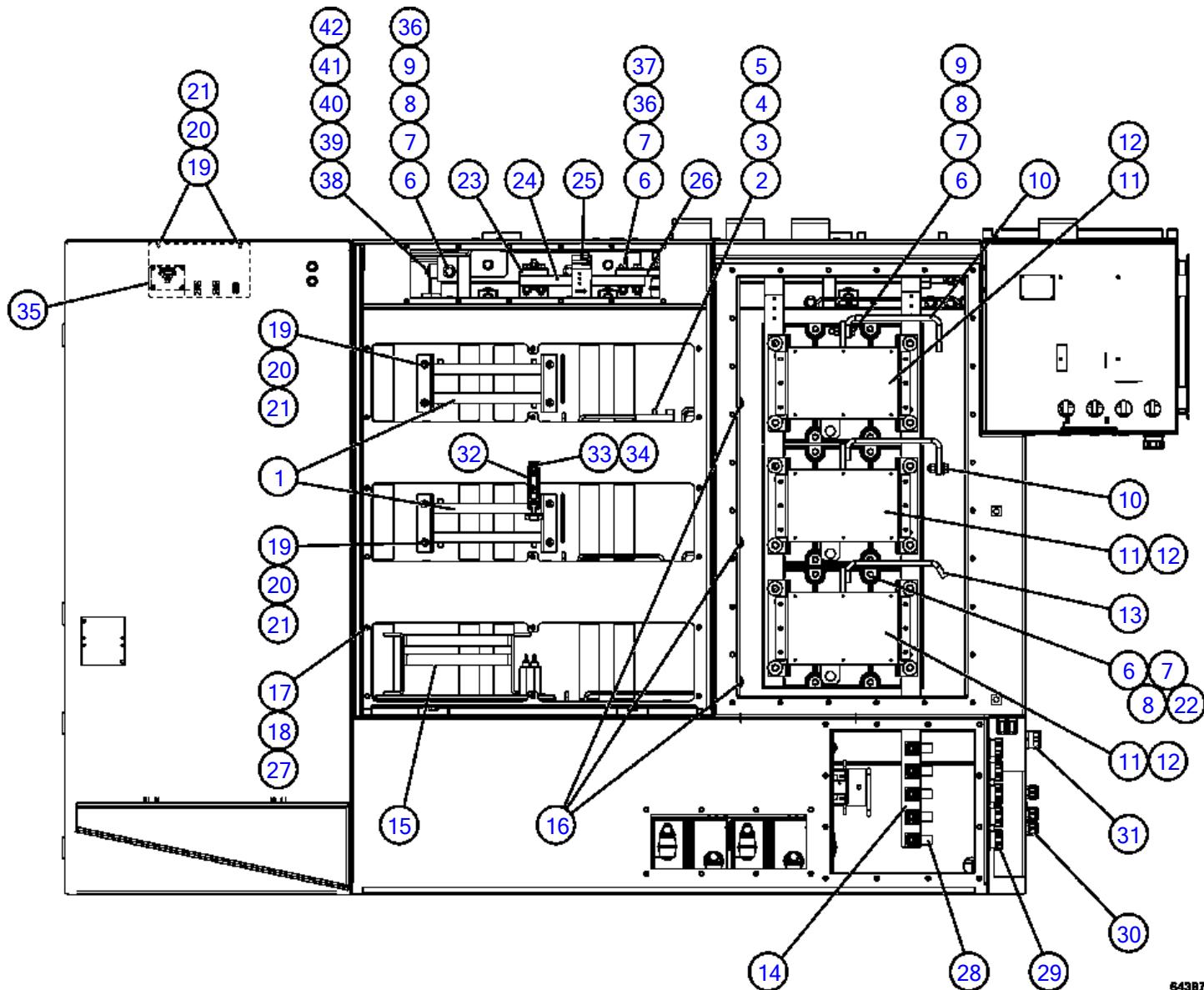
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AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**CONTROL CABINET - TOP VIEW 2/2**

Item	Part No	Description	Qty	uom
1	GE1379	PLUG	8	
2	XA3722	BRACKET, MOUNTING	6	
3	58B-43-00180	GROMMET, RUBBER	1	
4	XA5281	BRACKET, MOUNTING	6	
5	GE0170	SENSOR, AC-DC	12	
6	SF2755	NUT - #10 - 32NF		AS REQUIRED
7	VE4601	LOCKWASHER - #10		AS REQUIRED
8	VE4655	FLAT WASHER - #10		AS REQUIRED
9	VE4738	CAPSCREW		AS REQUIRED
10	VE4687	LOCKWASHER - 3/8"		AS REQUIRED
11	VE4515	FLAT WASHER - 3/8"		AS REQUIRED
12	PB3348	INSULATOR	12	
13	XA3143	STUD	12	
14	58B-43-00270	TERMINAL	12	
15	VE4519	FLAT WASHER - 1/2"	12	
16	VE4696	LOCKWASHER - 5/16"	12	
17	VE4698	NUT - 1/2" - 13NC	12	
18	58B-43-00290	COUPLING	1	
19	58B-43-00320	FITTING, INLINE FILTER	2	
20	58B-43-00390	TUBING, NYLON	1	
21	VE7202	WASHER - 1/4" (SPECIAL)	4	
22	DC3584	LOCKWASHER - 1/4"	4	
23	TD1549	NUT - 1/4" - 20NC	4	
24	PB4673	SWITCH, BLOWER PRESSURE	1	
25	58B-43-00380	ADAPTER	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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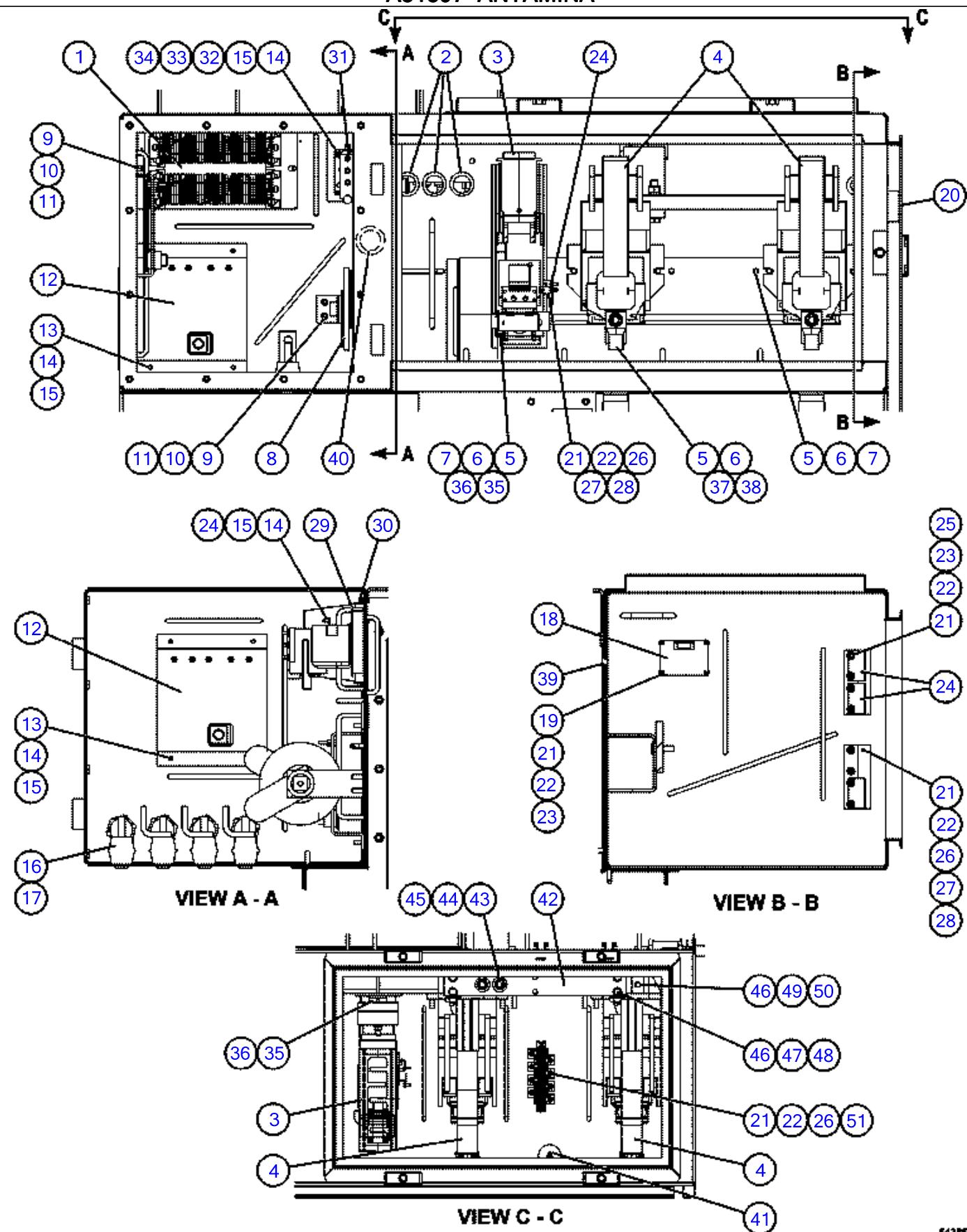


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## CONTROL CABINET - REAR VIEW

Item	Part No	Description	Qty	uom
1	GE0860	RESISTOR ASSEMBLY	2	
	GE1177	• RESISTOR	1	
	VE1959	• BUSHING	1	
	GE1342	• STRIP, CONNECTION	1	
2	BF0931	PANEL, AIR TEMPERATURE	1	
	VE5042	• BOARD, TERMINAL	1	
	BF0932	• SENSOR, THERMISTOR	1	
3	VE4343	FLAT WASHER - 5/16"		AS REQUIRED
4	VE4696	LOCKWASHER - 5/16"		AS REQUIRED
5	VE5013	NUT - 5/16" - 18NC		AS REQUIRED
6	VE4699	LOCKWASHER - 1/2"		AS REQUIRED
7	VE4698	NUT - 1/2" - 13NC		AS REQUIRED
8	VE4519	FLAT WASHER - 1/2"		AS REQUIRED
9	WA0471	CAPSCREW - 1/2" - 13NC X 2 1/4"		AS REQUIRED
10	GE1392	BUS BAR	2	
11	GE0876	BASE ASSEMBLY	3	
12	GE1387	PANEL, RECTIFIER (IGBT)	3	
	58E-43-10010	• DIODE	1	
13	GE1405	BUS BAR	1	
14	GE1404	BUS BAR	1	
15	GE0148	PANEL, FILTER ASSEMBLY	1	
	VE4379	• RESISTOR	3	
	VE0066	• RESISTOR - 250 OHM	6	
	VE3846	• CAPACITOR	3	
16	GE1416	GROMMET	3	
17	VE4601	LOCKWASHER - #10		AS REQUIRED
18	VJ6586	CAPSCREW - #10 - 32NF X 3/4"		AS REQUIRED
19	SP8417	FLAT WASHER - 1/4"		AS REQUIRED
20	DC3584	LOCKWASHER - 1/4"		AS REQUIRED
21	TD1549	NUT - 1/4" - 20NC		AS REQUIRED
22	VX0421	CAPSCREW - 1/2" - 13NC X 3 1/4"	12	
23	XA3594	BUS BAR	1	
24	XA3597	BUS BAR	1	
25	GE0756	LINK SENSOR	1	
26	XA3596	BUS BAR	1	
27	VE4655	FLAT WASHER - #10		AS REQUIRED
28	58B-43-00370	TERMINAL	5	
29	VZ2683	CORD GRIP	20	
30	GE0577	FITTING	4	
31	58B-43-00230	CONNECTOR	6	
32	58B-43-00330	LATCH, T-HANDLE	1	
33	VE4693	LOCKWASHER, SPLIT	2	
34	58B-43-00400	SCREW - #10 - 32NC X 1 1/4"	2	
35	58B-43-00310	SHIELD, GLASTIC	1	
36	VE3030	FLAT WASHER - 1/2"		AS REQUIRED
37	VE5062	CAPSCREW - 1/2" - 13NC	4	
38	VE4640	CAPSCREW - 3/8" - 16NC X 1 1/2"		AS REQUIRED
39	WA0720	FLAT WASHER - 3/8" (HARDENED)		AS REQUIRED
40	VE3918	WASHER		AS REQUIRED
41	VE4687	LOCKWASHER - 3/8"		AS REQUIRED
42	TC1233	NUT - 3/8" - 16NC (FOR VIEW A-A, SEE THE FOLLOWING PAGE.)		AS REQUIRED

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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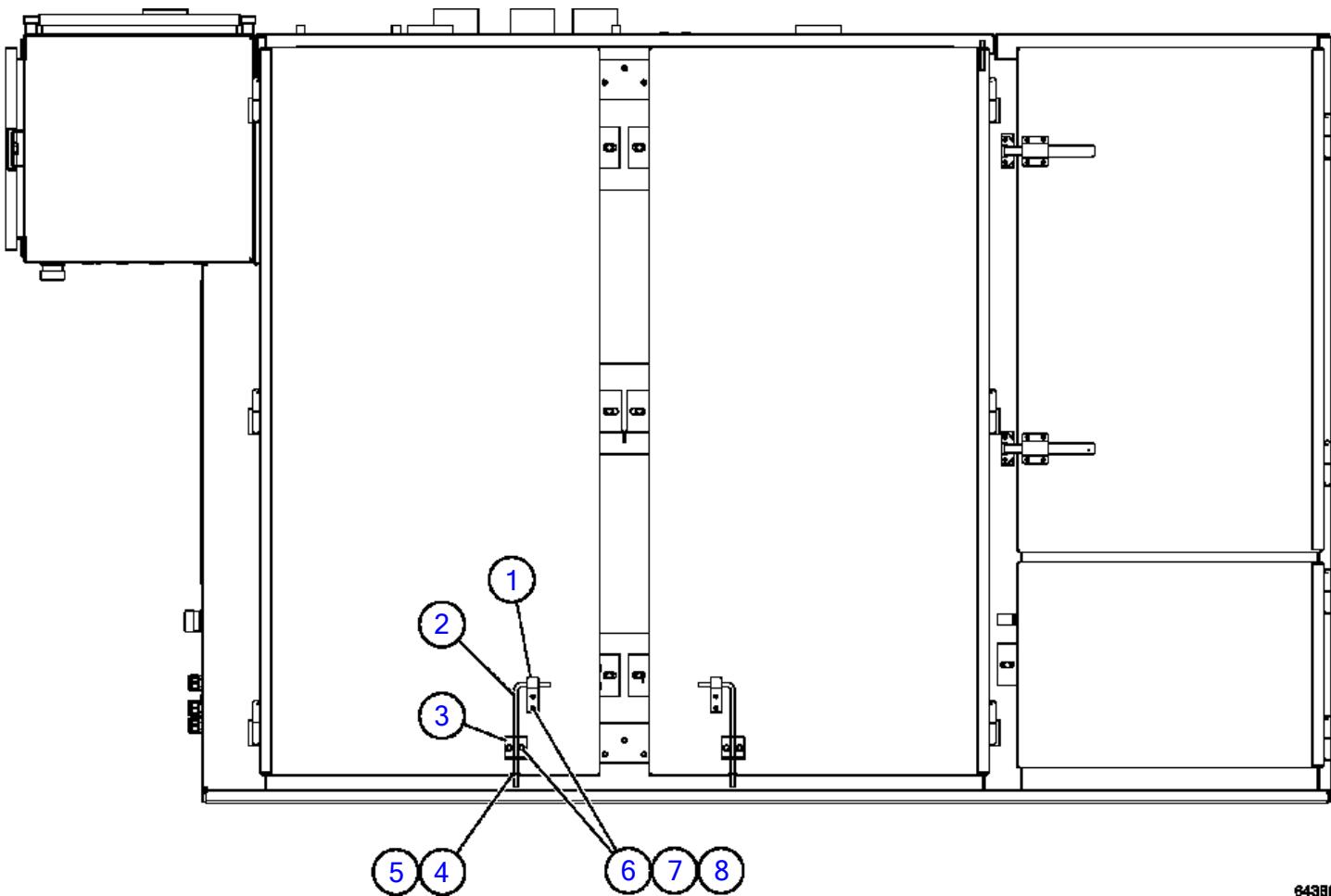


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## CONTROL CABINET - CONTACTOR BOX

Item	Part No	Description	Qty	uom	Page
1	GE0152	RESISTOR PANEL	1		
	VJ9059	• RESISTOR	2		
	PB2685	• CONTACT CLIP ASSEMBLY	2		
2	GE0861	GROMMET	3		
3	PB6137	CONTACTOR ASSEMBLY	1		
	VE3530	• INTERLOCK, POSITION SENSOR (SEE INDEX)	1		654
	VE1317	• CONTACTOR - GF & GFR (SEE INDEX)	1		652
4	GE1843	CONTACTOR ASSEMBLY - R.P. (SEE INDEX)	2		656
5	VE4687	LOCKWASHER - 3/8"		AS REQUIRED	
6	VE4515	FLAT WASHER - 3/8"		AS REQUIRED	
7	TC1233	NUT - 3/8" - 16NC		AS REQUIRED	
8	PB5230	RESISTOR, THYRITE	1		
9	VE4343	FLAT WASHER - 5/16"		AS REQUIRED	
10	VE4696	LOCKWASHER - 5/16"		AS REQUIRED	
11	VE5013	NUT - 5/16" - 18NC		AS REQUIRED	
12	GE0857	PANEL ASSEMBLY	1		
13	SP8417	FLAT WASHER - 1/4"		AS REQUIRED	
14	DC3584	LOCKWASHER - 1/4"		AS REQUIRED	
15	TD1549	NUT - 1/4" - 20NC		AS REQUIRED	
16	PB3348	INSULATOR	4		
17	XA3143	STUD	4		
18	GE0177	BOARD, PRINTED WIRE	1		
19	PB3606	SPACER	8		
20	XA3129	CAP, LENS	2		
21	VE4601	LOCKWASHER - #10		AS REQUIRED	
22	SF2755	NUT - #10 - 32NF		AS REQUIRED	
23	VE4600	FLAT WASHER - #10		AS REQUIRED	
24	BF4452	MODULE, SUPPRESSION	6		
25	VE4921	CAPSCREW - #10 - 32NF X 1"	8		
26	VE4655	FLAT WASHER - #10			AS REQUIRED
27	GE0219	SUPPORT, MODULE	2		
28	GE0220	SUPPORT, MODULE	2		
29	VJ6457	SHIELD	1		
30	VJ6456	SHIELD	1		
31	VG7043	RELAY - CPR & GFR (SEE INDEX)	1		646
32	VE7237	CAPSCREW - 1/4" - 20NC	4		
33	VE7202	WASHER - 1/4" (SPECIAL)	4		
34	VJ6455	BASE	1		
35	BF4223	BOLT, INSULATED	1		
36	BF3904	INSULATION	2		
37	VE4640	CAPSCREW - 3/8" - 16NC X 1 1/2"		AS REQUIRED	
38	GE1397	BUS, BAR	2		
39	GE1416	GROMMET	1		
40	58B-43-00260	GROMMET - 2" O.D.	1		
41	GE0594	BUSHING	1		
42	GE1395	BUS BAR	1		
43	VE4699	LOCKWASHER - 1/2"	2		
44	VE4698	NUT - 1/2" - 13NC	2		
45	VE4519	FLAT WASHER - 1/2"	2		
46	VE4687	LOCKWASHER - 3/8"	4		
47	VE4516	FLAT WASHER - 3/8"	4		
48	GE1420	CAPSCREW	4		
49	GE0579	STUD	1		
50	VE4500	CAPSCREW - 3/8" - 16NC X 1 3/4"	1		
51	58B-43-00211	BOARD, TERMINAL	1		

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

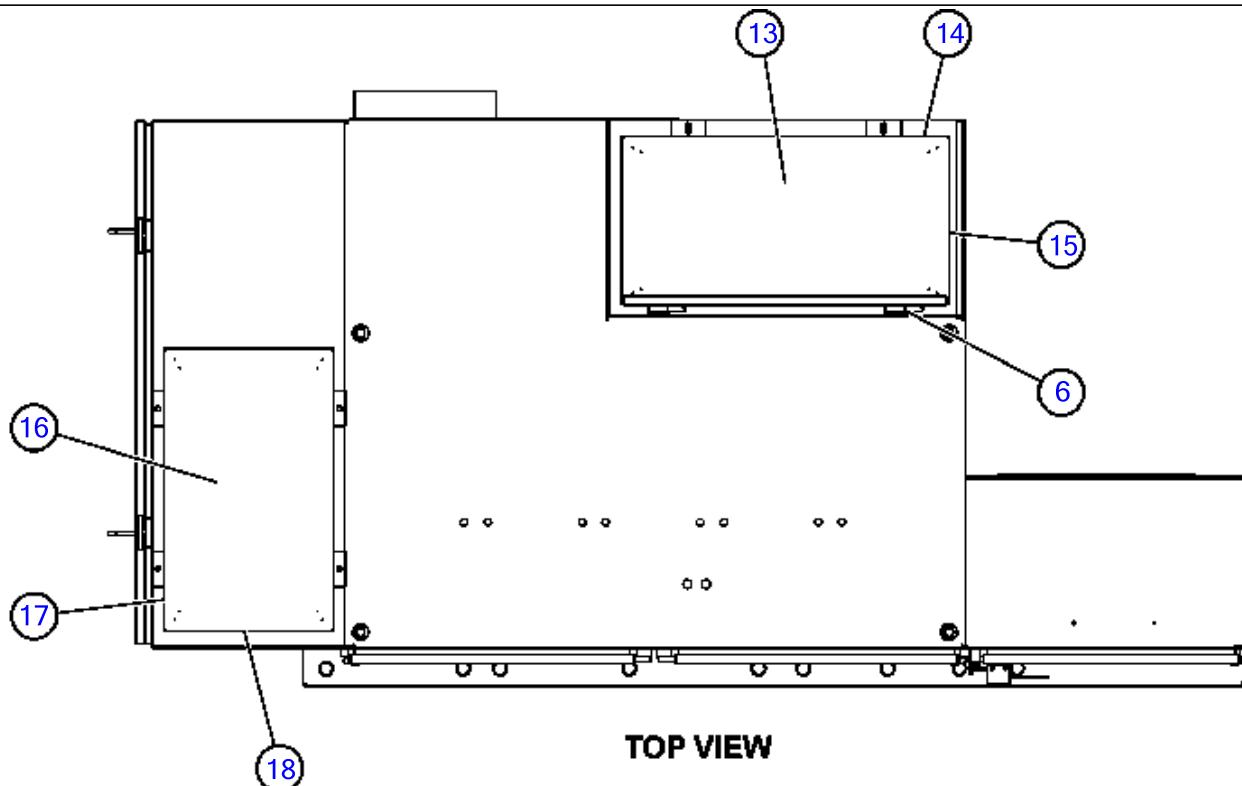


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31597 ANTAMINA

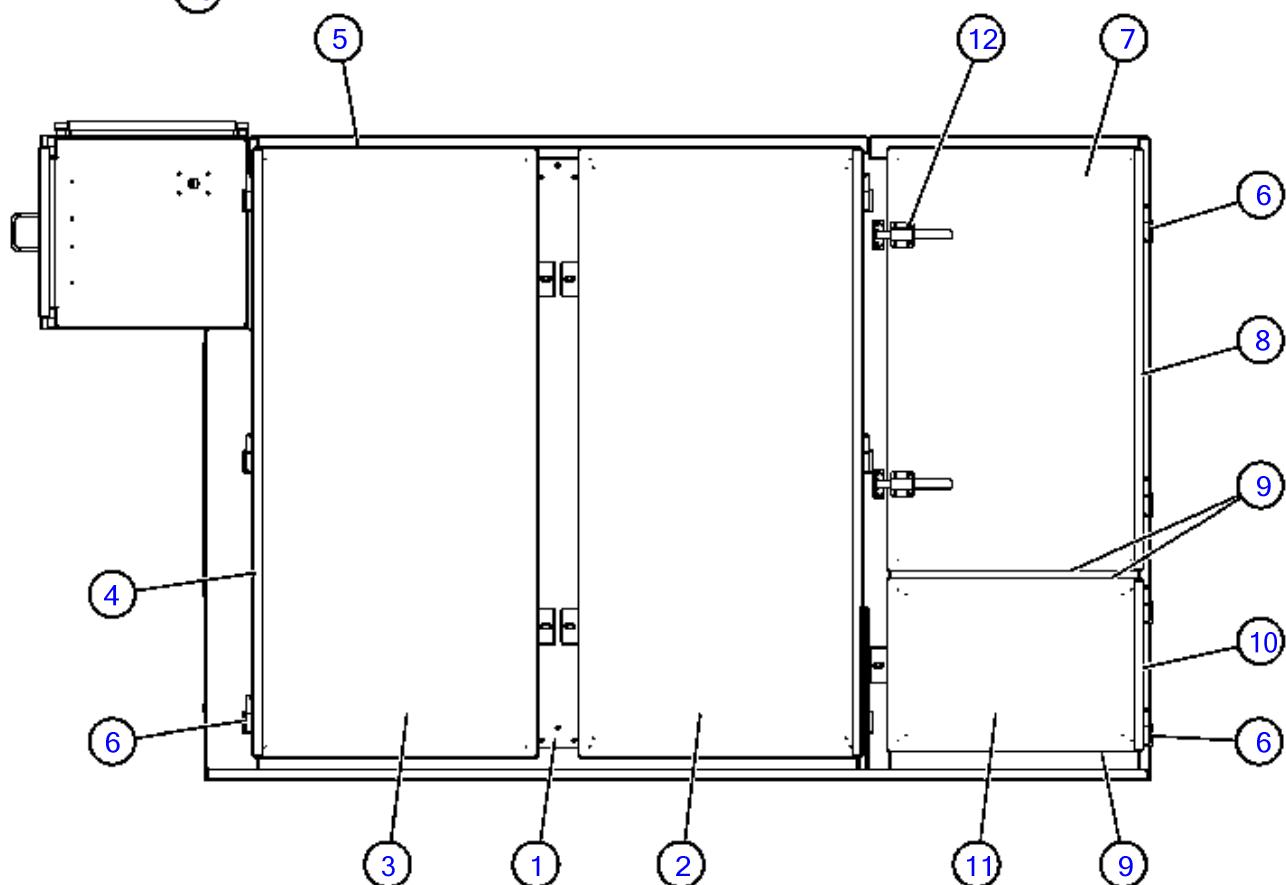
### CONTROL CABINET - DOOR STOPS

Item	Part No	Description	Qty
1	XA5306	BRACKET, DOOR	2
2	XA5305	ROD, DOOR STOP	2
3	XA5307	BRACKET, DOOR	2
4	XA5283	PIN, COTTER	2
5	VE4516	FLAT WASHER - 3/8"	2
6	XA5287	CAPSCREW - 1/4" - 20NC X 7/8"	4
7	DC3584	LOCKWASHER - 1/4"	4
8	SP8417	FLAT WASHER - 1/4"	4

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



TOP VIEW

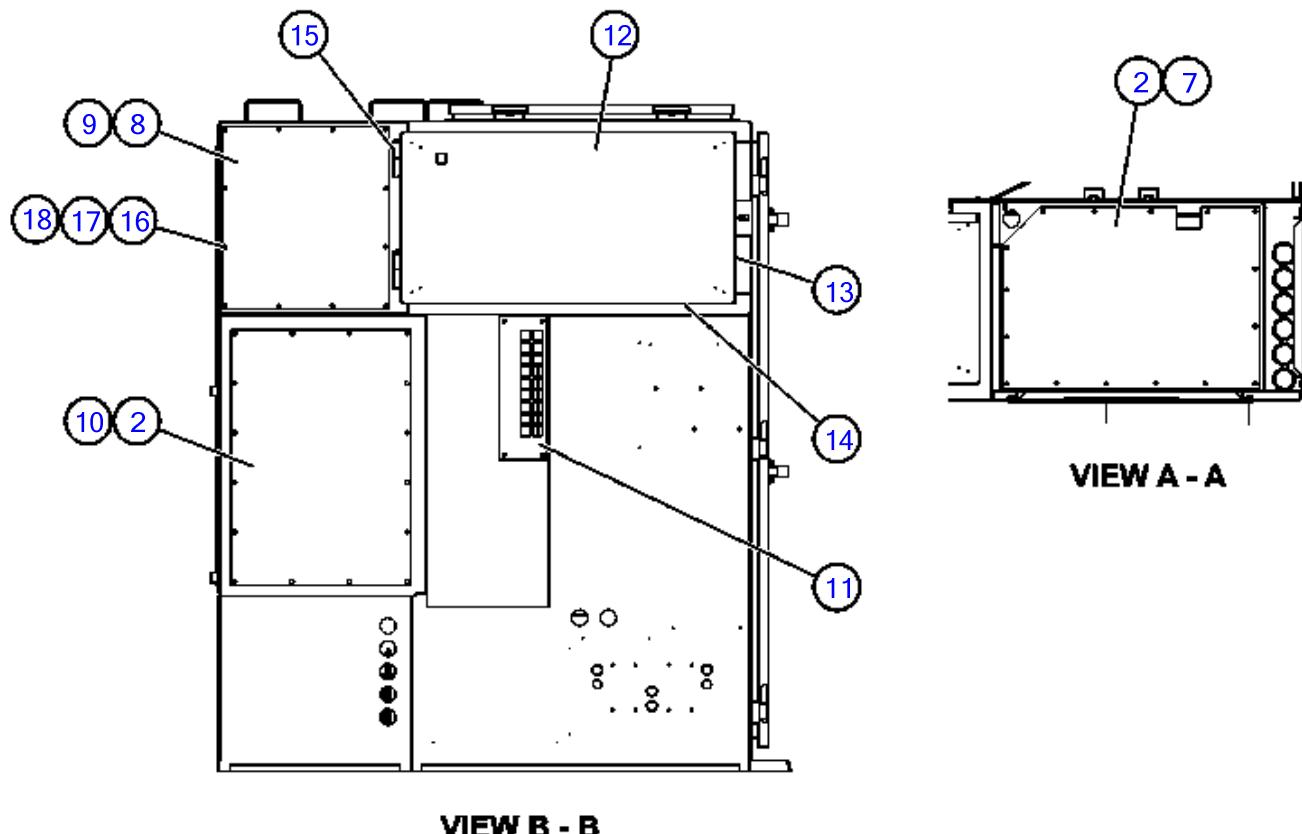
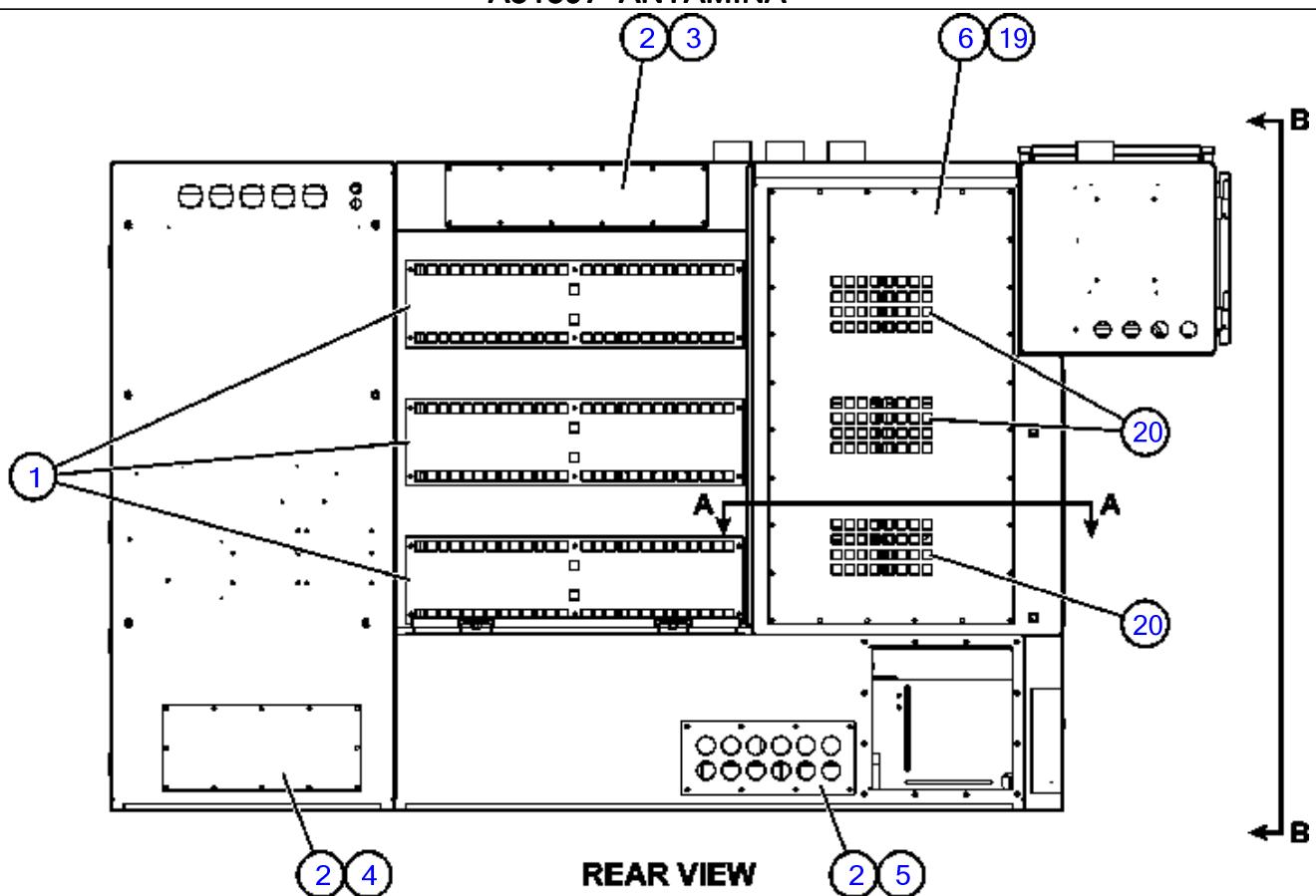


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**CONTROL CABINET - DOORS & COVERS 1/2 58B-43-00191**

Item	Part No	Description	Qty
1	XA5289	DOOR POST	1
2	XA5294	DOOR ASSEMBLY	1
3	XA5291	DOOR ASSEMBLY	1
4	GE1784	GASKET - 64.06"	4
5	GE1785	GASKET - 29.57" (1)	4
6	GE1771	HINGE	12
7	58B-43-00440	DOOR ASSEMBLY, RH	1
8	GE1782	GASKET - 44.29"	1
9	GE1776	GASKET - 26.62"	3
10	GE1777	GASKET - 17.85" (1)	2
11	GE1775	DOOR ASSEMBLY	1
12	GE1242	LATCH & KEEPER	2
13	58B-43-00430	DOOR ASSEMBLY, LH	1
14	GE1779	GASKET - 34.17"	2
15	GE1780	GASKET - 17.30" (1)	2
16	58B-43-00420	DOOR ASSEMBLY, CONTACTOR BOX	1
17	GE1772	GASKET - 17.54" (1)	2
18	GE1774	GASKET - 29.41"	2
NS		NOTE: (1) USE VJ2672 CEMENT TO INSTALL THE GASKET.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

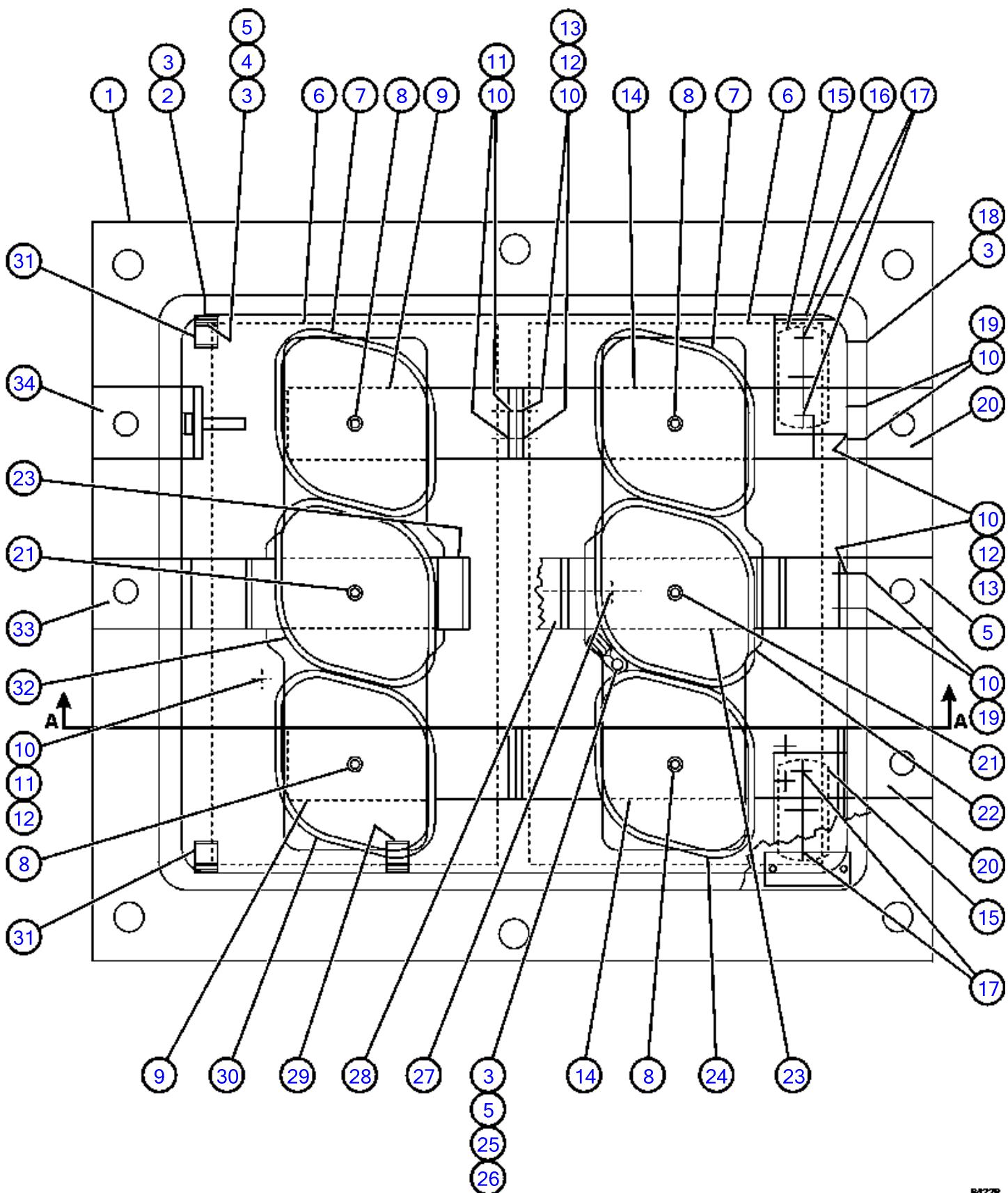


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**CONTROL CABINET - DOORS & COVERS 2/2 58B-43-00191**

Item	Part No	Description	Qty	uom
1	58B-43-00650	COVER	3	
2	GE0265	GASKET (1)		AS REQUIRED
3	GE1787	COVER ASSEMBLY	1	
4	GE1789	COVER ASSEMBLY	1	
5	GE1791	COVER ASSEMBLY	1	
6	GE1792	COVER ASSEMBLY	1	
7	GE1794	COVER ASSEMBLY	1	
8	GE0297	GASKET (1)		AS REQUIRED
9	GE1793	COVER ASSEMBLY	1	
10	GE1788	COVER ASSEMBLY	1	
11	GE1795	COVER	1	
12	GE1769	DOOR ASSEMBLY - CONTACTOR BOX	1	
13	GE1772	GASKET - 17.54"	1	
14	GE1770	GASKET - 34.50"	1	
15	GE1771	HINGE	2	
16	VE4349	CAPSCREW - 5/16" - 18NC	12	
17	VE5762	FLAT WASHER - 5/16"	12	
18	VE4696	LOCKWASHER - 5/16"	12	
19	58B-43-00450	GASKET - 7/8" X 1/8"		AS REQUIRED
20	58B-43-00460	GASKET - 1" X 3/8"		AS REQUIRED
NS		NOTE: (1) USE VJ2672 CEMENT TO INSTALL THE GASKET.		

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

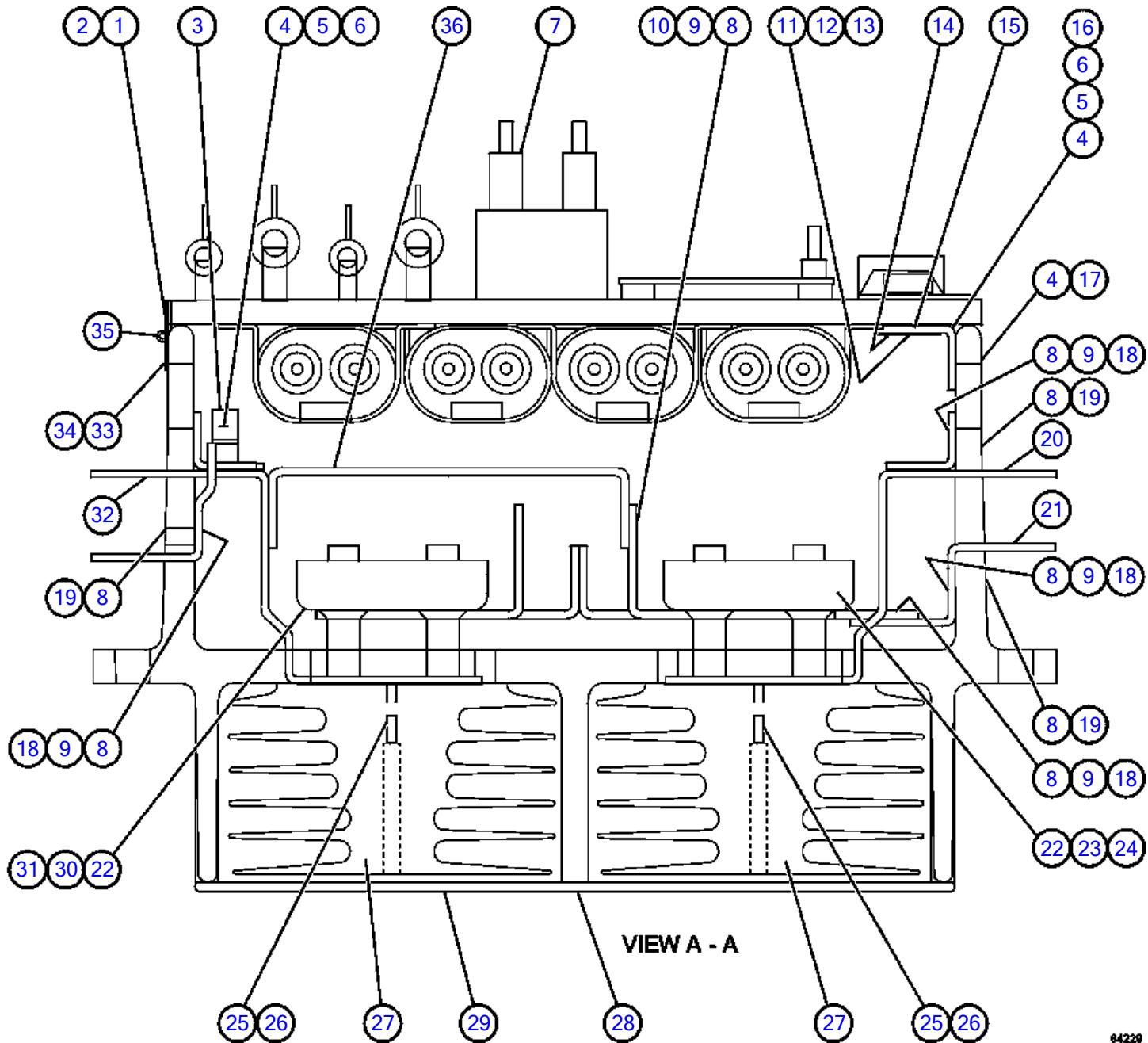


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

PANEL - A.F.S.E. 1/2 58B-43-00220

Item	Part No	Description	Qty	uom
1	VE5127	BOX, PANEL	1	
2	VE4921	CAPSCREW - #10 - 32NF X 1"	3	
3	VS6662	FLAT WASHER - #10		AS REQUIRED
4	SF2755	NUT - #10 - 32NF	3	
5	VE4601	LOCKWASHER - #10	9	
6	VE5128	HEAT SINK	2	
7	VE0036	DIODE	2	
8	VP9525	PIN	4	
9	VE0301	BAR, BUS	2	
10	VE7202	WASHER - 1/4" (SPECIAL)		AS REQUIRED
11	VE4480	CAPSCREW - 1/4" - 20NC X 1"	12	
12	DC3584	LOCKWASHER - 1/4"		AS REQUIRED
13	TD1549	NUT - 1/4" - 20NC		AS REQUIRED
14	VE0302	BAR, BUS	2	
15	VE4382	RECEPTACLE	2	
16	VE5098	SUPPORT	2	
17	VE4383	SCREW - #4 - 40NC X 1/2"	4	
18	VE5156	CAPSCREW - #10 - 32NF X 7/8"	4	
19	VE6320	CAPSCREW - 1/4" - 20NC X 1 1/8"	10	
20	VE0297	BAR, BUS	2	
21	VE5136	ROLLPIN	2	
22	GE1214	RECTIFIER	1	
23	VE0299	BAR, BUS	2	
24	GE1211	RECTIFIER	1	
25	VJ9161	CAPSCREW - #10 - 32NF X 1/2"	6	
	VE7272	SEALANT		AS REQUIRED
26	BF0932	SENSOR, THERMISTOR		AS REQUIRED
27	VE5131	SCREW - 1/4" - 20NC X 1/2"	1	
28	VE2604	BAR, BUS	1	
29	VE6323	CLAMP, CABLE	2	
30	GE1212	RECTIFIER	1	
31	VE4917	CLAMP, CABLE	3	
32	GE1213	RECTIFIER	1	
33	VE3217	BAR, BUS	1	
34	VE5129	BAR, BUS - W/ SCREW (SEE FOLLOWING PAGE FOR VIEW A-A.)	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



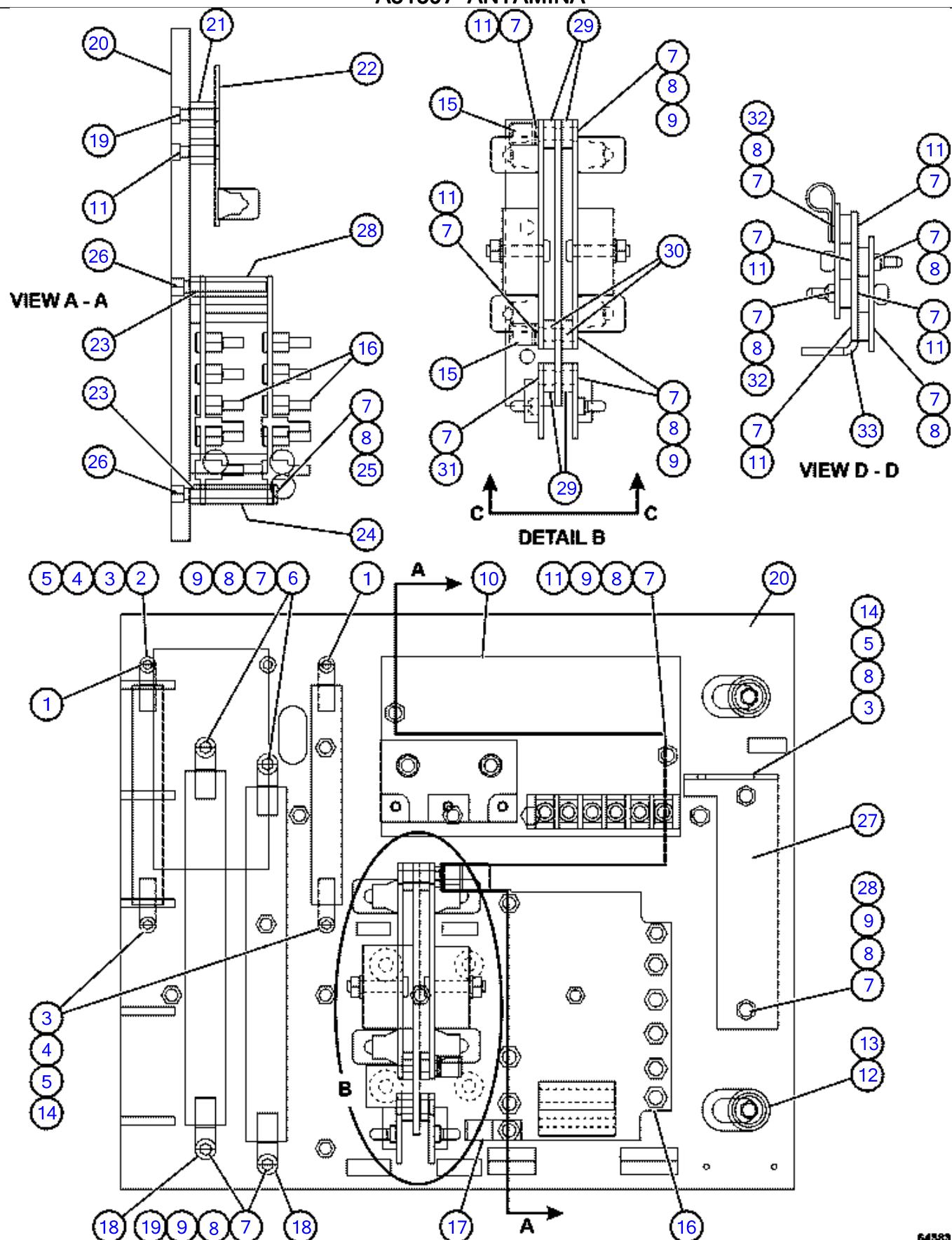
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AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

PANEL - A.F.S.E. 2/2 58B-43-00220

Item	Part No	Description	Qty	uom	Page
1	VE4913	SCREW (SPECIAL)	5		
2	VE4604	FLAT WASHER - #8 (NARROW)	3	AS REQUIRED	
3	VE4917	CLAMP, CABLE	3	AS REQUIRED	
4	VS6662	FLAT WASHER - #10	9	AS REQUIRED	
5	VE4601	LOCKWASHER - #10	3		
6	SF2755	NUT - #10 - 32NF	1		642
7	58B-43-00480	PANEL COVER ASSEMBLY (SEE INDEX)	1		
8	VE7202	WASHER - 1/4" (SPECIAL)	2	AS REQUIRED	
9	DC3584	LOCKWASHER - 1/4"	4	AS REQUIRED	
10	VE4650	CAPSCREW - 1/4" - 20NC X 3/4"	4		
11	VE4907	FLAT WASHER - 1/4"	4		
12	VE4908	LOCKWASHER - 1/4"	4		
13	VE4909	NUT - #4 - 40NC	4		
14	VE4382	RECEPTACLE	2		
15	VE4383	SCREW - #4 - 40NC X 1/2"	2		
16	VE5098	SUPPORT	4		
17	VE5156	CAPSCREW - #10 - 32NF X 7/8"	10		
18	TD1549	NUT - 1/4" - 20NC	1	AS REQUIRED	
19	VE6320	CAPSCREW - 1/4" - 20NC X 1 1/8"	1		
20	VE5130	BAR, BUS	2		
21	VE0297	BAR, BUS	2		
22	VE0036	DIODE	1		
23	GE1211	RECTIFIER	1		
24	GE1214	RECTIFIER	1		
	58B-43-00490	CLAMP, CABLE - 5/16"	1		
25	VP9525	PIN	4		
26	VE5136	ROLLPIN	2		
27	VE5128	HEAT SINK	2		
28	VE4915	SCREW - #8 X 1/2"	9		
29	VE4389	SHIELD, INSULATION	1		
30	GE1212	RECTIFIER	1		
31	GE1213	RECTIFIER	1		
32	VE3217	BAR, BUS	1		
33	VE4912	SCREW - #8 X 5/8"	5		
34	VE4604	FLAT WASHER - #8 (NARROW)	1	AS REQUIRED	
35	VE4911	HINGE	1		
36	VE2604	BAR, BUS	1		

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
 A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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**A31597 ANTAMINA**

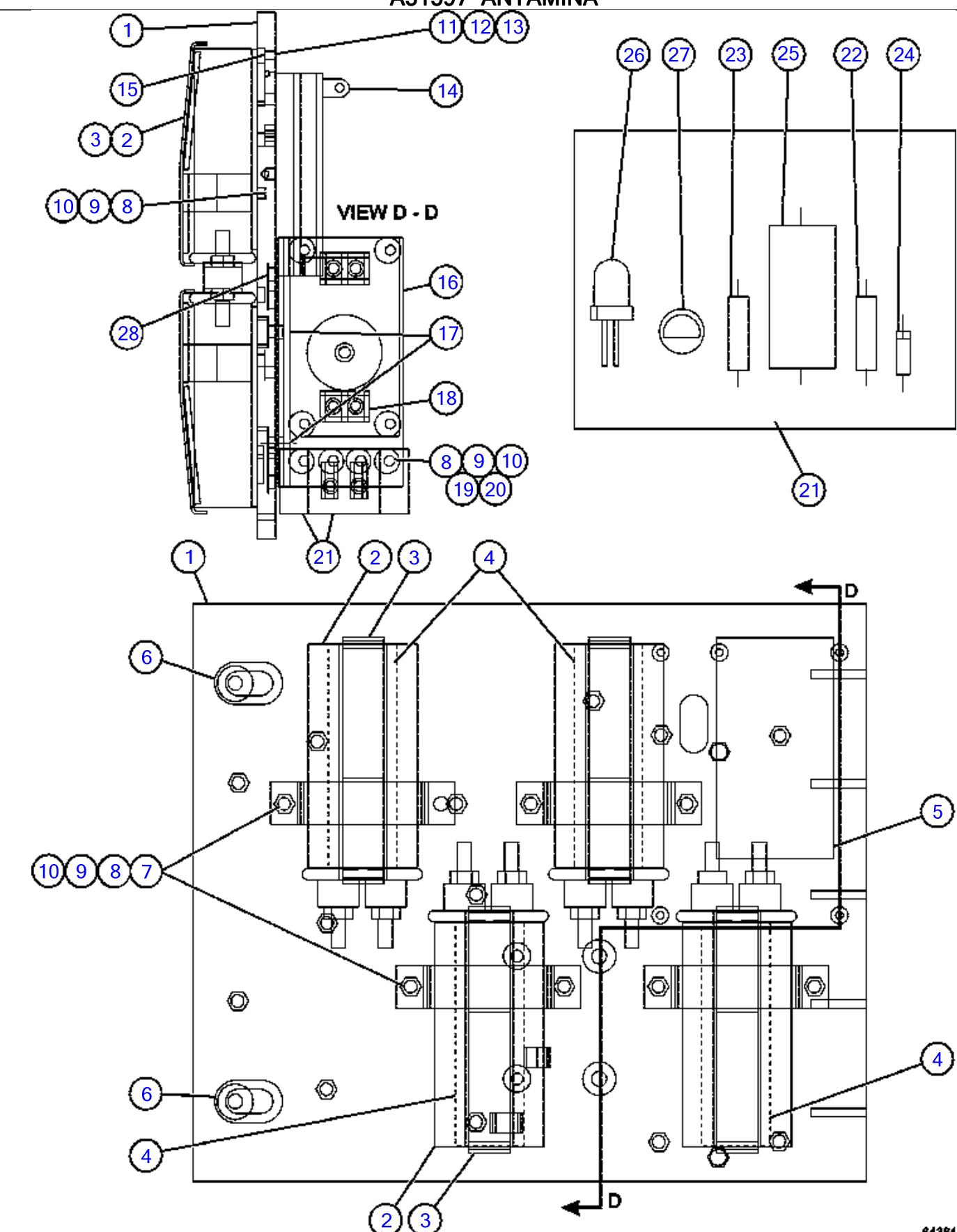


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

A.F.S.E. PANEL COVER ASSEMBLY 1/2 58B-43-00480

Item	Part No	Description	Qty	uom
1	VS6823	RESISTOR	2	
2	VE5976	SCREW - #6 - 40NF X 7/8"	1	
3	HE5125	FLAT WASHER - #6	4	
4	DF4944	LOCKWASHER - #6	4	
5	VE5959	NUT	4	
6	VJ6586	CAPSCREW - #10 - 32NF X 3/4"	10	
7	VS6662	FLAT WASHER - #10		AS REQUIRED
8	VE4601	LOCKWASHER - #10		AS REQUIRED
9	SF2755	NUT - #10 - 32NF		AS REQUIRED
10	VE0687	MODULE	1	
11	VE5974	SCREW - #10 - 32NF X 1 1/8"	5	
12	VE5972	SCREW, CAPTIVE	2	
13	58B-43-00600	WASHER, RETAINING	2	
14	VP9597	SCREW - #6 - 40NF X 5/8"	3	
15	VE5133	CLAMP, CABLE	2	
16	58B-43-00620	MODULE	2	
17	VE4917	CLAMP, CABLE	1	
18	58B-43-00510	RESISTOR	2	
19	VE4921	CAPSCREW - #10 - 32NF X 1"	7	
20	58B-43-00500	BASE	1	
21	PB3606	SPACER	2	
	VE7272	SEALANT		AS REQUIRED
22	VE0687	MODULE	1	
23	VE5971	WASHER	4	
24	58B-43-00630	SPACER	4	
25	VJ9161	CAPSCREW - #10 - 32NF X 1/2"	4	
26	VE5156	CAPSCREW - #10 - 32NF X 7/8"	4	
27	58B-43-00580	BRACKET	1	
28	VE4610	SCREW - #10 - 32NF X 5/8"	4	
29	GE0236	WASHER	4	
30	VE4597	WASHER - 1/2"	8	
31	VE5975	SCREW	2	
32	VE4385	CAP NUT	4	
33	58B-43-00590	BRACKET	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



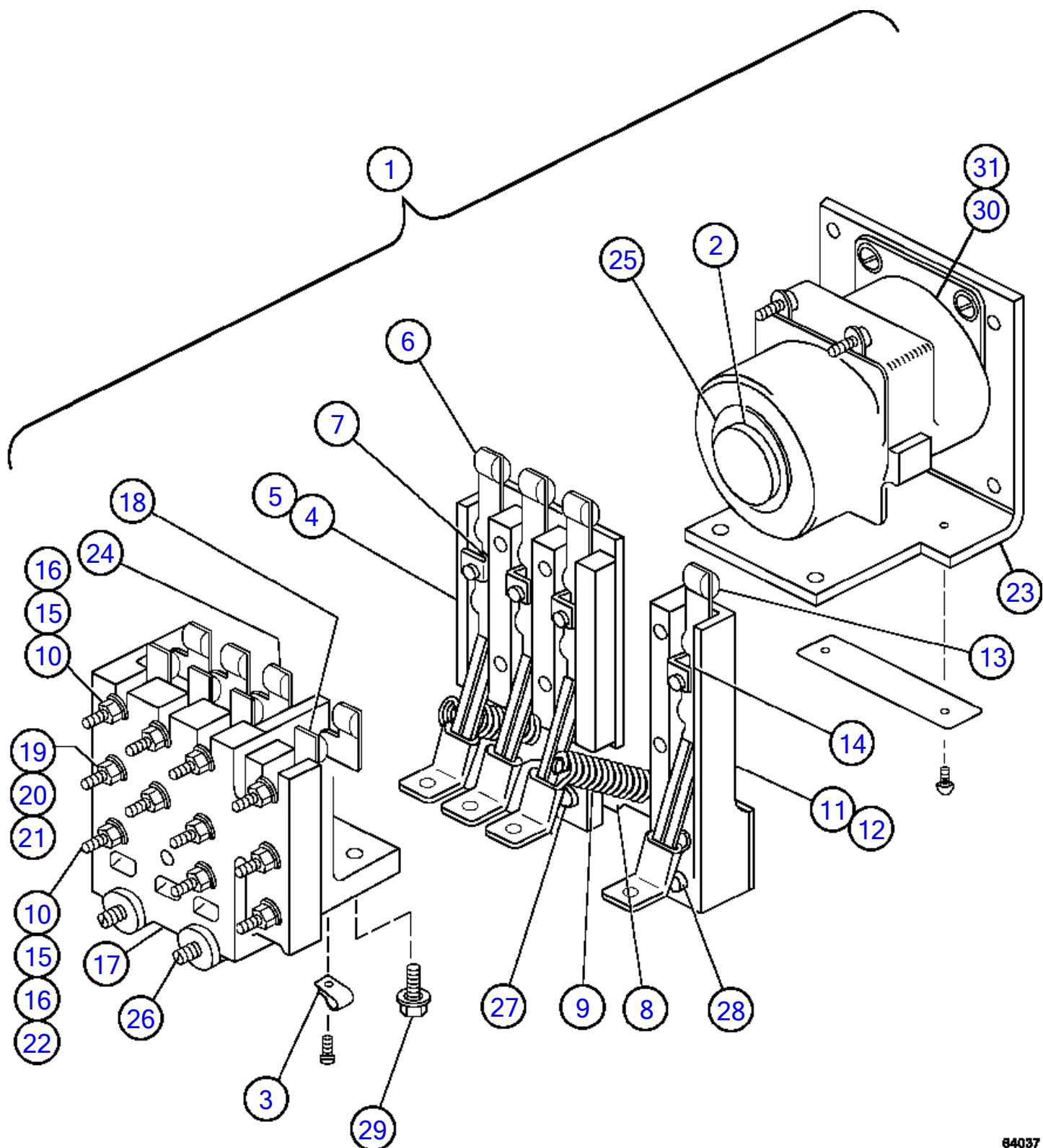
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AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

A.F.S.E. PANEL COVER ASSEMBLY 2/2 58B-43-00480

Item	Part No	Description	Qty	uom
1	58B-43-00500	BASE	1	
2	VE3847	CONDENSER	4	
3	VE5967	CLAMP	4	
4	58B-43-00610	GASKET	4	
5		DECAL (1)	1	
6	58B-43-00600	WASHER, RETAINING	2	
7	VJ6586	CAPSCREW - #10 - 32NF X 3/4"	10	
8	VS6662	FLAT WASHER - #10		AS REQUIRED
9	VE4601	LOCKWASHER - #10		AS REQUIRED
10	SF2755	NUT - #10 - 32NF		AS REQUIRED
11	HE5125	FLAT WASHER - #6	4	
12	DF4944	LOCKWASHER - #6	4	
13	VE5959	NUT	4	
14	VS6823	RESISTOR	2	
15	VE5976	SCREW - #6 - 40NF X 7/8"	1	
16	58B-43-00590	BRACKET	1	
17	VE4610	SCREW - #10 - 32NF X 5/8"	4	
18	XA5817	MODULE	2	
	58B-43-00520	· RESISTOR	2	
	58B-43-00530	· CAPACITOR	2	
	58B-43-00540	· DIODE	2	
	58B-43-00550	· TRANSFORMER	2	
	58B-43-00560	· BOARD, TERMINAL	2	
	58B-43-00570	· RESISTOR	2	
	VE6548	· CAPACITOR	2	
19	VE4597	WASHER - 1/2"	8	
20	VE5974	SCREW - #10 - 32NF X 1 1/8"	5	
21	VS6820	MODULE	2	
22	VS6990	· RESISTOR	2	
23	VS6996	· RESISTOR	2	
24	VE2616	· DIODE	2	
25	VS7210	· CAPACITOR	2	
26	VS7214	· DIODE	2	
27	VS6610	· TRANSIPAD	2	
28	VP9597	SCREW - #6 - 40NF X 5/8"	3	
NS		NOTE: (1) NOT SERVICED SEPARATELY.		

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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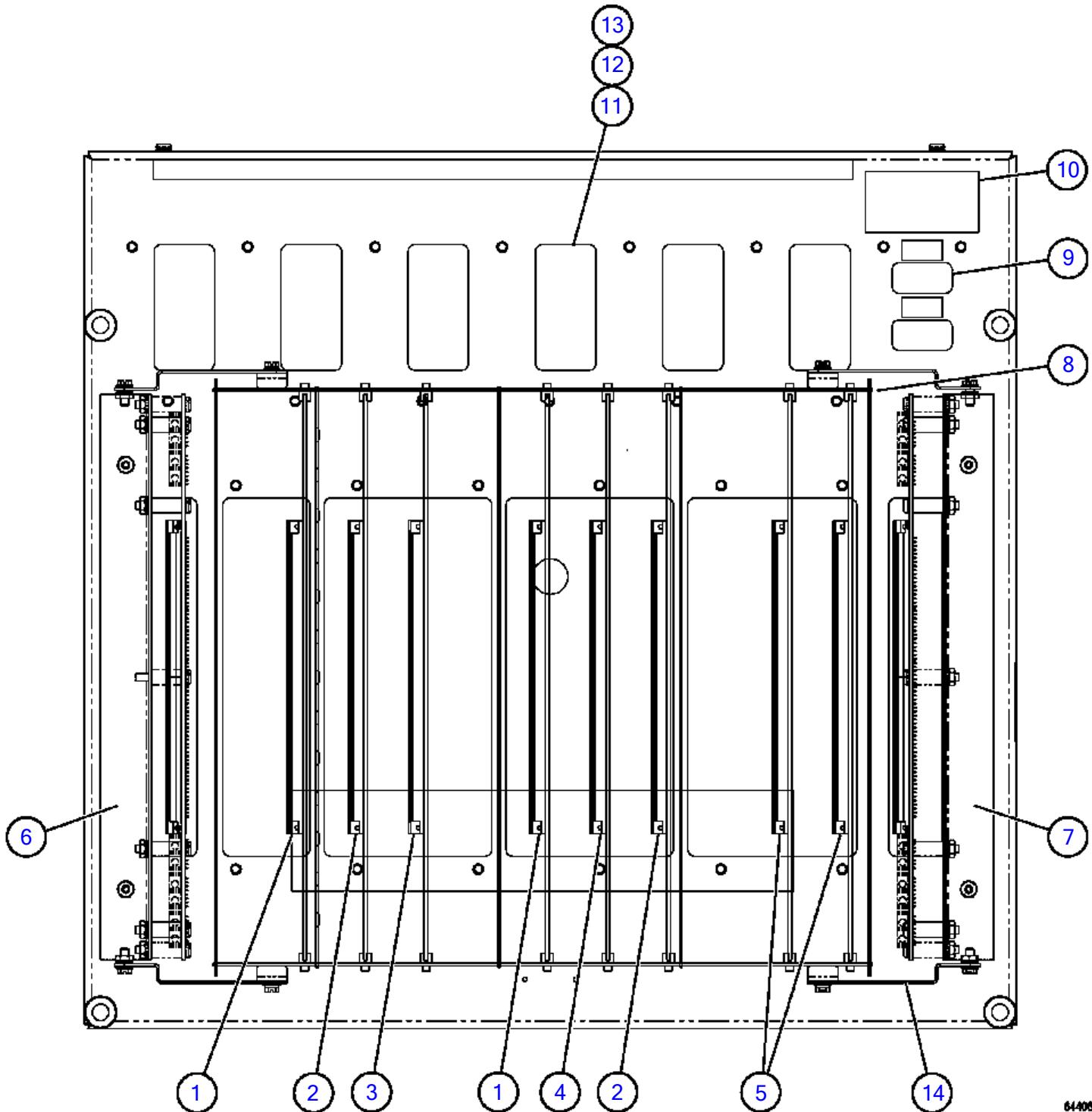
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AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**RELAY - CPR & GFR      VG7043**

Item	Part No	Description	Qty
1	VG7043	RELAY - CPR & GFR	1
2	VS8980	CORE	1
3	VS9161	CLAMP	1
4	VP9576	ARMATURE	1
5	VS9254	ARMATURE	1
6	VM0251	FINGER/TIPS AND SHUNT	3
7	VM0240	SPRING	3
8	VS9224	SEAT, SPRING	1
9	VM0241	SPRING	2
10	DC3101	LOCKWASHER - #10	4
11	VP9587	FINGER	1
12	VS9255	BASE	1
13	VM0251	FINGER/TIPS AND SHUNT	1
14	VM0240	SPRING	1
15	VS6662	FLAT WASHER - #10	4
16	SF2755	NUT - #10 - 32NF	4
17	VS9223	SUPPORT	1
18	VM0226	CONTACT	4
19	VS6662	FLAT WASHER - #10	8
20	DC3101	LOCKWASHER - #10	8
21	SF2755	NUT - #10 - 32NF	8
22	VJ9235	MACHINE SCREW - #10 - 32NF X 7/8"	4
23	VS9284	MAGNET FRAME	1
24	VM0227	CONTACT	4
25	VJ9163	FLAT WASHER	1
26	VJ9159	MACHINE SCREW / WASHERS - #10 - 32NF X 3/8"	2
27	H2643	LOCKWASHER - #10	2
28	VP9593	CAPSCREW / WASHERS	2
29	VJ9162	CAPSCREW / WASHERS - 1/4" - 20NC X 3/4"	2
30	C5747	CAPSCREW - 5/16" - 18NC X 3/4"	1
31	VM0278	COIL, OPERATING	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



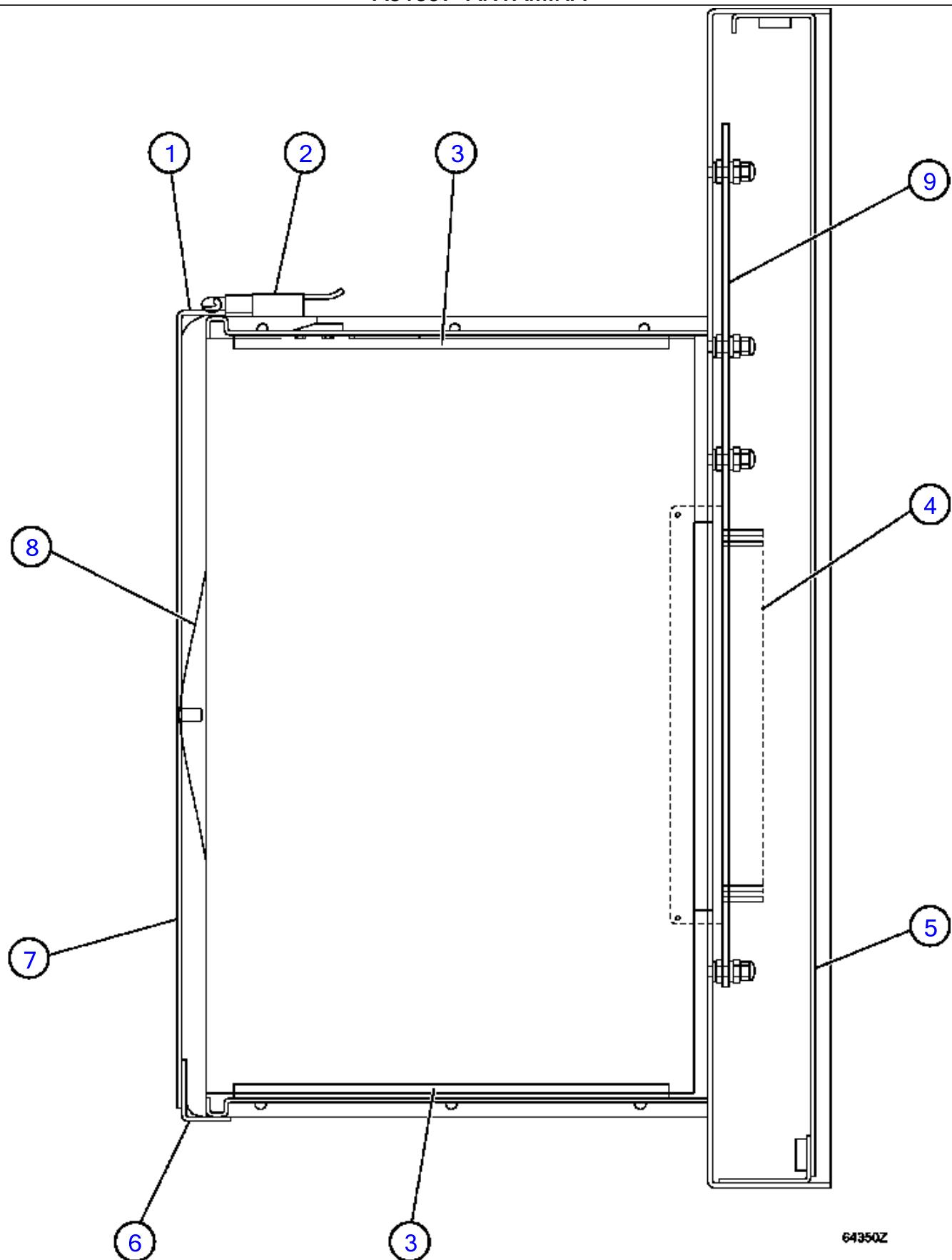
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 A31597 ANTAMINA

PANEL - ICP 1/2 58B-43-00201

Item	Part No	Description	Qty
1	58F-43-00160	CARD (187)	2
2	GE0309	CARD (104)	2
3	58F-43-00170	CARD (173)	1
4	XA4228	CARD (160)	1
5	58F-43-00180	CARD (190)	2
6	58E-43-00400	MODULE ASSEMBLY	1
7	58E-43-00410	MODULE ASSEMBLY	1
8	GE1500	COVER ASSEMBLY	1
9	GE1207	RECEPTACLE	2
10	VE8776	DECAL, WARNING	1
11	PB2076	PIN, GUIDE (MALE)	12
12	PB2075	PIN, GUIDE (FEMALE)	12
13	GE1206	CONNECTOR	6
14	58E-43-00420	BRACKET	4
NS		NOTE: NS = NOT SHOWN	
NS	58F-43-00190	STICKER, INVERTEX (SEE FOLLOWING PAGE FOR BALANCE OF PARTS.)	1
NS			

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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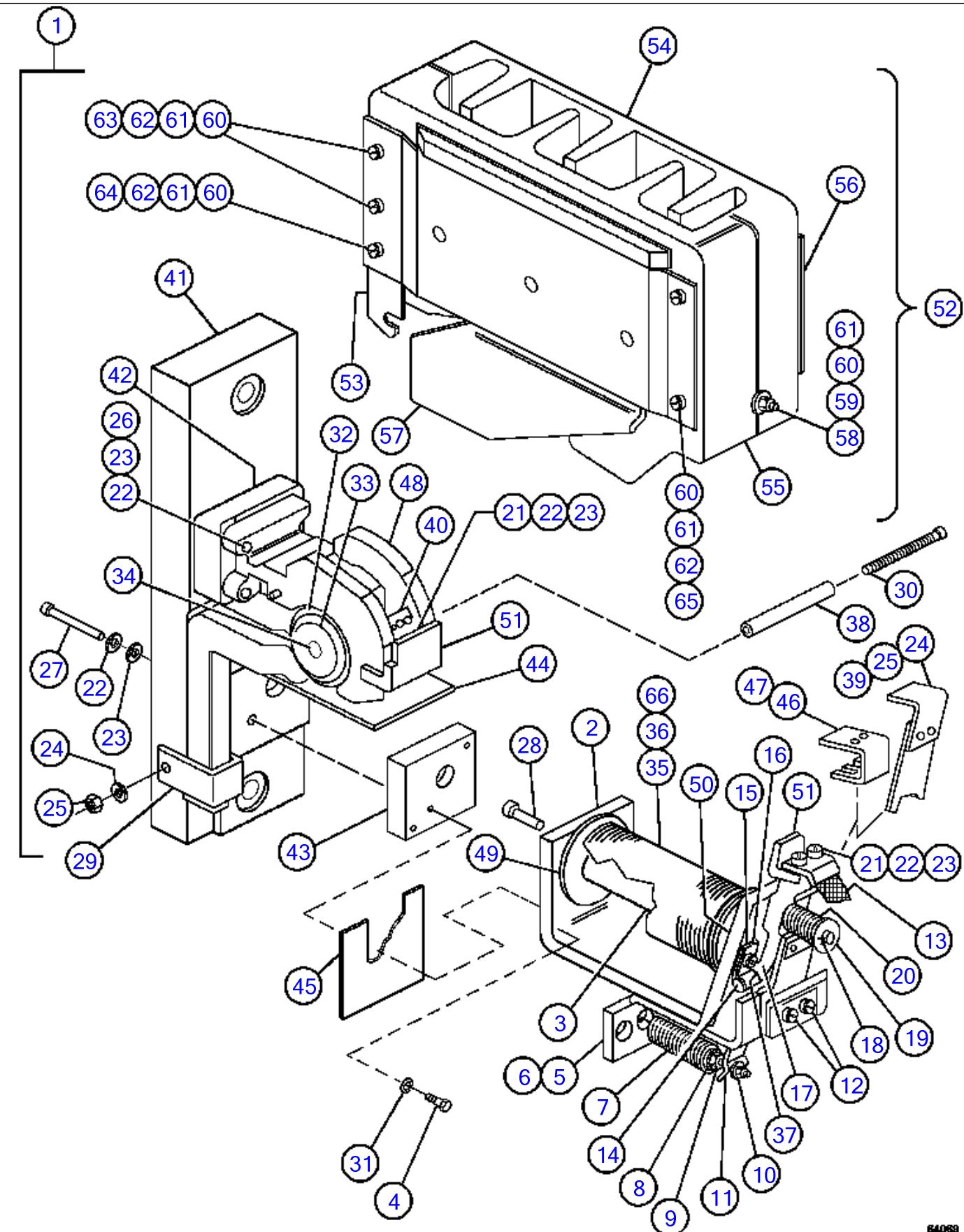
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 A31597 ANTAMINA

PANEL - ICP 2/2 58B-43-00201

Item	Part No	Description	Qty
1	VE8183	STRIKE	2
2	VE8181	CATCH	2
3	VE8180	GUIDE, CARD	16
4	GE1205	CONNECTOR - 210 CIRCUITS	12
5	GE1204	COVER	1
6	GE1501	HINGE	1
7	VE8775	DECAL, CAUTION	1
8	VE8188	SPRING	2
9	GE1483	BACKPLANE (SEE PRECEDING PAGE FOR BALANCE OF PARTS.)	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



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AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31597 ANTAMINA

## CONTACTOR - GF & GFR

## VE1317

Item	Part No	Description	Qty	Page
1	VE1317	CONTACTOR - GF & GFR (SEE INDEX)	1	652
2	VS8925	MAGNET, FRAME	1	
3	VS8908	CORE	1	
4	VS9207	MACHINE SCREW / LOCKWASHER - #8 - 36NF X 1/2"	1	
5	VS9322	FRAME, SPRING BRACKET	1	
6	VK0979	CAPSCREW / LOCKWASHER - 3/8" - 16NC X 3/4"	2	
7	VM0242	SPRING W/ PLUG	1	
8	VE5771	LOCKWASHER - #10 (EXTERNAL TOOTH)	1	
9	SF2755	NUT - #10 - 32NF	1	
10	VS9034	MACHINE SCREW - #10 - 32NF X 2 7/16"	1	
11	BF1890	ARMATURE ASSEMBLY	1	
12	R3869	CAPSCREW - 5/16" - 18NC X 5/8"	2	
	C1538	LOCKWASHER - 5/16"	2	
13	VM0275	SHUNT	1	
14	VS9172	PIN	1	
15	VS9171	CLAMP	2	
16	VS9209	MACHINE SCREW / LOCKWASHER - #10 - 32NF X 1/2"	2	
17	VS8285	CONTACT ARM	1	
18	VE5761	COTTER PIN	1	
19	VS9175	SEAT, SPRING	1	
20	VM0253	SPRING	1	
21	VJ7860	CAPSCREW - 5/16" - 18NC X 1 1/4"	4	
22	VE4696	LOCKWASHER - 5/16"	8	
23	AK1960	FLAT WASHER - 5/16"	8	
24	DC3584	LOCKWASHER - 1/4"	3	
25	VE4347	NUT	3	
26	VE2250	CAPSCREW - 5/16" - 18NC X 2 1/4"	2	
27	VE2249	CAPSCREW - 5/16" - 18NC X 2"	2	
28	C1603	CAPSCREW - 3/8" - 16NC X 1 1/4"	1	
	C0312	LOCKWASHER - 3/8"	1	
29	VJ8979	CLAMP	1	
30	VJ9150	CAPSCREW - 1/4" - 20NC X 3 1/2"	1	
31	VE4604	FLAT WASHER - #8 (NARROW)	1	
32	VJ8710	INSULATION FLANGE	2	
33	BF1891	CORE FLANGE	2	
34	BF1892	CORE	1	
35	VS6662	FLAT WASHER - #10	2	
36	VJ9158	MACHINE SCREW - #10 - 32NF X 3/8"	2	
	H2643	LOCKWASHER - #10	2	
37	VS6881	FLAT WASHER - 5/16" (BRASS)	2	
38	VS7830	SPACER	1	
39	VM0217	HORN, ARC CHUTE	1	
40	VM0229	HORN, ARADING	1	
41	VE7738	BLOCK, SUPPORT	1	
42	VS7165	BLOCK	1	
43	VS7166	BLOCK	1	
44	VS7132	INSULATION	1	
45	VE2248	SHIM	1	
46	VM0229	HORN, ARADING	1	
47		(NOT USED IN THIS APPLICATION)		
48	VJ1124	SUPPORT, BLOWOUT COIL	1	
49	VE3288	PLATE, LOCKING	1	
50	VE0252	WASHER, SPRING	1	
51	VE1183	TIP, CONTACT	2	
52	VJ0846	ARC CHUTE	1	

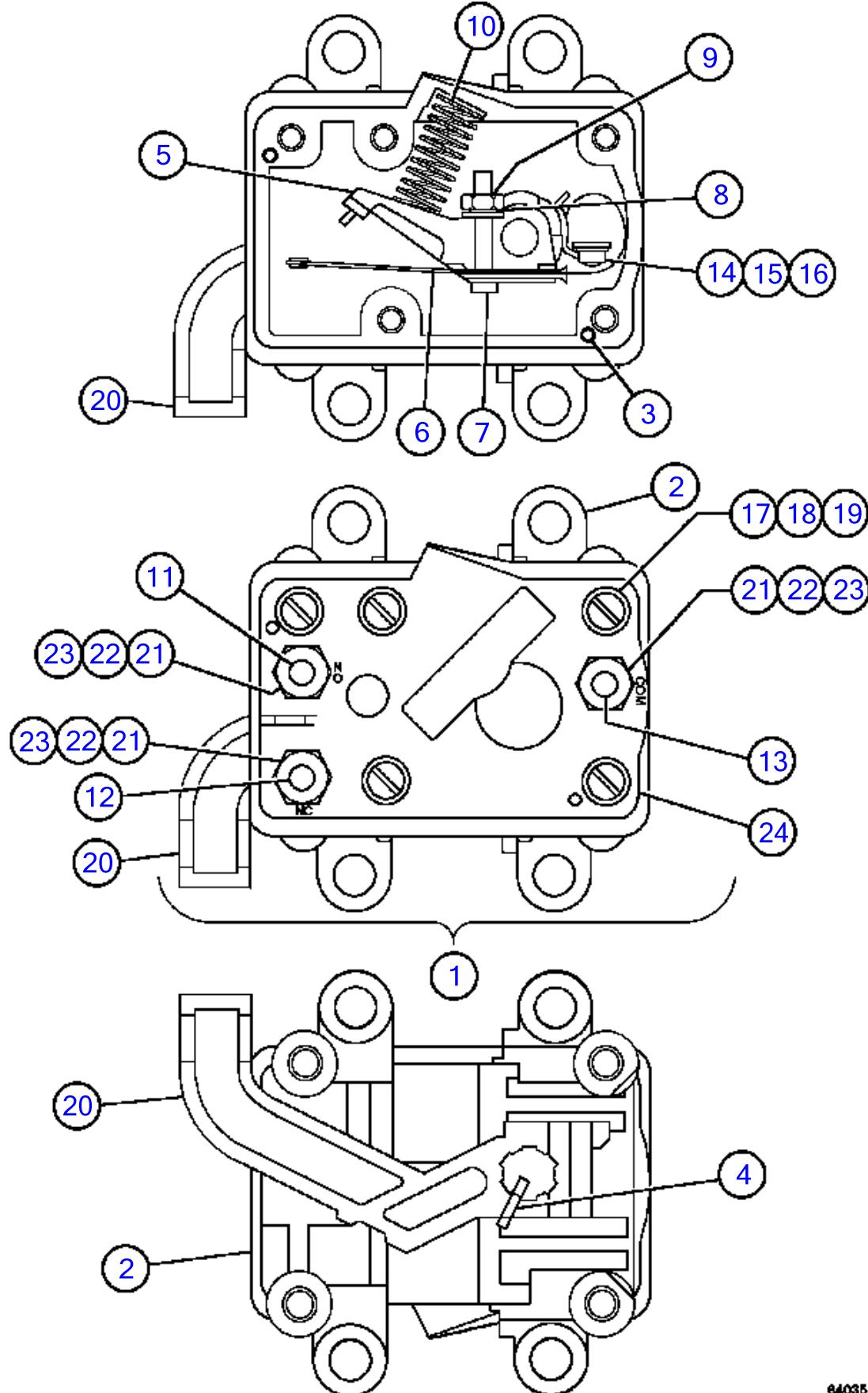
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 A31597 ANTAMINA

**CONTACTOR - GF & GFR**

**VE1317**

Item	Part No	Description	Qty	Page
53	VS6697	SUPPORT	2	
54	VJ8965	R.H. SIDE, ARC CHUTE	1	
55	VJ8966	L.H. SIDE, ARC CHUTE	1	
56	VE5778	PIECE, POLE	1	
57	VE1076	PIECE, POLE	1	
58	VE5779	MACHINE SCREW - 1/4" - 20NC X 1 1/4"	1	
59	VJ3711	FLAT WASHER - 1/4"	2	
60	DC3584	LOCKWASHER - 1/4"	6	
61	TD1549	NUT - 1/4" - 20NC	6	
62	VE5781	CAPSCREW - 1/4" - 20NC X 3 1/4"	5	
63	VF6144	FLAT WASHER - 1/4"	2	
64	VS6695	BUSHING	4	
65	VS6696	BUSHING	4	
66	VM0250	COIL, OPERATING	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



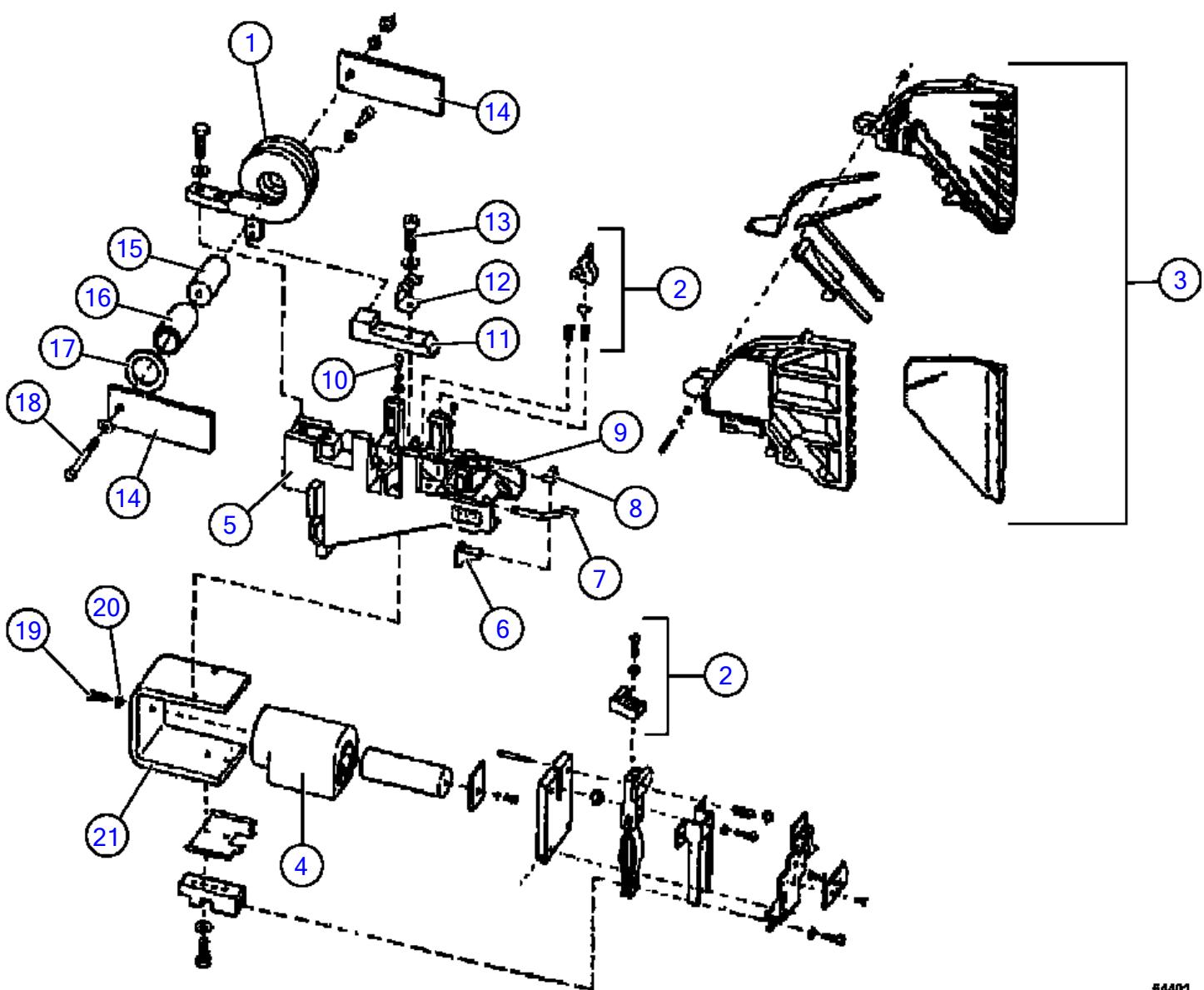
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**POSITION SENSOR INTERLOCK      VE3530**

Item	Part No	Description	Qty
1	VE3530	INTERLOCK, POSITION SENSOR	1
2		BOX	1
3	VE1142	PIN	2
4	VE1142	PIN	1
5	VE3616	INNER ARM ASSEMBLY	1
6	VE0735	SPRING	1
7	VE5751	MACHINE SCREW - #4 - 40NC X 5/8"	1
8	VE4908	LOCKWASHER - 1/4"	1
9	VE4909	NUT - #4 - 40NC	1
10	VE1143	SPRING	1
11	VE4405	STUD ASSEMBLY	1
12	VE4406	STUD ASSEMBLY	1
13	VE5752	STUD, TAPPED	1
14	VE5753	MACHINE SCREW - #4 - 40NC X 1/4"	1
15	VE4908	LOCKWASHER - 1/4"	1
16	VE4907	FLAT WASHER - 1/4"	1
17	BF0020	MACHINE SCREW - #6 - 32NC X 5/8"	5
18	TR5445	LOCKWASHER - 1/2"	5
19	HE5125	FLAT WASHER - #6	5
20	VE5757	OUTER ARM ASSEMBLY	1
21	SF2755	NUT - #10 - 32NF	3
22	VC1390	LOCKWASHER - 5/8"	3
23	VS6662	FLAT WASHER - #10	3
24	BF3174	COVER	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

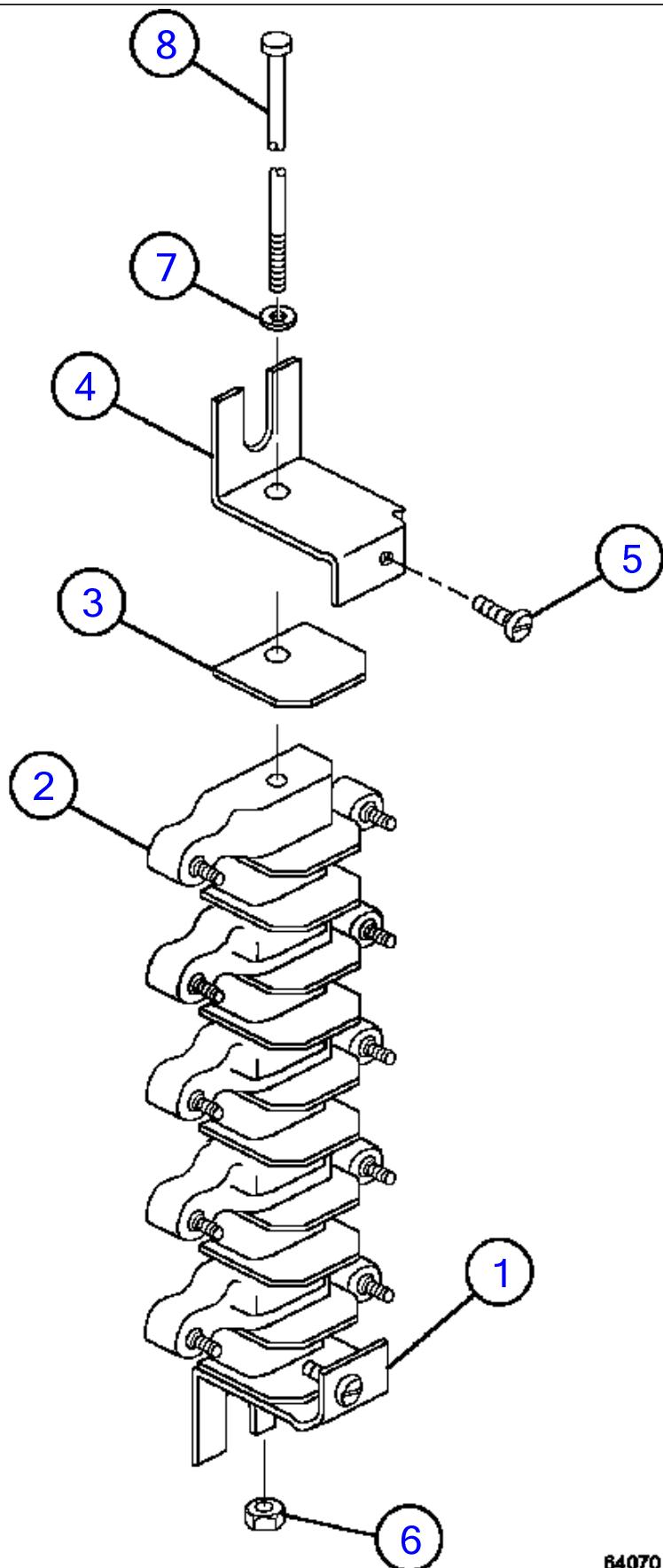


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**CONTACTOR ASSEMBLY - RP GE1843**

Item	Part No	Description	Qty
1	XA4237	COIL - 74 VDC	1
2	GE1836	KIT, CONTACTOR TIP	1
3	GE1072	ARC CHUTE	1
4	XA4239	COIL - 24 VDC	1
5	58E-43-00220	BRACKET, SUPPORT	1
6	58E-43-00230	INTERLOCK, MECHANICAL	1
7	58E-43-00240	LATCH SPRING, ARC CHUTE	1
8	58E-43-00250	LEVER	1
9	58E-43-00260	HOLDER, IRON	1
10	58E-43-00270	CAPSCREW , SOCKET HEAD - 5/16" - 18NC X 1 1/2"	1
11	58E-43-00280	TERMINAL, PIVOT	1
12	58E-43-00290	SPRING, LEAF	1
13	58E-43-00300	CAPSCREW, SOCKET HEAD - 5/16" - 18NC X 1 1/4"	1
14	58E-43-00310	PLATE, POLE	2
15	58E-43-00330	CORE, MAGNET	1
16	58E-43-00340	SHEET, INSULATING	1
17	58E-43-00350	SPACER, INSULATING	1
18	58E-43-00360	CAPSCREW - 5/16" - 18NC X 4 1/2"	1
19	58E-43-00370	SCREW, FLATHEAD - 3/8" - 16NC X 1"	1
20	58E-43-00380	LOCKWASHER, COUNTERSUNK	1
21	58E-43-00390	YOKES	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



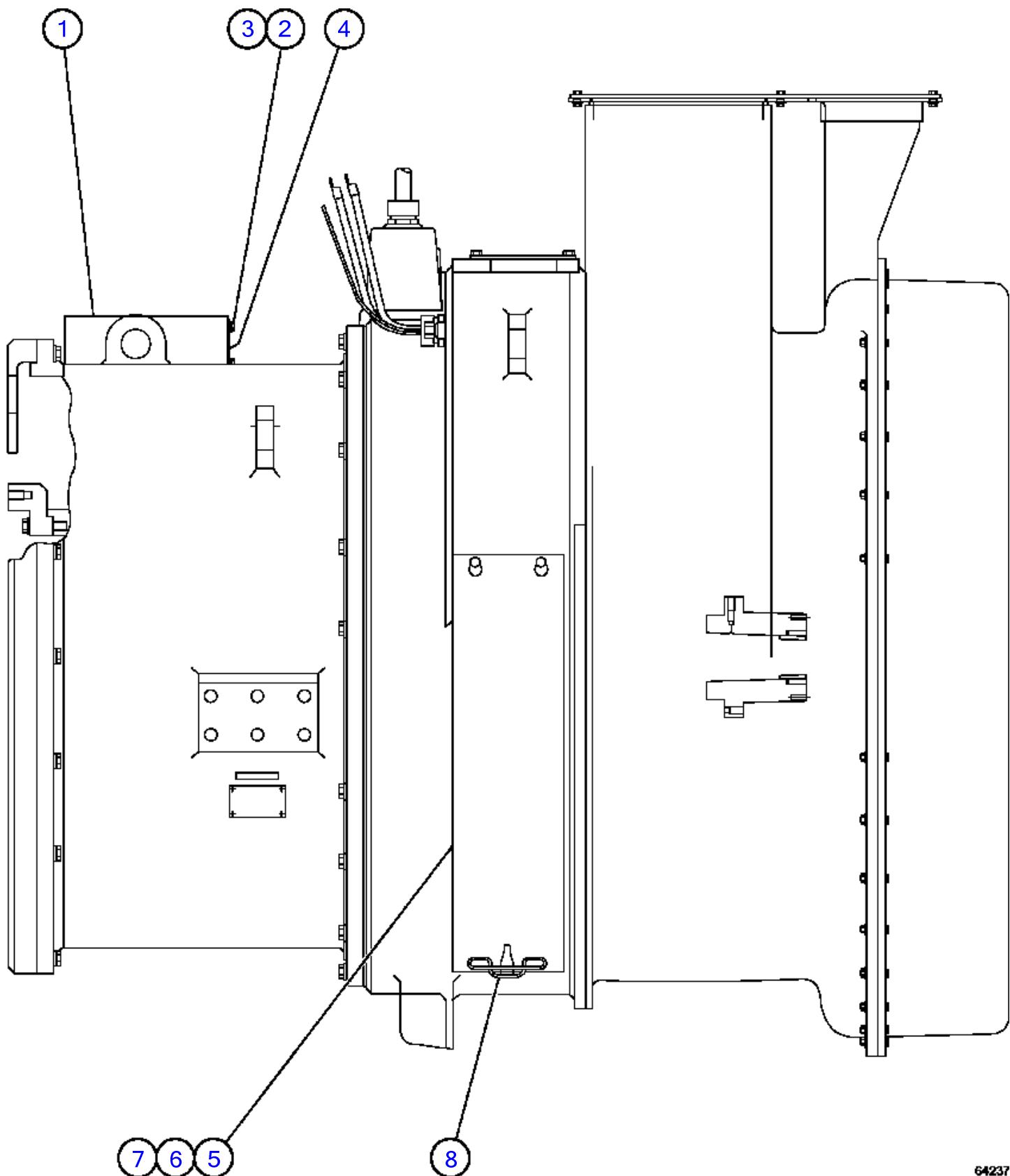
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

## TERMINAL BOARDS 1/2

Item	Part No	Description	Qty
1	VS8193	BOARD, TERMINAL	1
2	VS9306	• TERMINAL BLOCK/STUD	20
3	VS9188	• SHIELD	30
4	VJ6996	• BRACKET	2
5	VJ9168	• FASTENER	2
6	SF2755	• NUT - #10 - 32NF	1
7	DC3101	• LOCKWASHER - #10	1
8	VJ9131	• TIE ROD - 11 3/4" LONG	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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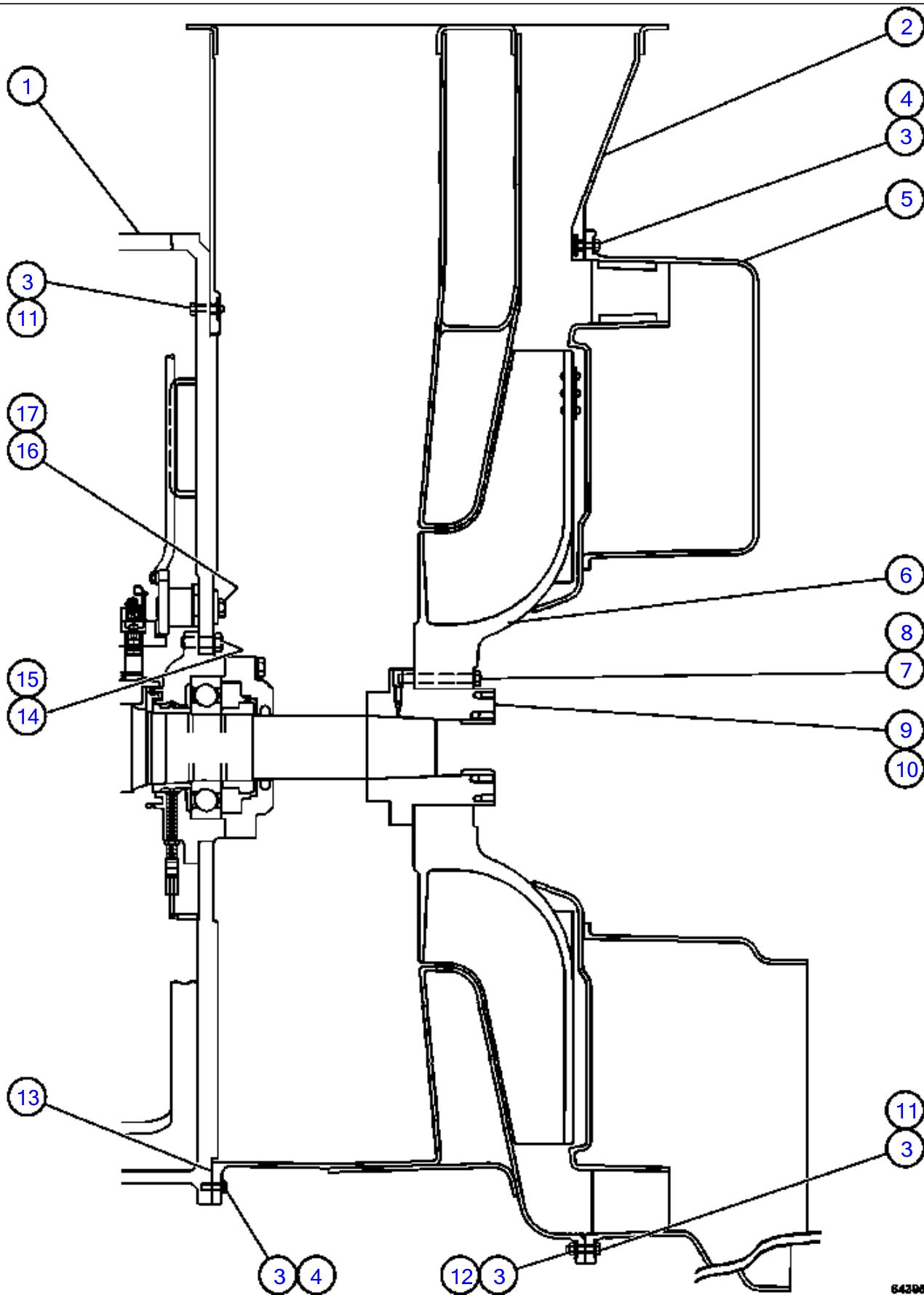
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 A31597 ANTAMINA

**ALTERNATOR/BLOWER ASSEMBLY**

**58B-06-00680**

Item	Part No	Description	Qty	uom
1	GE1161	COVER	1	
2	VE4739	CAPSCREW - 3/8" - 16NC X 1"	4	
3	VE4687	LOCKWASHER - 3/8"	4	
4	XA5635	PLATE, FRONT	1	
5	GE1162	COVER ASSEMBLY	2	
6	GE1164	GASKET	2	
7	VJ2672	CEMENT (1 QUART)		AS REQUIRED
8	GE1163	LATCH	2	
NS		NOTE: NS = NOT SHOWN		
NS	GE1172	PLUG, PIPE (BOTTOM OF HEAD FRAME)	1	

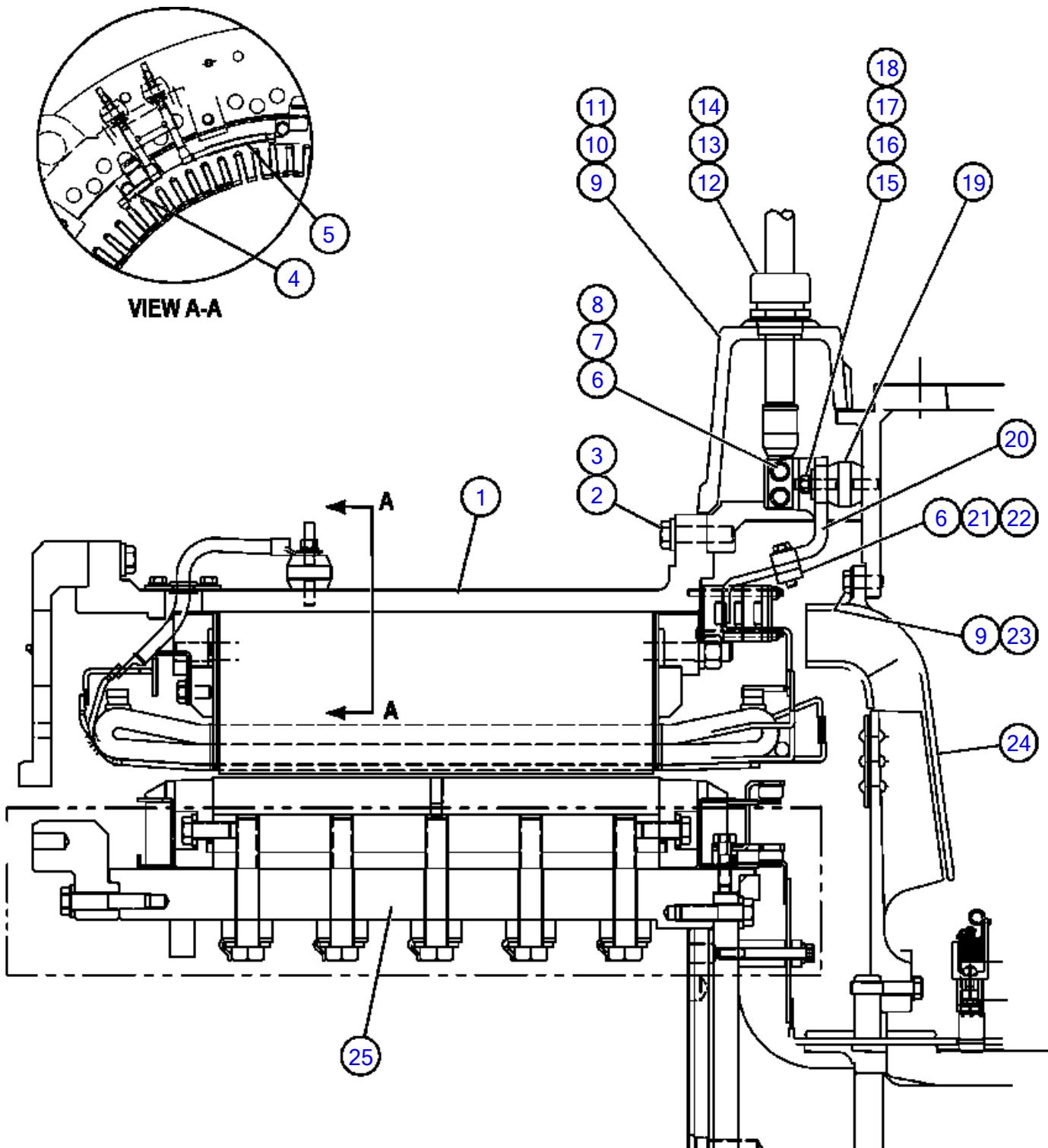
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**AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA**  
**BLOWER HOUSING**

Item	Part No	Description	Qty	uom
1	GE1144	FRAME, HEAD	1	
2	58B-06-01840	HOUSING, INLET	1	
3	VE3027	FLAT WASHER - 3/8"	73	
4	VE4641	CAPSCREW - 3/8" - 16NC X 1 1/4"	19	
5	XA4109	HOUSING, OUTLET	1	
6	GE1082	IMPELLER	1	
7	VE5185	FLAT WASHER - 1/2"	16	
8	VE4998	CAPSCREW - 1/2" - 13NC X 4 1/2"	16	
9	GE1156	HUB	1	
10	VE3620	PIN, DOWEL	2	
11	VE4500	CAPSCREW - 3/8" - 16NC X 1 3/4"	36	
12	TC1233	NUT - 3/8" - 16NC	12	
13	VJ9656	ADHESIVE, RTV		AS REQUIRED
14	VE5184	FLAT WASHER	6	
15	C1630	CAPSCREW - 5/8" - 11NC X 2"	6	
16	GE0141	CAPSCREW - 5/8" - 11NC X 2 1/4"	6	
17	VE4631	FLAT WASHER	6	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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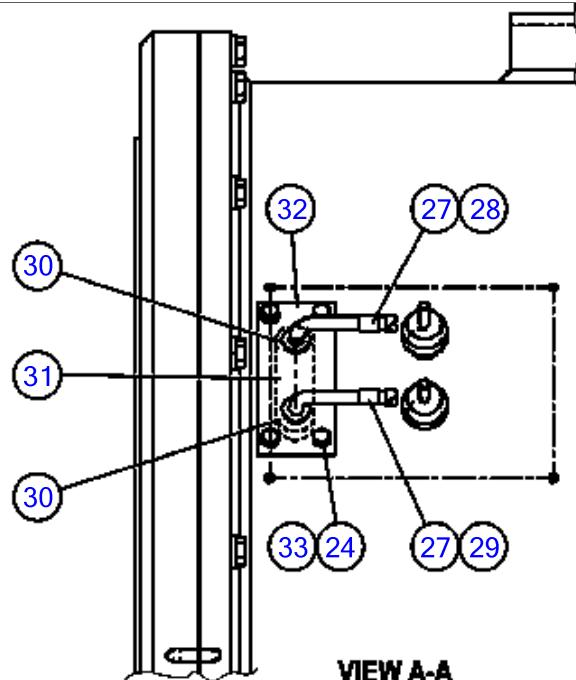


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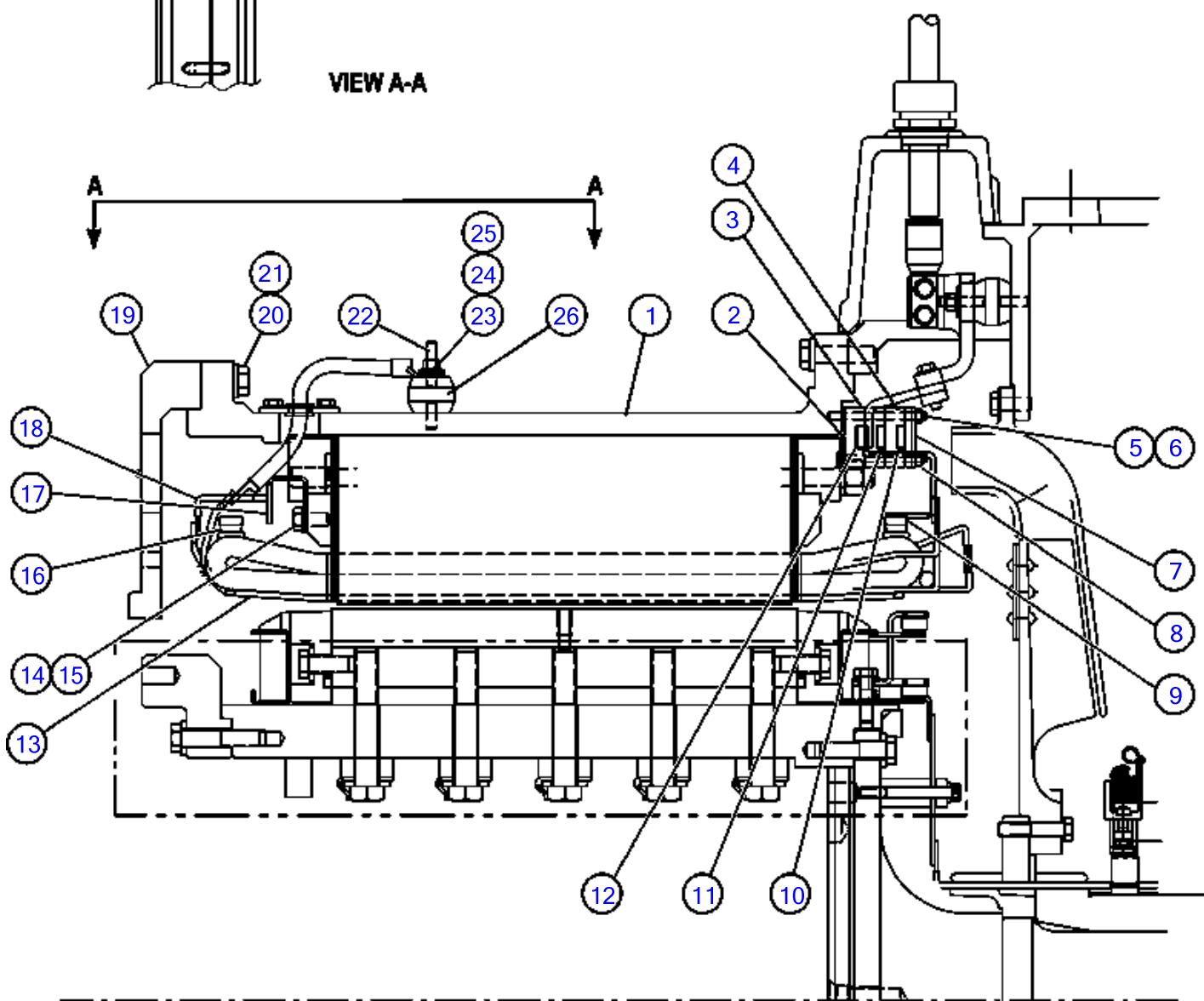
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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA  
ENGINE MOUNT END**

Item	Part No	Description	Qty	uom	Page
1	58B-06-01830	STATOR ASSEMBLY (SEE INDEX)	1		668
2	VJ8959	FLAT WASHER - 5/8"	18		
3	VS6852	CAPSCREW - 5/8" - 11NC X 2 1/2"	18		
4	XA4417	CONNECTOR ASSEMBLY	1		
5	XA4418	CONNECTOR ASSEMMLBY	1		
6	VE3027	FLAT WASHER - 3/8"	6		
7	VE4702	CAPSCREW - 3/8" - 16NC X 2 3/4"	6		
8	GE1153	BLOCK, TAPPED	3		
9	VE5185	FLAT WASHER - 1/2"	24		
10	VE4999	CAPSCREW - 1/2" - 13NC X 2"	4		
11	GE1150	COVER ASSEMBLY	1		
	VJ2672	CEMENT (1 QUART)		AS REQUIRED	
12	GE1158	CABLE ASSEMBLY - T1	2		
13	GE1159	CABLE ASSEMBLY - T2	2		
14	GE1160	CABLE ASSEMBLY - T3	2		
15	VS6813	STUD, INSULATED	6		
16	VE3918	WASHER	6		
17	VE4687	LOCKWASHER - 3/8"	6		
18	TC1233	NUT - 3/8" - 16NC	6		
19	VE4750	INSULATOR W/STUD	6		
20	GE1157	TERMINAL	3		
21	VE4640	CAPSCREW - 3/8" - 16NC X 1 1/2"	6		
22	GE1154	BLOCK, TAPPED	3		
23	VE4518	CAPSCREW - 1/2" - 13NC X 1 1/2"	20		
24	GE1145	SHROUD	1		
25	XA4413	ROTOR ASSEMBLY (SEE INDEX)	1		
NS		NOTE: NS = NOT SHOWN			670
NS	VJ2743	PIN, SPRING DOWEL (FRAME ADAPTER TO STATOR FRAME)	2		

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



VIEW A-A

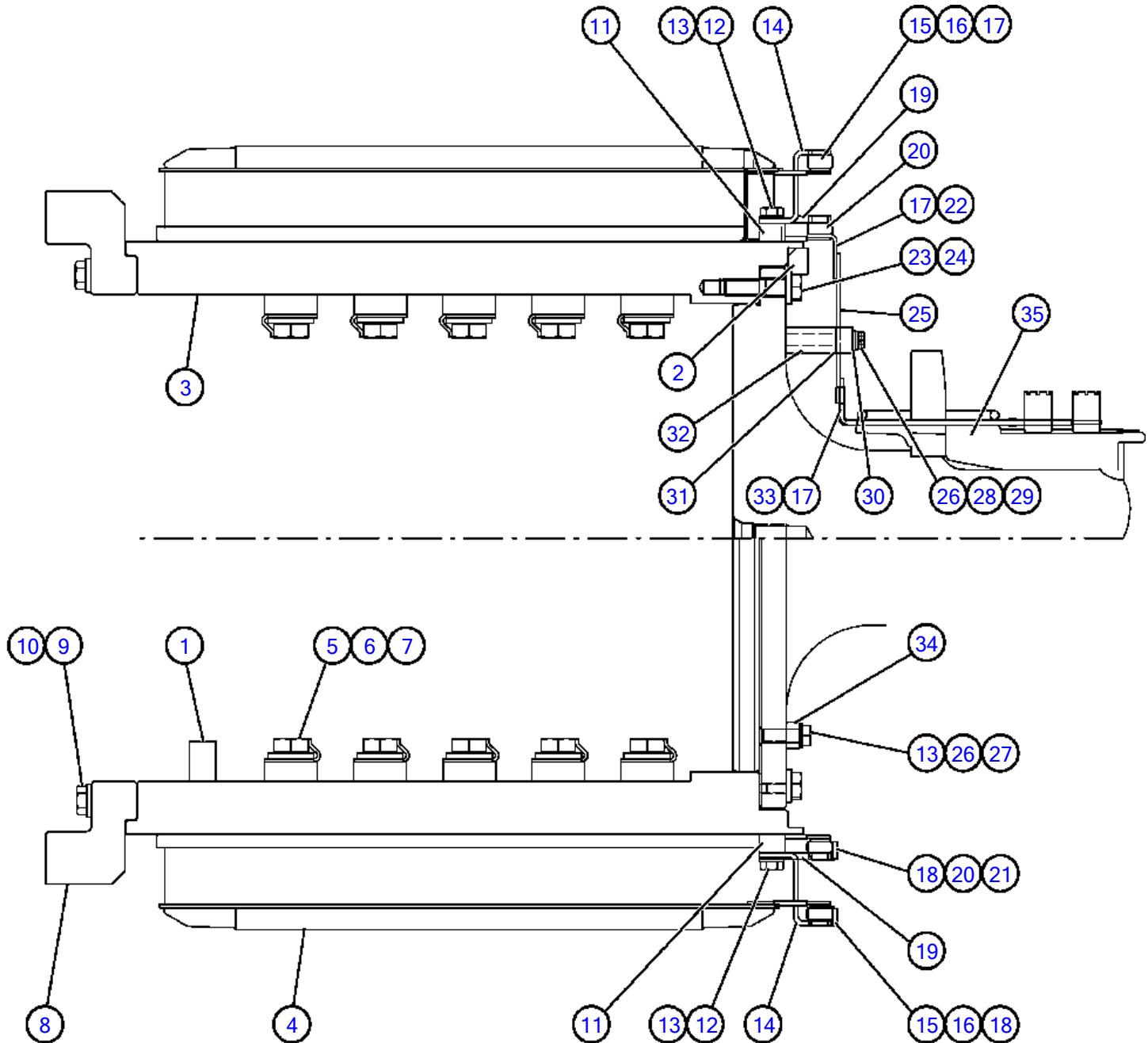


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 A31597 ANTAMINA

**STATOR ASSEMBLY 58B-06-01830**

Item	Part No	Description	Qty
1	GE1132	STATOR FRAME & CORE ASSEMBLY	1
2	GE1135	BRACKET ASSEMBLY	5
3	GE1137	C-CLAMP, BUS RING	15
4	GE1136	SLEEVE, INSULATED	10
5	GE1340	STUD - 1/4" - 20NC X 3 3/4"	9
6	VE4481	LOCKNUT - 1/4" - 20NC	10
7	GE1139	BAR, CLAMP	5
8	GE1138	CLAMP, BUS RING	5
9	GE1134	BUS RING, INSULATED	1
10	GE1142	BUS RING, INSULATED (T3)	1
11	GE1141	BUS RING, INSULATED (T2)	1
12	GE1140	BUS RING, INSULATED (T1)	1
13	GE1131	REWIND KIT, STATOR	1
14	VE5185	FLAT WASHER - 1/2"	18
15	VE4542	CAPSCREW - 1/2" - 13NC X 1"	1
16	GE1133	TIE RING, INSULATED	1
17	VE4342	BRACKET	9
18	GE1143	STRAP, NEUTRALIZING	1
19	GE1378	ADAPTER, FRAME	1
20	VS6852	CAPSCREW - 5/8" - 11NC X 2 1/2"	18
21	VJ8959	FLAT WASHER - 5/8"	18
22	VS6813	STUD, INSULATED	2
23	TC1233	NUT - 3/8" - 16NC	2
24	VE4687	LOCKWASHER - 3/8"	6
25	VE4515	FLAT WASHER - 3/8"	2
26	VE4750	INSULATOR W/STUD	2
27	XA4422	CABLE	2
28	GE1168	CABLE MARKER	1
29	GE1169	CABLE MARKER	1
30	VE1200	GROMMET	2
31	GE1347	PAD	1
32	XA4107	COVER	1
33	TC1234	CAPSCREW - 3/8" - 16NC X 3/4"	4

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



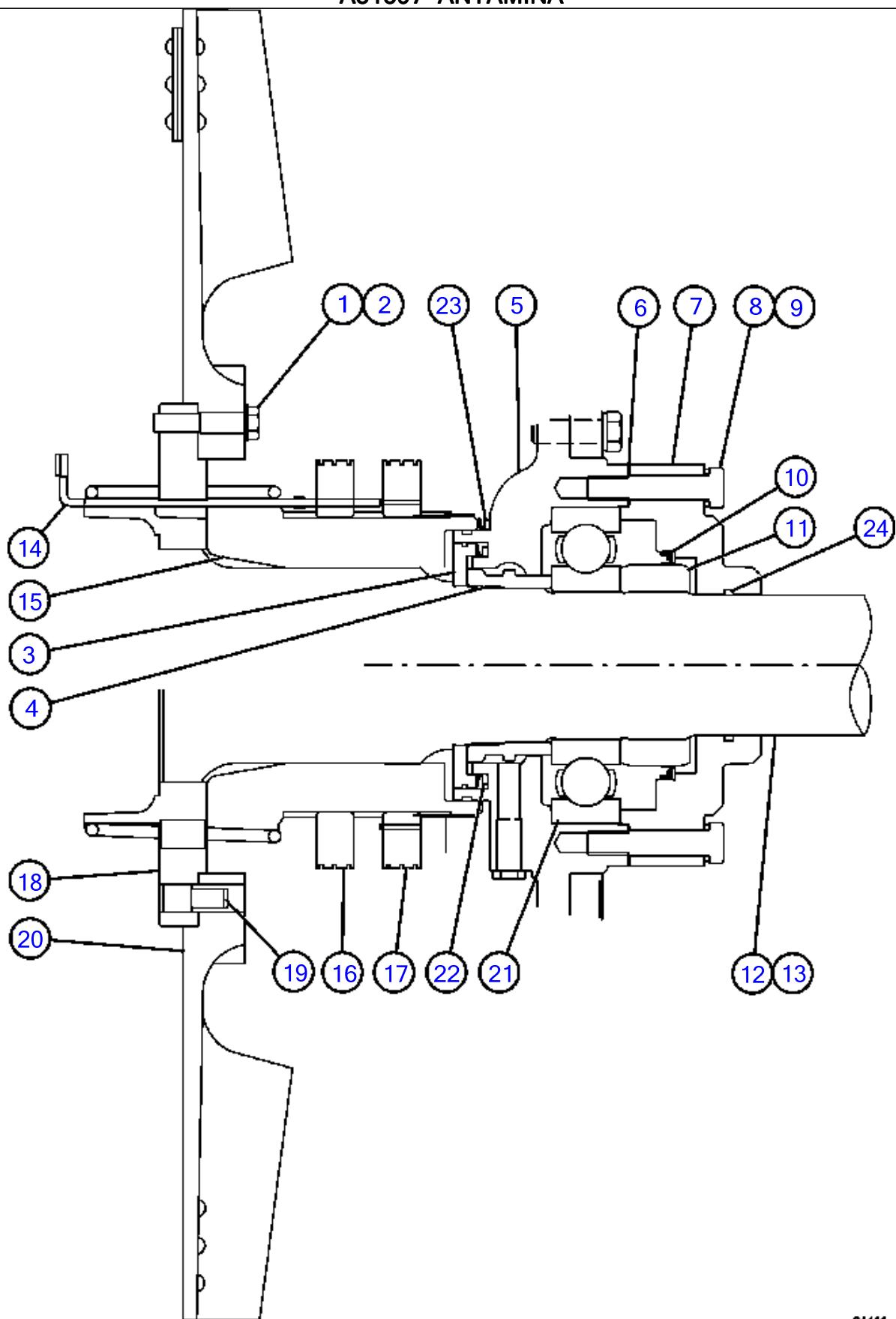
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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA**

**ROTOR ASSEMBLY XA4413**

Item	Part No	Description	Qty	uom	Page
1	GE1094	WEIGHT, BALANCE		AS REQUIRED	
2	GE1095	WEIGHT, BALANCE		AS REQUIRED	
3	XA4419	ROTOR ASSEMBLY	1		
	XA4414	· YOKE ASSEMBLY	1		
4	XA4093	· · COIL	10		
5	XA4415	· · BLOCK, WASHER	50		
6	VE5063	· · FLAT WASHER	100		
7	XA4130	· · CAPSCREW - 7/8" - 9NC X 5"	100		
8	GE1111	· · ADAPTER	1		
9	VJ8959	· · FLAT WASHER - 5/8"	20		
10	XA4095	· · CAPSCREW - 5/8" - 11NC X 3"	20		
11	XA4100	· BLOCK, SUPPORT	10		
12	VN9057	· CAPSCREW - 1/2" - 13NC X 1 3/4"	20		
13	VE5185	· FLAT WASHER - 1/2"	22		
14	XA4103	· BRACKET, SUPPORT	5		
15	XA4104	· STRAP, CONNECTION	5		
	GE0334	· TAPE, FIBERGLASS		AS REQUIRED	
16	XA4099	· RING, TIE	1		
17	VS8325	· STRIP, BRAZING	24		
18	58B-06-01820	· TIE, CABLE	15		
19	XA4106	· BRACKET, SUPPORT	5		
20	XA4101	· RING, TIE	1		
21	XA4105	· STRAP, CONNECTION	4		
22	GE1110	· STRAP, CONNECTION	2		
23	VS6852	· CAPSCREW - 5/8" - 11NC X 2 1/2"	15		
24	VJ8959	· FLAT WASHER - 5/8"	15		
25	XA4102	· JUMPER	2		
26	BF3896	· WIRE	2		
27	GE1128	· CAPSCREW - 1/2" - 13NC X 1 1/2"	2		
28	XA4134	· FLAT WASHER	10		
29	XA4209	· CAPSCREW - 7/16" - 14NC X 3 1/2"	2		
30	XA4132	· CLAMP	1		
31	XA4131	· CLEAT, NOTCHED	1		
32	GE1123	· BASE, CLEAT	1		
33	GE1116	· INSULATION	2		
34	GE1127	· WEIGHT, BALANCE	1		
35	XA4097	· SHAFT ASSEMBLY (SEE FIG 64411)	1		672

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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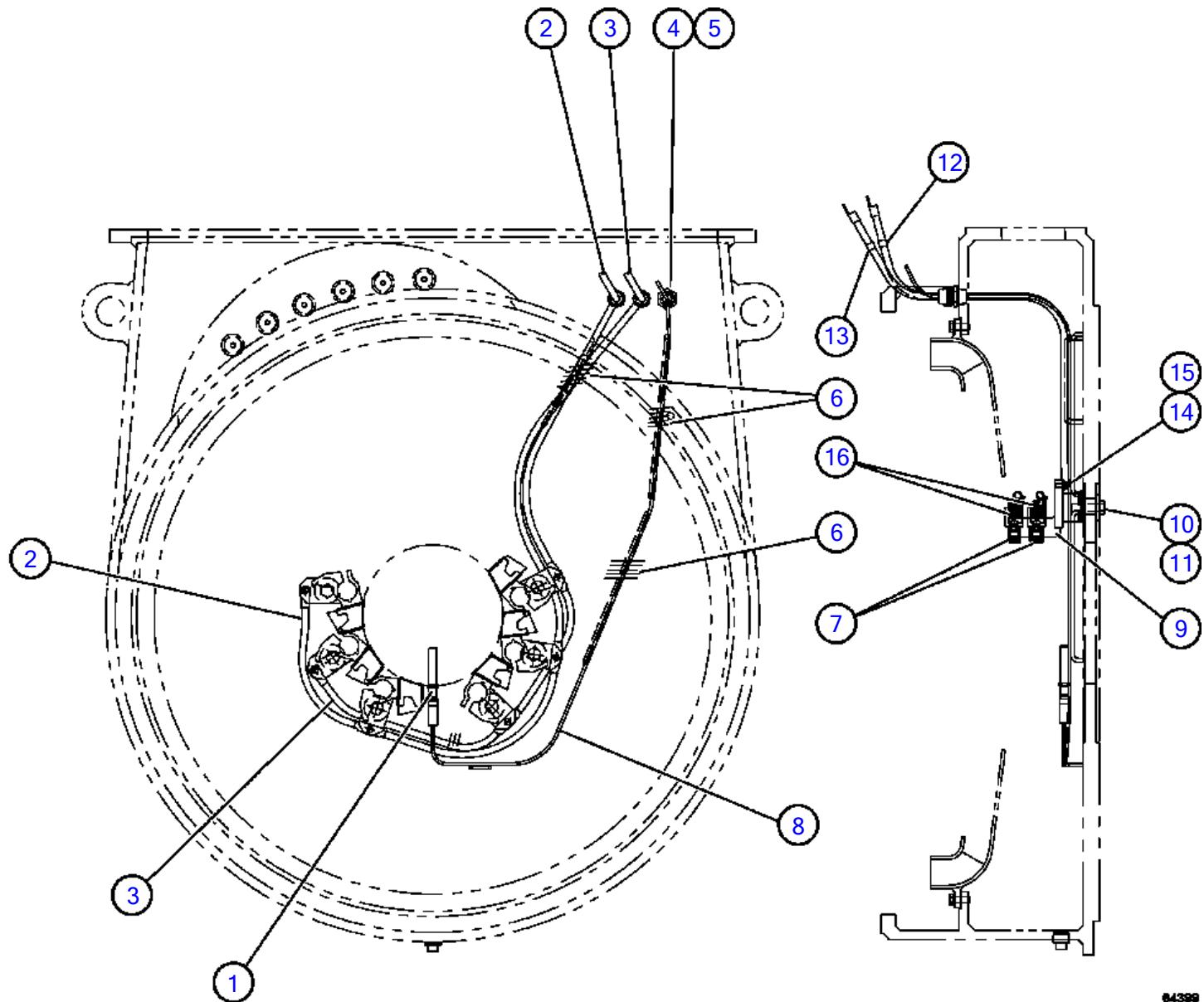


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A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
A31597 ANTAMINA**  
**FAN SHAFT & BEARING**

Item	Part No	Description	Qty
1	VE5061	CAPSCREW - 1/2" - 13NC X 2 1/2"	15
2	VE5185	FLAT WASHER - 1/2"	17
3	XA4331	FLINGER	1
4	GE1103	HUB	1
5	XA4329	HOUSING, BEARING	1
6	VE4248	GASKET	1
7	XA4330	CAP, BEARING	1
8	GE1171	CAPSCREW - 5/8" - 11NC X 3 1/4"	6
9	VE5184	FLAT WASHER	6
10	XA5881	SEAL	1
11	XA4332	SLEEVE	1
12	XA4097	SHAFT ASSEMBLY (1)	1
13	XA4098	· SHAFT	1
14	GE1116	· INSULATION	2
15	GE1117	· HUB ASSEMBLY	1
16	GE1118	· · RING, COLLECTOR (2)	1
17	GE1119	· · RING, COLLECTOR (2)	1
18	GE1115	· SUPPORT, IMPELLER	1
19	VE3620	PIN, DOWEL	1
20	GE1096	IMPELLER	1
21	GE1823	BEARING, BALL	1
22	VE7209	SEAL, V-RING	1
23	XA4511	SEAL, V-RING	1
24	58E-06-03080	PACKING	1
NS		NOTE: (1) INCLUDED IN XA4413 ROTOR ASSEMBLY.	
NS	XA6102	(2) NOT SERVICED SEPARATELY. ORDER XA6102 ALTERNATOR COLLECTOR RING SERVICE KIT.	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



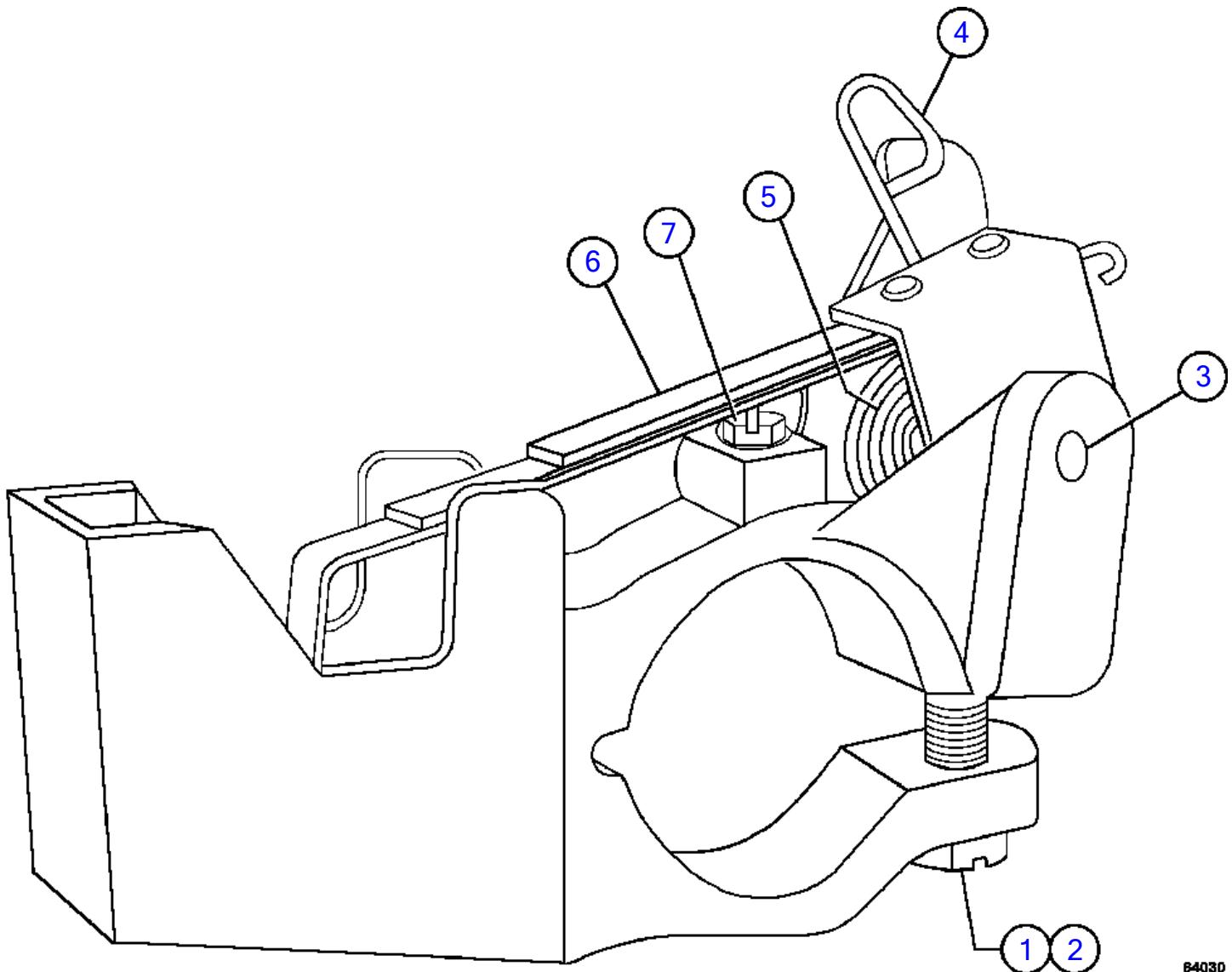
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 A31597 ANTAMINA

### BRUSH HOLDER/SPEED SENSOR WIRING

Item	Part No	Description	Qty	uom	Page
1	GE1155	SENSOR, SPEED	1		
2	GE1146	CABLE	1		
3	GE1147	CABLE	1		
4	VE4639	BUSHING, REDUCING	1		
5	VS7922	CONNECTOR	1		
6	GE0334	TAPE, FIBERGLASS		AS REQUIRED	
7	VE8444	BRUSH	6		
8	GE0328	CABLE, SPEED SENSOR	1		
9	VJ1028	SUPPORT W/STUD & KEY	6		
10	VE4631	FLAT WASHER	6		
11	GE0141	CAPSCREW - 5/8" - 11NC X 2 1/4"	6		
12	VE4629	MARKER, CABLE (F1)	1		
13	VE4628	MARKER, CABLE (F2)	1		
14	VE4630	CAPSCREW - 1/4" - 20NC X 3/4"	6		
15	VE2764	WASHER, CONCAVE	6		
16	VJ1024	BRUSH HOLDER ASSEMBLY (SEE INDEX)	6		676

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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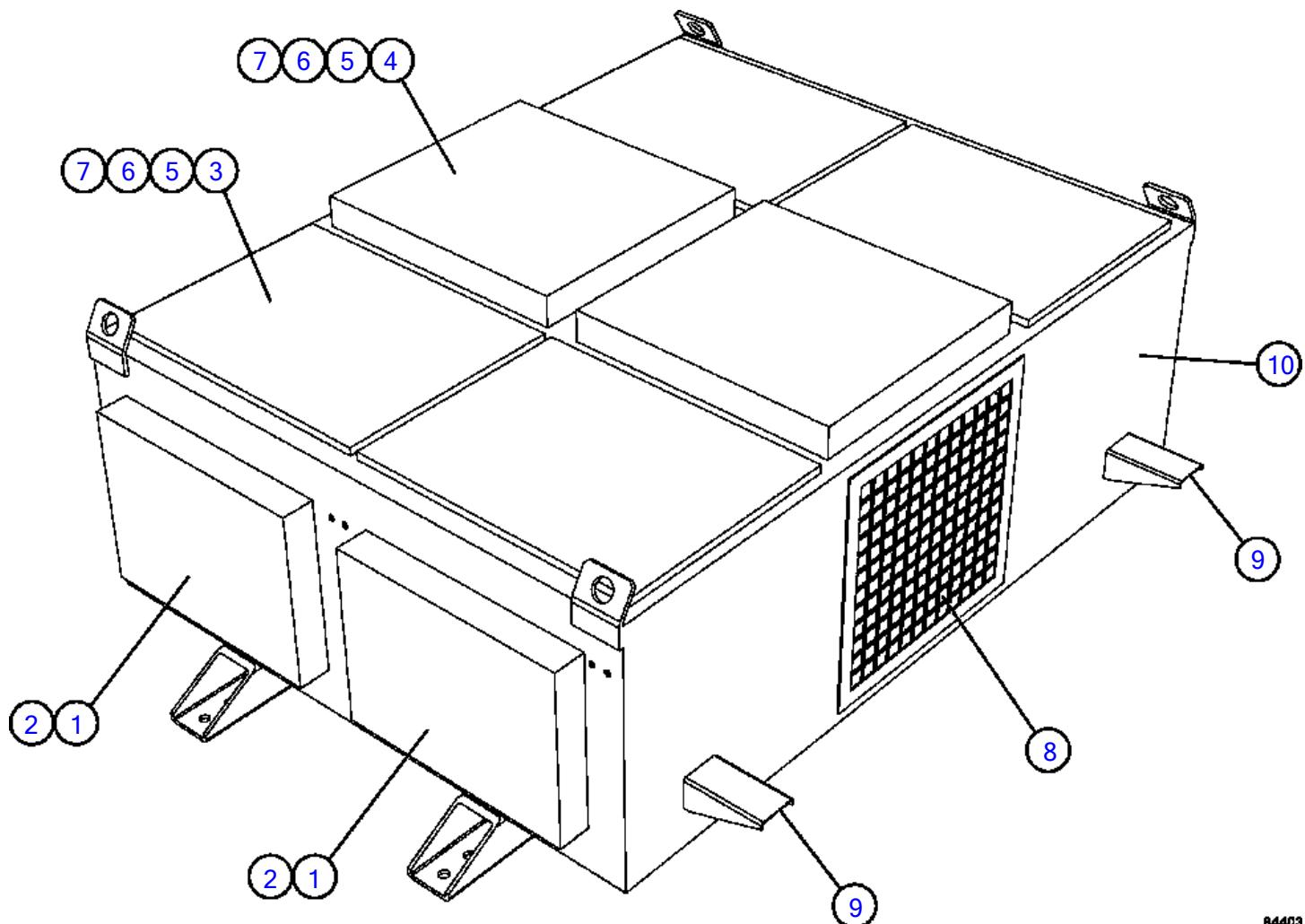
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**BRUSH HOLDER ASSEMBLY VJ1024**

Item	Part No	Description	Qty
1	VE4625	CAPSCREW - 5/16" - 18NC X 1 1/4"	1
2	VE4626	NUT - 5/16" - 18NC	1
3	VJ7853	PIN, SPRING DOWEL	1
4	VJ1026	SPRING	1
5	VS8323	WASHER, BRASS	1
6	VJ1025	ARM, PRESSURE	1
7	VS7587	CAPSCREW/WASHER - 1/4" - 20NC X 1/2"	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA



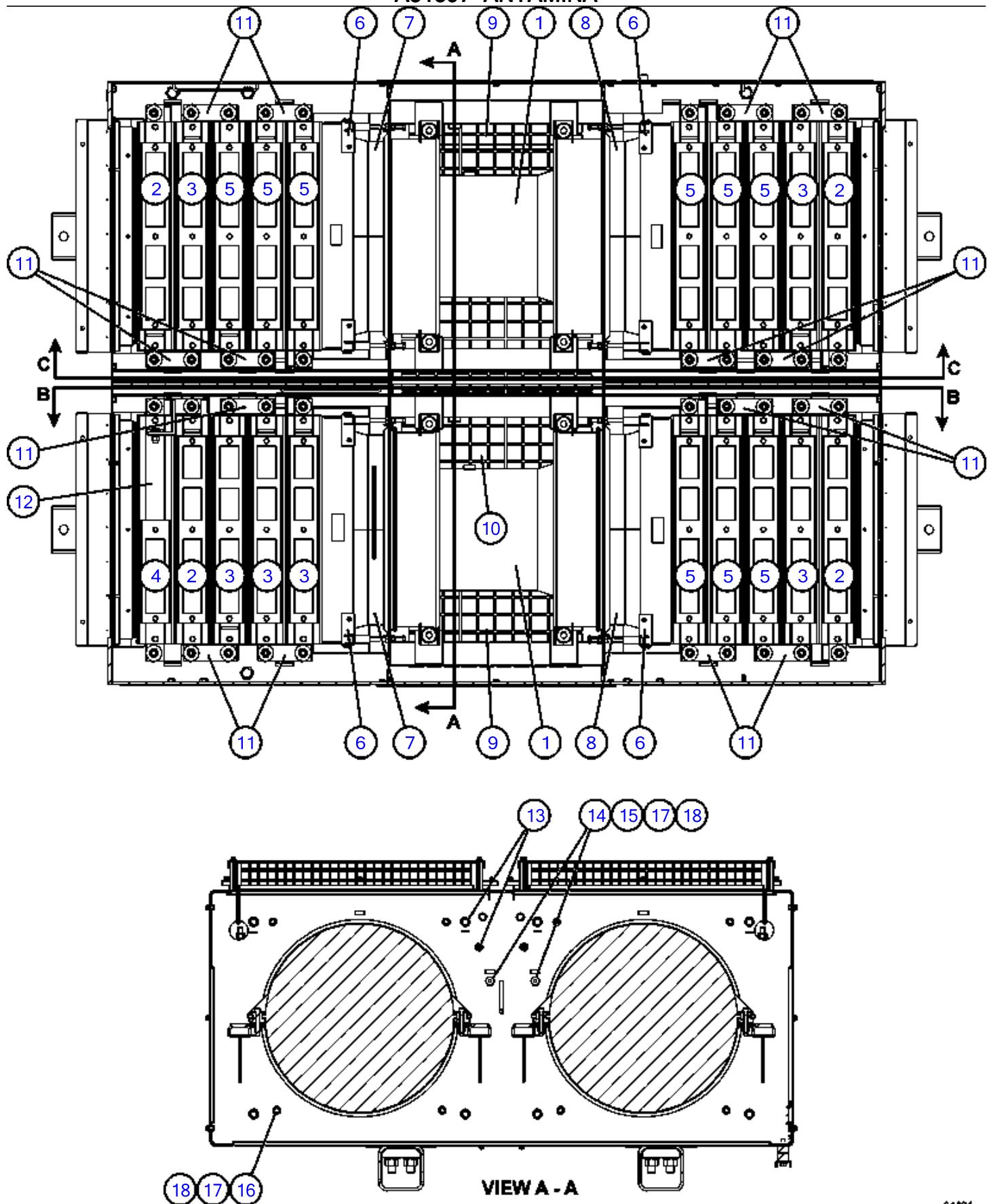
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**RETARDING GRID ASSEMBLY 1/3 PC3185**

Item	Part No	Description	Qty	uom
1	GE1810	LOUVER ASSEMBLY	4	
2	GE1814	COVER, SCREEN	4	
3	GE0016	COVER	4	
4	GE1812	COVER ASSEMBLY	2	
5	TC1234	CAPSCREW - 3/8" - 16NC X 3/4"		AS REQUIRED
6	VE4516	FLAT WASHER - 3/8" (NARROW)		AS REQUIRED
7	VE4687	LOCKWASHER - 3/8"		AS REQUIRED
8	GE1811	COVER, SCREEN	2	
9	GE0620	STEP KIT	1	
10	GE1809	BOX, GRID	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

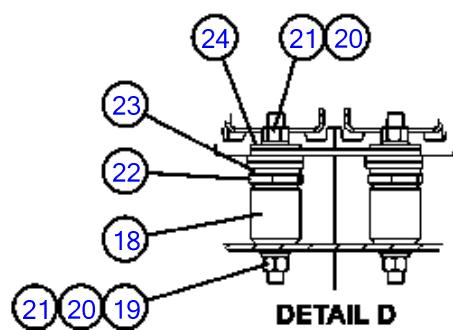
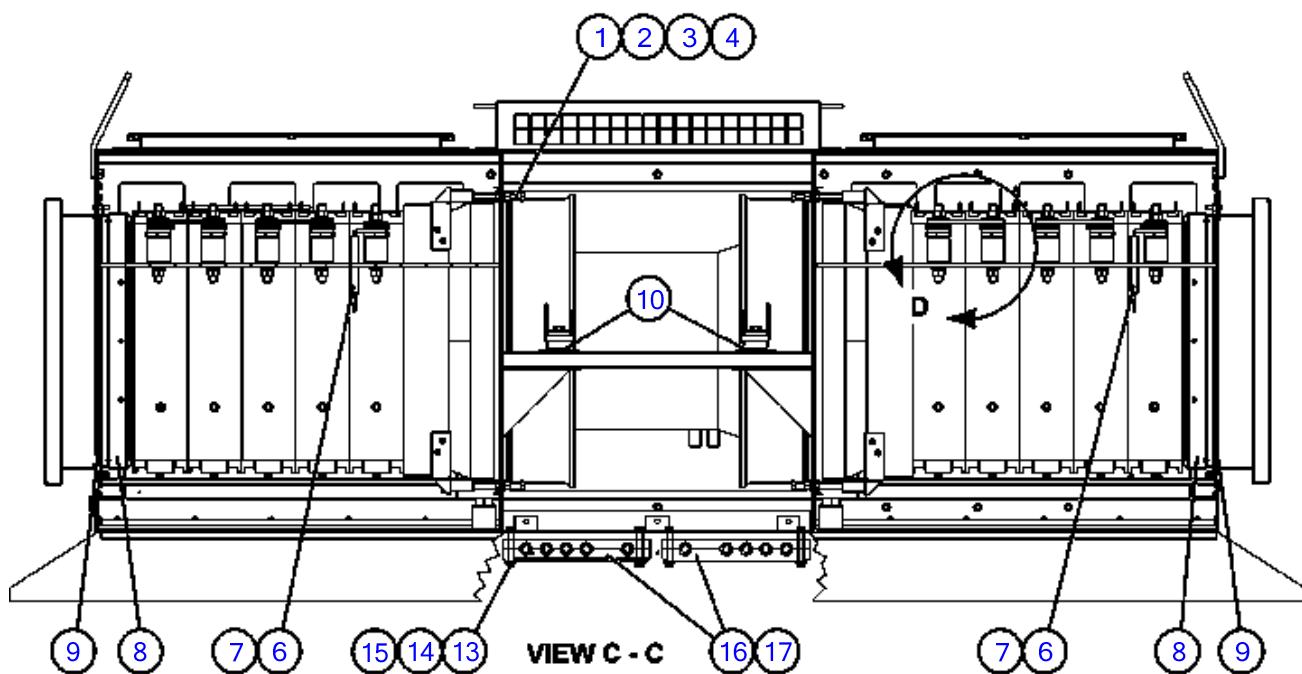
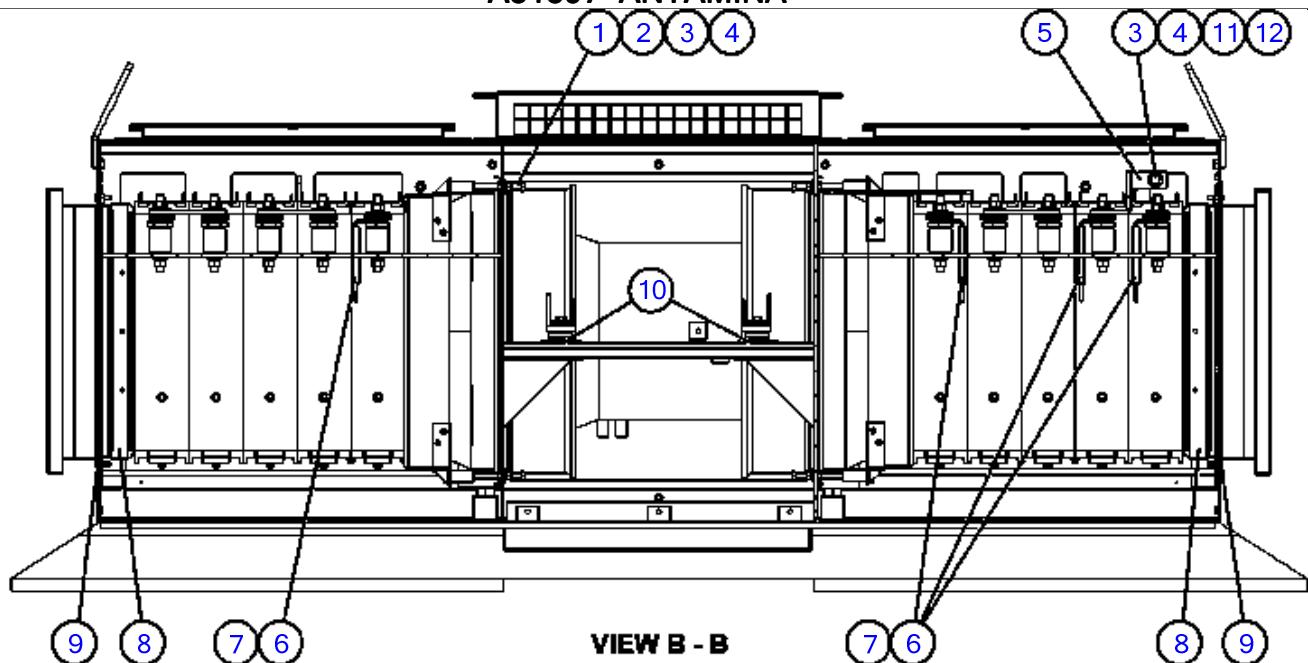


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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**RETARDING GRID ASSEMBLY 2/3 PC3185**

Item	Part No	Description	Qty	uom	Page
1	XA4146	MOTOR, BLOWER (SEE INDEX)	2		690
2	XA5859	RESISTOR	4		
3	XA5857	RESISTOR	6		
4	XA5860	RESISTOR	1		
5	XA5858	RESISTOR	9		
6	GE0021	COLLAR ASSEMBLY	4		
7	GE1815	DIFFUSER ASSEMBLY	2		
	GE0019	• GASKET	4		
	GE0020	• GASKET	4		
	BF5597	• CEMENT (1 QUART)			
8	XA4160	DIFFUSER ASSEMBLY	2	AS REQUIRED	
	GE0019	• GASKET	4		
	GE0020	• GASKET	4		
	BF5597	• CEMENT (1 QUART)			
9	GE1813	COVER WITH CUTOUTS	2		
10	GE0670	COVER	1		
11	GE0855	BAR, BUS	15		
12	GE0034	INSULATOR	1		
13	GE0037	GROMMET	2		
14	GE0479	INSULATOR ASSEMBLY	2		
15	GE0619	CAPSCREW	2		
16	VE4739	CAPSCREW - 3/8" - 16NC X 1"	16		
17	VE4515	FLAT WASHER - 3/8"	18		
18	VE4687	LOCKWASHER - 3/8" (SEE FOLLOWING PAGE FOR VIEWS B-B & C-C.)	18		

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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A31597 ANTAMINA

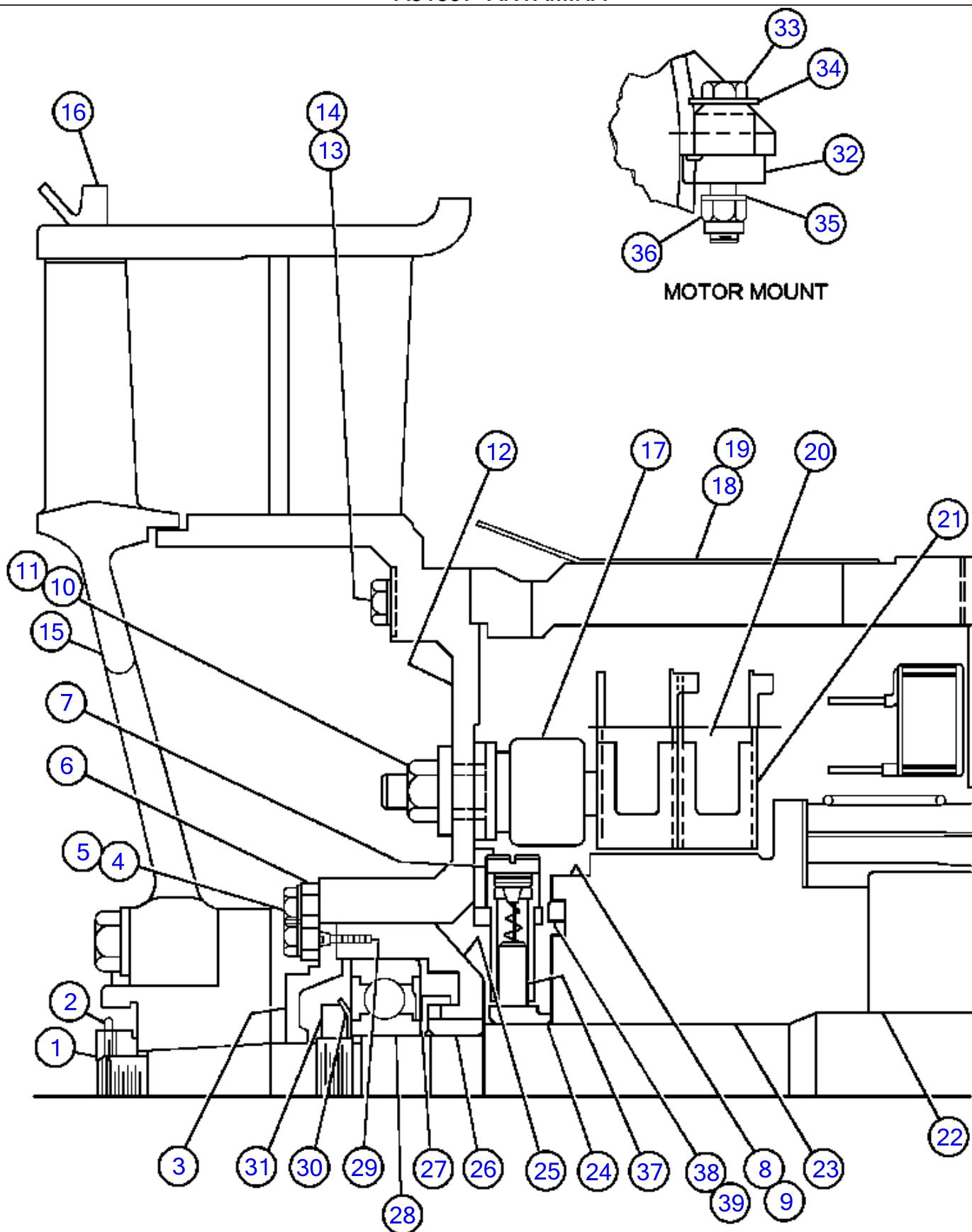


AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**RETARDING GRID ASSEMBLY 3/3 PC3185**

Item	Part No	Description	Qty
1	PB8167	CAPSCREW - 1/2" - 13NC X 6 1/2"	17
2	VE4519	FLAT WASHER - 1/2" (NARROW)	16
3	VE4699	LOCKWASHER - 1/2"	16
4	VE4698	NUT - 1/2" - 13NC	17
5	GE0030	BAR, BUS	1
6	GE0029	TUBE	9
7	XA4548	BAR, BUS (INSULATED)	9
8	GE0671	SPACER, END	4
	VE4648	FLAT WASHER - 5/16"	48
	VE4696	LOCKWASHER - 5/16"	48
	VE5013	NUT - 5/16" - 18NC	48
9	XA5861	SPACER	4
10	BF1888	FLAT WASHER - 1/2"	8
11	VE4518	CAPSCREW - 1/2" - 13NC X 1 1/2"	1
12	GE0041	FLAT WASHER (SPECIAL)	1
13	GE0040	CAPSCREW	6
14	VE4687	LOCKWASHER - 3/8"	6
15	VE4515	FLAT WASHER - 3/8"	6
16	GE1816	CLAMP, CABLE	2
17	GE1817	CLEAT, CABLE	4
18	GE0023	INSULATOR	40
19	GE0042	WASHER - 5/8"	40
20	VC1390	LOCKWASHER - 5/8"	80
21	GE0045	NUT - 5/8" - 11NC	80
22	XA2741	NUT - 5/8" - 11NC	40
23	GE0038	SPACER	31
24	GE0044	FLAT WASHER (SPECIAL)	40

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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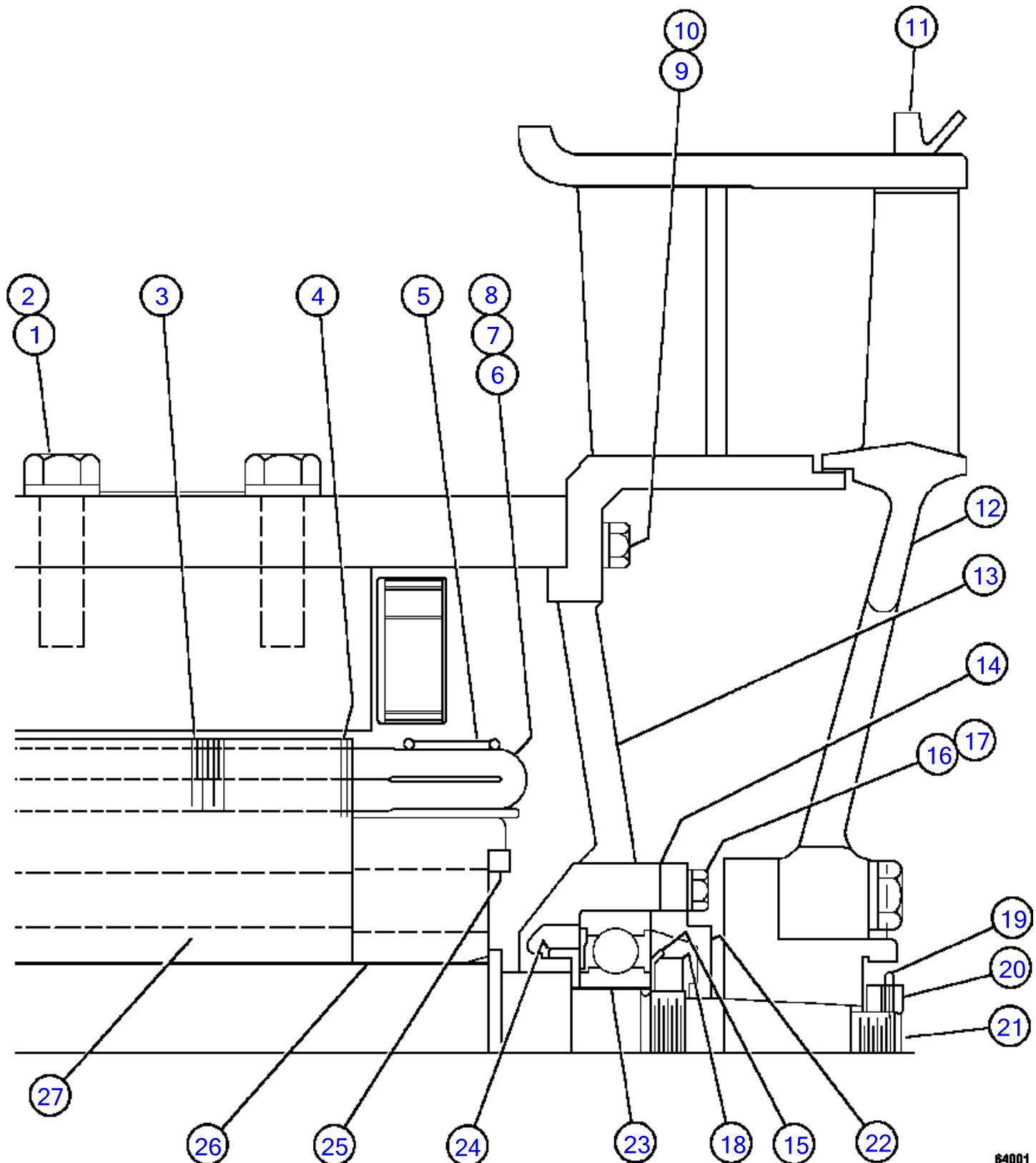
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 A31597 ANTAMINA

**BLOWER MOTOR (COMMUTATOR END) XA4146**

Item	Part No	Description	Qty	uom	Page
1	VS9062	NUT - 1 1/8"	1		
2	BF1889	COTTER PIN	1		
3	VS9222	CAP, BEARING	1		
4	VE4696	LOCKWASHER - 5/16"	8		
5	BF1006	CAPSCREW - 5/16" - 18NC X 1"	8		
6	VJ7666	PLATE, END	1		
7	GE0052	CAP, BRUSH HOLDER	1		
8	BF1002	CORD - .070" DIAMETER (1)		AS REQUIRED	
9	BF1003	VARNISH (1)		AS REQUIRED	
10	VE3030	FLAT WASHER - 1/2"	4		
11	VS9203	LOCKNUT - 1/2" - 13NC	4		
12	XA4245	HEAD, FRAME	1		
13	VE4687	LOCKWASHER - 3/8"	8		
14	VE4641	CAPSCREW - 3/8" - 16NC X 1 1/4"	8		
15	VE4256	FAN	1		
16	VE8978	SEAL, V-RING	1		
17	VJ7941	SUPPORT	4		
18	VS8162	COVER W/ LATCH	1		
	VS7026	• LATCH	1		
19	VS8161	COVER W/ LATCH	1		
	VS7026	• LATCH	1		
20	VE8445	BRUSH, CARBON	8		
21	VS8587	BRUSH HOLDER ASSEMBLY (SEE INDEX)	8		
22	BF1000	SPACER (1)	1		
23	BF0999	COMMUTATOR (1)	1		
24	GE0047	RING, GROUND BRUSH (1)	1		
25	VJ6359	HOUSING, BEARING	1		
26	VS9059	SLEEVE (1)	1		
27	VS9032	FLINGER	1		
28	VS9262	BEARING, BALL	1		
29	DC4579	MACHINE SCREW - #10 - 32NF X 5/8"	2		
30	VS9031	LOCKWASHER - 1 23/32" I.D.	1		
31	VS8884	NUT - 1 11/16"	1		
32	VE4258	MOUNT, RUBBER	4		
33	BF1887	CAPSCREW - 1/2" - 13NC X 3 1/4"	4		
34	BF1888	FLAT WASHER - 1/2"	4		
35	VE4699	LOCKWASHER - 1/2"	4		
36	VE2754	NUT - 1/2" - 13NC	4		
37	VE4409	BRUSH	1		
38	VS9061	WEIGHT, BALANCE (1)		AS REQUIRED	
39	GE0048	WEIGHT, BALANCE (1)	1		
NS		NOTE: (1) INCLUDED IN GE0046 ARMATURE ASSEMBLY.			

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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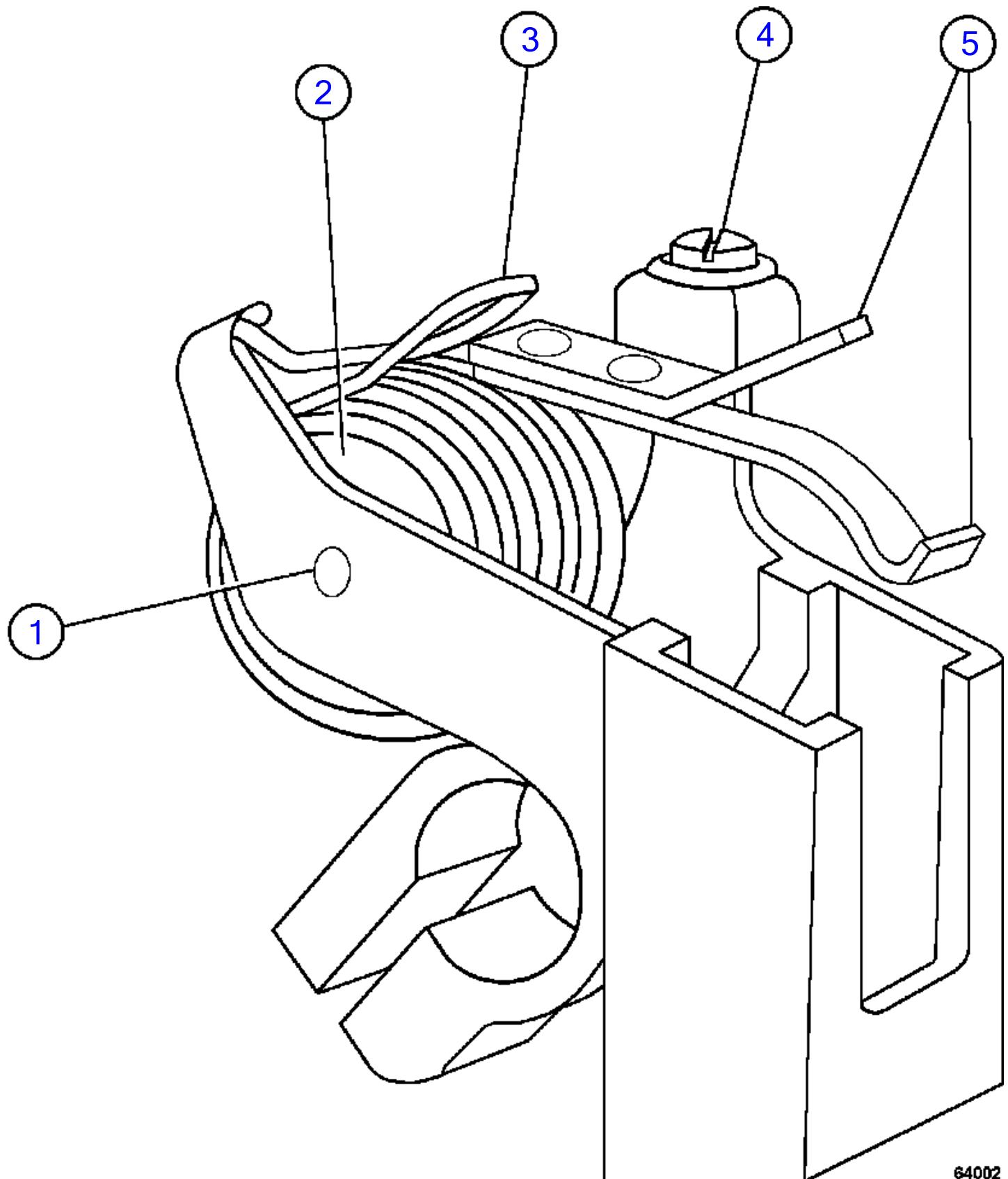
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 A31597 ANTAMINA

**BLOWER MOTOR (NON-COMMUTATOR END) XA4146**

Item	Part No	Description	Qty	uom
1	VC1390	LOCKWASHER - 5/8"	16	
2	C1630	CAPSCREW - 5/8" - 11NC X 2"	16	
3	VE4818	PUNCHING, MAIN (1)	256	
4	VE4819	PUNCHING, END (1)	4	
5	VE7206	TAPE, GLASS - .014 (1)		AS REQUIRED
6	VE2761	ARMATURE REWIND KIT (1)	1	
7	VE3915	VARNISH (1 GALLON) (1)		AS REQUIRED
8	BF1001	PUTTY, PERMAFIL (1)		AS REQUIRED
9	VE4687	LOCKWASHER - 3/8"	8	
10	VE4641	CAPSCREW - 3/8" - 16NC X 1 1/4"	8	
11	VE8978	SEAL, V-RING	1	
12	VE4257	FAN	1	
13	XA4244	HEAD, FRAME	1	
14	VJ9656	ADHESIVE, RTV		AS REQUIRED
15	VS9031	LOCKWASHER - 1 23/32" I.D.	1	
16	VE4696	LOCKWASHER - 5/16"	6	
17	TR4731	CAPSCREW - 5/16" - 18NC X 1"	6	
18	VS8884	NUT - 1 11/16"	1	
19	BF1889	COTTER PIN	1	
20	VS9062	NUT - 1 1/8"	1	
21	BF0997	SHAFT (1)	1	
22	XA4243	CAP, BEARING	1	
23	VS9262	BEARING, BALL	1	
24	VS9032	FLINGER	1	
25	VS9061	WEIGHT, BALANCE (1)		AS REQUIRED
26	BF0998	HEAD, ARMATURE (1)	1	
27	GE0046	ARMATURE ASSEMBLY	1	
NS		NOTE: (1) INCLUDED IN GE0046 ARMATURE ASSEMBLY.		

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



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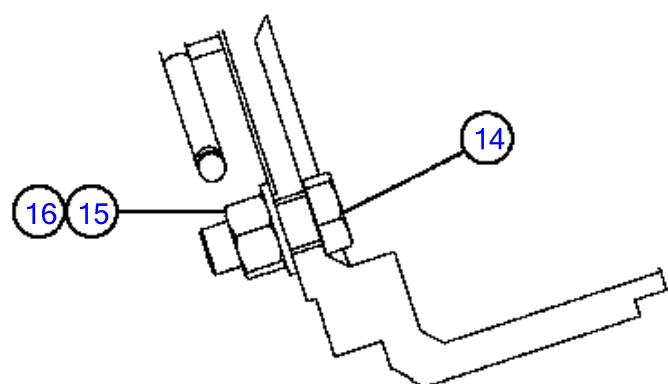
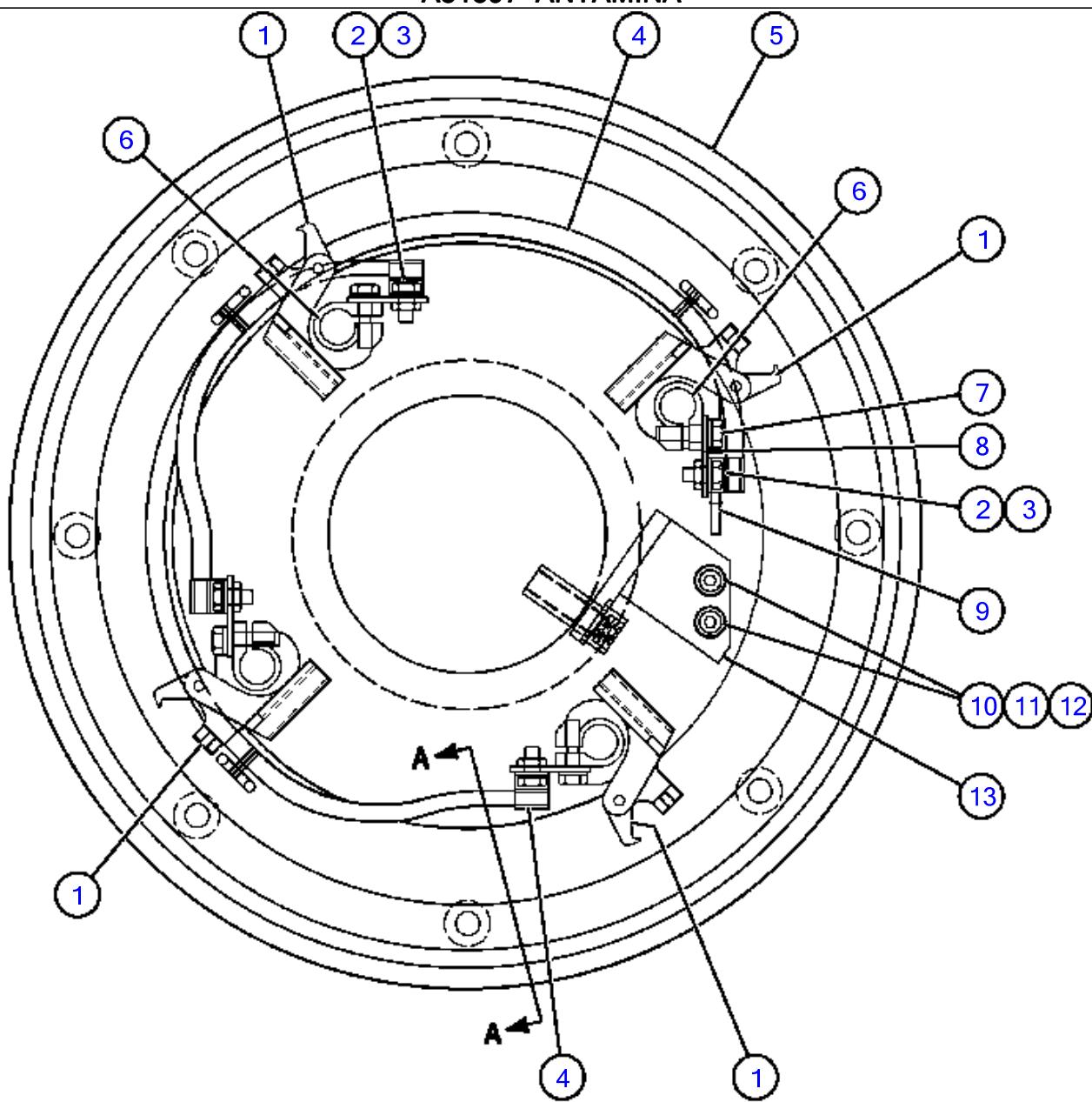
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A31597 ANTAMINA

**BRUSH HOLDER ASSEMBLY**

**VS8587**

Item	Part No	Description	Qty
1	VJ1085	PIN, SPRING DOWEL	1
2	VJ1086	HUB, SPRING	1
3	VS9076	SPRING	1
4	VS5829	SCREW - #10 - 32NF X 1/2"	1
5	VJ1083	ARM, PRESSURE	1

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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A31597 ANTAMINA



SECTION A-A

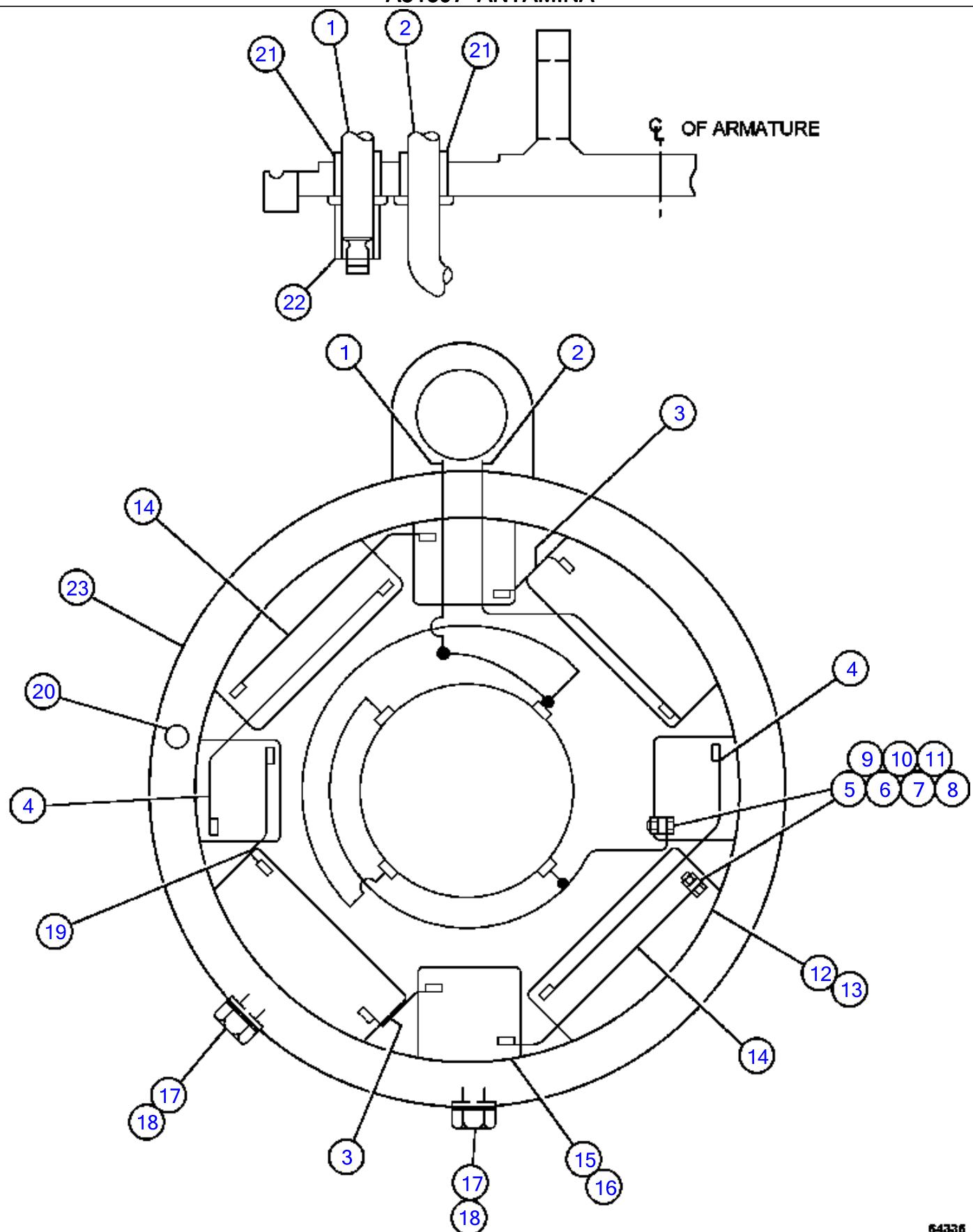
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 A31542, A31544, A31546, A31558, A31564, A31582, A31584, A31586, A31593, A31595 &  
 A31597 ANTAMINA

**BLOWER MOTOR (BRUSH HOLDER WIRING) XA4146**

Item	Part No	Description	Qty	uom	Page
1	VS8587	BRUSH HOLDER ASSEMBLY (SEE INDEX)	8		688
2	DC3584	LOCKWASHER - 1/4"	4		
3	VE4642	CAPSCREW - 1/4" - 20NC X 5/8"	2		
	VE4630	CAPSCREW - 1/4" - 20NC X 3/4"	2		
4	VE4825	CABLE ASSEMBLY - 17 3/4" LONG	2		
5	XA4245	HEAD, FRAME	1		
6	VJ7941	SUPPORT	4		
7	VS8952	CAPSCREW - 1/4" - 20NC X 1"	8		
8	VS9082	STRAP, CONNECTION	4		
9	VS9081	CONNECTOR, FLEXIBLE	1		
10	VE4687	LOCKWASHER - 3/8"	2		
11	GE0831	CAPSCREW - 3/8" - 16NC X 3/8"	2		
12	GE0051	CEMENT		AS REQUIRED	
13	GE0830	BRACKET, GROUND BRUSH	1		
14	XA4246	CAPSCREW - 5/8" - 11NC X 3/8"	1		
15	GE0042	WASHER - 5/8"	1		
16	XA4247	NUT - 5/8" - 11NC	1		

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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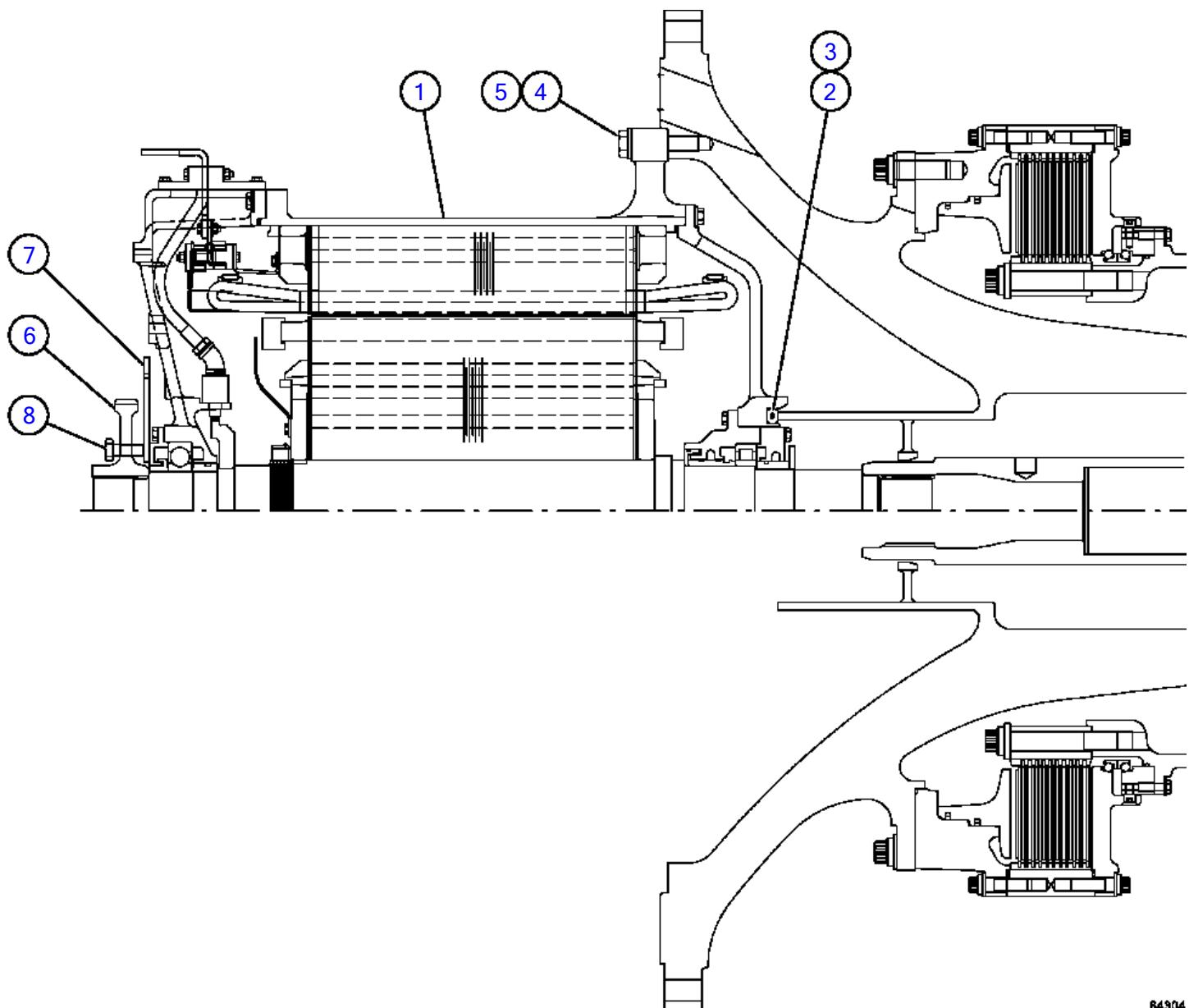


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 A31597 ANTAMINA

**BLOWER MOTOR (FIELD INSTALLATION) XA4146**

Item	Part No	Description	Qty	uom
1	GE0833	CABLE ASSEMBLY - 102" LONG	1	
2	GE0832	CABLE ASSEMBLY - 108" LONG	1	
3	VS9089	STRAP, CONNECTION	2	
4	VS9086	STRAP, CONNECTION	2	
5	SP8417	FLAT WASHER - 1/4"	16	
6	DC3584	LOCKWASHER - 1/4"	16	
7	VE4642	CAPSCREW - 1/4" - 20NC X 5/8"	14	
	VE4630	CAPSCREW - 1/4" - 20NC X 3/4"	2	
8	TD1549	NUT - 1/4" - 20NC	16	
9	VE4332	TAPE		AS REQUIRED
10	VE4335	TAPE		AS REQUIRED
11	VE3915	VARNISH (1 GALLON)		AS REQUIRED
12	BF1004	COIL, EXCITING	4	
13	VS9084	PIECE, POLE	4	
14	VS9087	STRAP, CONNECTION	2	
15	BF1005	COIL, COMMUTATING	4	
16	VS9083	PIECE, POLE	4	
17	C1630	CAPSCREW - 5/8" - 11NC X 2"	16	
18	VC1390	LOCKWASHER - 5/8"	16	
19	VS9088	STRAP, CONNECTION	1	
20	VE4832	PIN, DOWEL	2	
21	VE4835	BUSHING	2	
22	VS7010	BUSHING	1	
23	XA4248	FRAME, MAGNET	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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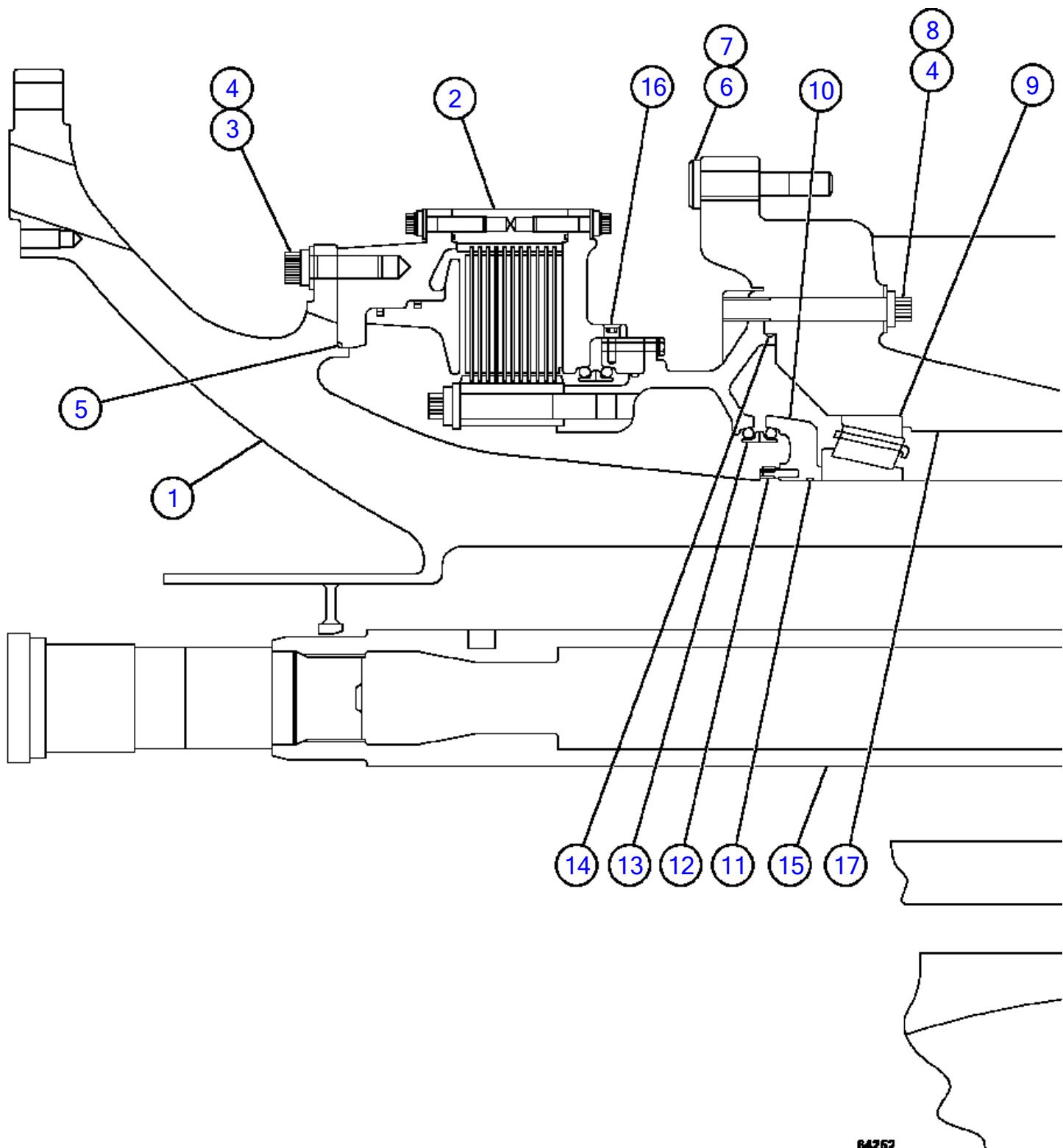
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 A31597 ANTAMINA

## WHEEL MOTOR ASSEMBLY

**58F-30-00001**

Item	Part No	Description	Qty	uom	Page
0	58F-30-00011	TRANSMISSION, MOTORIZED WHEEL (SEE INDEX)	1		696
1	XA4259	MOTOR ASSEMBLY - WHEEL (SEE INDEX)	1		704
2	VE1273	RING, SEAL	1		
3	BF5597	CEMENT (1 QUART)			
4	GE0111	CAPSCREW - 1" - 8NC X 4 1/2"	12		
5	VE3922	FLAT WASHER - 1"	12		
6	EH7186	ADAPTER, PARKING BRAKE	1		
7	GE1366	PIPE, SUPPORT	2		
8	C1645	CAPSCREW - 3/4" - 10NC X 2 1/4" (SEE FOLLOWING PAGES FOR BALANCE OF WHEEL MOTOR COMPONENT PARTS.)	2		

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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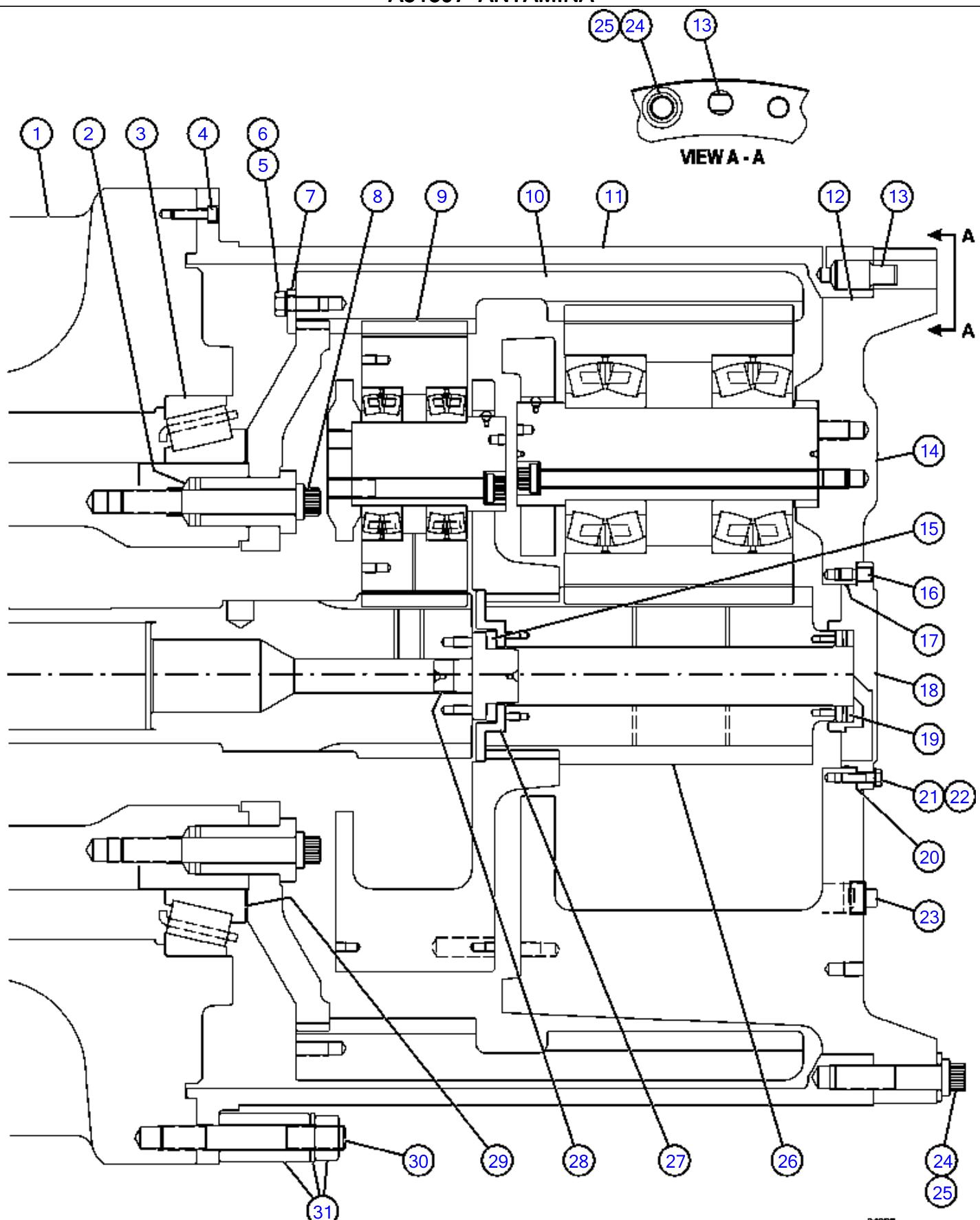


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 A31597 ANTAMINA

**TRANSMISSION, MOTORIZED WHEEL 1/2 58F-30-00011**

Item	Part No	Description	Qty	uom
1	GE0708	FRAME, WHEEL MOTOR	1	
2	XB0834	REAR BRAKE ASSEMBLY (1)	1	
3	GE0082	CAPSCREW - 1 1/4" - 12NF X 3 1/2" (12 PT)	27	
4	GE0449	FLAT WASHER - 1 1/4"	54	
5	EH7196	SEAL, O-RING	1	
6	GE0533	STUD	57	
7	GE0088	NEVER - SEEZ		AS REQUIRED
8	GE0450	CAPSCREW - 1 1/4" - 12NF X 8 1/2" (12 PT)	27	
9	GE0055	BEARING, ROLLER	1	
10	EH0856	CARRIER, SEAL (1)	1	
11	EH7193	O-RING	1	
12	SL7740	ROLLPIN	1	
13	PC0179	SEAL ASSEMBLY	1	
14	EH7196	SEAL, O-RING	1	
15	GE1307	SHAFT, DRIVE	1	
16	D2930	CAPSCREW, SOCKET HEAD - 1/2" - 13NC X 3/4" (2)	6	
17	58F-30-00090	HUB, WHEEL	1	
NS		NOTE: (1) NOT INCLUDED IN ASSEMBLY.		
NS		(2) USED FOR SHIPPING ASSEMBLY ONLY OR DURING		
NS		OVERHAUL AND STORAGE OF WHEEL MOTOR.		

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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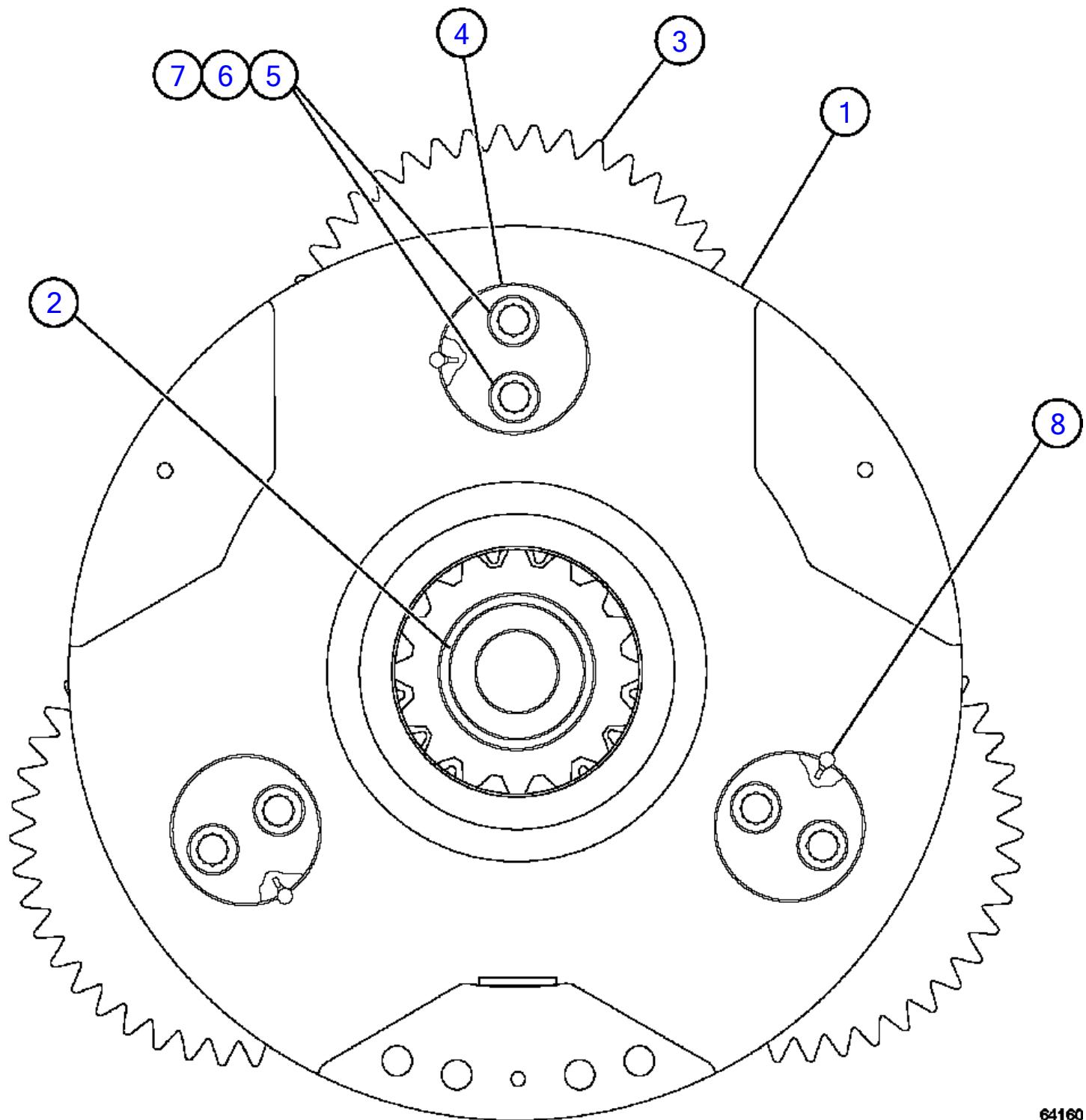


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 A31597 ANTAMINA

**TRANSMISSION, MOTORIZED WHEEL 2/2 58F-30-00011**

Item	Part No	Description	Qty	uom	Page
1	58F-30-00090	HUB, WHEEL	1		
2	GE0896	BUSHING	16		
3	GE0448	LUBRICANT, BONDED		AS REQUIRED	
4	GE0056	BEARING, ROLLER	1		
5	GE0069	CAPSCREW, SOCKET HEAD - 1/2" - 13NC X 1 3/4"	18		
6	TD7882	CAPSCREW - 3/4" - 10NC X 1 3/4"	16		
7	BF4617	FLAT WASHER - 3/4"	16		
8	GE0895	PLATE, CLAMP	8		
9	58B-98-10700	CAPSCREW - 1 1/4" - 12NF X 9" (12 PT)	16		
10	GE1315	CARRIER ASSEMBLY - HIGH SPEED (SEE INDEX)	1		700
11	GE0933	GEAR, RING	1		
12	XA4489	TUBE, TORQUE	1		
13	VJ9656	ADHESIVE, RTV		AS REQUIRED	
14	GE0067	PIN, LOCATING	1		
15	XA4490	CARRIER ASSEMBLY - LOW SPEED (SEE INDEX)	1		702
16	GE1764	WASHER, THRUST	1		
17	GE1353	SCREW, LOCATING	1		
18	GE0887	O-RING	1		
19	GE1346	COVER, LOW SPEED CARRIER	1		
20	GE1489	WASHER, THRUST	1		
21	GE0897	SHIM SET	1		
	GE0898	· SHIM - .015	12		
	GE0899	· SHIM - .030	6		
22	VE5185	FLAT WASHER - 1/2"	11		
23	TV1918	CAPSCREW - 1/2" - 13NC X 1 3/4"	11		
24	GE0086	PLUG, PIPE	8		
25	GE0449	FLAT WASHER - 1 1/4"	35		
26	GE0068	CAPSCREW - 1 1/4" - 12NF X 5 1/2" (12 PT)	35		
27	GE1288	GEAR, SUN PINION - LOW SPEED	1		
28	GE1293	RETAINER, HIGH SPEED THRUST BEARING (1)	1		
29	GE1820	PLUG, SUN PINION	1		
30	GE0078	SHIM SET	1		
	GE0079	· SHIM - .005	5		
	GE0080	· SHIM - .007	4		
	GE0081	· SHIM - .229	4		
31	EM5451	STUD - 1 1/4" - 7NC X 10 13/16"	54		
	GE0535	BLOCK (2)	9		
	GE0449	FLAT WASHER - 1 1/4" (2)	9		
	GE0536	NUT - 1 1/4" - 7NC (2)	9		
NS		NOTE: (1) PART OF GE1315 HIGH SPEED CARRIER ASSEMBLY.			
NS		(2) USED FOR SHIPPING ASSEMBLY ONLY OR DURING			
NS		OVERHAUL AND STORAGE OF WHEEL MOTOR.			

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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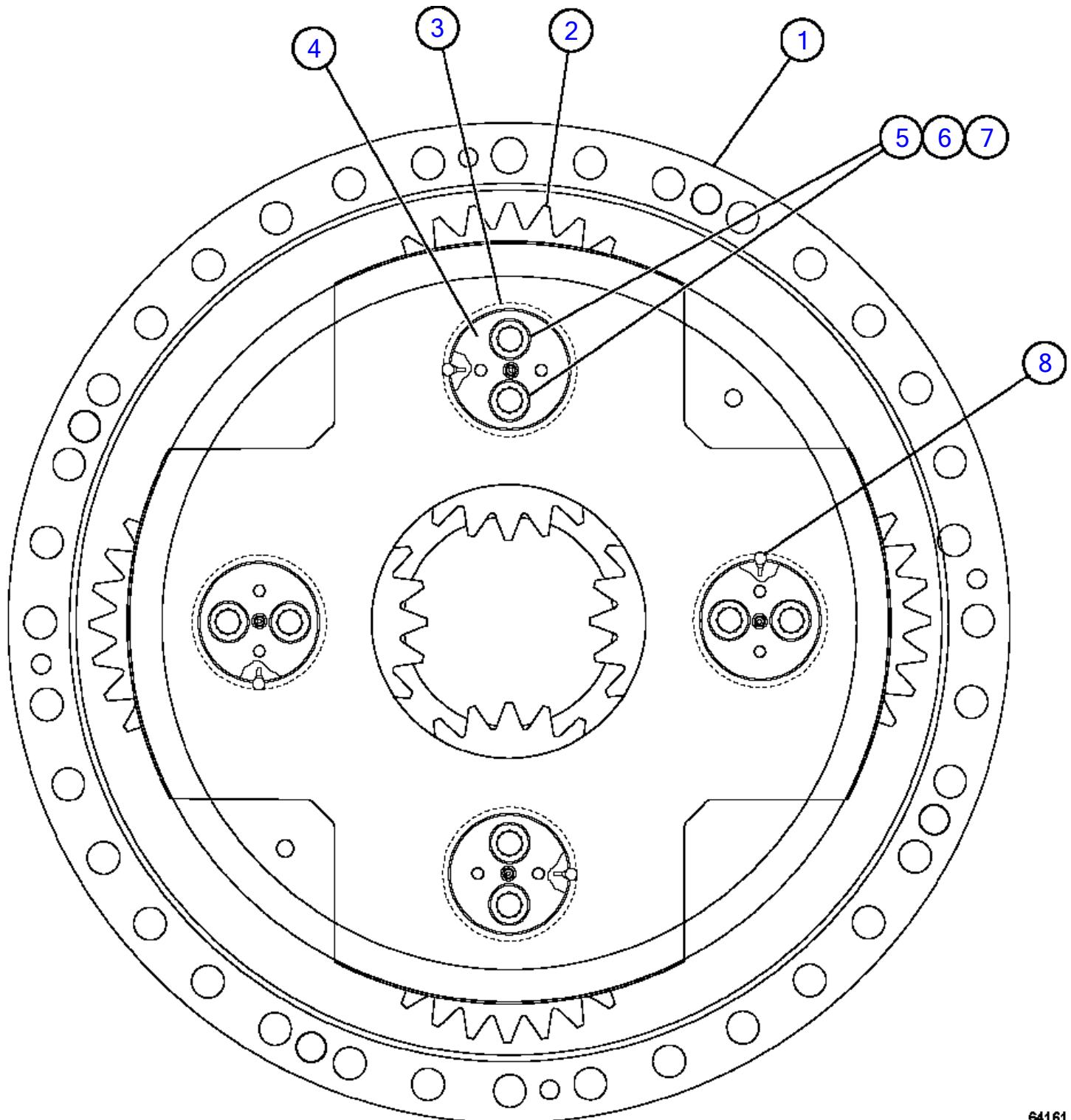
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 A31597 ANTAMINA

**CARRIER ASSEMBLY - HIGH SPEED      GE1315**

Item	Part No	Description	Qty	uom
1	GE0923	CARRIER, HIGH SPEED	1	
2	GE1293	RETAINER, HIGH SPEED THRUST BEARING	1	
3	GE0915	GEAR, PLANETARY PINION	3	
4	GE0906	SHAFT, PLANETARY PINION GEAR	3	
	GE1354	BEARING, ROLLER	6	
5	GE0095	LOCKWASHER - 1"	6	
6	58B-98-10300	CAPSCREW - 1" - 8NC X 8 1/4" (12 PT)	6	
7	GE0096	THREAD LOCK		AS REQUIRED
8	H2980	BALL, PINION PIN LOCK	3	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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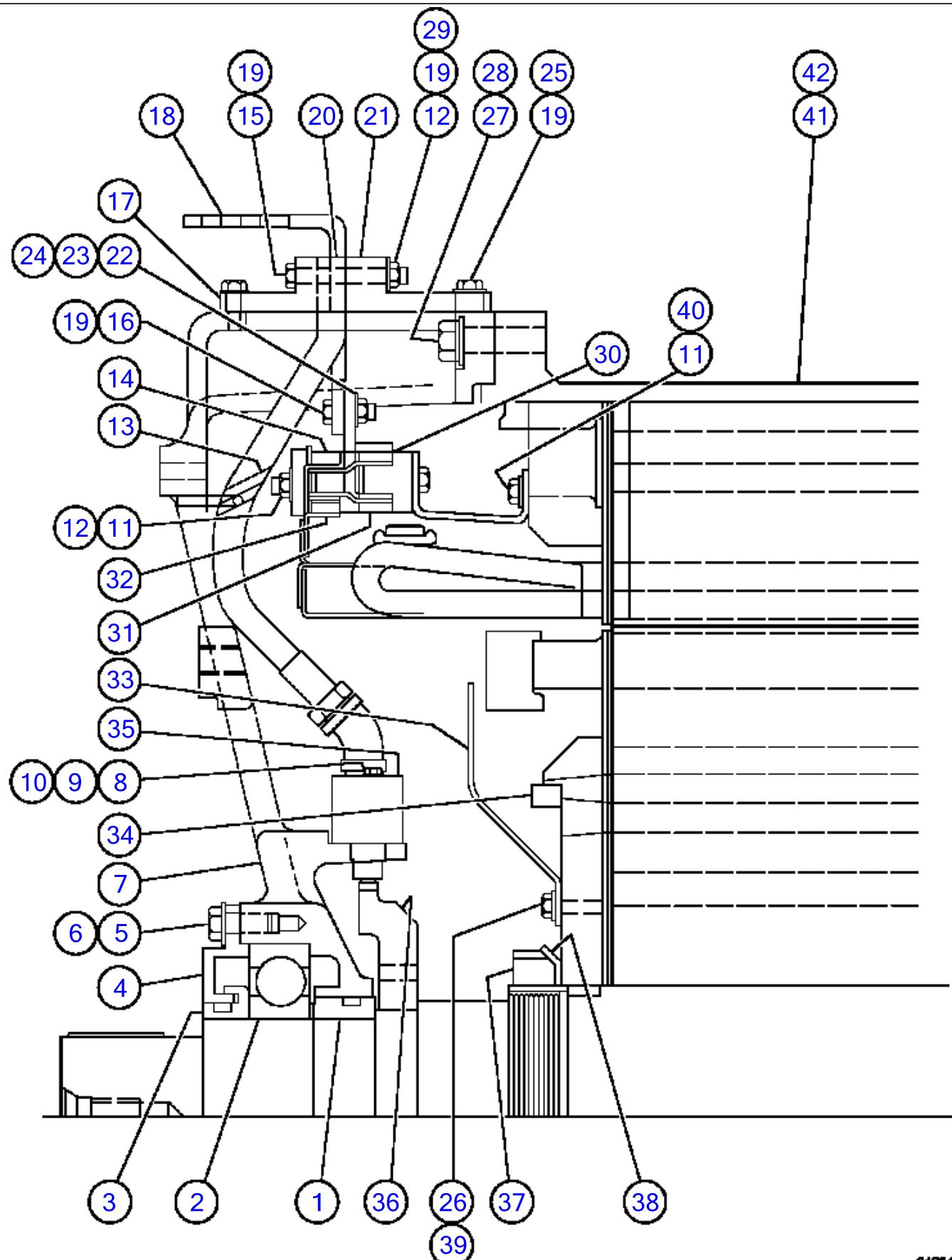
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 A31597 ANTAMINA

**CARRIER ASSEMBLY - LOW SPEED**

**XA4490**

Item	Part No	Description	Qty	uom
1	58F-30-00030	CARRIER, LOW SPEED	1	
2	GE0917	GEAR, PLANETARY PINION	4	
3	GE0908	SHAFT, PLANETARY PINION GEAR	4	
4	GE0937	BEARING, ROLLER	8	
5	58B-98-10400	CAPSCREW - 1" - 8NC X 16" (12 PT)	8	
6	GE0095	LOCKWASHER - 1"	8	
7	GE0096	THREAD LOCK		
8	H2980	BALL, PINION PIN LOCK	4	AS REQUIRED

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
A31479, A31501 - A31502, A31504, A31516, A31518, A31528, A31530, A31536, A31538,  
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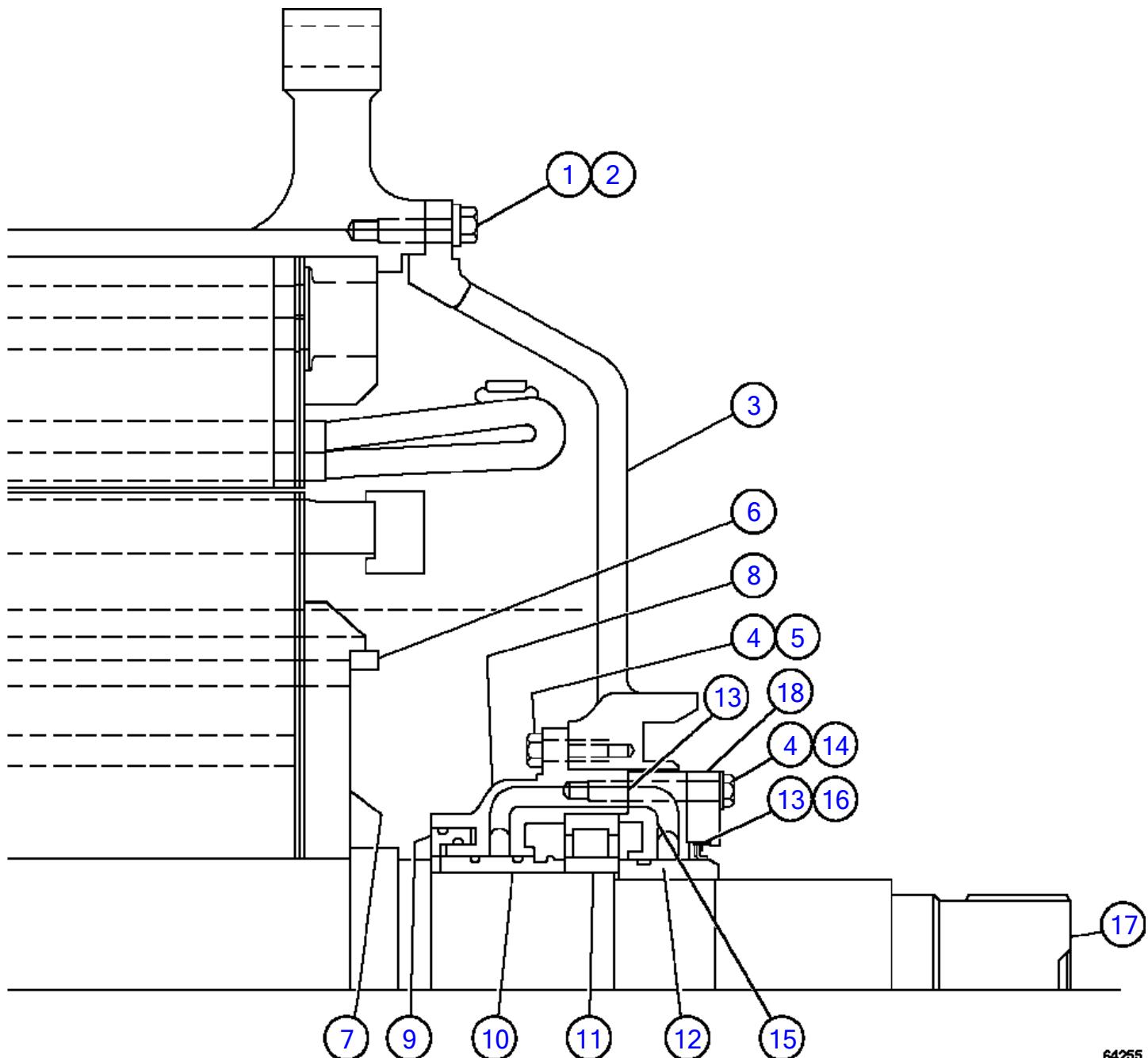
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 A31597 ANTAMINA

**MOTOR ASSEMBLY - WHEEL 1/2**

**XA4259**

Item	Part No	Description	Qty	uom
1	GE0128	COLLAR (INNER)	1	
2	GE0127	BEARING	1	
3	GE0126	COLLAR (OUTER)	1	
4	GE0125	CAP, BEARING	1	
5	VE5185	FLAT WASHER - 1/2"	8	
6	VE4518	CAPSCREW - 1/2" - 13NC X 1 1/2"	8	
7	GE0124	FRAME, HEAD	1	
8	VE5762	FLAT WASHER - 5/16"	2	
9	GE0628	CAPSCREW - 5/16" - 18NC X 2 1/4"	2	
10	XA4257	LOCTITE		AS REQUIRED
11	VE3027	FLAT WASHER - 3/8"	27	
12	TC1233	NUT - 3/8" - 16NC	14	
13	VE7206	TAPE, GLASS - .014	1	
14	GE0112	RING, BUS (TC)	1	
15	VE4515	FLAT WASHER - 3/8"		AS REQUIRED
16	VE4641	CAPSCREW - 3/8" - 16NC X 1 1/4"	3	
17	GE0137	CLAMP	1	
18	GE1367	CONNECTION, STRAP	3	
19	VE4701	CAPSCREW - 3/8" - 16NC X 3"	2	
20	VE7272	SEALANT		AS REQUIRED
21	GE0136	BLOCK	1	
22	VE4783	PUTTY		AS REQUIRED
23	VE4334	TAPE		AS REQUIRED
24	VE4335	TAPE		AS REQUIRED
25	VE4640	CAPSCREW - 3/8" - 16NC X 1 1/2"	4	
26	VE4739	CAPSCREW - 3/8" - 16NC X 1"	8	
27	XA4136	FLAT WASHER - 5/8" (HARDENED)		AS REQUIRED
28	XA4217	CAPSCREW - 5/8" - 11NC X 2"		AS REQUIRED
29	VE4687	LOCKWASHER - 3/8"	5	
30	GE0113	RING, BUS (TB)	1	
31	GE0114	RING, BUS (TA)	1	
32	GE0115	RING, BUS (N)	1	
33	GE0394	DEFLECTOR, AIR	1	
34	GE0122	WEIGHT, BALANCING		AS REQUIRED
35	XA4256	SENSOR, SPEED	1	
36	GE0119	WHEEL, SENSOR	1	
37	GE0120	NUT	1	
38	GE0123	LOCKWASHER	1	
39	VE4516	FLAT WASHER - 3/8"	8	
40	VE4526	CAPSCREW - 3/8" - 16NC X 7/8"	18	
41	XA4258	STATOR ASSEMBLY	1	
42	GE1252	STATOR REWIND KIT	1	

AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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AFE62-AR 930E-4SE S/N A31432, A31448, A31452, A31464, A31466, A31475 - A31477,  
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 A31597 ANTAMINA

**MOTOR ASSEMBLY - WHEEL 2/2**

**XA4259**

Item	Part No	Description	Qty	uom
1	XA4136	FLAT WASHER - 5/8" (HARDENED)		AS REQUIRED
2	XA4217	CAPSCREW - 5/8" - 11NC X 2"		AS REQUIRED
3	GE0129	FRAME, HEAD	1	
4	VE5185	FLAT WASHER - 1/2"	8	
5	VE4518	CAPSCREW - 1/2" - 13NC X 1 1/2"	4	
6	GE0122	WEIGHT, BALANCING		AS REQUIRED
7	XA4262	ROTOR ASSEMBLY	1	
8	GE0130	HOUSING, BEARING	1	
9	GE0133	FLINGER	1	
10	GE0134	COLLAR	1	
11	GE0438	BEARING	1	
12	XA4261	COLLAR	1	
13	VS7492	SEALER - 5 OZ		AS REQUIRED
14	VE6232	CAPSCREW - 1/2" - 13NC X 3 1/4"	1	
15	XA4260	CAP, BEARING	1	
16	BF1660	SEAL, LIP	1	
17	GE0437	SHAFT	1	
18	GE0395	CAP, BEARING	1	