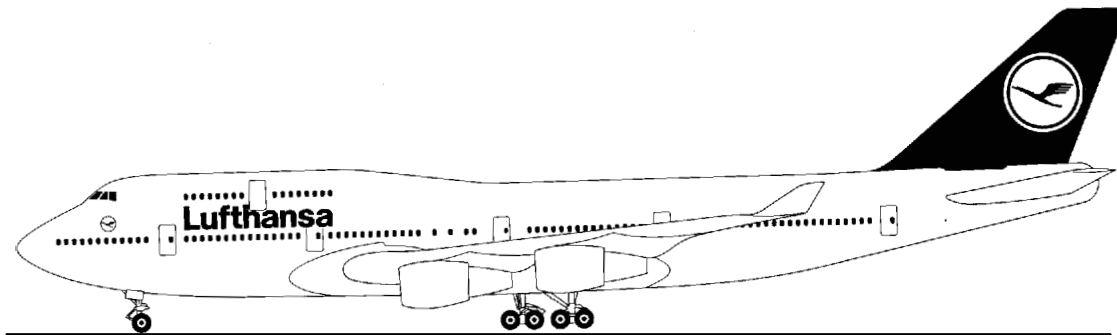




Lufthansa Technical Training

Training Manual B 747-400



ATA 29, 32, 27 Practical Training Handbook Part 2 WF-B12-E/M



Lufthansa Technical Training

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ATA 29	HYDRAULIC POWER	1
29-10	MAIN HYDRAULIC SUPPLY	1
	COMPONENT INDEX AND LOCATION	1
	FGM / FZE B1 LOCATIONS	3
	FGM B2 LOCATIONS	4
29-20	AUXILIARY AC HYDRAULIC SYSTEM	27
	COMPONENT INDEX AND LOCATION	27
29-30	HYDRAULIC SYSTEM INDICATION	31
	COMPONENT INDEX AND LOCATION	31
ATA 32	LANDING GEAR	41
32-09	LANDING GEAR MULTIPLE SYSTEM	41
	COMPONENT INDEX AND LOCATION	41
	FGM B1 LOCATIONS	43
	FZE B1 LOCATIONS	44
	FGM B2 COMPONENTS	45
	FZE B2 LOCATIONS	46
32-11	WING GEAR	49
	COMPONENT INDEX AND LOCATION	49
32-12	WING GEAR DOORS	57
	COMPONENT INDEX AND LOCATION	57
32-13	BODY GEAR	61
	COMPONENT INDEX AND LOCATION	61
32-14	BODY GEAR DOORS	67
	COMPONENT INDEX AND LOCATION	67
32-21	NOSE GEAR	71
	COMPONENTS INDEX AND LOCATION	71
32-22	NOSE GEAR DOORS	75
	COMPONENT INDEX AND LOCATION	75
32-31	LANDING GEAR CONTROL SYSTEM	79
	COMPONENT INDEX AND LOCATION	79
32-32	WING GEAR AND DOOR EXTENSION / RETRACTION	85
	COMPONENT INDEX AND LOCATION	85
32-33	BODY GEAR AND DOOR EXTENSION / RETRACTION	93
	COMPONENT INDEX AND LOCATION	93
32-34	NOSE GEAR EXTENSION / RETRACTION	99
	COMPONENT INDEX AND LOCATION	99
32-35	NOSE / BODY GEAR ALTERNATE EXTENSION SYS.	105
	COMPONENT INDEX AND LOCATION	105
32-36	WING GEAR ALTERNATE EXTENSION SYSTEM	113
	COMPONENT INDEX AND LOCATION	113
32-41	HYDRAULIC BRAKE SYSTEM	119
	COMPONENT INDEX AND LOCATION	119
32-42	BRAKE CONTROL SYSTEM	131
	COMPONENT INDEX AND LOCATION	131
32-44	PARKING BRAKE SYSTEM	147
	COMPONENT INDEX AND LOCATION	147
32-45	WHEELS AND TIRES	153
	COMPONENT INDEX AND LOCATION	153



Inhaltsverzeichnis

32-46	BRAKE TEMPERATURE MONITORING SYSTEM	159
	COMPONENT INDEX AND LOCATION	159
32-51	NOSE WHEEL STEERING	163
	COMPONENT INDEX AND LOCATION	163
	BODY GEAR STEERING	167
	COMPONENT INDEX AND LOCATION	167
32-61	LANDING GEAR INDICATION	173
	COMPONENT INDEX AND LOCATION	173
ATA 27	FLIGHT CONTROLS	181
27-10	AILERONS	181
	COMPONENT INDEX AND LOCATION	181
	FGM B1 LOCATION	183
	FZE B1 LOCATIONS	184
	FGM B2 LOCATION	185
	FZE B2 LOCATIONS	186
27-20	RUDDERS	196
	COMPONENT INDEX AND LOCATION	196
27-30	ELEVATORS	204
	COMPONENT INDEX AND LOCATION	204
27-40	STABILIZER	210
	COMPONENT INDEX AND LOCATION	210
27-50	FLAPS	218
	COMPONENT INDEX AND LOCATION	218
27-60	SPOILERS	228
	COMPONENT INDEX AND LOCATION	228
27-80	LIFT AUGMENTING	238
	COMPONENT INDEX AND LOCATION	238



Bildverzeichnis

Figure 1	29-10	Main Hydraulic Supply Sys. Comp. Index Fig. 101 (Sheet 1)	5
Figure 2	29-10	Main Hydraulic Supply Sys. Comp. Index Fig. 101 (Sheet 2)	6
Figure 3	29-10	Main Hydraulic Supply Sys. Comp. Index Fig. 101 (Sheet 3)	7
Figure 4	29-10	Main Hydraulic Supply Sys. Comp. Index Fig. 101 (Sheet 4)	8
Figure 5	29-10	Main Hydraulic Supply Sys. Comp. Index Fig. 101 (Sheet 5)	9
Figure 6	29-10	Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 1)	10
Figure 7	29-10	Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 2)	11
Figure 8	29-10	Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 3)	12
Figure 9	29-10	Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 4)	13
Figure 10	29-10	Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 5)	14
Figure 11	29-10	Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 6)	15
Figure 12	29-10	Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 7)	16
Figure 13	29-10	Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 8)	17
Figure 14	29-10	Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 9)	18
Figure 15	29-10	Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 10)	19
Figure 16	29-10	Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 11)	20
Figure 17	29-10	Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 12)	21
Figure 18	29-10	Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 13)	22
Figure 19	29-10	Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 14)	23
Figure 20	29-10	Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 15)	24
Figure 21	29-10	Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 16)	25
Figure 22	29-10	Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 17)	26
Figure 23	29-20	Auxiliary AC Hydraulic Sys. Comp. Location Fig. 102 (Sheet 1)	28
Figure 24	29-20	Auxiliary AC Hydraulic Sys. Comp. Location Fig. 102 (Sheet 2)	29
Figure 25	29-20	Auxiliary AC Hydraulic Sys. Comp. Location Fig. 102 (Sheet 3)	30
Figure 26	29-30	Hydraulic Sys. Indicating Comp. Index Fig. 101 (Sheet 1)	32
Figure 27	29-30	Hydraulic Sys. Indicating Comp. Index Fig. 101 (Sheet 2)	33
Figure 28	29-30	Hydraulic Sys. Indicating Comp. Index Fig. 101 (Sheet 3)	34
Figure 29	29-30	Hydraulic Sys. Comp. Location Fig. 102 (Sheet 1)	35
Figure 30	29-30	Hydraulic Sys. Comp. Location Fig. 102 (Sheet 2)	36
Figure 31	29-30	Hydraulic Sys. Comp. Location Fig. 102 (Sheet 3)	37
Figure 32	29-30	Hydraulic Sys. Comp. Location Fig. 102 (Sheet 4)	38
Figure 33	29-30	Hydraulic Sys. Comp. Location Fig. 102 (Sheet 5)	39
Figure 34	29-30	Hydraulic Sys. Comp. Location Fig. 102 (Sheet 6)	40
Figure 35	32-09	Landing Gear Multiple Sys. Comp. Index Fig. 101	47
Figure 36	32-09	Landing Gear Multiple Use Sys. Comp. Location Fig. 102	48
Figure 37	32-11	Wing Gear Comp. Index Fig. 101	50
Figure 38	32-11	Wing Gear Comp. Location Fig. 102 (Sheet 1)	51
Figure 39	32-11	Wing Gear Comp. Location Fig. 102 (Sheet 2)	52
Figure 40	32-11	Wing Gear Comp. Location Fig. 102 (Sheet 3)	53
Figure 41	32-11	Wing Gear Comp. Location Fig. 102 (Sheet 4)	54
Figure 42	32-11	Wing Gear Comp. Location Fig. 102 (Sheet 5)	55
Figure 43	32-12	Wing Gear Doors Comp. Location Fig. 101	58
Figure 44	32-12	Wing Gear Doors Comp. Location Fig. 102 (Sheet 1)	59
Figure 45	32-12	Wing Gear Doors Comp. Location Fig. 102 (Sheet 2)	60
Figure 46	32-13	Body Gear Comp. Index Fig. 101	62
Figure 47	32-13	Body Gear Comp. Location Fig. 102 (Sheet 1)	63
Figure 48	32-13	Body Gear Comp. Location Fig. 102 (Sheet 3)	64
Figure 49	32-13	Body Gear Comp. Location Fig. 102 (Sheet 3)	65
Figure 50	32-13	Body Gear Comp. Location Fig. 102 (Sheet 4)	66
Figure 51	32-14	Body Gear Doors Comp. Index Fig. 101	68
Figure 52	32-14	Body Gear Doors Comp. Location Fig. 102 (Sheet 1)	69
Figure 53	32-14	Body Gear Doors Comp. Location Fig. 102 (Sheet 2)	70
Figure 54	32-21	Nose Gear Comp. Index Fig. 101	72



Bildverzeichnis

Figure 55	32-21	Nose Landing Gear Comp. Location Fig. 102	73
Figure 56	32-22	Nose Gear Doors Comp. Index Fig. 101	76
Figure 57	32-22	Nose Gear Doors Comp. Location Fig. 102 (Sheet 1)	77
Figure 58	32-22	Nose Gear Doors Comp. Location Fig. 102 (Sheet 2)	78
Figure 59	32-31	Landing Gear Control Sys. Comp. Index Fig. 101	80
Figure 60	32-31	Landing Gear Control Sys. Comp. Location Fig. 102 (Sheet 1)	81
Figure 61	32-31	Landing Gear Control Sys. Comp. Location Fig. 102 (Sheet 2)	82
Figure 62	32-31	Landing Gear Control Sys. Comp. Location Fig. 102 (Sheet 3)	83
Figure 63	32-32	Wing Gear and Door Ext./Ret. Comp. Index Fig. 101	86
Figure 64	32-32	Wing Gear and Door Ext./Ret. Comp. Location Fig. 102 (Sheet 1)	87
Figure 65	32-32	Wing Gear and Door Ext./Ret. Comp. Location Fig. 102 (Sheet 2)	88
Figure 66	32-32	Wing Gear and Doors Ext./Ret. Comp. Location Fig. 102 (Sheet 3)	89
Figure 67	32-32	Wing Gear and Door Ext./Ret. Comp. Location Fig. 102 (Sheet 4)	90
Figure 68	32-32	Wing Gear and Door Ext./Ret. Comp. Location Fig. 102 (Sheet 5)	91
Figure 69	32-33	Body Gear and Door Ext./Ret. Comp. Index Fig. 101	94
Figure 70	32-33	Body Gear and Door Ext./Ret. Comp. Location Fig. 102 (Sheet 1)	95
Figure 71	32-33	Body Gear and Door Ext./Ret. Comp. Location Fig. 102 (Sheet 2)	96
Figure 72	32-33	Body Gear and Door Ext./Ret. Comp. Location Fig. 102 (Sheet 3)	97
Figure 73	32-34	Nose Gear Ext./Ret. Comp Index Fig. 101	100
Figure 74	32-34	Nose Gear Ext./Ret. Comp. Location Fig. 102 (Sheet 1)	101
Figure 75	32-34	Nose Gear Ext./Ret. Comp. Location Fig. 102 (Sheet 2)	102
Figure 76	32-34	Nose Gear Ext./Ret. Comp. Location Fig. 102 (Sheet 3)	103
Figure 77	32-35	Nose/Body Gear Alt. Ext. Sys. Comp. Index Fig. 101	106
Figure 78	32-35	Nose/Body Gear Alt. Ext. Sys. Comp. Location Fig. 102 (Sheet 1)	107
Figure 79	32-35	Nose/Body Gear Alt. Ext. Sys. Comp. Location Fig. 102 (Sheet 2)	108
Figure 80	32-35	Nose/Body Gear Alt. Ext. Sys. Comp. Location Fig. 102 (Sheet 3)	109
Figure 81	32-35	Nose/Body Gear Alt. Ext. Sys. Comp. Location Fig. 102 (Sheet 4)	110
Figure 82	32-35	Nose/Body Gear Alt. Ext. Sys. Comp. Location Fig. 102 (Sheet 5)	111
Figure 83	32-36	Wing Gear Alt. Ext. Sys. Comp. Index Fig. 101	114
Figure 84	32-36	Wing Gear Alt. Ext. Sys. Comp. Location Fig. 102 (Sheet 1)	115
Figure 85	32-36	Wing Gear Alt. Ext. Sys. Comp. Location Fig. 102 (Sheet 2)	116
Figure 86	32-36	Wing Gear Alt. Ext. Sys. Comp. Location Fig. 102 (Sheet 3)	117
Figure 87	32-41	Hydraulic Brake Sys. Comp. Index Fig. 101 (Sheet 1)	120
Figure 88	32-41	Hydraulic Brake Sys. Comp. Index Fig. 101 (Sheet 2)	121
Figure 89	32-41	Hydraulic Brake Sys. Comp. Location Fig. 102 (Sheet 1)	122
Figure 90	32-41	Hydraulic Brake Sys. Comp. Location Fig. 102 (Sheet 2)	123
Figure 91	32-41	Hydraulic Brake Sys. Comp. Location Fig. 102 (Sheet3)	124
Figure 92	32-41	Hydraulic Brake Sys. Comp. Location Fig. 102 (Sheet 4)	125
Figure 93	32-41	Hydraulic Brake Sys. Comp. Location Fig. 102 (Sheet 5)	126
Figure 94	32-41	Hydraulic Brake Sys. Comp. Location Fig. 102 (Sheet 6)	127
Figure 95	32-41	Hydraulic Brake Sys. Comp. Location Fig. 102 (Sheet 7)	128
Figure 96	32-41	Hydraulic Brake Sys. Comp. Location Fig. 102 (Sheet 8)	129
Figure 97	32-42	Brake Control Sys. Comp. Index Fig. 101 (Sheet 1)	132
Figure 98	32-42	Brake Control Sys. Comp. Index Fig. 101 (Sheet 2)	133
Figure 99	32-42	Brake Control Sys. Comp. Index Fig. 101 (Sheet 3)	134
Figure 100	32-42	Brake Control Sys. Comp. Location Fig. 102 (Sheet 1)	135
Figure 101	32-42	Brake Control Sys. Comp. Location Fig. 102 (Sheet 2)	136
Figure 102	32-42	Brake Control Sys. Comp. Location Fig. 102 (Sheet 3)	137
Figure 103	32-42	Brake Control Sys. Comp. Location Fig. 102 (Sheet 4)	138
Figure 104	32-42	Brake Control Sys. Comp. Location Fig.102 (Sheet 5)	139
Figure 105	32-42	Brake Control Sys. Comp. Location Fig. 102 (Sheet 6)	140
Figure 106	32-42	Brake Control Sys. Comp. Location Fig. 102 (Sheet 7)	141
Figure 107	32-42	Brake Control Sys. Comp. Location Fig. 102 (Sheet 8)	142
Figure 108	32-42	Brake Control Sys. Comp. Location Fig. 102 (Sheet 9)	143



Bildverzeichnis

Figure 109	32-42	Brake Control Sys. Comp. Location Fig. 102 (Sheet 10)	144
Figure 110	32-42	Brake Control Sys. Comp. Location Fig. 102 (Sheet 11)	145
Figure 111	32-42	Brake Control Sys. Comp. Location Fig. 102 (Sheet 12)	146
Figure 112	32-44	Parking Brake Sys. Comp. Index Fig. 101 (Sheet 1)	148
Figure 113	32-44	Parking Brake Sys. Comp. Location Fig. 102 (Sheet 1)	149
Figure 114	32-44	Parking Brake Sys. Comp. Location Fig. 102 (Sheet 2)	150
Figure 115	32-44	Parking Brake Sys. Comp. Location Fig. 102 (Sheet 3)	151
Figure 116	32-44	Parking Brake Sys. Comp. Location Fig. 102 (Sheet 4)	152
Figure 117	32-45	Wheels and Tires Comp. Index Fig. 101 (Sheet 1)	154
Figure 118	32-45	Wheels and Tires Comp. Index Fig. 101 (Sheet 2)	155
Figure 119	32-45	Wheels and Tires Comp. Location Fig. 102 (Sheet 1)	156
Figure 120	32-45	Wheels and Tires Comp. Location Fig. 102 (Sheet 2)	157
Figure 121	32-46	Brake Temp. Monitoring Sys. Comp. Index Fig. 101	160
Figure 122	32-46	Brake Temp. Monitoring Sys. Comp. Location Fig. 102 (Sheet 1)	161
Figure 123	32-46	Brake Temp. Monitoring Sys. Comp. Location Fig. 102 (Sheet 2)	162
Figure 124	32-51	Nose Wheel Steering Sys. Comp. Index Fig. 101	164
Figure 125	32-51	Nose Wheel Steering Sys. Comp. location Fig. 102 (Sheet 1)	165
Figure 126	32-51	Nose Wheel Steering Sys. Comp. Location Fig. 102 (Sheet 2)	166
Figure 127	32-53	Body Gear Steering Sys. Comp. Index Fig. 101	168
Figure 128	32-53	Body Gear Steering Sys. Comp. Location Fig. 102 (Sheet 1)	169
Figure 129	32-53	Body Gear Steering Sys. Comp. Location Fig. 102 (Sheet 2)	170
Figure 130	32-53	Body Gear Steering Sys. Comp. Location Fig. 102 (Sheet 3)	171
Figure 131	32-61	Landing Gear Indication Sys. Comp. Index Fig. 101 (Sheet 1)	174
Figure 132	32-61	Landing Gear Indication Sys. Comp. Index Fig. 101 (Sheet 2)	175
Figure 133	32-61	Landing Gear Indication Sys. Comp. Location Fig. 102 (Sheet 1)	176
Figure 134	32-61	Landing Gear Indication Sys. Comp. Location Fig. 102 (Sheet 2)	177
Figure 135	32-61	Landing Gear Indication Sys. Comp. Location Fig. 102 (Sheet 3)	178
Figure 136	32-61	Landing Gear Indication Sys. Comp. Location Fig. 102 (Sheet 4)	179
Figure 137	32-61	Landing Gear Indication Sys. Comp. Location Fig. 102 (Sheet 5)	180
Figure 138	27-10	Ailerons Comp. Index Fig. 101 (Sheet 1)	187
Figure 139	27-10	Ailerons Comp. Index Fig. 101 (Sheet 2)	188
Figure 140	27-10	Ailerons Comp. Location Fig. 102 (Sheet 1)	189
Figure 141	27-10	Ailerons Comp. Location Fig. 102 (Sheet 2)	190
Figure 142	27-10	Ailerons Comp. Location Fig. 102 (Sheet 3)	191
Figure 143	27-10	Ailerons Comp. Location Fig. 102 (Sheet 4)	192
Figure 144	27-10	Ailerons Comp. Location Fig. 102 (Sheet 5)	193
Figure 145	27-10	Ailerons Comp. Location Fig. 102 (Sheet 6)	194
Figure 146	27-20	Rudders Comp. Index Fig. 101 (Sheet 1)	197
Figure 147	27-20	Rudders Comp. Index Fig. 101 (Sheet 2)	198
Figure 148	27-20	Rudders Comp. Location Fig. 102 (Sheet 1)	199
Figure 149	27-20	Rudders Comp. Location Fig. 102 (Sheet 2)	200
Figure 150	27-20	Rudders Comp. Location Fig. 102 (Sheet 3)	201
Figure 151	27-20	Rudders Comp. Location Fig. 102 (Sheet 4)	202
Figure 152	27-20	Rudders Comp. Location Fig. 102 (Sheet 5)	203
Figure 153	27-30	Elevators Comp. Index Fig. 101	205
Figure 154	27-30	Elevators Comp. Location Fig. 102 (Sheet 2)	206
Figure 155	27-30	Elevators Comp. Location Fig. 102 (Sheet 3)	207
Figure 156	27-30	Elevators Comp. Location Fig. 102 (Sheet 4)	208
Figure 157	27-30	Elevators Comp. Location Fig. 102 (Sheet 5)	209
Figure 158	27-40	Horizontal Stabilizer Comp. Index Fig. 101 (Sheet 1)	211
Figure 159	27-40	Horizontal Stabilizer Comp. Index Fig. 101 (Sheet 2)	212
Figure 160	27-40	Horizontal Stabilizer Comp. Index Fig. 101 (Sheet 3)	213
Figure 161	27-40	Horizontal Stabilizer Comp. Location Fig. 102 (Sheet 1)	214
Figure 162	27-40	Horizontal Stabilizer Comp. Locations Fig. 102 (Sheet 2)	215



Bildverzeichnis

Figure 163	27-40	Horizontal Stabilizer Comp. Locations Fig. 102 (Sheet 3)	216
Figure 164	27-50	Flaps Comp. Index Fig. 101 (Sheet 1)	219
Figure 165	27-50	Flaps Comp. Index Fig. 101 (Sheet 2)	220
Figure 166	27-50	Flaps Comp. Index Fig. 101 (Sheet 3)	221
Figure 167	27-50	Flaps Comp. Location Fig. 102 (Sheet 1)	222
Figure 168	27-50	Flaps Comp. Location Fig. 102 (Sheet 2)	223
Figure 169	27-50	Flaps Comp. Location Fig. 102 (Sheet 3)	224
Figure 170	27-50	Flaps Component Location Fig. 102 (Sheet 4)	225
Figure 171	27-50	Flaps Comp. Location Fig. 102 (Sheet 5)	226
Figure 172	27-50	Flaps Comp. Location Fig. 102 (Sheet 6)	227
Figure 173	27-60	Spoiler and Drag Devices Comp. Index Fig. 101 (Sheet 1)	229
Figure 174	27-60	Spoiler and Drag Devices Comp. Index Fig. 101 (Sheet 2)	230
Figure 175	27-60	Spoiler and Drag Devices Comp. Index Fig. 101 (Sheet 3)	231
Figure 176	27-60	Spoiler and Drag Devices Comp. Index Fig. 101 (Sheet 4)	232
Figure 177	27-60	Spoiler and Drag Devices Comp. Location Fig. 102 (Sheet 1)	233
Figure 178	27-60	Spoiler and Drag Devices Comp. Location Fig. 102 (Sheet 2)	234
Figure 179	27-60	Spoiler and Drag Devices Comp. Location Fig. 102 (Sheet 3)	235
Figure 180	27-60	Spoiler and Drag Devices Comp. Locations Fig. 102 (Sheet 4)	236
Figure 181	27-80	Lift Augmenting Comp. Index Fig. 101 (Sheet 1)	239
Figure 182	27-80	Lift Augmenting Comp. Index Fig. 101 (Sheet 2)	240
Figure 183	27-80	Lift Augmenting Comp. Location Fig. 102 (Sheet 1)	241
Figure 184	27-80	Lift Augmenting Comp. Location Fig. 102 (Sheet 2)	242
Figure 185	27-80	Lift Augmenting Comp. Location Fig. 102 (Sheet 3)	243
Figure 186	27-80	Lift Augmenting Comp. Location Fig. 102 (Sheet 4)	244



ATA 29 HYDRAULIC POWER

29-10 MAIN HYDRAULIC SUPPLY

COMPONENT INDEX AND LOCATION



FGM / FZE B1 LOCATIONS

Hydraulic Control Panel

Reservoir and Quantity Transmitter

Supply Shutoff Valve

Engine Driven Pump (EDP)

Air Driven Pump (ADP), AC Motor Pump (ACMP)

Aux. Motor Pump

Case Drain Module and Temperature Sensor

Reservoir Low Pressure Warning Switch

HYDIM

HYQUIM

Pressure Module and Low Pressure Switches

Pressure Transmitter

Hydraulic Bay Doors Handling

FGM B2 LOCATIONS

Heat Exchanger

Return Filter Module

ADP Overspeed Trip Valve

ADP Tubine Oil Reservoir

Pressure Filter

Pressure Relief Valve

Case Drain Filter



MAIN HYDRAULIC SUPPLY SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ASSEMBLY - SYS 1 GOVERNOR UNIT AND OIL PUMP DRIVE	7	1	454A TRAILING EDGE FAIRING DOORS	29-11-10
ASSEMBLY - SYS 4 GOVERNOR UNIT AND OIL PUMP DRIVE	7	1	484A TRAILING EDGE FAIRING DOORS	29-11-10
CARD - HYD INTERFACE MODULE (HYDIM) CIRCUIT	12		M7603 ELEC SYSTEMS CARD FILE	29-11-42
SYS 1, YMLA20		1		
SYS 2, YMLA21		1		
SYS 3, YMLA22		1		
SYS 4, YMLA23		1		
CIRCUIT BREAKERS	1		FLT COMPT, P6	
FIRE EXTINGUISHER ENG 1 & 3 B, C211		1	6H1	*
FIRE EXTINGUISHER ENG 1 & 3 A, C212		1	6H2	*
FIRE EXTINGUISHER ENG 2 & 4 B, C213		1	6H3	*
FIRE EXTINGUISHER ENG 2 & 4 A, C214		1	6H4	*
CIRCUIT BREAKERS	1		FLT COMPT, P7	*
HYD DEMAND 1, C489		1	7J1	*
HYD DEMAND 2, C241		1	7H1	*
HYD DEMAND 3, C502		1	7G1	*
HYD DEMAND 4, C494		1	7F1	*
HYD EDP DEPRESS 1, C15		1	7J2	*
HYD EDP DEPRESS 2, C16		1	7H2	*
HYD EDP DEPRESS 3, C388		1	7G2	*
HYD EDP DEPRESS 4, C165		1	7F2	*
HYD EDP SUPPLY 1, C1		1	7J4	*
HYD EDP SUPPLY 2, C2		1	7J5	*
HYD EDP SUPPLY 3, C3		1	7J6	*
HYD EDP SUPPLY 4, C4		1	7J7	*
HYD FLUID QTY, C1114		1	7G4	*
HYD HYDIM 1, C10162		1	7F3	*
HYD HYDIM 2, C10163		1	7G3	*
HYD HYDIM 3, C10164		1	7H3	*
HYD HYDIM 4, C10165		1	7J3	*
DISCONNECT - SYS 1 PRESSURE MODULE GROUND SERVICE	3	1	454A TRAILING EDGE FAIRING DOORS	29-11-00
DISCONNECT - SYS 2 PRESSURE MODULE GROUND SERVICE	3	1	464A TRAILING EDGE FAIRING DOORS	29-11-00
DISCONNECT - SYS 3 PRESSURE MODULE GROUND SERVICE	3	1	474A TRAILING EDGE FAIRING DOORS	29-11-00
DISCONNECT - SYS 4 PRESSURE MODULE GROUND SERVICE	3	1	484A TRAILING EDGE FAIRING DOORS	29-11-00
DISCONNECT - SYS 1 RETURN GROUND SERVICE	3	1	454A TRAILING EDGE FAIRING DOORS	29-11-00
DISCONNECT - SYS 2 RETURN GROUND SERVICE	3	1	735 WING LANDING GEAR WHEEL WELL	29-11-00

* SEE WM EQUIPMENT LIST

Main Hydraulic Supply System - Component Index
Figure 101 (Sheet 1)

600660

Figure 1 29-10 Main Hydraulic Supply Sys. Comp. Index Fig. 101 (Sheet 1)

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
DISCONNECT - SYS 3 RETURN GROUND SERVICE	3	1	745 WING LANDING GEAR WHEEL WELL	29-11-00
DISCONNECT - SYS 4 RETURN GROUND SERVICE	3	1	484A TRAILING EDGE FAIRING DOORS	29-11-00
DRIVE - SYS 1 ADP TURBINE	6	1	454A TRAILING EDGE FAIRING DOORS	29-11-08
DRIVE - SYS 4 ADP TURBINE	6	1	484A TRAILING EDGE FAIRING DOORS	29-11-08
EXCHANGER - SYS 1 HEAT	11	1	546AB MAIN TANK ACCESS DOOR	29-11-22
EXCHANGER - SYS 2 HEAT	11	1	544AB MAIN TANK ACCESS DOOR	29-11-22
EXCHANGER - SYS 3 HEAT	11	1	644AB MAIN TANK ACCESS DOOR	29-11-22
EXCHANGER - SYS 4 HEAT	11	1	646AB MAIN TANK ACCESS DOOR	29-11-22
FILTER - GROUND SERVICE RESERVOIR FILL	14	1	137A BODY LANDING GEAR WHEEL WELL	29-18-06
INDICATOR - GROUND SERVICE RESERVOIR QUANTITY FILL	14	1	755 BODY LANDING GEAR WHEEL WELL	29-18-04
MODULE - HYD CONTROL, M7316	1	1	200 FLT COMPT	29-11-40
MODULE - SYS 1 EDP CASE DRAIN	3	1	454A TRAILING EDGE FAIRING DOORS	29-11-18
MODULE - SYS 2 EDP CASE DRAIN	3	1	464A TRAILING EDGE FAIRING DOORS	29-11-18
MODULE - SYS 3 EDP CASE DRAIN	3	1	474A TRAILING EDGE FAIRING DOORS	29-11-18
MODULE - SYS 4 EDP CASE DRAIN	3	1	484A TRAILING EDGE FAIRING DOORS	29-11-18
MODULE - SYS 1 PRESSURE FILTER	3	1	454A TRAILING EDGE FAIRING DOORS	29-11-23
MODULE - SYS 2 PRESSURE FILTER	3	1	464A TRAILING EDGE FAIRING DOORS	29-11-23
MODULE - SYS 3 PRESSURE FILTER	3	1	474A TRAILING EDGE FAIRING DOORS	29-11-23
MODULE - SYS 4 PRESSURE FILTER	3	1	484A TRAILING EDGE FAIRING DOORS	29-11-23
MODULE - SYS 1 RESERVOIR PRESSURIZATION	13	1	454A TRAILING EDGE FAIRING DOORS	29-17-01
MODULE - SYS 2 RESERVOIR PRESSURIZATION	13	1	464A TRAILING EDGE FAIRING DOORS	29-17-01
MODULE - SYS 3 RESERVOIR PRESSURIZATION	13	1	474A TRAILING EDGE FAIRING DOORS	29-17-01
MODULE - SYS 4 RESERVOIR PRESSURIZATION	13	1	484A TRAILING EDGE FAIRING DOORS	29-17-01
MODULE - SYS 1 RETURN	3	1	454A TRAILING EDGE FAIRING DOORS	29-11-29
MODULE - SYS 2 RETURN	3	1	464A TRAILING EDGE FAIRING DOORS	29-11-29
MODULE - SYS 3 RETURN	3	1	474A TRAILING EDGE FAIRING DOORS	29-11-29
MODULE - SYS 4 RETURN	3	1	484A TRAILING EDGE FAIRING DOORS	29-11-29

* SEE WDM EQUIPMENT LIST

Main Hydraulic Supply System - Component Index
Figure 101 (Sheet 2)

Figure 2 29-10 Main Hydraulic Supply Sys. Comp. Index Fig. 101 (Sheet 2)

600668



COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
MODULE - SYS 1 SHUTOFF VALVE AIR FILTER AND WATER SEPARATOR	9	1	454A TRAILING EDGE FAIRING DOORS	29-11-15
MODULE - SYS 4 SHUTOFF VALVE AIR FILTER AND WATER SEPARATOR	9	1	484A TRAILING EDGE FAIRING DOORS	29-11-15
MODULE - SYS 1 SPEED CONTROL VALVE AIR FILTER AND WATER SEPARATOR	9	1	454A TRAILING EDGE FAIRING DOORS	29-11-15
MODULE - SYS 4 SPEED CONTROL VALVE AIR FILTER AND WATER SEPARATOR	9	1	484A TRAILING EDGE FAIRING DOORS	29-11-15
MODULE - SYS 1 TURBINE DRIVE OIL FILTER	7	1	454A TRAILING EDGE FAIRING DOORS	29-11-14
MODULE - SYS 4 TURBINE DRIVE OIL FILTER	7	1	484A TRAILING EDGE FAIRING DOORS	29-11-14
PUMP - SYS 2 AC MOTOR-DRIVEN (ACMP), M7894	15	1	464A TRAILING EDGE FAIRING DOORS	29-11-19
PUMP - SYS 3 AC MOTOR-DRIVEN (ACMP), M7895	15	1	474A TRAILING EDGE FAIRING DOORS	29-11-19
PUMP - SYS 1 AIR DRIVEN (ADP)	6	1	454A TRAILING EDGE FAIRING DOORS	29-11-17
PUMP - SYS 4 AIR DRIVEN (ADP)	6	1	484A TRAILING EDGE FAIRING DOORS	29-11-17
PUMP - SYS 1 ENGINE-DRIVEN (EDP)	5	1	415 LEFT THRUST REVERSER HALF	29-11-05
PUMP - SYS 2 ENGINE-DRIVEN (EDP)	5	1	425 LEFT THRUST REVERSER HALF	29-11-05
PUMP - SYS 3 ENGINE-DRIVEN (EDP)	5	1	435 LEFT THRUST REVERSER HALF	29-11-05
PUMP - SYS 4 ENGINE-DRIVEN (EDP)	5	1	445 LEFT THRUST REVERSER HALF	29-11-05
PUMP - GROUND SERVICE HAND	14	1	755 BODY LANDING GEAR WHEEL WELL	29-18-01
RELAYS - (REF 32-09-00, FIG. 101)				
GND SAFETY, R183				
GND SAFETY, R770				
GND SAFETY, R768				
GND SAFETY, R769				
RESERVOIR - SYS 1 HYDRAULIC	2	1	454A TRAILING EDGE FAIRING DOORS	29-11-01
RESERVOIR - SYS 2 HYDRAULIC	2	1	464A TRAILING EDGE FAIRING DOORS	29-11-01
RESERVOIR - SYS 3 HYDRAULIC	2	1	474A TRAILING EDGE FAIRING DOORS	29-11-01
RESERVOIR - SYS 4 HYDRAULIC	2	1	484A TRAILING EDGE FAIRING DOORS	29-11-01
SWITCH - SYS 1 DEMAND PUMP PRESSURE, S342	3	1	454A TRAILING EDGE FAIRING DOORS	29-34-01
SWITCH - SYS 2 DEMAND PUMP PRESSURE, S343	3	1	464A TRAILING EDGE FAIRING DOORS	29-34-01
SWITCH - SYS 3 DEMAND PUMP PRESSURE, S344	3	1	474A TRAILING EDGE FAIRING DOORS	29-34-01
SWITCH - SYS 4 DEMAND PUMP PRESSURE, S345	3	1	484A TRAILING EDGE FAIRING DOORS	29-34-01

* SEE WM EQUIPMENT LIST

Main Hydraulic Supply System - Component Index
Figure 101 (Sheet 3)

600677

Figure 3 29-10 Main Hydraulic Supply Sys. Comp. Index Fig. 101 (Sheet 3)



COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
SWITCH - SYS 1 ENG PUMP PRESSURE, S5	3	1	454A TRAILING EDGE FAIRING DOORS	29-34-01
SWITCH - SYS 2 ENG PUMP PRESSURE, S6	3	1	464A TRAILING EDGE FAIRING DOORS	29-34-01
SWITCH - SYS 3 ENG PUMP PRESSURE, S7	3	1	474A TRAILING EDGE FAIRING DOORS	29-34-01
SWITCH - SYS 4 ENG PUMP PRESSURE, S8	3	1	484A TRAILING EDGE FAIRING DOORS	29-34-01
SWITCHES - (REF 26-21-00, FIG. 101)				
ENG 1 FIRE, S211		1		
ENG 2 FIRE, S212		1		
ENG 3 FIRE, S213		1		
ENG 4 FIRE, S214		1		
SWITCH - SYS 1 RESERVOIR-LOW-PRESSURE-W ARNING S1576	3	1	454A TRAILING EDGE FAIRING DOORS	29-17-08
SWITCH - SYS 2 RESERVOIR-LOW-PRESSURE-W ARNING S1577	3	1	464A TRAILING EDGE FAIRING DOORS	29-17-08
SWITCH - SYS 3 RESERVOIR-LOW-PRESSURE-W ARNING S1578	3	1	474A TRAILING EDGE FAIRING DOORS	29-17-08
SWITCH - SYS 4 RESERVOIR-LOW-PRESSURE-W ARNING S1579	3	1	484A TRAILING EDGE FAIRING DOORS	29-17-08
SWITCH - SYS 1 TURBINE DRIVE SHUTOFF VALVE POSITION	9	1	454A TRAILING EDGE FAIRING DOORS	29-11-39
SWITCH - SYS 4 TURBINE DRIVE SHUTOFF VALVE POSITION	9	1	484A TRAILING EDGE FAIRING DOORS	29-11-39
TIME DELAY - SYS 2 ACMP ON, M7896		1	GEN 2 POWER CENTER, P614	*
TIME DELAY - SYS 3 ACMP ON, M7897		1	GEN 3 POWER CENTER, P515	*
UNIT - SYS 1 ACCELERATION CONTROL	10	1	454A TRAILING EDGE FAIRING DOORS	29-11-16
UNIT - SYS 4 ACCELERATION CONTROL	10	1	484A TRAILING EDGE FAIRING DOORS	29-11-16
UNIT - SYS 1 ADP PNEUMATIC DRIVE, M647	7	1	454A TRAILING EDGE FAIRING DOORS	29-11-25
UNIT - SYS 4 ADP PNEUMATIC DRIVE, M874	7	1	484A TRAILING EDGE FAIRING DOORS	29-11-25
UNIT - SYS 2 HYD PUMP ELECTRICAL LOAD CONTROL (ELCU), M3370	16	1	GEN 2 POWER CENTER, P614	29-11-20
UNIT - SYS 3 HYD PUMP ELECTRICAL LOAD CONTROL (ELCU), M3371	16	1	GEN 3 POWER CENTER, P515	29-11-20
UNIT - SYS 1 SHUTOFF AND SPEED CONTROL VALVE	6	1	454A TRAILING EDGE FAIRING DOORS	29-11-09
UNIT - SYS 4 SHUTOFF AND SPEED CONTROL VALVE	6	1	484A TRAILING EDGE FAIRING DOORS	29-11-09
VALVE - SYS 1 ADP CASE DRAIN HOSE CHECK	8	1	454A TRAILING EDGE FAIRING DOORS	29-11-06
VALVE - SYS 4 ADP CASE DRAIN HOSE CHECK	8	1	484A TRAILING EDGE FAIRING DOORS	29-11-06

* SEE WM EQUIPMENT LIST

Main Hydraulic Supply System - Component Index
Figure 101 (Sheet 4)

Figure 4 29-10 Main Hydraulic Supply Sys. Comp. Index Fig. 101 (Sheet 4)

600693



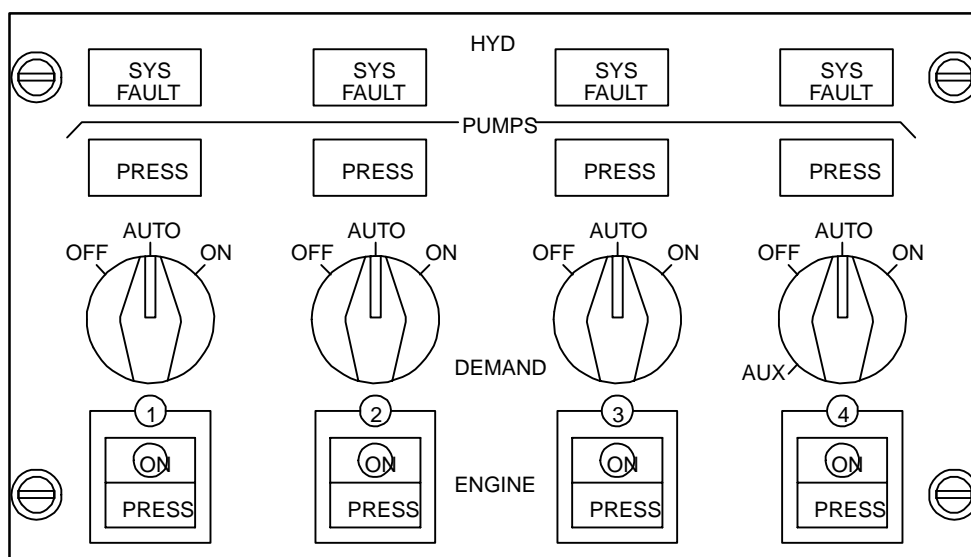
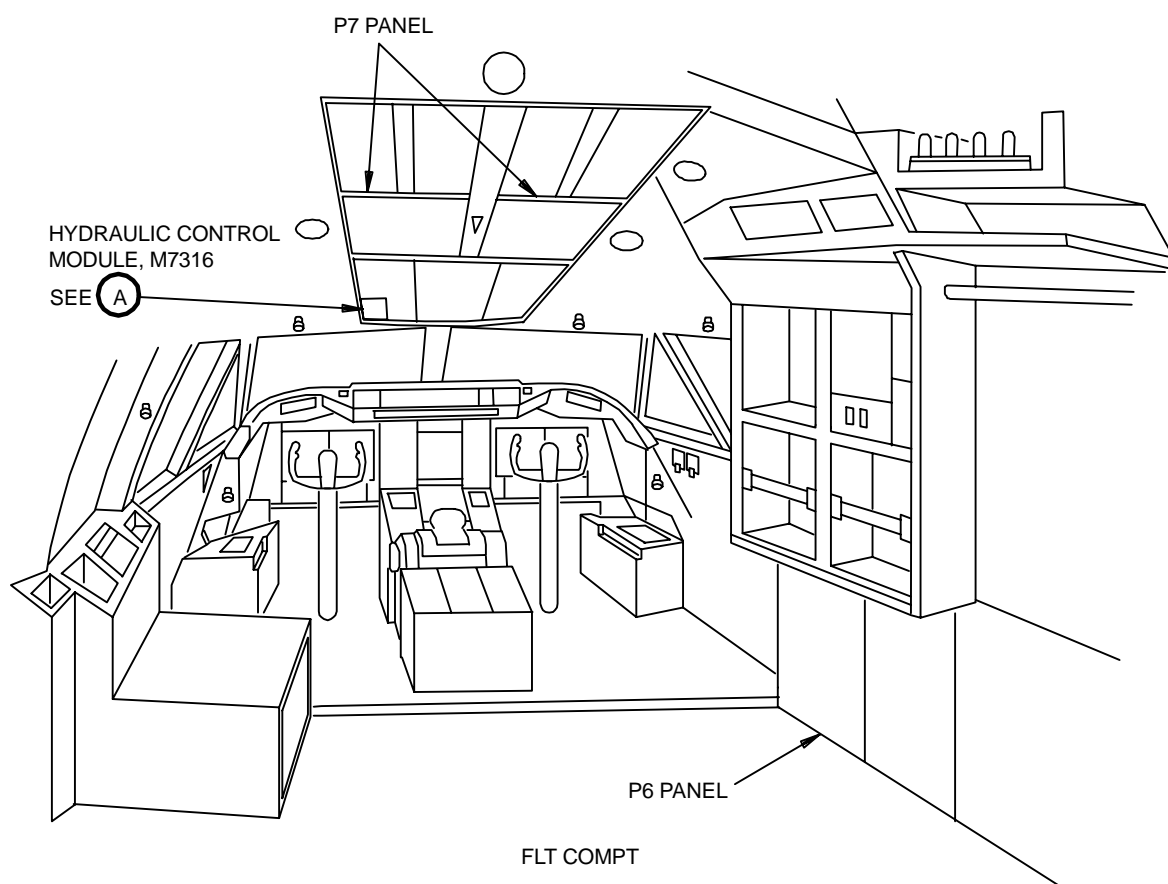
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
VALVE - SYS 1 ADP PRESSURE HOSE CHECK	8	1	454A, TRAILING EDGE FAIRING DOORS	29-11-06
VALVE - SYS 4 ADP PRESSURE HOSE CHECK	8	1	484A, TRAILING EDGE FAIRING DOORS	29-11-06
VALVE - SYS 1 EDP CASE DRAIN HOSE CHECK (HOSE-MOUNTED)	5	1	415, LEFT THRUST REVERSER HALF	29-11-06
VALVE - SYS 2 EDP CASE DRAIN HOSE CHECK (HOSE-MOUNTED)	5	1	425, LEFT THRUST REVERSER HALF	29-11-06
VALVE - SYS 3 EDP CASE DRAIN HOSE CHECK (HOSE-MOUNTED)	5	1	435, LEFT THRUST REVERSER HALF	29-11-06
VALVE - SYS 4 EDP CASE DRAIN HOSE CHECK (HOSE-MOUNTED)	5	1	445, LEFT THRUST REVERSER HALF	29-11-06
VALVE - SYS 4 EDP PRESSURE HOSE CHECK (FIREWALL-MOUNTED)	17	1	446, RIGHT THRUST REVERSER HALF	29-11-07
VALVE - SYS 1 EDP PRESSURE HOSE CHECK (HOSE-MOUNTED)	5	1	415, LEFT THRUST REVERSER HALF	29-11-06
VALVE - SYS 2 EDP PRESSURE HOSE CHECK (HOSE-MOUNTED)	5	1	425, LEFT THRUST REVERSER HALF	29-11-06
VALVE - SYS 3 EDP PRESSURE HOSE CHECK (HOSE-MOUNTED)	5	1	435, LEFT THRUST REVERSER HALF	29-11-06
VALVE - SYS 4 EDP PRESSURE HOSE CHECK (HOSE-MOUNTED)	5	1	445, LEFT THRUST REVERSER HALF	29-11-06
VALVE - GROUND SERVICE SELECTOR	14	1	755, BODY LANDING GEAR WHEEL WELL	29-18-02
VALVE - SYS 1 RESERVOIR DRAIN	2	1	454A, TRAILING EDGE FAIRING DOORS	29-11-03
VALVE - SYS 2 RESERVOIR DRAIN	2	1	464A, TRAILING EDGE FAIRING DOORS	29-11-03
VALVE - SYS 3 RESERVOIR DRAIN	2	1	474A, TRAILING EDGE FAIRING DOORS	29-11-03
VALVE - SYS 4 RESERVOIR DRAIN	2	1	484A, TRAILING EDGE FAIRING DOORS	29-11-03

Main Hydraulic Supply System - Component Index
Figure 101 (Sheet 5)

600964

Figure 5 29-10 Main Hydraulic Supply Sys. Comp. Index Fig. 101 (Sheet 5)





HYDRAULIC CONTROL MODULE M7316

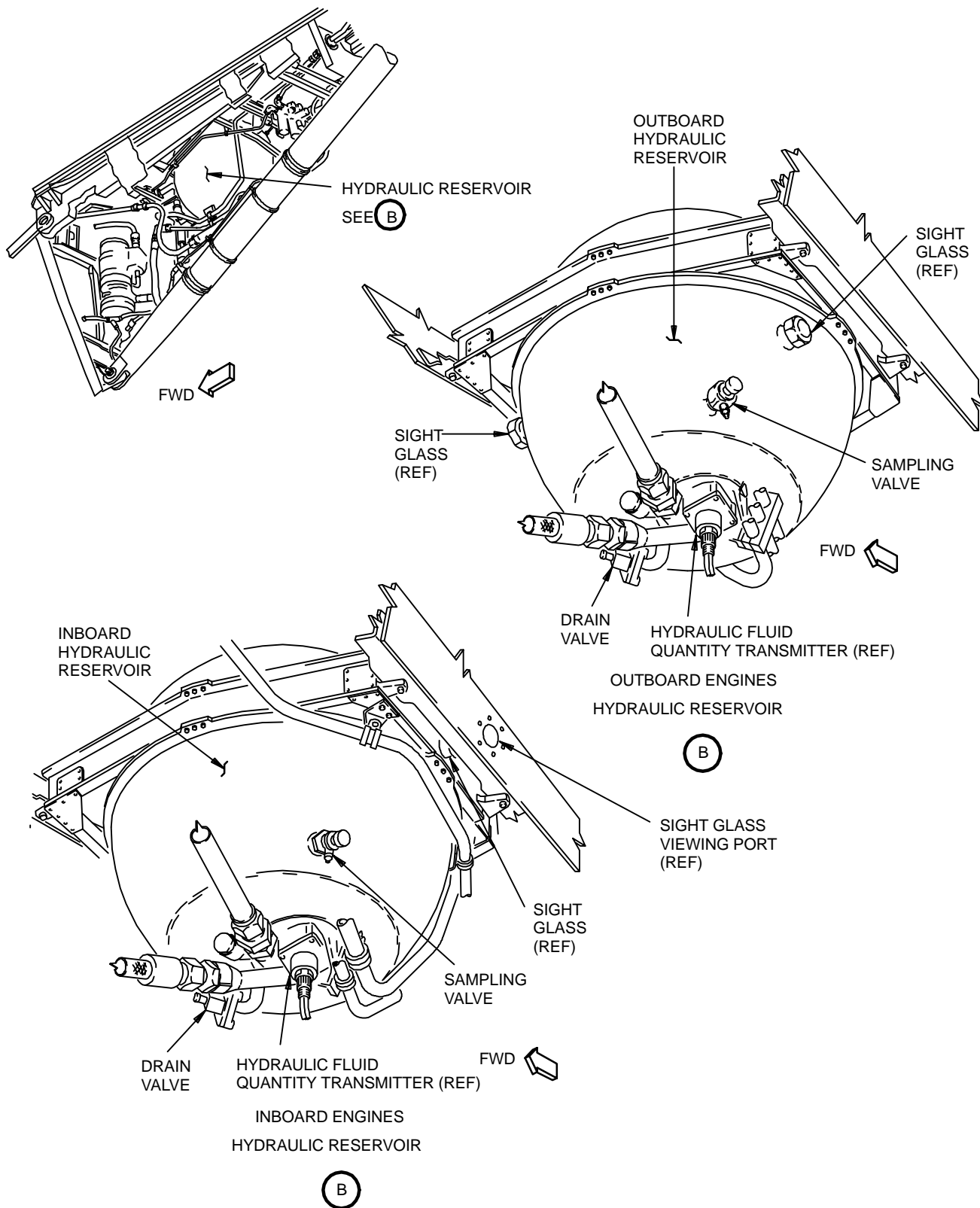
(A)

Main Hydraulic Supply System - Component Location

Figure 102 (Sheet 1)

658688

Figure 6 29-10 Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 1)
Lufthansa
Technical Training

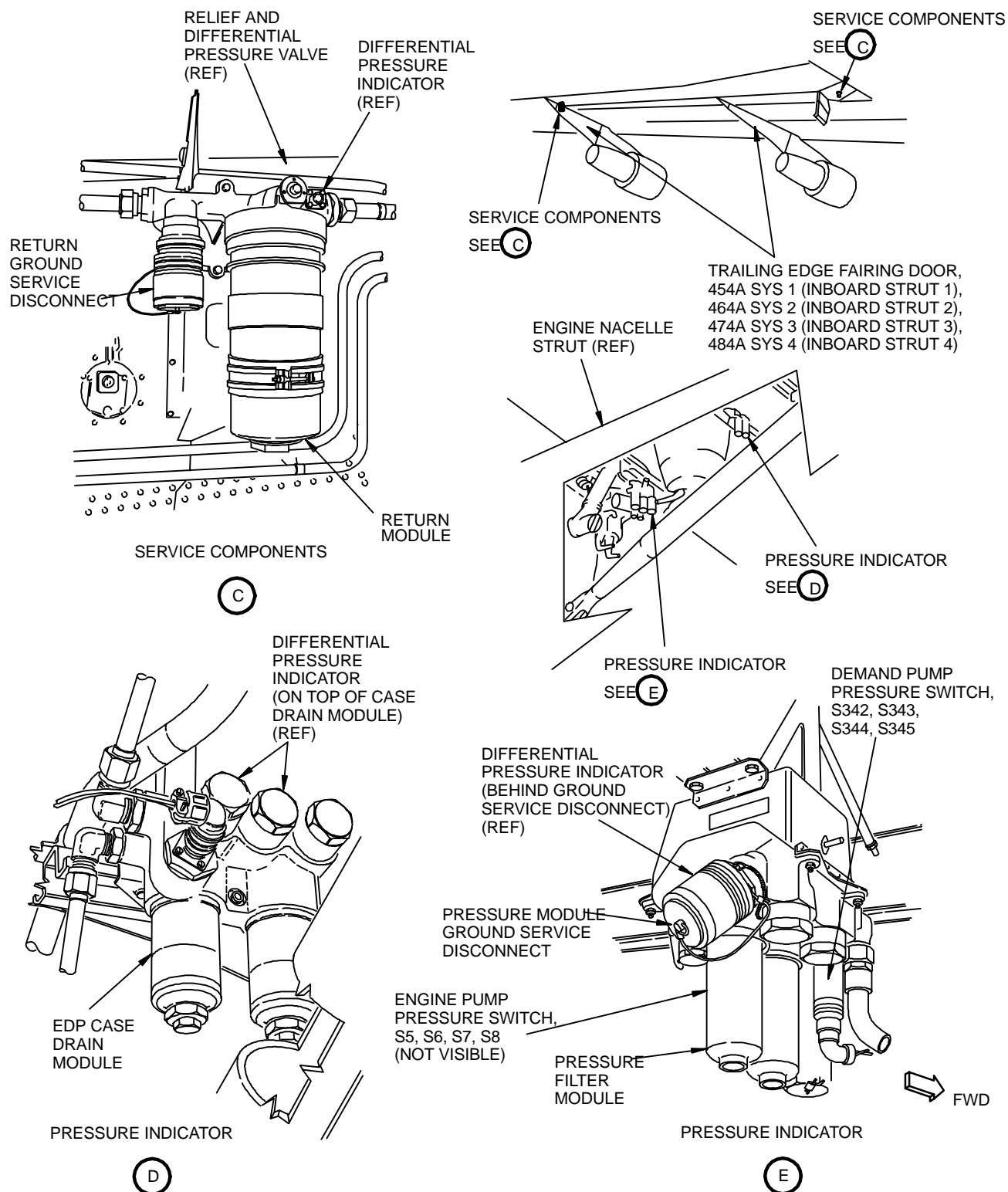


Main Hydraulic Supply System - Component Location
Figure 102 (Sheet 2)

600132

Figure 7 29-10 Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 2)



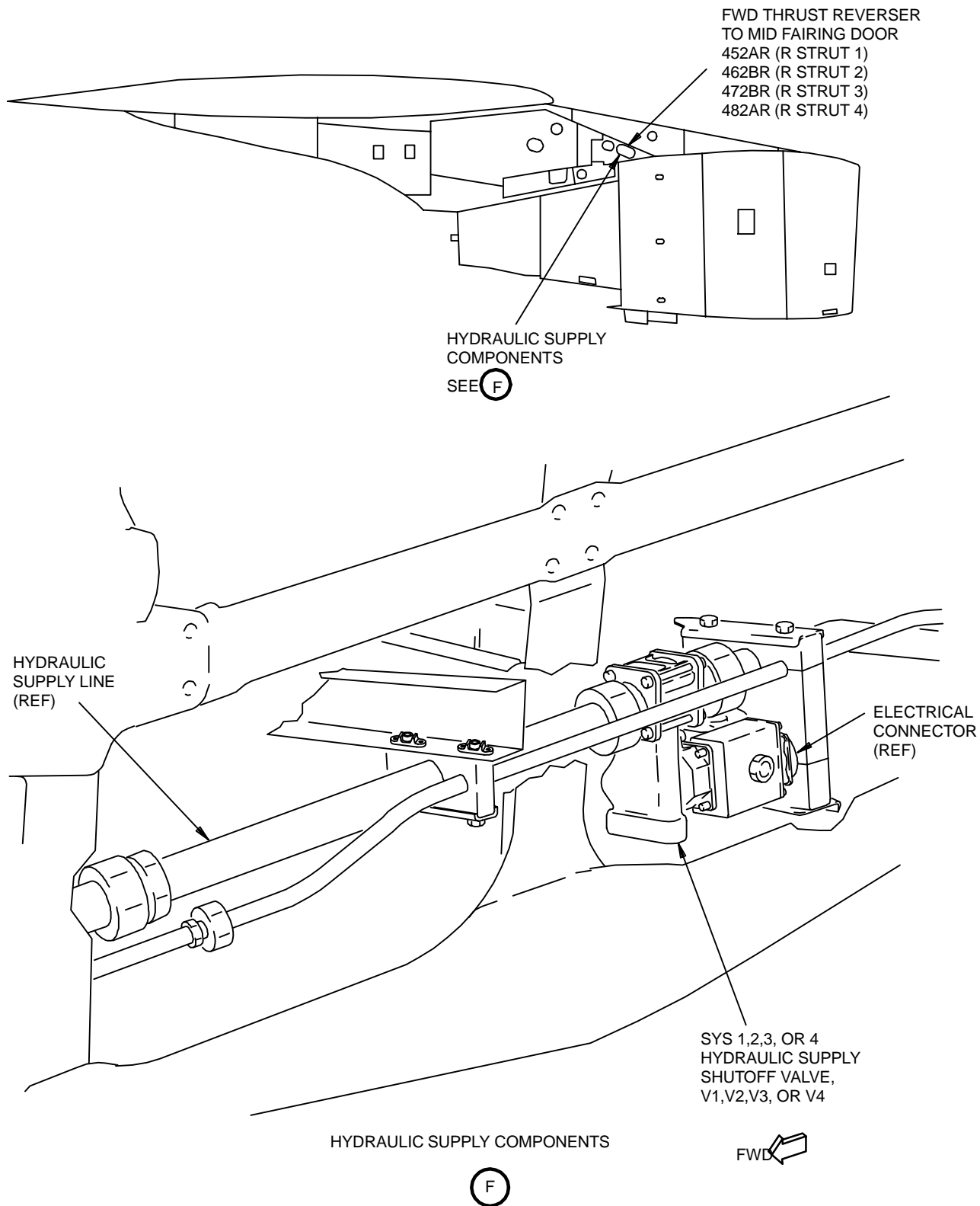


Main Hydraulic Supply System - Component Location
Figure 102 (Sheet 3)

600169

Figure 8 29-10 Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 3)



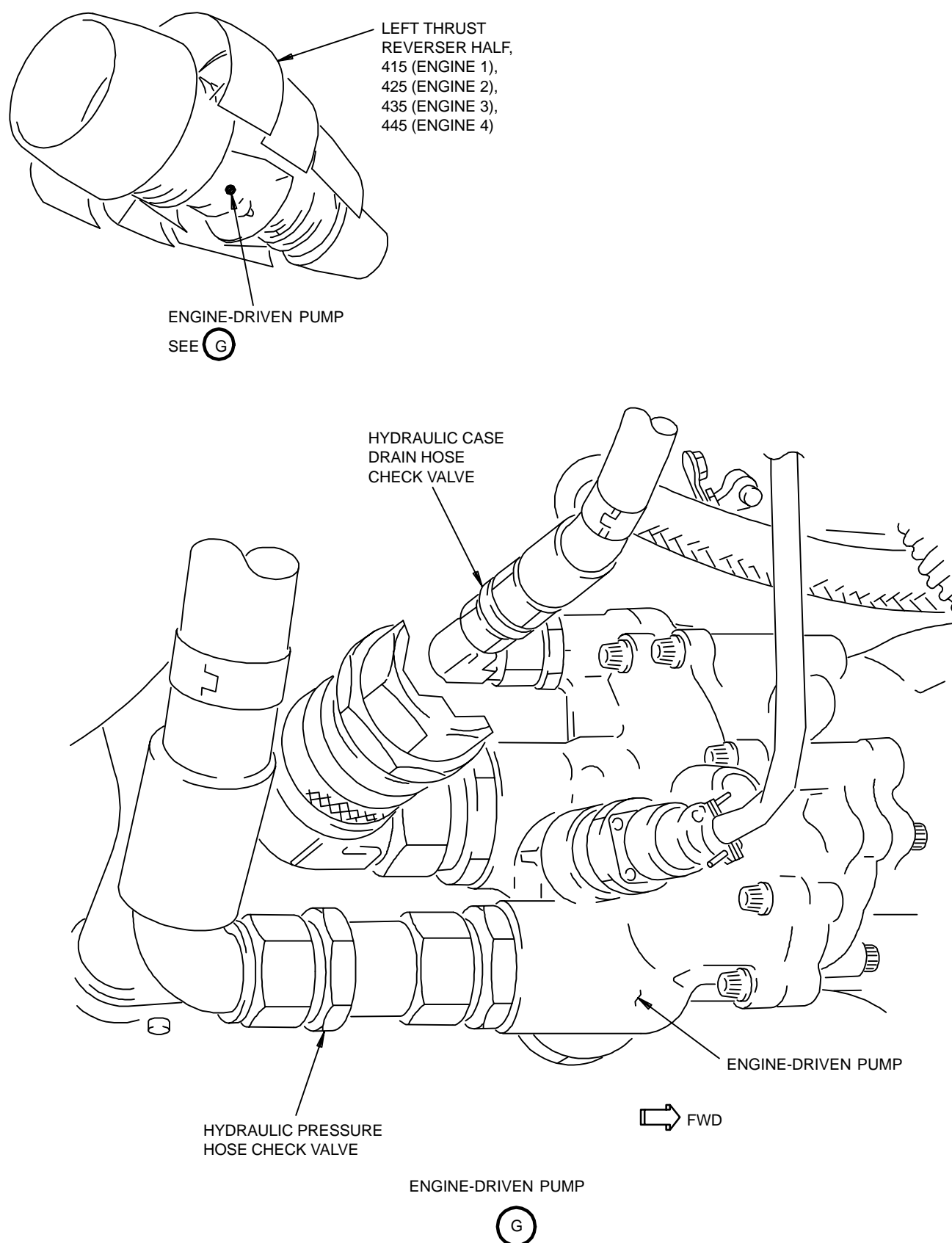


Main Hydraulic Supply System - Component Location
Figure 102 (Sheet 4)

600463

Figure 9 29-10 Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 4)



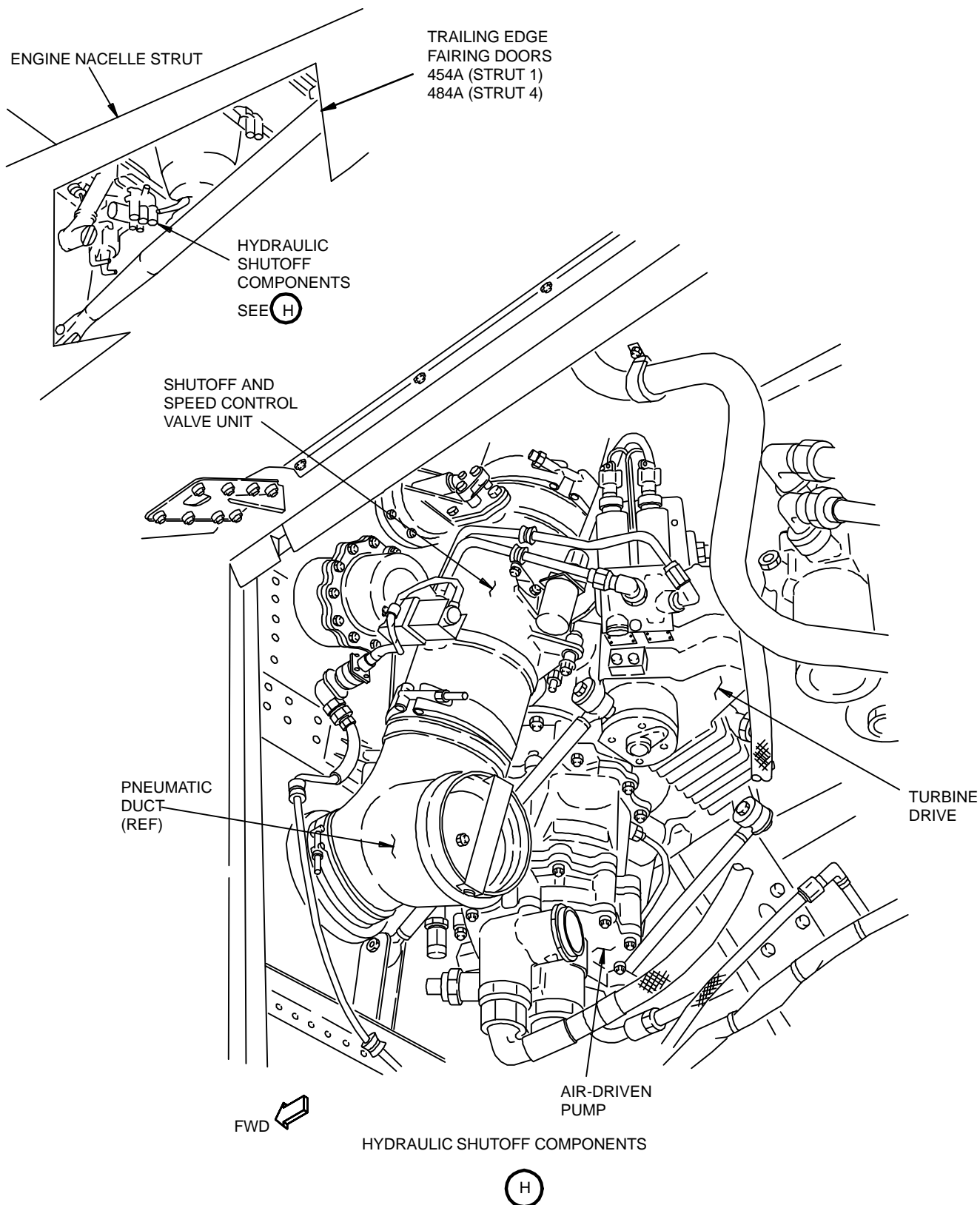


Main Hydraulic Supply System - Component Location

Figure 102 (Sheet 5)

600478

Figure 10 29-10 Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 5)

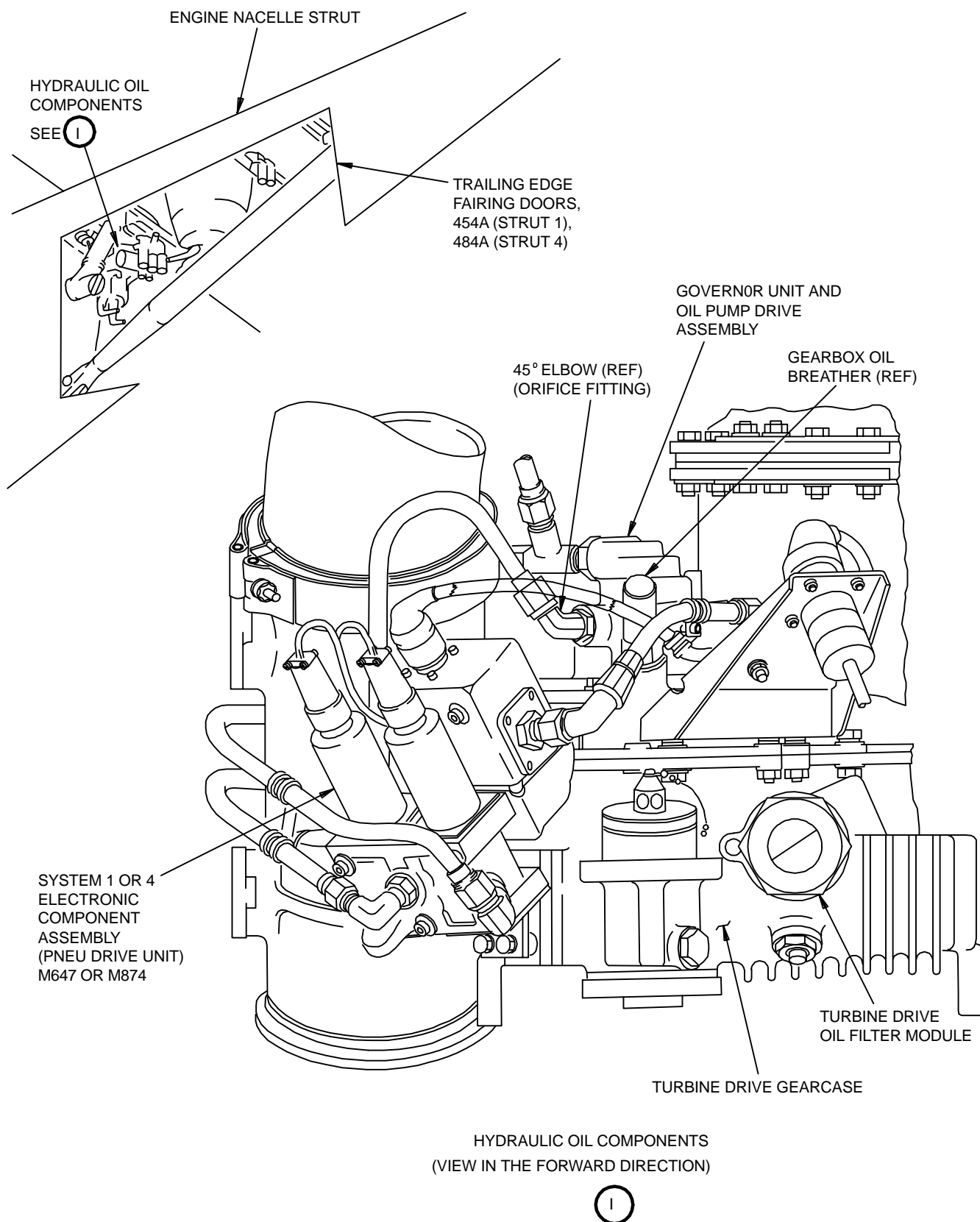


Main Hydraulic Supply System - Component Location
Figure 102 (Sheet 6)

602323

Figure 11 29-10 Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 6)



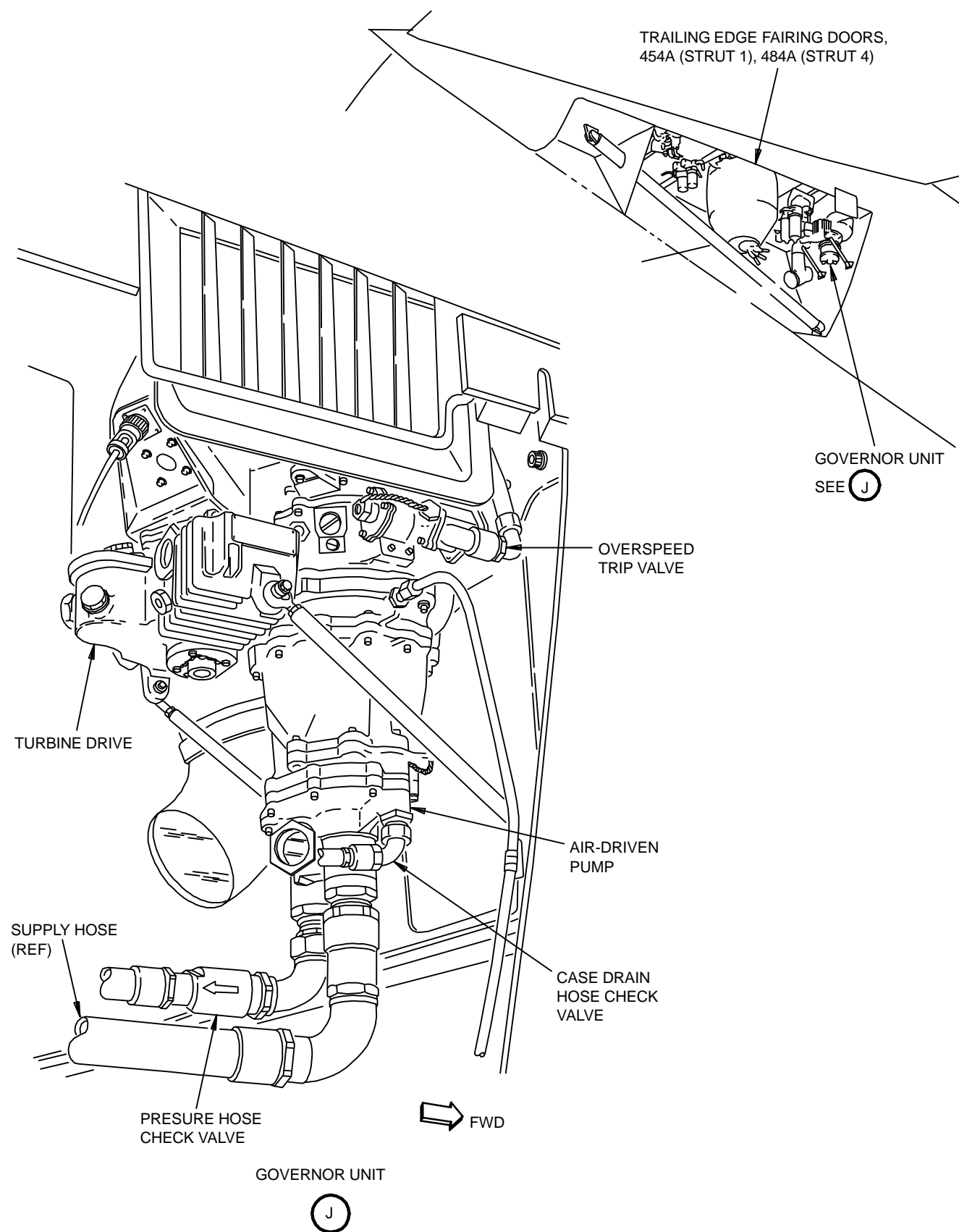


Main Hydraulic Supply System - Component Location
Figure 102 (Sheet 7)

Figure 12 29-10 Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 7)

600511





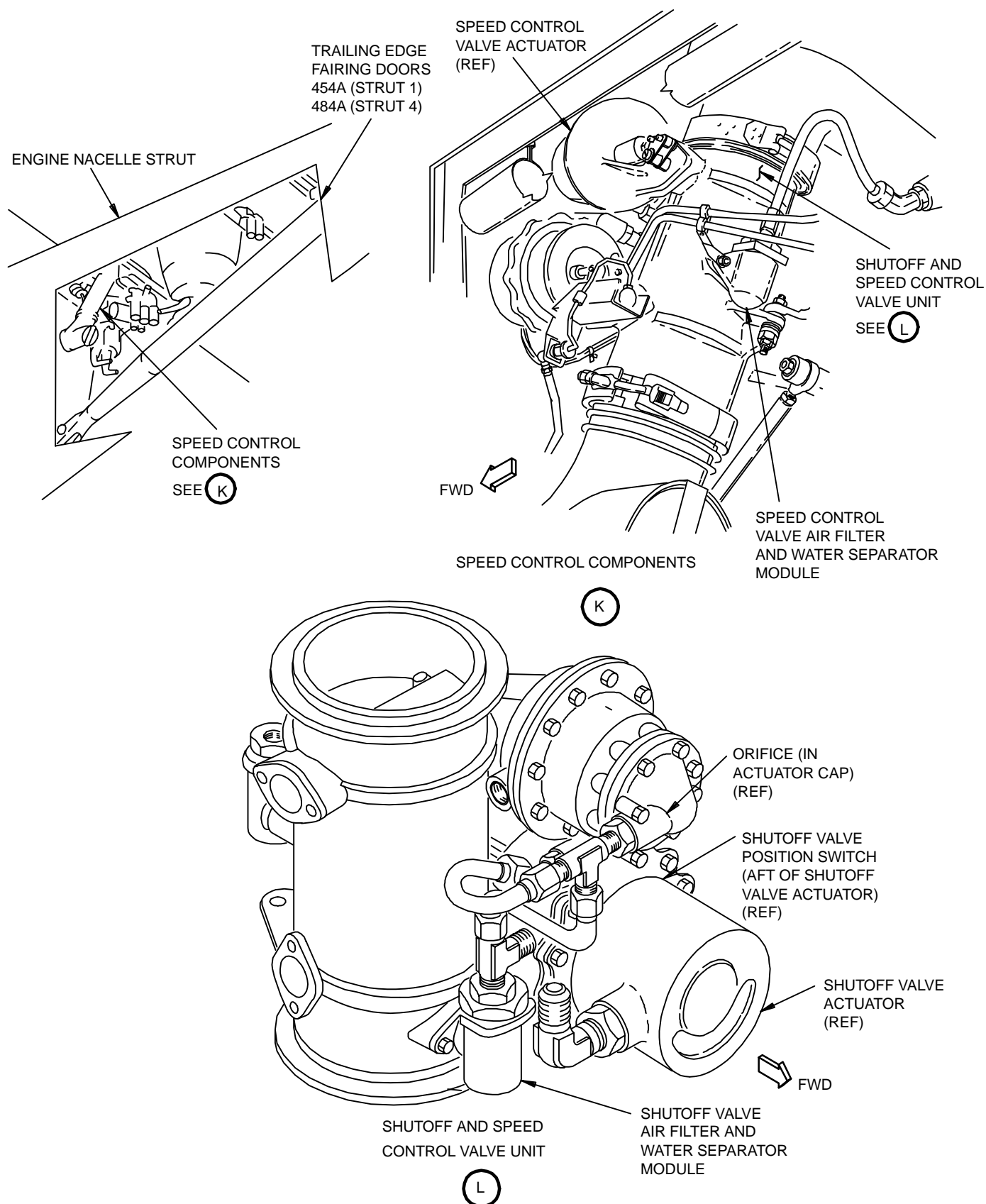
Main Hydraulic Supply System - Component Location

Figure 102 (Sheet 8)

600513

Figure 13 29-10 Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 8)



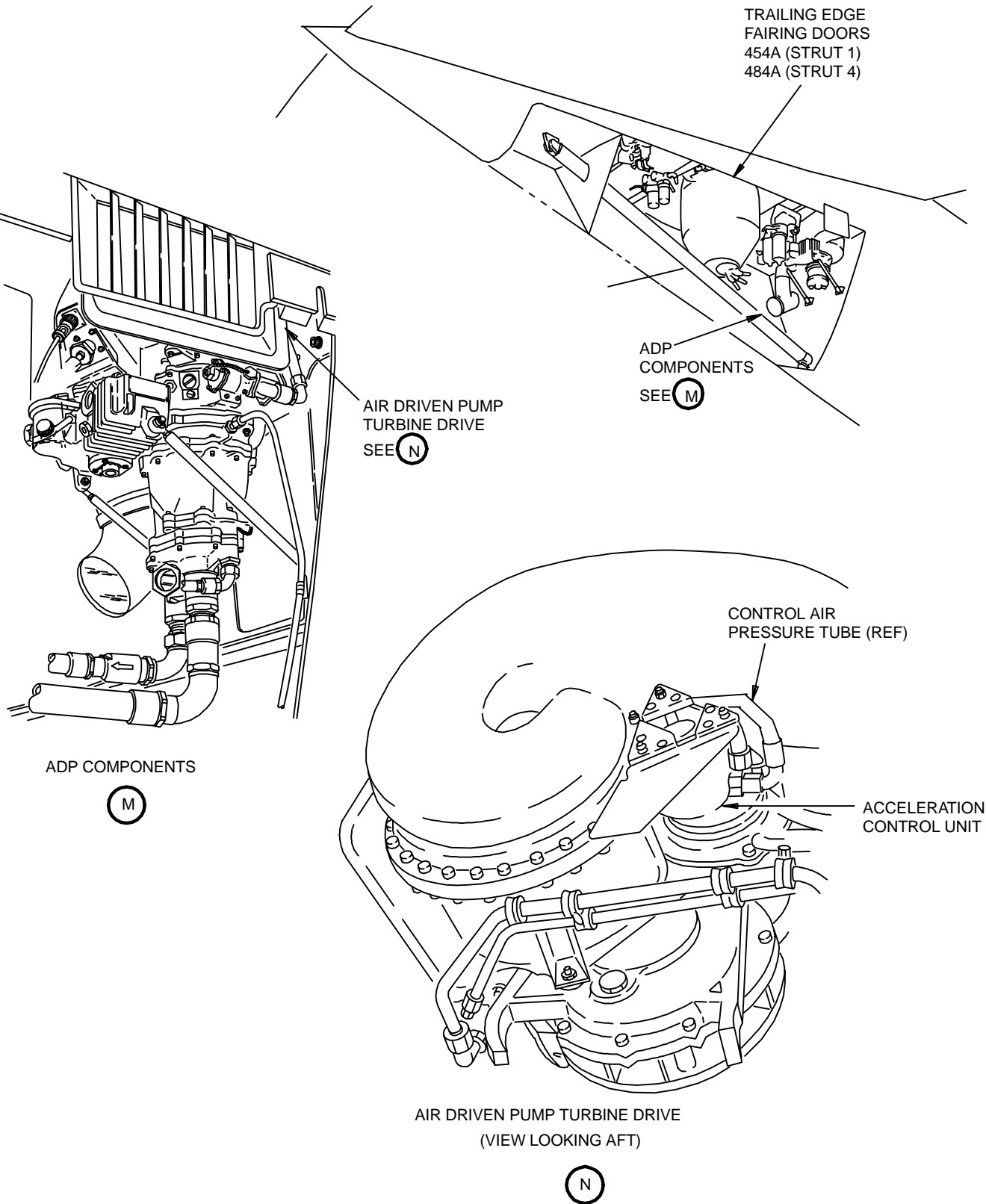


Main Hydraulic Supply System - Component location

Figure 102 (Sheet 9)

600135

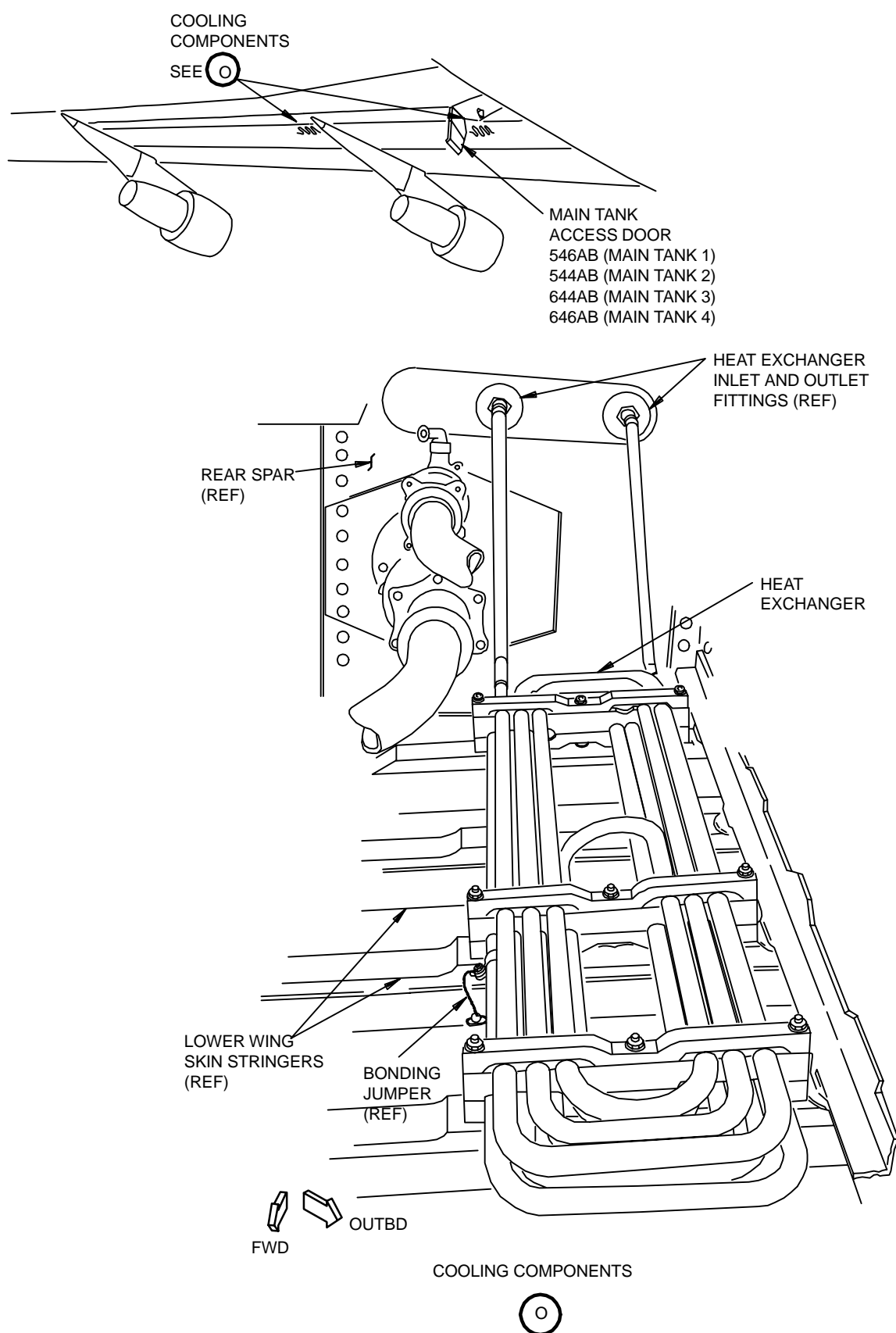
Figure 14 29-10 Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 9)



Main Hydraulic Supply System - Component Location
Figure 102 (Sheet 10)

Figure 15 29-10 Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 10)

600138

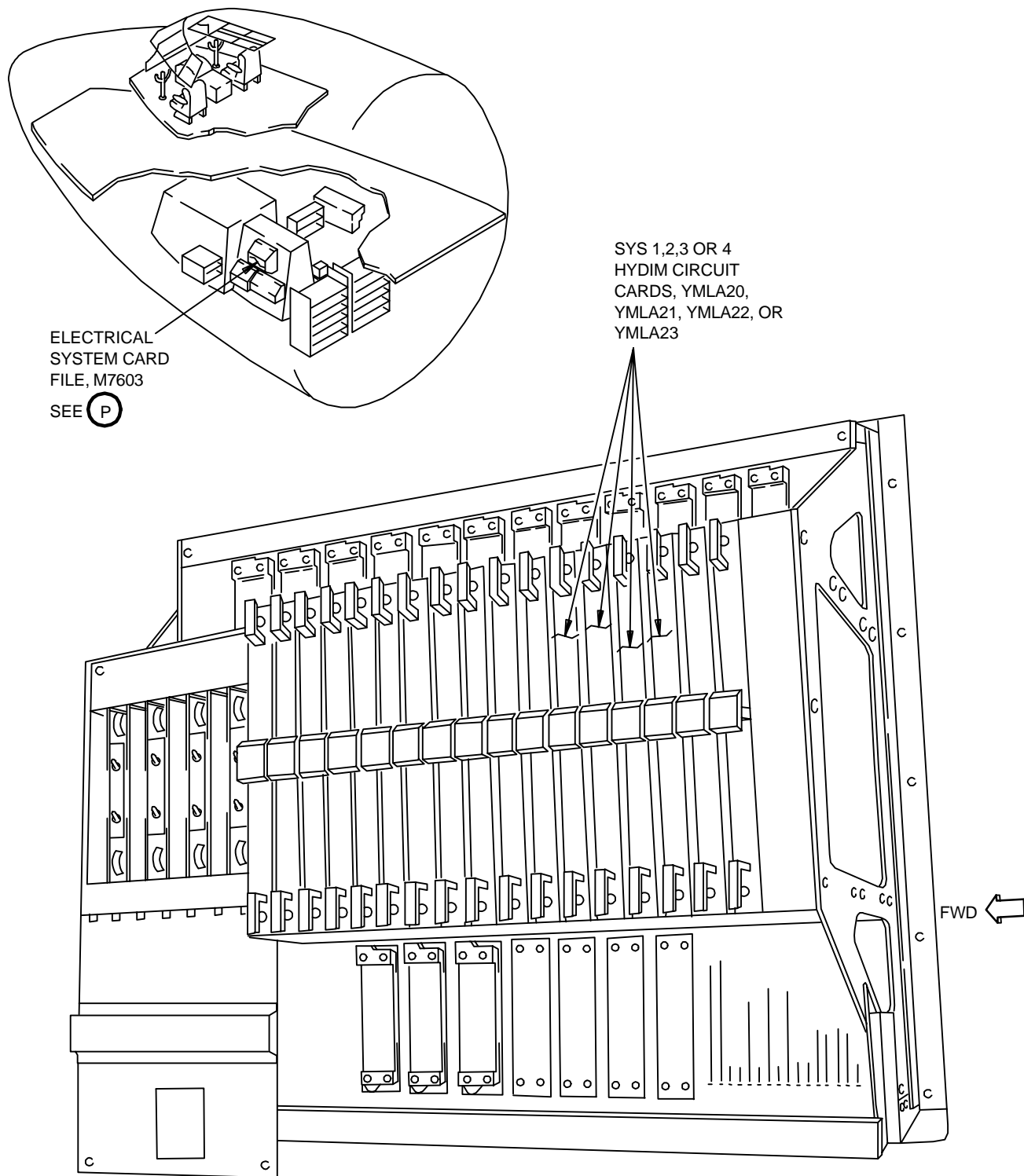


Main Hydraulic Supply System - Component Location

Figure 102 (Sheet 11)

600141

Figure 16 29-10 Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 11)



ELECTRICAL SYSTEMS CARD FILE, M7603

(P)

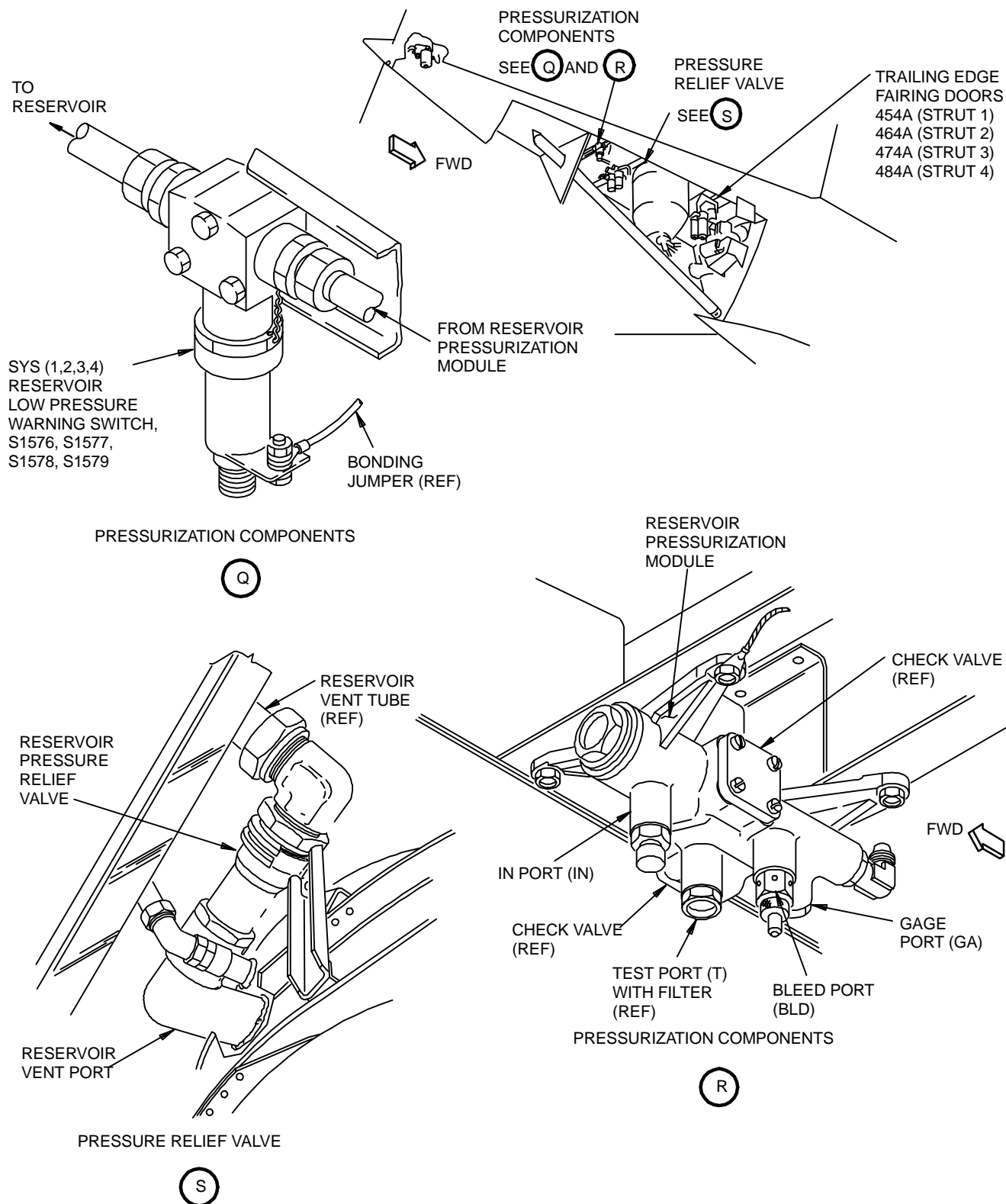
Main Hydraulic Supply System - Component Location

Figure 102 (Sheet 12)

600145

Figure 17 29-10 Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 12)



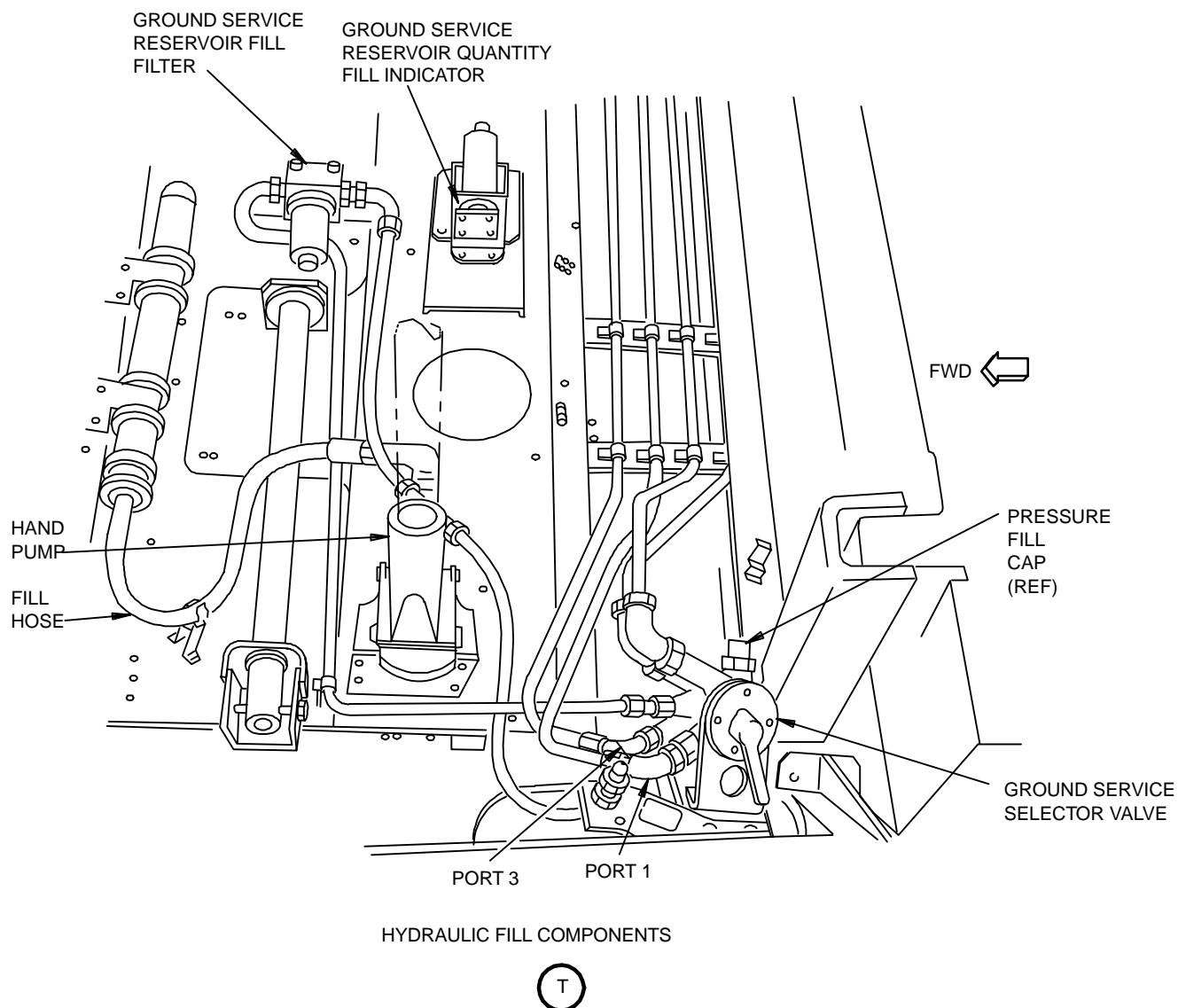
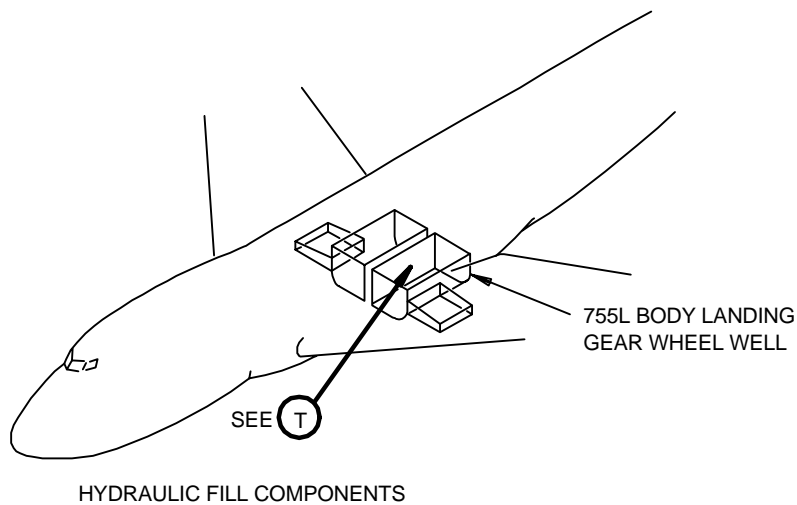


Main Hydraulic Supply System - Component Location
Figure 102 (Sheet 13)

Figure 18 29-10 Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 13)

600453



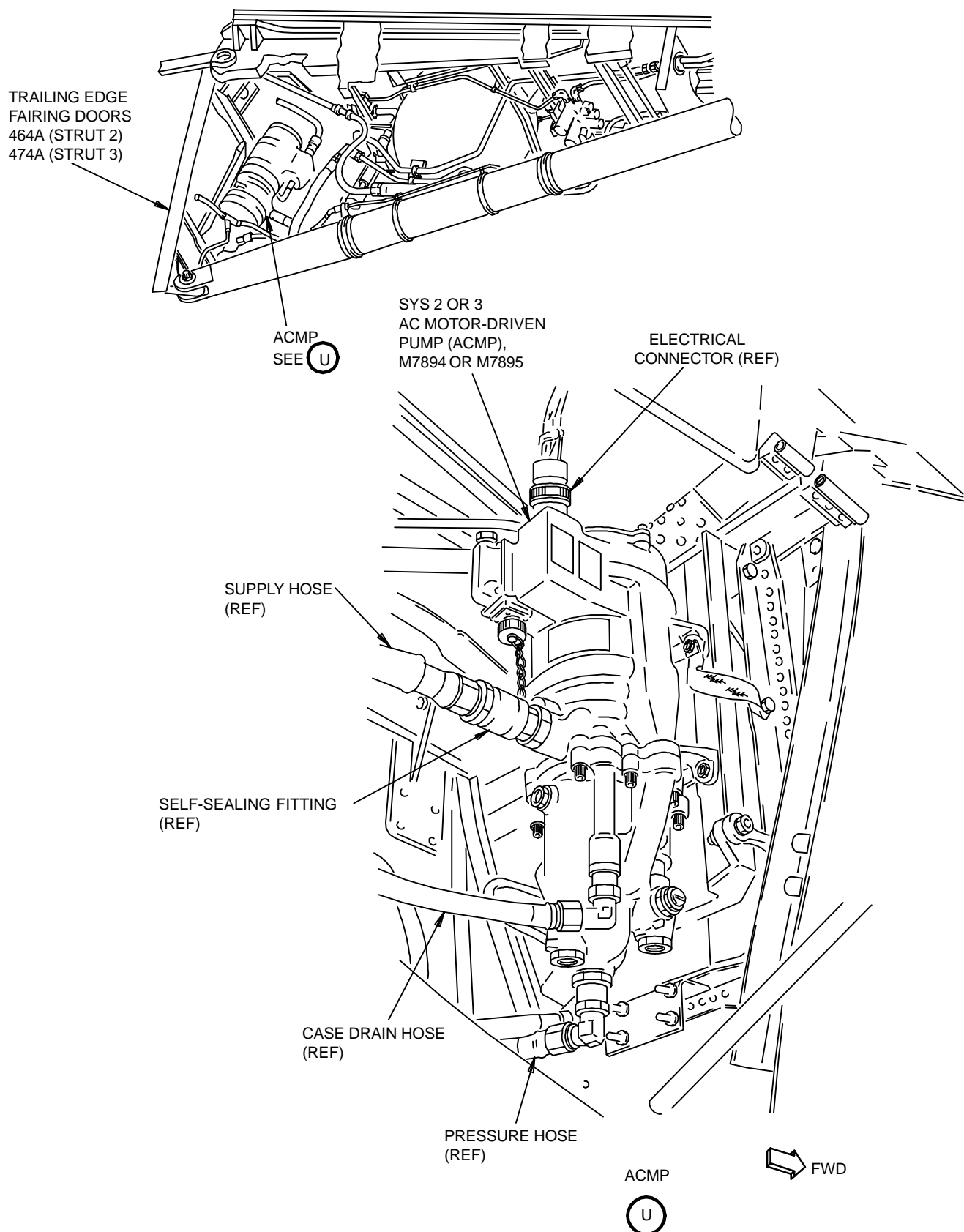


Main Hydraulic Supply System - Component Location
Figure 102 (Sheet 14)

600454

Figure 19 29-10 Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 14)



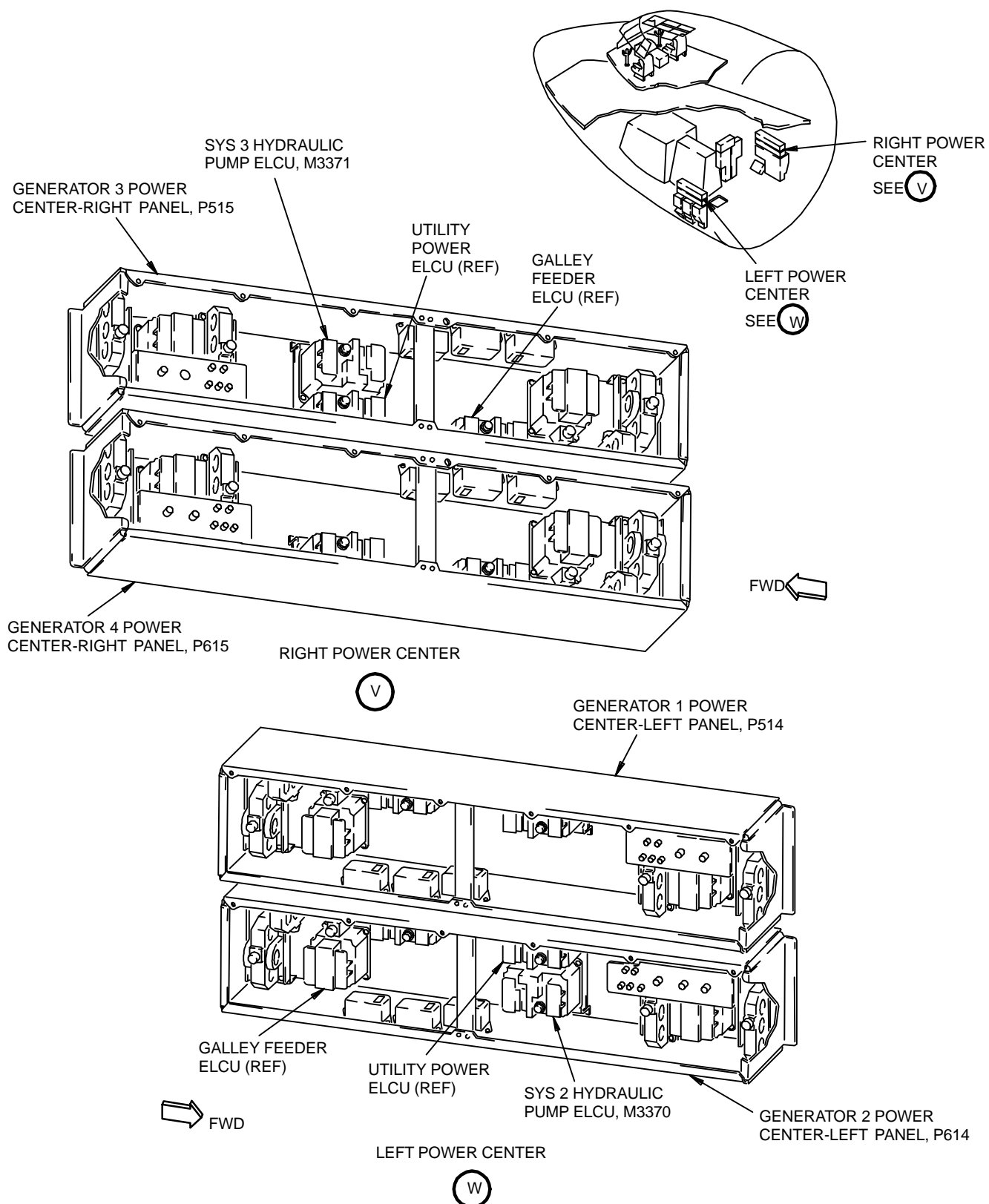


Main Hydraulic Supply System - Component Location

Figure 102 (Sheet 15)

600185

Figure 20 29-10 Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 15)

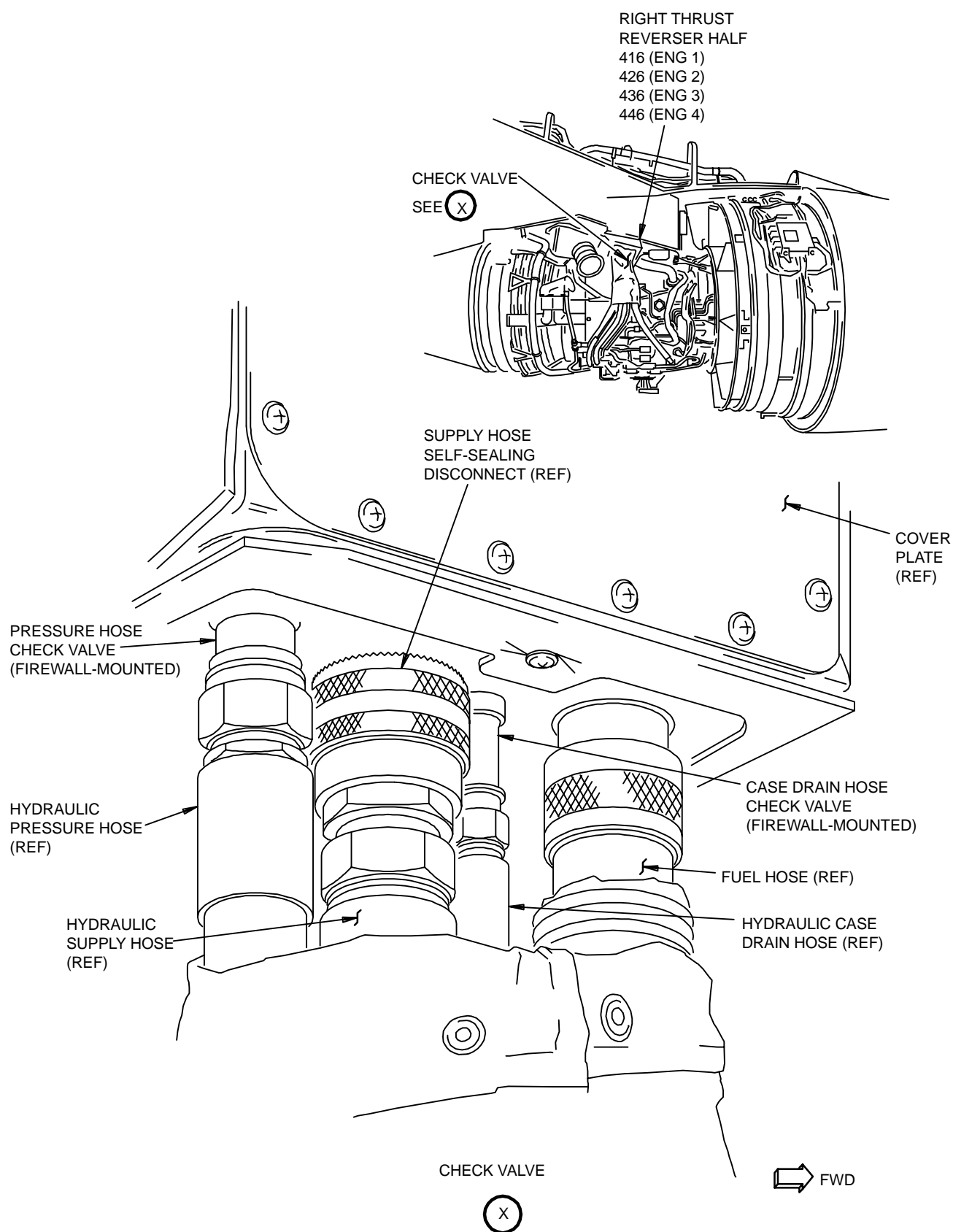


Main Hydraulic Supply System - Component Location
Figure 102 (Sheet 16)

Figure 21 29-10 Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 16)

600466





Main Hydraulic Supply System - Component Location

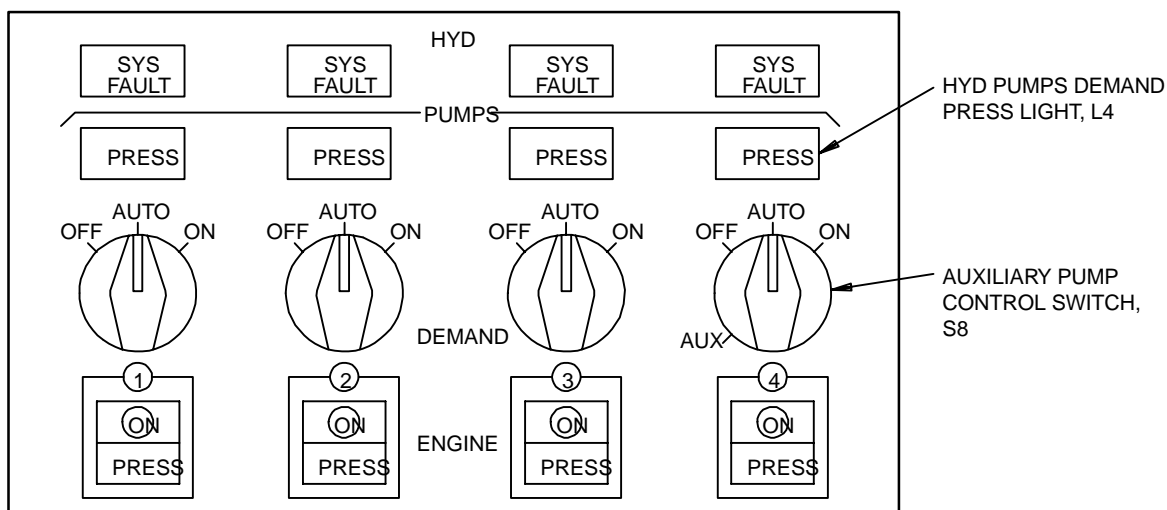
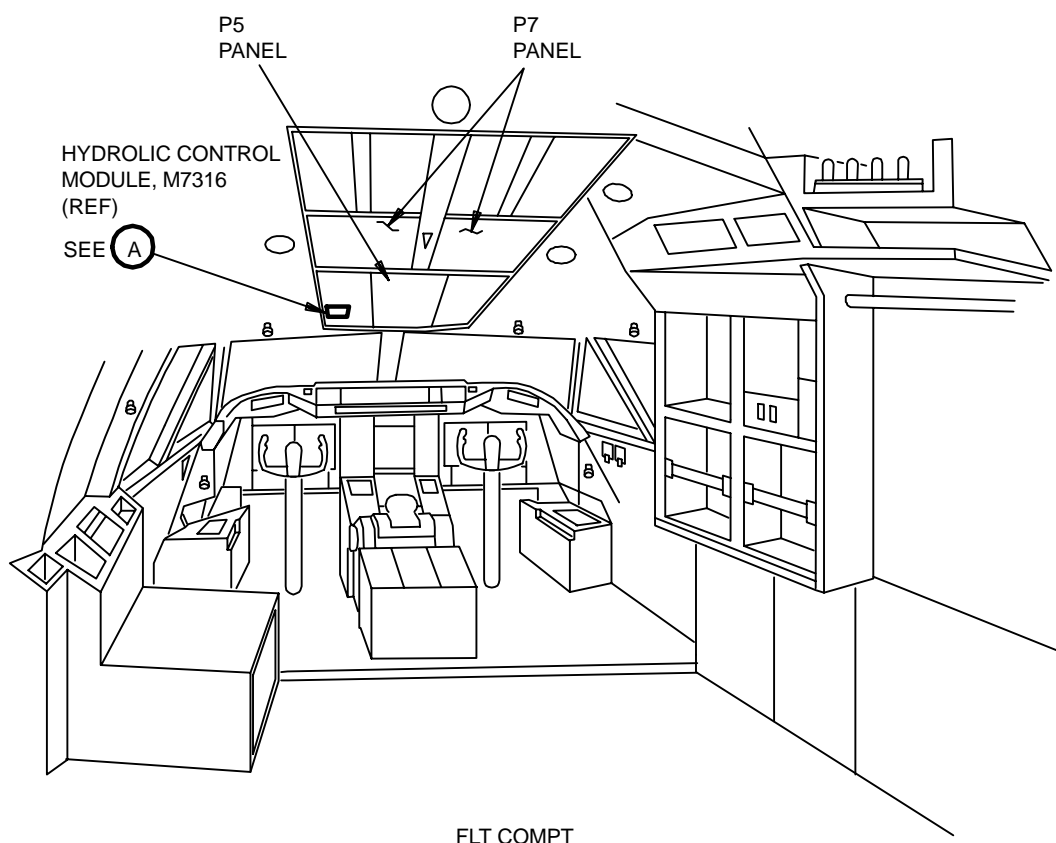
Figure 102 (Sheet 17)

600456

Figure 22 29-10 Main Hydraulic Supply Sys. Comp. Location Fig. 102 (Sheet 17)

29-20 AUXILIARY AC HYDRAULIC SYSTEM

COMPONENT INDEX AND LOCATION



HYDRAULIC CONTROL MODULE, M7316 (REF)

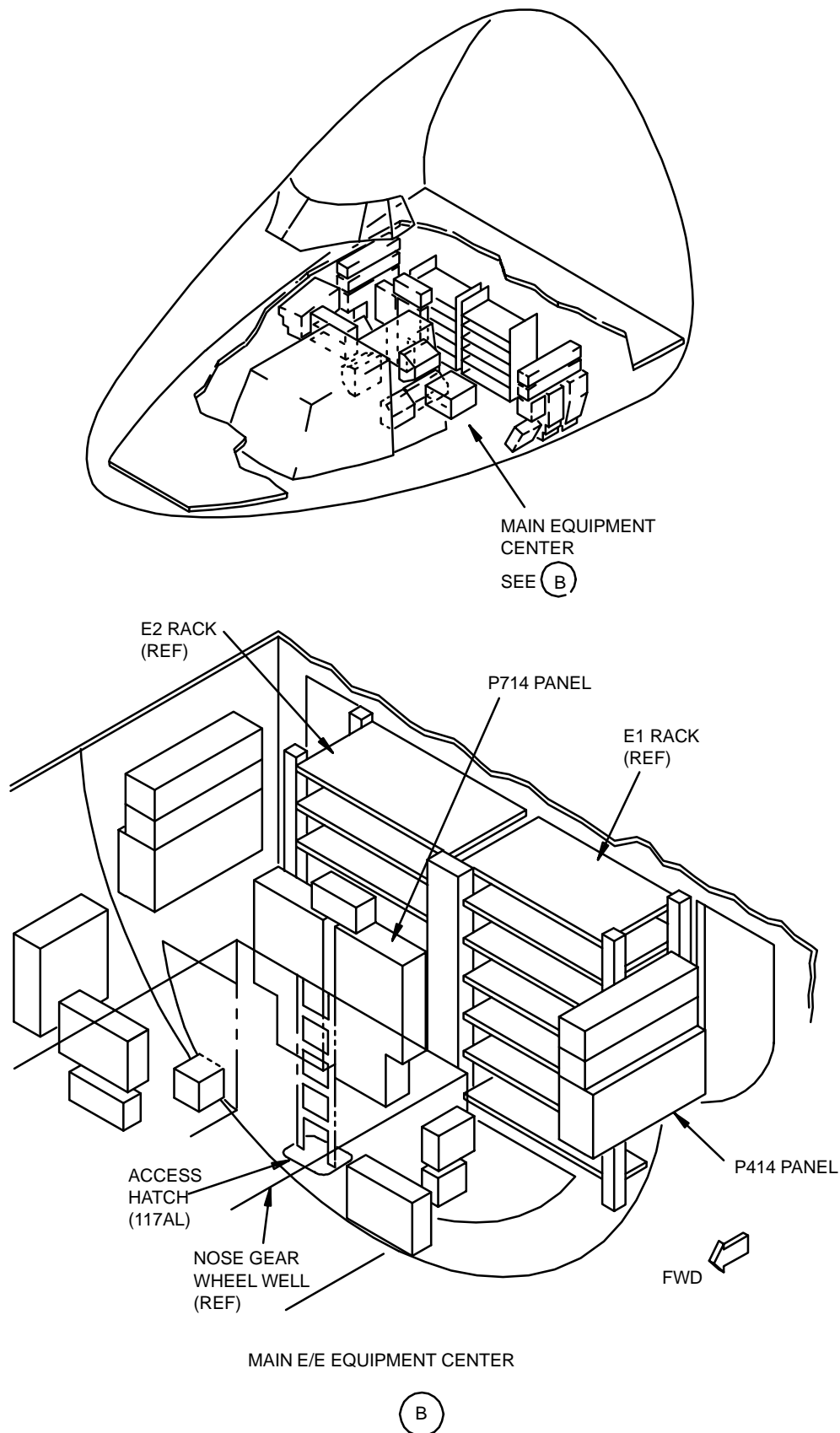
(A)

Auxiliary AC Hydraulic System - Component Location

Figure 102 (Sheet 1)

599937

Figure 23 29-20 Auxiliary AC Hydraulic Sys. Comp. Location Fig. 102 (Sheet 1)

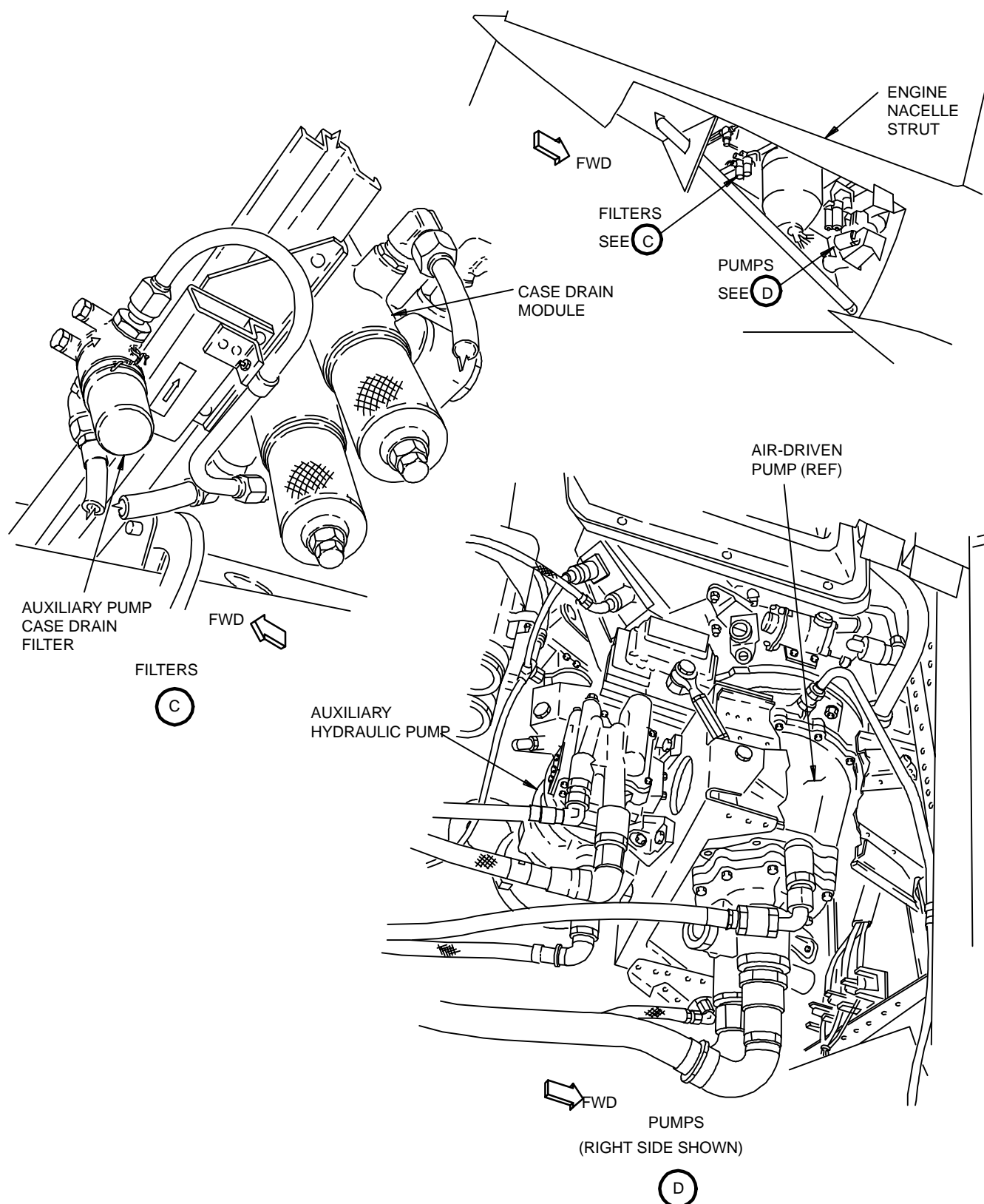


Auxiliary AC Hydraulic Systems - Component Location
Figure 102 (Sheet 2)

600118

Figure 24 29-20 Auxiliary AC Hydraulic Sys. Comp. Location Fig. 102 (Sheet 2)





Auxiliary AC Hydraulic System - Component Location
Figure 102 (Sheet 3)

Figure 25 29-20 Auxiliary AC Hydraulic Sys. Comp. Location Fig. 102 (Sheet 3)

600127



29-30 HYDRAULIC SYSTEM INDICATION

COMPONENT INDEX AND LOCATION



HYDRAULIC SYSTEMS INDICATING (1,2,3, AND 4)

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
CARD - ELEC SYS FILE, HYDIM, M7603	2	1	117AL, E/E MAIN EQUIP CTR	29-11-42
CIRCUIT BREAKERS -	1		FLT COMPT, P7	
HYDIM 1, C10162		1	7F3	*
HYDIM 2, C10163		1	7G3	*
HYDIM 3, C10164		1	7H3	*
HYDIM 4, C10165		1	7J3	*
HYD FLUID QTY, C1114		1	7G4	*
CIRCUIT BREAKERS -	2		117AL, E/E MAIN EQUIP CTR, P180	
CMC - SW, C10176		1	180D16	*
ELEV/RUD VLV SYS 1, C648		1	180H8	*
ELEV/RUD VLV SYS 2, C652		1	180E7	*
ELEV/RUD VLV SYS 3, C654		1	180H23	*
ELEV/RUD VLV SYS 4, C657		1	180E22	*
LATERAL CONT VLV SYS 1, C647		1	180H7	*
LATERAL CONT VLV SYS 2, C651		1	180E6	*
LATERAL CONT VLV SYS 3, C653		1	180H22	*
LATERAL CONT VLV SYS 4, C656		1	180E21	*
CIRCUIT BREAKERS -	2		117AL, E/E MAIN EQUIP CTR, P414	
AUX HYD PUMP CONT 4, C225		1	414F18	*
CMC - LEFT, C10177		1	414L8	*
HYD FLUID QTY, C10157		1	414E25	*
HYD PRESS IND SYS 4, C175		1	414G3	*
CIRCUIT BREAKERS -	2		117AL, E/E MAIN EQUIP CTR, P415	
CMC - RIGHT, C10179		1	415L39	*
HYD PRESS IND SYS 1, C5		1	415K37	*
HYD PRESS IND SYS 2, C6		1	415K38	*
HYD PRESS IND SYS 3, C390		1	415K39	*
INDICATOR - REMOTE HYD FLUID QTY, N119	6	1	137A, BODY LANDING GEAR WHEEL WELL, L	29-18-02
LIGHT - DEMAND PUMP PRESSURE, L1	1	1	FLT COMPT, P5, HYD CONT MODULE, M7316	29-11-40
LIGHT - DEMAND PUMP PRESSURE, L2	1	1	FLT COMPT, P5, HYD CONT MODULE, M7316	29-11-40
LIGHT - DEMAND PUMP PRESSURE, L3	1	1	FLT COMPT, P5, HYD CONT MODULE, M7316	29-11-40
LIGHT - DEMAND PUMP PRESSURE, L4	1	1	FLT COMPT, P5, HYD CONT MODULE, M7316	29-11-40
LIGHT - MASTER CAUTION	1	1	FLT COMPT, AUTOMATIC FLIGHT CONTROL PANEL, P10	29-11-40

* SEE WDM EQUIPMENT LIST

Hydraulic Systems Indicating - Component Index
Figure 101 (Sheet 1)

Figure 26 29-30 Hydraulic Sys. Indicating Comp. Index Fig. 101 (Sheet 1)

600907



COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
LIGHT - SYS FAULT, L5	1	1	FLT COMPT, P5, HYD CONT MODULE, M7316	29-11-40
LIGHT - SYS FAULT, L6	1	1	FLT COMPT, P5, HYD CONT MODULE, M7316	29-11-40
LIGHT - SYS FAULT, L7	1	1	FLT COMPT, P5, HYD CONT MODULE, M7316	29-11-40
LIGHT - SYS FAULT, L8	1	1	FLT COMPT, P5, HYD CONT MODULE, M7316	29-11-40
MODULE - HYD CONTROL, M7316	1	1	FLT COMPT, P5	29-11-40
MODULE - HYD QTY INTERFACE, M7848	2	1	117AL, E/E MAIN EQUIP CTR, E2-1	29-33-02
RELAY - (REF 31-01-39, FIG. 101)				
POWER TRANSFER, R7415				
SWITCH - DEMAND PUMPS 1, S5	1	1	FLT COMPT, P5, HYD CONT MODULE, M7316	29-11-40
SWITCH - DEMAND PUMPS 2, S6	1	1	FLT COMPT, P5, HYD CONT MODULE, M7316	29-11-40
SWITCH - DEMAND PUMPS 3, S7	1	1	FLT COMPT, P5, HYD CONT MODULE, M7316	29-11-40
SWITCH - DEMAND PUMPS 4, S8	1	1	FLT COMPT, P5, HYD CONT MODULE, M7316	29-11-40
SWITCH - DEMAND PUMP 1 PRESS, S342	5	1	454A, TRAILING EDGE FAIRING DOOR - NACELLE STRUT 1	29-34-01
SWITCH - DEMAND PUMP 2 PRESS, S343	5	1	464A, TRAILING EDGE FAIRING DOOR - NACELLE STRUT 2	29-34-01
SWITCH - DEMAND PUMP 3 PRESS, S344	5	1	474A, TRAILING EDGE FAIRING DOOR - NACELLE STRUT 3	29-34-01
SWITCH - DEMAND PUMP 4 PRESS, S345	5	1	484A, TRAILING EDGE FAIRING DOOR - NACELLE STRUT 4	29-34-01
SWITCH - ENGINE DRIVEN PUMP 1 PRESS, S1	5	1	454A, TRAILING EDGE FAIRING DOOR - NACELLE STRUT 1	29-34-01
SWITCH - ENGINE DRIVEN PUMP 2 PRESS, S2	5	1	464A, TRAILING EDGE FAIRING DOOR - NACELLE STRUT 2	29-34-01
SWITCH - ENGINE DRIVEN PUMP 3 PRESS, S3	5	1	474A, TRAILING EDGE FAIRING DOOR - NACELLE STRUT 3	29-34-01
SWITCH - ENGINE DRIVEN PUMP 4 PRESS, S4	5	1	484A, TRAILING EDGE FAIRING DOOR - NACELLE STRUT 4	29-34-01
SWITCH - HYD SYS 1 RSVR LOW PRESS, S1576	4	1	454A, TRAILING EDGE FAIRING DOOR - NACELLE STRUT 1	29-17-08
SWITCH - HYD SYS 2 RSVR LOW PRESS, S1577	4	1	464A, TRAILING EDGE FAIRING DOOR - NACELLE STRUT 2	29-17-08
SWITCH - HYD SYS 3 RSVR LOW PRESS, S1578	4	1	474A, TRAILING EDGE FAIRING DOOR - NACELLE STRUT 3	29-17-08
SWITCH - HYD SYS 4 RSVR LOW PRESS, S1579	4	1	484A, TRAILING EDGE FAIRING DOOR - NACELLE STRUT 4	29-17-08

Hydraulic Systems Indicating - Component Index
Figure 101 (Sheet 2)

Figure 27 29-30 Hydraulic Sys. Indicating Comp. Index Fig. 101 (Sheet 2)

600911



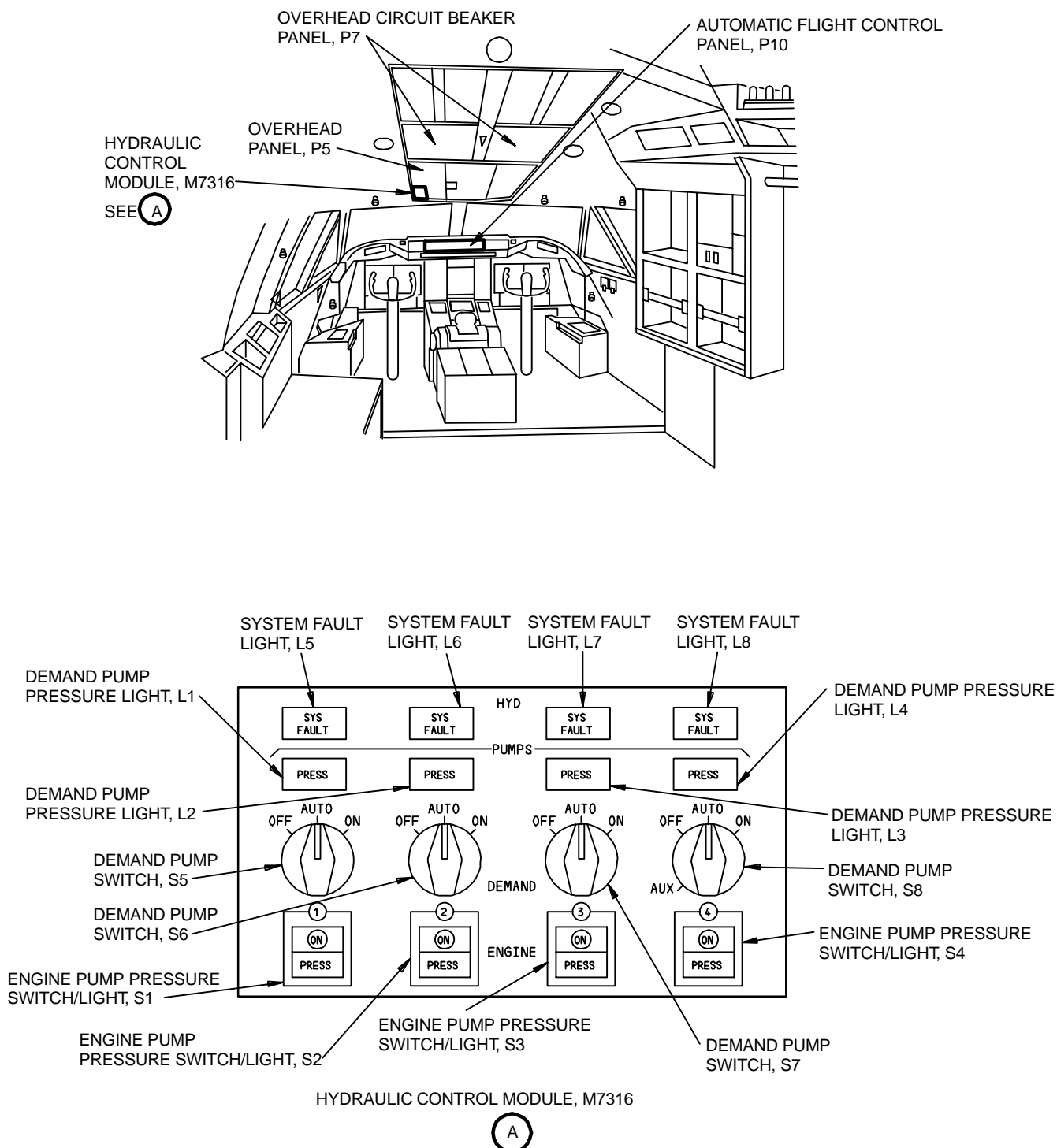
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
SWITCH/LIGHT - ENG PUMP PRESSURE, S1	1	1	FLT COMPT, P5, HYD CONT MODULE, M7316	29-11-40
SWITCH/LIGHT - ENG PUMP PRESSURE, S2	1	1	FLT COMPT, P5, HYD CONT MODULE, M7316	29-11-40
SWITCH/LIGHT - ENG PUMP PRESSURE, S3	1	1	FLT COMPT, P5, HYD CONT MODULE, M7316	29-11-40
SWITCH/LIGHT - ENG PUMP PRESSURE, S4	1	1	FLT COMPT, P5, HYD CONT MODULE, M7316	29-11-40
SWITCH - REMOTE HYD QTY IND SEL, S561	6	1	137A, BODY LANDING GEAR WHEEL WELL, LH	29-18-02
TRANSMITTER - HYD SYS 1 PRESS, T405	3	1	765, BODY LANDING GEAR WHEEL WELL, R	29-31-01
TRANSMITTER - HYD SYS 2 PRESS, T407	3	1	735, WING LANDING GEAR WHEEL WELL, L	29-31-01
TRANSMITTER - HYD SYS 3 PRESS, T406	3	1	745, WING LANDING GEAR WHEEL WELL, R	29-31-01
TRANSMITTER - HYD SYS 4 PRESS, T408	3	1	765, BODY LANDING GEAR WHEEL WELL, R	29-31-01
TRANSMITTER - HYD SYS 1 QTY, T401	4	1	454A, TRAILING EDGE FAIRING DOOR - NACELLE STRUT 1	29-33-01
TRANSMITTER - HYD SYS 2 QTY, T402	4	1	464A, TRAILING EDGE FAIRING DOOR - NACELLE STRUT 2	29-33-01
TRANSMITTER - HYD SYS 3 QTY, T403	4	1	474A, TRAILING EDGE FAIRING DOOR - NACELLE STRUT 3	29-33-01
TRANSMITTER - HYD SYS 4 QTY, T404	4	1	484A, TRAILING EDGE FAIRING DOOR - NACELLE STRUT 4	29-33-01
TRANSMITTER - OVHT HYD SYS 1, X385	5	1	454A, TRAILING EDGE FAIRING DOOR - NACELLE STRUT 1	29-32-02
TRANSMITTER - OVHT HYD SYS 2, X386	5	1	464A, TRAILING EDGE FAIRING DOOR - NACELLE STRUT 2	29-32-02
TRANSMITTER - OVHT HYD SYS 3, X387	5	1	474A, TRAILING EDGE FAIRING DOOR - NACELLE STRUT 3	29-32-02
TRANSMITTER - OVHT HYD SYS 4, X388	5	1	484A, TRAILING EDGE FAIRING DOOR - NACELLE STRUT 4	29-32-02

Hydraulic Systems Indicating - Component Index
Figure 101 (Sheet 3)

Figure 28 29-30 Hydraulic Sys. Indicating Comp. Index Fig. 101 (Sheet 3)

600916



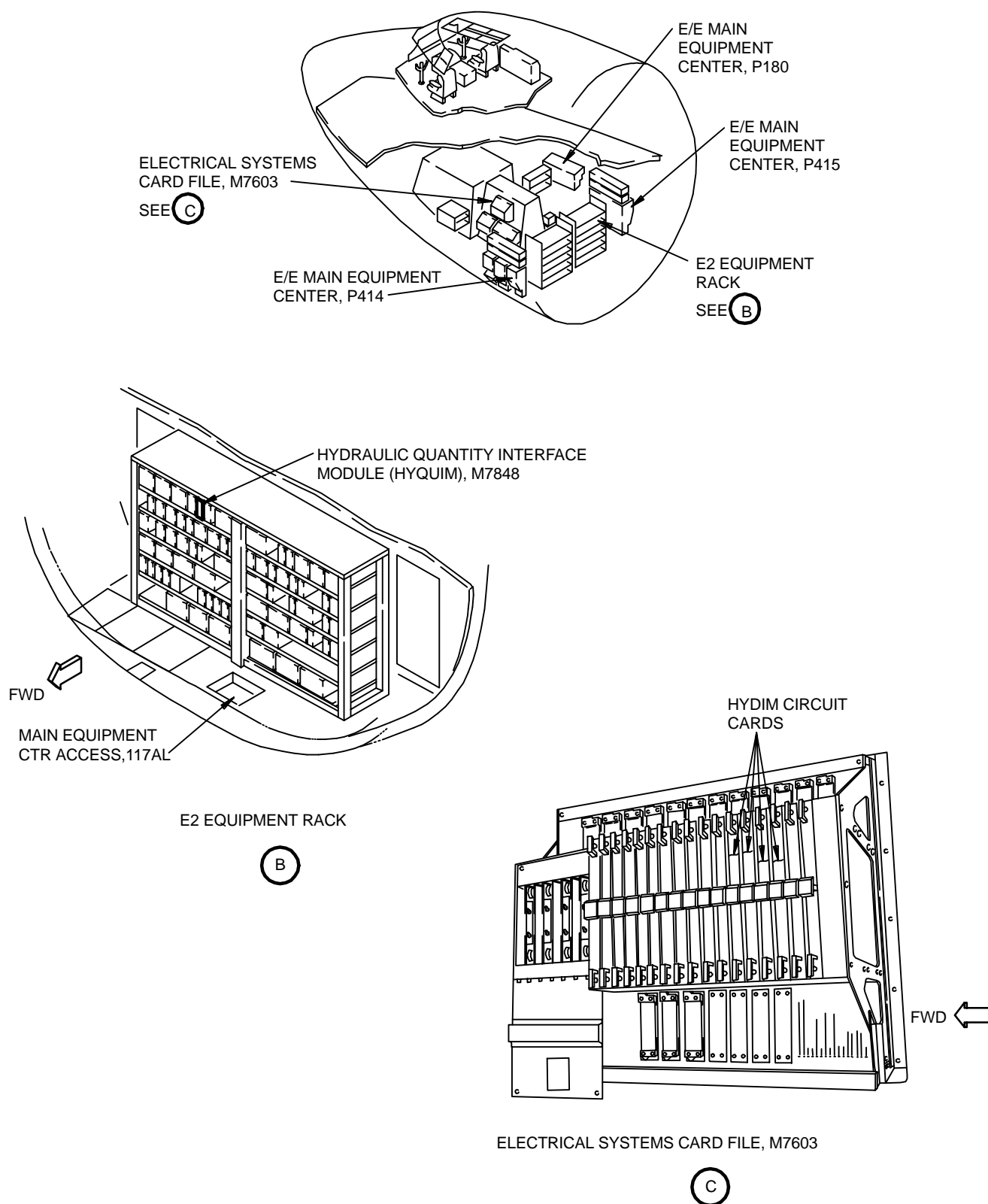


Hydraulic Systems - Component Location
Figure 102 (Sheet 1)

Figure 29 29-30 Hydraulic Sys. Comp. Location Fig. 102 (Sheet 1)

599413



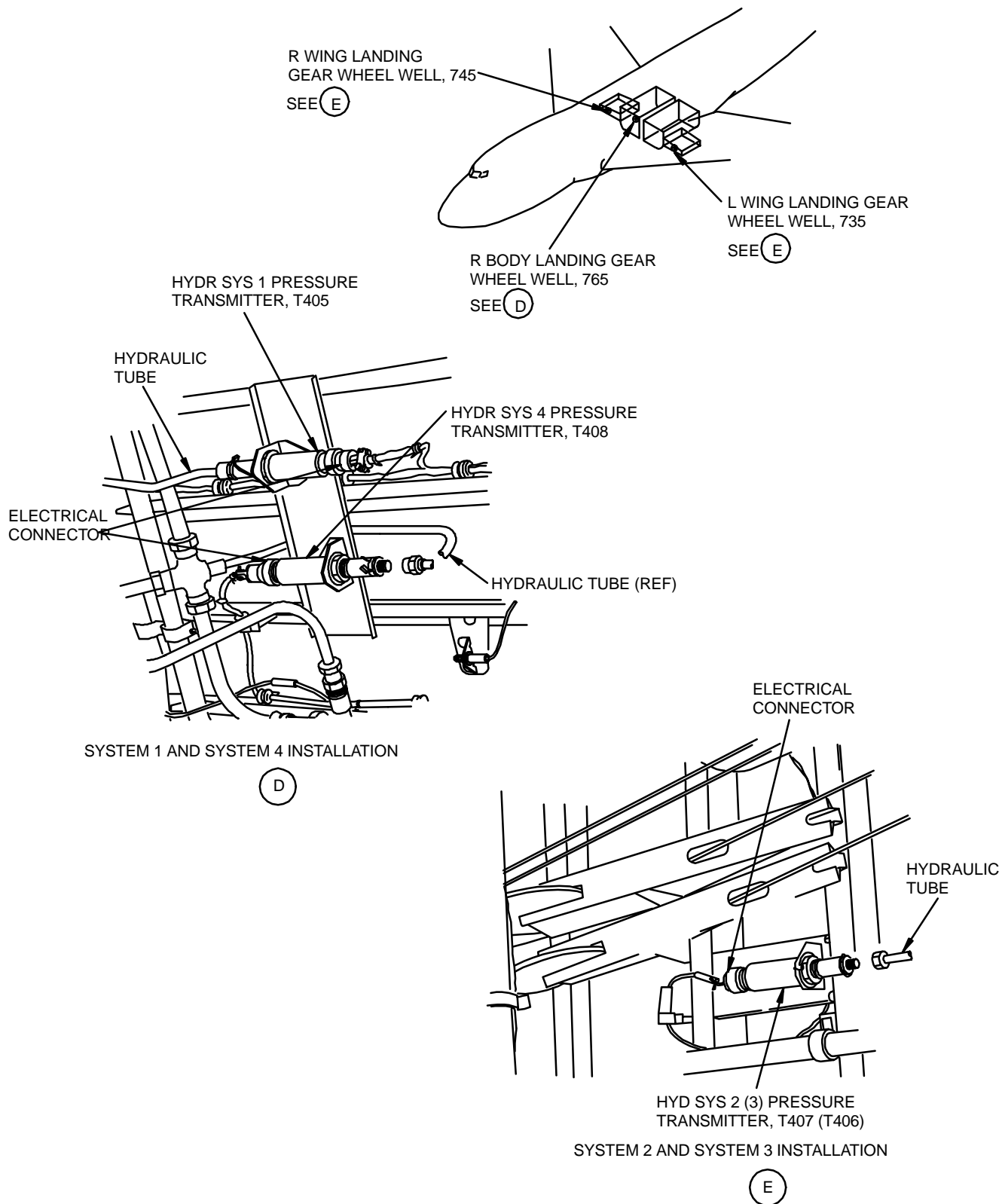


Hydraulic Systems - Component Location
Figure 102 (Sheet 2)

Figure 30 29-30 Hydraulic Sys. Comp. Location Fig. 102 (Sheet 2)

599414



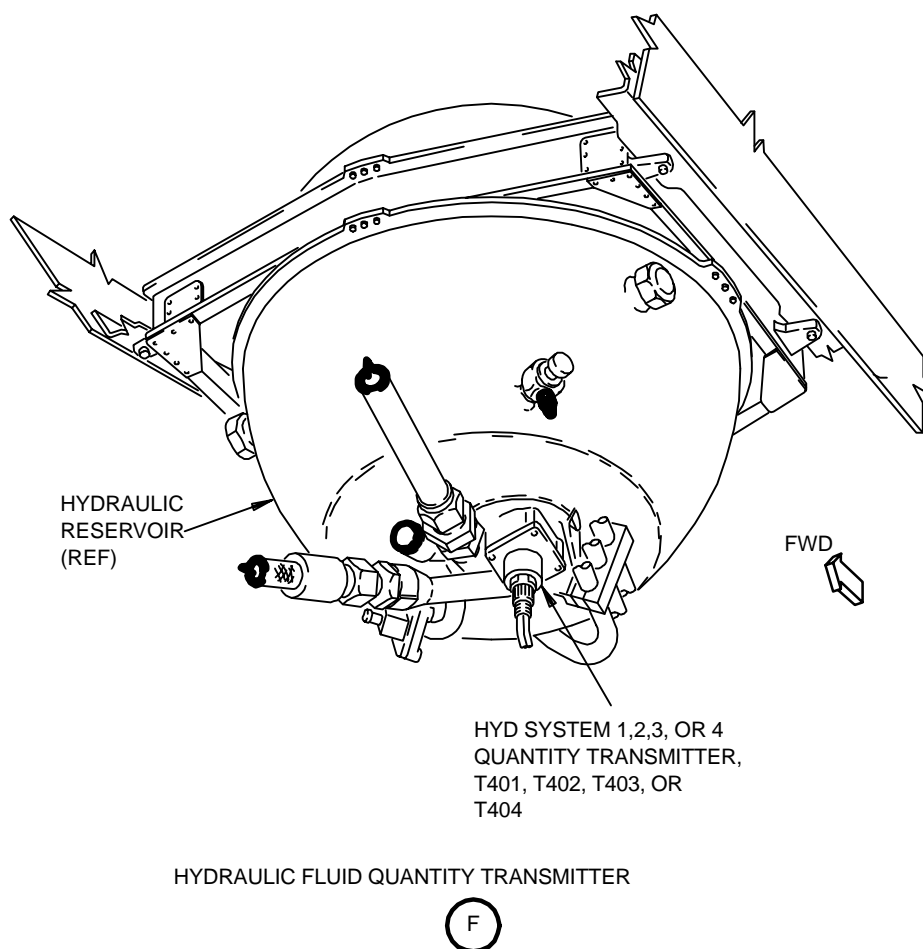
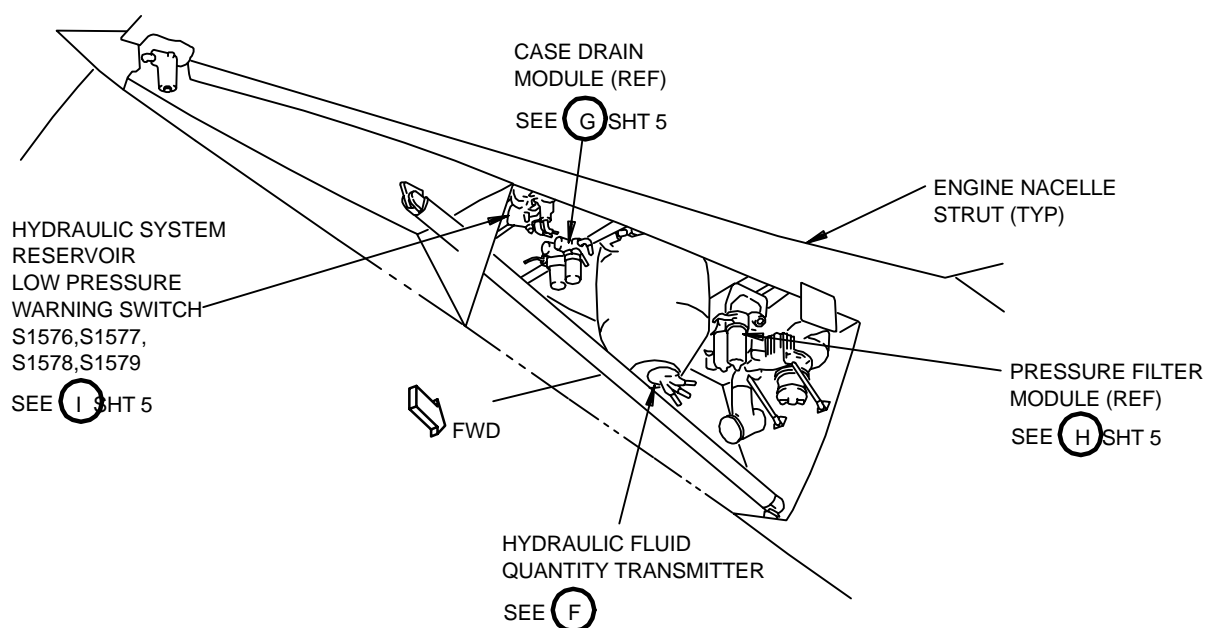


Hydraulic Systems - Component Location
Figure 102 (Sheet 3)

Figure 31 29-30 Hydraulic Sys. Comp. Location Fig. 102 (Sheet 3)

599415





Hydraulic Systems - Component Location

Figure 102 (Sheet 4)

599416

Figure 32 29-30 Hydraulic Sys. Comp. Location Fig. 102 (Sheet 4)
Lufthansa
Technical Training

DEMAND PUMP 1,2,3,
OR 4 PRESSURE SWITCH,
S342, S343, S344, OR S345

FW

ENGINE DRIVEN PUMP 1,2,3, OR 4
PRESSURE SWITCH, S5, S6, S7, OR S8

PRESSURE FILTER MODULE (REF)

(H)

OVHT HYD SYS
1,2,3, OR 4 TRANSMITTER,
X385, X386, X387, OR X388

BONDING
JUMPER (REF)

HYDRAULIC SYSTEM RESERVOIR LOW PRESSURE
WARNING SWITCH S1576,S1577,S1578,S1579

(I)

CASE DRAIN MODULE (REF)
(VIEW LOOKING FORWARD)

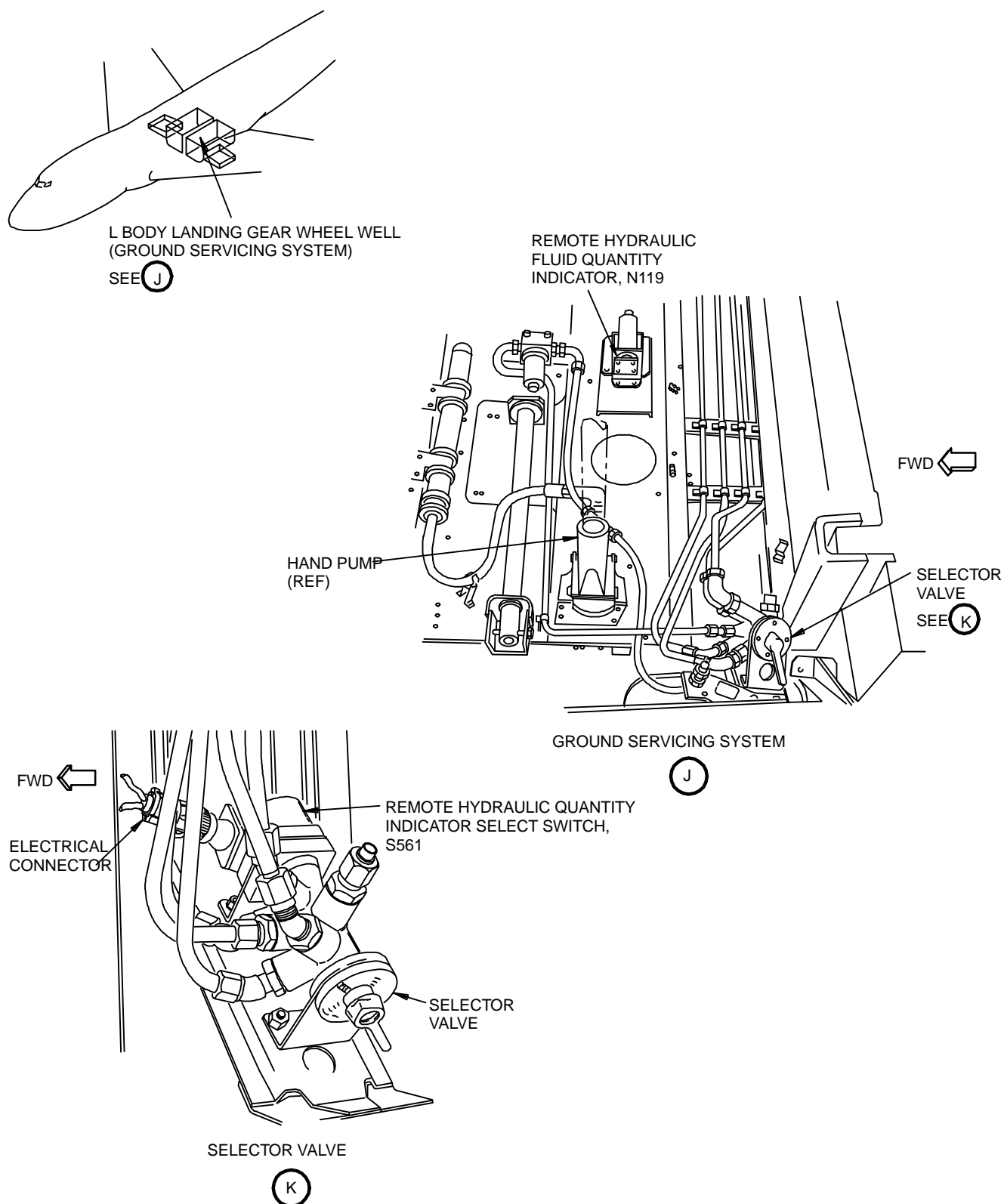
(G)

Hydraulic Systems - Component Location (Details from Sheet 4)
Figure 102 (Sheet 5)

Figure 33 29-30 Hydraulic Sys. Comp. Location Fig. 102 (Sheet 5)

599417





Hydraulic Systems - Component Location
Figure 102 (Sheet 6)

Figure 34 29-30 Hydraulic Sys. Comp. Location Fig. 102 (Sheet 6)

599412



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ATA 32 LANDING GEAR

32-09 LANDING GEAR MULTIPLE SYSTEM

COMPONENT INDEX AND LOCATION



FGM B1 LOCATIONS

Wing-, Body- and Nose Gear Components

Wing-, Body- and Nose Gear Doors

Ground Lock Pins

Ground Door Release Handle Operation

Gear- and Door Indication

Gear Control Components (Cockpit)

Nose Gear Squat Switches

Tire Pressure System Components

Brake Components and Indications

Brake Hydraulic Pressure Switches

Parking Brake System Components

Brake System Control Unit (BSCU)

Anti Skid Normal- and Alternate Servo Valves

Wheel Speed Transducer

Brake Hydraulic Fuses

Anti Skid Shuttle Valve Modules (Anti Skid Failure Brake Deactivation)

Brake Deactivation (Leakage)

Anti Skid Surge Accu's

Brake Torque Limiter Sensor

Auto Brake Pressure Control Module

Auto Brake Shuttle Valves

Brake Temperature System Components

Nose Gear Steering Actuators and Switch

Body Gear Steering Arming Switch

Body Gear Steering Pressure Switches

Body Gear Steering Transfer Valves

FZE B1 LOCATIONS

Wing -, Body- and Nose Gear Components

Wing-, Body- and Nose Gear Doors

Ground Lock Pins

Ground Door Release Handle Operation

Gear- and Door Indication

Gear Control Components (Cockpit)

Gear- and Door Position Switches

Gear Tilt Switches

Gear Lever Switches

PSEU

Nose Gear Squat Switches

Tire Pressure System Components

Brake Components and Indications

Brake Hydraulic Pressure Switches

Parking Brake System Components

BSCU

Anti Skid Normal / Alternate Servo Valves

Wheel Speed Transducer

Brake Torque Limiter Sensors

Auto Brake Pressure Control Module

Auto Brake Shuttle Valve Pressure Switches

Brake Temperature System Components

Nose Gear Steering Actuators and Switch

Body Gear Steering Arming Switch

Body Gear Steering Pressure Switches

Body Gear Steering Transfer Valves

Body Gear Steering Actuator Unlock Switches

FGM B2 LOCATIONS

Gear Selector- and Sequence Valves

Gear Alternate Extend System Components

Gear Lever Switches

Gear- and Door Position Switches

Gear Tilt Switches

PSEU

Auto Brake Select Switch Function

Nose Gear Steering Components

Body Gear Steering Components

FZE B2 LOCATIONS

Gear Alternate Extend System Components

Brake System Components

Auto Brake Select Switch Function



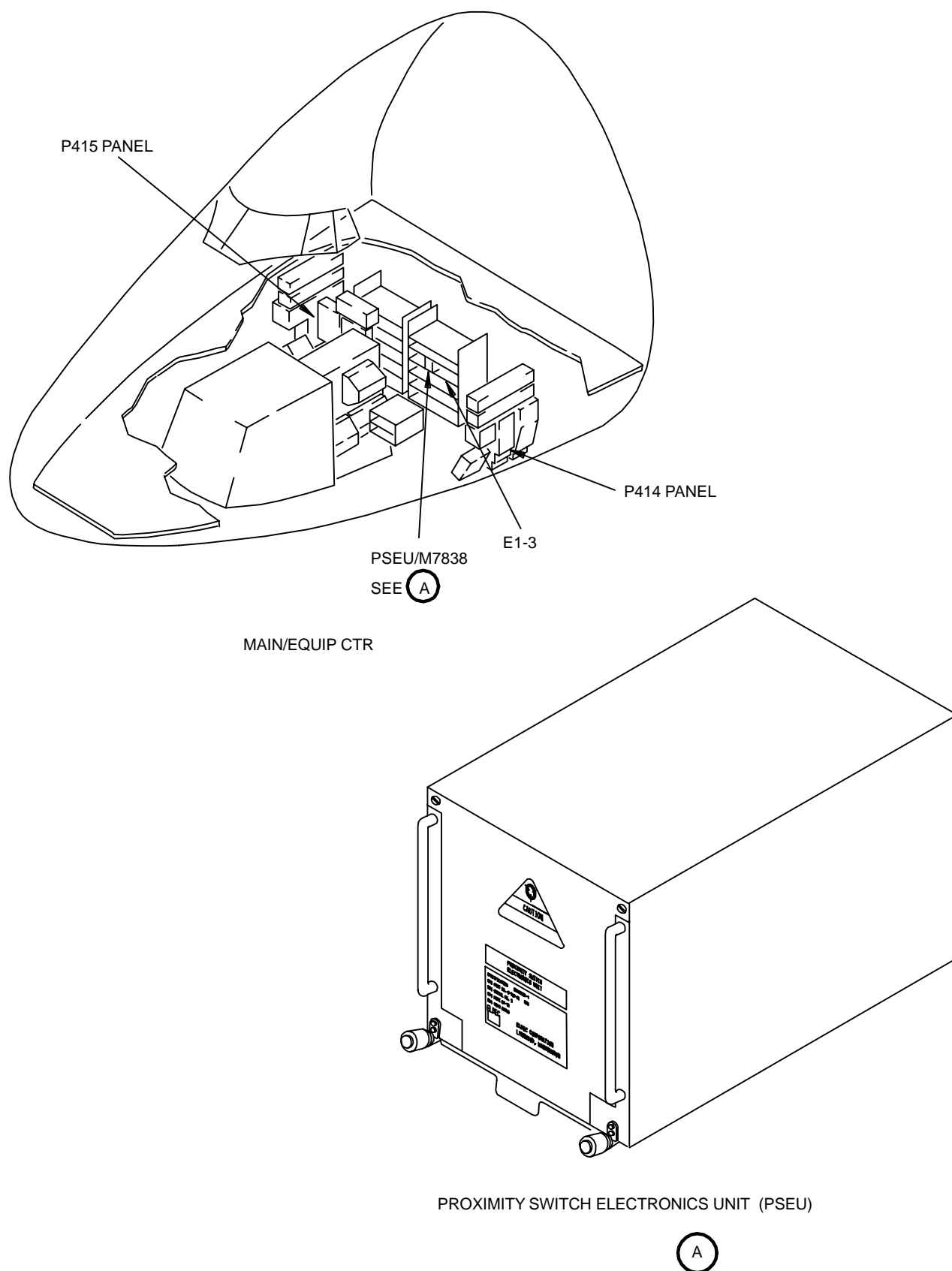
LANDING GEAR MULTIPLE SYSTEM/COMPONENTS

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
CIRCUIT BREAKERS - PSEU SECT 1 - C10004 PSEU SECT 2 - C10005 RELAYS - (REF 31-01-36, FIG. 101) AIR/GND RELAYS - (REF 31-01-39, FIG. 101) AIR/GND UNIT - PROXIMITY SWITCH ELECTRONICS, M7838	-- --	1 1 1	FLT COMPT, P7 7F25 7F26 117AL, MAIN EQUIP CTR, E1-3	 32-09-03

Landing Gear Multiple System/Components - Component Index
Figure 101

Figure 35 32-09 Landing Gear Multiple Sys. Comp. Index Fig. 101

577208



Landing Gear Multiple Use System/Components - Component Location

Figure 102

577078

Figure 36 32-09 Landing Gear Multiple Use Sys. Comp. Location Fig. 102



**Lufthansa
Technical Training**

32-1 1 WING GEAR

COMPONENT INDEX AND LOCATION



WING GEAR

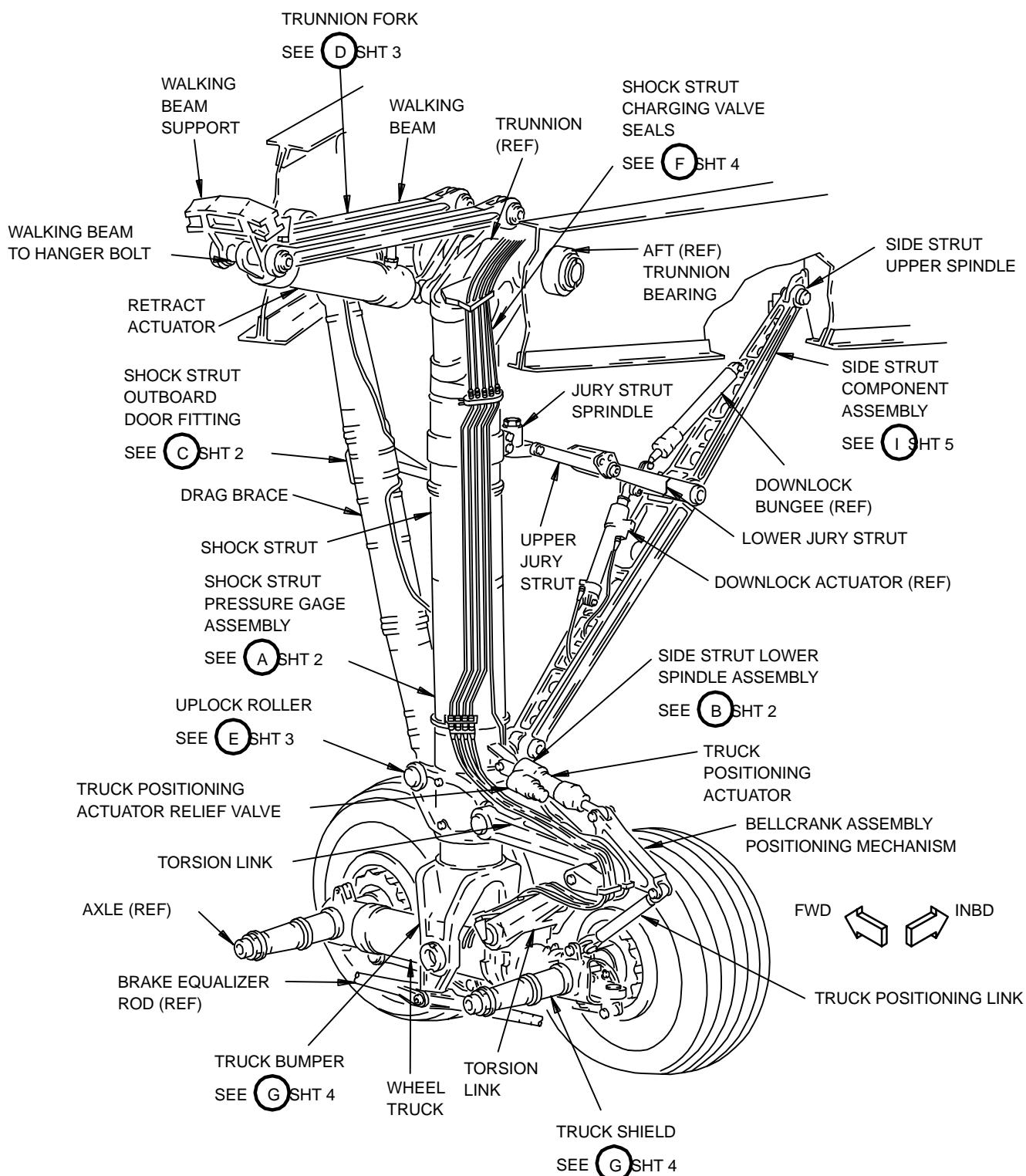
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ACTUATOR - TRUCK POSITIONING	1	2	LEFT AND RIGHT WING GEAR	32-11-20
ASSEMBLY - SHOCK STRUT PRESSURE GAGE	2	2	LEFT AND RIGHT WING GEAR	32-11-02
ASSEMBLY - SIDE STRUT COMPONENT	1	2	LEFT AND RIGHT WING GEAR	32-11-27
BEAM - WALKING	1	2	LEFT AND RIGHT WING GEAR	32-11-15
BOLT - WALKING BEAM-TO-HANGER	1	2	LEFT AND RIGHT WING GEAR	32-11-16
BRACE - DRAG	1	2	LEFT AND RIGHT WING GEAR	32-11-03
BUMPER - TRUCK	4	2	LEFT AND RIGHT WING GEAR	32-11-26
FITTING - SHOCK STRUT OUTBOARD DOOR	2	2	LEFT AND RIGHT WING GEAR	32-11-28
FORK - TRUNNION	3	2	LEFT AND RIGHT WING GEAR	32-11-19
FUSE - SHOCK STRUT FLOW	2	2	SHOCK STRUT PRESSURE GAGE ASSEMBLY	32-11-02
GEAR - WING LANDING	1	2	LEFT AND RIGHT WING GEAR	32-11-01
LINK - TRUCK POSITIONING	1	2	LEFT AND RIGHT WING GEAR	32-11-22
LINKS - TORSION	1	2	LEFT AND RIGHT WING GEAR	32-11-14
LOCK - TRUCK MECHANICAL	2	2	SIDE STRUT LOWER SPINDLE ASSEMBLY	32-11-23
MECHANISM - BELLCRANK ASSEMBLY, POSITIONING	1	2	LEFT AND RIGHT WING GEAR	32-11-21
ROLLER - UPLOCK	3	2	LEFT AND RIGHT WING GEAR	32-11-13
SEALS - SHOCK STRUT CHARGING VALVE	4	2	LEFT AND RIGHT WING GEAR	32-11-31
SHIELD - TRUCK	4	2	LEFT AND RIGHT WING GEAR	32-11-26
SPINDLE - JURY STRUT	1	2	LEFT AND RIGHT WING GEAR	32-11-09
SPINDLE - SIDE STRUT LOWER	2	2	SIDE STRUT LOWER SPINDLE ASSEMBLY	32-11-07
SPINDLE - SIDE STRUT UPPER	1	2	LEFT AND RIGHT WING GEAR	32-11-05
STRUT - LOWER JURY	1	2	LEFT AND RIGHT WING GEAR	32-11-10
STRUT - LOWER SIDE	5	2	LEFT AND RIGHT WING GEAR SIDE STRUT COMPONENT ASSEMBLY	32-11-06
STRUT - SHOCK	1	2	LEFT AND RIGHT WING GEAR	32-11-02
STRUT - UPPER JURY	1	2	LEFT AND RIGHT WING GEAR	32-11-08
STRUT - UPPER SIDE	5	2	LEFT AND RIGHT WING GEAR SIDE STRUT COMPONENT ASSEMBLY	32-11-04
SUPPORT - WALKING BEAM	1	2	LEFT AND RIGHT WING GEAR	32-11-18
TRUCK - WHEEL	1	2	LEFT AND RIGHT WING GEAR	32-11-11
VALVE - SHOCK STRUT SHUTOFF	2	2	SHOCK STRUT PRESSURE GAGE ASSEMBLY	32-11-02
VALVE - TRUCK POSITIONING ACTUATOR RELIEF	1	2	LEFT AND RIGHT WING GEAR	32-11-29
VALVE - TRUCK POSITIONER PRESSURE REDUCING	5	2	LEFT AND RIGHT WING GEAR WHEEL WELL	32-11-24

Wing Gear - Component Index
Figure 101

Figure 37 32-1 1 Wing Gear Comp. Index Fig. 101

577211



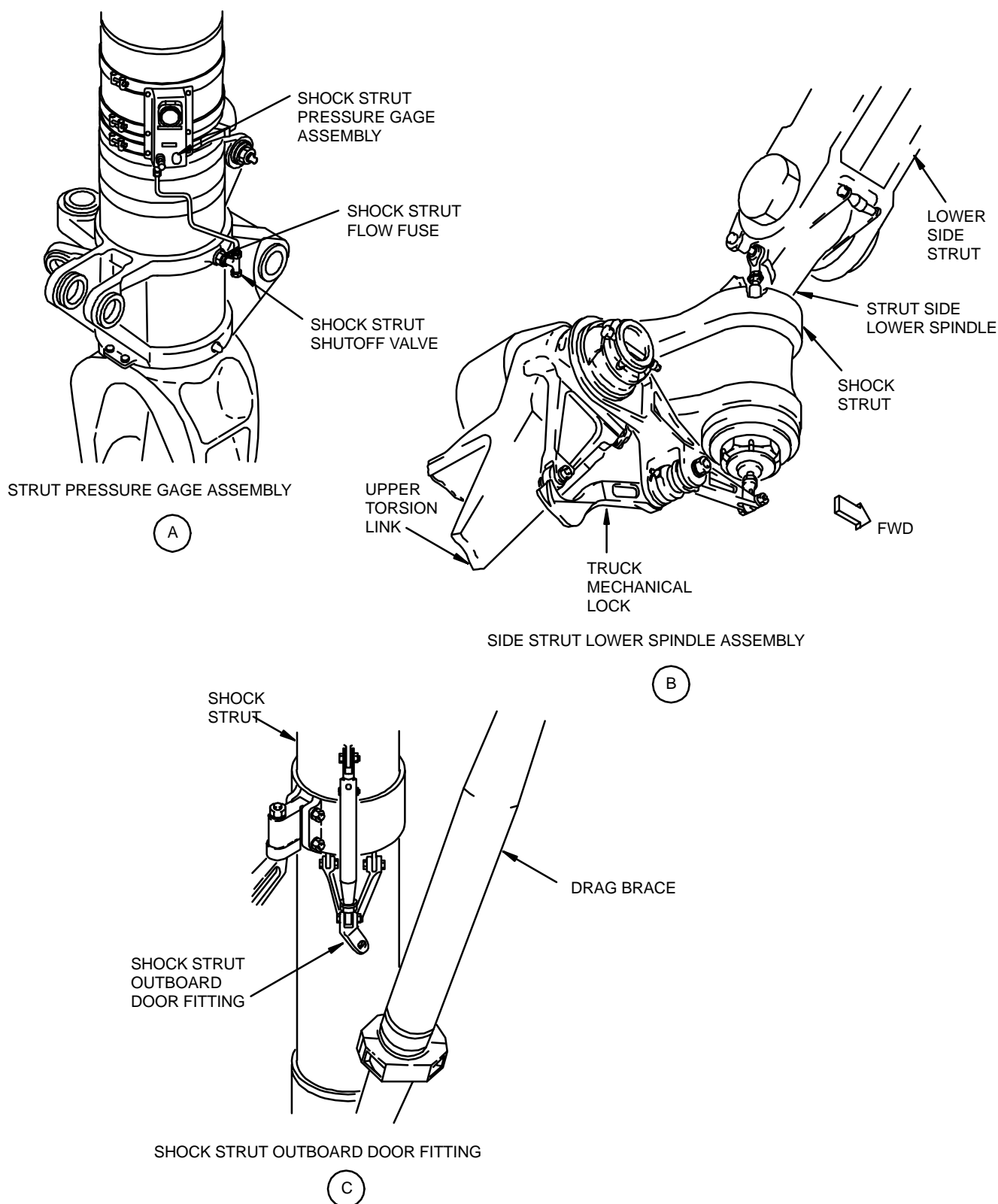


Wing Gear - Component Location
Figure 102 (Sheet 1)

Figure 38 32-1 1 Wing Gear Comp. Location Fig. 102 (Sheet 1)

577106



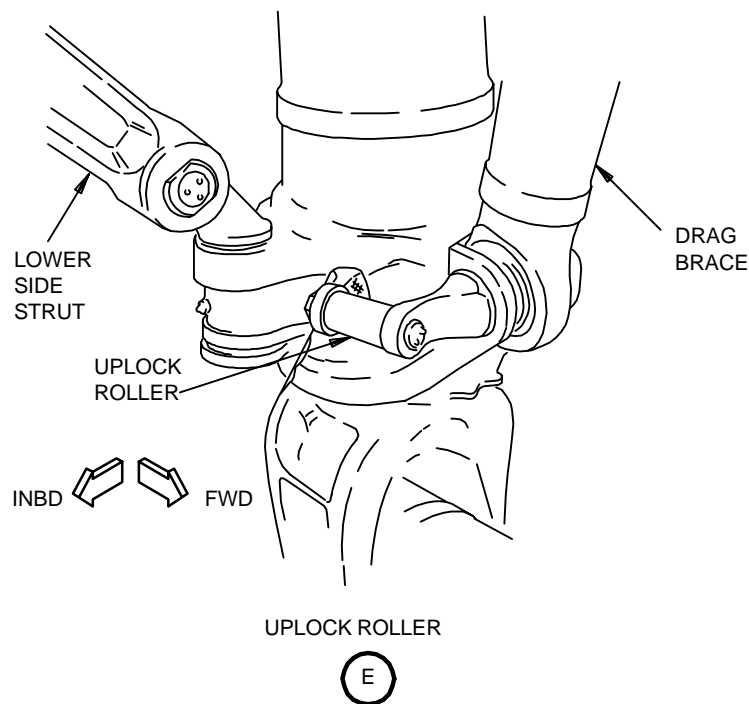
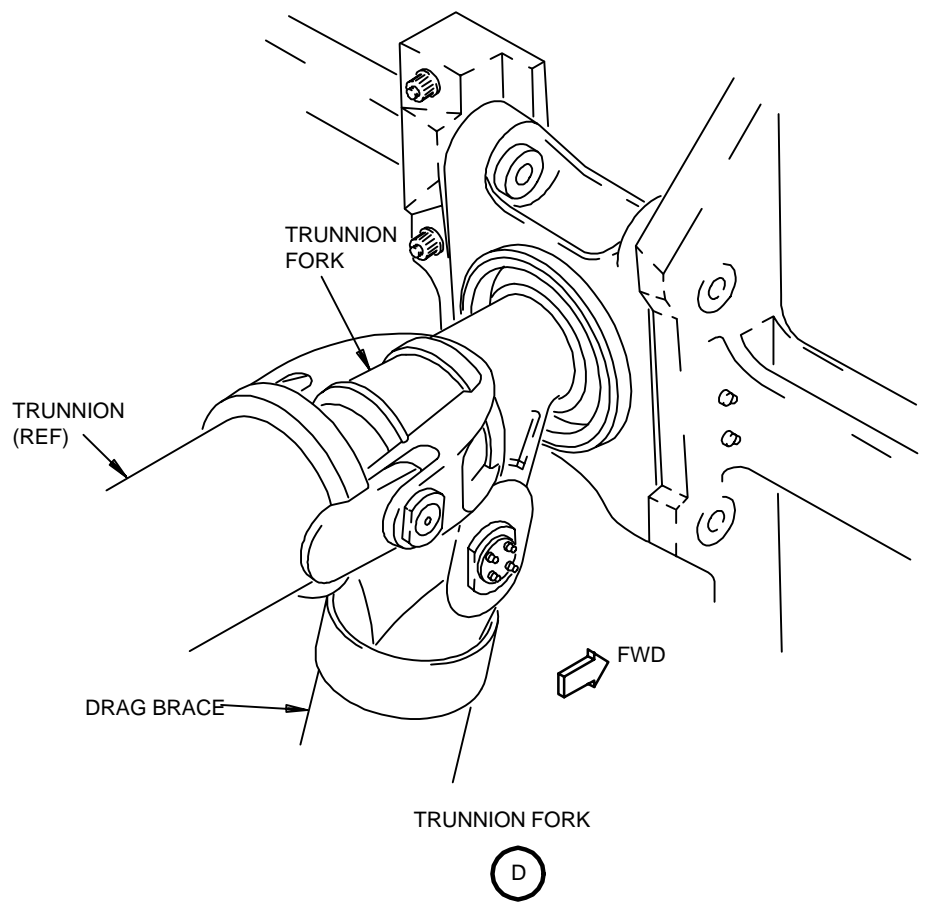


Wing Gear - Component Location (Details from Sht 1)
Figure 102 (Sheet 2)

Figure 39 32-1 1 Wing Gear Comp. Location Fig. 102 (Sheet 2)

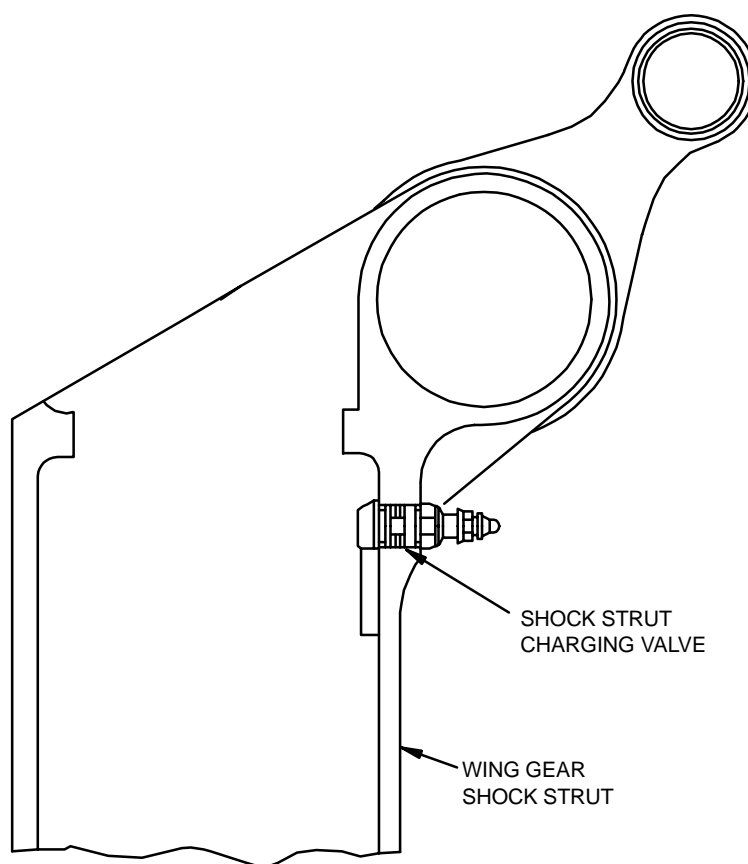
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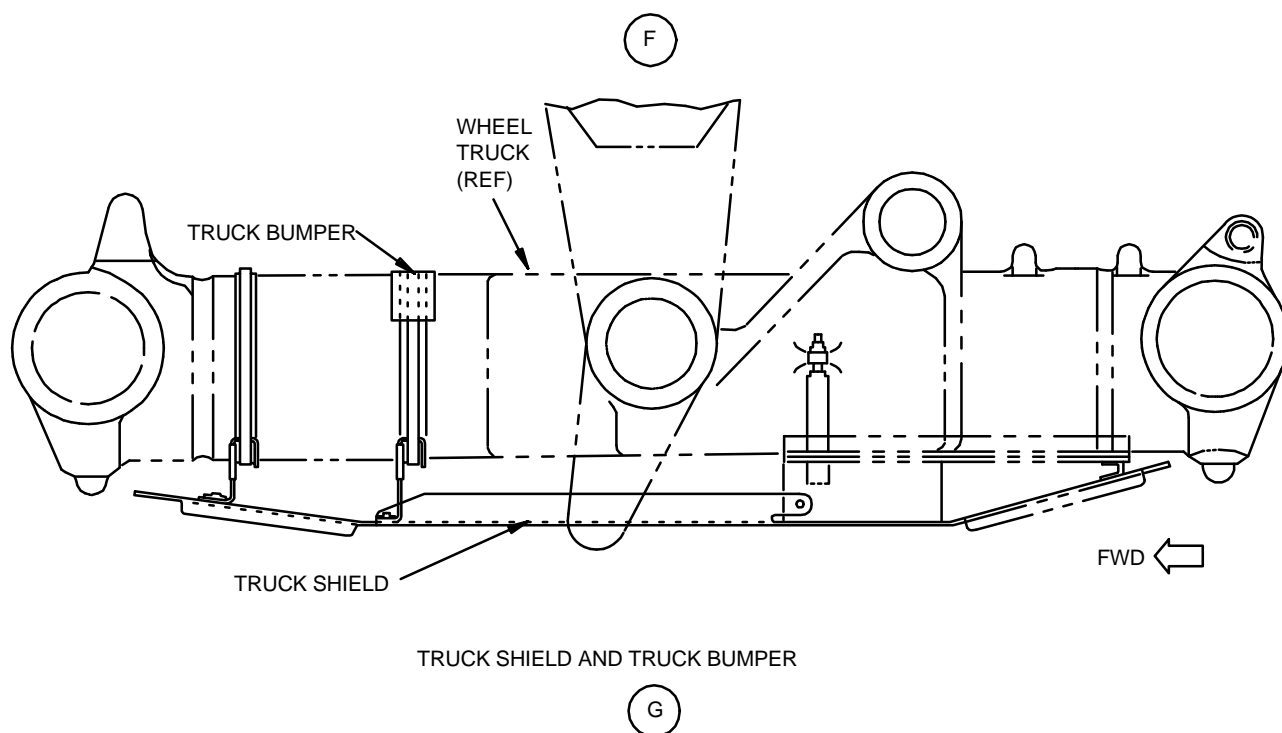


Wing Gear - Component Location (Details From Sht 1)
Figure 102 (Sheet 3)
Figure 40 32-1 1 Wing Gear Comp. Location Fig. 102 (Sheet 3)

577116



SHOCK STRUT CHARGING VALVE SEALS



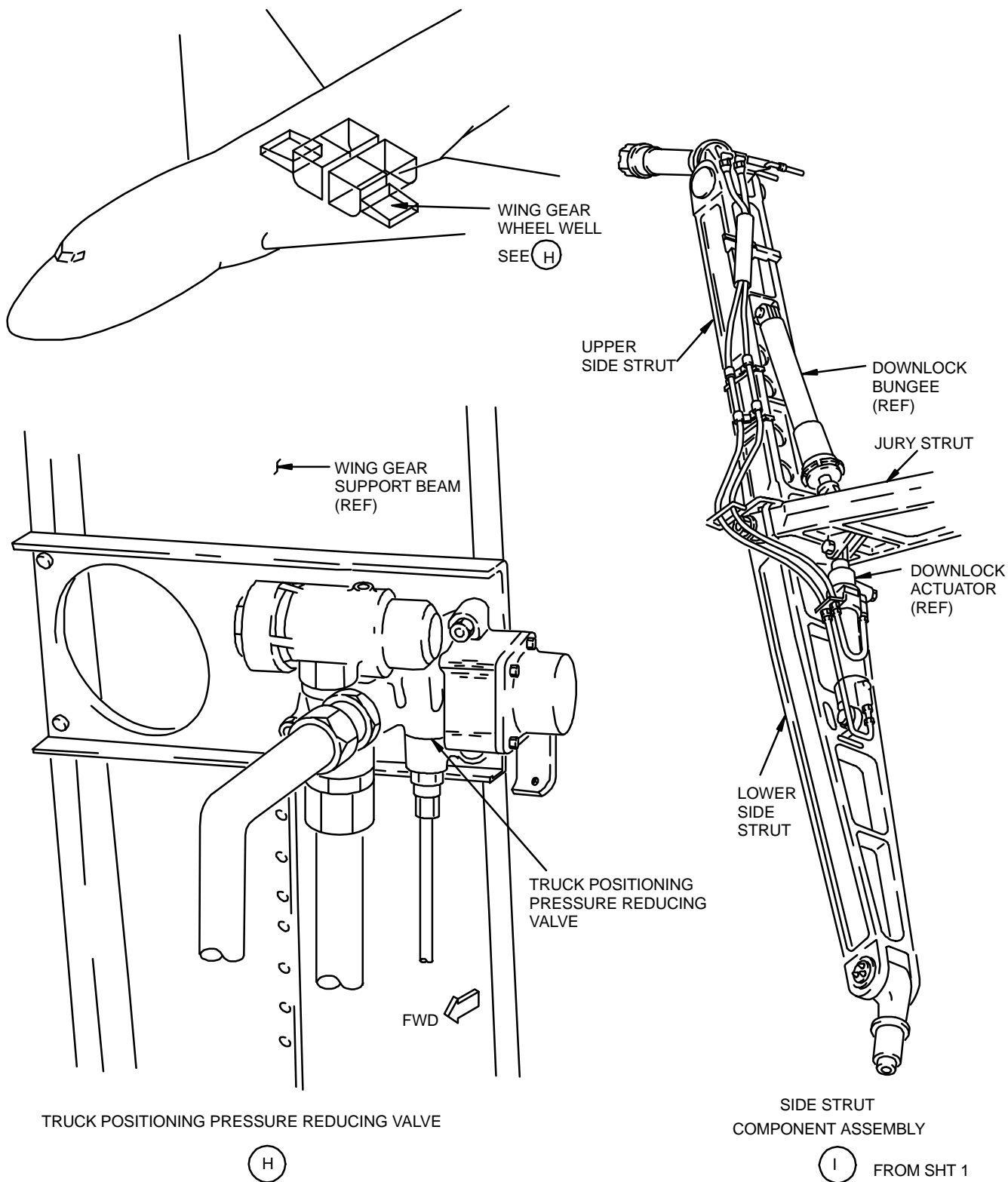
Wing Gear - Component Location (Details From Sht 1)

Figure 102 (Sheet 4)

Figure 41 32-1 1 Wing Gear Comp. Location Fig. 102 (Sheet 4)

577139





Wing Gear - Component Location
Figure 102 (Sheet 5)

Figure 42 32-1 1 Wing Gear Comp. Location Fig. 102 (Sheet 5)

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32-12 WING GEAR DOORS

COMPONENT INDEX AND LOCATION



WING GEAR DOORS

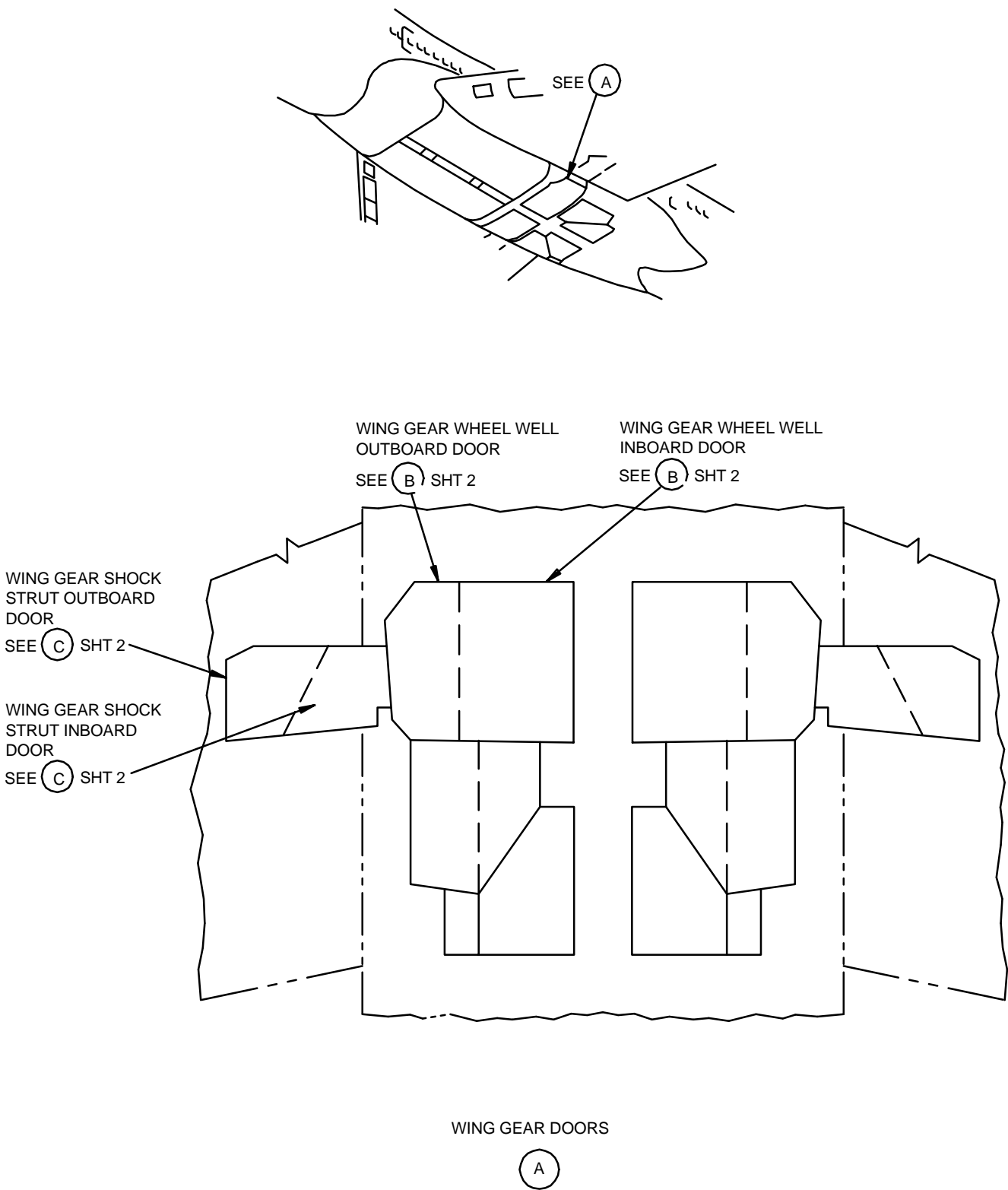
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
BOARD - WHEEL WELL STRIKE	2	2	WING GEAR WHEEL WELL DOORS	32-12-03
DOOR - SHOCK STRUT INBOARD	2	2	WING GEAR DOORS	32-12-06
DOOR - SHOCK STRUT OUTBOARD	2	2	WING GEAR DOORS	32-12-07
DOOR - WHEEL WELL INBOARD	2	2	WING GEAR DOORS	32-12-02
DOOR - WHEEL WELL OUTBOARD	2	2	WING GEAR DOORS	32-12-01
FAIRING - SHOCK STRUT DOOR	2	2	WING GEAR SHOCK STRUT DOORS	

Wing Gear Doors - Component Index
Figure 101

Figure 43 32-12 Wing Gear Doors Comp. Location Fig. 101

577212

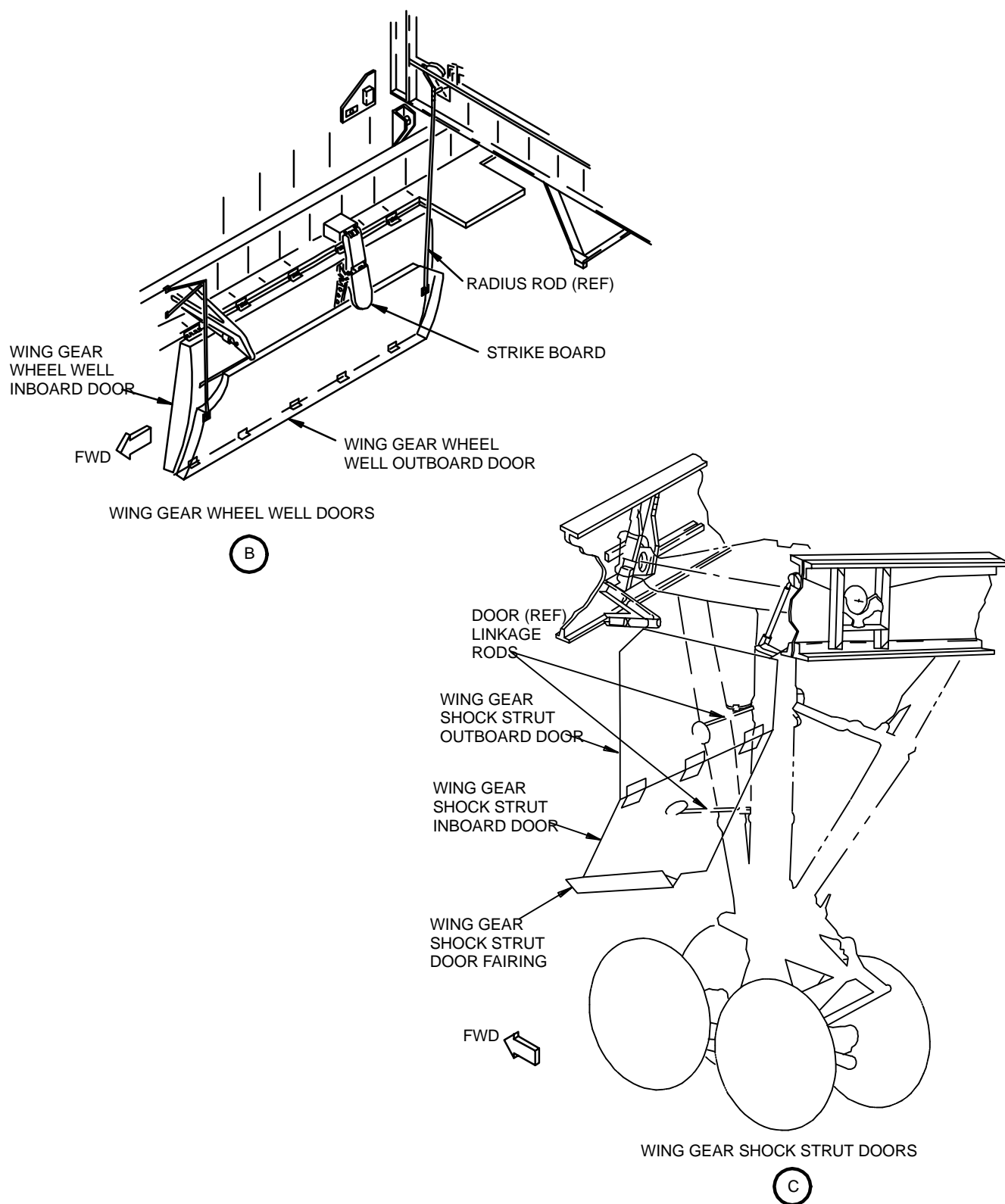




Wing Gear Doors - Component Location
Figure 102 (Sheet 1)

577073

Figure 44 32-12 Wing Gear Doors Comp. Location Fig. 102 (Sheet 1)



Wing Gear Doors - Component Location
Figure 102 (Sheet 2)

Figure 45 32-12 Wing Gear Doors Comp. Location Fig. 102 (Sheet 2)

577076



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32-13-00

32-13 BODY GEAR

COMPONENT INDEX AND LOCATION



BODY GEAR

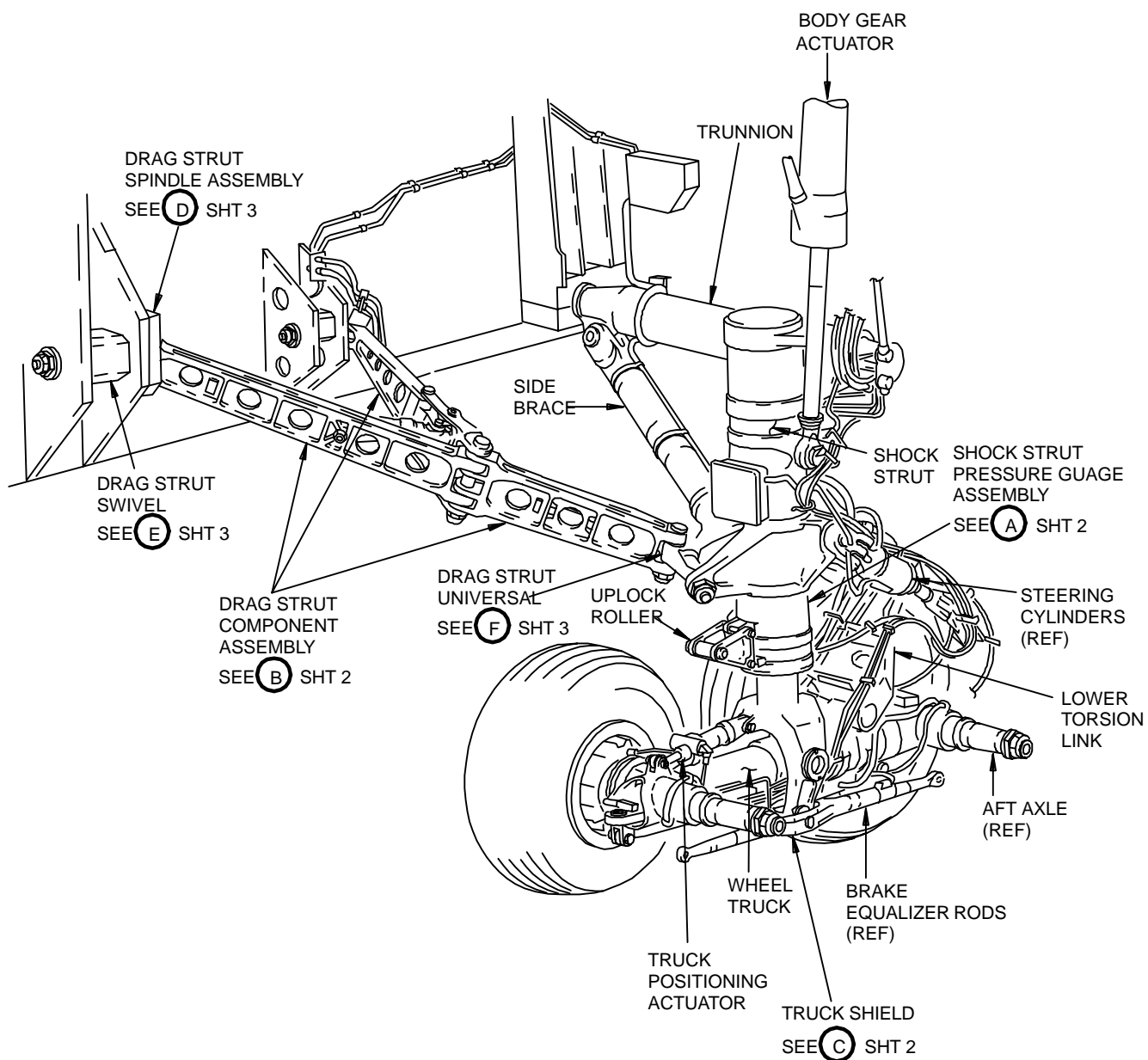
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ACTUATOR - TRUCK POSITIONING	1	2	LEFT AND RIGHT BODY GEAR	32-13-15
ASSEMBLY - DRAG STRUT COMPONENT	2	2	LEFT AND RIGHT BODY GEAR	32-13-19
ASSEMBLY - SHOCK STRUT PRESSURE GAGE	2	2	LEFT AND RIGHT BODY GEAR	32-13-02
BRACE - SIDE	1	2	LEFT AND RIGHT BODY GEAR	32-13-03
FUSE - SHOCK STRUT FLOW	2	2	LEFT AND RIGHT BODY GEAR, SHOCK STRUT PRESSURE GAGE ASSEMBLY	32-13-02
FUSE - TRUCK POSITIONING SYSTEM HYDRAULIC	4	2	LEFT AND RIGHT BODY GEAR, TRUCK POSITIONER PRESSURE REDUCING VALVE ASSEMBLY	32-13-24
GEAR - BODY LANDING	1	2	LEFT AND RIGHT BODY GEAR	32-13-01
LINK - LOWER TORSION	1	2	LEFT AND RIGHT BODY GEAR	32-13-14
ROLLER - UPLOCK	1	2	LEFT AND RIGHT BODY GEAR	32-13-13
SHIELD - TRUCK	2	2	LEFT AND RIGHT BODY GEAR	32-13-18
SPINDLE - DRAG STRUT	3	2	LEFT AND RIGHT BODY GEAR	32-13-05
SPINDLE - JURY STRUT	3	2	LEFT AND RIGHT BODY GEAR	32-13-09
STRUT - LOWER DRAG	2	2	LEFT AND RIGHT BODY GEAR DRAG STRUT COMPONENT ASSEMBLY	32-13-06
STRUT - LOWER JURY	2	2	LEFT AND RIGHT BODY GEAR DRAG STRUT COMPONENT ASSEMBLY	32-13-10
STRUT - SHOCK	1	2	LEFT AND RIGHT BODY GEAR	32-13-02
STRUT - UPPER DRAG	2	2	LEFT AND RIGHT BODY GEAR DRAG STRUT COMPONENT ASSEMBLY	32-13-04
STRUT - UPPER JURY	2	2	LEFT AND RIGHT BODY GEAR DRAG STRUT COMPONENT ASSEMBLY	32-13-08
SWIVEL - DRAG STRUT	3	2	LEFT AND RIGHT BODY GEAR	32-13-17
TRUCK - WHEEL			LEFT AND RIGHT BODY GEAR	32-13-1 1
UNIVERSAL - DRAG STRUT	3	2	LEFT AND RIGHT BODY GEAR	32-13-07
VALVE - SHOCK STRUT SHUTOFF VALVE	2	2	LEFT AND RIGHT BODY GEAR, SHOCK STRUT PRESSURE GAGE ASSEMBLY	32-13-02
VALVE - TRUCK POSITIONING PRESSURE REDUCING	4	2	LEFT AND RIGHT BODY GEAR WHEEL WELL	32-13-16
VALVE - TRUCK POSITIONING PRESSURE REDUCING HIGH RESPONSE	4	2	TRUCK POSITIONING PRESSURE, REDUCING VALVE ASSEMBLY	32-13-25

Body Gear - Component Index
Figure 101

Figure 46 32-13 Body Gear Comp. Index Fig. 101

577218



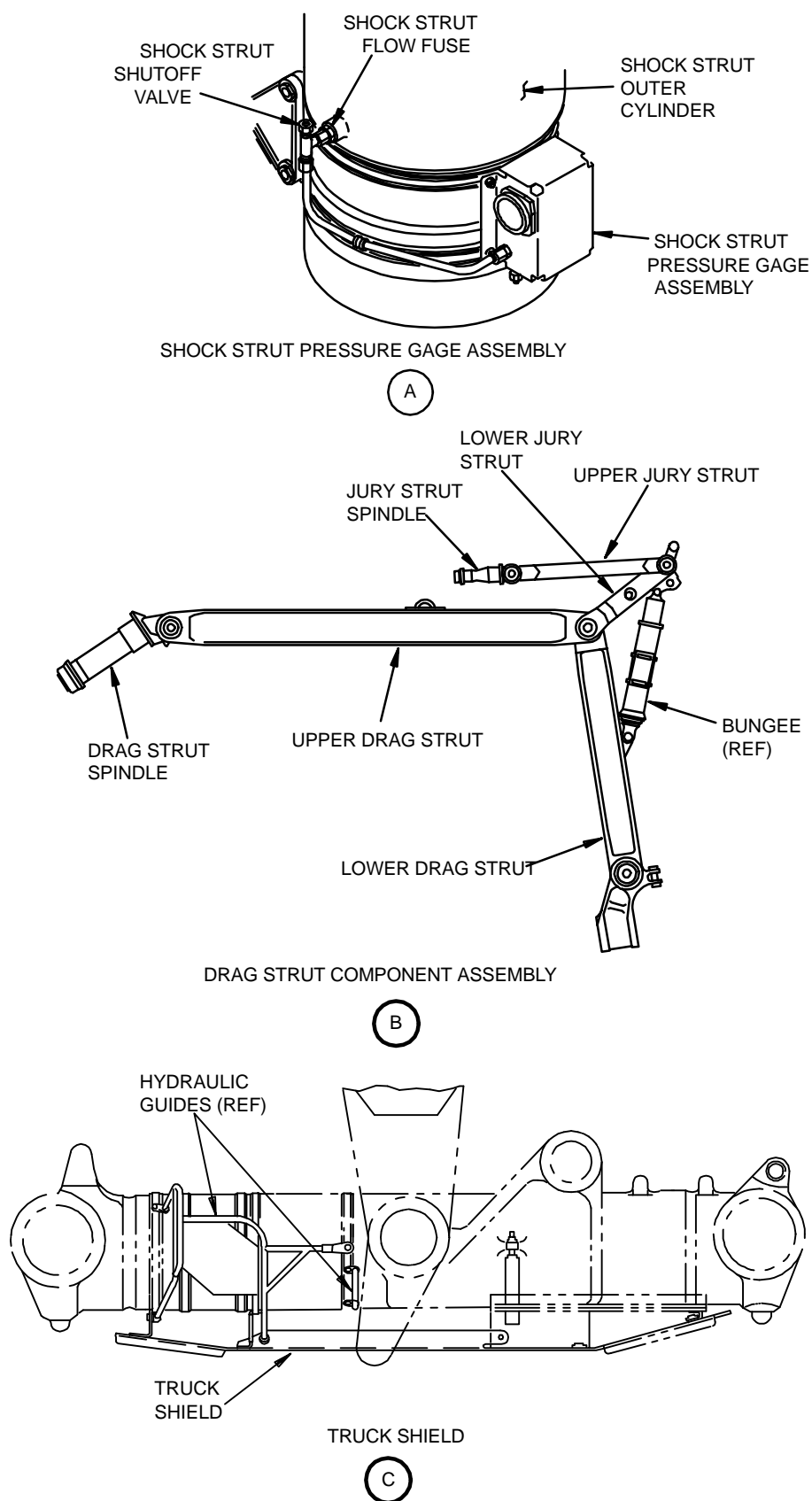


Body Gear Component Location
Figure 102 (Sheet 1)

Figure 47 32-13 Body Gear Comp. Location Fig. 102 (Sheet 1)

577079





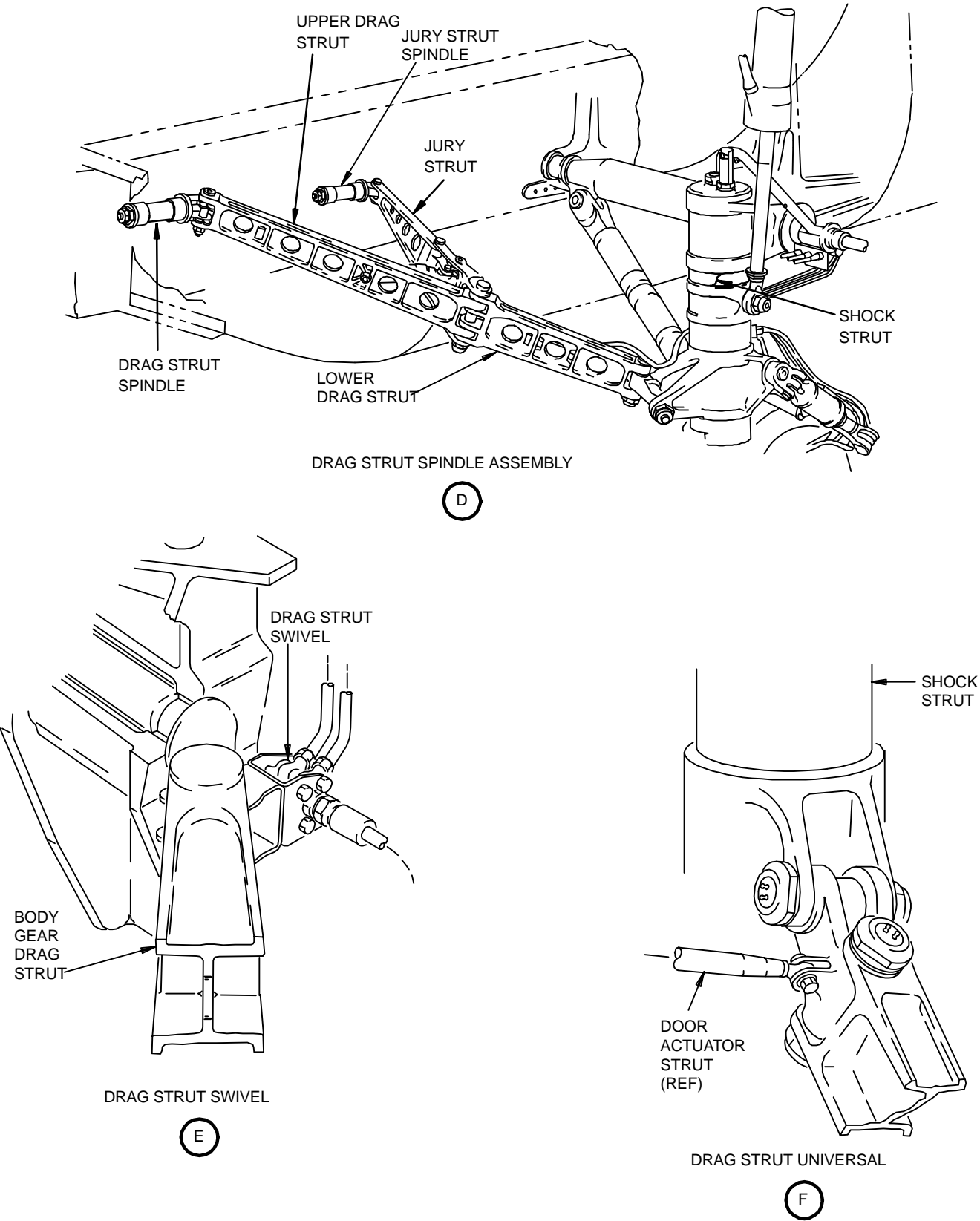
Body Gear - Component Location (Details from Sht 1)

Figure 102 (Sheet 2)

577094

Figure 48 32-13 Body Gear Comp. Location Fig. 102 (Sheet 3)

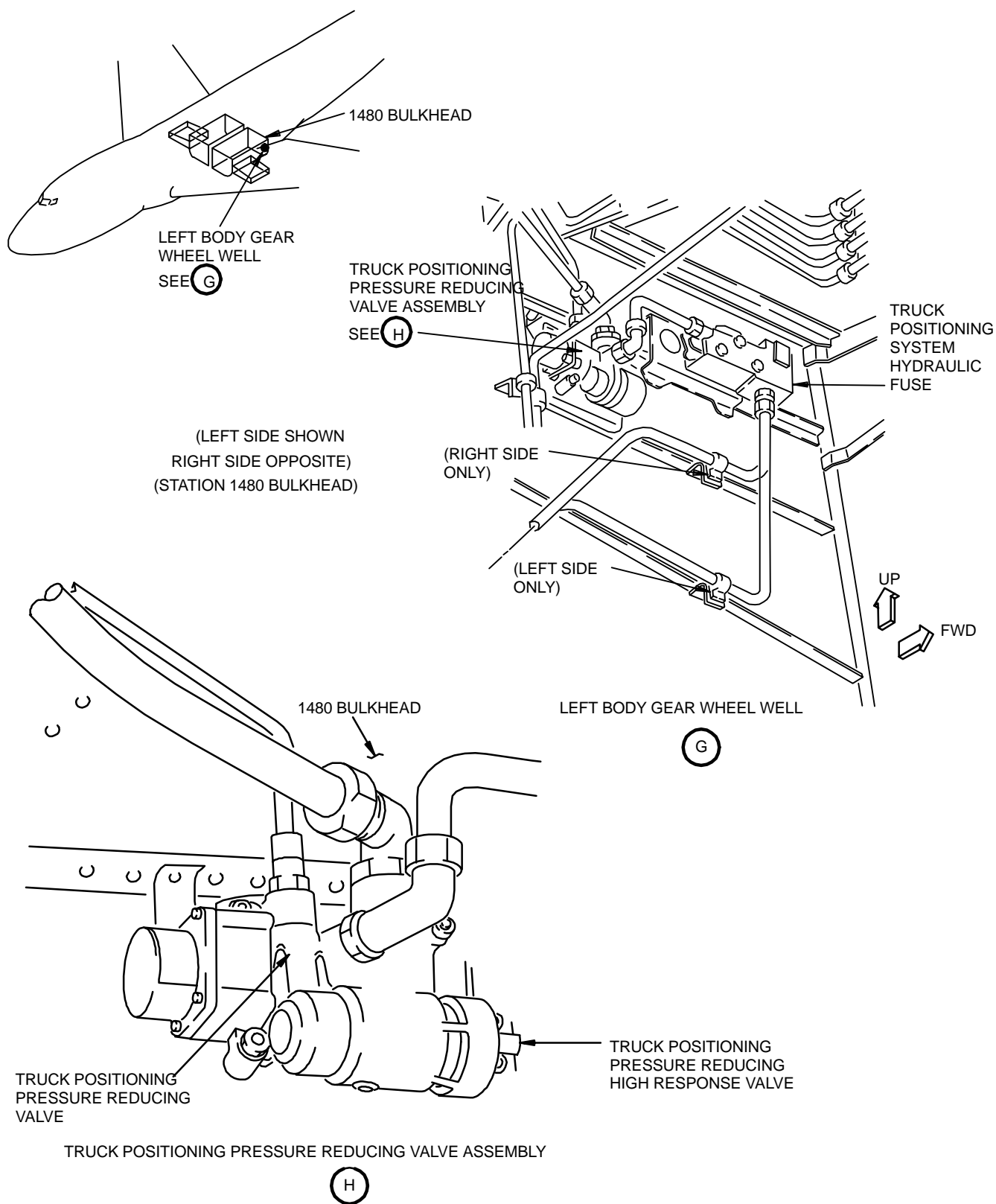




Body Gear - Component Location (Details from Sht 1)
Figure 102 (Sheet 3)

Figure 49 32-13 Body Gear Comp. Location Fig. 102 (Sheet 3)

577100



Body Gear - Component Location
Figure 102 (Sheet 4)

Figure 50 32-13 Body Gear Comp. Location Fig. 102 (Sheet 4)

577110



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32-14-00

32-14 BODY GEAR DOORS

COMPONENT INDEX AND LOCATION



BODY GEAR DOORS

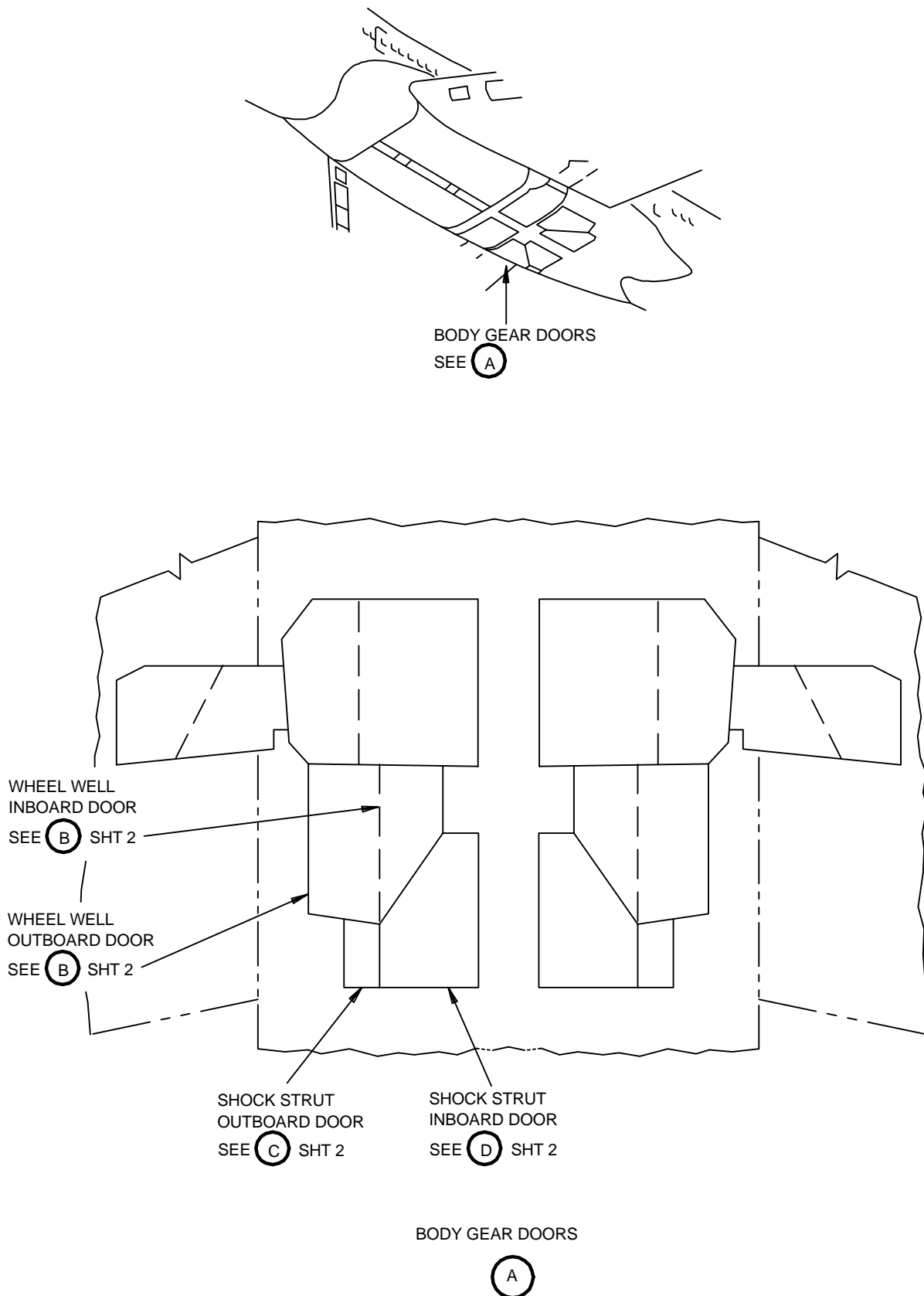
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
BAR - WHEEL WELL SAFETY	2	2	LEFT AND RIGHT WHEEL WELL DOORS	32-14-03
DOOR - SHOCK STRUT INBOARD	2	2	LEFT AND RIGHT SHOCK STRUT INBOARD DOORS	32-14-05
DOOR - SHOCK STRUT OUTBOARD	2	2	LEFT AND RIGHT SHOCK STRUT OUTBOARD DOORS	32-14-06
DOOR - WHEEL WELL INBOARD	2	2	LEFT AND RIGHT WHEEL WELL DOORS	32-14-01
DOOR - WHEEL WELL OUTBOARD	2	2	LEFT AND RIGHT WHEEL WELL DOORS	32-14-02

Body Gear Doors - Component Index
Figure 101

Figure 51 32-14 Body Gear Doors Comp. Index Fig. 101

577213





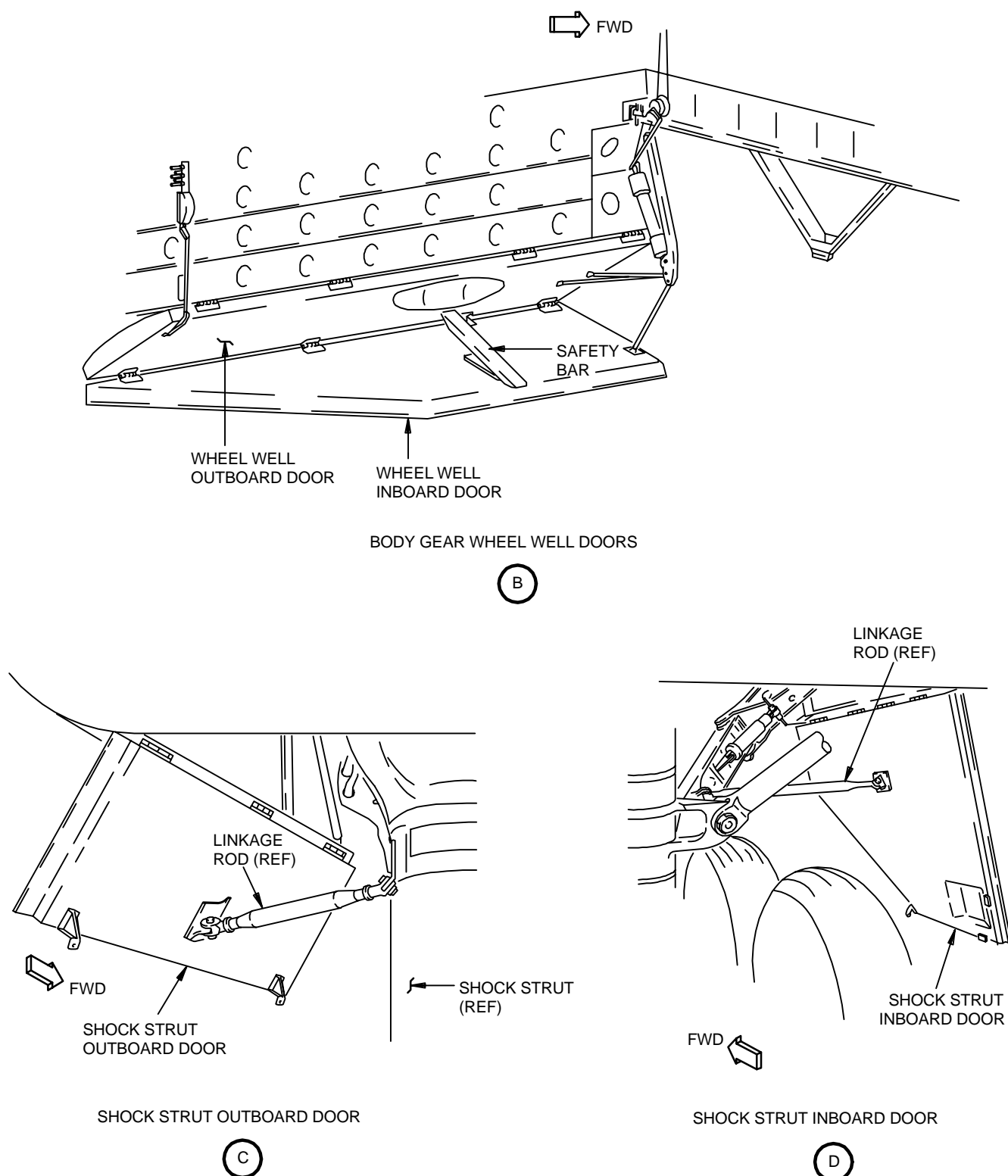
Body Gear Doors - Component Location

Figure 102 (Sheet 1)

577113

Figure 52 32-14 Body Gear Doors Comp. Location Fig. 102 (Sheet 1)





Body Gear Doors - Component Location (Details from Sht 1)
 Figure 102 (Sheet 2)

Figure 53 32-14 Body Gear Doors Comp. Location Fig. 102 (Sheet 2)

577141



B747-430

32-21-00

32-21 NOSE GEAR

COMPONENTS INDEX AND LOCATION



NOSE GEAR

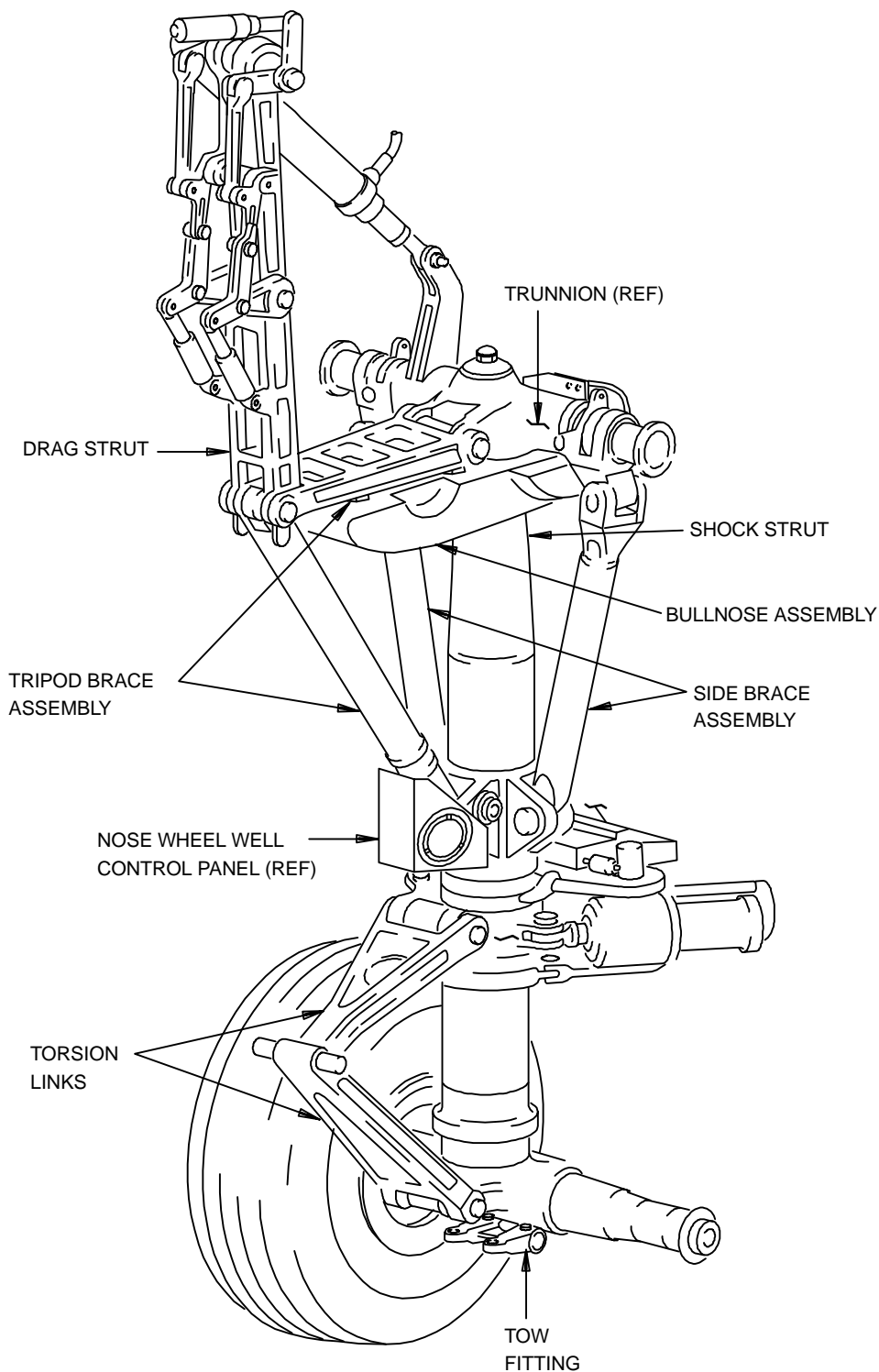
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ASSEMBLY - BULLNOSE	--	1	NOSE GEAR	32-21-07
ASSEMBLY - SIDE BRACE	--	1	NOSE GEAR	32-21-06
ASSEMBLY - TRIPOD BRACE	--	1	NOSE GEAR	32-21-05
FITTING - TOWING	--	1	NOSE GEAR	32-21-08
GEAR - NOSE LANDING	--	1	NOSE GEAR	32-21-01
LINKS - TORSION	--	1	NOSE GEAR	32-21-03
STRUT - DRAG	--	1	NOSE GEAR	32-21-04
STRUT - SHOCK	--	1	NOSE GEAR	32-21-02

Nose Gear - Component Index
Figure 101

Figure 54 32-21 Nose Gear Comp. Index Fig. 101

577215





Nose Landing Gear Component Location

Figure 102

577146

Figure 55 32-21 Nose Landing Gear Comp. Location Fig. 102



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32-22-00

32-22 NOSE GEAR DOORS

COMPONENT INDEX AND LOCATION



NOSE GEAR DOORS

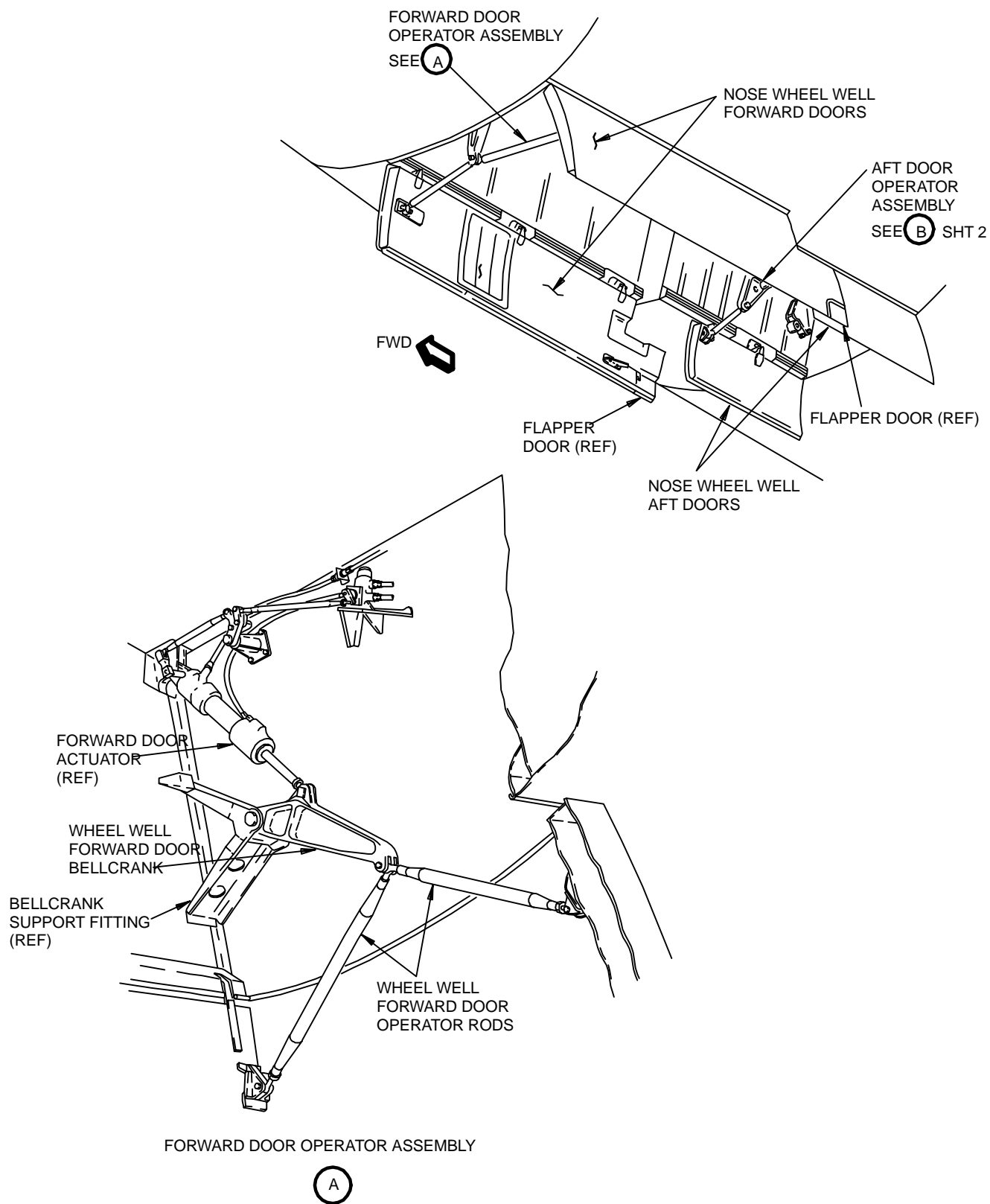
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
BELLCRANK - NOSE WHEEL WELL FORWARD DOOR	1	2	NOSE GEAR WHEEL WELL, FORWARD DOOR OPERATOR ASSEMBLY	32-22-05
DOORS - AFT NOSE WHEEL WELL	1	2	NOSE GEAR	32-22-02
DOORS - FORWARD NOSE WHEEL WELL	1	2	NOSE GEQR	32-22-01
OPERATOR - NOSE WHEEL WELL AFT DOOR	2	2	NOSE GEAR AFT WHEEL WELL, AFT DOOR OPERATOR ASSEMBLY	32-22-04
RODS - NOSE WHEEL WELL FORWARD DOOR OPERATOR	1	1	NOSE GEAR FORWARD WHEEL WELL FORWARD DOOR OPERATOR ASSEMBLY	32-22-03

Nose Gear Doors - Component Index
Figure 101

Figure 56 32-22 Nose Gear Doors Comp. Index Fig. 101

577217



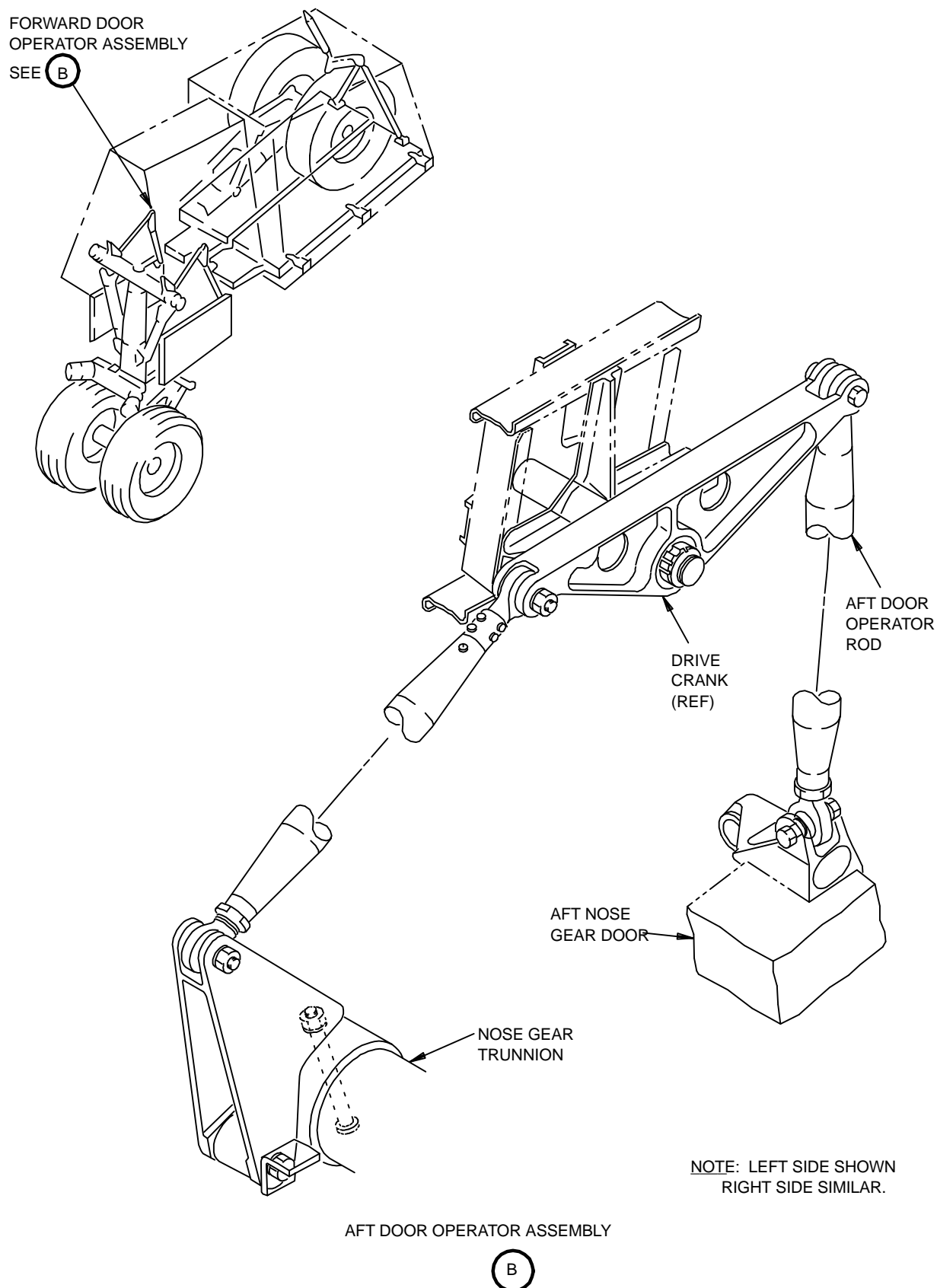


Nose Gear Doors - Component Location
Figure 102 (Sheet 1)

Figure 57 32-22 Nose Gear Doors Comp. Location Fig. 102 (Sheet 1)

577152





Nose Gear Doors - Component Location
Figure 102 (Sheet 2)

Figure 58 32-22 Nose Gear Doors Comp. Location Fig. 102 (Sheet 2)

577160



32-31 LANDING GEAR CONTROL SYSTEM

COMPONENT INDEX AND LOCATION



LANDING GEAR CONTROL SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
CABLES - CONTROL SYSTEM	1	10	CONTROL CABIN TO SELECTOR VALVES IN L, R BODY LANDING GEAR WHEEL WELLS	32-31-00
CIRCUIT BREAKERS - LANDING GEAR LEVER LOCK, C01435	1	1	FLT COMPT, P7 7F24	*
MODULE - CONTROL HANDLE	1	1	FLT COMPT, P2-3	32-31-01
QUADRANT - NOSE/BODY GEAR SELECTOR VALVE	3	1	L BODY GEAR WHEEL WELL, NOSE/BODY SELECTOR VALVE MECHANISM	32-31-04
QUADRANT - WING GEAR SELECTOR VALVE	3	1	R BODY GEAR WHEEL WELL, WING GEAR SELECTOR VALVE MECHANISM	32-31-04
RELAY - INTERLOCK, R391	2	1	FLT COMPT, P2-3, LANDING GEAR CONTROL HANDLE MODULE	*
SOLENOID - INTERLOCK, M926	2	1	FLT COMPT, P2-3	*
SWITCH - GEAR DOWN INDICATOR, S753A,S753B	2	1	FLT COMPT, P2-3, LANDING GEAR CONTROL HANDLE MODULE	*
VALVE - NOSE/BODY GEAR SELECTOR	3	1	L BODY GEAR WHEEL WELL, NOSE/BODY GEAR SELECTOR VALVE MECHANISM	32-31-03
VALVE - WING GEAR SELECTOR	3	2	R BODY GEAR WHEEL WELL, WING GEAR SELECTOR VALVE MECHANISM	32-31-03

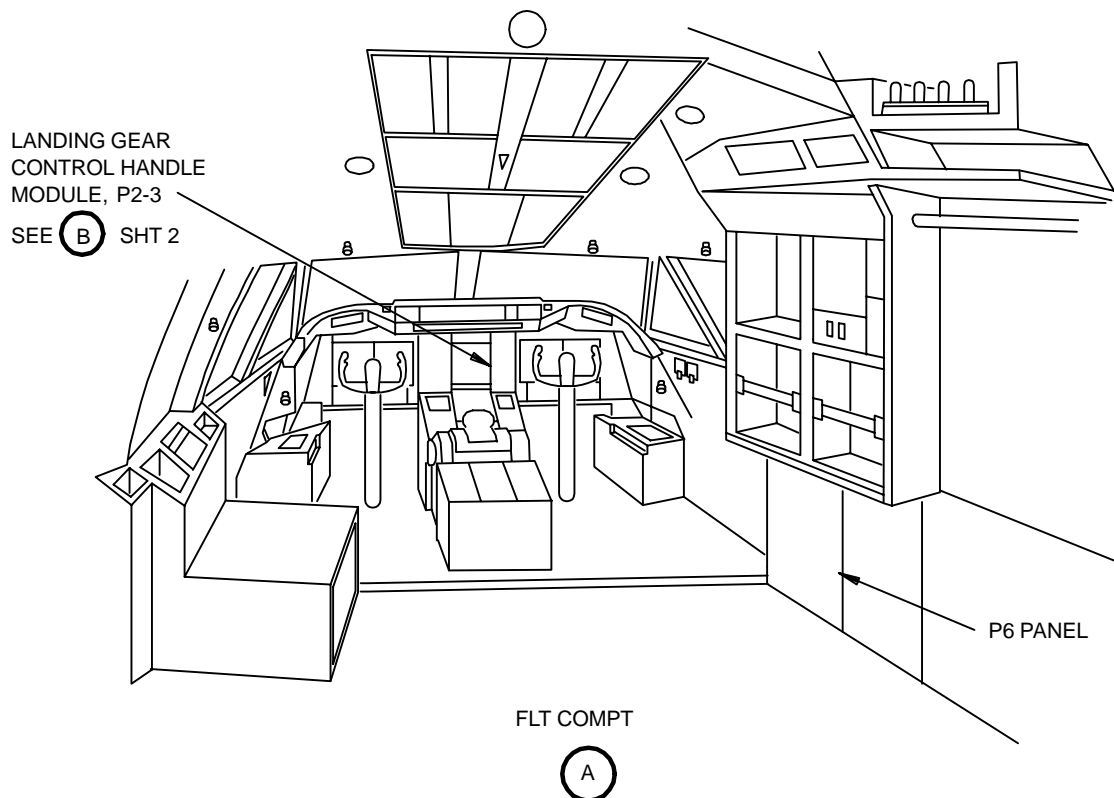
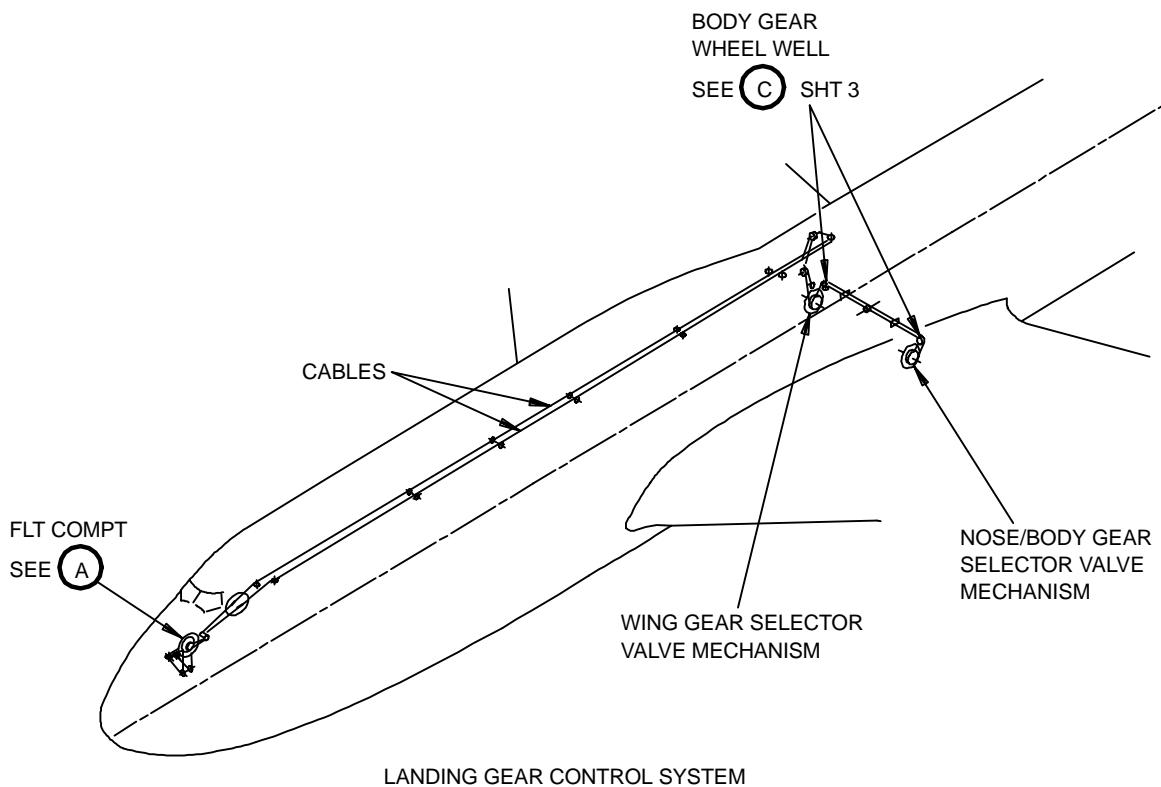
* SEE WM EQUIPMENT LIST

Landing Gear Control System - Component Index
Figure 101

Figure 59 32-31 Landing Gear Control Sys. Comp. Index Fig. 101

577190





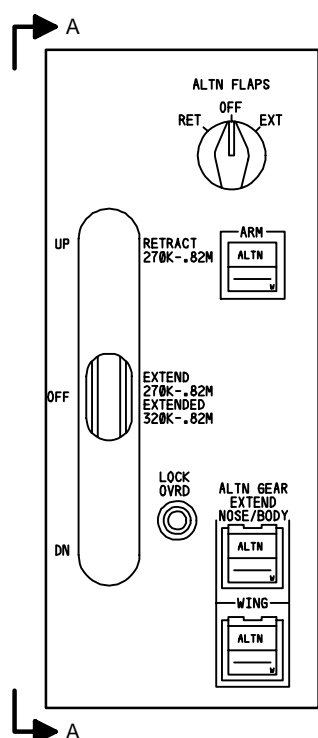
Landing Gear Control System - Component Location

Figure 102 (Sheet 1)

575171

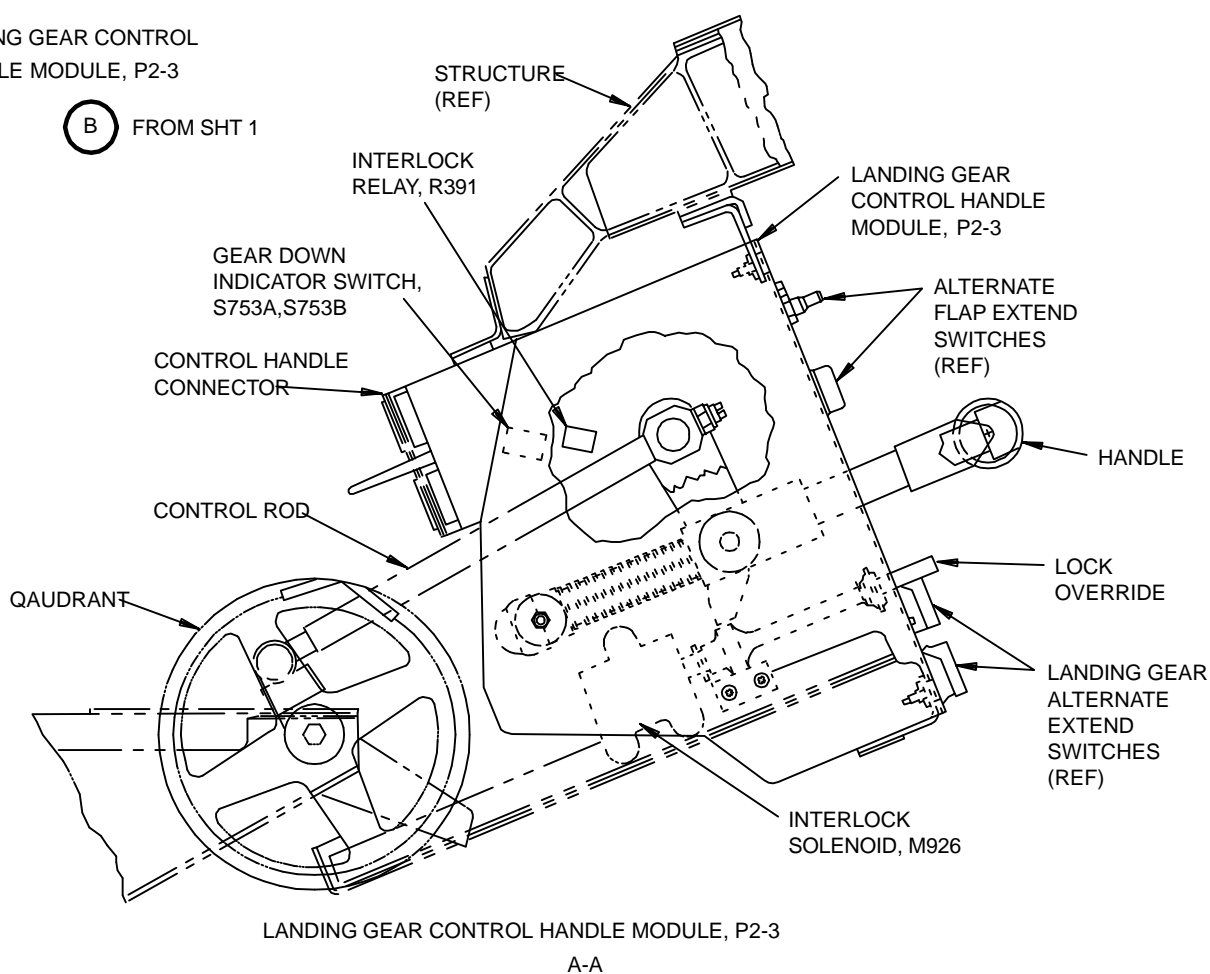
Figure 60 32-31 Landing Gear Control Sys. Comp. Location Fig. 102 (Sheet 1)





LANDING GEAR CONTROL
HANDLE MODULE, P2-3

(B) FROM SHT 1



LANDING GEAR CONTROL HANDLE MODULE, P2-3

A-A

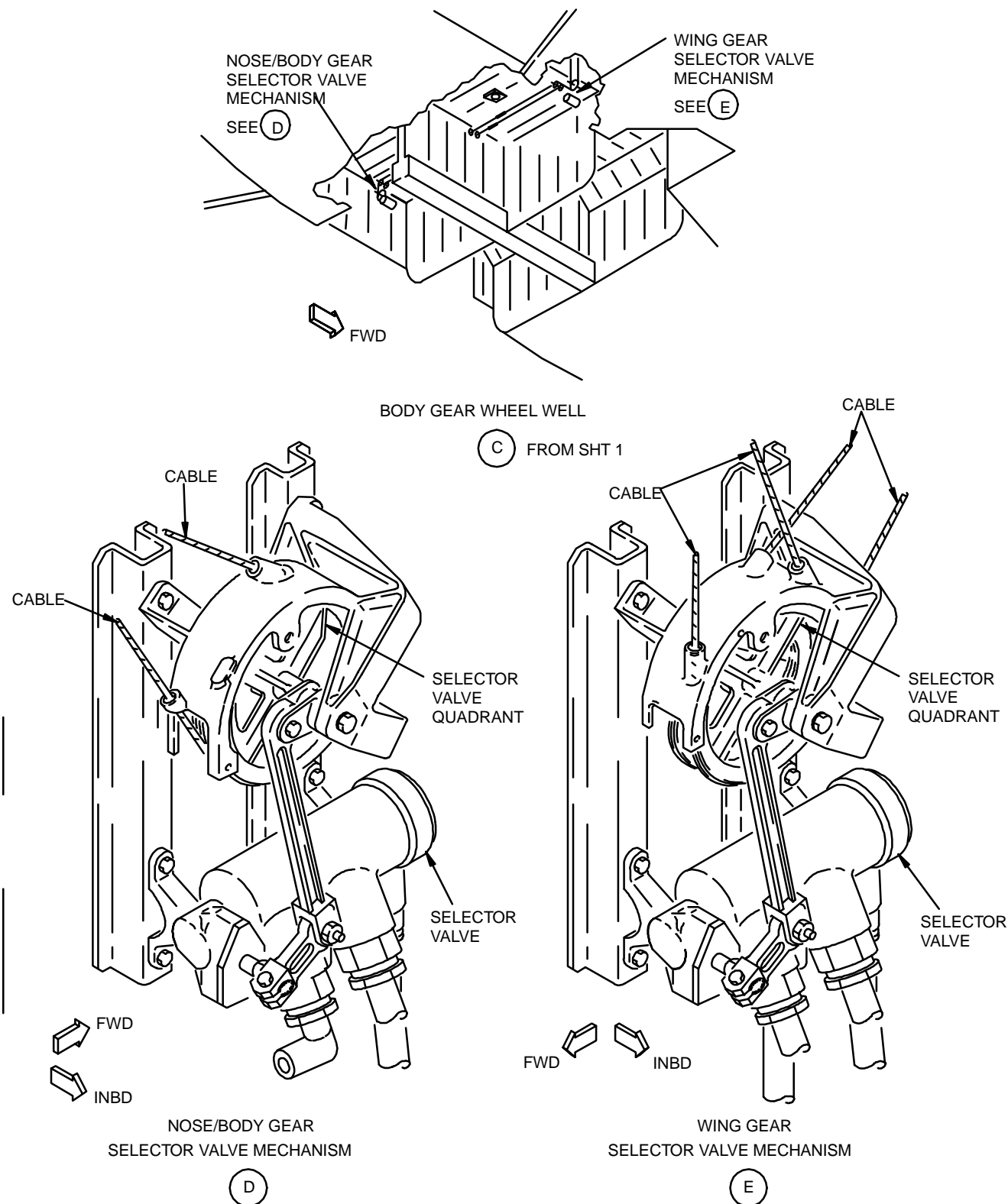
Landing Gear Control System - Component Location

Figure 102 (Sheet 2)

575180

Figure 61 32-31 Landing Gear Control Sys. Comp. Location Fig. 102 (Sheet 2)





Landing Gear Control System - Component Location
Figure 102 (Sheet 3)

575194

Figure 62 32-31 Landing Gear Control Sys. Comp. Location Fig. 102 (Sheet 3)



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32-32 WING GEAR AND DOOR EXTENSION / RETRACTION

COMPONENT INDEX AND LOCATION



WING GEAR AND DOOR EXTENSION AND RETRACTION

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ACTUATOR - DOOR	2	2	L, R WING GEAR WHEEL WELLS	32-32-27
ACTUATOR - DOWNLOCK	1	2	L, R WING GEAR	32-32-15
ACTUATOR - GEAR	1	2	L, R WING GEAR	32-32-01
ACTUATOR - UPLOCK	3	2	L, R WING GEAR WHEEL WELL, UPLOCK OPERATED SEQUENCE VALVE AND MECHANISM	32-32-14
BEAM - DOOR ACTUATOR	2	2	L, R WING GEAR, L OR R DOOR ACTUATOR	32-32-28
BUNGEE - DOWNLOCK	1	2	L, R WING GEAR	32-32-16
JOINT - DOOR ACTUATOR SWIVEL	2	2	L, R WING GEAR WHEEL WELL, L OR R DOOR ACTUATOR	32-32-26
MECHANISM - DOOR OPERATED SEQUENCE VALVE	3	2	L, R WING GEAR WHEEL WELL	32-32-03
MECHANISM - DOWNLOCK OPERATED SEQUENCE VALVE	1	2	L, R WING GEAR WHEEL WELL	32-32-04
MECHANISM - UPLOCK OPERATED SEQUENCE VALVE	3	2	L, R WING GEAR WHEEL WELL	32-32-06
VALVE - DOOR OPERATED SEQUENCE	3	2	L, R WING GEAR WHEEL WELL	32-32-02
VALVE - DOOR SAFETY	4	2	L, R WING GEAR WHEEL WELL	32-32-29
VALVE - DOWNLOCK OPERATED SEQUENCE	1	2	L, R WING GEAR WHEEL WELL	32-32-04
VALVE - PRESSURE OPERATED RESTRICTOR CHECK	5	2	L, R WING GEAR WHEEL WELL	32-32-07
VALVE - UPLOCK OPERATED SEQUENCE	3	2	L, R WING GEAR WHEEL WELL	32-32-06

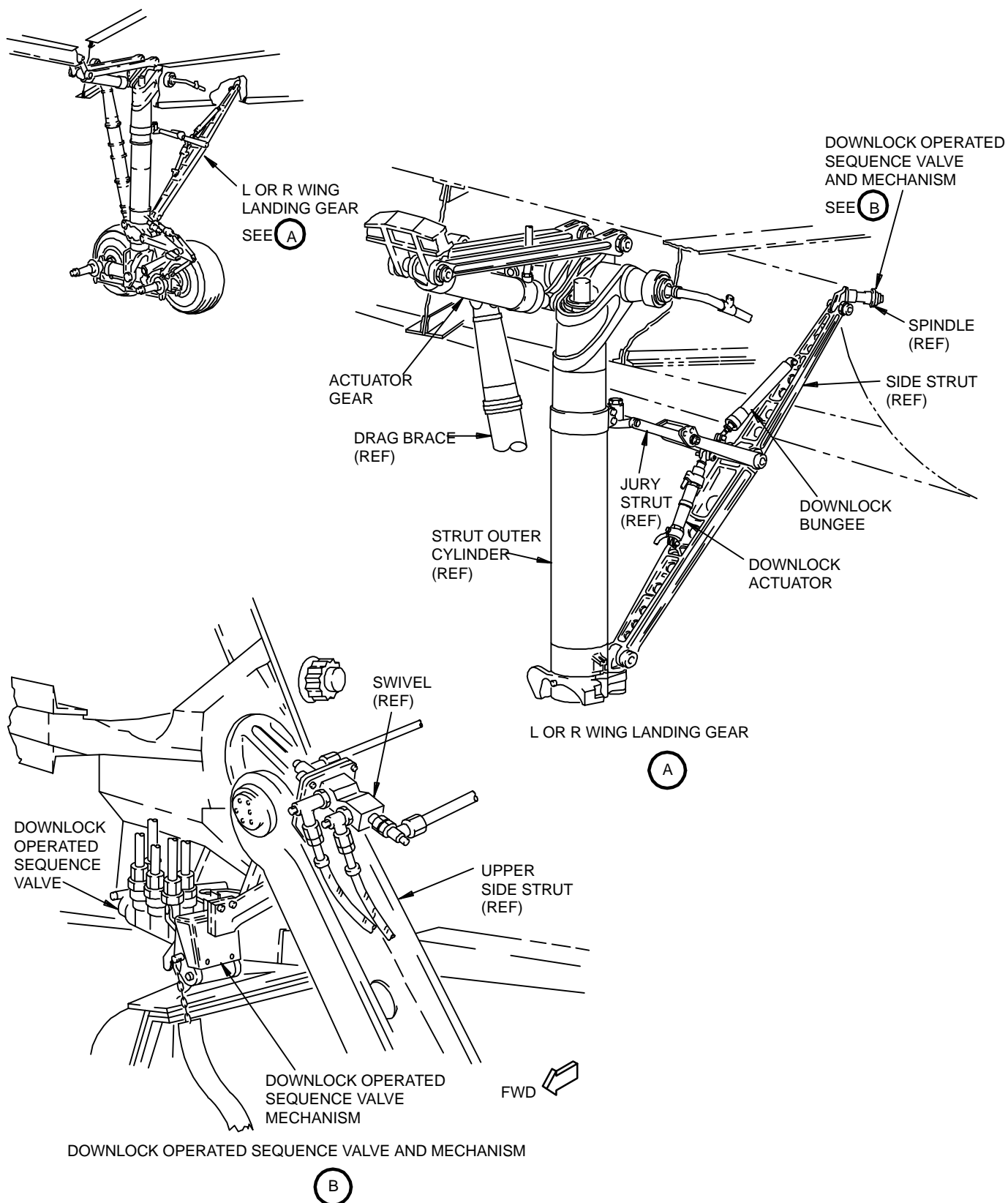
* SEE THE WDM EQUIPMENT LIST

Wing Gear and Door Extension and Retraction - Component Index
Figure 101

Figure 63 32-32 Wing Gear and Door Ext./Ret. Comp. Index Fig. 101

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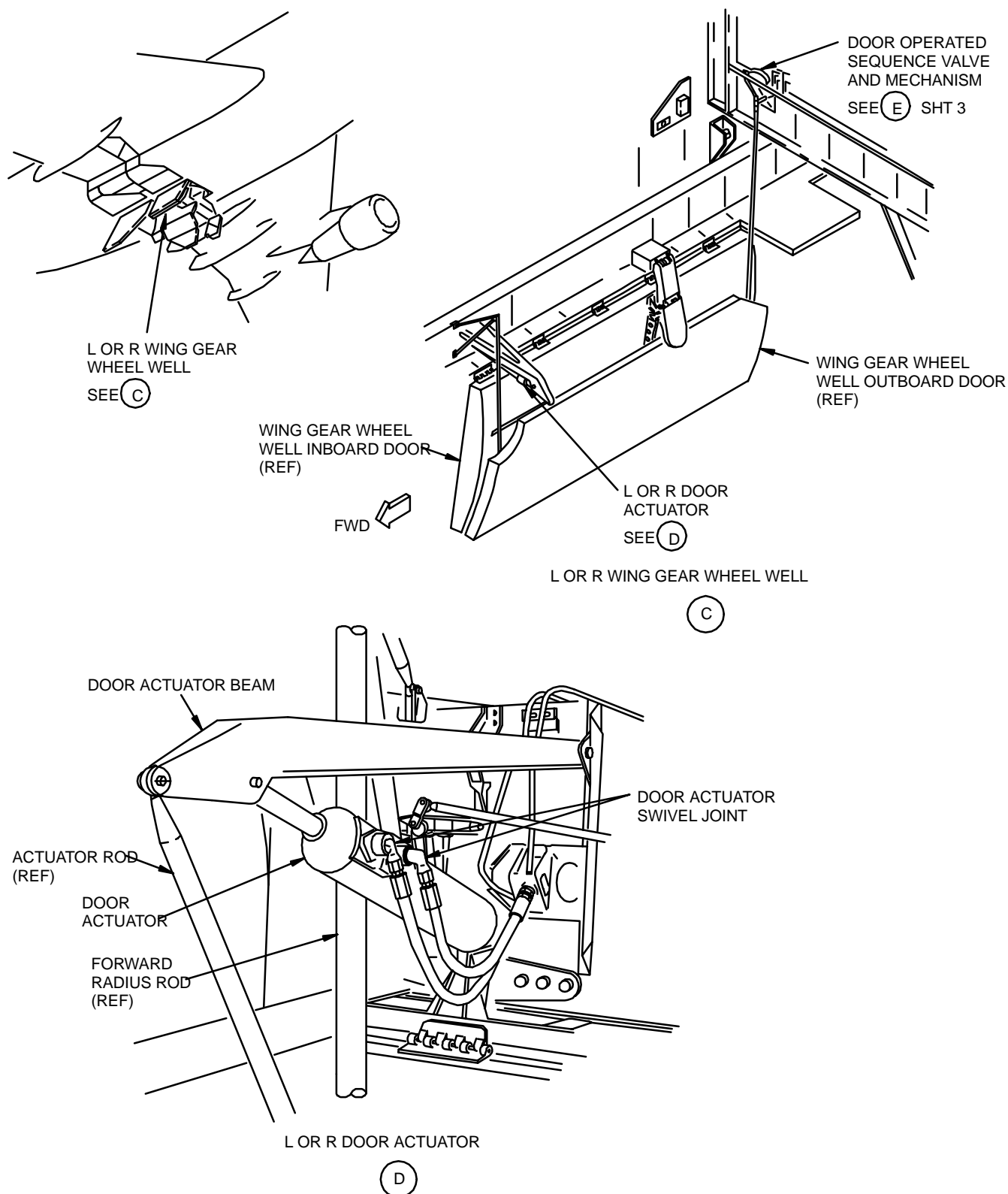


Wing Gear and Door Extension and Retraction - Component Location
Figure 102 (Sheet 1)

575199

Figure 64 32-32 Wing Gear and Door Ext./Ret. Comp. Location Fig. 102 (Sheet 1)



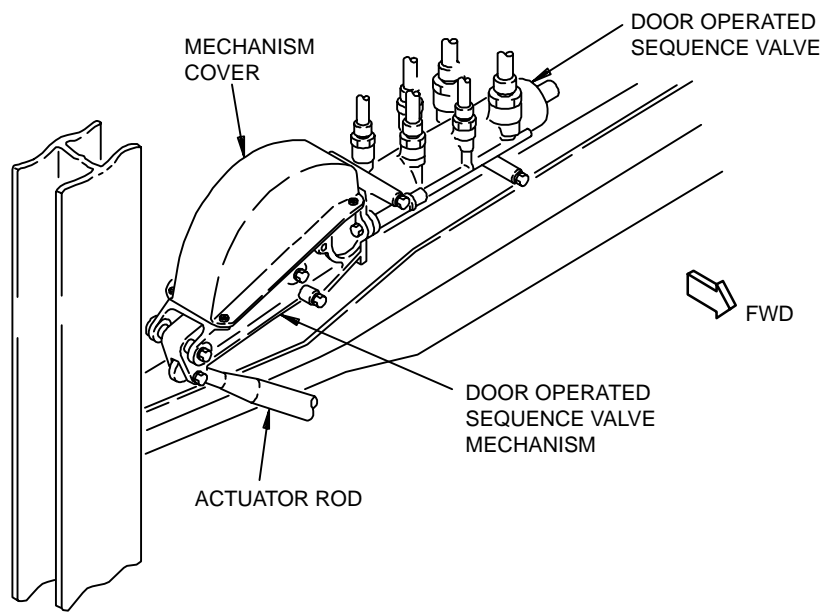


Wing Gear and Door Extension and Retraction - Component Location
Figure 102 (Sheet 2)

Figure 65 32-32 Wing Gear and Door Ext./Ret. Comp. Location Fig. 102 (Sheet 2)

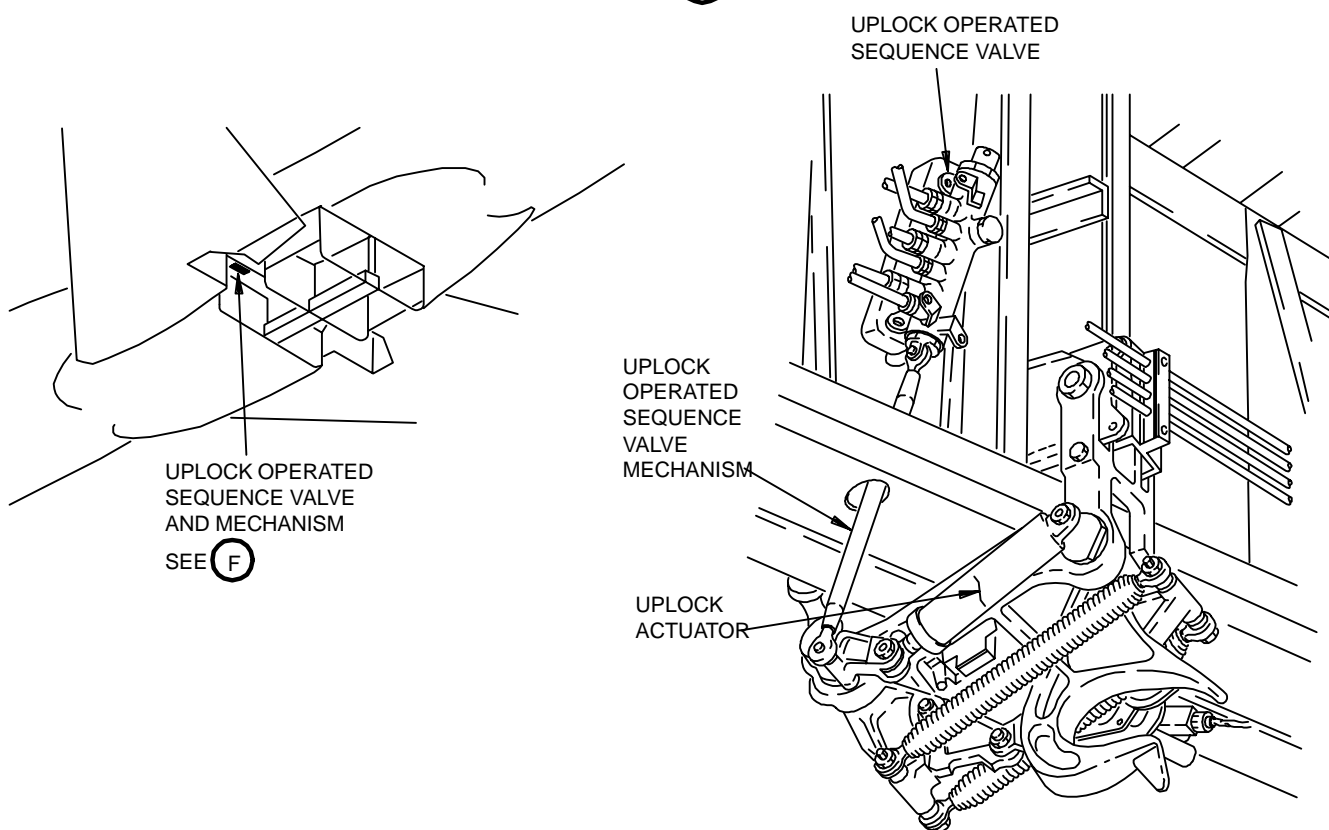
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DOOR OPERATED SEQUENCE VALVE AND MECHANISM

(E) FROM SHT 2



UPLOCK OPERATED SEQUENCE VALVE AND MECHANISM

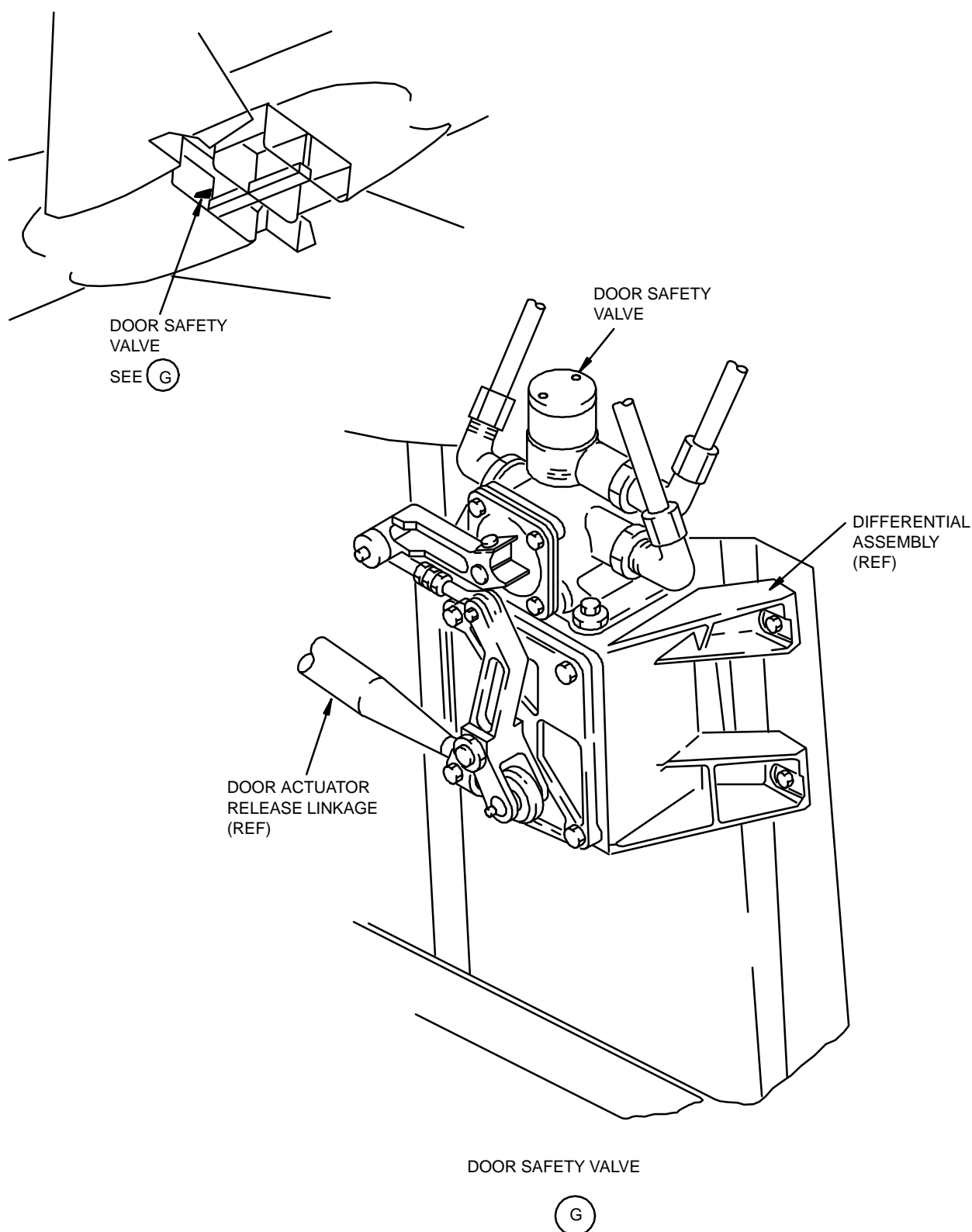
(F)

Wing Gear and Doors Extension and Retraction - Component Location
Figure 102 (Sheet 3)

575208

Figure 66 32-32 Wing Gear and Doors Ext./Ret. Comp. Location Fig. 102 (Sheet 3)





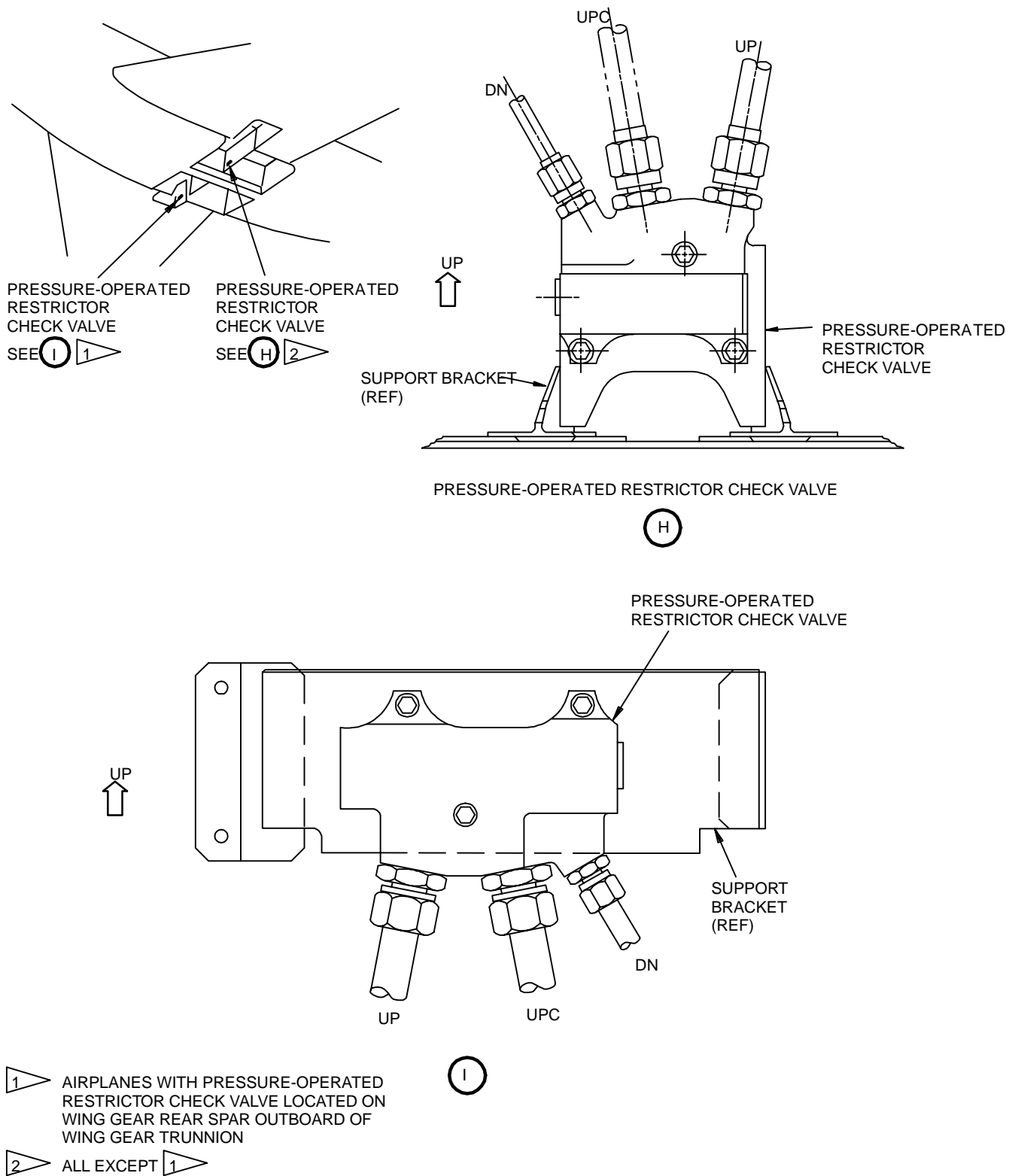
Wing Gear and Door Extension and Retraction - Component Location

Figure 102 (Sheet 4)

575370

Figure 67 32-32 Wing Gear and Door Ext./Ret. Comp. Location Fig. 102 (Sheet 4)





Wing Gear and Door Extension and Retraction - Component Location
Figure 102 (Sheet 5)

663142

Figure 68 32-32 Wing Gear and Door Ext./Ret. Comp. Location Fig. 102 (Sheet 5)

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32-33 BODY GEAR AND DOOR EXTENSION / RETRACTION

COMPONENT INDEX AND LOCATION



BODY GEAR AND DOOR EXTENSION AND RETRACTION

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ACTUATOR - DOOR	2	2	L, R BODY GEAR WHEEL WELL	32-33-27
ACTUATOR - DOWNLOCK	1	2	L, R BODY GEAR	32-33-15
ACTUATOR - GEAR	1	2	L, R BODY GEAR	32-33-01
ACTUATOR - UPLOCK	2	2	L, R BODY GEAR WHEEL WELL, UPLOCK MECHANISM	32-33-14
BEAM - DOOR ACTUATOR	3	2	L, R BODY GEAR WHEEL WELL, DOOR ACTUATOR	32-33-28
BUNGEE - DOWNLOCK	1	2	L, R BODY GEAR	32-33-16
JOINT - DOOR ACTUATOR SWIVEL	3	2	L, R BODY GEAR WHEEL WELL, DOOR ACTUATOR	32-33-26
MECHANISM - DOOR OPERATED SEQUENCE VALVE	3	2	L, R BODY GEAR WHEEL WELL	32-33-02
MECHANISM - DOWNLOCK OPERATED SEQUENCE VALVE	1	2	L, R BODY GEAR WHEEL WELL	32-33-04
MECHANISM - UPLOCK	1	2	L, R BODY GEAR WHEEL WELL	32-33-08
MECHANISM - UPLOCK OPERATED SEQUENCE VALVE	2	2	L, R BODY GEAR WHEEL WELL, UPLOCK MECHANISM	32-33-07
VALVE - DOOR OPERATED SEQUENCE	3	2	L, R BODY GEAR WHEEL WELL	32-33-02
VALVE - DOOR SAFETY	3	2	L, R BODY GEAR WHEEL WELL	32-33-29
VALVE - DOWNLOCK OPERATED SEQUENCE	1	2	L, R BODY GEAR WHEEL WELL	32-33-04
VALVE - UPLOCK OPERATED SEQUENCE	2	2	L, R BODY GEAR WHEEL WELL, UPLOCK MECHANISM	32-33-06

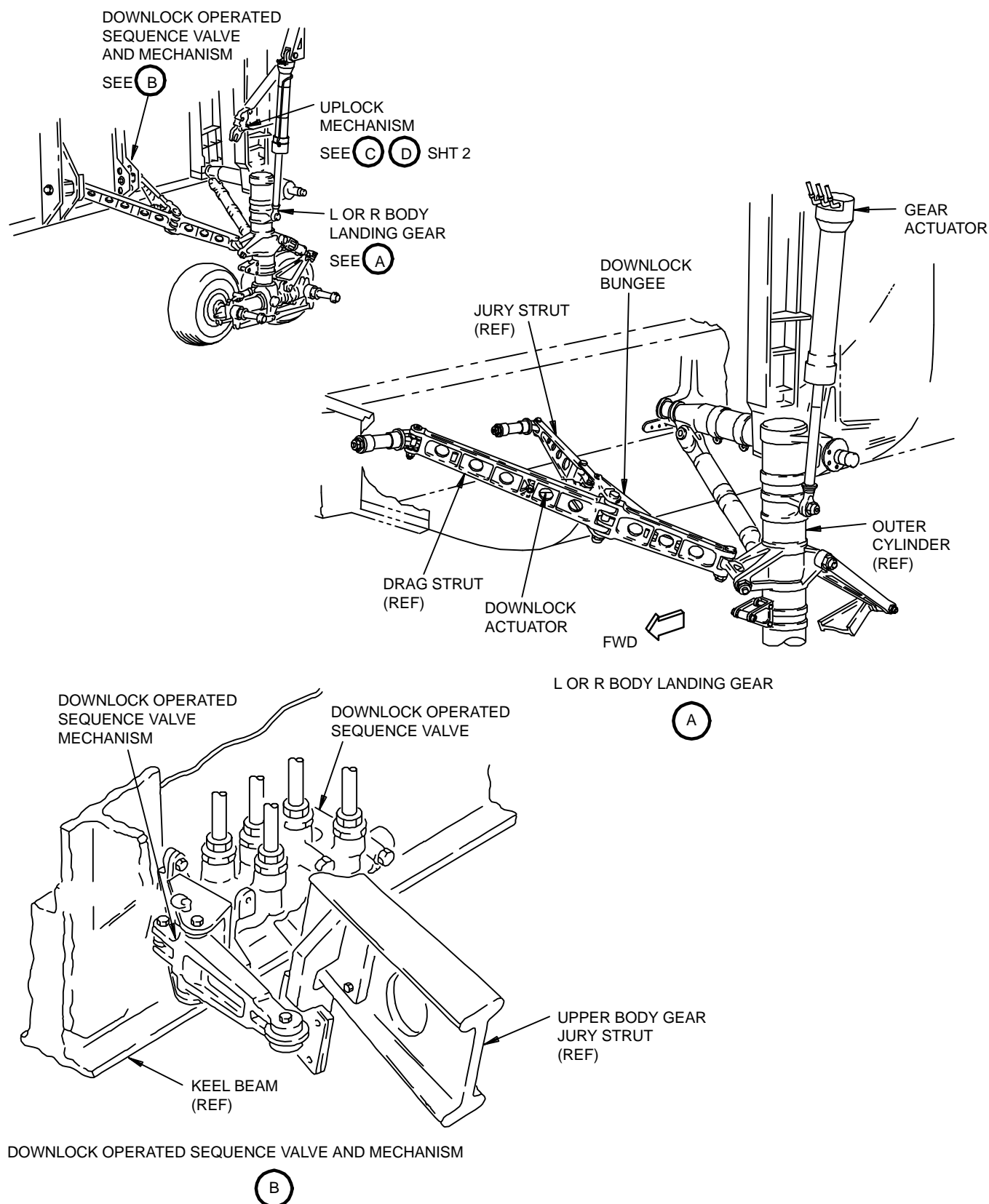
* SEE WM EQUIPMENT LIST

Body Gear and Door Extension and Retraction - Component Index
Figure 101

Figure 69 32-33 Body Gear and Door Ext./Ret. Comp. Index Fig. 101

577194



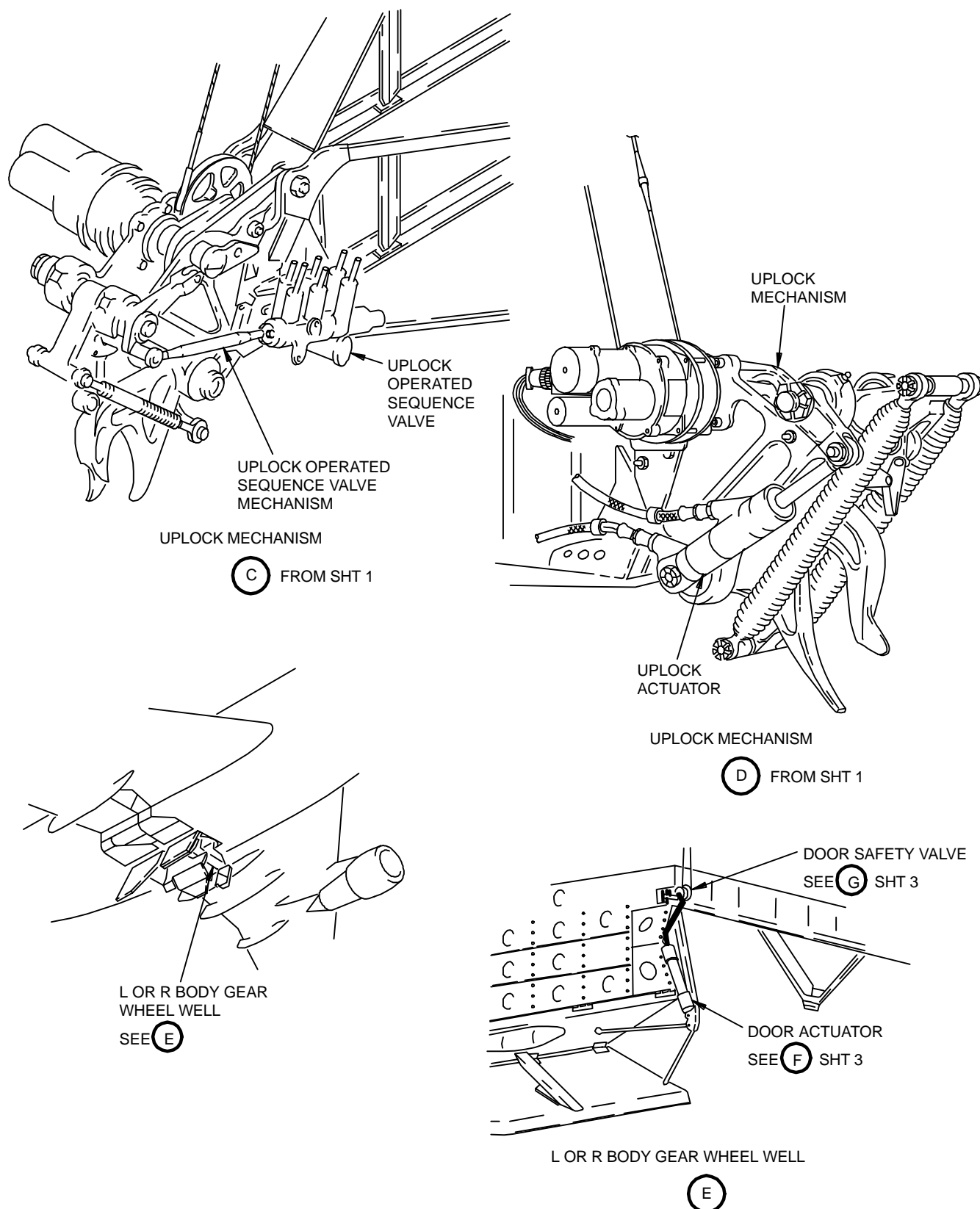


Body Gear and Door Extension and Retraction - Components Location
Figure 102 (Sheet 1)

575386

Figure 70 32-33 Body Gear and Door Ext./Ret. Comp. Location Fig. 102 (Sheet 1)



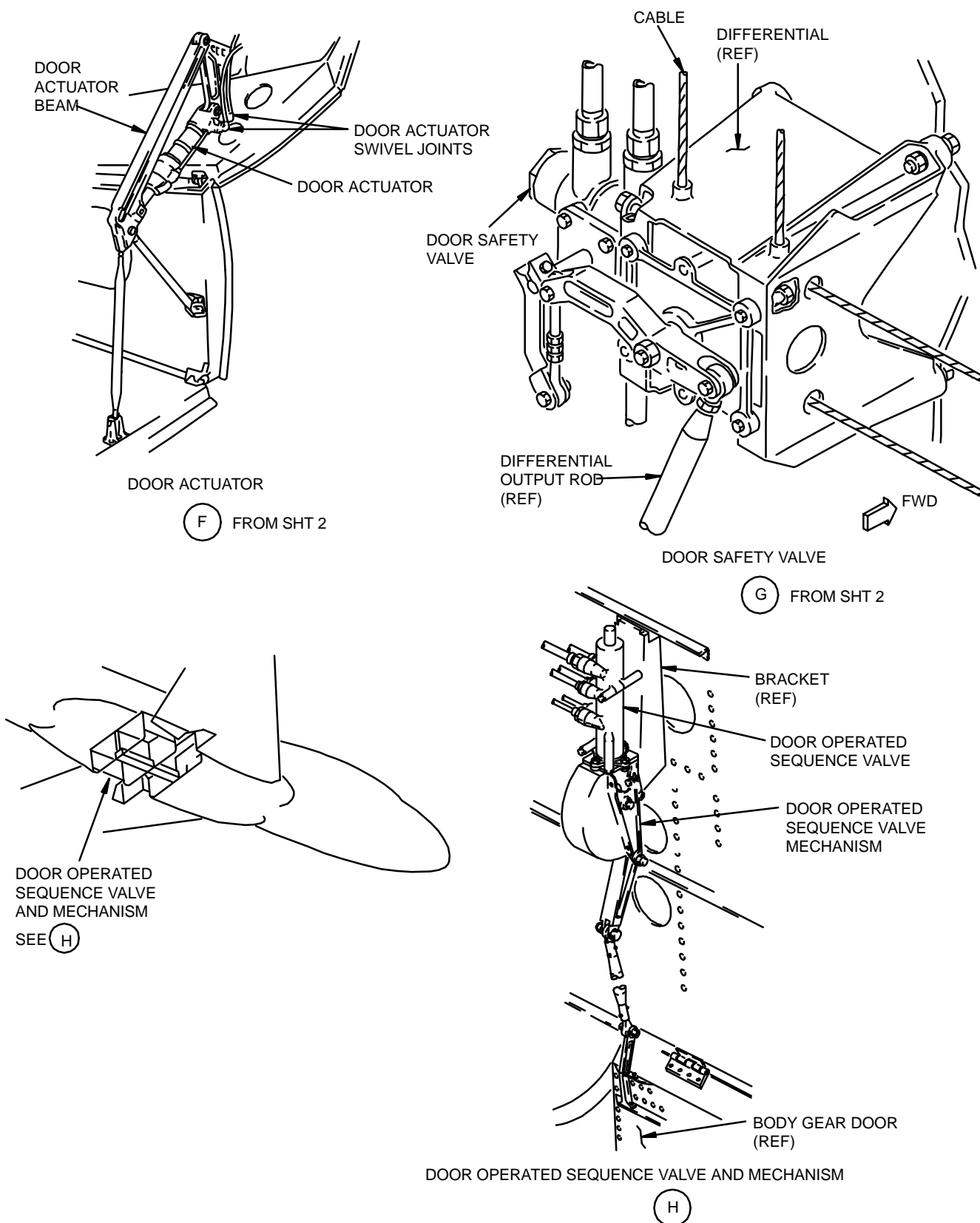


Body Gear and Door Extension and Retraction - Component Location
Figure 102 (Sheet 2)

Figure 71 32-33 Body Gear and Door Ext./Ret. Comp. Location Fig. 102 (Sheet 2)

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Body Gear and Door Extension and Retraction - Component Location
Figure 102 (Sheet 3)

575692

Figure 72 32-33 Body Gear and Door Ext./Ret. Comp. Location Fig. 102 (Sheet 3)



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32-34 NOSE GEAR EXTENSION / RETRACTION

COMPONENT INDEX AND LOCATION



NOSE GEAR EXTENSION AND RETRACTION

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ACTUATOR - DOOR	1	1	NOSE GEAR WHEEL WELL	32-34-14
ACTUATOR - LOCK	1	1	NOSE LANDING GEAR	32-34-03
ACTUATOR - RETRACT	1	1	NOSE LANDING GEAR	32-34-01
BUNGEE - LOCK SPRING	1	2	NOSE LANDING GEAR, LOCKING MECHANISM	32-34-04
JOINT - LOCK ACTUATOR SWIVEL	1	2	NOSE LANDING GEAR, LOCK ACTUATOR	32-34-09
MECHANISM - DOOR OPERATED SEQUENCE VALVE	3	1	NOSE GEAR WHEEL WELL	32-34-06
MECHANISM - GEAR OPERATED SEQUENCE VALVE	3	1	NOSE LANDING GEAR	32-34-08
MECHANISM - LOCKING	1	1	NOSE LANDING GEAR	32-34-02
VALVE - DOOR OPERATED SEQUENCE	3	1	NOSE GEAR WHEEL WELL	32-34-05
VALVE - DOOR SAFETY	1	1	NOSE GEAR WHEEL WELL	32-34-15
VALVE - GEAR OPERATED DOOR SEQUENCE	3	1	NOSE LANDING GEAR	32-34-07

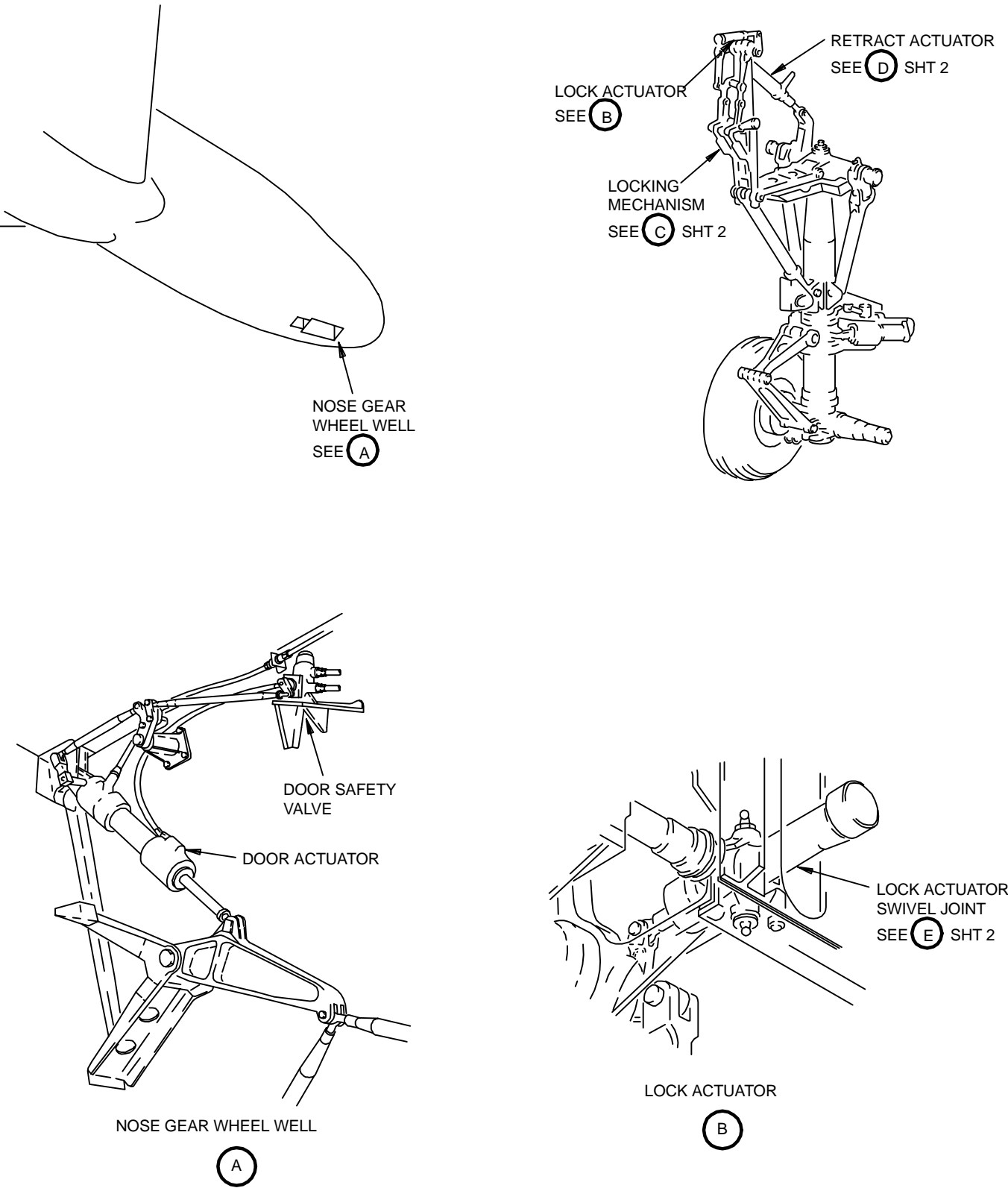
* SEE WM EQUIPMENT LIST

Nose Gear Extension and Retraction - Component Index
Figure 101

Figure 73 32-34 Nose Gear Ext./Ret. Comp Index Fig. 101

576984

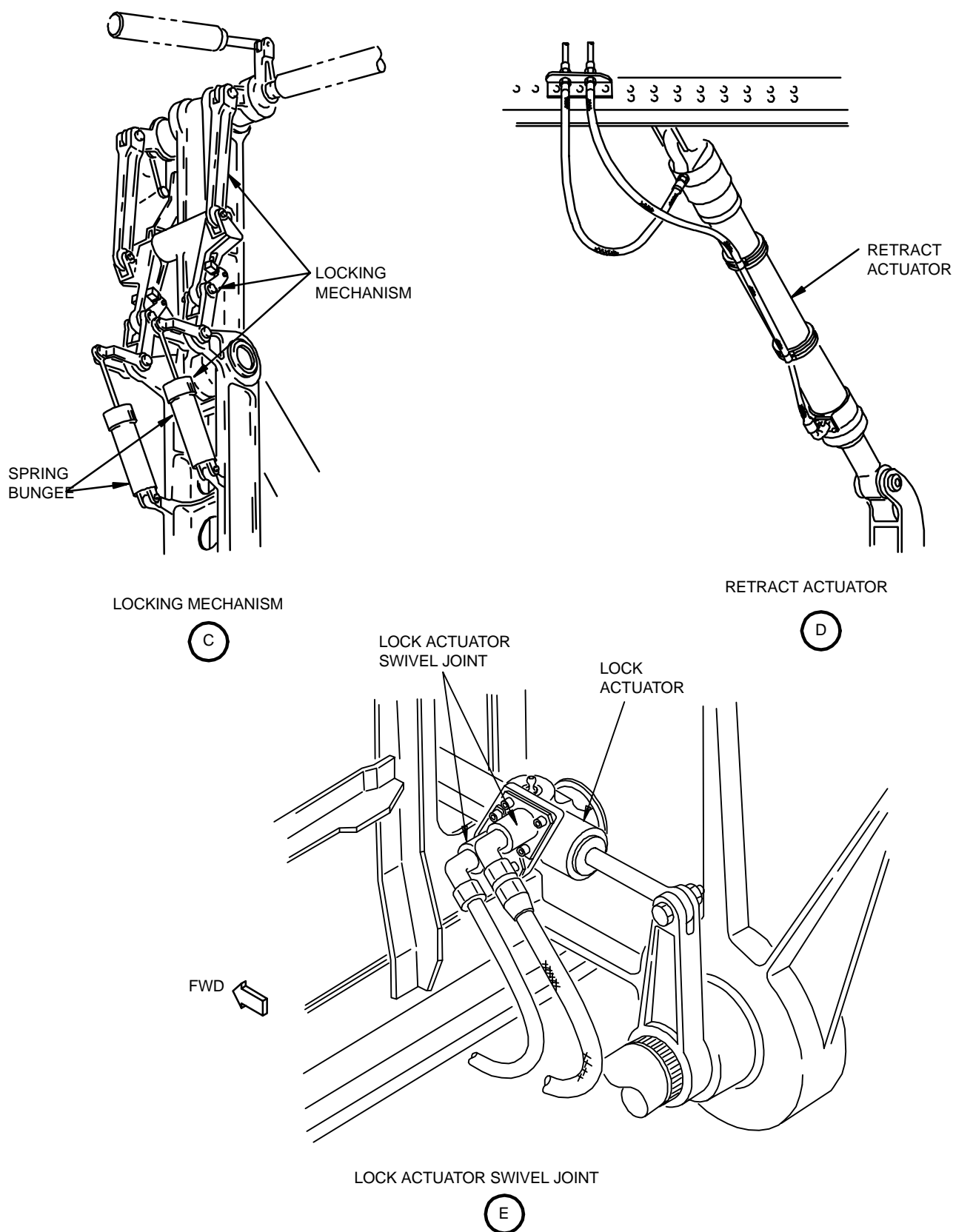




Nose Gear Extension and Retraction - Component Location
Figure 102 (Sheet 1)

575368

Figure 74 32-34 Nose Gear Ext./Ret. Comp. Location Fig. 102 (Sheet 1)

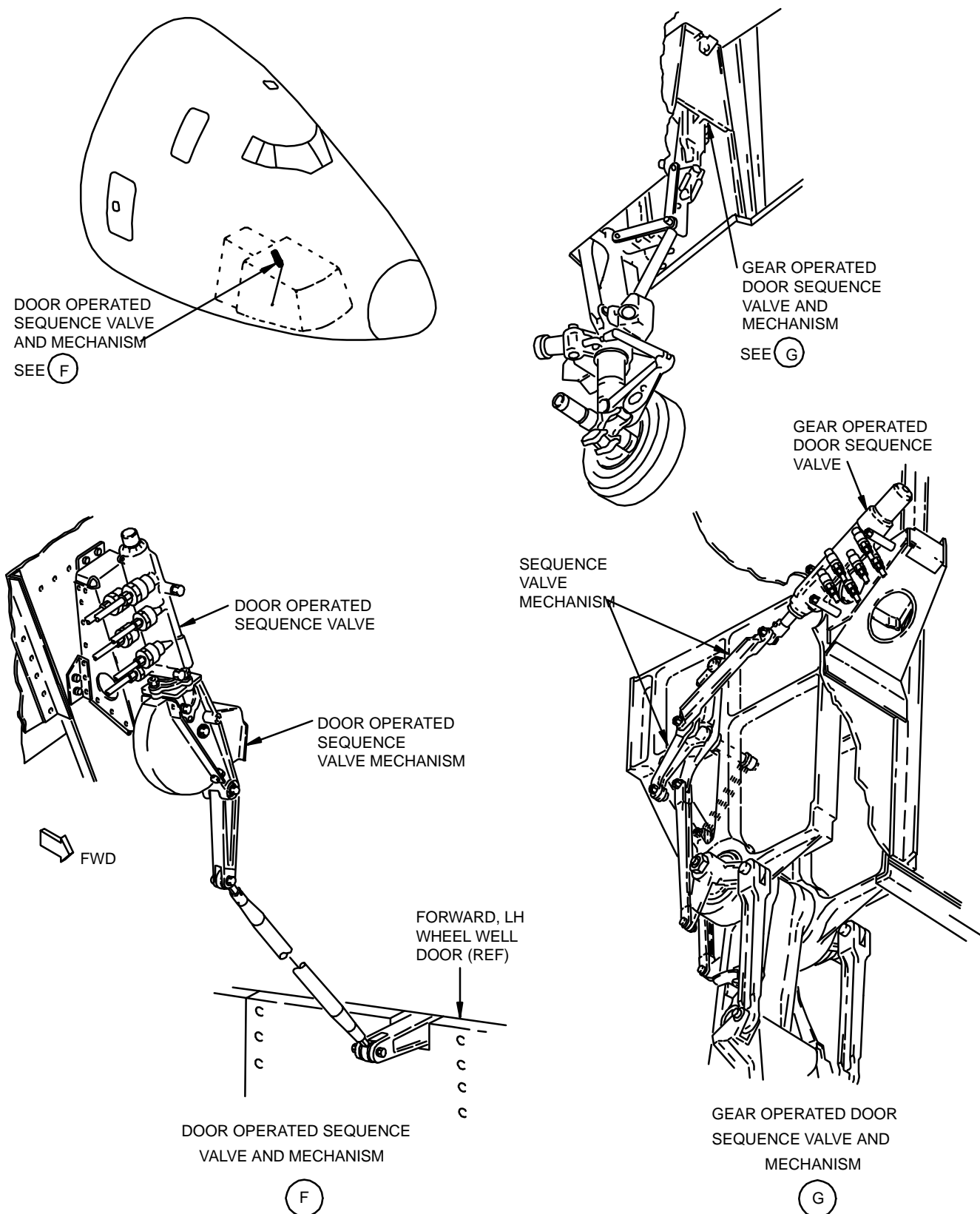


Nose Gear Extension and Retraction - Component Location

Figure 102 (Sheet 2)

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Figure 75 32-34 Nose Gear Ext./Ret. Comp. Location Fig. 102 (Sheet 2)



Nose Gear Extension and Retraction - Component Location
Figure 102 (Sheet 3)

Figure 76 32-34 Nose Gear Ext./Ret. Comp. Location Fig. 102 (Sheet 3)

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32-35 NOSE / BODY GEAR ALTERNATE EXTENSION SYS.

COMPONENT INDEX AND LOCATION

NOSE AND BODY GEAR ALTERNATE EXTENSION SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ACTUATOR - BODY GEAR ELECTRIC, M87,M88	5	2	L, R BODY GEAR WHEEL WELL, BODY GEAR UPLOCK MECHANISM	32-35-01
ACTUATOR - NOSE GEAR ALTERNATE, M85	2	1	BETWEEN NOSE GEAR WHEEL WELL AND FUSELAGE, LH, NOSE GEAR DRIVE UNIT ASSEMBLY	32-35-02
CIRCUIT BREAKERS -	1		FLT COMPT, P6	
L BODY ALT LANDING GEAR EXTENSION, C31		1	6C31	*
R BODY ALT LANDING GEAR EXTENSION, C32		1	6C32	*
NOSE ALT LANDING GEAR EXTENSION, C605		1	6C28	*
DIFFERENTIAL - BODY GEAR	5	1	L, R BODY GEAR WHEEL WELL, BODY GEAR DOOR SAFETY MODULAR ASSEMBLY	32-35-07
MECHANISM - BODY GEAR DOOR ACTUATOR RELEASE	5	1	L, R BODY GEAR WHEEL WELL, BODY GEAR DOOR SAFETY MODULAR ASSEMBLY	32-35-08
MECHANISM - NOSE GEAR DOOR UNLOCK AND SAFETY VALVE	2	1	NOSE GEAR WHEEL WELL	32-35-04
MECHANISM - NOSE GEAR GROUND DOOR RELEASE	2	1	NOSE GEAR WHEEL WELL	32-35-03
RELAY - (REF 31-01-36, FIG. 101)				
L BODY GEAR ALT EXT, R7504,R7508				
RELAY - (REF 31-01-39, FIG. 101)				
R BODY GEAR ALT EXT, R7505,R7506				
NOSE GEAR ALT EXT, R7507,R7509				
STRUT - NOSE GEAR SPRING	2	1	BETWEEN NOSE GEAR WHEEL WELL AND FUSELAGE, LH	32-35-06
SWITCH - ALT NOSE/BODY EXTEND, S1867	1	1	FLT COMPT, P2-3	*
SWITCH - DRIVE UNIT NOSE GEAR, S971	2	1	BETWEEN NOSE GEAR WHEEL WELL AND FUSELAGE, LH, NOSE GEAR DRIVE UNIT ASSEMBLY	*
UNIT - NOSE GEAR DRIVE	2	1	BETWEEN NOSE GEAR WHEEL WELL AND FUSELAGE, LH, NOSE GEAR DRIVE UNIT ASSEMBLY	32-35-05
VALVE - BODY GEAR DOOR SAFETY	5	2	L, R BODY GEAR WHEEL WELL, BODY GEAR DOOR SAFETY MODULAR ASSEMBLY	32-35-07
VALVE - NOSE GEAR DOOR SAFETY	3	1	NOSE GEAR WHEEL WELL, NOSE GEAR SAFETY VALVE AND DOOR UNLOCK MECHANISM	32-35-04

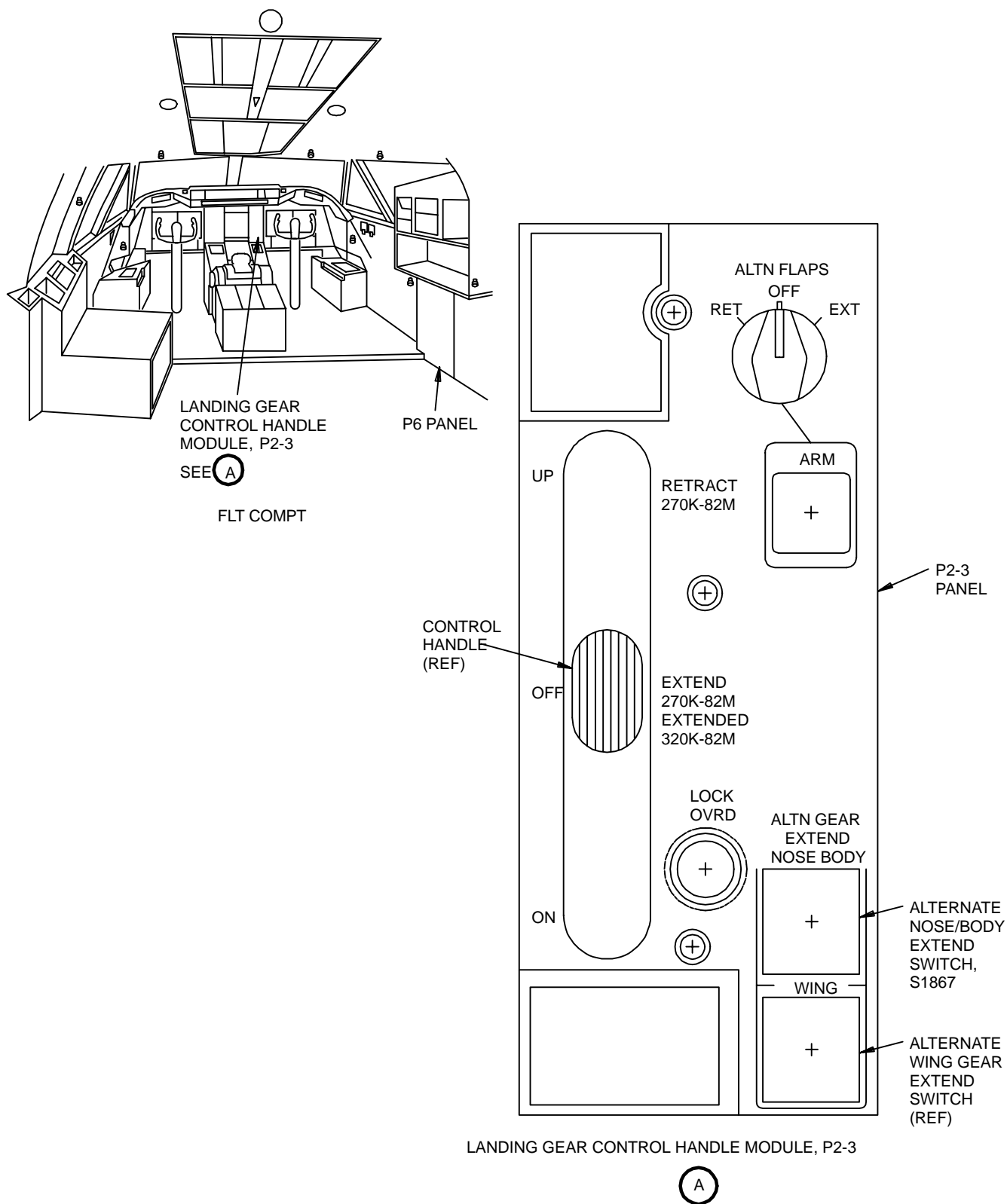
* SEE WM EQUIPMENT LIST

Nose and Body Gear Alternate Extension System - Component Index
Figure 101

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Figure 77 32-35 Nose/Body Gear Alt. Ext. Sys. Comp. Index Fig. 101



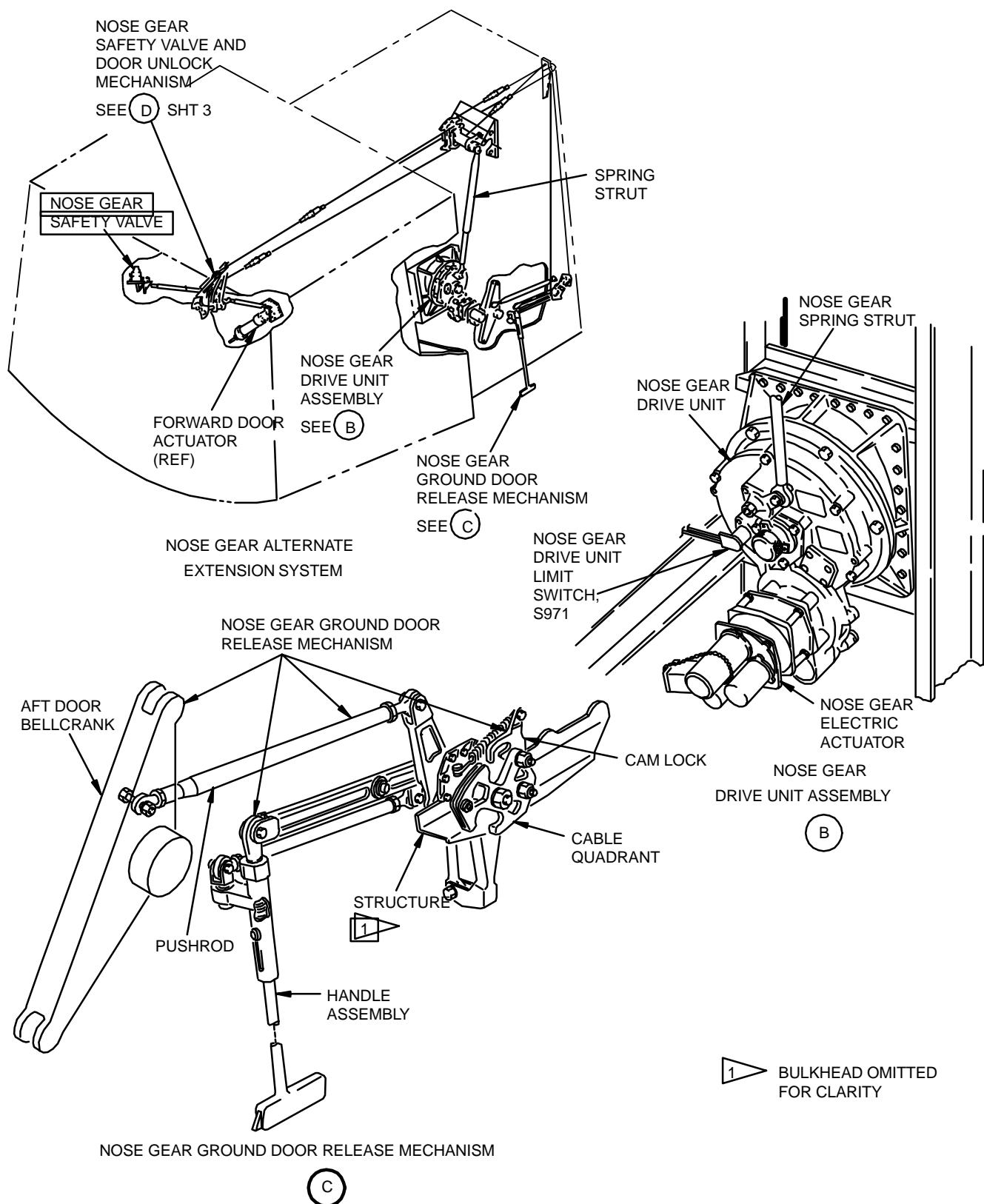


Nose and Body Gear Alternate Extension System - Component Location
Figure 102 (Sheet 1)

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Figure 78 32-35 Nose/Body Gear Alt. Ext. Sys. Comp. Location Fig. 102 (Sheet 1)



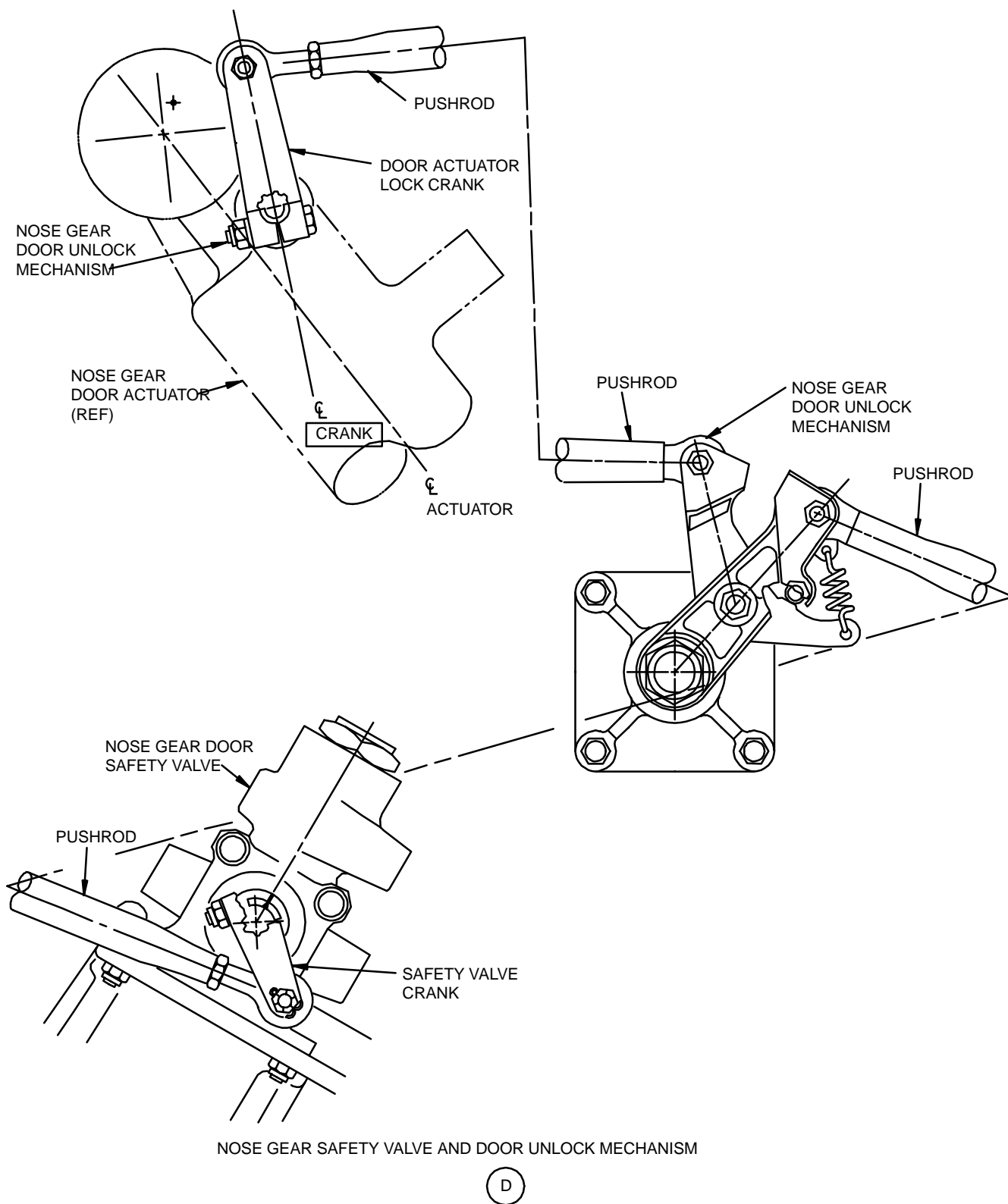


Nose and Body Gear Alternate Extension System - Component Location
Figure 102 (Sheet 2)

Figure 79 32-35 Nose/Body Gear Alt. Ext. Sys. Comp. Location Fig. 102 (Sheet 2)

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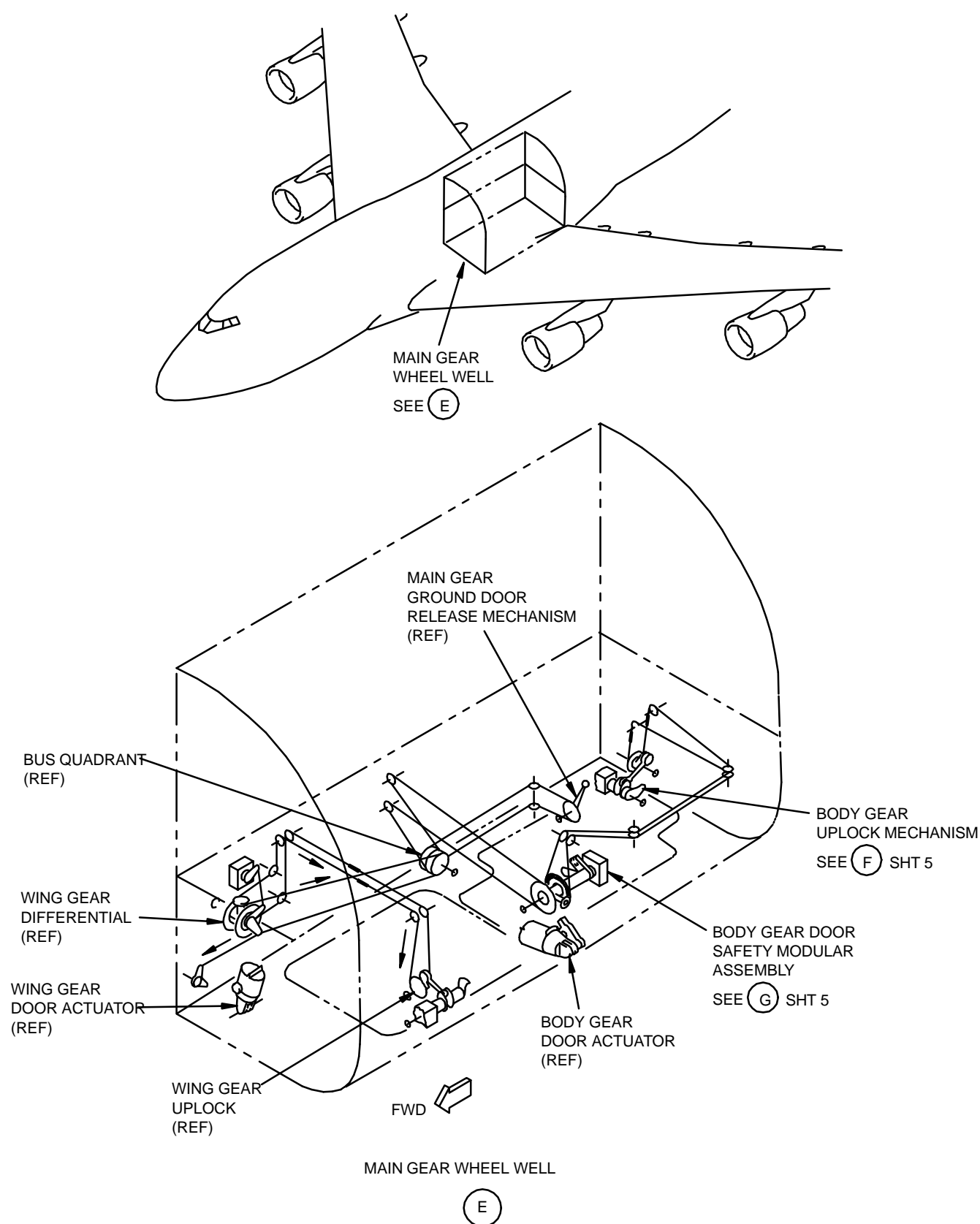


Nose and Body Gear Alternate Extension
System - Component Location (Detail from Sht 2)
Figure 102 (Sheet 3)

575707

Figure 80 32-35 Nose/Body Gear Alt. Ext. Sys. Comp. Location Fig. 102 (Sheet 3)



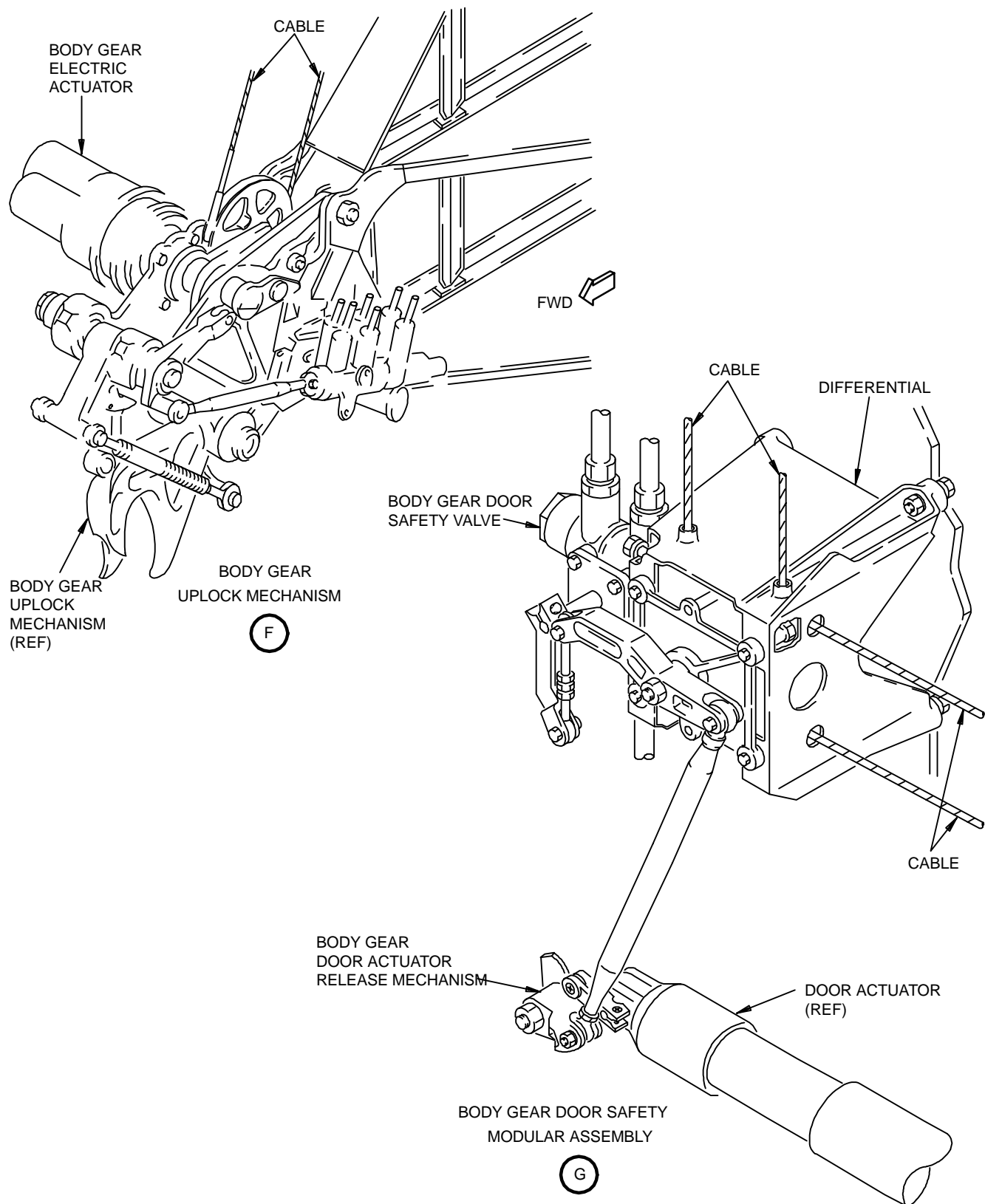


Nose and Body Gear Alternate Extension - Component Location

Figure 102 (Sheet 4)

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Figure 81 32-35 Nose/Body Gear Alt. Ext. Sys. Comp. Location Fig. 102 (Sheet 4)



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32-36

WING GEAR ALTERNATE EXTENSION SYSTEM

COMPONENT INDEX AND LOCATION

WING GEAR ALTERNATE EXTENSION SYSTEM

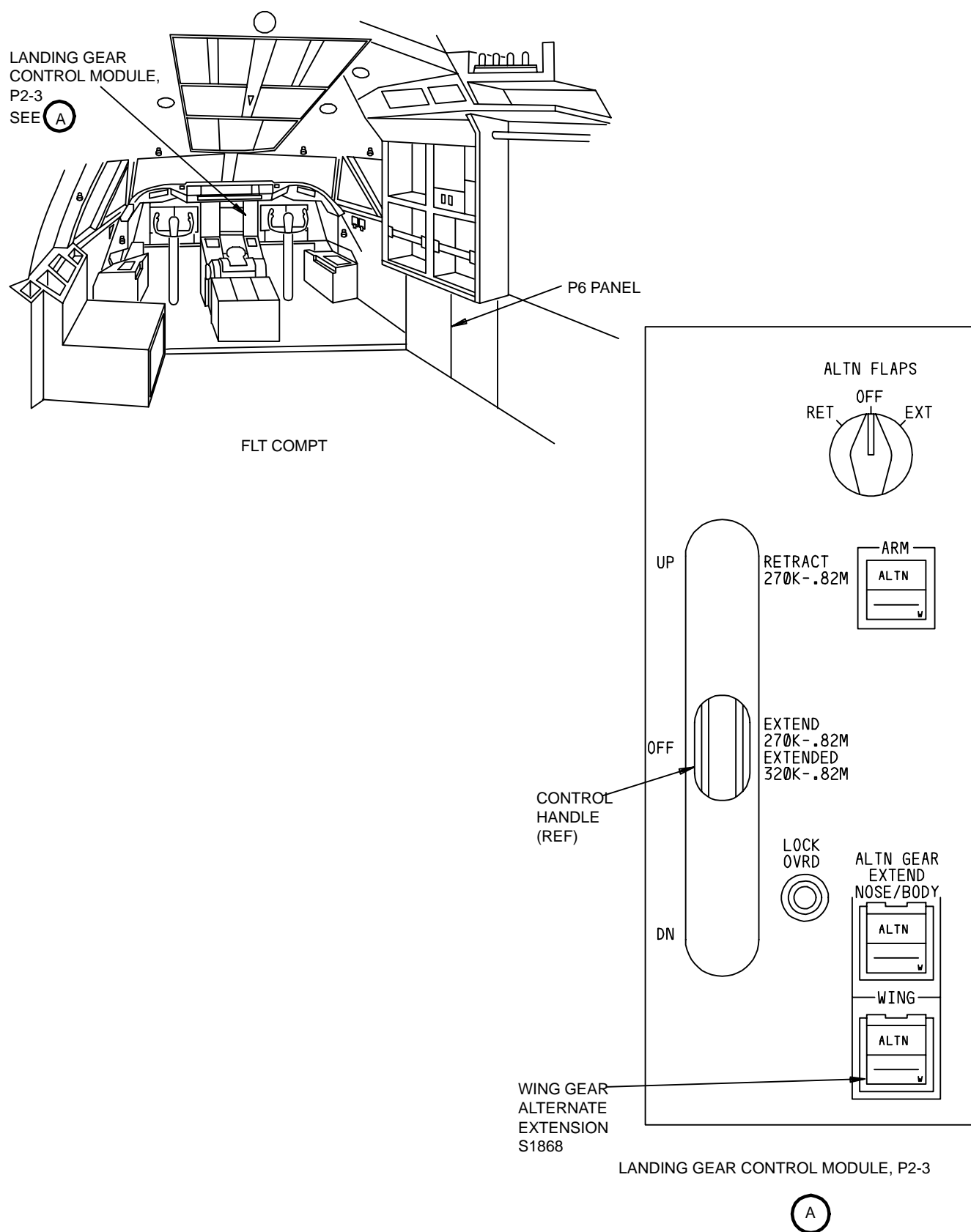
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ACTUATOR - ELECTRIC, M86,M89	2	2	WING GEAR WHEEL WELLS, UPLOCK RELEASE MECHANISM	32-36-01
CIRCUIT BREAKERS -	1		FLT COMPT, P6	
ALT LG EXT WING L, C606		1	6C29	
ALT LG EXT WING R, C609		1	6C30	
DIFFERENTIAL	2	2	WING GEAR WHEEL WELLS	32-36-07
MECHANISM - DOOR ACTUATOR RELEASE	2	2	WING GEAR WHEEL WELLS, DOOR ACTUATOR	32-36-08
MECHANISM - GROUND DOOR RELEASE	2	2	BODY GEAR WHEEL WELLS	32-36-03
MECHANISM - UPLOCK RELEASE	2		WING GEAR WHEEL WELLS	32-36-02
RELAY - (REF 31-01-36, FIG. 101)				
L WING GEAR ALT EXT, R7510,R126				
RELAY - (REF 31-01-39, FIG. 101)				
R WING GEAR ALT EXT, R7511,R127				
SWITCH - L DOOR OPEN, S1267				*
SWITCH - L DOOR UNLOCKED, S1339				*
SWITCH - R DOOR OPEN, S1260				*
SWITCH - R DOOR UNLOCKED, S1340				*
SWITCH - WING GEAR ALTERNATE EXTENSION, S1868	1	1	FLT COMPT, P2-3	
VALVE - SAFETY	2	2	WING GEAR WHEEL WELLS	32-36-07

* SEE WM EQUIPMENT LIST

Wing Gear Alternate Extension System - Component Index
Figure 101

Figure 83 32-36 Wing Gear Alt. Ext. Sys. Comp. Index Fig. 101

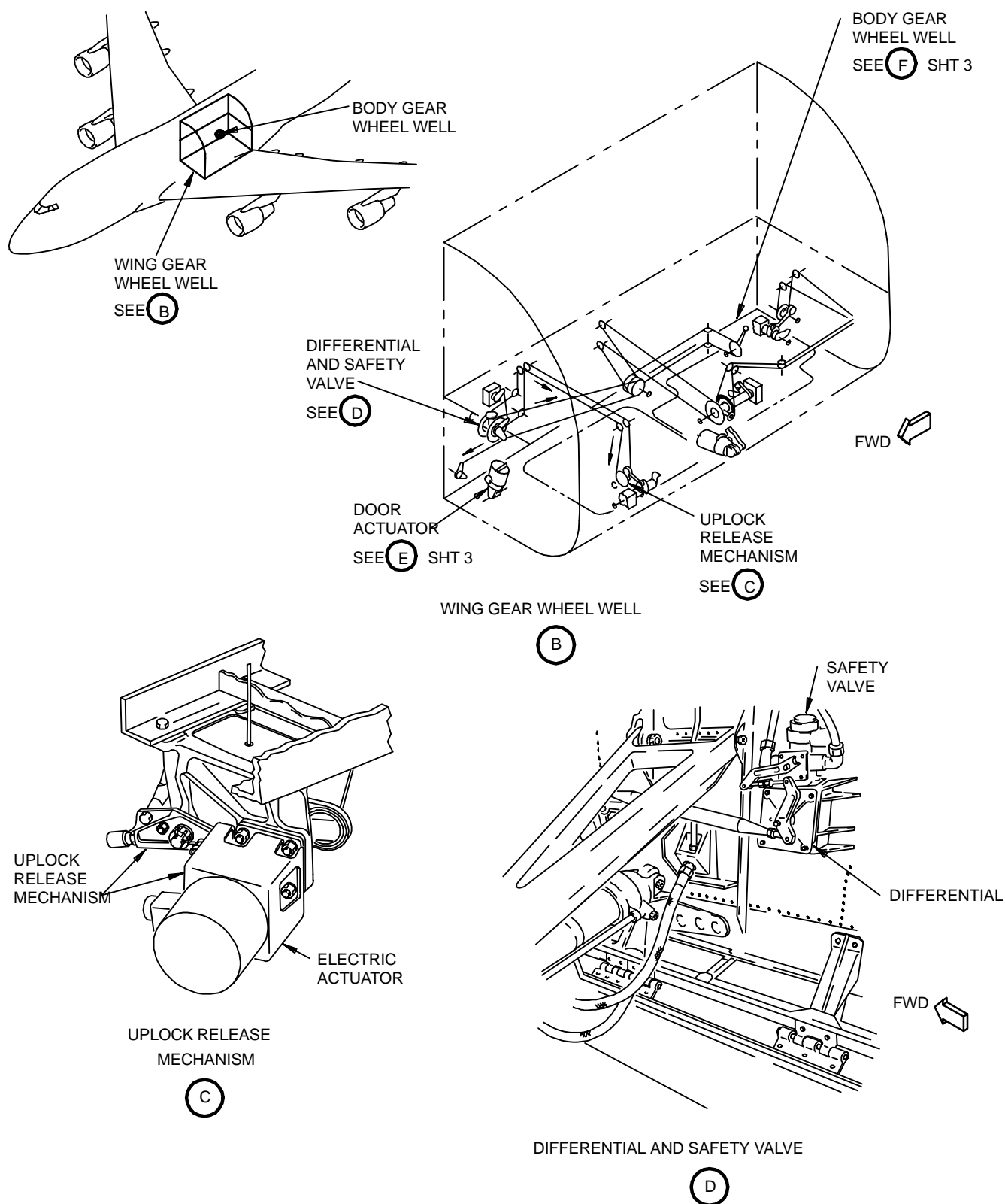
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Wing Gear Alternate Extension System - Component Location
Figure 102 (Sheet 1)

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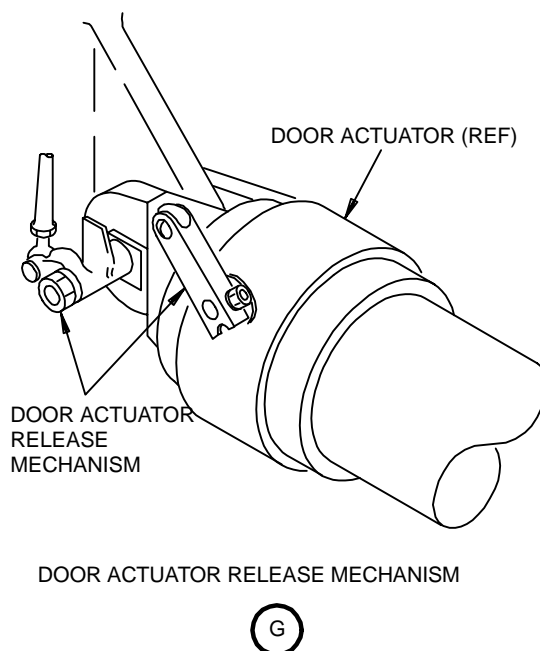
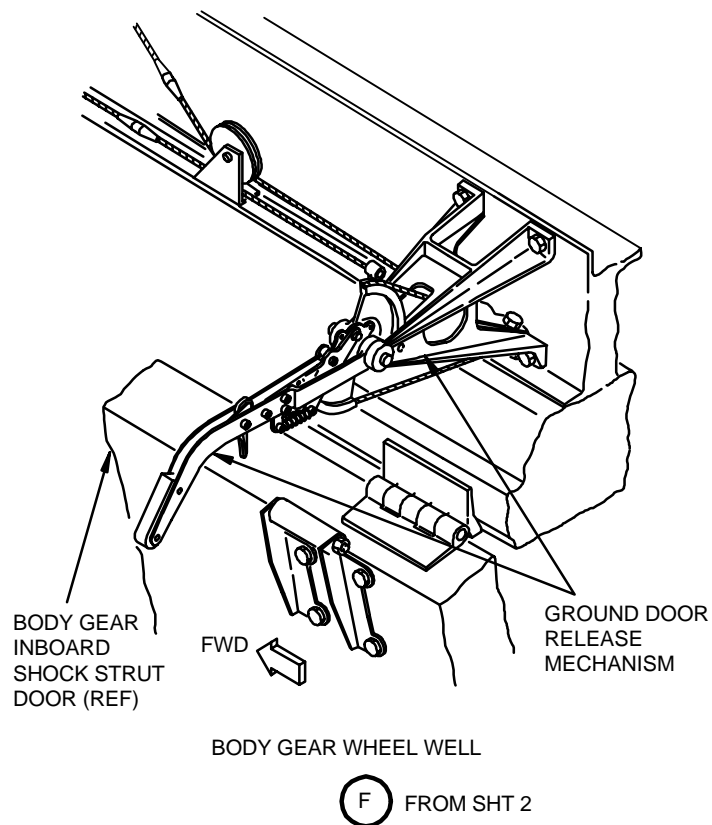
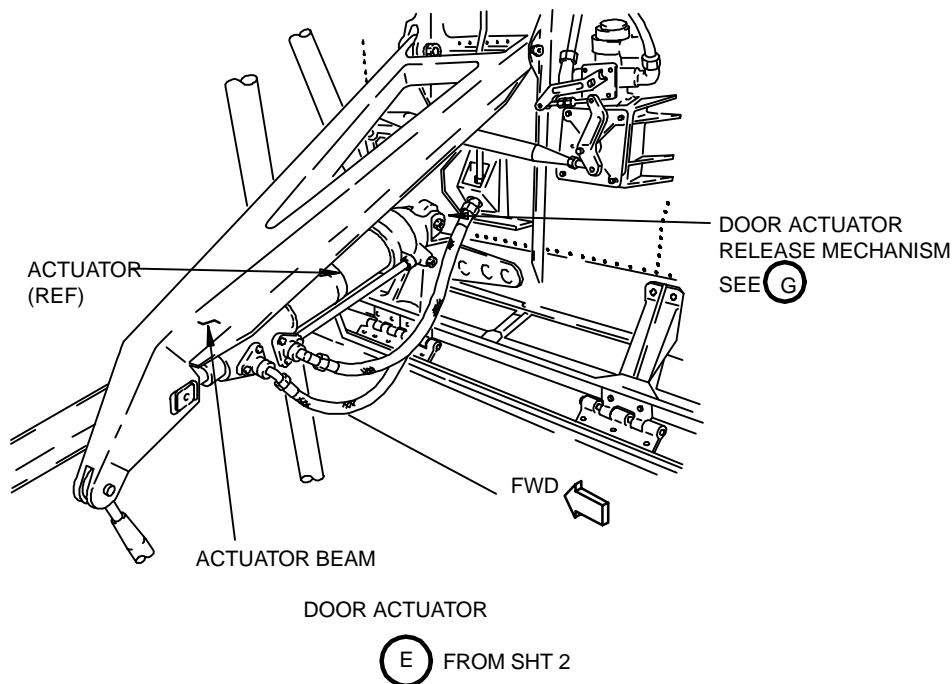
Figure 84 32-36 Wing Gear Alt. Ext. Sys. Comp. Location Fig. 102 (Sheet 1)



Wing Gear Alternate Extension System - Component Location
Figure 102 (Sheet 2)

Figure 85 32-36 Wing Gear Alt. Ext. Sys. Comp. Location Fig. 102 (Sheet 2)

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Wing Gear Alternate Extension System - Component Location
Figure 102 (Sheet 3)

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Figure 86 32-36 Wing Gear Alt. Ext. Sys. Comp. Location Fig. 102 (Sheet 3)


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32-41 HYDRAULIC BRAKE SYSTEM

COMPONENT INDEX AND LOCATION



HYDRAULIC BRAKE SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
ACCUMULATOR - HYDRAULIC BRAKE	6	1	RIGHT BODY GEAR WHEEL WELL	32-41-09
ACCUMULATOR - HYDRAULIC PRESSURE SURGE	8	3	RIGHT BODY GEAR WHEEL WELL, ABOVE THE RIGHT AND LEFT WING GEAR TRUNNION	32-41-22
BRAKE BLEEDER ASSEMBLY	7	16	RIGHT AND LEFT WING AND BODY LANDING GEAR	32-41-00
BRAKE UNIT - LANDING GEAR	7	16	RIGHT AND LEFT WING AND BODY LANDING GEAR	32-41-15
CABLE - BRAKE CONTROL	1	4	PASS. COMPT CEILING AREA	32-00-40
CHECK VALVE	6	1	RIGHT BODY GEAR WHEEL WELL	32-41-00
CIRCUIT BREAKER - BRAKE PRESS IND C7	5	1	FLT COMPT, P6 6D23	*
DISCONNECT - HYDRAULIC BRAKE	7	16	RIGHT AND LEFT WING AND BODY LANDING GEAR	32-41-17
GAGE - DIRECT READING PRESSURE, HYDRAULIC BRAKE ACCUMULATOR	6	1	RIGHT BODY GEAR WHEEL WELL	32-41-1 1
GAGE - DIRECT READING PRESSURE, HYDRAULIC PRESSURE SURGE ACCUMULATOR	8	3	RIGHT BODY GEAR WHEEL WELL, ABOVE THE RIGHT AND LEFT WING GEAR TRUNNION	32-41-24
GAGE - HYD BRAKE PRESS, N120	5	1	FLT COMPT, P1	32-41-13
LIGHT - BRAKE SOURCE INDICATOR, L802	5	1	FLT COMPT, P1	*
MECHANISM - BRAKE PEDAL BUS MODULE - (FIM 32-42-00/101)	1	2	FLT COMPT, FWD OF BRAKE PEDALS	32-41-02
ALTERNATE ANTISKID VALVE				
ANTISKID SHUTTLE VALVE				
AUTOBRAKE PRESSURE CONTROL				
AUTOBRAKE SHUTTLE VALVE				
NORMAL ANTISKID VALVE				
PEDAL - BRAKE, CAPT AND F/O	1	1	FLT COMPT	32-41-00
SWITCH - ALTERNATE BRAKE SYSTEM PRESSURE, S1887	4	1	LEFT WING GEAR WHEEL WELL	32-41-14
SWITCH - HYDRAULIC SYSTEM NO. 4 PRESSURE, S1886	4	1	LEFT WING GEAR WHEEL WELL	32-41-14
TRANSMITTER - HYDRAULIC BRAKE PRESSURE, T409	6	1	RIGHT BODY GEAR WHEEL WELL	32-41-12
VALVE - ACCUMULATOR ISOLATION	3	1	RIGHT BODY GEAR WHEEL WELL	32-41-08
VALVE - ALTERNATE SOURCE SELECTOR, NO. 1	3	1	RIGHT BODY GEAR WHEEL WELL	32-41-06
VALVE - ALTERNATE SOURCE SELECTOR, NO. 2	3	1	LEFT WING GEAR REAR SPAR	32-41-06
VALVE - ALTERNATE BRAKE RETURN 	6	1	RIGHT BODY GEAR WHEEL WELL	32-41-25
VALVE - BRAKE METERING	2	2	RIGHT AND LEFT WING GEAR WHEEL WELL	32-41-03
VALVE - HYDRAULIC BRAKE ACCUMULATOR GAS CHARGING	6	1	RIGHT BODY GEAR WHEEL WELL	32-41-10
VALVE - HYDRAULIC PRESSURE SURGE ACCUMULATOR GAS CHARGING	8	3	RIGHT BODY GEAR WHEEL WELL, ABOVE THE RIGHT AND LEFT WING GEAR TRUNNION	32-41-23


* SEE THE WDM EQUIPMENT LIST

 AIRPLANES WITH ALTERNATE BRAKE RETURN VALVEHydraulic Brake System - Component Index
Figure 101 (Sheet 1)**Figure 87 32-41 Hydraulic Brake Sys. Comp. Index Fig. 101 (Sheet 1)**

a03905



HYDRAULIC BRAKE SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
ACCUMULATOR - HYDRAULIC BRAKE	6	2	RIGHT BODY GEAR WHEEL WELL	32-41-09
ACCUMULATOR - HYDRAULIC PRESSURE SURGE	8	3	RIGHT BODY GEAR WHEEL WELL, ABOVE THE RIGHT AND LEFT WING GEAR TRUNNION	32-41-22
BRAKE BLEEDER ASSEMBLY	7	16	RIGHT AND LEFT WING AND BODY LANDING GEAR	32-41-00
BRAKE UNIT - LANDING GEAR	7	16	RIGHT AND LEFT WING AND BODY LANDING GEAR	32-41-15
CABLE - BRAKE CONTROL	1	4	PASS. COMPT CEILING AREA	32-00-40
CHECK VALVE	6	1	RIGHT BODY GEAR WHEEL WELL	32-41-00
CIRCUIT BREAKER - TOWING XFMR, C10408	9	1	117AL, MAIN EQUIP CTR, P415 415R19	*
CIRCUIT BREAKER - BRAKE PRESS IND C7	5	1	FLT COMPT, P6 6D23	*
DISCONNECT - HYDRAULIC BRAKE	7	16	RIGHT AND LEFT WING AND BODY LANDING GEAR	32-41-17
GAGE - DIRECT READING PRESSURE, HYDRAULIC BRAKE ACCUMULATOR	6	1	RIGHT BODY GEAR WHEEL WELL	32-41-1 1
GAGE - DIRECT READING PRESSURE, HYDRAULIC PRESSURE SURGE ACCUMULATOR	8	3	RIGHT BODY GEAR WHEEL WELL, ABOVE THE RIGHT AND LEFT WING GEAR TRUNNION	32-41-24
GAGE - HYD BRAKE PRESS, N120	5	1	FLT COMPT, P1	32-41-13
LIGHT - BRAKE SOURCE INDICATOR, L802	5	1	FLT COMPT, P1	*
MECHANISM - BRAKE PEDAL BUS MODULE - (FIM 32-42-00/101)	1	2	FLT COMPT, FWD OF BRAKE PEDALS	32-41-02
ALTERNATE ANTISKID VALVE				
ANTISKID SHUTTLE VALVE				
AUTOBRAKE PRESSURE CONTROL				
AUTOBRAKE SHUTTLE VALVE				
NORMAL ANTISKID VALVE				
PEDAL - BRAKE, CAPT AND F/O	1	1	FLT COMPT	32-41-00
SWITCH - ALTERNATE BRAKE SYSTEM PRESSURE, S1887	4	1	LEFT WING GEAR WHEEL WELL	32-41-14
SWITCH - HYDRAULIC SYSTEM NO. 4 PRESSURE, S1886	4	1	LEFT WING GEAR WHEEL WELL	32-41-14
TRANSMITTER - HYDRAULIC BRAKE PRESSURE, T409	6	1	RIGHT BODY GEAR WHEEL WELL	32-41-12
VALVE - ACCUMULATOR ISOLATION	3	1	RIGHT BODY GEAR WHEEL WELL	32-41-08
VALVE - ALTERNATE SOURCE SELECTOR, NO. 1	3	1	RIGHT BODY GEAR WHEEL WELL	32-41-06
VALVE - ALTERNATE SOURCE SELECTOR, NO. 2	3	1	LEFT WING GEAR REAR SPAR	32-41-06
VALVE - ALTERNATE BRAKE RETURN 	6	1	RIGHT BODY GEAR WHEEL WELL	32-41-25
VALVE - BRAKE METERING	2	2	RIGHT AND LEFT WING GEAR WHEEL WELL	32-41-03
VALVE - HYDRAULIC BRAKE ACCUMULATOR GAS CHARGING	6	1	RIGHT BODY GEAR WHEEL WELL	32-41-10
VALVE - HYDRAULIC PRESSURE SURGE ACCUMULATOR GAS CHARGING	8	3	RIGHT BODY GEAR WHEEL WELL, ABOVE THE RIGHT AND LEFT WING GEAR TRUNNION	32-41-23

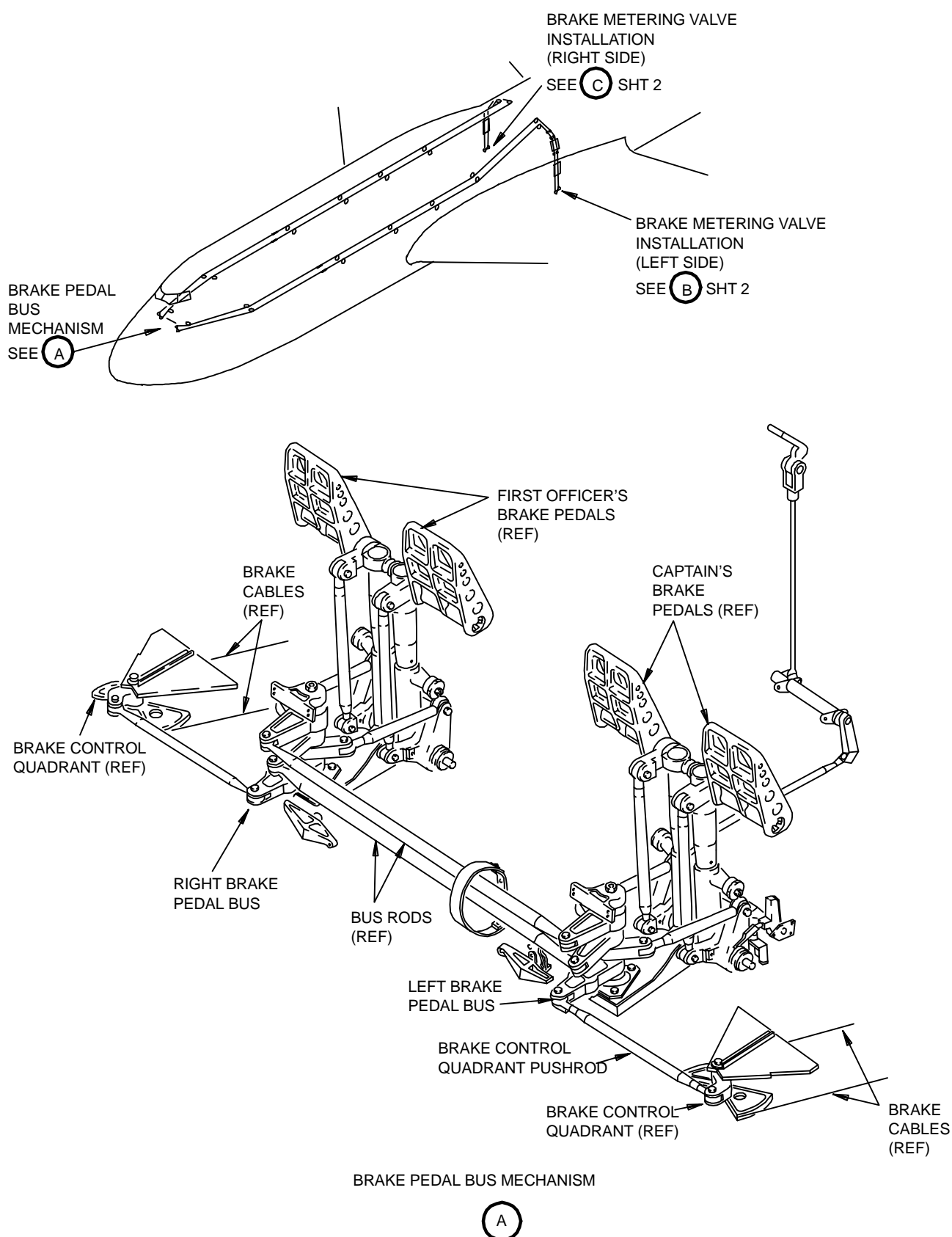
* SEE THE WDM EQUIPMENT LIST

 AIRPLANES WITH ALTERNATE BRAKE RETURN VALVEHydraulic Brake System - Component Index
Figure 101 (Sheet 2)

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Figure 88 32-41 Hydraulic Brake Sys. Comp. Index Fig. 101 (Sheet 2)



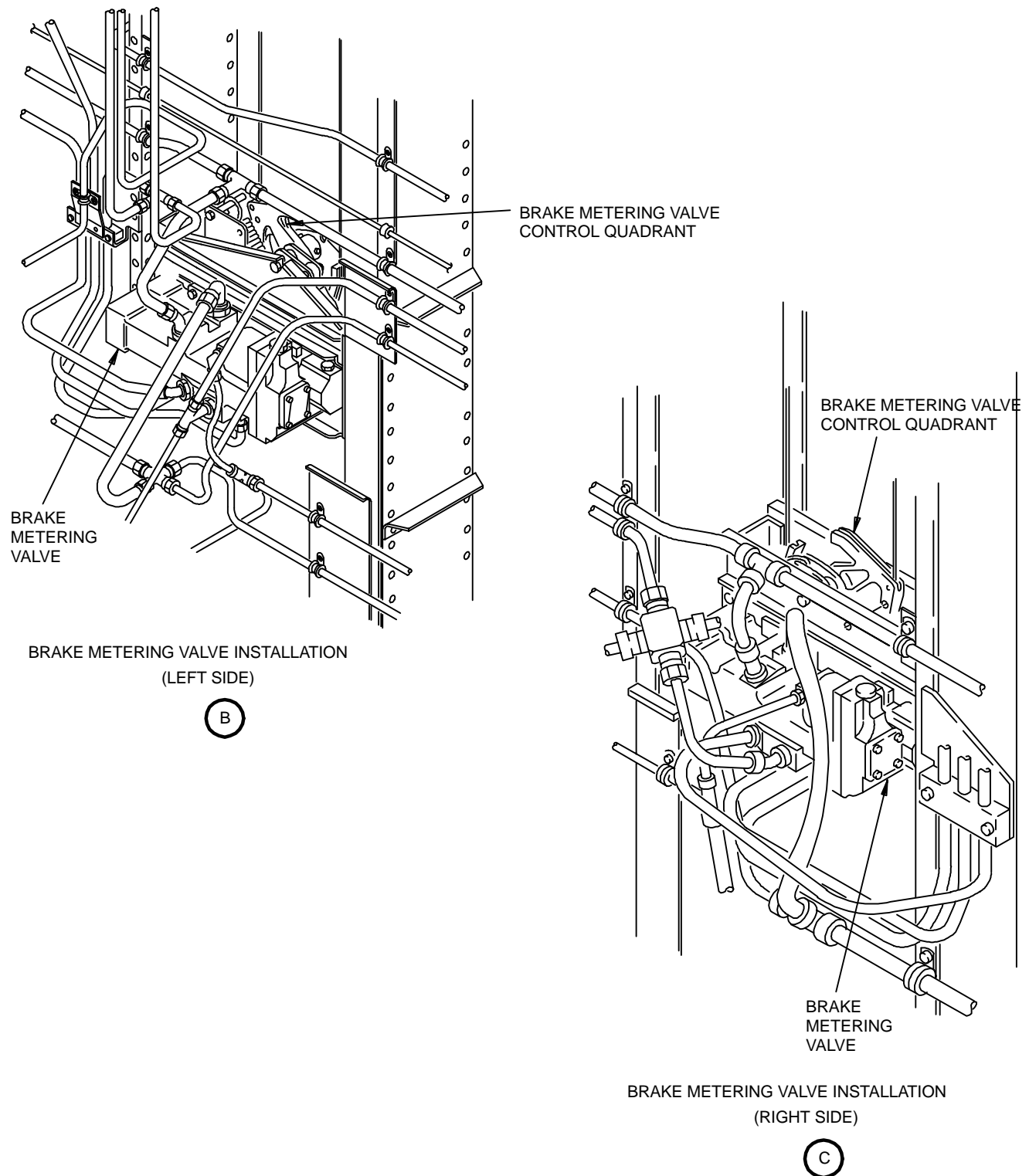


Hydraulic Brake System - Component Location

Figure 102 (Sheet 1)

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Figure 89 32-41 Hydraulic Brake Sys. Comp. Location Fig. 102 (Sheet 1)

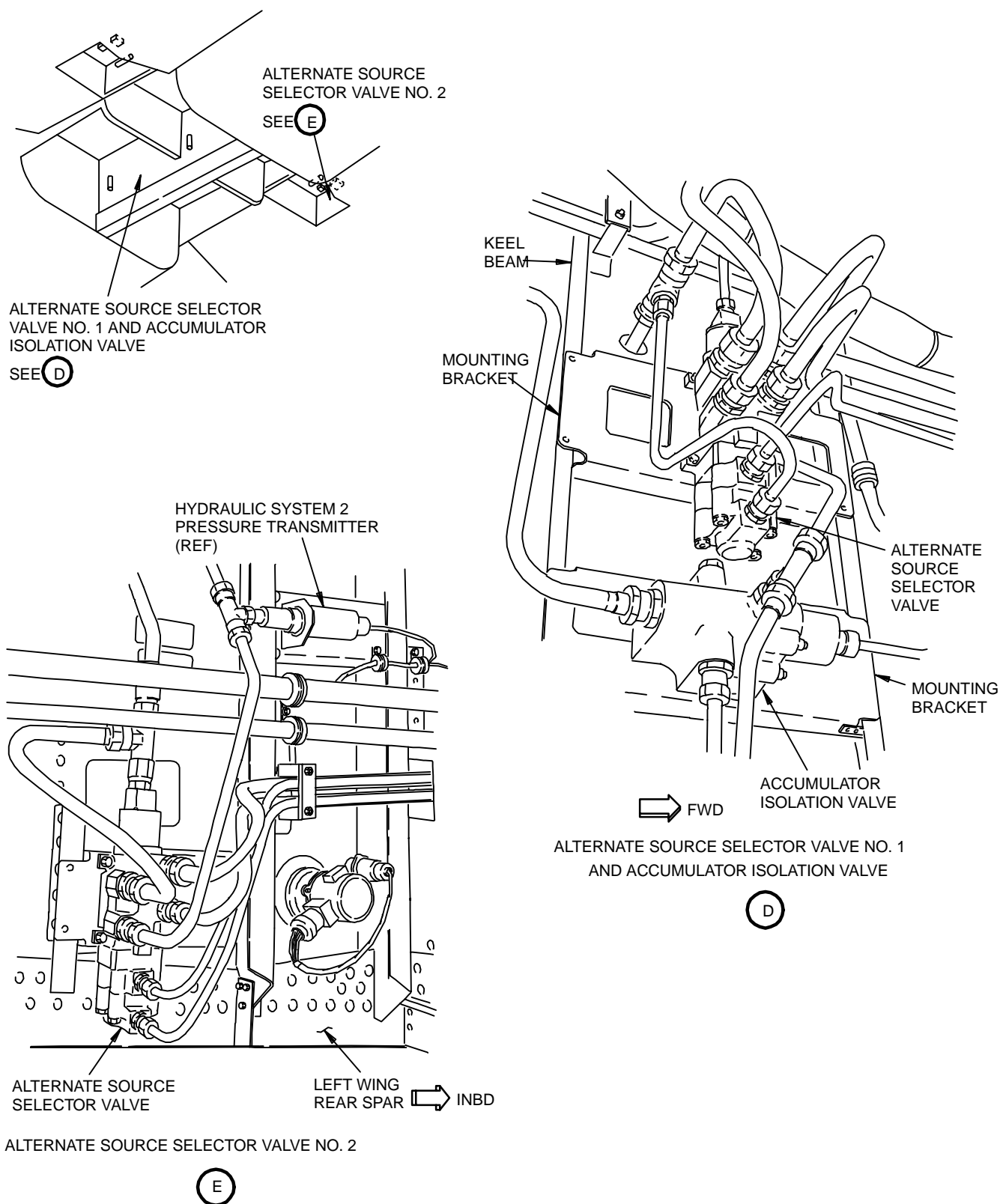


Hydraulic Brake System - Component Location (Details from Sht 1)
Figure 102 (Sheet 2)

Figure 90 32-41 Hydraulic Brake Sys. Comp. Location Fig. 102 (Sheet 2)

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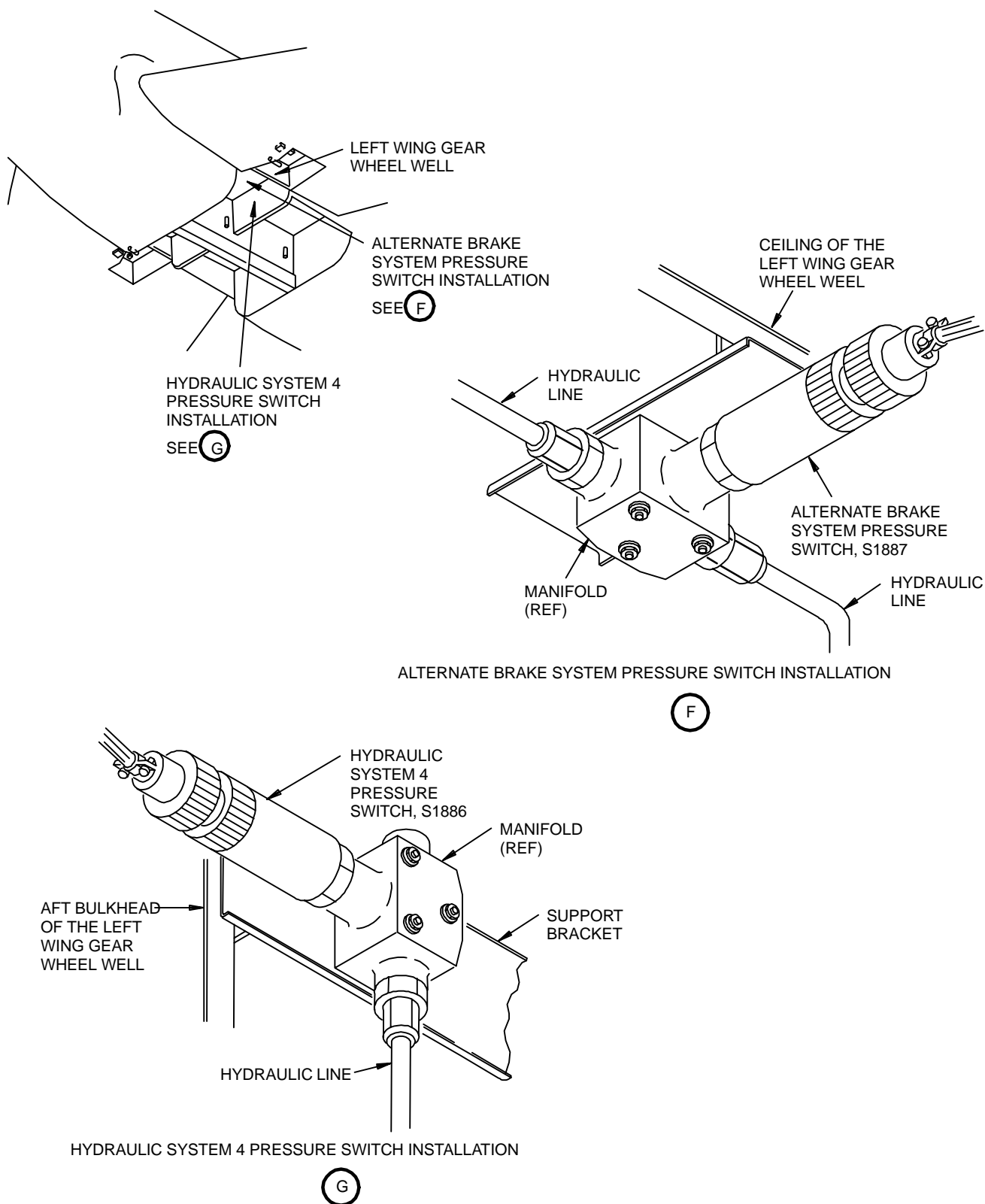


Hydraulic Brake System - Component Location
Figure 102 (Sheet 3)

Figure 91 32-41 Hydraulic Brake Sys. Comp. Location Fig. 102 (Sheet3)

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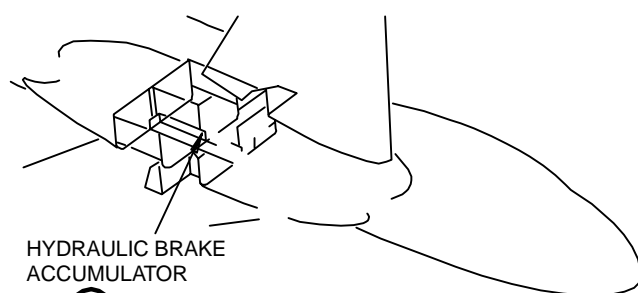


Hydraulic Brake System - Component Location
Figure 102 (Sheet 4)

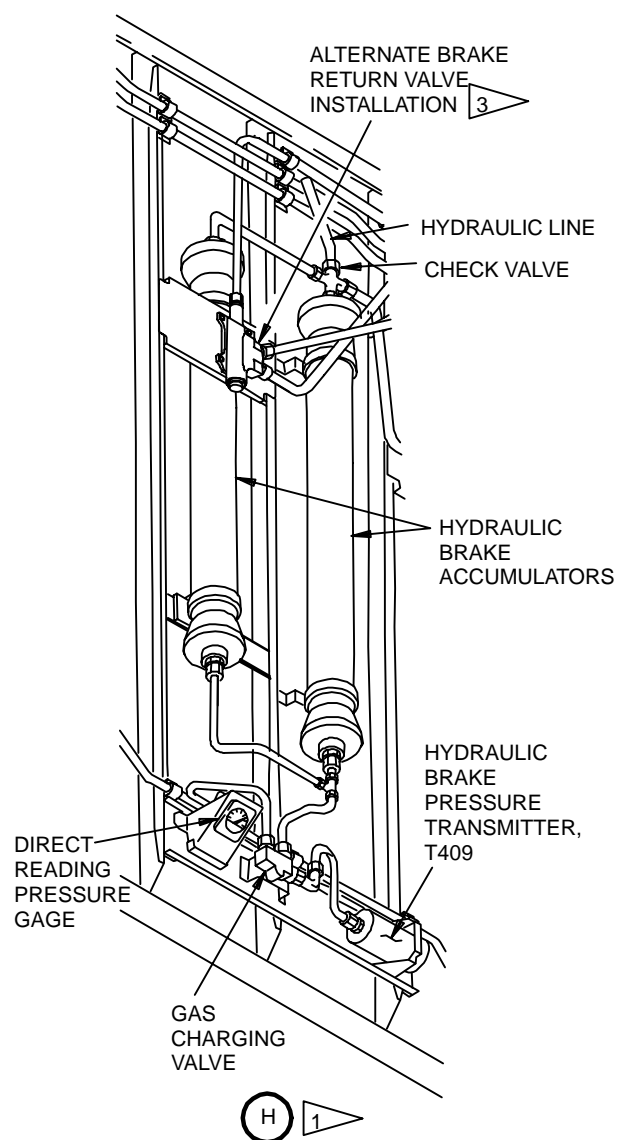
Figure 92 32-41 Hydraulic Brake Sys. Comp. Location Fig. 102 (Sheet 4)

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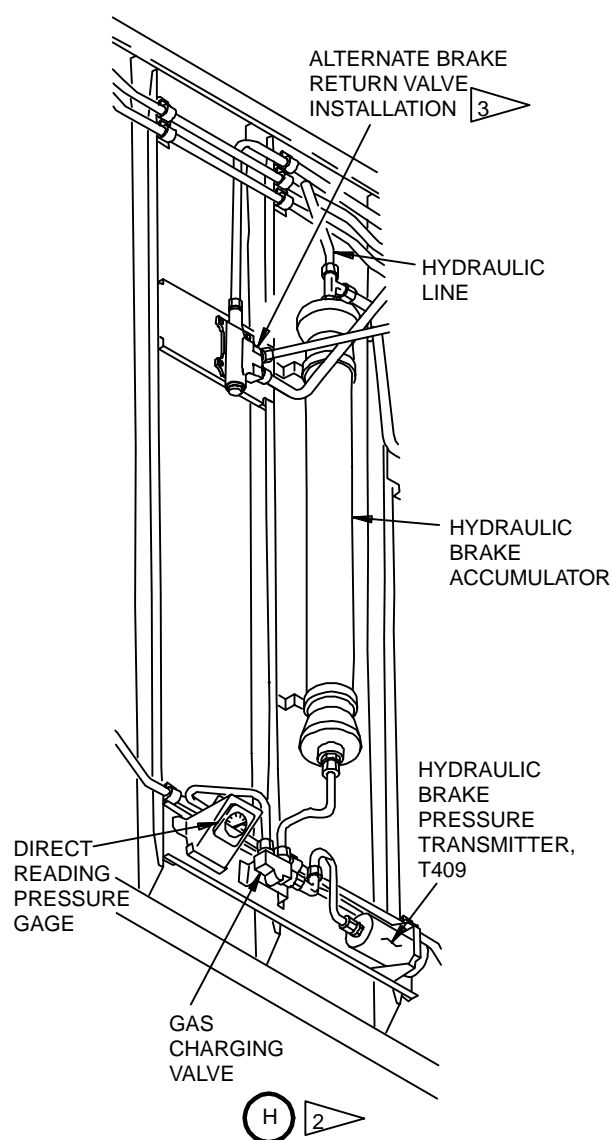




SEE (H)



- 1 DLH ALL
- 2 AFA AND UTA ALL
- 3 AIRPLANES WITH AN ALTERNATE
BRAKE RETURN VALVE

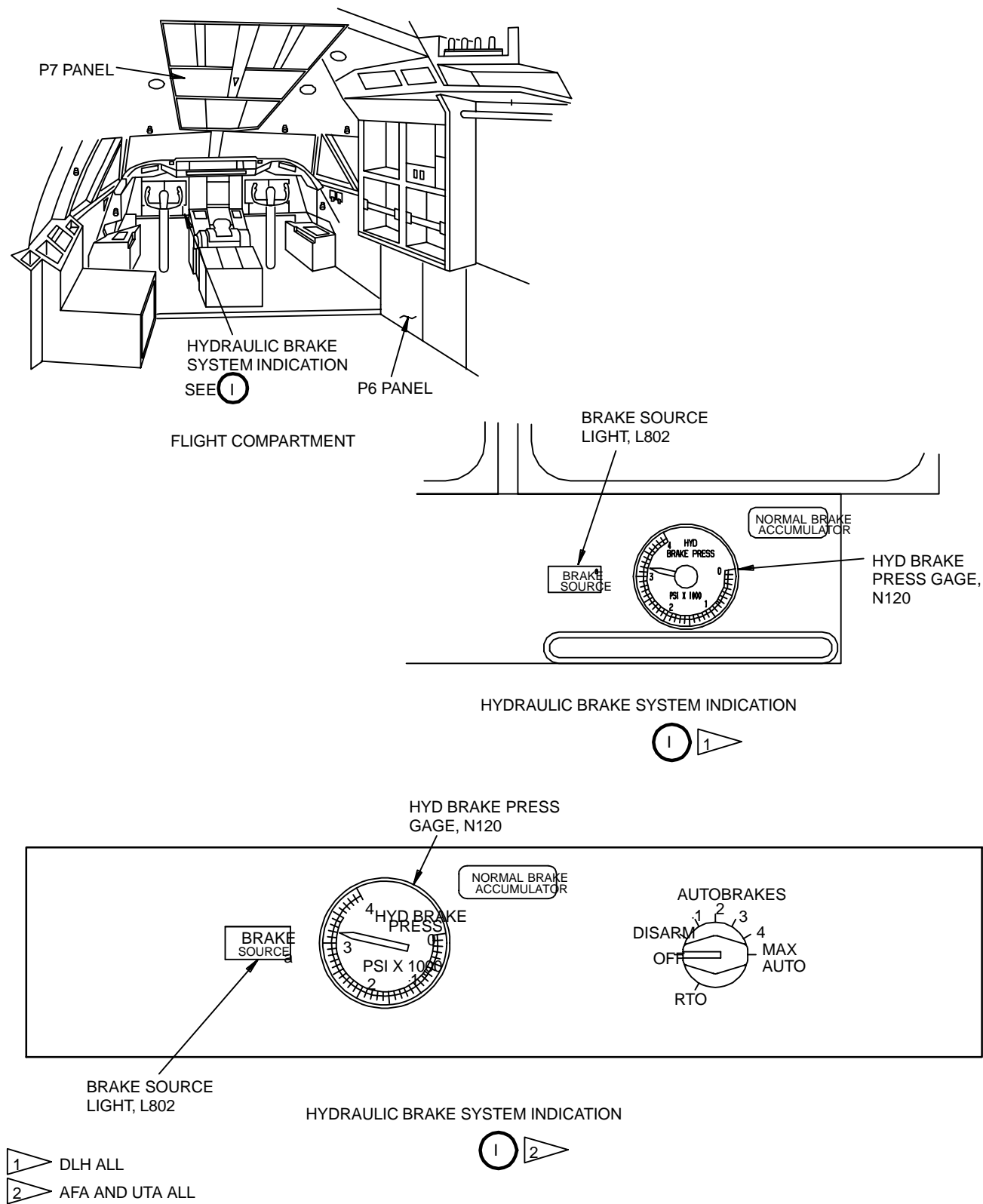


Hydraulic Brake System - Component Location
Figure 102 (Sheet 5)

Figure 93 32-41 Hydraulic Brake Sys. Comp. Location Fig. 102 (Sheet 5)

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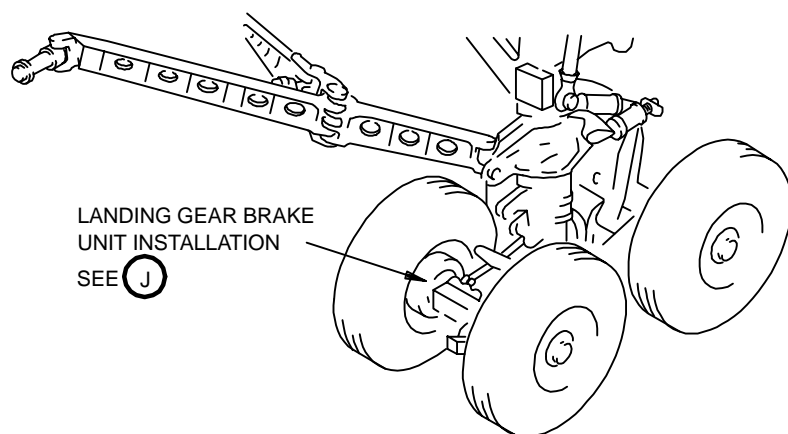




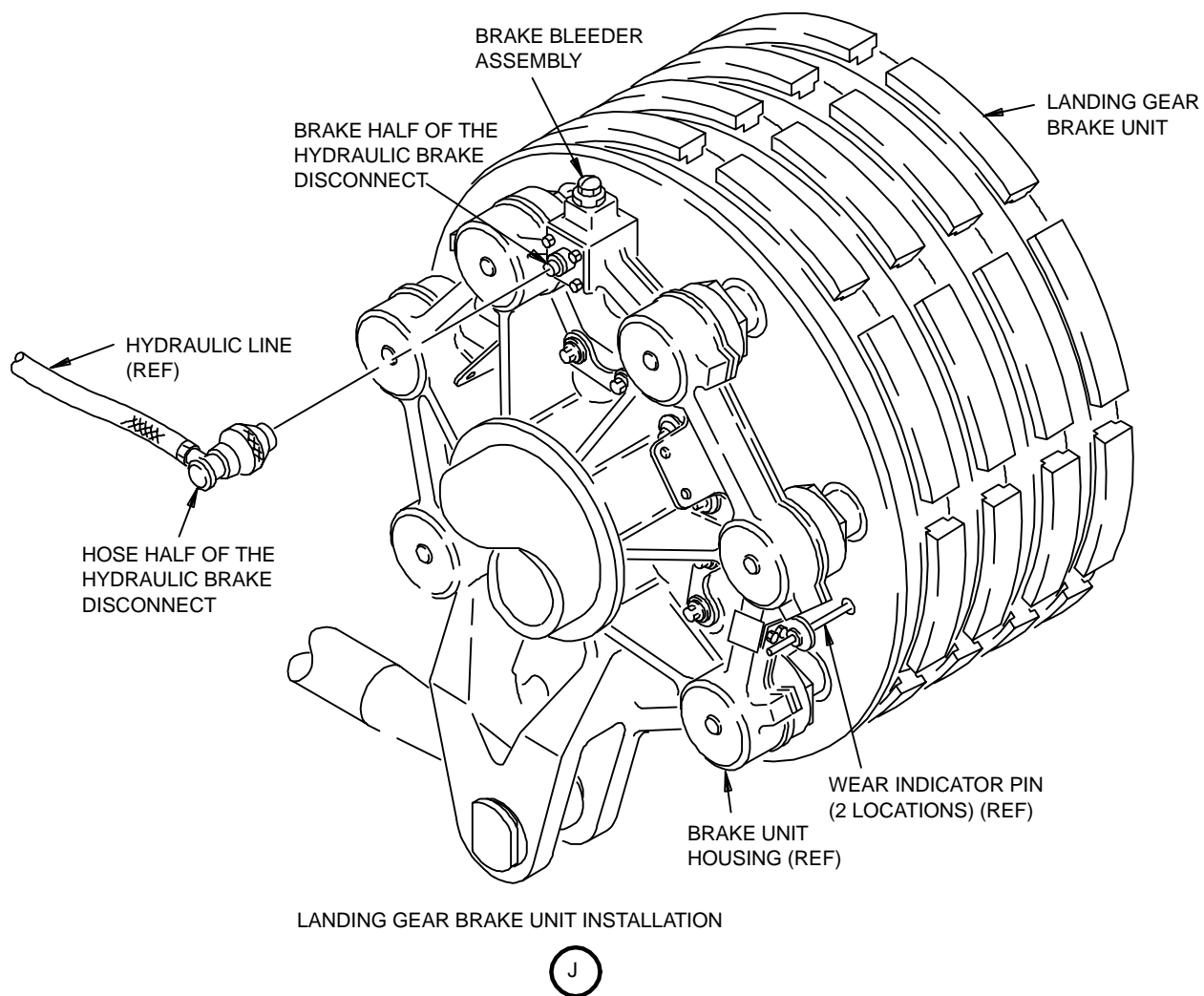
Hydraulic Brake System - Component Location
Figure 102 (Sheet 6)

Figure 94 32-41 Hydraulic Brake Sys. Comp. Location Fig. 102 (Sheet 6)

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NOTE: LEFT BODY GEAR SHOWN,
GEAR AT ALL OTHER LOCATIONS
ARE EQUIVALENT.

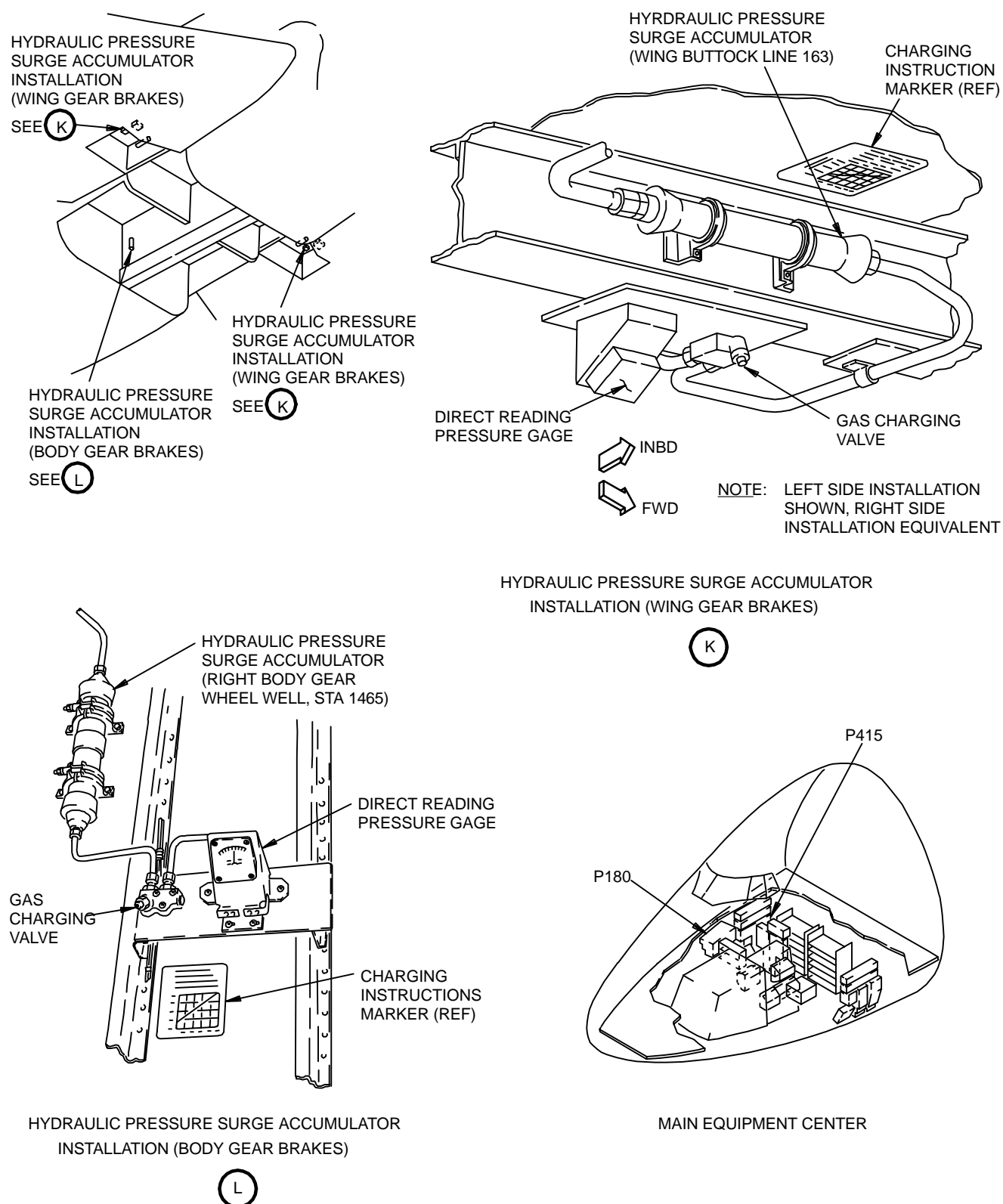


Hydraulic Brake System - Component Location
Figure 102 (Sheet 7)

Figure 95 32-41 Hydraulic Brake Sys. Comp. Location Fig. 102 (Sheet 7)

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Hydraulic Brake System - Component Location
Figure 102 (Sheet 8)

Figure 96 32-41 Hydraulic Brake Sys. Comp. Location Fig. 102 (Sheet 8)

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32-42 BRAKE CONTROL SYSTEM

COMPONENT INDEX AND LOCATION

BRAKE CONTROL SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ASSEMBLY - ELECTRONIC COMPONENT	2	1	125B, CTR EQUIP CENTER, E9,	32-42-01
ASSEMBLY - L AUTOBRAKE SHUTTLE VALVE	8	1	BRAKE SYS CONT UNIT, M80	32-42-12
ASSEMBLY - L BODY GEAR ANTISKID MODULE (ALTERNATE)	4	1	AFT BULKHD, L WING GEAR WHL WELL	32-42-02
ASSEMBLY - L BODY GEAR ANTISKID MODULE (NORMAL)	3	1	L BODY GEAR WHL WELL, AFT BULKHEAD	32-42-02
ASSEMBLY - L WING GEAR ANTISKID MODULE (ALTERNATE)	4	1	L BODY GEAR WHL WELL, AFT BULKHEAD	32-42-02
ASSEMBLY - L WING GEAR ANTISKID MODULE (NORMAL)	3	1	L WING GEAR WHL WELL, FWD BULKHEAD	32-42-02
ASSEMBLY - R AUTOBRAKE SHUTTLE VALVE	8	1	ABOVE L WING GEAR TRUNNION	32-42-02
ASSEMBLY - R BODY GEAR ANTISKID MODULE (ALTERNATE)	4	1	AFT BULKHEAD, R WING GEAR WHL WELL	32-42-12
ASSEMBLY - R BODY GEAR ANTISKID MODULE (NORMAL)	3	1	R BODY GEAR WHL WELL, AFT BULKHEAD	32-42-02
ASSEMBLY - R WING GEAR ANTISKID MODULE (ALTERNATE)	4	1	R BODY GEAR WHL WELL, AFT BULKHEAD	32-42-02
ASSEMBLY - R WING GEAR ANTISKID MODULE (NORMAL)	3	1	R WING GEAR WHL WELL, FWD BULKHEAD	32-42-02
ASSEMBLY - SHUTTLE VALVE (L BODY GEAR ANTISKID)	5	1	ABOVE R WING GEAR TRUNNION	32-42-02
ASSEMBLY - SHUTTLE VALVE (L WING GEAR ANTISKID)	6	1	BODY GEAR WHL WELL, AFT BULKHEAD	32-42-14
ASSEMBLY - SHUTTLE VALVE (R BODY GEAR ANTISKID)	5	1	ABOVE THE WING GEAR TRUNNION	32-42-14
ASSEMBLY - SHUTTLE VALVE (R WING GEAR ANTISKID)	6	1	BODY GEAR WHL WELL, AFT BULKHEAD	32-42-14
CIRCUIT BREAKERS -	--		ABOVE THE WING GEAR TRUNNION	32-42-14
ANTISKID 1-3, C369		1	117AL, MAIN EQUIP CTR	*
ANTISKID 10-12, C10079		1	180J07	*
ANTISKID 13-15, C665		1	1809J23	*
ANTISKID 14-16, C370		1	180F08	*
ANTISKID 2-4, C664		1	180J08	*
ANTISKID 5-7, C10078		1	180F07	*
ANTISKID 6-8, C10080		1	180J22	*
ANTISKID 9-11, C10081		1	180F22	*
AUTOBRK, C1722		1	180F23	*
BRK CONT IND/TEST 1, C10071		1	180J25	*
BRK CONT IND/TEST 2, C10072		1	180F25	*
TORQUE LIMIT 1-5,9-13, C10082		1	180F10	*
TORQUE LIMIT 2-6,10-14, C10083		1	180J09	*
TORQUE LIMIT 3-7,11-15, C10084		1	180F09	*
TORQUE LIMIT 4-8,12-16, C10085		1	180J24	*
		1	180F24	*

* SEE WDM EQUIPMENT LIST

Brake Control System - Component Index
Figure 101 (Sheet 1)

Figure 97 32-42 Brake Control Sys. Comp. Index Fig. 101 (Sheet 1)

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COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
COUPLING - TRANSDUCER	11	1	HUBCAPS, MAIN GEAR AXLE	32-42-03
FILTER - AUTOBRAKE SHUTTLE VALVE	5	1	AUTOBRAKE SHUTTLE VALVE ASSEMBLY	32-42-14
FILTER - INLET (ALTERNATE ANTISKID MODULE)	4	4	ALTERNATE ANTISKID MODULES	32-42-02
FILTER - INLET (NORMAL ANTISKID MODULE)	3	8	NORMAL ANTISKID MODULES	32-42-02
FILTER - INLET PRESSURE FLUID	7	1	AUTOBRAKE PRESS CONT MODULE, M439	32-42-1 1
FUSE - HYDRAULIC BRAKE (ALTERNATE ANTISKID MODULE)	4	8	ALT ANTISKID MODULES	32-42-02
FUSE - HYDRAULIC BRAKE (NORMAL ANTISKID MODULE)	3	16	NORMAL ANTISKID MODULES	32-42-02
MODULE - AUTOBRAKE PRESSURE CONTROL, M439	7	1	AFT BULKHD, R WING WHL WELL	32-42-1 1
MODULE - AUTOBRAKE SELECTOR SWITCH, M241	1	1	FLT COMP, P8	*
REGULATOR - PRESSURE COMPENSATED FLOW	5	2	BODY GEAR ANTISKID SHUTTLE VALVES	32-42-14
SENSOR - BRAKE TORQUE LIMITING	10	16	MAIN GEAR WHLS, BRAKE EQUALIZER ROD	32-42-20
T1575		1	L WING GEAR, OTBD FWD WHL	32-42-20
T1576		1	L WING GEAR, INBD FWD WHL	32-42-20
T1577		1	L WING GEAR, OTBD REAR WHL	32-42-20
T1578		1	L WING GEAR, INBD REAR WHL	32-42-20
T1579		1	L BODY GEAR, OTBD FWD WHL	32-42-20
T1580		1	L BODY GEAR, INBD FWD WHL	32-42-20
T1581		1	L BODY GEAR, OTBD REAR WHL	32-42-20
T1582		1	L BODY GEAR, INBD REAR WHL	32-42-20
T1583		1	R BODY GEAR, INBD FWD WHL	32-42-20
T1584		1	R BODY GEAR, OTBD FWD WHL	32-42-20
T1585		1	R BODY GEAR, INBD REAR WHL	32-42-20
T1586		1	R BODY GEAR, OTBD REAR WHL	32-42-20
T1587		1	R WING GEAR, INBD FWD WHL	32-42-20
T1588		1	R WING GEAR, OTBD FWD WHL	32-42-20
T1589		1	R WING GEAR, INBD REAR WHL	32-42-20
T1590		1	R WING GEAR, OTBD REAR WHL	32-42-20
SWITCH - AUTOBRAKE SELECTOR, S1271	1	1	FLT COMPT, P8	*
SWITCH - AUTOBRAKE SELECTOR, S1272	1	1	FLT COMPT, P1-4	*
SWITCH - CONTROL VALVE PRESSURE, YCJSO2	7	1	AUTOBRAKE PRESS CONT MODULE, M439	32-42-1 1
SWITCH - L BRAKE METER PRESSURE, S281	9	1	L AUTOBRAKE SHUTTLE VALVE	32-42-12
SWITCH - L BRAKE PEDAL BUS, S1595	8	2	NO. 1 ENTRY DOOR, R BRAKE PEDAL BUS SUPPORT BEAM	32-42-13
SWITCH - R BRAKE METER PRESSURE, S280	8	1	R AUTOBRAKE SHUTTLE VALVE	32-42-12
SWITCH - R BRAKE PEDAL BUS, S1596	9	2	NO. 1 ENTRY DOOR, L BRAKE PEDAL BUS SUPPORT BEAM	32-42-13
SWITCH - SOLENOID VALVE PRESSURE, YCJSO1	7	1	AUTOBRAKE PRESS CONT MODULE, M439	32-42-1 1

* SEE WDM EQUIPMENT LIST



1 AIRPLANES WITH AUTOBRAKE SELECTOR SWITCH ON THE P8 PANEL.

2 AIRPLANES WITH AUTOBRAKE SELECTOR SWITCH ON THE P1-4 PANEL.

Brake Control System - Component Index
Figure 101 (Sheet 2)

Figure 98 32-42 Brake Control Sys. Comp. Index Fig. 101 (Sheet 2)

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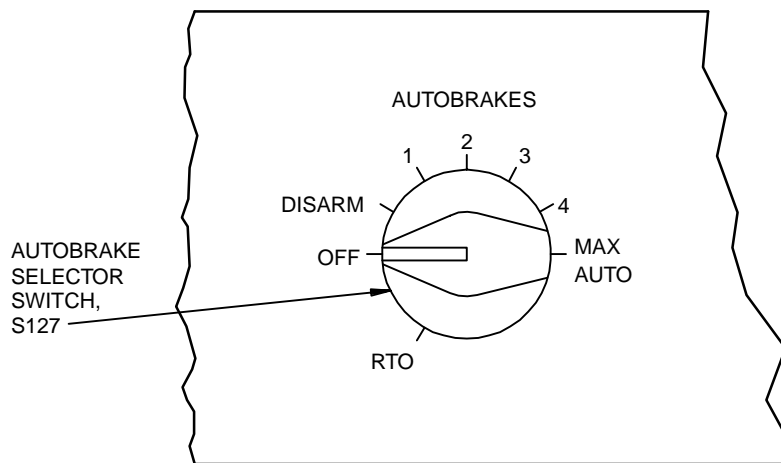
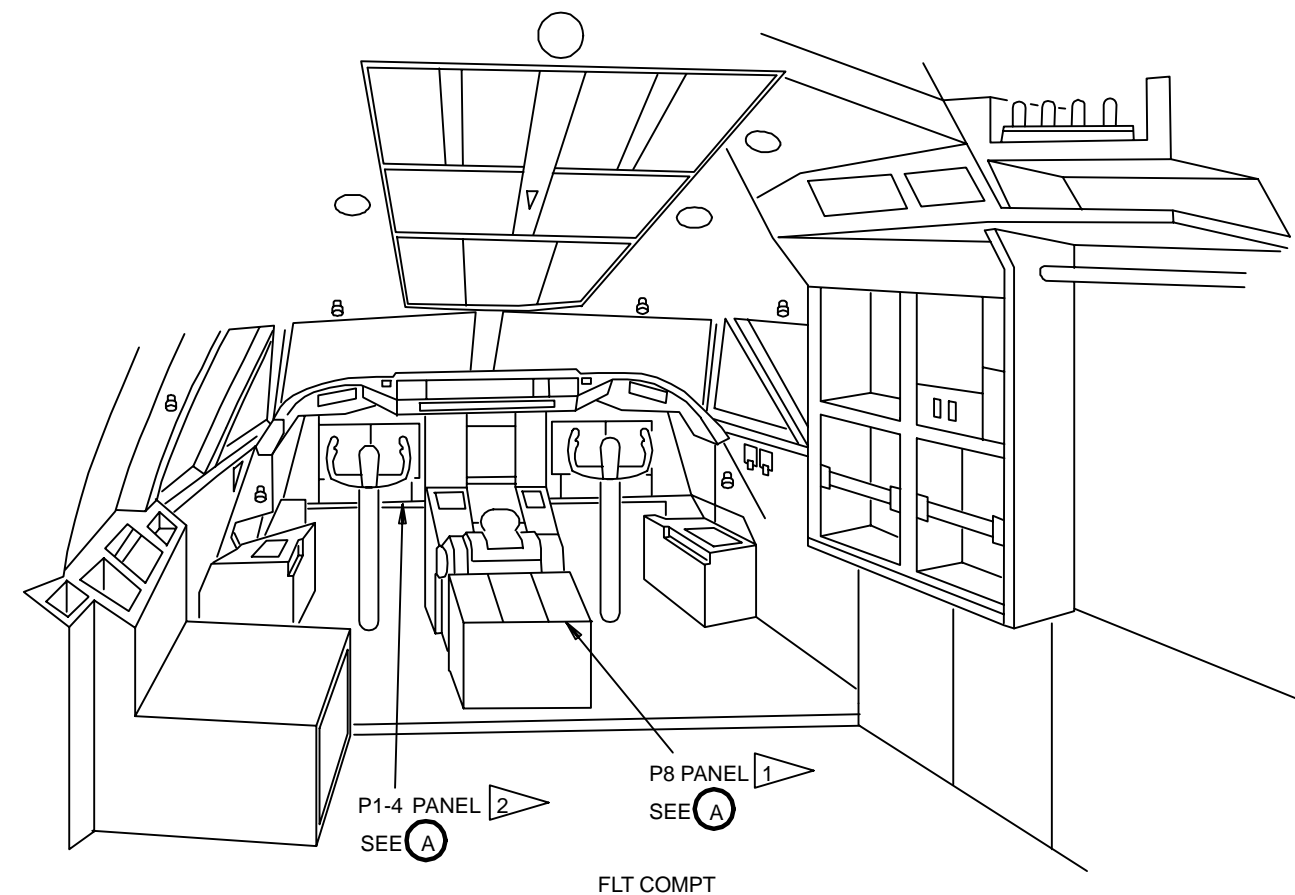
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
TRANSDUCER - WHEEL SPEED	11	16	HUBCAP, MAIN WHL AXLE	32-42-04
M46		1	L WING GEAR, R REAR WHL	32-42-04
M47		1	L WING GEAR, R FRONT WHL	32-42-04
M48		1	L WING GEAR, L FRONT WHL	32-42-04
M49		1	L WING GEAR, L REAR WHL	32-42-04
M50		1	L BODY GEAR, R REAR WHL	32-42-04
M51		1	L BODY GEAR, R FRONT WHL	32-42-04
M52		1	L BODY GEAR, L FRONT WHL	32-42-04
M53		1	L BODY GEAR, L REAR WHL	32-42-04
M54		1	R BODY GEAR, R REAR WHL	32-42-04
M55		1	R FRONT WHL, R BODY GEAR	32-42-04
M56		1	R BODY GEAR, L FRONT WHL	32-42-04
M57		1	R BODY GEAR, L REAR WHL	32-42-04
M58		1	R WING GEAR, R REAR WHL	32-42-04
M59		1	R WING GEAR, R FRONT WHL	32-42-04
M60		1	R WING GEAR, L FRONT WHL	32-42-04
M61		1	R WING GEAR, L REAR WHL	32-42-04
UNIT - BRAKE SYSTEM CONTROL, M80	2	1	125B, CENTER EQUIP CTR, E9	32-42-01
VALVE - ANTISKID (ALTERNATE), V35,V36,V37, V38,V129,V130,V131,V132	4	8	ALT ANTISKID MODULES	32-42-02
VALVE - ANTISKID (NORMAL), V24,V25,V26,V40, V41,V42,V43,V44,V51,V65,V69,V73,V77,V126, V127,V128	3	16	NORMAL ANTISKID MODULES	32-42-02
VALVE - ANTISKID SHUTOFF	3	4	NORMAL ANTISKID MODULES	32-42-02
VALVE - AUTOBRAKE PRESSURE CONTROL	7	1	AUTOBRAKE PRESS CONT VALVE MODULE	32-42-1 1
VALVE - AUTOBRAKE SHUTTLE	8	2	AUTOBRAKE SHUTTLE VALVE ASSEMBLY	32-42-12
VALVE - CHECK (ALTERNATE ANTISKID)	4	4	ALT ANTISKID MODULES	32-42-02
VALVE - CHECK (NORMAL ANTISKID)	3	4	NORMAL ANTISKID MODULES	32-42-02
VALVE - SERVO CONTROL, YCJV02	7	1	AUTOBRAKE PRESS CONT MODULE	32-42-1 1
VALVE - SOLENOID, YCJV01	7	1	AUTOBRAKE PRESS CONT MODULE	32-42-1 1

Brake Control System - Component Index
Figure 101 (Sheet 3)

Figure 99 32-42 Brake Control Sys. Comp. Index Fig. 101 (Sheet 3)

581042





1 AIRPLANES WITH AUTOBRAKE SELECTOR SWITCH ON P8 PANEL.

2 AIRPLANES WITH AUTOBRAKE SELECTOR SWITCH ON P1-4 PANEL.

CAPTAIN'S MAIN INSTRUMENT PANEL P1-4
AUTOBRAKE CONTROL MODULE (M247), P8 PANEL

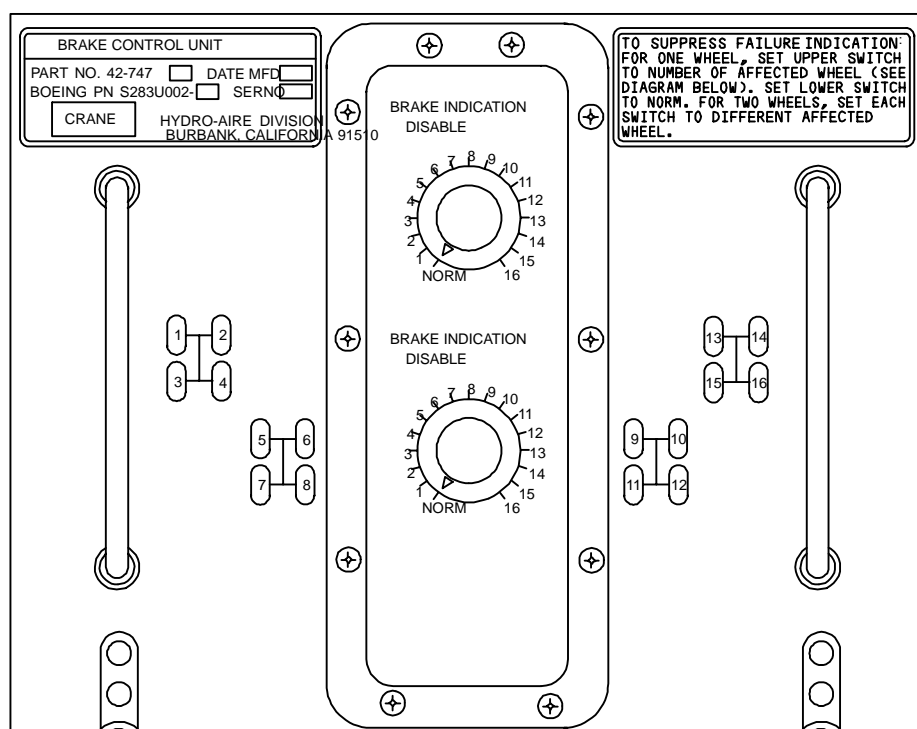
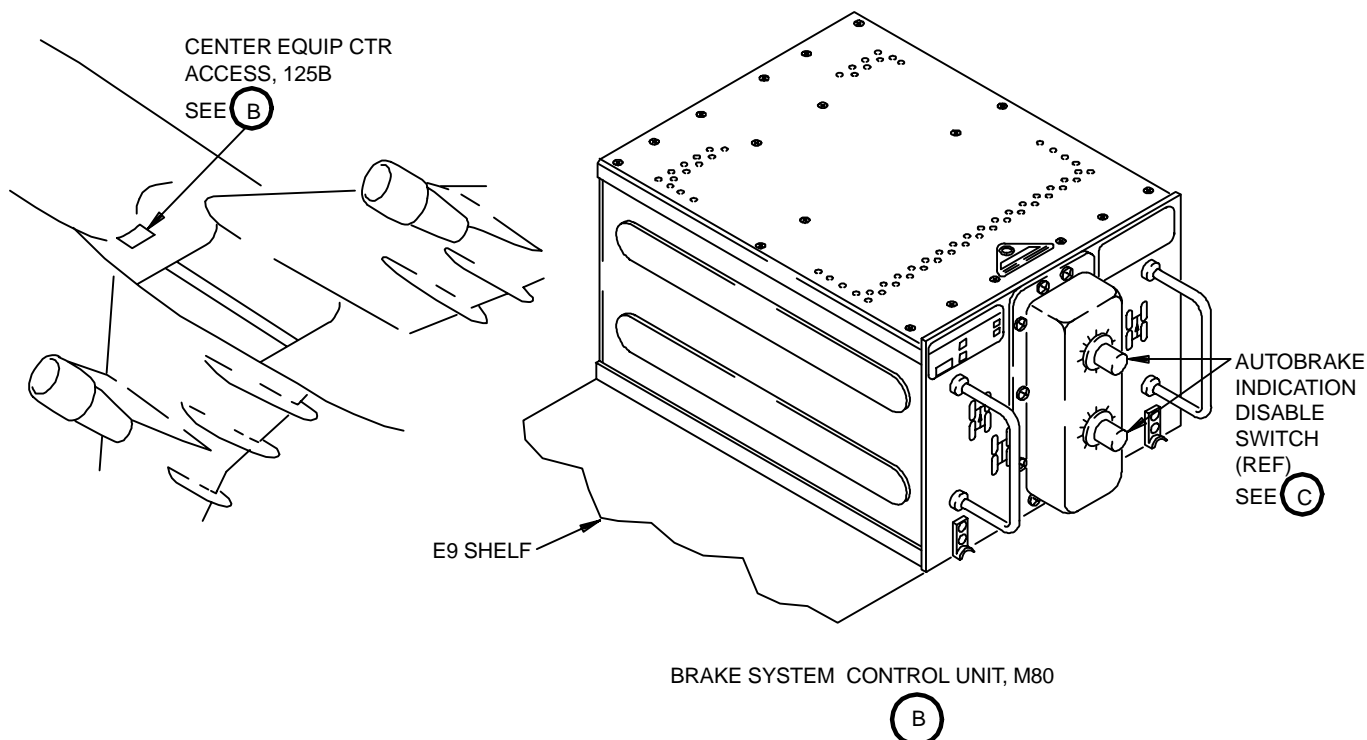
(A)

Brake Control System - Component Location
Figure 102 (Sheet 1)

Figure 100 32-42 Brake Control Sys. Comp. Location Fig. 102 (Sheet 1)

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BRAKE SYSTEM CONTROL UNIT, M80

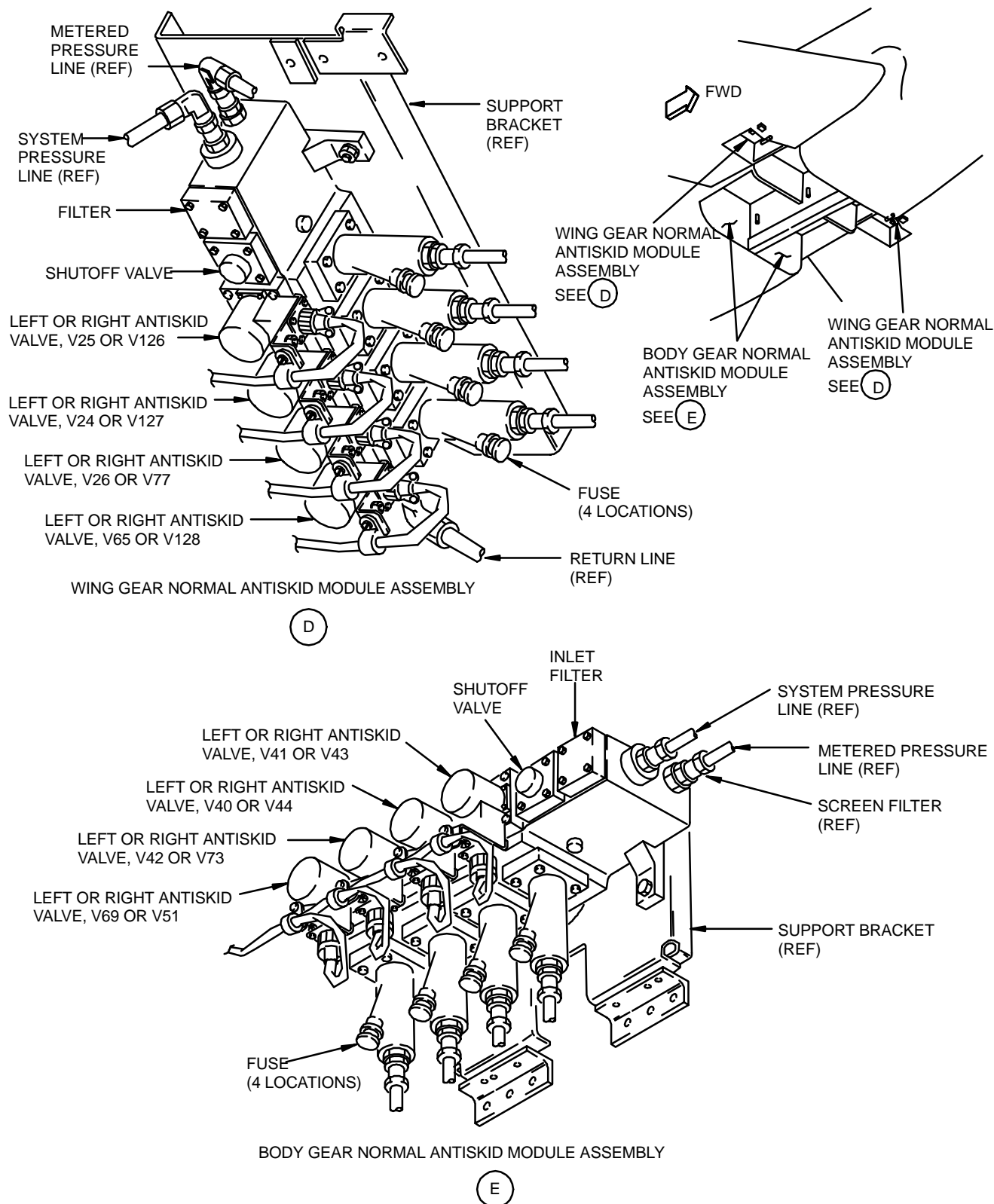
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Brake Control System - Component Location
Figure 102 (Sheet 2)

Figure 101 32-42 Brake Control Sys. Comp. Location Fig. 102 (Sheet 2)

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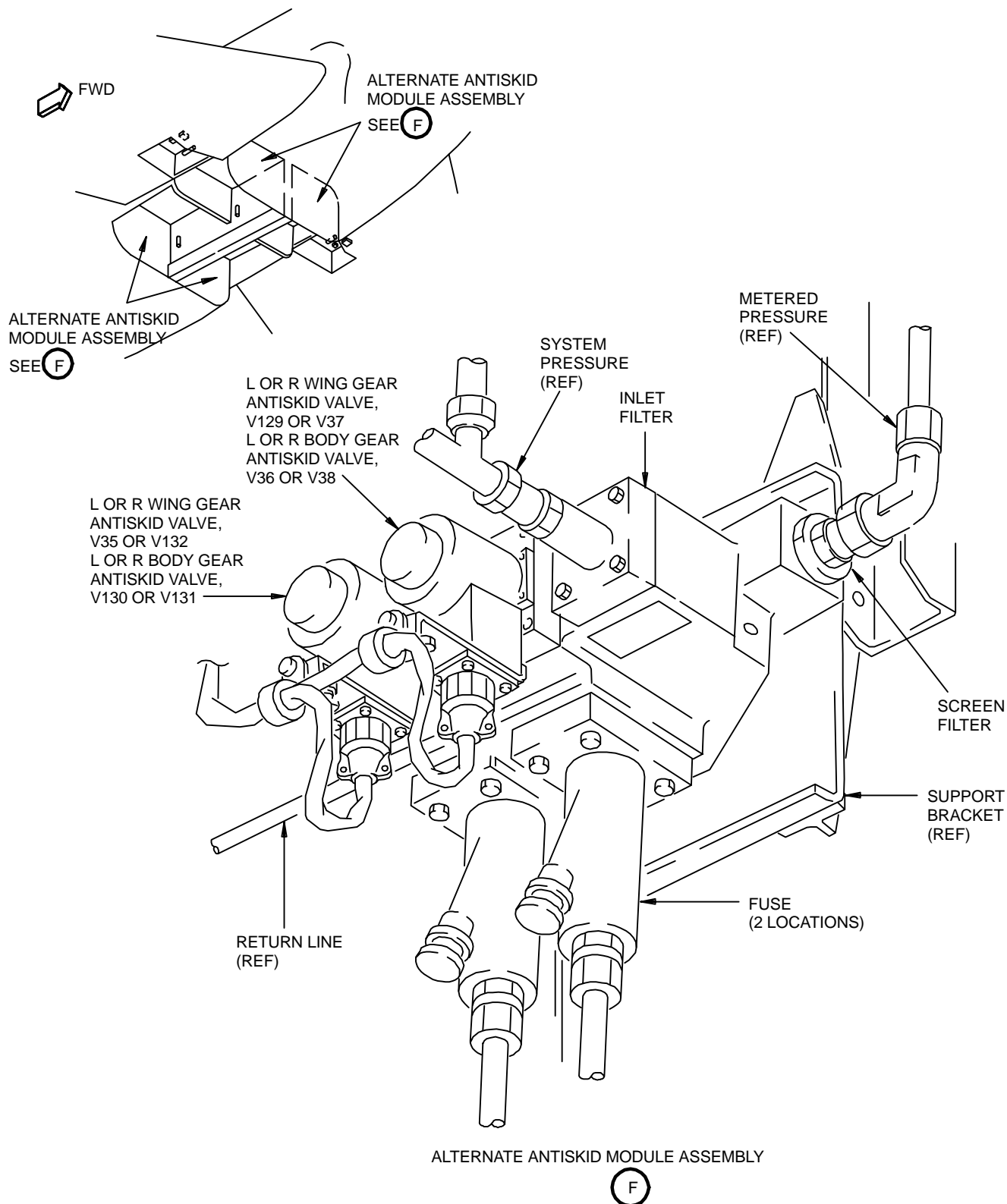


Brake Control System - Component Location
Figure 102 (Sheet 3)

Figure 102 32-42 Brake Control Sys. Comp. Location Fig. 102 (Sheet 3)

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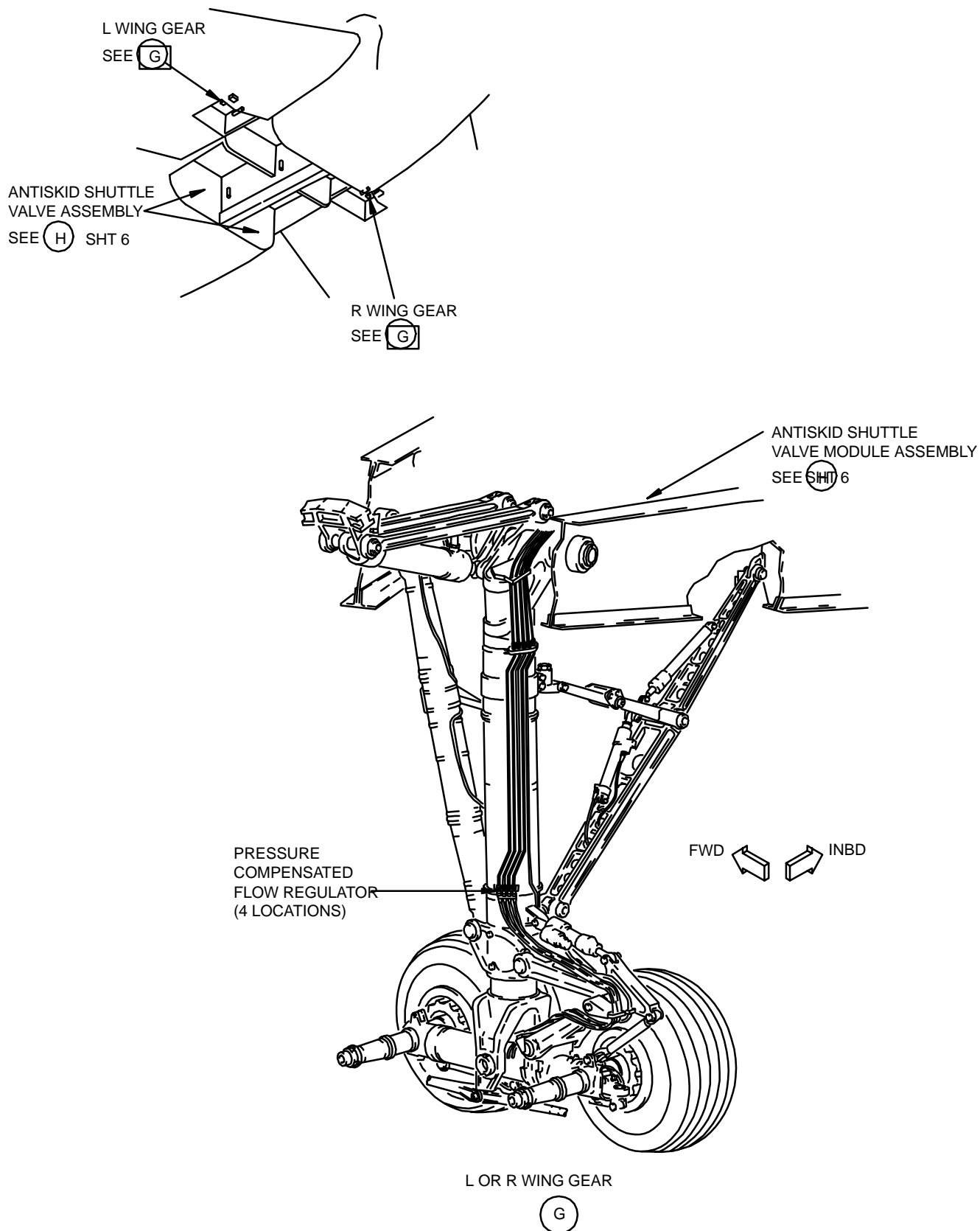


Brake Control System - Component Location
Figure 102 (Sheet 4)

Figure 103 32-42 Brake Control Sys. Comp. Location Fig. 102 (Sheet 4)

580665



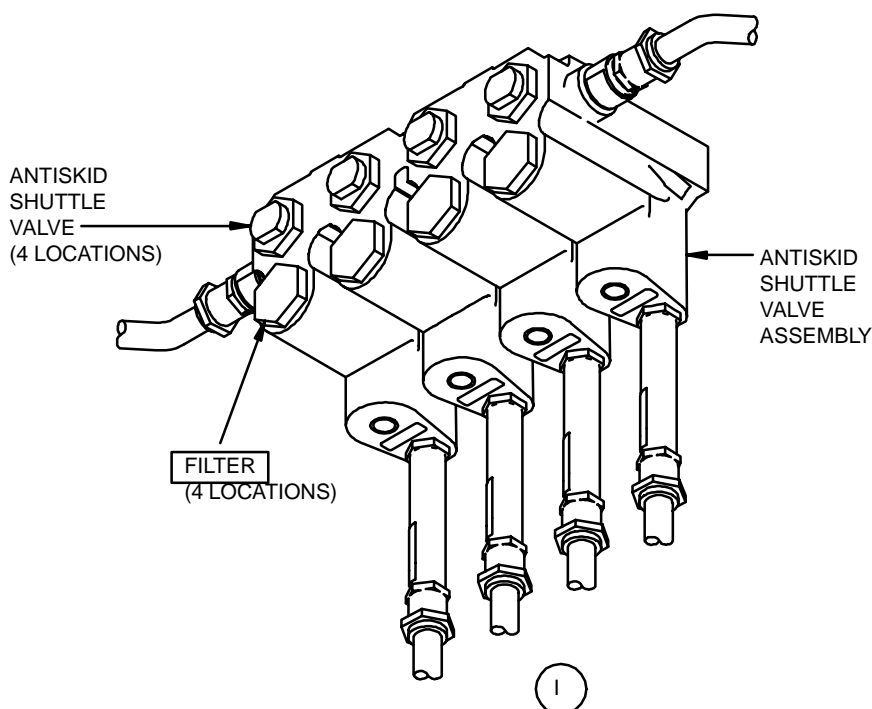
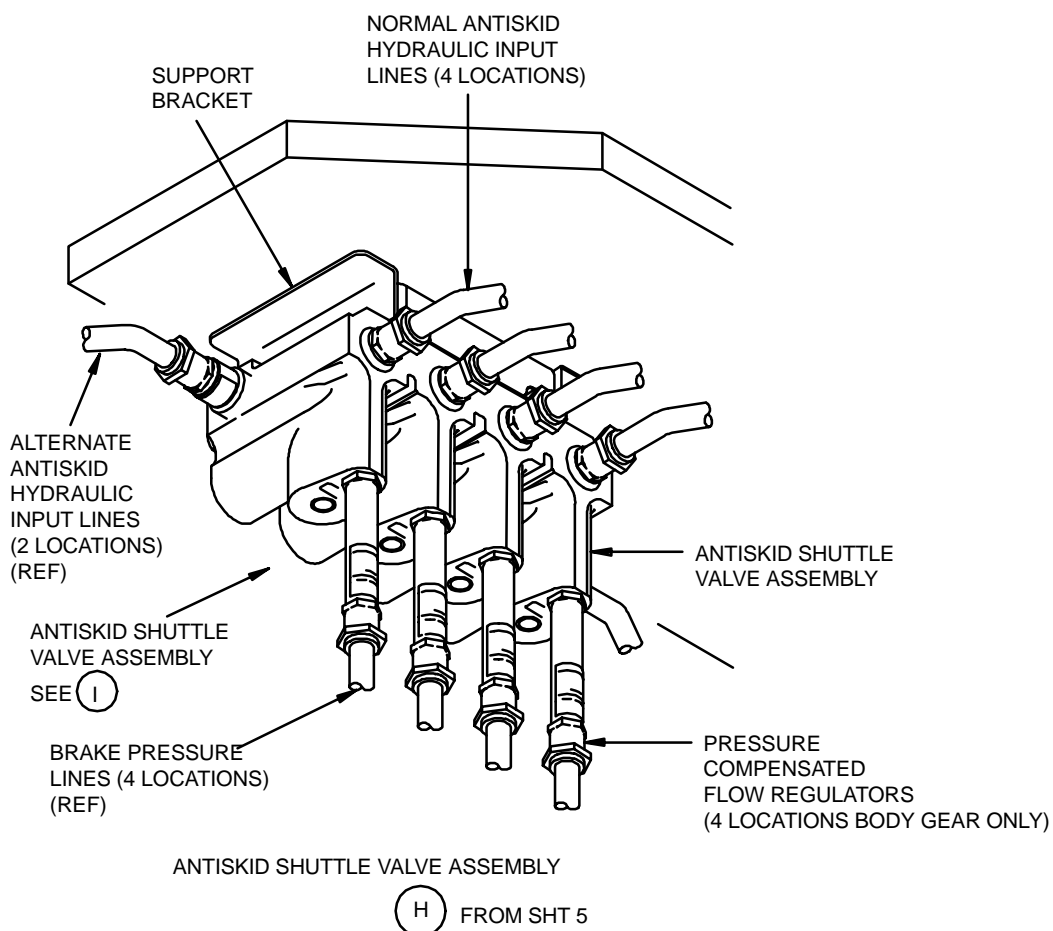


Brake Control System - Component Location
Figure 102 (Sheet 5)

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Figure 104 32-42 Brake Control Sys. Comp. Location Fig.102 (Sheet 5)



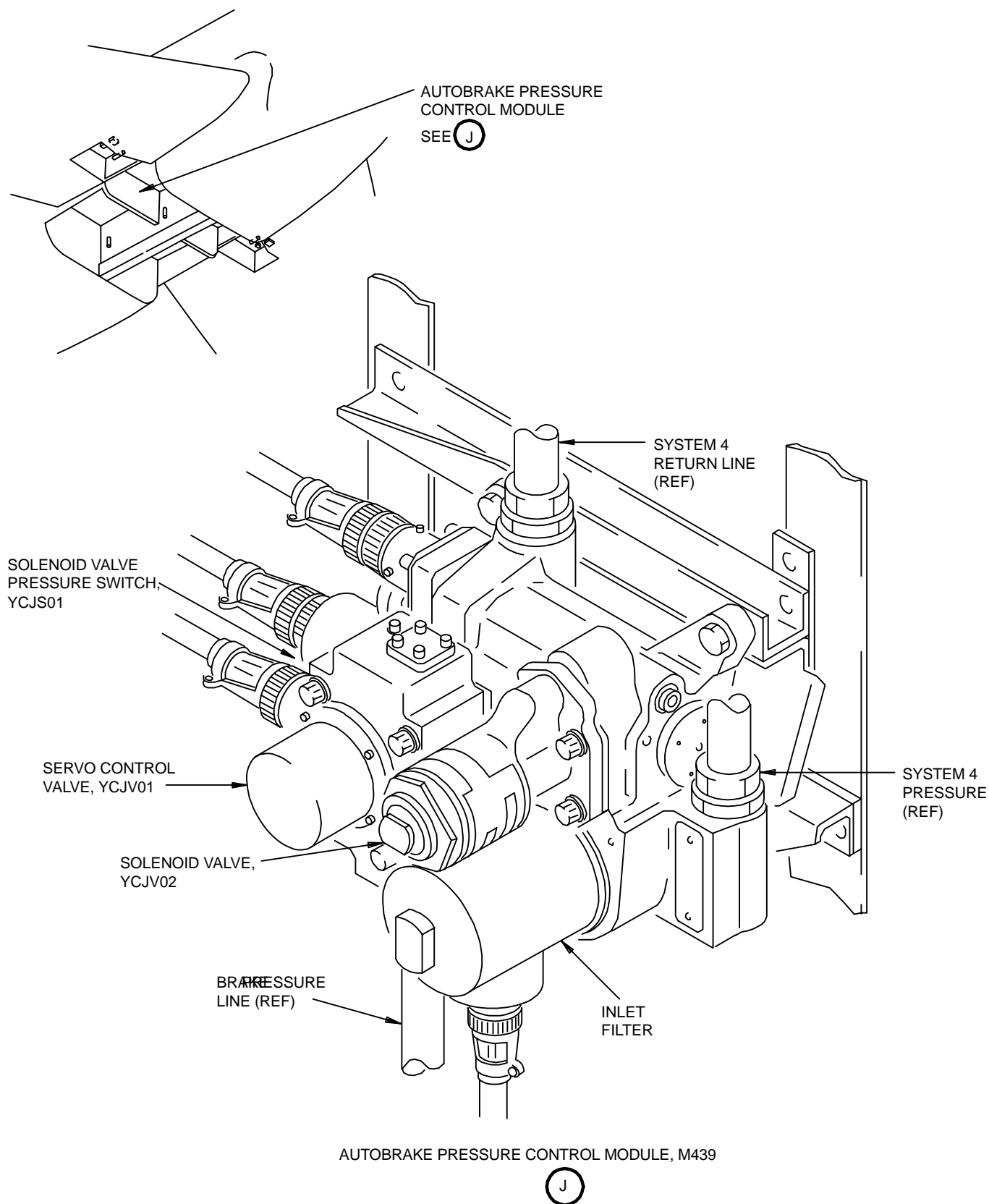


Brake Control System - Component Location
Figure 102 (Sheet 6)

Figure 105 32-42 Brake Control Sys. Comp. Location Fig. 102 (Sheet 6)

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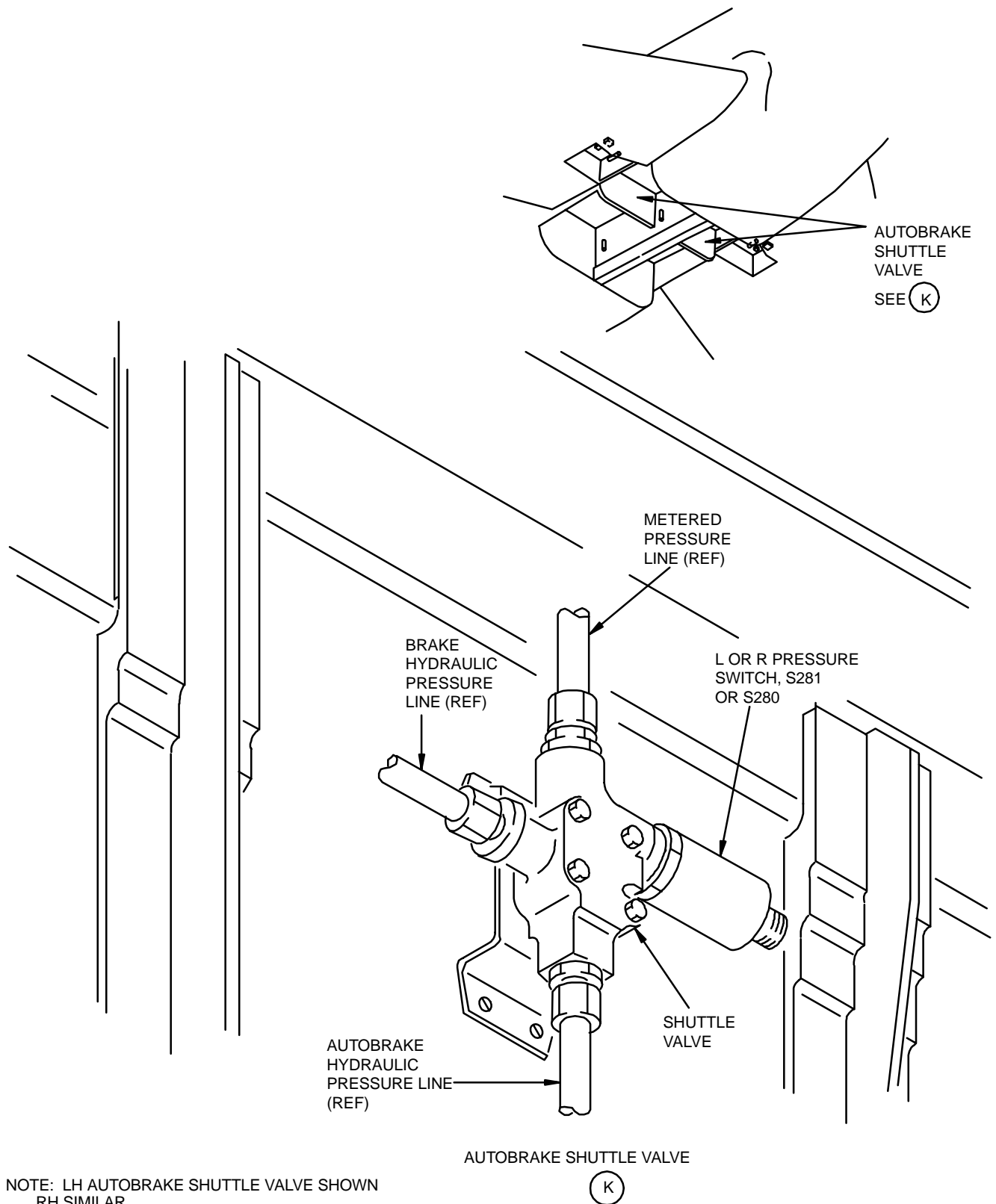


Brake Control System - Component Location
Figure 102 (Sheet 7)

Figure 106 32-42 Brake Control Sys. Comp. Location Fig. 102 (Sheet 7)

580678



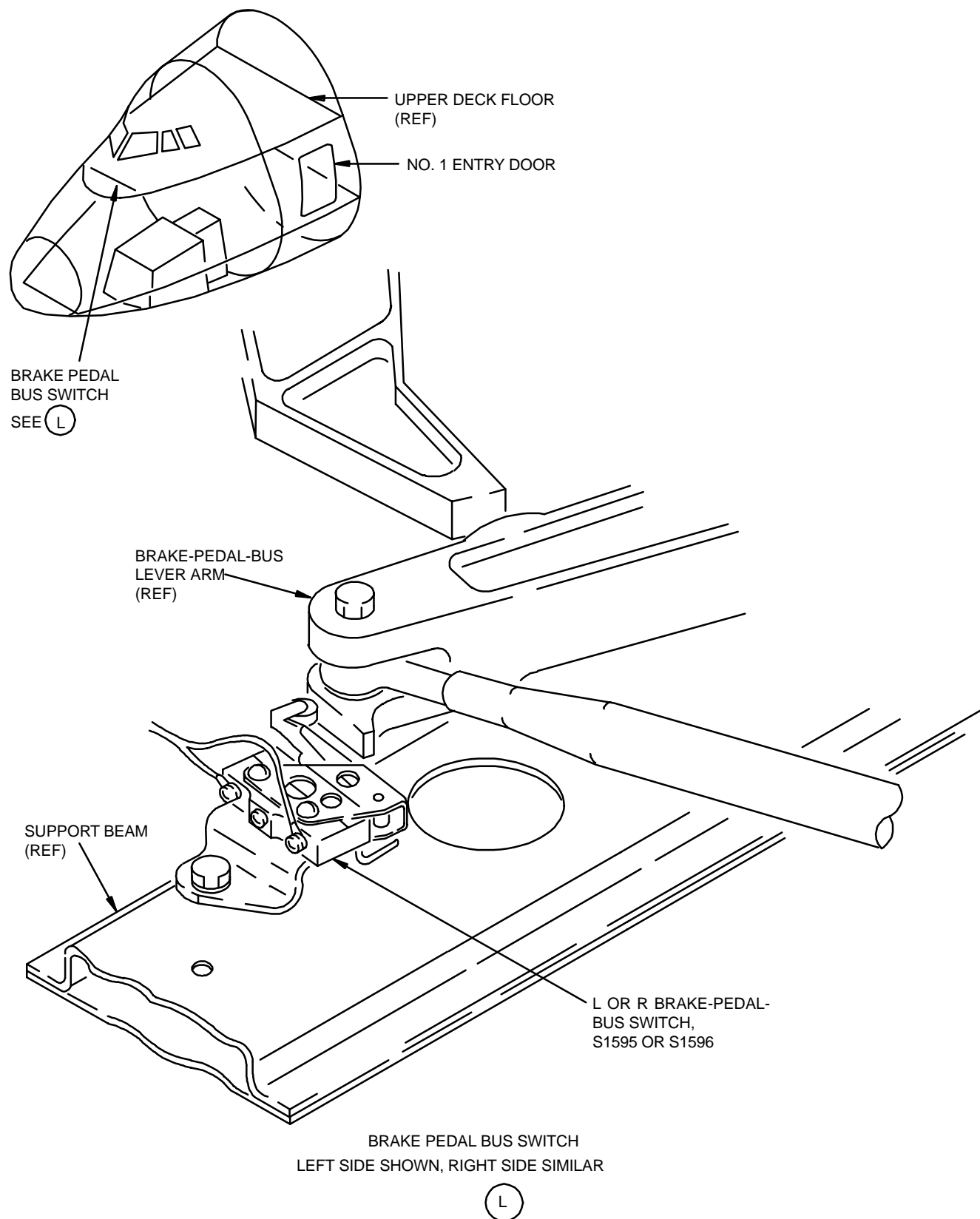


Brake Control System - Component Location
Figure 102 (Sheet 8)

Figure 107 32-42 Brake Control Sys. Comp. Location Fig. 102 (Sheet 8)

580681



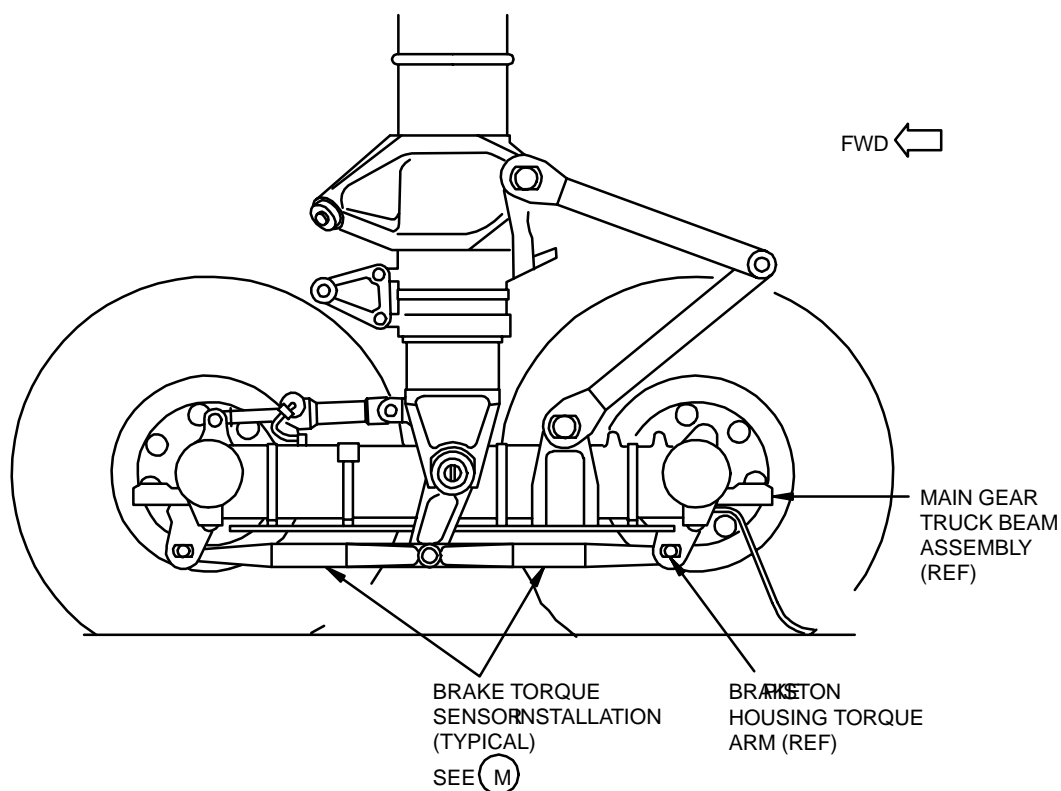


Brake Control System - Component Location
Figure 102 (Sheet 9)

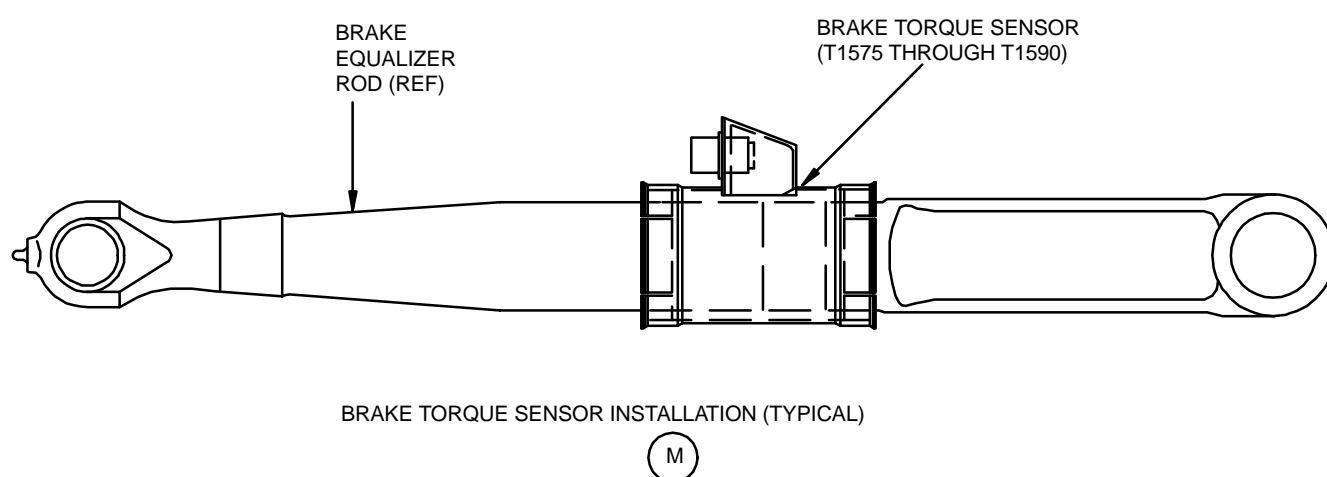
Figure 108 32-42 Brake Control Sys. Comp. Location Fig. 102 (Sheet 9)

580686





WING GEAR SHOWN, BODY GEAR SIMILAR

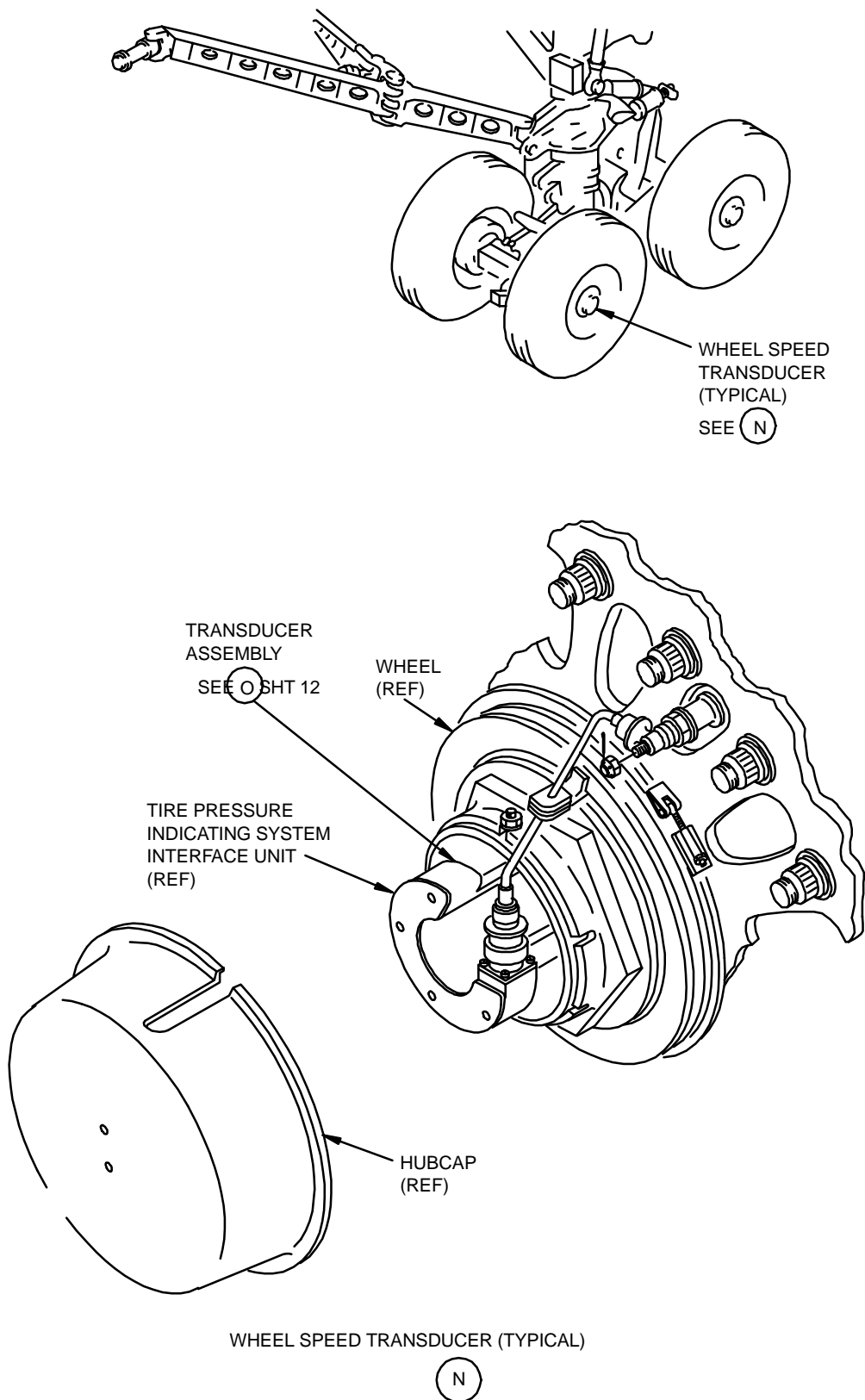


Brake Control System - Component Location
Figure 102 (Sheet 10)

Figure 109 32-42 Brake Control Sys. Comp. Location Fig. 102 (Sheet 10)

580696





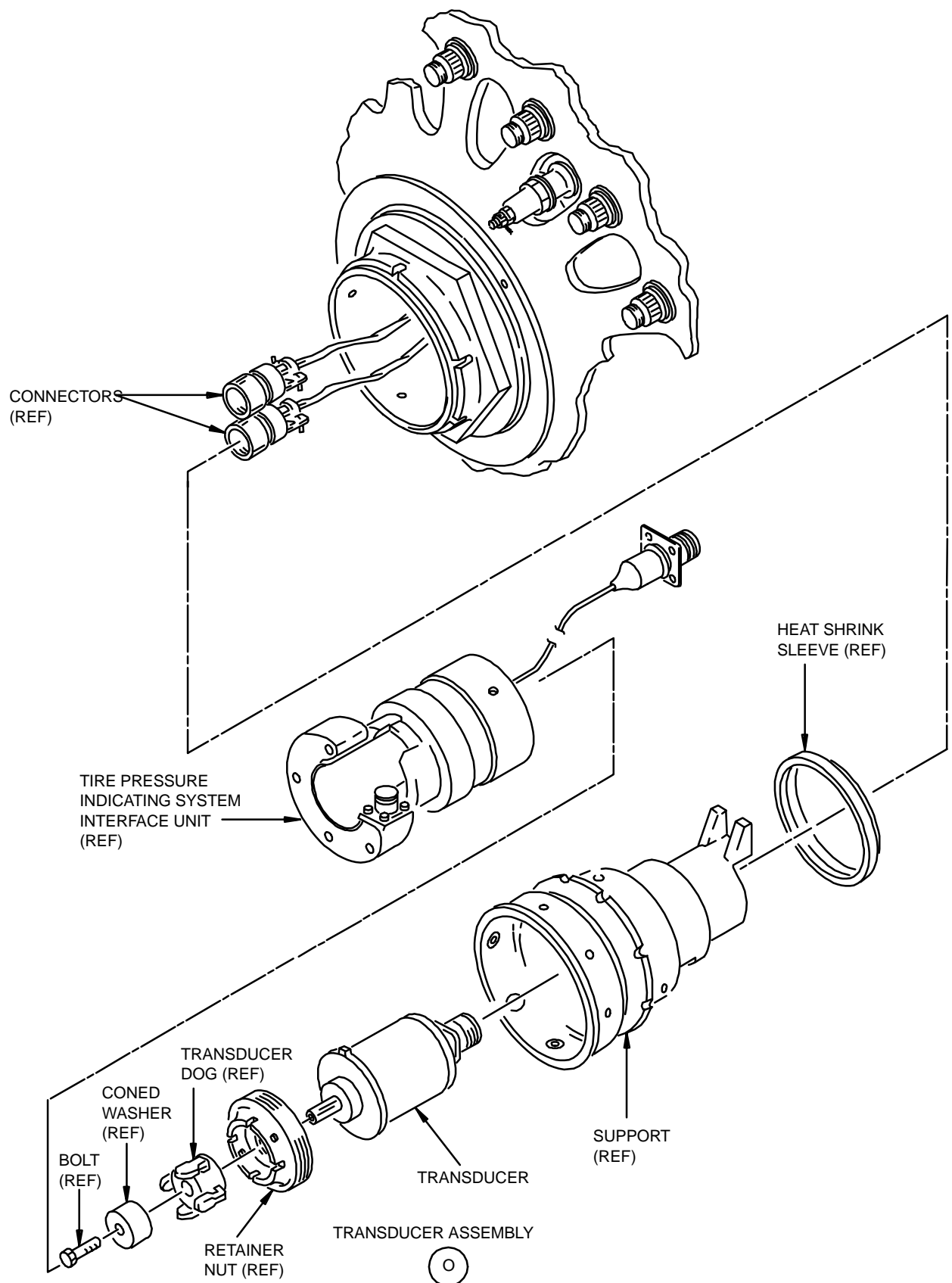
Brake Control System - Component Location

Figure 102 (Sheet 11)

580705

Figure 110 32-42 Brake Control Sys. Comp. Location Fig. 102 (Sheet 11)





Brake Control System - Component Location - Detail From Sht 11

Figure 102 (Sheet 12)

580711

Figure 111 32-42 Brake Control Sys. Comp. Location Fig. 102 (Sheet 12)

B747-430

32-44-00

32-44 PARKING BRAKE SYSTEM

COMPONENT INDEX AND LOCATION



PARKING BRAKE SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ACCUMULATOR - (REF 32-41-00, FIG. 101)				
HYDRAULIC BRAKE				
BRAKES - (REF 32-41-00, FIG. 101)				
CABLES - (REF 32-41-00, FIG. 101)				
CHECK VALVE - (REF 32-41-00, FIG. 101)				
CIRCUIT BREAKERS -	2		FLT COMPT, P6	
BRAKE PRESS IND, C7		1	6D23	*
PARK BRAKE, C345		1	6L18	*
CIRCUIT BREAKERS -	3		117AL, MAIN EQUIP CTR, P180	
PARK BRAKE TOWING, C10417		1	180B8	*
GAGE - (REF 32-41-00, FIG. 101)				
DIRECT READING PRESSURE				
HYD BRAKE PRESS, N120				
LEVER - PARKING BRAKE	2	1	FLT COMPT, CONTROL STAND	32-44-01
LIGHT - BRAKE ON, L1541	4	1	NOSE GEAR, P37	*
LINKAGE - PARKING BRAKE	1	1	FLT COMPT, FORWARD OF BRAKE PEDALS	32-44-02
LEVER - MANUAL OVERRIDE	3	1	RIGHT BODY GEAR WHEEL WELL	32-44-08
MODULE - PARKING BRAKE	3	1	RIGHT BODY GEAR WHEEL WELL	32-44-04
PEDALS - (REF 32-41-00, FIG. 101)				
BRAKE, CAPT AND F/O				
RELAY - (REF 31-01-39, FIG. 101)				
PARK BRAKE VALVE CLOSED, R7514				*
PARK BRAKE VALVE OPEN, R732				*
TOWING XFR, R7785				*
SWITCH - PARKING BRAKE, S313	1	1	FLT COMPT, FWD OF BRAKE PEDALS	*
TRANSMITTER - (REF 32-41-00, FIG. 101)				
VALVE - (REF 32-41-00, FIG. 101)				
ACCUMULATOR ISOLATION				
VALVE - MOTOR OPERATED SHUTOFF, V23	3	1	RIGHT BODY GEAR WHEEL WELL, PARKING BRAKE MODULE	32-44-05
VALVE - (REF 32-41-00, FIG. 101)				
ACCUMULATOR GAS CHARGING				
VALVE - THERMO PRESSURE RELIEF	3	1	RIGHT BODY GEAR WHEEL WELL	32-44-09

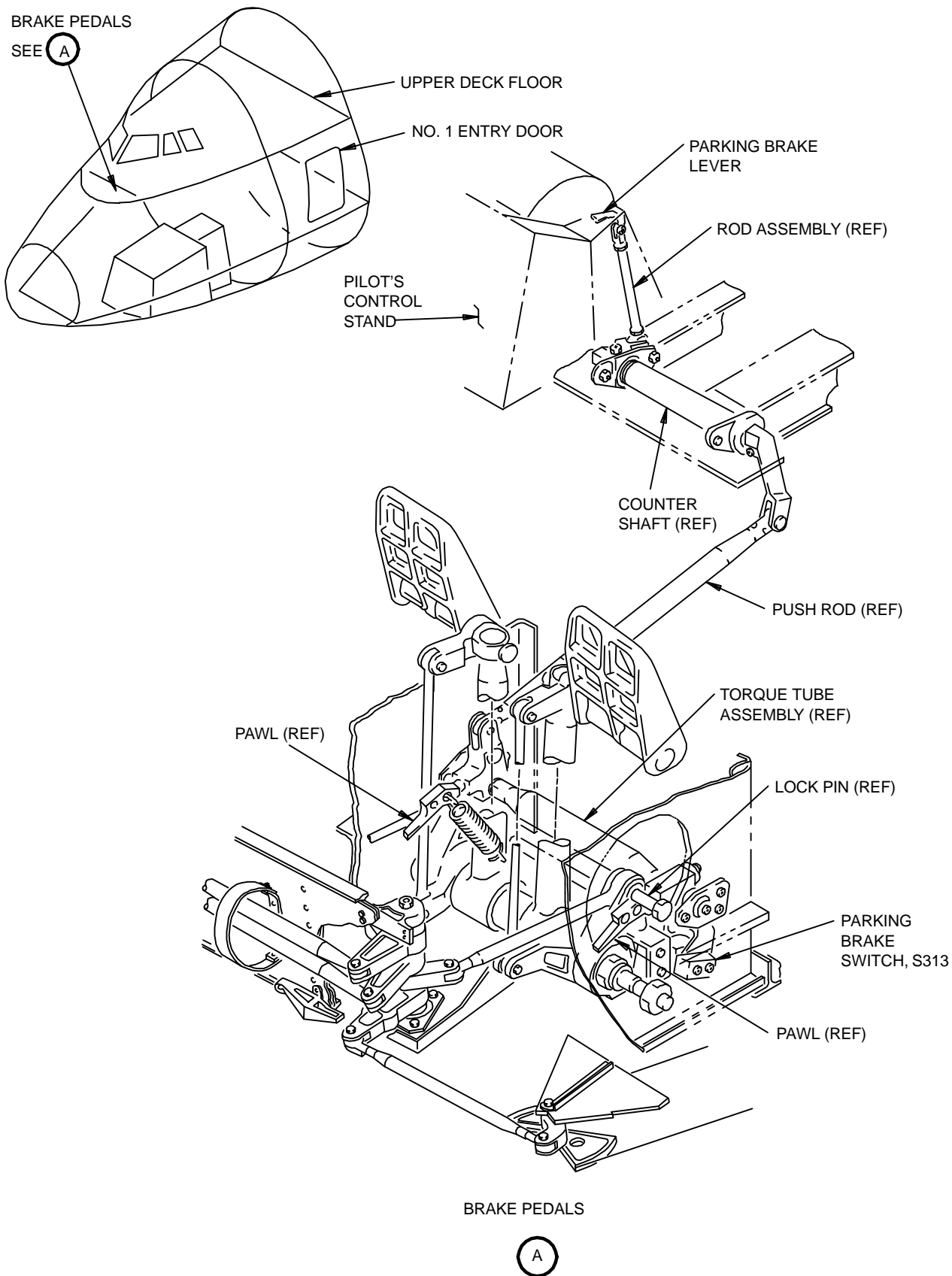
* SEE THE WDM EQUIPMENT LIST

Parking Brake System - Component Index
Figure 101 (Sheet 1)

Figure 112 32-44 Parking Brake Sys. Comp. Index Fig. 101 (Sheet 1)

845820



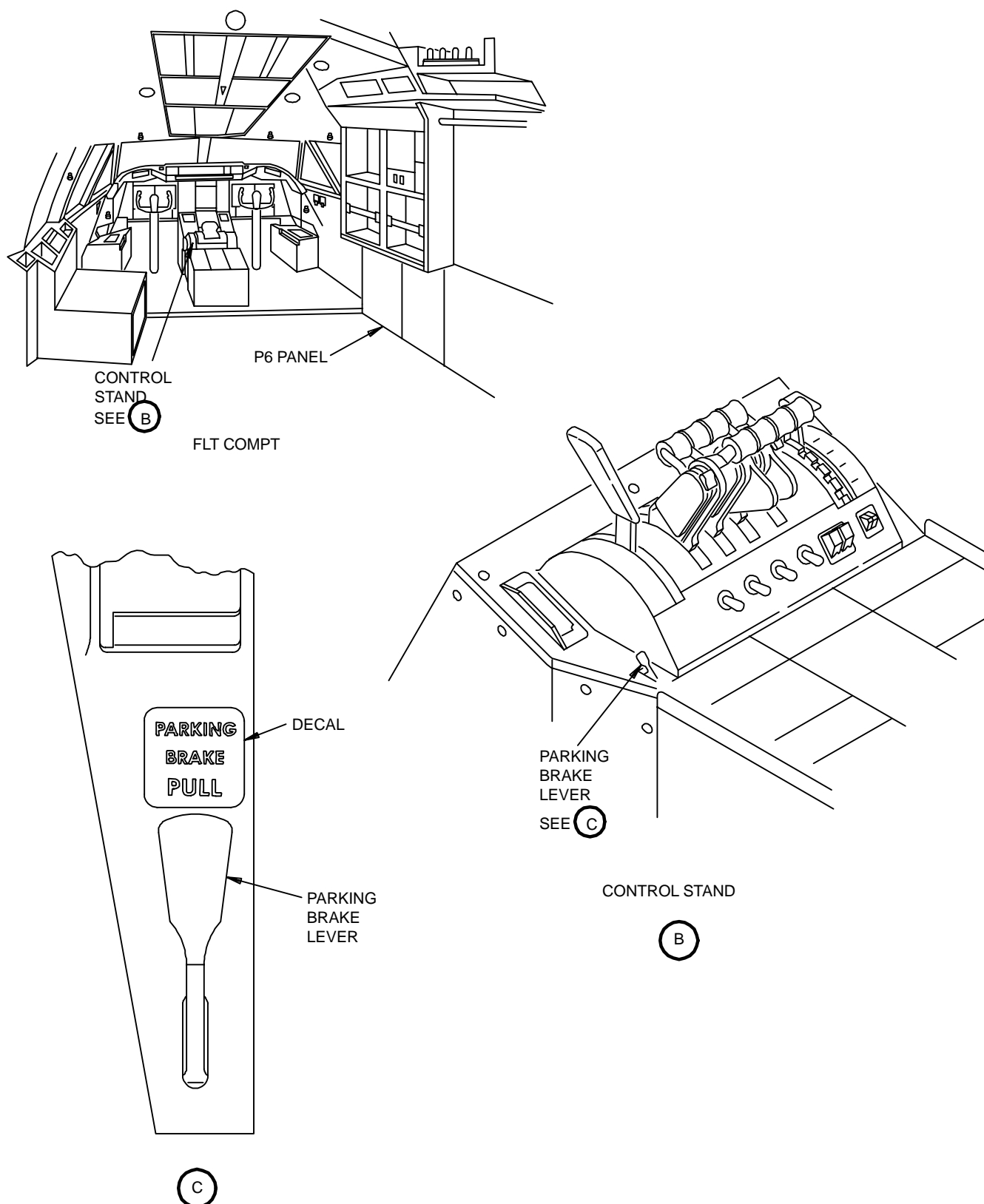


Parking Brake System - Component Location

Figure 102 (Sheet 1)

576977

Figure 113 32-44 Parking Brake Sys. Comp. Location Fig. 102 (Sheet 1)

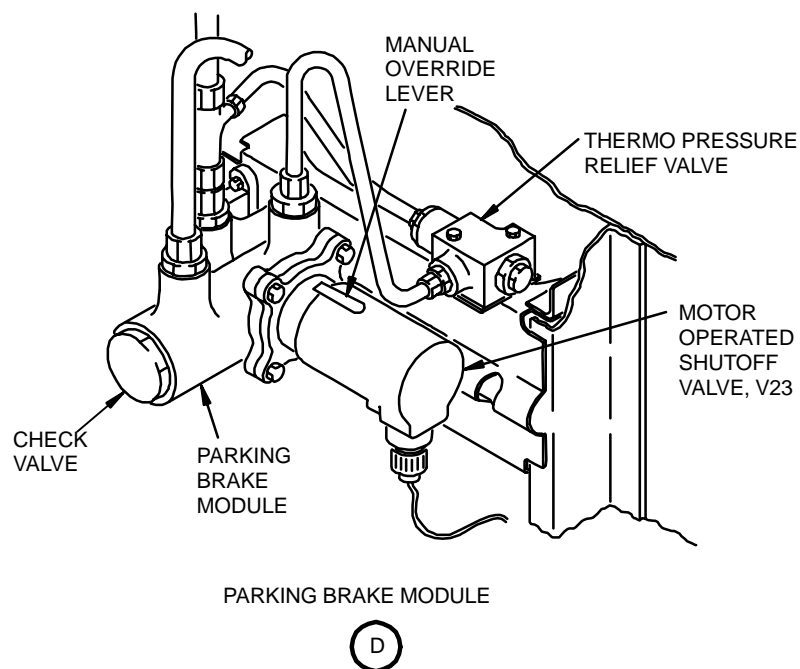
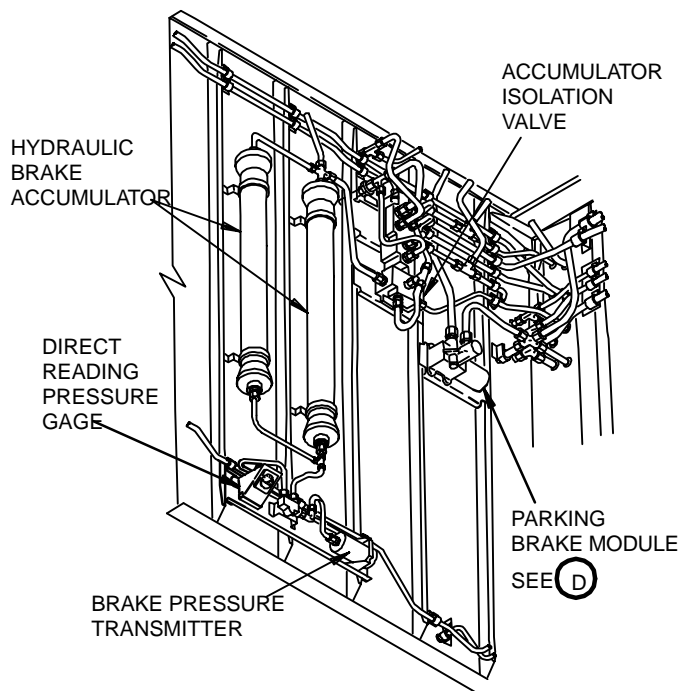


Parking Brake System - Component Location
Figure 102 (Sheet 2)

Figure 114 32-44 Parking Brake Sys. Comp. Location Fig. 102 (Sheet 2)

576980



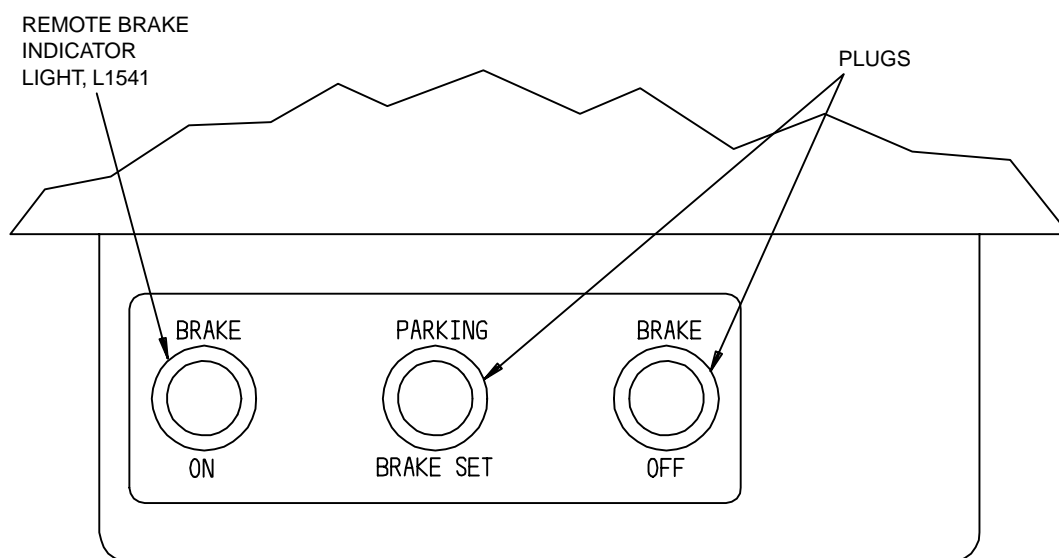
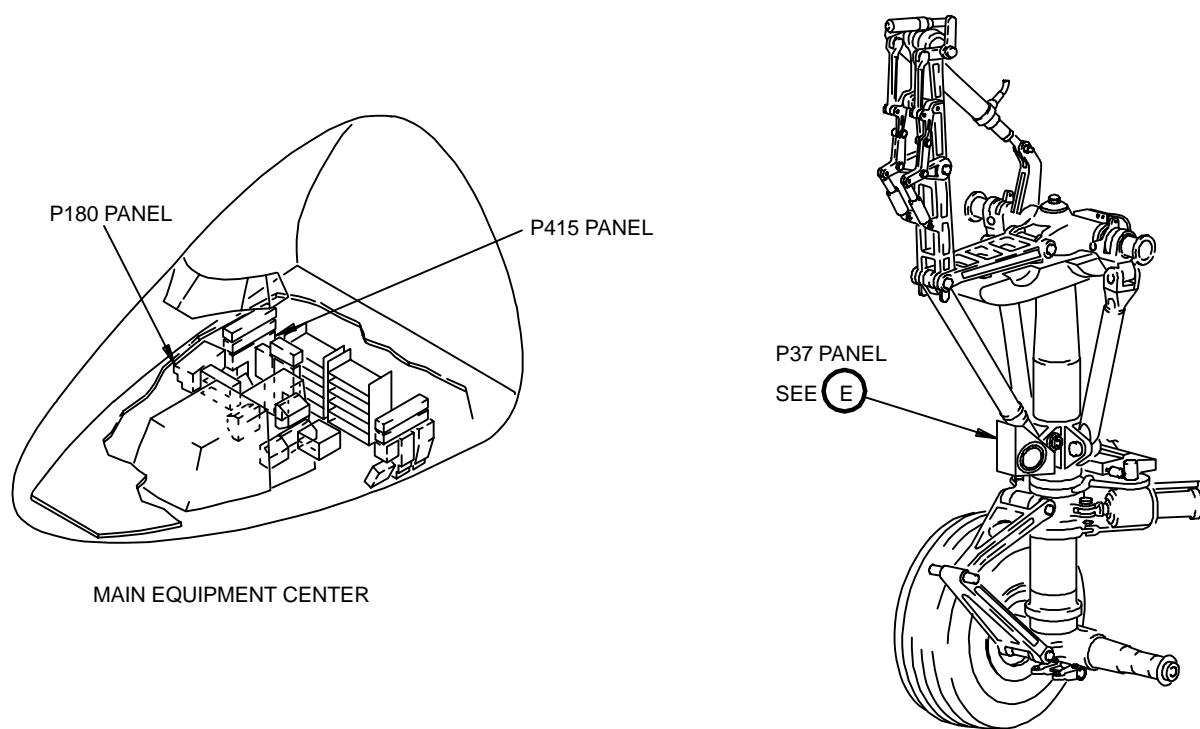


Parking Brake System - Component Location
Figure 102 (Sheet 3)

Figure 115 32-44 Parking Brake Sys. Comp. Location Fig. 102 (Sheet 3)

855178





P37 PANEL

(ON SOME AIRPLANES, THIS PANEL IS LOCATED
AFT INSTEAD OF FORWARD ON NOSE GEAR STRUT)



Parking Brake System - Component Location

Figure 102 (Sheet 4)

Figure 116 32-44 Parking Brake Sys. Comp. Location Fig. 102 (Sheet 4)

855180



B747-430

32-45-00

32-45 WHEELS AND TIRES

COMPONENT INDEX AND LOCATION



WHEELS AND TIRES

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ASSEMBLY - WHEEL & TIRE, MAIN GEAR	2	16	MAIN LANDING GEAR	32-45-01
ASSEMBLY - WHEEL & TIRE, NOSE GEAR	2	2	NOSE LANDING GEAR	32-45-02
CIRCUIT BREAKER -	1		117AL, MAIN EQUIP CTR, P180	
TIRE PRESSURE IND SYS, C10232		1	F26	*
CIRCUIT BREAKER -	1		117AL, MAIN EQUIP CTR, P414	
TIRE PRESSURE IND SYS, C10184		1	E23	*
RELAYS - (REF 31-01-36, FIG. 101)				
AIR/GND - ALT SYSTEM, R284				
PWR XFER, R7415				
SENSOR - TIRE PRESSURE 1, T1549	2	1	L WING GEAR, L FWD AXLE	32-45-1 1
SENSOR - TIRE PRESSURE 2, T1550	2	1	L WING GEAR, R FWD AXLE	32-45-1 1
SENSOR - TIRE PRESSURE 3, T1551	2	1	L WING GEAR, L AFT AXLE	32-45-1 1
SENSOR - TIRE PRESSURE 4, T1552	2	1	L WING GEAR, R AFT AXLE	32-45-1 1
SENSOR - TIRE PRESSURE 5, T1553	2	1	L BODY GEAR, L FWD AXLE	32-45-1 1
SENSOR - TIRE PRESSURE 6, T1554	2	1	L BODY GEAR, R FWD AXLE	32-45-1 1
SENSOR - TIRE PRESSURE 7, T1555	2	1	L BODY GEAR, L AFT AXLE	32-45-1 1
SENSOR - TIRE PRESSURE 8, T1556	2	1	L BODY GEAR, R AFT AXLE	32-45-1 1
SENSOR - TIRE PRESSURE 9, T1557	2	1	R BODY GEAR, L FWD AXLE	32-45-1 1
SENSOR - TIRE PRESSURE 10, T1558	2	1	R BODY GEAR, R FWD AXLE	32-45-1 1
SENSOR - TIRE PRESSURE 11, T1559	2	1	R BODY GEAR, L AFT AXLE	32-45-1 1
SENSOR - TIRE PRESSURE 12, T1560	2	1	R BODY GEAR, R AFT AXLE	32-45-1 1
SENSOR - TIRE PRESSURE 13, T1561	2	1	R WING GEAR, L FWD AXLE	32-45-1 1
SENSOR - TIRE PRESSURE 14, T1562	2	1	R WING GEAR, R FWD AXLE	32-45-1 1
SENSOR - TIRE PRESSURE 15, T1563	2	1	R WING GEAR, L AFT AXLE	32-45-1 1
SENSOR - TIRE PRESSURE 16, T1564	2	1	R WING GEAR, R AFT AXLE	32-45-1 1
SENSOR - TIRE PRESSURE 17, T1565	2	1	NOSE GEAR, L AXLE	32-45-12
SENSOR - TIRE PRESSURE 18, T1566	2	1	NOSE GEAR, R AXLE	32-45-12
SNUBBER - NOSE GEAR TIRE	2	2	711,712 NOSE GEAR WHEEL WELL	32-45-05

* SEE WDM EQUIPMENT LIST

Wheels and Tires - Component Index
Figure 101 (Sheet 1)

Figure 117 32-45 Wheels and Tires Comp. Index Fig. 101 (Sheet 1)

686171



WHEELS AND TIRES

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
UNIT - (REF 31-61-00, FIG. 101) C EFIS/EICAS INTERFACE, M7352 L EFIS/EICAS INTERFACE, M7353 R EFIS/EICAS INTERFACE, M7351				
UNIT - TIRE PRESSURE MONITOR, M7877	1	1	117AL, MAIN EQUIP CTR E2-6	32-45-10
UNIT - WHEEL INTERFACE 1, T1527	2	1	L WING GEAR, L FWD AXLE	32-45-13
UNIT - WHEEL INTERFACE 2, T1528	2	1	L WING GEAR, R FWD AXLE	32-45-13
UNIT - WHEEL INTERFACE 3, T1529	2	1	L WING GEAR, L AFT AXLE	32-45-13
UNIT - WHEEL INTERFACE 4, T1530	2	1	L WING GEAR, R AFT AXLE	32-45-13
UNIT - WHEEL INTERFACE 5, T1531	2	1	L BODY GEAR, L FWD AXLE	32-45-13
UNIT - WHEEL INTERFACE 6, T1532	2	1	L BODY GEAR, R FWD AXLE	32-45-13
UNIT - WHEEL INTERFACE 7, T1533	2	1	L BODY GEAR, L AFT AXLE	32-45-13
UNIT - WHEEL INTERFACE 8, T1534	2	1	L BODY GEAR, R AFT AXLE	32-45-13
UNIT - WHEEL INTERFACE 9, T1535	2	1	R BODY GEAR, L FWD AXLE	32-45-13
UNIT - WHEEL INTERFACE 10, T1536	2	1	R BODY GEAR, R FWD AXLE	32-45-13
UNIT - WHEEL INTERFACE 11, T1537	2	1	R BODY GEAR, L AFT AXLE	32-45-13
UNIT - WHEEL INTERFACE 12, T1538	2	1	R BODY GEAR, R AFT AXLE	32-45-13
UNIT - WHEEL INTERFACE 13, T1539	2	1	R WING GEAR, L FWD AXLE	32-45-13
UNIT - WHEEL INTERFACE 14, T1540	2	1	R WING GEAR, R FWD AXLE	32-45-13
UNIT - WHEEL INTERFACE 15, T1541	2	1	R WING GEAR, L AFT AXLE	32-45-13
UNIT - WHEEL INTERFACE 16, T1542	2	1	R WING GEAR, R AFT AXLE	32-45-13
UNIT - WHEEL INTERFACE 17, T1543	2	1	NOSE GEAR, L AXLE	32-45-14
UNIT - WHEEL INTERFACE 18, T1544	2	1	NOSE GEAR, R AXLE	32-45-14
VALVE - TIRE INFLATION	2	16	MAIN LANDING GEAR	32-45-08
VALVE - TIRE INFLATION	2	2	NOSE LANDING GEAR ¹	32-45-08
VALVE - TIRE INFLATION/SENSOR HOLDER	2	2	NOSE LANDING GEAR ²	32-45-08



AIRPLANES WITH B.F. GOODRICH WHEELS
ON NOSE LANDING GEAR



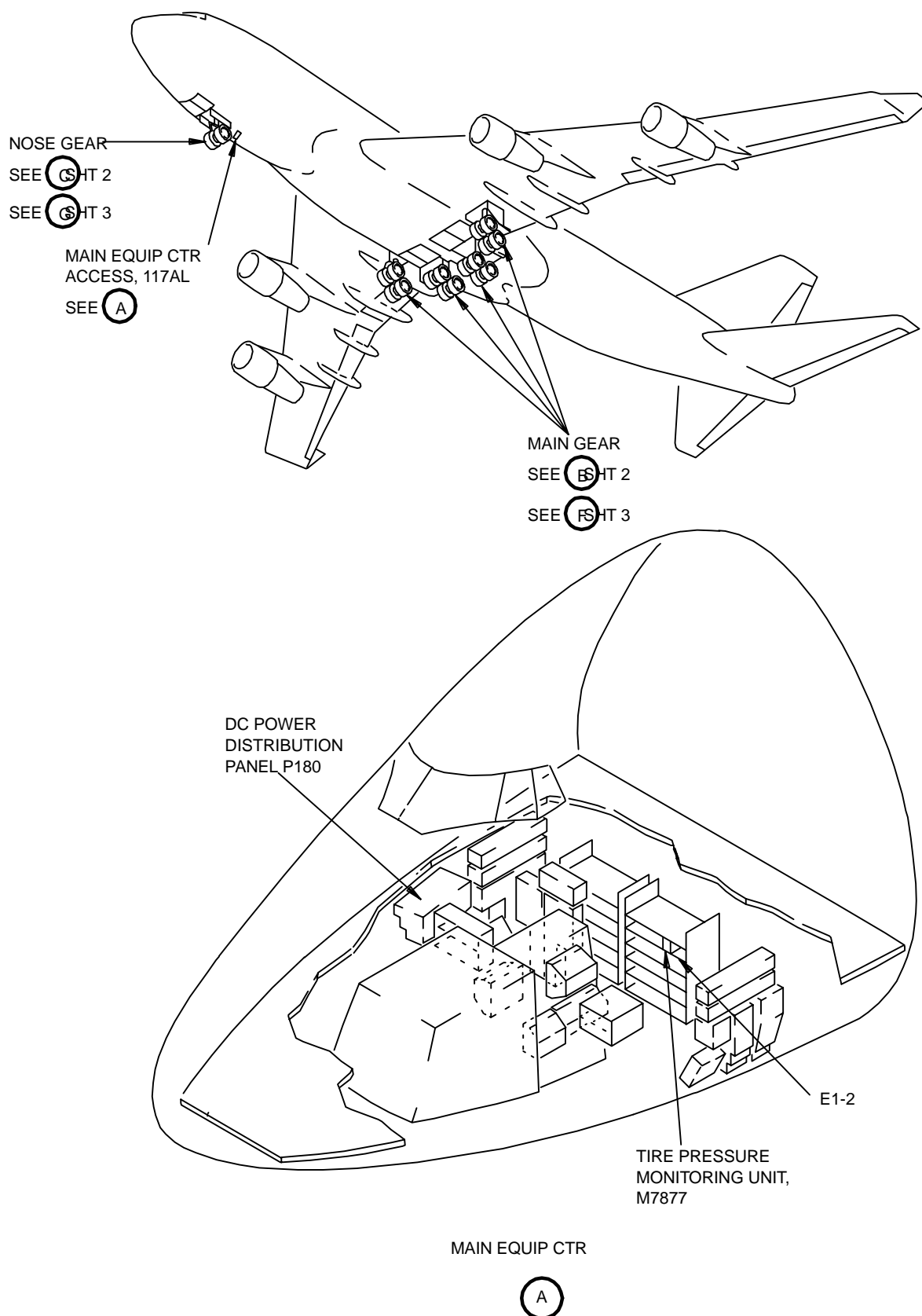
AIRPLANES WITH BENDIX WHEELS ON
NOSE LANDING GEAR

Wheels and Tires - Component Index
Figure 101 (Sheet 2)

Figure 118 32-45 Wheels and Tires Comp. Index Fig. 101 (Sheet 2)

686174





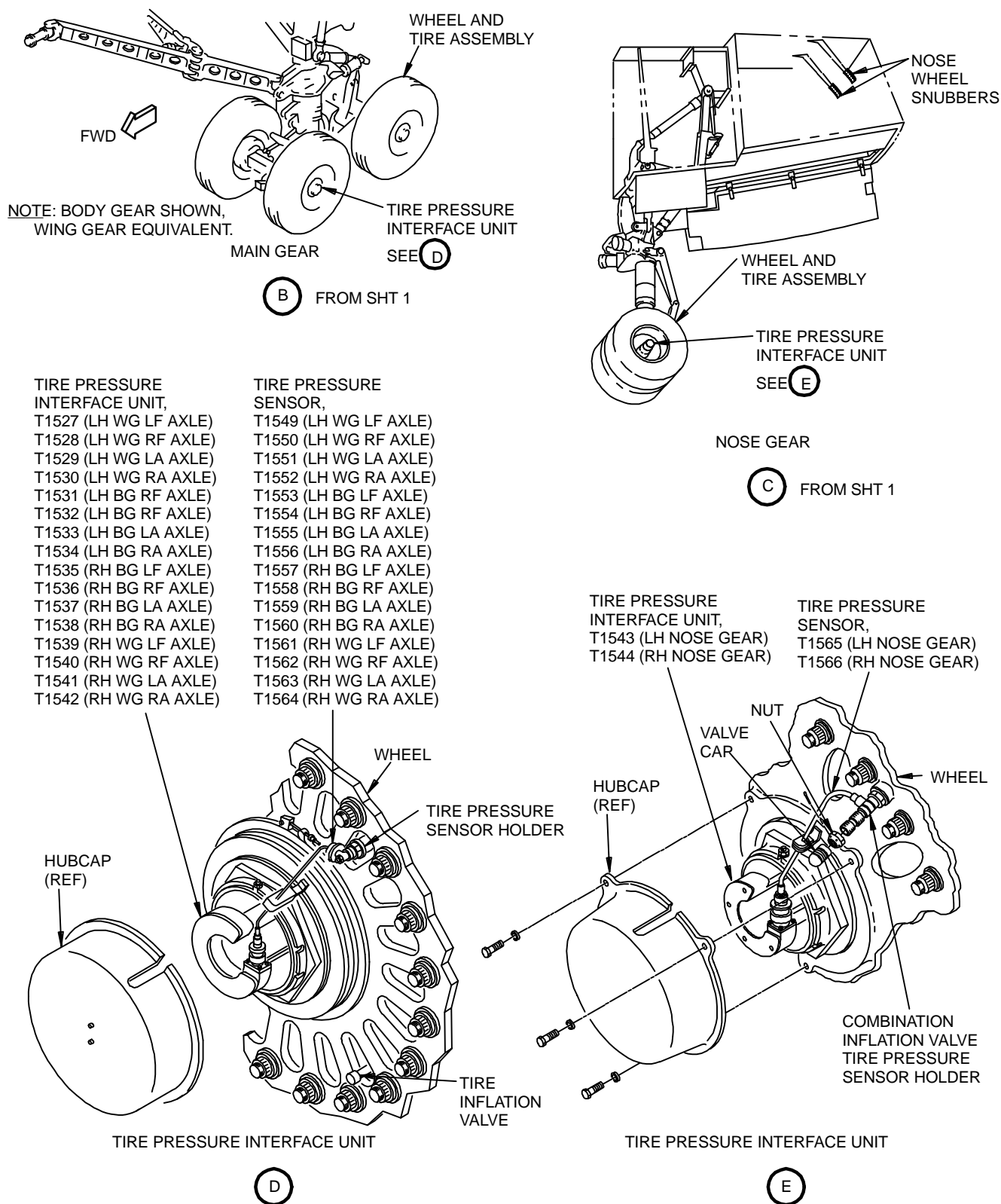
Wheels and Tires - Component Location

Figure 102 (Sheet 1)

Figure 119 32-45 Wheels and Tires Comp. Location Fig. 102 (Sheet 1)

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Wheels and Tires - Component Location
Figure 102 (Sheet 2)

Figure 120 32-45 Wheels and Tires Comp. Location Fig. 102 (Sheet 2)

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32-46 BRAKE TEMPERATURE MONITORING SYSTEM

COMPONENT INDEX AND LOCATION



BRAKE TEMPERATURE MONITORING SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
CIRCUIT BREAKER - BRAKE TEMP MONITOR, C1055	1	1	117AL, MAIN EQUIP CTR, P180 J10	*
COMPENSATOR - BRAKE TEMPERATURE, X288	2	1	L WING GEAR JUNCTION BOX	32-46-02
COMPENSATOR - BRAKE TEMPERATURE, X289	2	1	L BODY GEAR JUNCTION BOX	32-46-02
COMPENSATOR - BRAKE TEMPERATURE, X290	2	1	R BODY GEAR JUNCTION BOX	32-46-02
COMPENSATOR - BRAKE TEMPERATURE, X291	2	1	R WING GEAR JUNCTION BOX	32-46-02
SENSOR - BRAKE TEMPERATURE, T518	2	1	L WING GEAR R REAR WHEEL	32-46-01
SENSOR - BRAKE TEMPERATURE, T519	2	1	L WING GEAR R FRONT WHEEL	32-46-01
SENSOR - BRAKE TEMPERATURE, T520	2	1	L WING GEAR L FRONT WHEEL	32-46-01
SENSOR - BRAKE TEMPERATURE, T521	2	1	L WING GEAR L REAR WHEEL	32-46-01
SENSOR - BRAKE TEMPERATURE, T522	2	1	L BODY GEAR R REAR WHEEL	32-46-01
SENSOR - BRAKE TEMPERATURE, T523	2	1	L BODY GEAR R FRONT WHEEL	32-46-01
SENSOR - BRAKE TEMPERATURE, T524	2	1	L BODY GEAR L FRONT WHEEL	32-46-01
SENSOR - BRAKE TEMPERATURE, T525	2	1	L BODY GEAR L REAR WHEEL	32-46-01
SENSOR - BRAKE TEMPERATURE, T526	2	1	R BODY GEAR R REAR WHEEL	32-46-01
SENSOR - BRAKE TEMPERATURE, T527	2	1	R BODY GEAR R FRONT WHEEL	32-46-01
SENSOR - BRAKE TEMPERATURE, T528	2	1	R BODY GEAR L FRONT WHEEL	32-46-01
SENSOR - BRAKE TEMPERATURE, T529	2	1	R BODY GEAR L REAR WHEEL	32-46-01
SENSOR - BRAKE TEMPERATURE, T530	2	1	R WING GEAR R REAR WHEEL	32-46-01
SENSOR - BRAKE TEMPERATURE, T531	2	1	R WING GEAR R FRONT WHEEL	32-46-01
SENSOR - BRAKE TEMPERATURE, T532	2	1	R WING GEAR L FRONT WHEEL	32-46-01
SENSOR - BRAKE TEMPERATURE, T533	2	1	R WING GEAR L REAR WHEEL	32-46-01
STRIP - TERMINAL, T247	2	1	L WING GEAR JUNCTION BOX	*
STRIP - TERMINAL, T367	2	1	L BODY GEAR JUNCTION BOX	*
STRIP - TERMINAL, T371	2	1	R BODY GEAR JUNCTION BOX	*
STRIP - TERMINAL, T375	2	1	R WING GEAR JUNCTION BOX	*
UNIT - BRAKE TEMPERATURE MONITOR, M915	1	1	125B, CENTER EQUIP CTR, E6	32-46-03
UNITS - (31-61-00/101)				
C EFIS/EICAS INTERFACE, M7352				
L EFIS/EICAS INTERFACE, M7353				
R EFIS/EICAS INTERFACE, M7351				

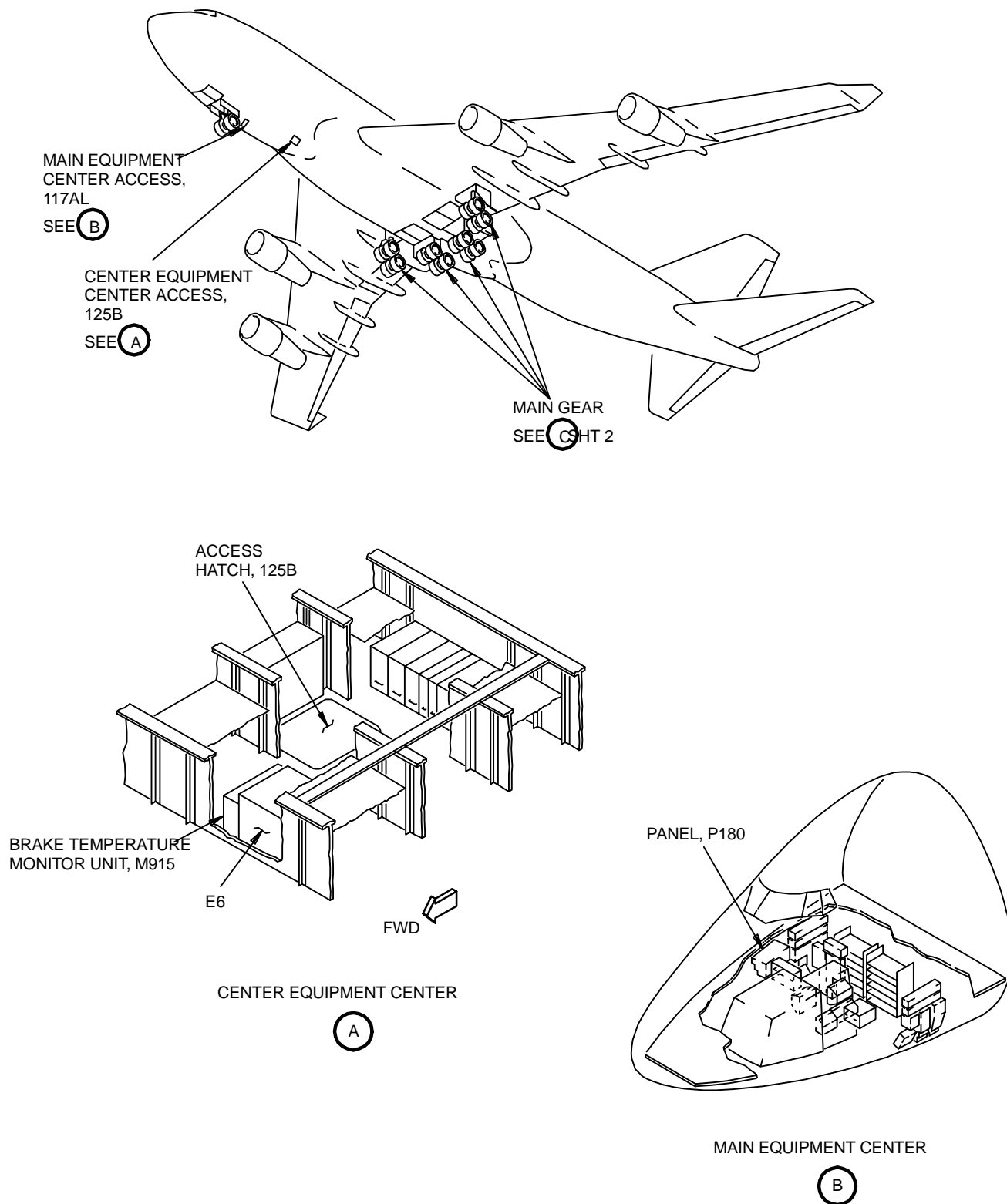
* SEE THE WDM EQUIPMENT LIST

Brake Temperature Monitoring System - Component Index
Figure 101

Figure 121 32-46 Brake Temp. Monitoring Sys. Comp. Index Fig. 101

580676



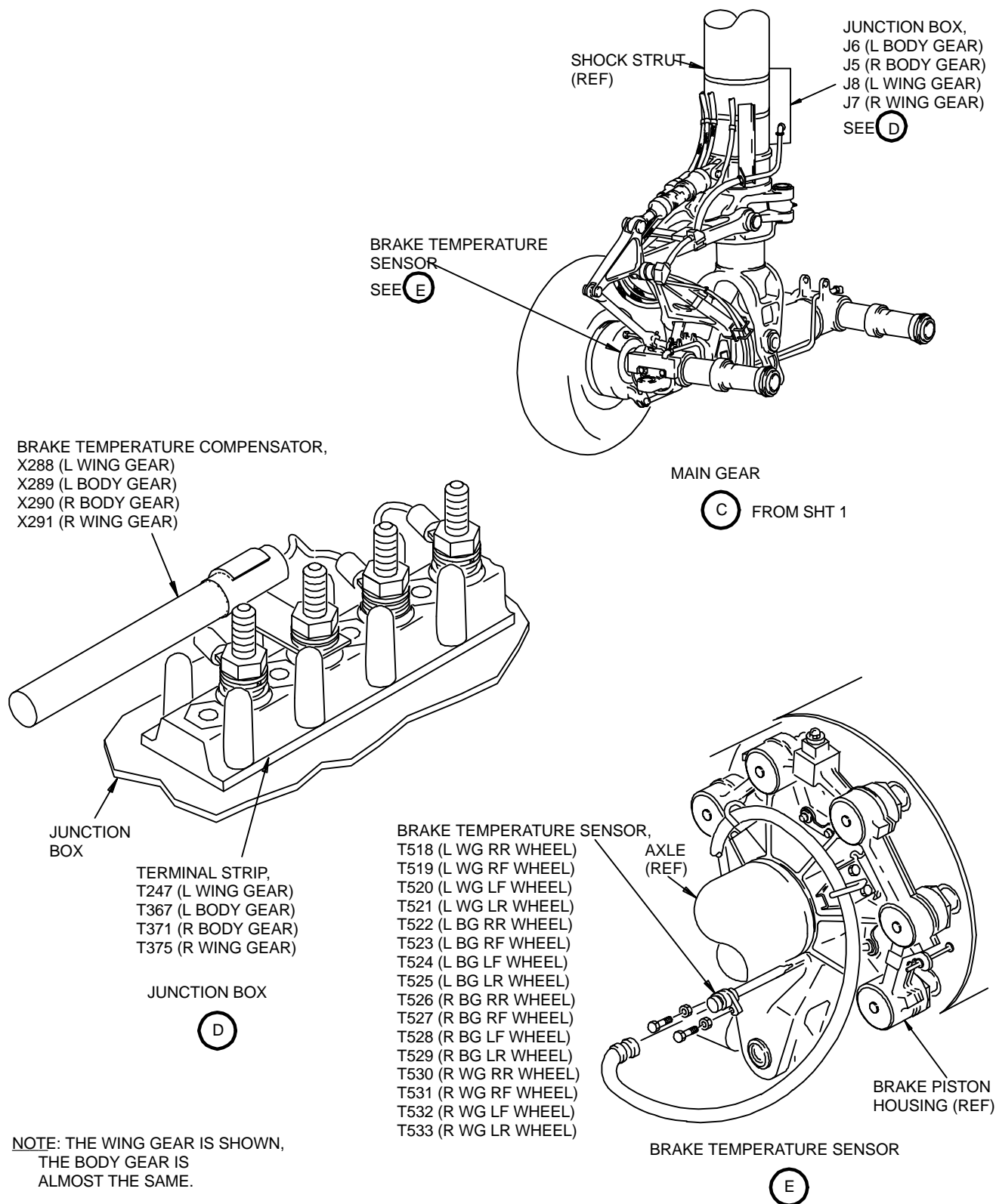


Brake Temperature Monitor System - Component Location
Figure 102 (Sheet 1)

582911

Figure 122 32-46 Brake Temp. Monitoring Sys. Comp. Location Fig. 102 (Sheet 1)





Brake Temperature Monitor System - Component Location
Figure 102 (Sheet 2)

Figure 123 32-46 Brake Temp. Monitoring Sys. Comp. Location Fig. 102 (Sheet 2)

580682



32-51 NOSE WHEEL STEERING

COMPONENT INDEX AND LOCATION



NOSE WHEEL STEERING SYSTEM

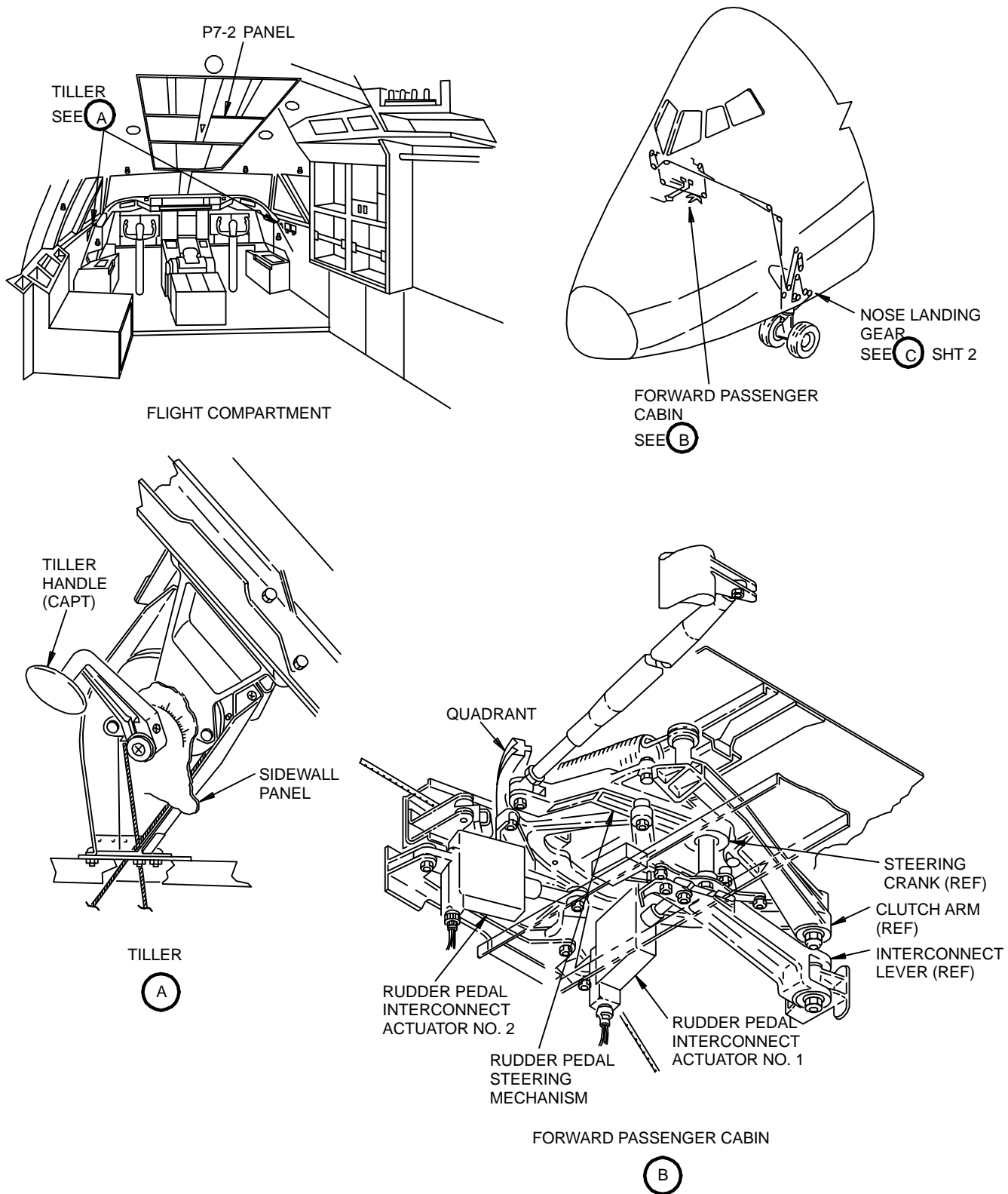
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ACTUATOR - RUDDER PEDAL INTERCONNECT, X503,H87	1	2	FWD PASS CABIN	32-51-07
ACTUATOR - STEERING	1	2	NOSE LANDING GEAR	32-51-05
ASSEMBLY - METERING VALVE COMPENSATOR	1	1	NOSE LANDING GEAR, METERING VALVE	32-51-1 1
CIRCUIT BREAKERS -	1		FLT COMPT, P7-2	
NOSE GR STRG PRI, C1212		1	7G25	
NOSE GR STRG ALTN, C2000		1	7G26	
COLLAR - STEERING	1	1	NOSE LANDING GEAR, STEERING ACTUATOR ASSEMBLY	32-51-06
COMPENSATOR - CABLE	1	1	ELECTRONICS/ELECTRICAL EQUIPMENT BAY, CABLE COMPENSATOR MECHANISM	32-51-09
DRUM - CABLE	1	2	LEFT OR RIGHT FLT COMPT	32-51-01
LINK - PIVOT	1	1	NOSE GEAR WHEEL WELL, CABLE COMPENSATOR MECHANISM	32-51-10
MECHANISM - RUDDER PEDAL STEERING RELAY (REF 31-01-39, FIG. 101)	1	1	FWD PASS CABIN	32-51-02
PRI NOSE GEAR SQUAT, R853				
ALT NOSE GEAR SQUAT, R854				
SWITCH - PEDAL STRG ACT MONITOR, S1349	1	1	FWD PASS CABIN, RUDDER PEDAL STEERING MECHANISM	*
TILLER	1	2	FLT COMPT	32-51-01
VALVE - METERING	1	1	NOSE LANDING GEAR, STEERING ACTUATOR ASSEMBLY	32-51-04

* SEE WM EQUIPMENT LIST

Nose Wheel Steering System - Component Index
Figure 101

576997

Figure 124 32-51 Nose Wheel Steering Sys. Comp. Index Fig. 101

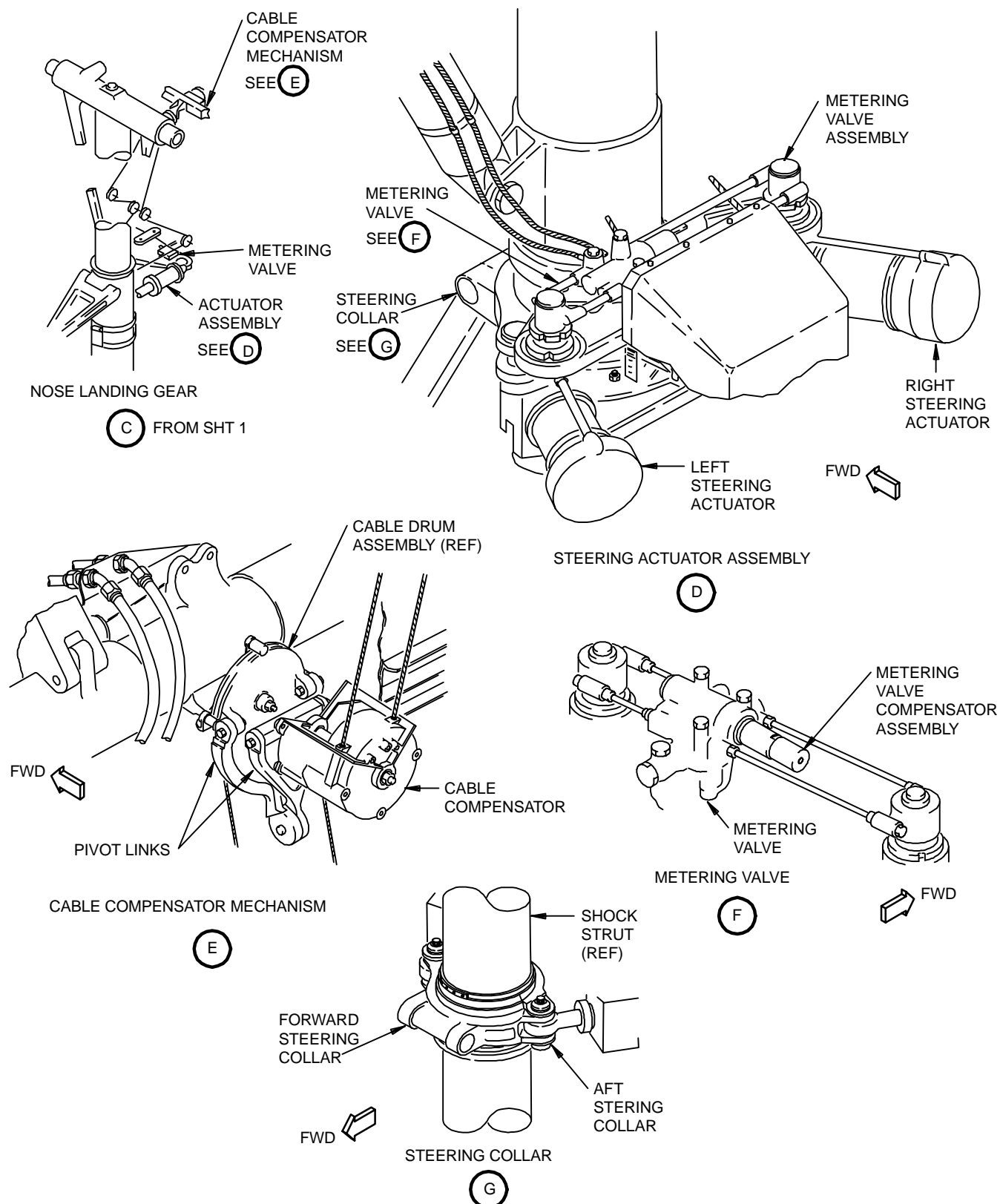


Nose Wheel Steering System
Figure 102 (Sheet 1)

575396

Figure 125 32-51 Nose Wheel Steering Sys. Comp. location Fig. 102 (Sheet 1)





Nose Wheel Steering System - Component Location
Figure 102 (Sheet 2)

Figure 126 32-51 Nose Wheel Steering Sys. Comp. Location Fig. 102 (Sheet 2)

580758



B747-430

32-53-00

BODY GEAR STEERING

COMPONENT INDEX AND LOCATION



BODY GEAR STEERING SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ACTUATORS - STEERING	2	4	BODY LANDING GEAR	32-53-1 1
ASSEMBLY - CONTROL MODULE	2	2	BODY GEAR AFT WHEEL WELL	32-53-04
ASSEMBLY - YOKE	2	2	BODY LANDING GEAR	32-53-1 1
CIRCUIT BREAKERS -	1		FLT COMPT, P7-2	
BODY GR STRG ARM DC, C1145		1	7G24	*
BODY GR STRG ARM AC, C1155		1	7G23	*
FILTER	2	2	BODY GEAR AFT WHEEL WELL, CONTROL MODULE ASSEMBLY	32-53-08
MODULE - L HYDRAULIC CONTROL, X358	2	1	LEFT BODY GEAR AFT WHEEL WELL	32-53-04
MODULE - R HYDRAULIC CONTROL, X343	2	1	RIGHT BODY GEAR AFT WHEEL WELL	32-53-04
RELAYS - (REF 31-01-39, FIG. 101)				
BODY GR STRG ARMING A, M7500				
BODY GR STRG ARMING B, M7501				
SWITCH - ALTERNATE ACTUATOR LOCK, Y1T502	3	4	BODY LANDING GEAR, INBD AND OTBD STEERING ACTUATORS	32-53-16
SWITCH - PRIMARY ACTUATOR LOCK, Y1T501	3	4	BODY LANDING GEAR, INBD AND OTBD STEERING ACTUATORS	32-53-16
SWITCH - ARMING, S808	1	1	FWD PASS CABIN	32-53-15
SWITCH - PRESSURE, YK6S01	3	2	BODY GEAR WHEEL WELL, CONTROL MODULE ASSEMBLY	32-53-05
TRANSDUCER COMMAND, T163	2	1	117AL, MAIN EQUIP CTR	32-53-01
UNIT - ELECTRONIC CONTROL, X400	2	1	LEFT BODY GEAR AFT WHEEL WELL	32-53-03
VALVE - CHECK	2	2	BODY GEAR WHEEL WELL, CONTROL MODULE ASSEMBLY	32-53-14
VALVE - SERVO, YK6V02	2	2	BODY GEAR AFT WHEEL WELL, CONTROL MODULE ASSEMBLY	32-53-07
VALVE - SOLENOID, YK6V01	2	2	BODY GEAR WHEEL WELL, CONTROL MODULE ASSEMBLY	32-53-06

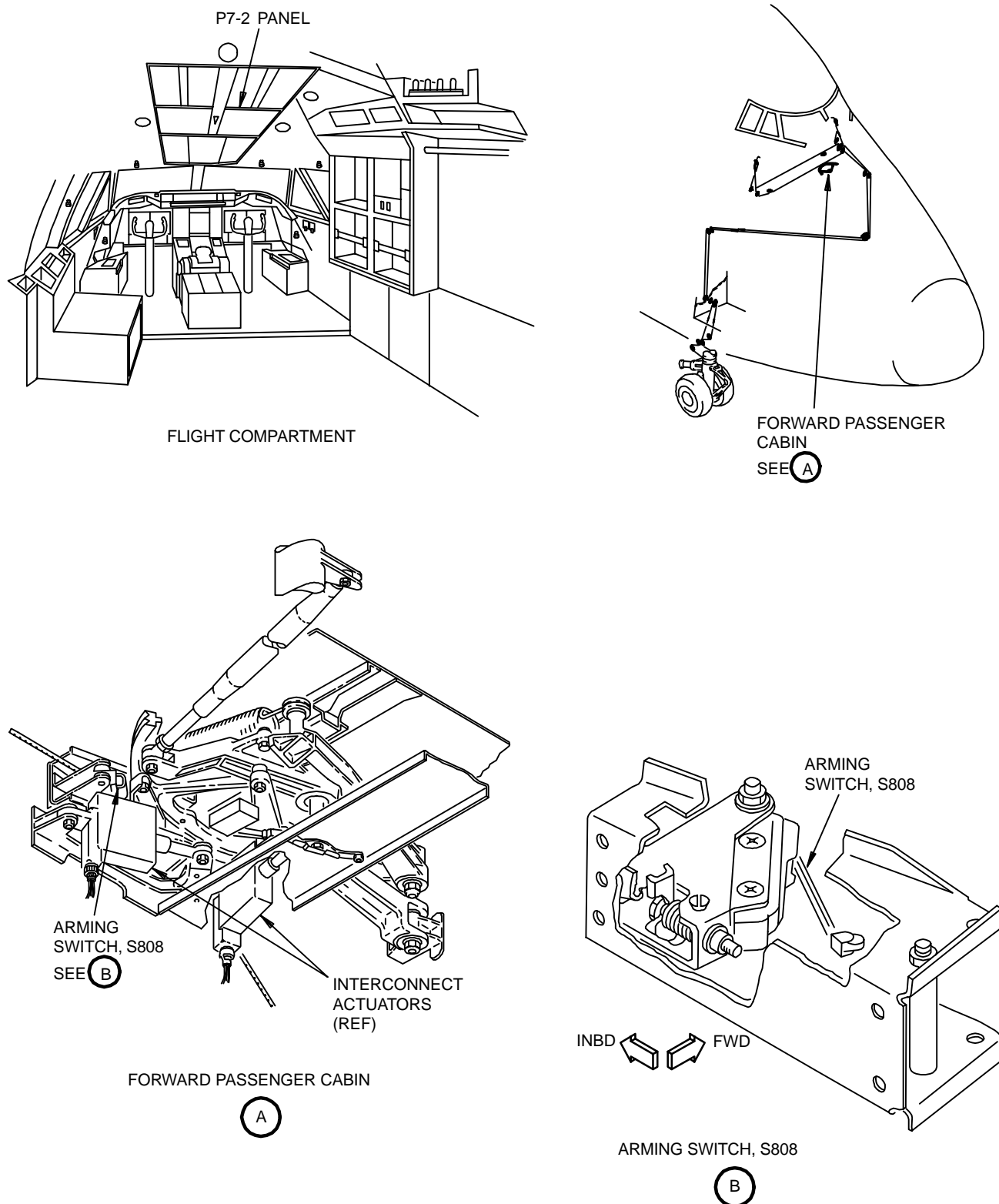
* SEE WM EQUIPMENT LIST

Body Gear Steering System - Component Index
Figure 101

Figure 127 32-53 Body Gear Steering Sys. Comp. Index Fig. 101

576998



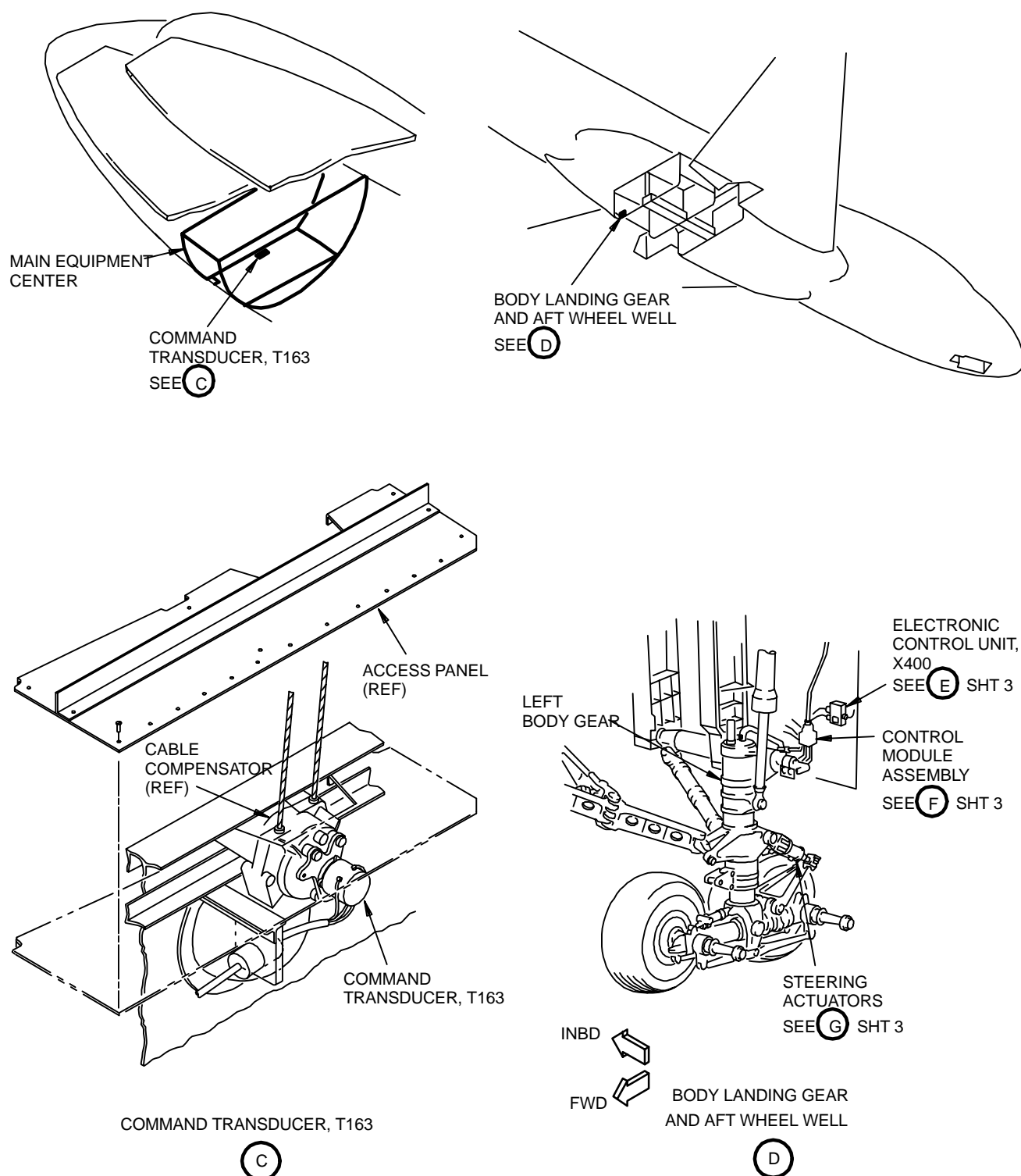


Body Gear Steering System - Component Location
Figure 102 (Sheet 1)

575402

Figure 128 32-53 Body Gear Steering Sys. Comp. Location Fig. 102 (Sheet 1)



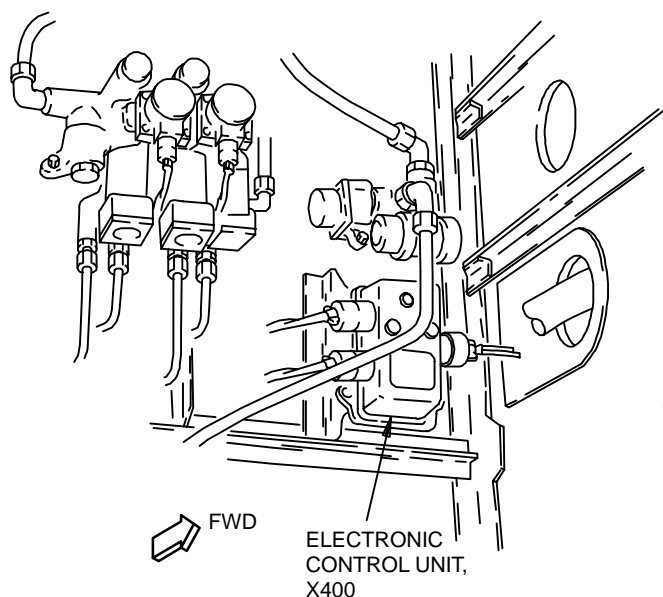


Body Gear Steering System - Component Location
Figure 102 (Sheet 2)

Figure 129 32-53 Body Gear Steering Sys. Comp. Location Fig. 102 (Sheet 2)

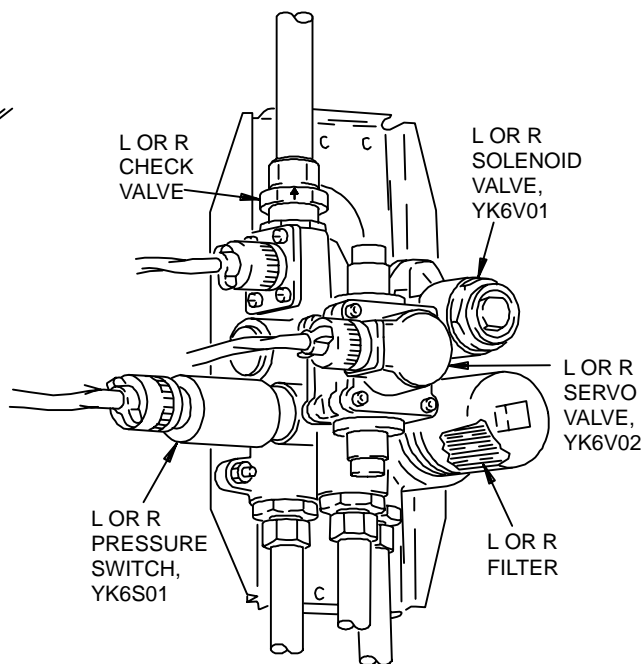
575680





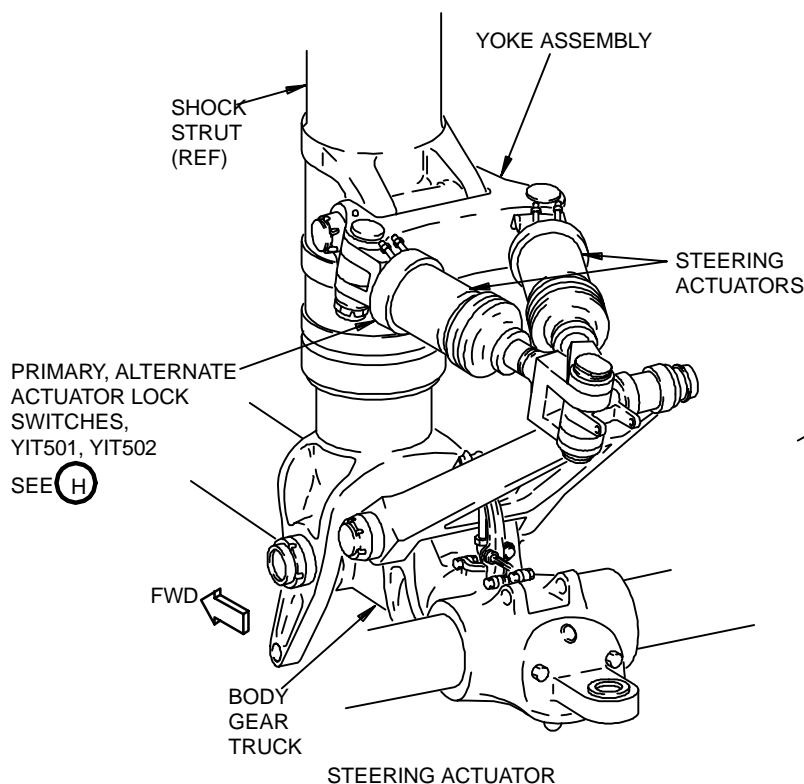
ELECTRONIC CONTROL UNIT, X400

(E) FROM SHT 2



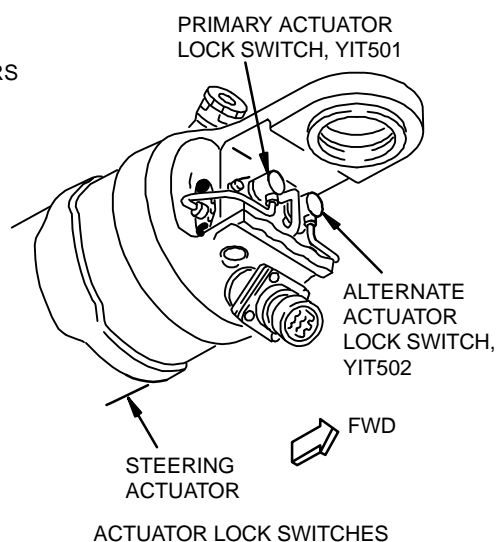
L OR R CONTROL MODULE ASSEMBLY

(F) FROM SHT 2



STEERING ACTUATOR

(G) FROM SHT 2



ACTUATOR LOCK SWITCHES

(H)

Body Gear Steering System - Component Location
Figure 102 (Sheet 3)

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Figure 130 32-53 Body Gear Steering Sys. Comp. Location Fig. 102 (Sheet 3)



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32-61-00

32-61 LANDING GEAR INDICATION

COMPONENT INDEX AND LOCATION



LANDING GEAR INDICATION SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
CIRCUIT BREAKERS -			FLT COMPT, P7	
LANDING GEAR DSP & CONT - ALT, C97		1	7F23	
LANDING GEAR DSP & CONT - PRI, C100		1	7F22	
DISPLAY - (REF 31-61-00, FIG. 101)				*
AUXILIARY EICAS, M7346				*
MAIN EICAS, M7345				
SENSOR - BODY GEAR DOOR WARNING ALTERNATE - LH, S428	1	1	L AND R BODY GEAR WHEEL WELL	32-61-31
SENSOR - BODY GEAR DOOR WARNING ALTERNATE - RH, S427	1	1	L AND R BODY GEAR WHEEL WELL	32-61-31
SENSOR - BODY GEAR DOOR WARNING PRIMARY - LH, S408	1	1	L AND R BODY GEAR WHEEL WELL	32-61-31
SENSOR - BODY GEAR DOOR WARNING PRIMARY - RH, S409	1	1	L AND R BODY GEAR WHEEL WELL	32-61-31
SENSOR - BODY GEAR DOWNLOCK ALTERNATE - LH, S414	1	1	L AND R BODY LANDING GEAR	32-61-10
SENSOR - BODY GEAR DOWNLOCK ALTERNATE - RH, S413	1	1	L AND R BODY LANDING GEAR	32-61-10
SENSOR - BODY GEAR DOWNLOCK PRIMARY - LH, S401	1	1	L AND R BODY LANDING GEAR	32-61-10
SENSOR - BODY GEAR DOWNLOCK PRIMARY - RH, S403	1	1	L AND R BODY LANDING GEAR	32-61-10
SENSOR - BODY GEAR TILT ALTERNATE - LH, S612	1	1	L AND R BODY LANDING GEAR	32-61-12
SENSOR - BODY GEAR TILT ALTERNATE - RH, S613	1	1	L AND R BODY LANDING GEAR	32-61-12
SENSOR - BODY GEAR TILT PRIMARY - LH, S419	1	1	L AND R BODY LANDING GEAR	32-61-12
SENSOR - BODY GEAR TILT PRIMARY - RH, S418	1	1	L AND R BODY LANDING GEAR	32-61-12
SENSOR - BODY GEAR UPLOCK ALTERNATE - LH, S1636	2	1	L AND R BODY GEAR AFT WHEEL WELL	32-61-1 1
SENSOR - BODY GEAR UPLOCK ALTERNATE - RH, S1637	2	1	L AND R BODY GEAR AFT WHEEL WELL	32-61-1 1
SENSOR - BODY GEAR UPLOCK PRIMARY - LH, S400	2	1	L AND R BODY GEAR AFT WHEEL WELL	32-61-1 1
SENSOR - BODY GEAR UPLOCK PRIMARY - RH, S402	2	1	L AND R BODY GEAR AFT WHEEL WELL	32-61-1 1
SENSOR NOSE GEAR DOOR WARNING ALTERNATE - RH, S425	2	1	NOSE WHEEL WELL FORWARD BULKHEAD	32-61-30
SENSOR - NOSE GEAR DOOR WARNING PRIMARY, S406	2	1	NOSE WHEEL WELL FORWARD BULKHEAD	32-61-30
SENSOR - NOSE GEAR LOCK ALTERNATE, S424	2	1	NOSE LANDING GEAR	32-61-03
SENSOR - NOSE GEAR LOCK PRIMARY, S397	2	1	NOSE LANDING GEAR	32-61-03

* SEE WDM EQUIPMENT LIST

Landing Gear Indication System - Component Index
Figure 101 (Sheet 1)

Figure 131 32-61 Landing Gear Indication Sys. Comp. Index Fig. 101 (Sheet 1)

578150



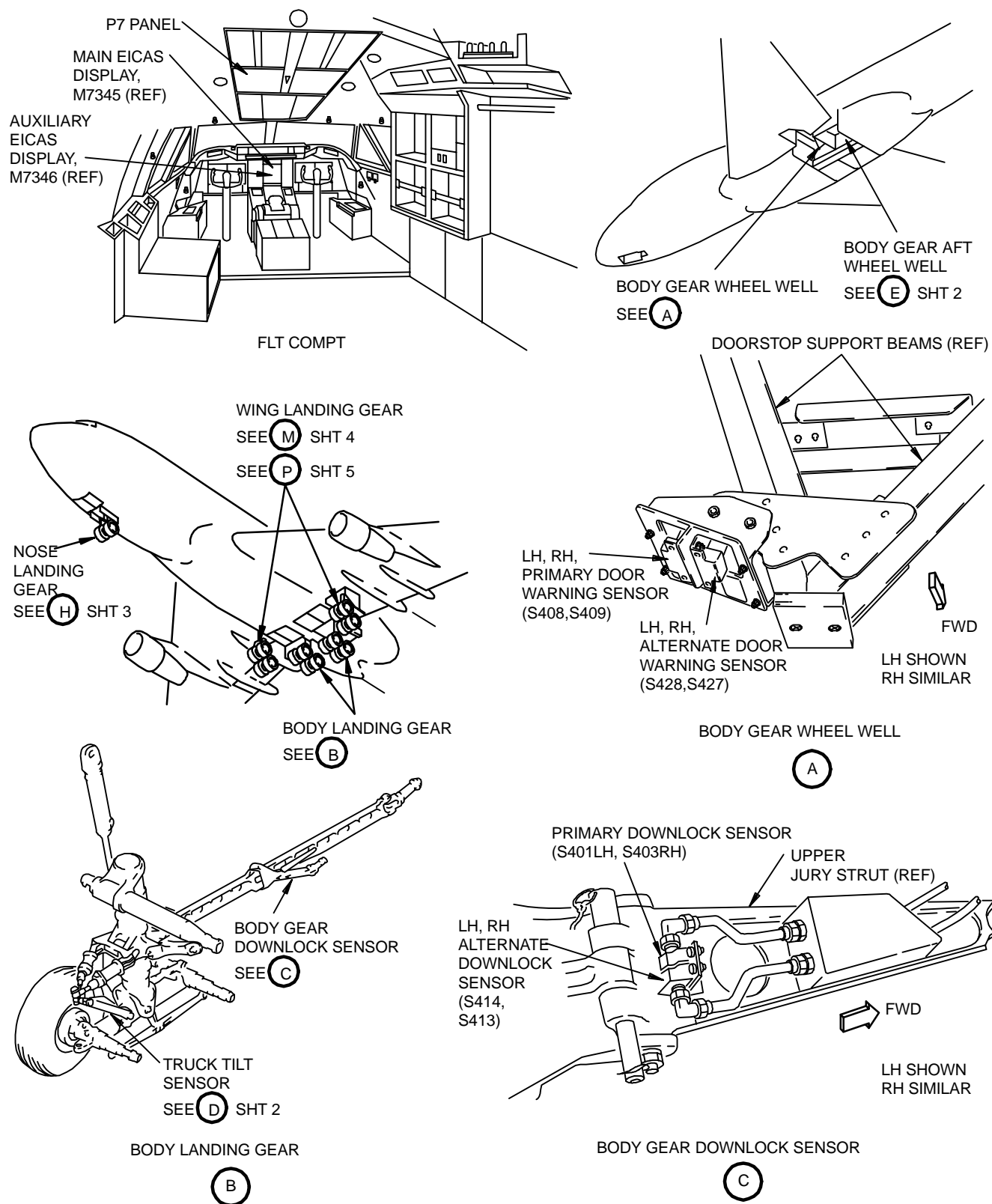
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
SENSOR - NOSE GEAR SQUAT ALTERNATE, S801	3	1	NOSE LANDING GEAR	32-61-01
SENSOR - NOSE GEAR SQUAT PRIMARY, S800	3	1	NOSE LANDING GEAR	32-61-01
SENSOR - NOSE GEAR UP ALTERNATE, S411	3	1	NOSE WHEEL WELL AFT BULKHEAD	32-61-02
SENSOR - NOSE GEAR UP PRIMARY, S396	3	1	NOSE WHEEL WELL AFT BULKHEAD	32-61-02
SENSOR - WING GEAR DOOR WARNING ALTERNATE - LH, S395	4	1	L AND R WING GEAR WHEEL WELL FORWARD BULKHEAD	32-61-32
SENSOR - WING GEAR DOOR WARNING ALTERNATE - RH, S426	4	1	L AND R WING GEAR WHEEL WELL FORWARD BULKHEAD	32-61-32
SENSOR - WING GEAR DOOR WARNING PRIMARY - LH, S407	4	1	L AND R WING GEAR WHEEL WELL FORWARD BULKHEAD	32-61-32
SENSOR - WING GEAR DOOR WARNING PRIMARY - RH, S410	4	1	L AND R WING GEAR WHEEL WELL FORWARD BULKHEAD	32-61-32
SENSOR - WING GEAR DOWNLOCK ALTERNATE - LH, S415	4	1	L AND R WING LANDING GEAR	32-61-20
SENSOR - WING GEAR DOWNLOCK ALTERNATE - RH, S412	4	1	L AND R WING LANDING GEAR	32-61-20
SENSOR - WING GEAR DOWNLOCK PRIMARY - LH, S399	4	1	L AND R WING LANDING GEAR	32-61-20
SENSOR - WING GEAR DOWNLOCK PRIMARY - RH, S405	4	1	L AND R WING LANDING GEAR	32-61-20
SENSOR - WING GEAR TRUCK TILT ALTERNATE - LH, S615	4	1	L AND R WING LANDING GEAR	32-61-22
SENSOR - WING GEAR TRUCK TILT ALTERNATE - RH, S614	4	1	L AND R WING LANDING GEAR	32-61-22
SENSOR - WING GEAR TRUCK TILT PRIMARY - LH, S417	4	1	L AND R WING LANDING GEAR	32-61-22
SENSOR - WING GEAR TRUCK TILT PRIMARY - RH, S416	4	1	L AND R WING LANDING GEAR	32-61-22
SENSOR - WING GEAR UPLOCK ALTERNATE - LH, S1638	5	1	L AND R WING GEAR UPLOCK MECHANISM	32-61-21
SENSOR - WING GEAR UPLOCK ALTERNATE - RH, S1639	5	1	L AND R WING GEAR UPLOCK MECHANISM	32-61-21
SENSOR - WING GEAR UPLOCK PRIMARY - LH, S398	5	1	L AND R WING GEAR UPLOCK MECHANISM	32-61-21
SENSOR - WING GEAR UPLOCK PRIMARY - RH, S404	5	1	L AND R WING GEAR UPLOCK MECHANISM	32-61-21
UNIT - (REF 32-09-00, FIG. 101) PROXIMITY SWITCH ELECTRONICS, M7838				

Landing Gear Indication System - Component Index
Figure 101 (Sheet 2)

578155

Figure 132 32-61 Landing Gear Indication Sys. Comp. Index Fig. 101 (Sheet 2)



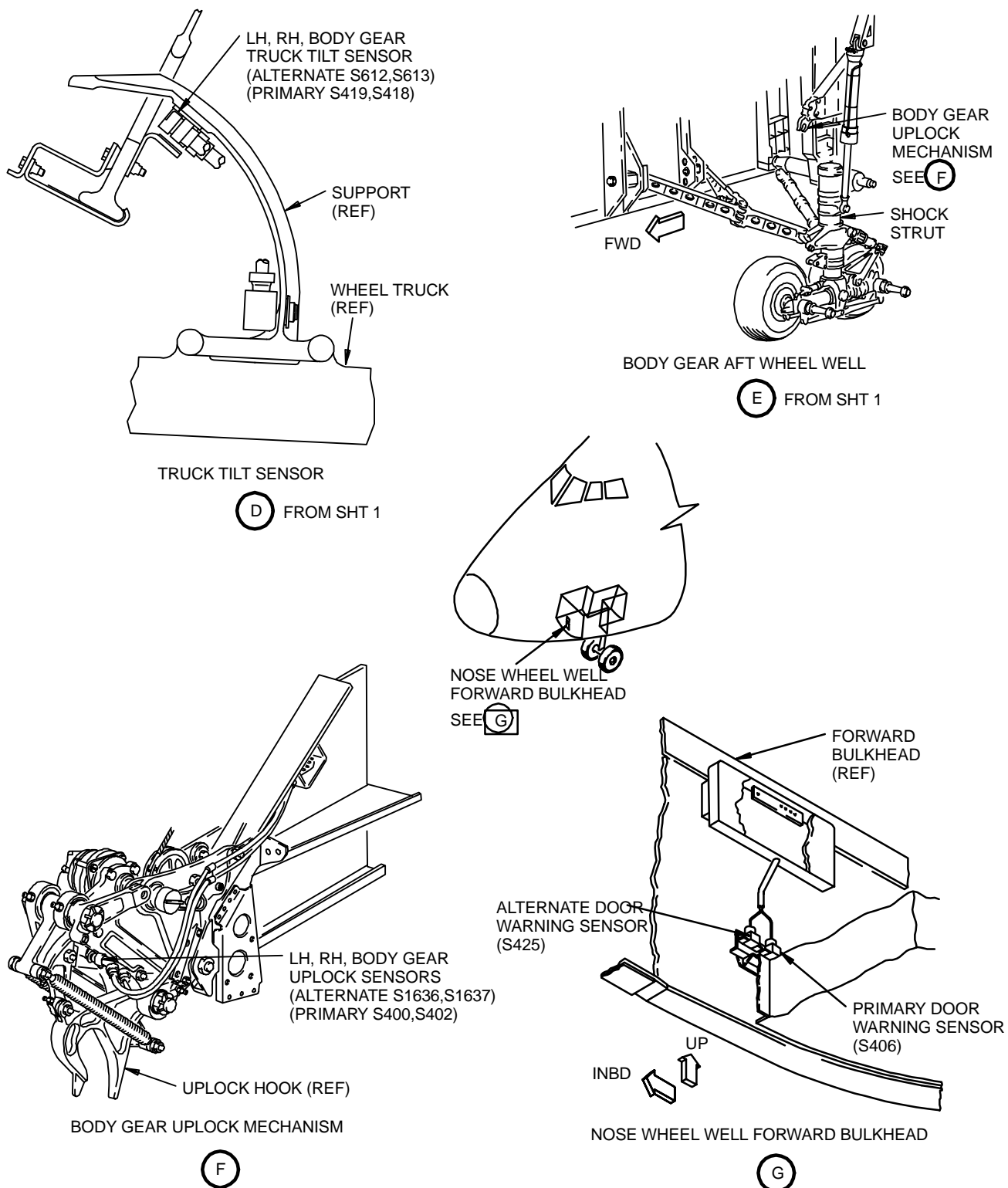


Landing Gear Indication System - Component Location
Figure 102 (Sheet 1)

Figure 133 32-61 Landing Gear Indication Sys. Comp. Location Fig. 102 (Sheet 1)

578136



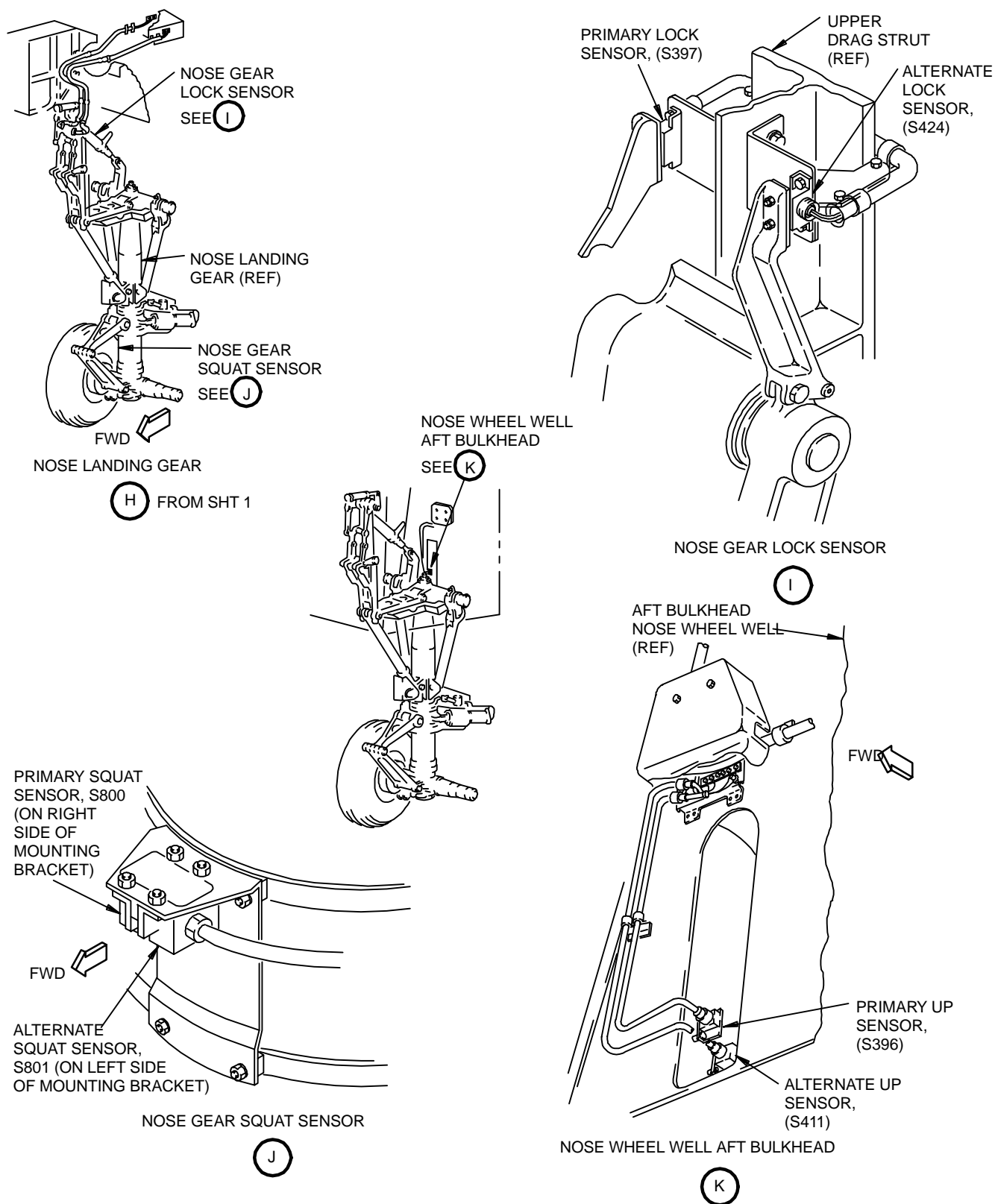


Landing Gear Indication System - Component Location
Figure 102 (Sheet 2)

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Figure 134 32-61 Landing Gear Indication Sys. Comp. Location Fig. 102 (Sheet 2)



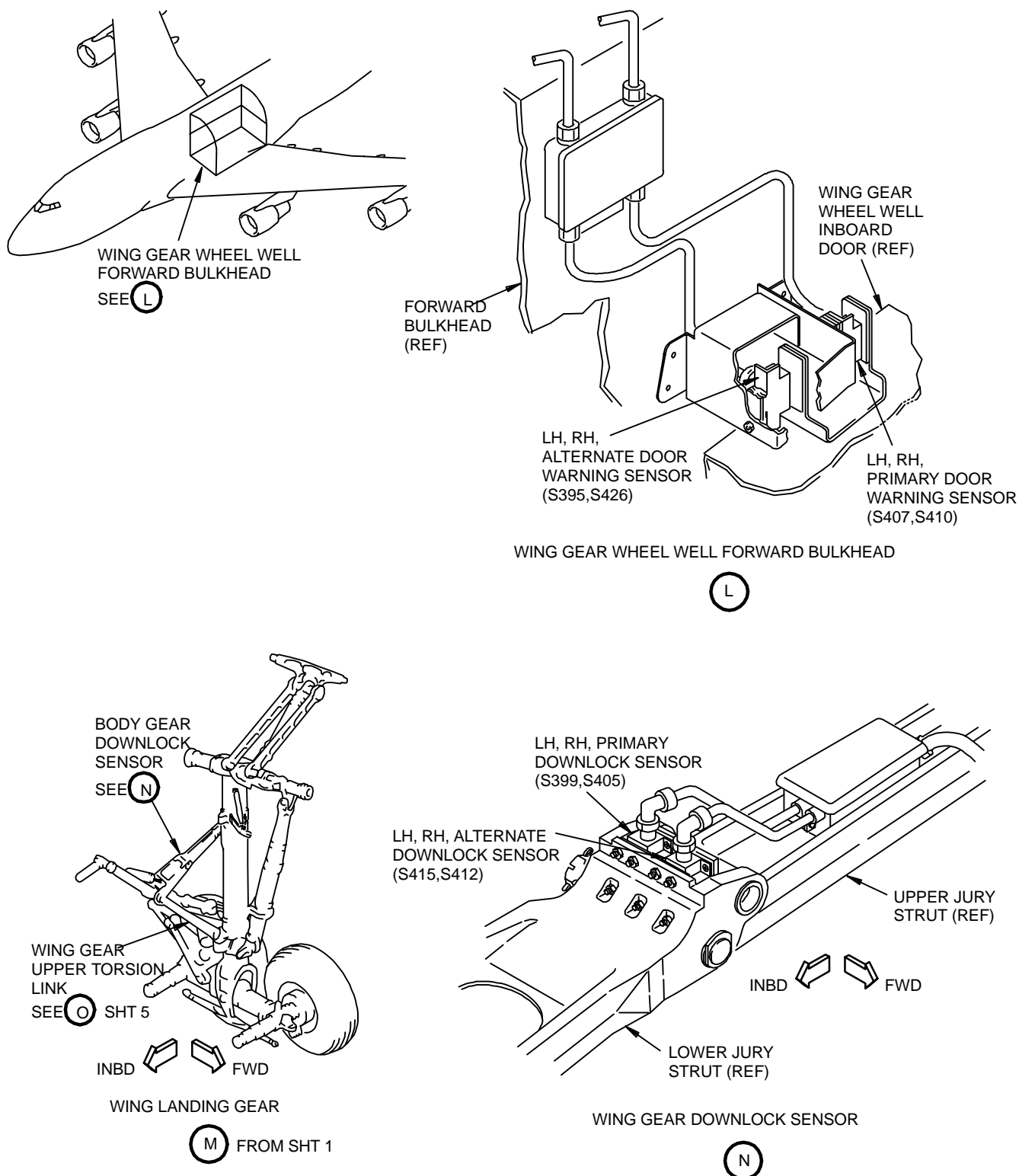


Landing Gear Indication System - Component Location
Figure 102 (Sheet 3)

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Figure 135 32-61 Landing Gear Indication Sys. Comp. Location Fig. 102 (Sheet 3)



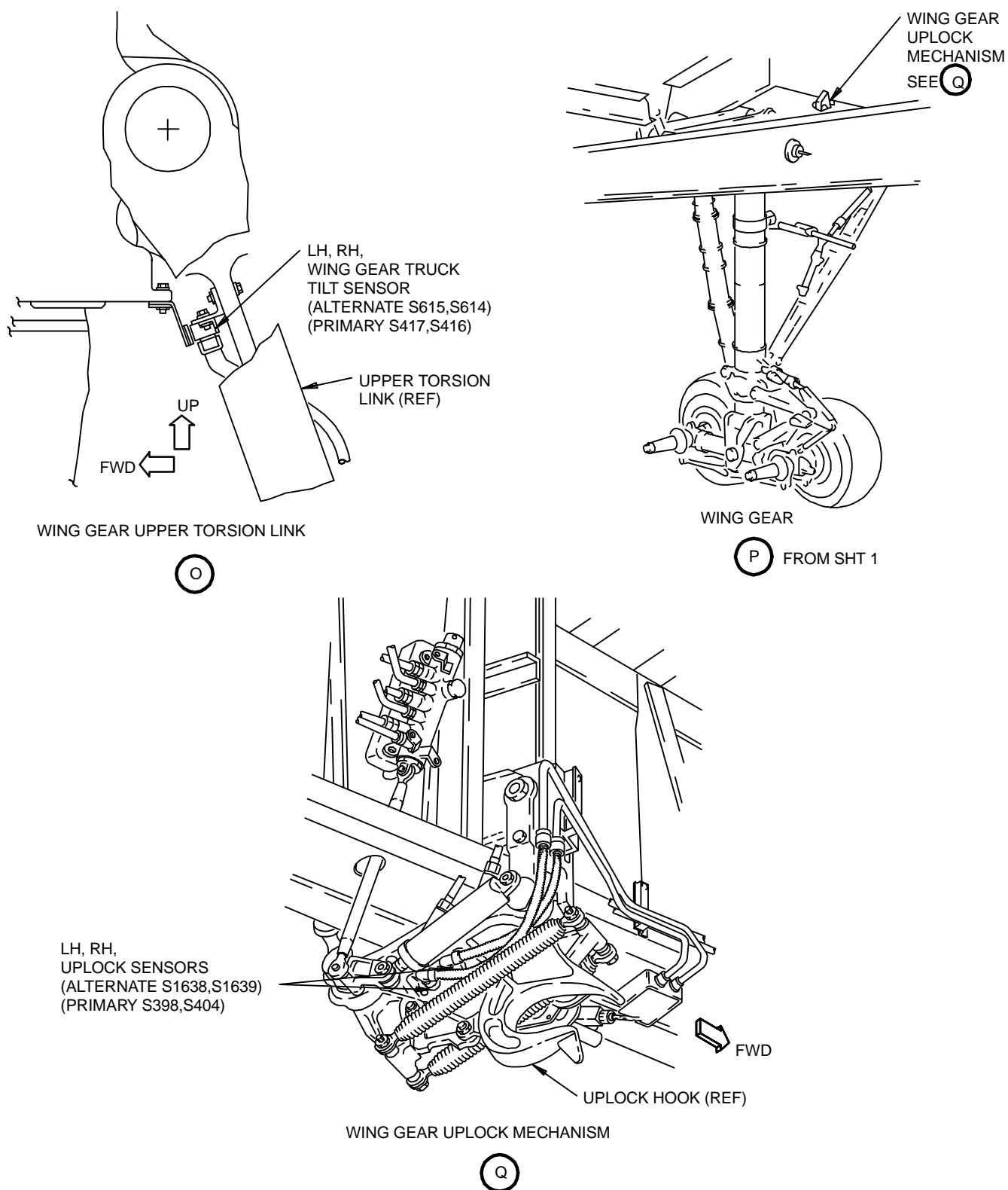


Landing Gear Indication System - Component Location
Figure 102 (Sheet 4)

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Figure 136 32-61 Landing Gear Indication Sys. C0mp. Location Fig. 102 (Sheet 4)





Landing Gear Indication System - Component Location
Figure 102 (Sheet 5)

578538

Figure 137 32-61 Landing Gear Indication Sys. Comp. Location Fig. 102 (Sheet 5)



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ATA 27 FLIGHT CONTROLS

27-10 AILERONS

COMPONENT INDEX AND LOCATION



FGM B1 LOCATION

Stabilizer Trim / Rudder Ratio Modules (SRM's)

Aileron & Spoiler Hydraulic Shutoff Valves

Inboard / Outboard Aileron Position Transmitter

Aileron / Rudder Trim Control Panel

Captain's / Co-Pilots Rudder Pedals

Rudder Trim Actuator

Upper / Lower Rudder Ratio Changer Actuators

Rudder / Elevator Hydraulic Shutoff Valves

Control Column Position Transmitter

Elevator Feel Computer

Inboard / Outboard Elevator Position Transmitter

Stabilizer Trim Manual Control Switches

Stabilizer Trim Shutoff Valve Switches

Stabilizer Alternate Electric Trim Switches

Stabilizer Position Indicators

Stabilizer Trim Control Modules

Stabilizer Position Transmitters

Flap Control Lever

Alternate Flaps Switches

L / C / R Flap Control Units

Flap Input Actuator

Inboard / Outboard Flap Power Package

Speed Brake Lever

Auto Speed Brake Actuator

Spoiler Position Transmitters

Leading Edge Flap Drive Units

Leading Edge Flap Extend Proximity Switches

FZE B1 LOCATIONS

Flight Control Electronic Power Supply Modules

Forward Surface Position Digitizer Card File

Stabilizer Trim / Rudder Ratio Modules (SRM's)

Aileron- and Spoiler Hydraulic Shutoff Valves

Aileron Position Transmitters

Aileron / Rudder Trim Control Panel

Rudder Pedals

Rudder Trim Actuator

Upper / Lower Rudder Ratio Changer Actuators

Rudder- and Elevator Hydraulic Shutoff Valves

Elevator Column Position Transmitter

Elevator Feel Computer

Elevator Position Transmitters

Stabilizer Manual Trim Switches

Stabilizer Trim Shutoff Valve Switches

Stabilizer Alternate Trim Switches

Stabilizer Position Indicators

Stabilizer Trim Control Modules

Stabilizer Position Transmitters

Flap Control Lever Components

Alternate Flaps Switches

L / C / R Flap Control Units

Flap Input Actuator

Flap Power Packages Components

Flap Position RVDT's

Speed Brake Lever and Auto Speed Brake Arming Switch

Auto Speed Brake Actuator

Spoiler Position Transmitters

Leading Edge Flap Drive Units

Leading Edge Flap Extend Proximity Switches

FGM B2 LOCATION

Aileron Trim Switches

Aileron Drum Assemblies

Aileron Trim Actuator

Outboard Aileron Lockout Mechanisms

Aileron Trim- and Feel Mechanism

**Central Lateral Control Packages CLCP's) Auto-
pilot L/R, Autopilot C Actuator**

Aileron Programmers

Aileron Power Units

Surface Position Digitizer Cards

Upper- and Lower Rudder Control Modules

Rudder Rollout Control Units

Rudder Hydraulic Actuators

Elevator Torque Tube

Elevator Tension Regulator

Elevator Aft Torque Tube Components

Elevator Autopilot Servo Actuators

**Stabilizer Elevator Column actuated Cutout Swit-
ches**

Stabilizer Arming- and Control Solenoid Valves

Stabilizer Drive Mechanism and Jackscrew

Stabilizer Trim Limit Switches

Stabilizer Trim Green Band Pressure Switch

Flaps Drive Components

Flap Track Fairing Support

Fore Flap Carriage and Toggle

Aft Flap Drive Mechanism

Flap Transmissions

No- Coast Drag Brake

Flap Torque Tubes

Speed Brake Lever Lock Mechanism

Speed Brake / Lever Brake Mechanism

Auto Speed Brake Arming Switch

Speed Brake Sequence Mechanism

Spoiler Differential Mechanisms

Ground Spoiler Control Valve

Flight- and Ground Spoiler Actuators

Leading Edge Devices Drive Shafts

Leading Edge Devices Rotary Actuators

**Leading Edge Devices (Krueger Flaps) Offset
Gear Box**



FZE B2 LOCATIONS

Aileron Trim Switches

Aileron Trim Actuator

Aileron Trim- and Feel Mechanism

**Central Lateral Control Packages (CLCP's) Auto-
pilot L / R, Autopilot C Actuator**

Aileron Power Units

Surface Position Digitizer Cards

Upper / Lower Rudder Control Modules

Rudder Rollout Power Control Modules

Elevator Autopilot Servo Actuators

Stabilizer Green Band Indication Components

Stabilizer Elevator Column actuated Cutout Switches

Stabilizer Arming- and Control Solenoid Valves

Stabilizer Trim Limit Switches

Speed Brake Lever Lock Solenoid

AILERONS

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ACTUATOR - AILERON TRIM, M254	3	1	LEFT WING GEAR WHEEL WELL	27-11-06
ACTUATOR - INBOARD POWER CONTROL PACKAGE	4	2	573AB,673AB,573BB,673BB	27-11-12
ACTUATOR - LEFT OUTBOARD AILERON LOCKOUT, X452	4	1	591CB, LEFT WING	27-11-14
ACTUATOR - OUTBOARD POWER CONTROL PACKAGE	4	2	591CB,691CB,591CB,691DB	27-11-13
ACTUATOR - RIGHT OUTBOARD AILERON LOCKOUT, X453	4	1	691CB, RIGHT WING	27-11-14
AILERON - INBOARD	4	2	WING TRAILING EDGE	27-11-01
AILERON - OUTBOARD	4	2	WING TRAILING EDGE	27-11-02
ASSEMBLY - AILERON DRUM	1	2	211,212, FWD PASS CABIN CEILING	27-11-04
CARD - AILERON/SPOILER SURFACE POSITION DIGITIZER (SPD), YMLA17	1	1	LEFT OF NOSE GEAR WHEEL WELL, ELEC SYS CARD FILE, M7603 (REF)	27-18-02
CIRCUIT BREAKERS	1	16	FLT COMPT, P6,P7	
AILERON TRIM, C75			7D17	*
OUTBOARD AILERON LOCKOUT, C1186			7D18	*
SPLR/ALRN IND, C10062			6J21	*
SPLR/ALRN SENSOR, C384			6J20	*
LIMITER - AILERON CONTROL LOAD	2	1	212, FWD PASS CABIN CEILING	27-11-05
LIMITER - AILERON FORCE	2	1	LEFT WING GEAR WHEEL WELL	27-11-26
MECHANISM - AILERON TRIM AND FEEL	3	1	LEFT WING GEAR WHEEL WELL	27-11-06
MECHANISM - OUTBOARD AILERON LOCKOUT	4	2	591CB,691CB, WING	27-11-14
MODULE - FLIGHT CONTROLS HYDRAULIC POWER, M191	1	1	FLT COMPT, P461	*
MODULE - (REF 27-20-00, FIG. 101)				
AILERON/RUDDER TRIM CONTROL, M7312				
MODULE - (REF 27-40-00, FIG. 101)				
L STABILIZER TRIM/RUDDER RATIO, M3136				
R STABILIZER TRIM/RUDDER RATIO, M3137				
AUTOPILOT - CENTRAL LATERAL CONTROL PACKAGE - RIGHT	3	1	LEFT WING GEAR WHEEL WELL	27-11-08
AUTOPILOT - CENTRAL LATERAL CONTROL PACKAGE - LEFT	3	1	RIGHT WING GEAR WHEEL WELL	27-11-08

* SEE THE WDM EQUIPMENT LIST

Ailerons - Component Index
Figure 101 (Sheet 1)

Figure 138 27-10 Ailerons Comp.Index Fig. 101 (Sheet 1)

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COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
QUADRANT - CLC INPUT	2	1	RIGHT WING GEAR WHEEL WELL	27-11-09
QUADRANT - INBOARD AILERON	4	1	573AB,673AB,573BB,673BB, WING	27-11-11
QUADRANT - LEFT AILERON PROGRAMMER	3	1	LEFT WING GEAR WHEEL WELL	27-11-10
QUADRANT - OUTBOARD AILERON	4	1	591CB,691CB,591DB,691DB, WING	27-11-14
QUADRANT - RIGHT AILERON PROGRAMMER	3	1	RIGHT WING GEAR WHEEL WELL	27-11-10
QUADRANT - TRIM AND FEEL MECHANISM	3	1	LEFT WING GEAR WHEEL WELL	27-11-06
ROD - LEFT CLC CONTROL	3	1	LEFT WING GEAR WHEEL WELL	27-11-26
ROD - RIGHT CLC CONTROL	3	1	RIGHT WING GEAR WHEEL WELL	27-11-26
SERVO - (REF 22-10-00, FIG. 101)				
LATERAL AUTOPILOT, B7085				
SWITCHES -				
AILERON TRIM ARMING SWITCH, S1	1	1	FLT COMPT, P8, AILERON/RUDDER TRIM CONTROL PANEL M7312	*
AILERON TRIM CONTROL SWITCH, S2	1	1	FLT COMPT, P8, AILERON/RUDDER TRIM CONTROL PANEL M7312	*
TRANSMITTER - LEFT INBOARD AILERON POSITION, T1670	6	1	573BB, LEFT WING	27-18-01
TRANSMITTER - LEFT OUTBOARD AILERON POSITION, T489	6	1	591BB, LEFT WING	27-18-01
TRANSMITTER - RIGHT INBOARD AILERON POSITION, T1671	6	1	673BB, RIGHT WING	27-18-01
TRANSMITTER - RIGHT OUTBOARD AILERON POSITION, T488	6	1	691CB, RIGHT WING	27-18-01
UNIT - (REF 31-61-00, FIG. 101)				
C EFIS/EICAS INTERFACE, M7352				
L EFIS/EICAS INTERFACE, M7353				
R EFIS/EICAS INTERFACE, M7351				
VALVE - AILERON & SPOILER HYDRAULIC SYSTEM 1 SHUTOFF, V140	5	1	591BB, LEFT WING	27-13-01
VALVE - AILERON & SPOILER HYDRAULIC SYSTEM 2 SHUTOFF, V141	5	1	LEFT WING GEAR WHEEL WELL	27-13-01
VALVE - AILERON & SPOILER HYDRAULIC SYSTEM 3 SHUTOFF, V145	5	1	RIGHT WING GEAR WHEEL WELL	27-13-01
VALVE - AILERON & SPOILER HYDRAULIC SYSTEM 4 SHUTOFF, V149	5	1	691BB, RIGHT WING	27-13-01

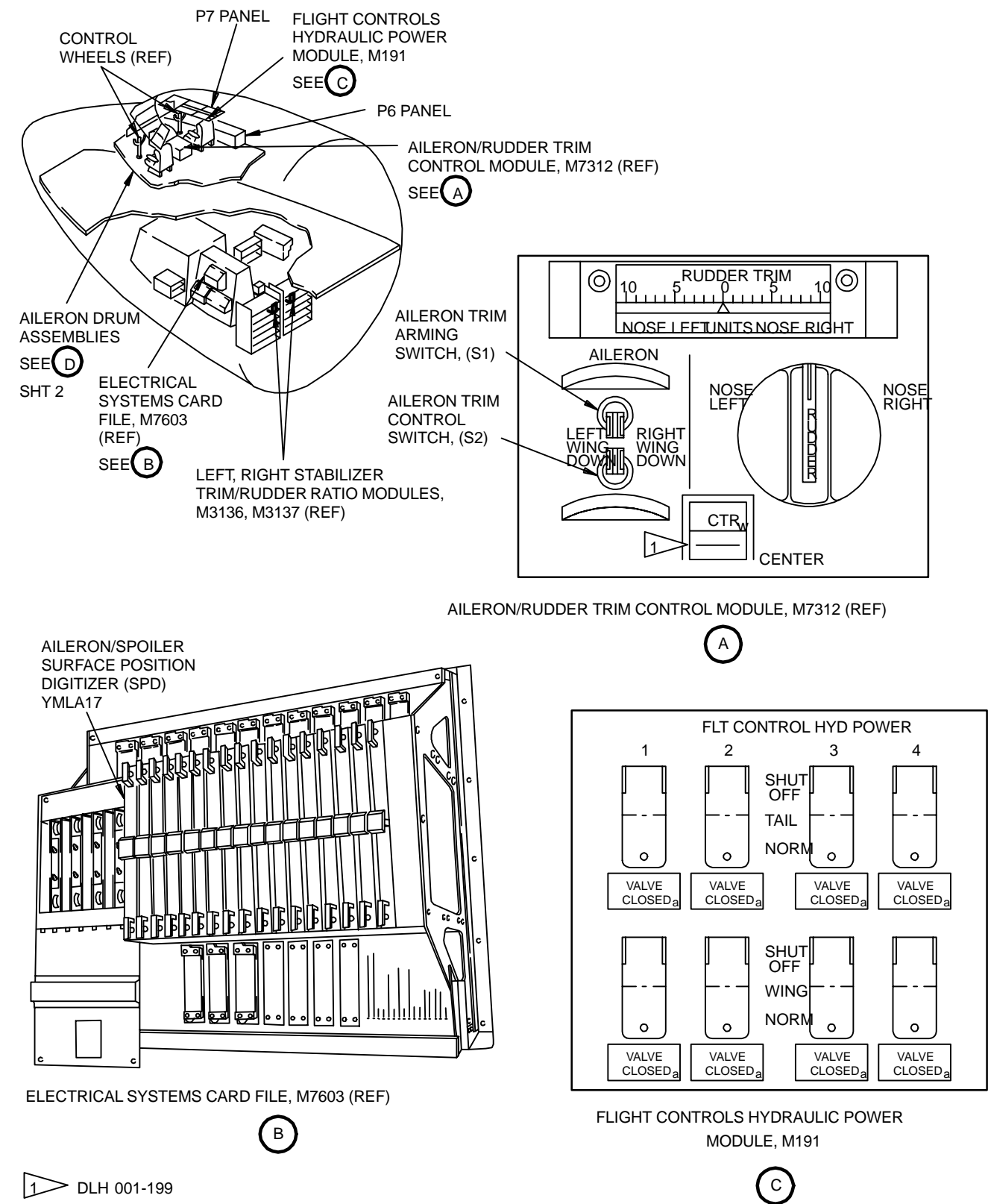
* SEE WDM EQUIPMENT LIST

Ailerons - Component Index
Figure 101 (Sheet 2)

Figure 139 27-10 Ailerons Comp. Index Fig. 101 (Sheet 2)

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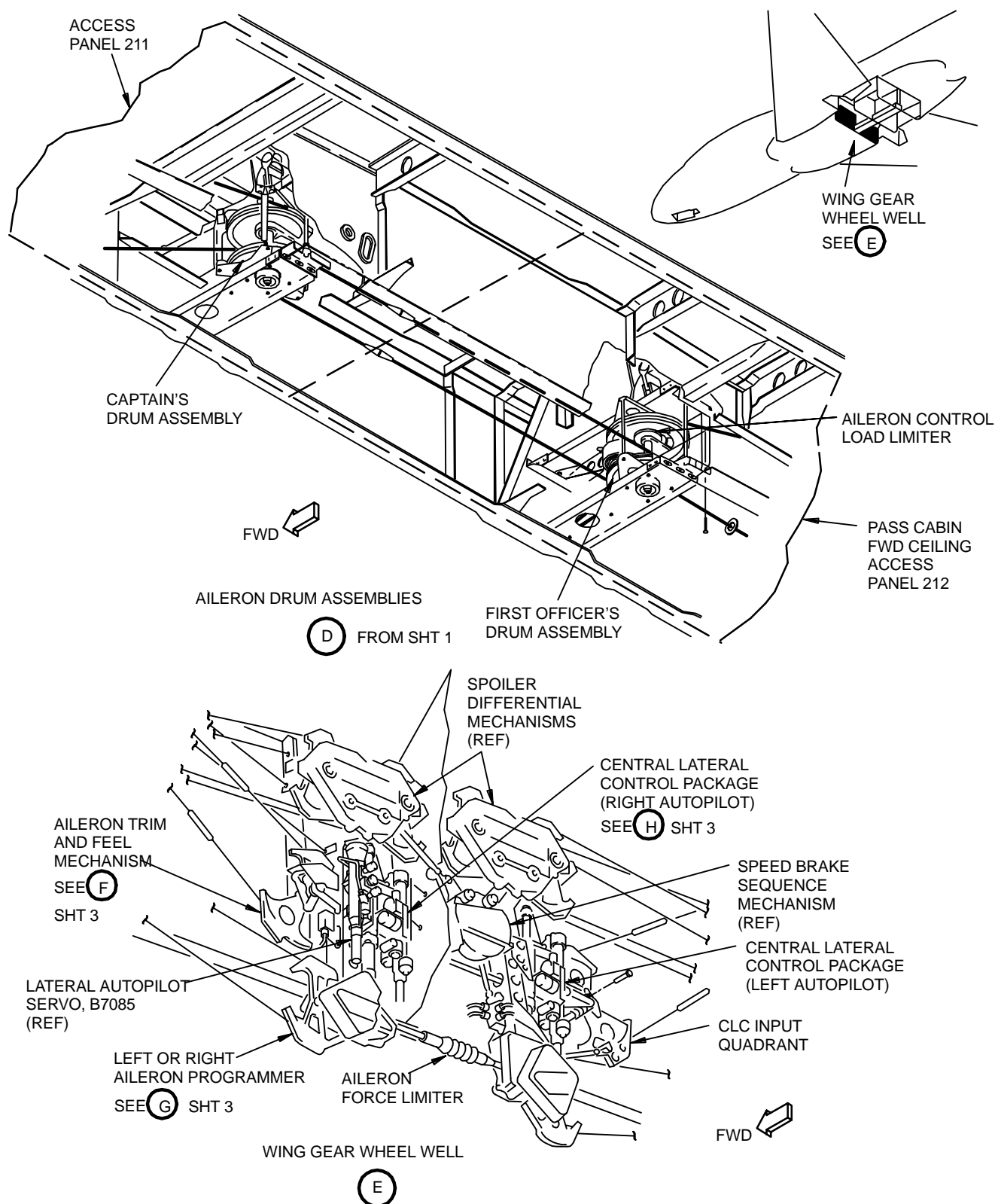




Ailerons - Component Location
Figure 102 (Sheet 1)

Figure 140 27-10 Ailerons Comp. Location Fig. 102 (Sheet 1)

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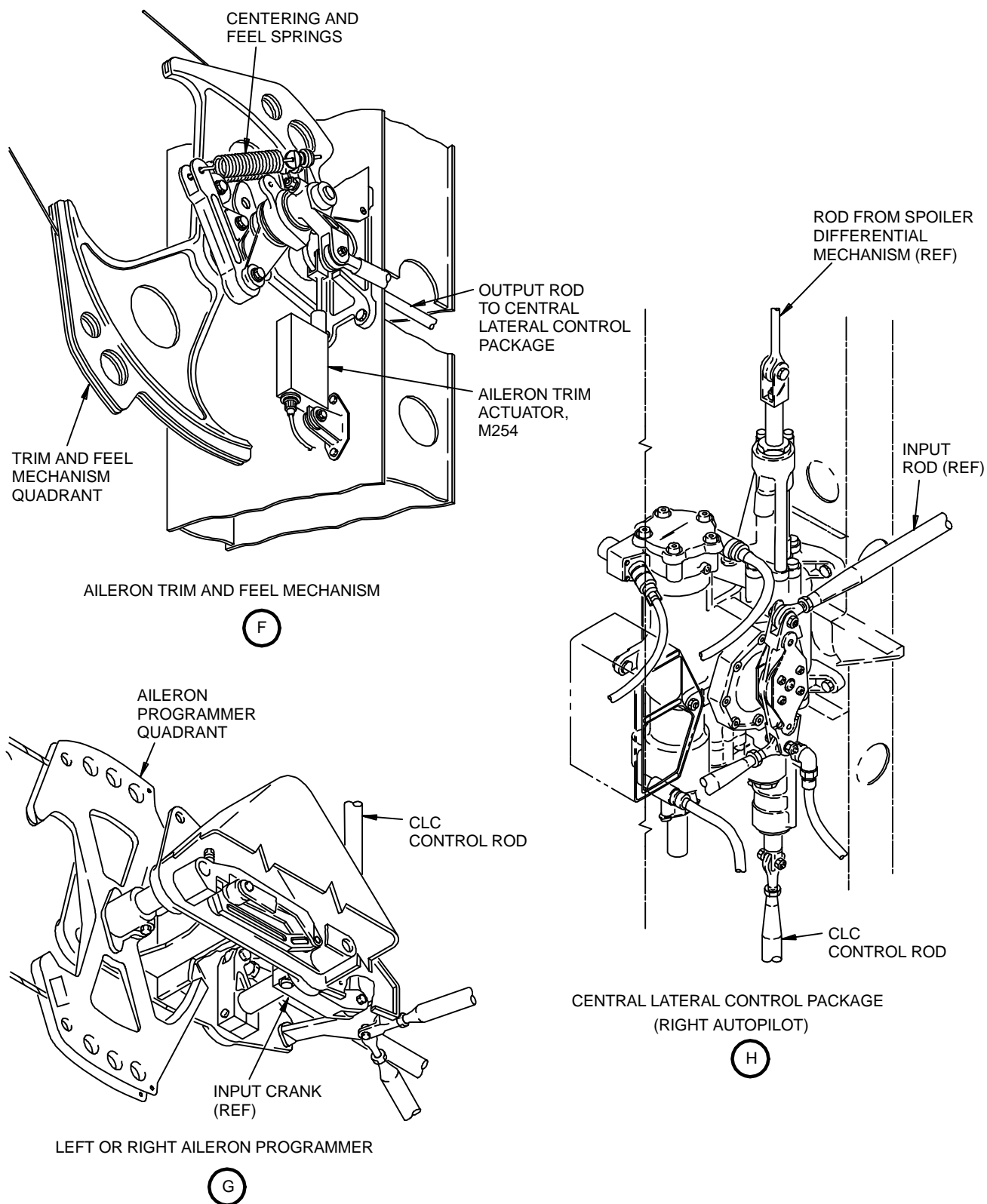


Ailerons - Component Location
Figure 102 (Sheet 2)

Figure 141 27-10 Ailerons Comp. Location Fig. 102 (Sheet 2)

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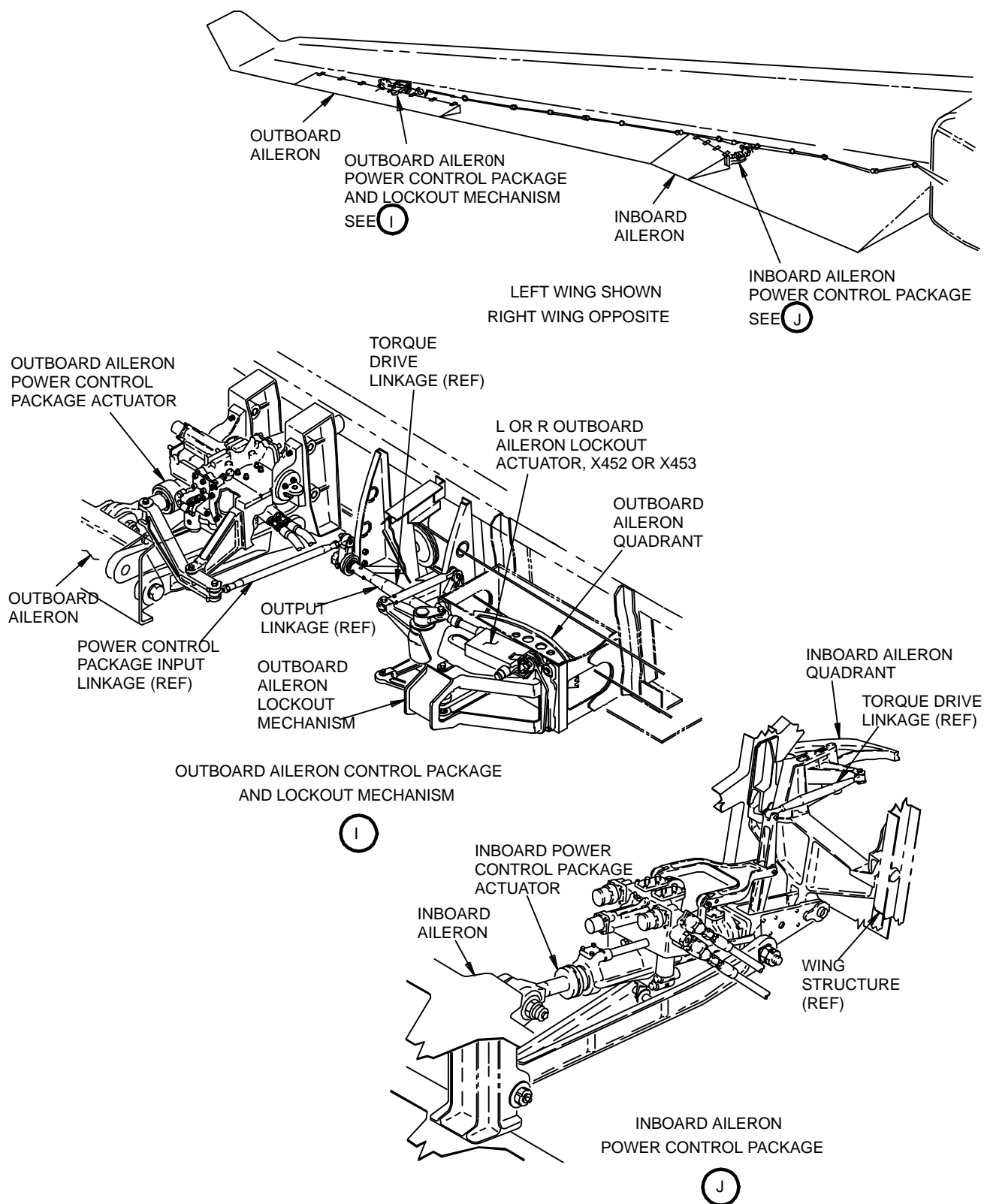


Ailerons - Component Location (Details from Sht 2)
Figure 102 (Sheet 3)

Figure 142 27-10 Ailerons Comp. Location Fig. 102 (Sheet 3)

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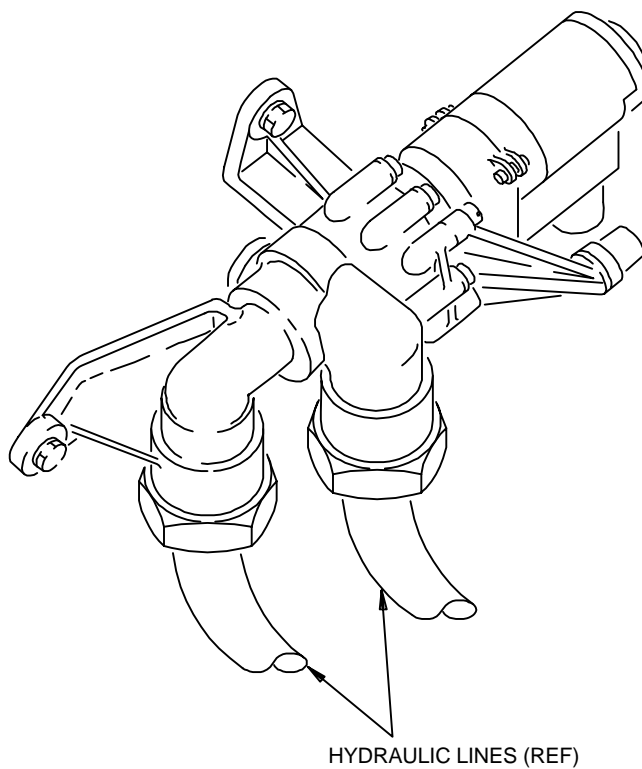
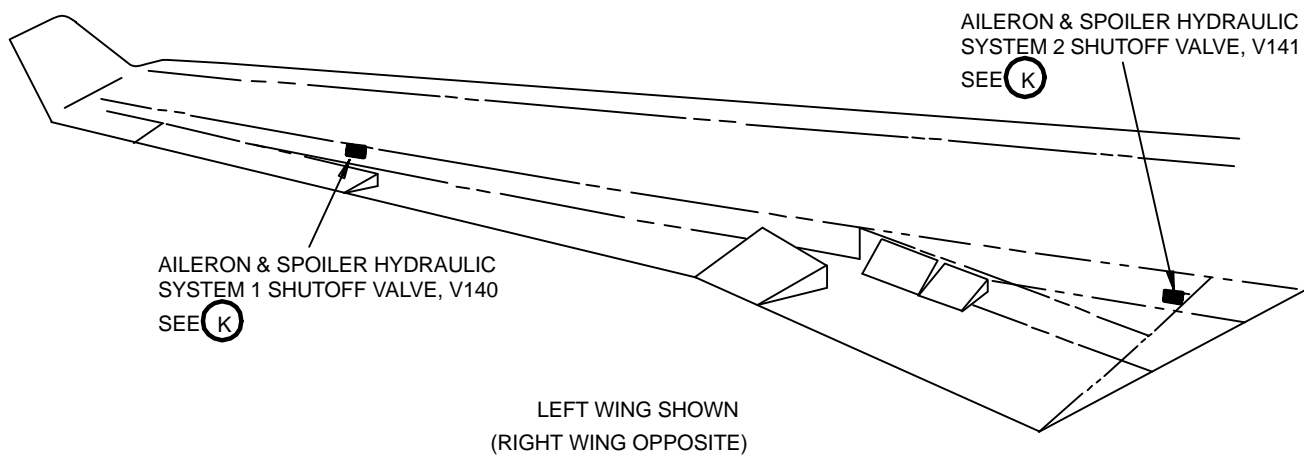


Ailerons - Component Location
Figure 102 (Sheet 4)

Figure 143 27-10 Ailerons Comp. Location Fig. 102 (Sheet 4)

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AILERON & SPOILER
HYDRAULIC SHUTOFF VALVE
V140 (SYSTEM 1)
V141 (SYSTEM 2)
V145 (SYSTEM 3)
V149 (SYSTEM 4)

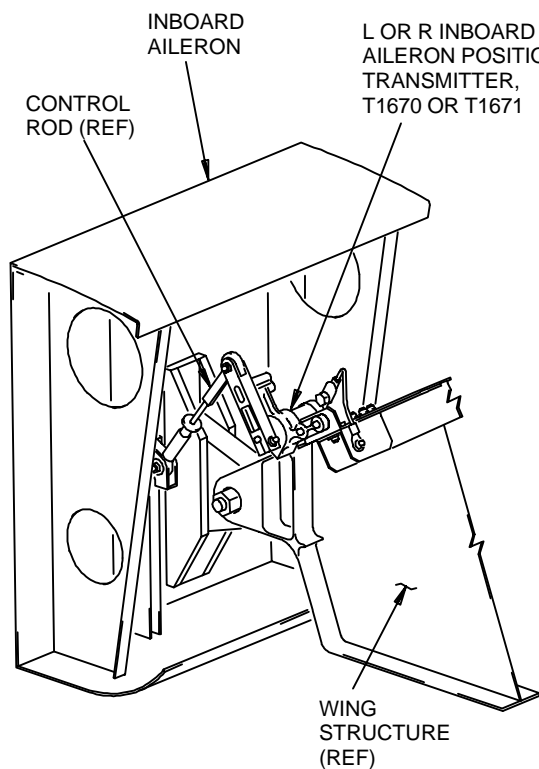
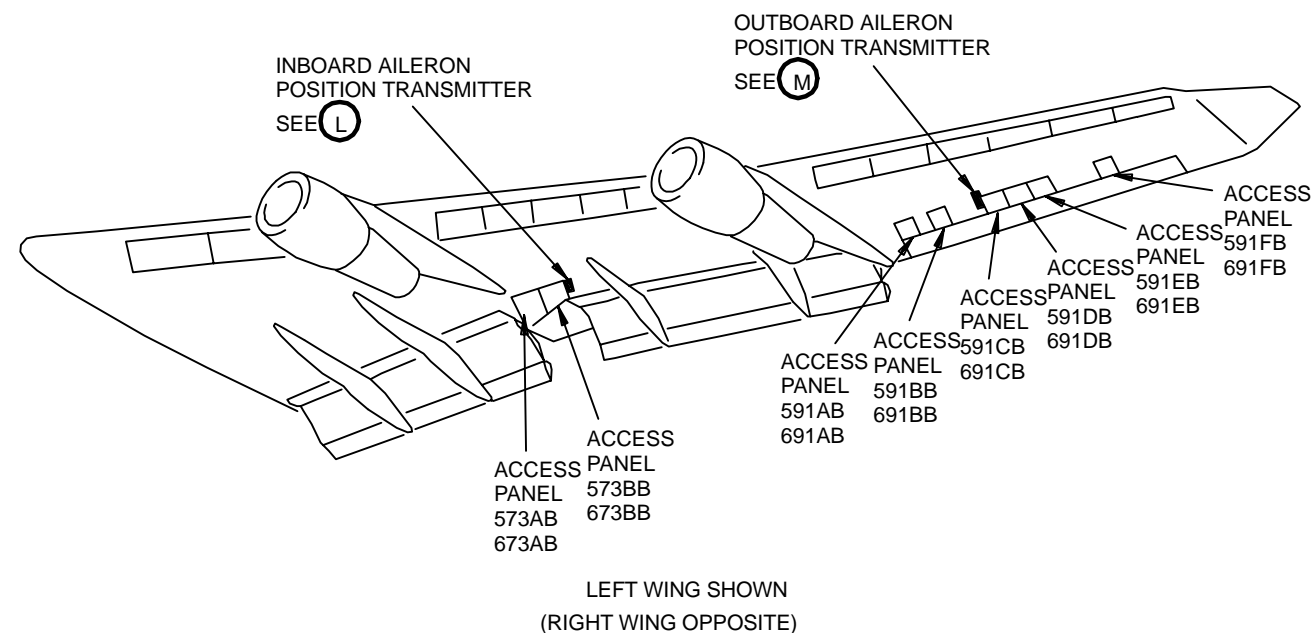


Ailerons - Component Location
Figure 102 (Sheet 5)

Figure 144 27-10 Ailerons Comp. Location Fig. 102 (Sheet 5)

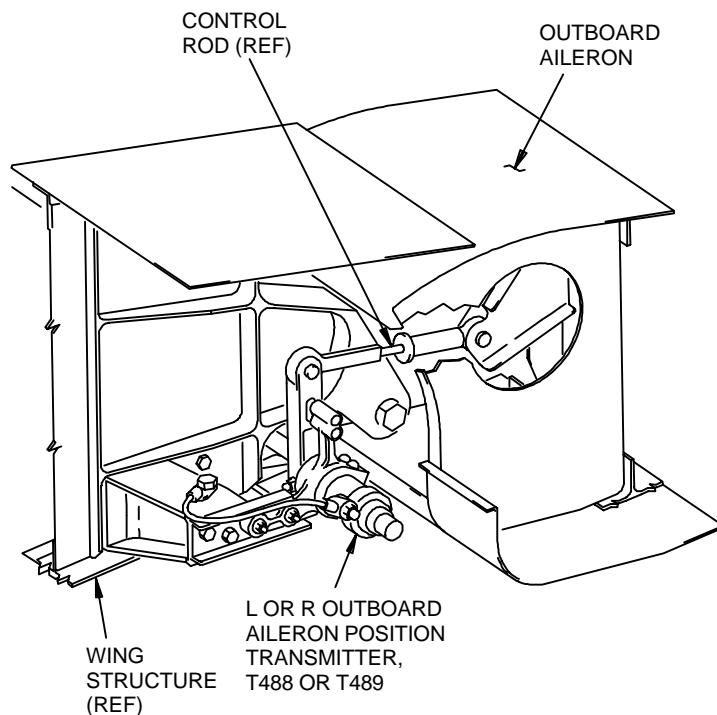
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INBOARD AILERON POSITION TRANSMITTER

(L)



OUTBOARD AILERON POSITION TRANSMITTER

(M)

Ailerons - Component Location
Figure 102 (Sheet 6)

Figure 145 27-10 Ailerons Comp. Location Fig. 102 (Sheet 6)

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27-20 RUDDERS

COMPONENT INDEX AND LOCATION



RUDDER

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ACTUATOR - LOWER RUDDER POWER CONTROL PACKAGE	2	2	324DL,324DR, VERTICAL FIN	27-21-16
ACTUATOR - RUDDER TRIM, M7878	3	1	324FL,324FR, VERTICAL FIN	27-21-10
ACTUATOR - UPPER RUDDER POWER CONTROL PACKAGE	3	3	324HL,324HR,324UL,324UR, VERTICAL FIN	27-21-15
ASSEMBLY - RUDDER FORWARD QUADRANT AND JACKSHAFT	1	1	FWD PASS CABIN CEILING	27-21-06
ASSEMBLY - RUDDER PEDAL	1	2	FLT COMPT	27-21-07
CARD - RUDDER/ELEVATOR SURFACE POSITION DIGITIZER (SPD), YM5A001	2	1	AFT EQUIP CTR, E8, AFT SURFACE POSITION DIGITIZER CARD FILE, M8011	27-28-02
CARD - RUDDER TRIM CONTROL (RTC), YM5A003 	2	1	AFT EQUIP CTR, E8, AFT SURFACE POSITION DIGITIZER CARD FILE, M8011	27-21-23
CARD FILE - AFT SURFACE POSITION DIGITIZER, M8011	2	1	AFT EQUIP CTR, E8	*
CIRCUIT BREAKERS -	1		FLT COMPT, P6,P7	
LWR RUD RATIO AC PWR, C8808		1	7B14	*
LWR RUD RATIO DC PWR, C8778		1	7B16	*
RUD/ELEV IND, C10061		1	6J24	*
RUD/ELEV SENSOR, C383		1	6J25	*
RUD TRIM CONT, C10194		1	7D16	*
RUD TRIM IND, C10193		1	6J19	*
UPR RUD RATIO AC PWR, C8774		1	7B11	*
UPR RUD RATIO DC PWR, C8775		1	7B13	*
CIRCUIT BREAKERS -	1		117AL, MAIN EQUIP CTR, P180	
ELEV/RUD VLV SYS 1, C648		1	180H8	*
ELEV/RUD VLV SYS 2, C652		1	180E7	*
ELEV/RUD VLV SYS 3, C654		1	180H23	*
ELEV/RUD VLV SYS 4, C657		1	180E22	*


* SEE THE WDM EQUIPMENT LIST

 DLH 001-199Rudder - Component Index
Figure 101 (Sheet 1)

Figure 146 27-20 Rudders Comp. Index Fig. 101 (Sheet 1)

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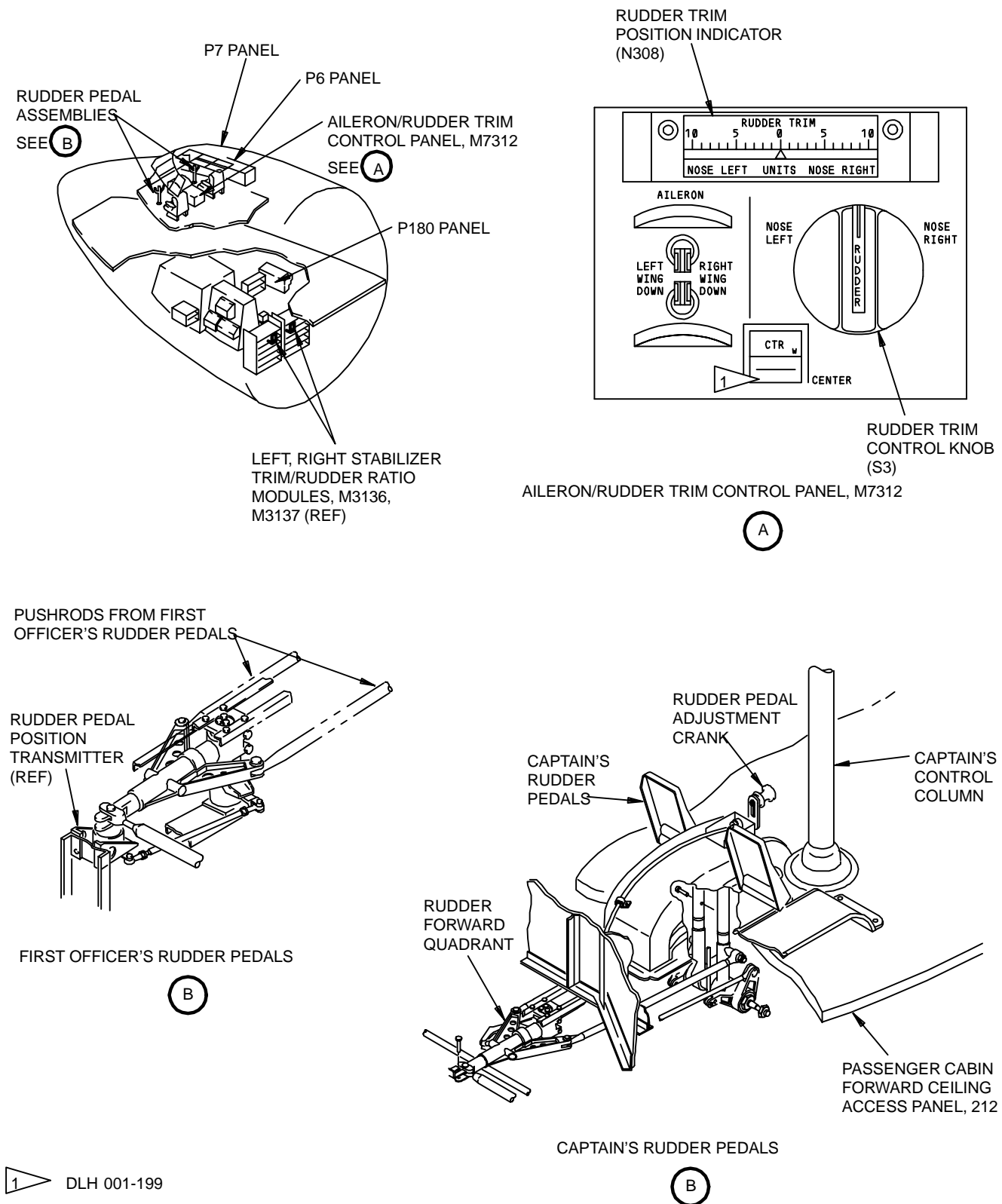
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
CRANK - RUDDER PEDAL ADJUSTMENT	1	2	FLT COMPT, RUDDER PEDALS	27-21-05
INDICATOR - RUDDER TRIM (N308)	1	1	FLT COMPT, P8 AILERON/RUDDER TRIM CONTROL MODULE, M7312	*
MECHANISM - RUDDER FEEL AND CENTERING MODULE - (27-10-00/101)	3	1	324FL,324FR VERTICAL FIN	27-21-1 1
FLIGHT CONTROLS HYDRAULIC POWER, M191				
MODULES - (27-40-00/101)				
L STABILIZER TRIM/RUDDER RATIO, M3136				
R STABILIZER TRIM/RUDDER RATIO, M3137				
MODULE - AILERON/RUDDER TRIM CONTROL, M7312	1	1	FLT COMPT, P8	*
MODULE - LOWER RUDDER POWER CONTROL PACKAGE	3	1	324DL,324DR, VERTICAL FIN	27-21-16
MODULE - UPPER RUDDER POWER CONTROL PACKAGE	3	1	324UL,324UR, VERTICAL FIN	27-21-15
QUADRANT - AFT	3	1	VERTICAL FIN, FRONT SPAR TO REAR SPAR	27-21-08
RATIO CHANGER - LOWER RUDDER, M258	4	1	324DL,324DR, VERTICAL FIN	27-21-12
RATIO CHANGER - UPPER RUDDER, M560	4	1	324UL,324UR, VERTICAL FIN	27-21-12
RELAY - (31-01-15/101)				
RTC PRESS TO CENTER, R7852 		1		*
RUDDER - LOWER	2	1	325, AREA AFT OF VERTICAL FIN	27-21-01
RUDDER - UPPER	2	1	326, AREA AFT OF VERTICAL FIN	27-21-01
SERVO - RUDDER RATIO CHANGER, LOWER	4	1	324DL,324DR, VERTICAL FIN	27-28-12
SERVO - RUDDER RATIO CHANGER, UPPER	4	1	324UL,324UR, VERTICAL FIN	27-28-12
SERVO - (22-21-00/101)				
YAW DAMPER				
SWITCH - RUDDER TRIM CONTROL, S3	1	1	FLT COMPT, P8 AILERON/RUDDER TRIM CONTROL MODULE, M7312	*
SWITCH PACK - RUDDER TRIM, M6701	3	1	324FL, 324FR, VERTICAL FIN	27-21-04
TRANSMITTER - LOWER RUDDER POSITION, T491	4	1	324FL, 324FR, VERTICAL FIN	27-21-01
TRANSMITTER - UPPER RUDDER POSITION, T490	4	1	324FL, 324FR, VERTICAL FIN	27-21-01
UNITS - (31-61-00/101)				
C EFIS/EICAS INTERFACE, M7352				
L EFIS/EICAS INTERFACE, M7353				
R EFIS/EICAS INTERFACE, M7351				
VALVE - RUDDER & ELEVATOR HYDRAULIC SYSTEM 1 SHUTOFF, V142	5	1	312A, STABILIZER JACKSCREW	27-23-01
VALVE - RUDDER & ELEVATOR HYDRAULIC SYSTEM 2 SHUTOFF, V143	5	1	312A, STABILIZER JACKSCREW	27-23-01
VALVE - RUDDER & ELEVATOR HYDRAULIC SYSTEM 3 SHUTOFF, V147	5	1	312A, STABILIZER JACKSCREW	27-23-01
VALVE - RUDDER & ELEVATOR HYDRAULIC SYSTEM 4 SHUTOFF, V150	5	1	312A, STABILIZER JACKSCREW	27-23-01

* SEE THE WDM EQUIPMENT LIST

 DLH 001-199Rudder - Component Index
Figure 101 (Sheet 2)**Figure 147 27-20 Rudders Comp. Index Fig. 101 (Sheet 2)**

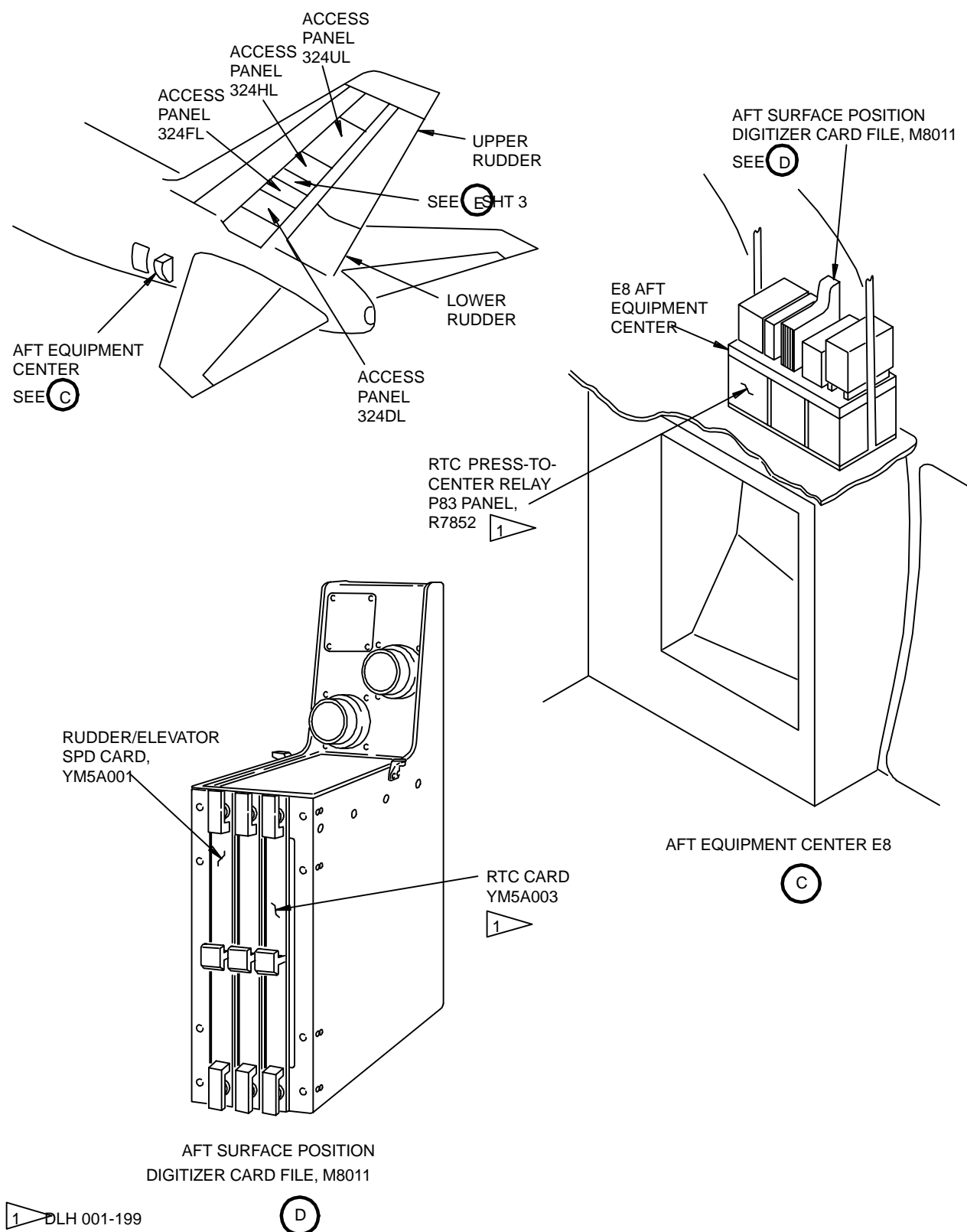
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Rudder - Component Location
Figure 102 (Sheet 1)

Figure 148 27-20 Rudders Comp. Location Fig. 102 (Sheet 1)

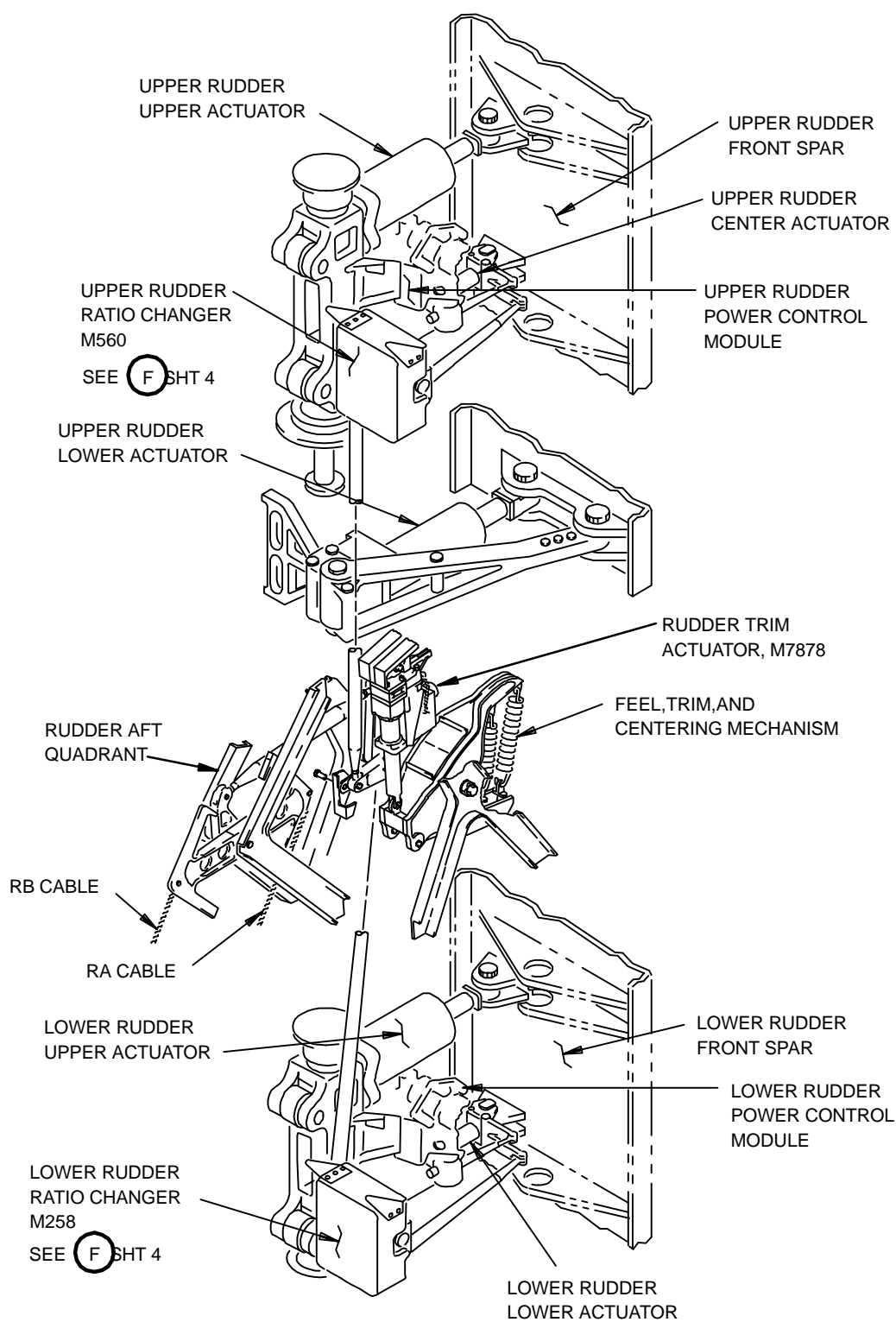


Rudder - Component Location
Figure 102 (Sheet 2)

Figure 149 27-20 Rudders Comp. Location Fig. 102 (Sheet 2)

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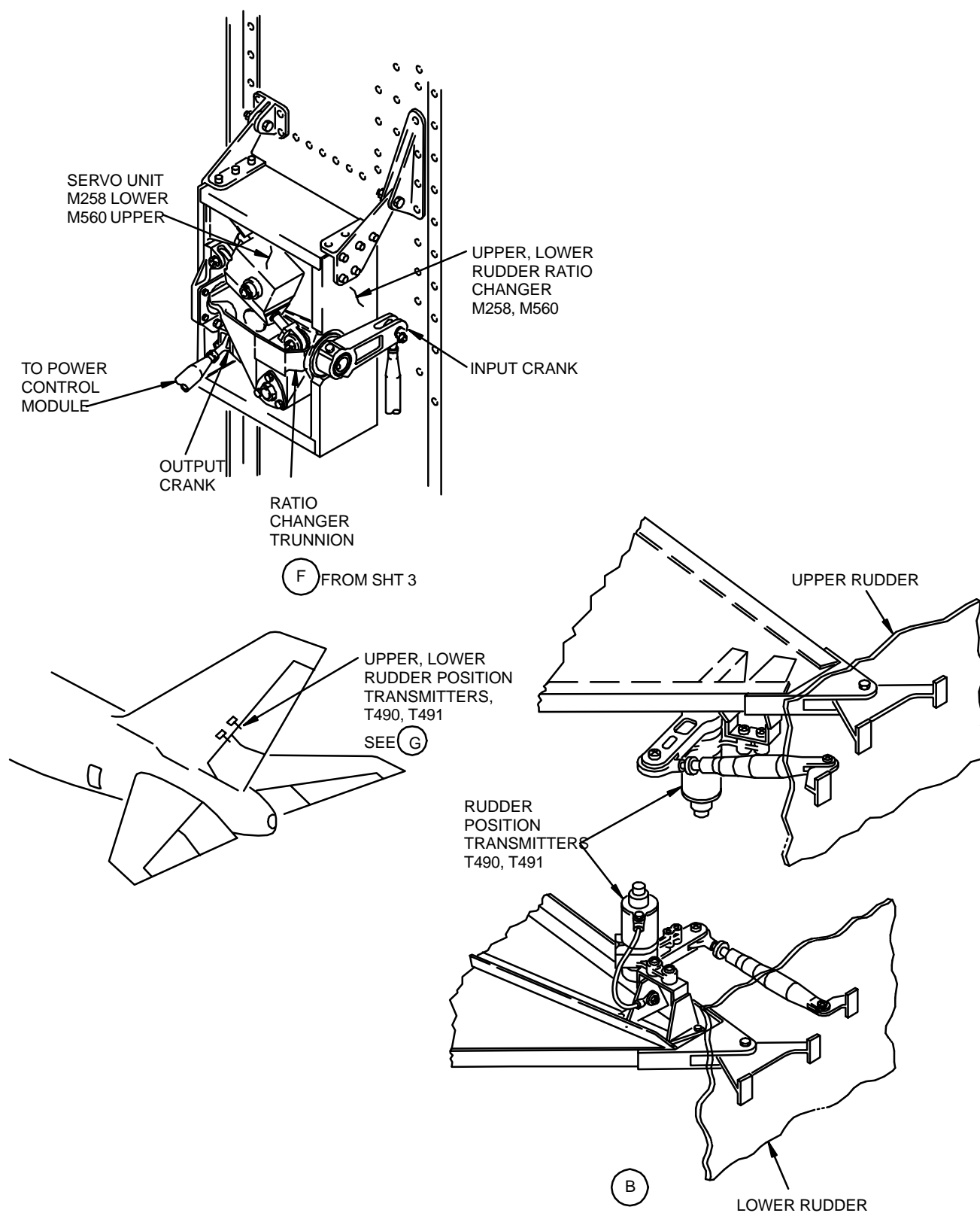
Rudder - Component Location

Figure 102 (Sheet 3)

Figure 150 27-20 Rudders Comp. Location Fig. 102 (Sheet 3)

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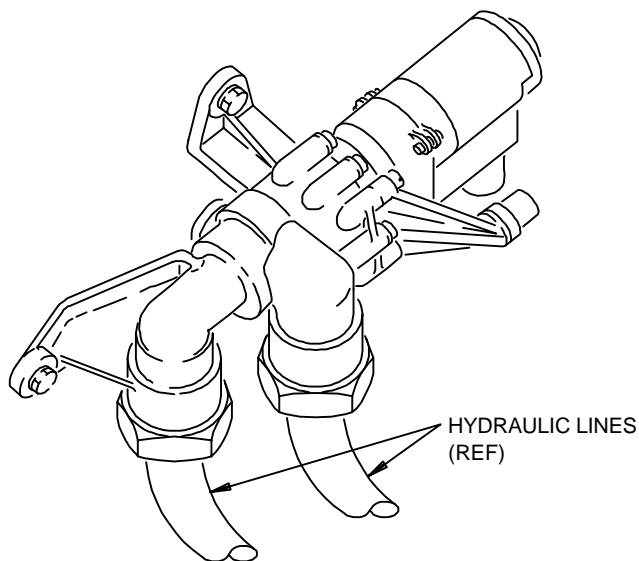
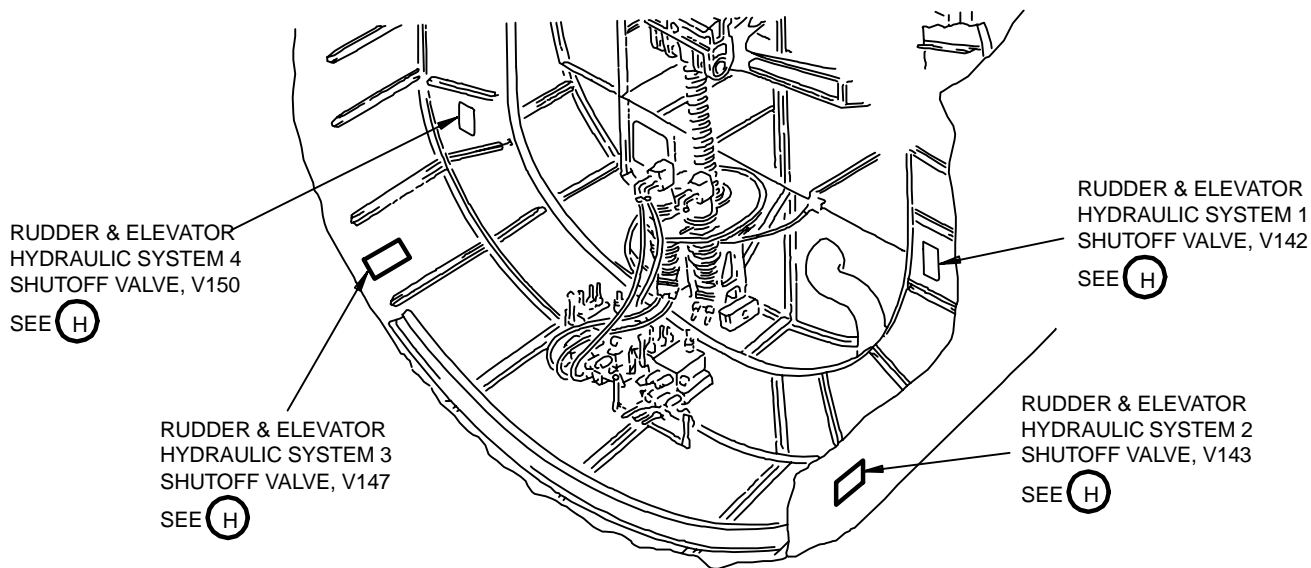


Rudder - Component Location
Figure 102 (Sheet 4)

Figure 151 27-20 Rudders Comp. Location Fig. 102 (Sheet 4)

579984





RUDDER & ELEVATOR HYDRAULIC SHUTOFF VALVE
(4 PLACES TYPICAL)
V142 (SYSTEM 1)
V143 (SYSTEM 2)
V147 (SYSTEM 3)
V150 (SYSTEM 4)

(H)

Rudder - Component Location
Figure 102 (Sheet 5)

Figure 152 27-20 Rudders Comp. Location Fig. 102 (Sheet 5)

686278



27-30 ELEVATORS

COMPONENT INDEX AND LOCATION



ELEVATORS

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ACTUATOR - ELEVATOR FEEL	2	1	315Z, AFT STAB COMPARTMENT	27-31-17
ACTUATOR - INBOARD ELEVATOR POWER CONTROL PACKAGE	2	2	334HBL, L INBOARD ELEV 344HBR, R INBOARD ELEV	27-31-07
ACTUATOR - OUTBOARD ELEVATOR POWER CONTROL PACKAGE	2	2	334LBL,344LBR, STAB TRAILING EDGE 336DBL,347DAR, ELEV LEADING EDGE	27-31-08
CARD - (REF 27-20-00, FIG. 101) RUD/ELEV SURFACE POSITION DIGITIZER (SPD), YM5A001				
CIRCUIT BREAKERS - RUD/ELEV IND, C383			FLT COMPT, P6,P7	
RUD/ELEV SENSOR, C10061			6J24	*
STICK SHAKER L, C10299			6J25	*
STICK SHAKER R, C10300			7D5	*
			7D19	*
CIRCUIT BREAKERS - ELEV/RUD VLV SYS 1, C648			117AL, MAIN EQUIP CTR, P180	
ELEV/RUD VLV SYS 2, C652			180H8	*
ELEV/RUD VLV SYS 3, C654			180E7	*
ELEV/RUD VLV SYS 4, C657			180H23	*
			180E22	*
COMPUTER - ELEVATOR FEEL, B169	2	1	312A, STAB JACKSCREW	27-31-14
COMPUTER - L STALL WARNING MANAGEMENT, YMXOA05	4	1	117AL, MAIN EQUIP CTR, MAWEA	27-32-00
COMPUTER - R STALL WARNING MANAGEMENT, YAXOA10	4	1	117AL, MAIN EQUIP CTR, MAWEA	27-32-00
COLUMN - CONTROL	3	2	FLT COMPT	27-31-04
ELEVATOR - INBOARD	1	2	REAR SPAR OF HORIZONTAL STAB	27-31-01
ELEVATOR - OUTBOARD	1	2	REAR SPAR OF HORIZONTAL STAB	27-31-02
MODULE - (REF 27-10-00, FIG. 101) FLIGHT CONTROLS HYDRAULIC POWER, M191				
QUADRANT - ELEVATOR AFT	2	1	315A, AFT STAB COMPARTMENT	27-31-06
QUADRANT - ELEVATOR FORWARD	3	2	CABIN, NOSE TO FIRST DOOR	27-31-05
REGULATOR - ELEVATOR CONTROL CABLE TENSION	3	1	PASS CABIN, NOSE TO FIRST DOOR, LH	27-31-00
SHAKER - CAPTAIN'S CONTROL COLUMN, M7983	3	1	CONTROL CABIN, LH	27-32-02
SHAKER - FIRST OFFICER'S CONTROL COLUMN, M7984	3	1	CONTROL CABIN, RH	27-32-02
TRANSMITTER - L INBOARD ELEV POSITION, T1672	5	1	334GBL, HORIZONTAL STABILIZER	27-38-01
TRANSMITTER - R INBOARD ELEV POSITION, T1673	5	1	334GBR, HORIZONTAL STABILIZER	27-38-01
TRANSMITTER - L OUTBOARD ELEV POSITION, T438	5	1	334KBL, HORIZONTAL STABILIZER	27-38-01
TRANSMITTER - R OUTBOARD ELEV POSITION, T437	5	1	334KBR, HORIZONTAL STABILIZER	27-38-01
UNIT - (REF 31-61-00, FIG. 101) C EFIS/EICAS INTERFACE, M7352				
L EFIS/EICAS INTERFACE, M7353				
R EFIS/EICAS INTERFACE, M7351				
UNIT - ELEVATOR FEEL	2	1	315A, AFT STABILIZER COMPARTMENT	27-31-17
VALVE - (REF 27-20-00, FIG. 101) RUDDER & ELEVATOR HYDRAULIC SYSTEM 1 SHUTOFF				
RUDDER & ELEVATOR HYDRAULIC SYSTEM 2 SHUTOFF				
RUDDER & ELEVATOR HYDRAULIC SYSTEM 3 SHUTOFF				
RUDDER & ELEVATOR HYDRAULIC SYSTEM 4 SHUTOFF				

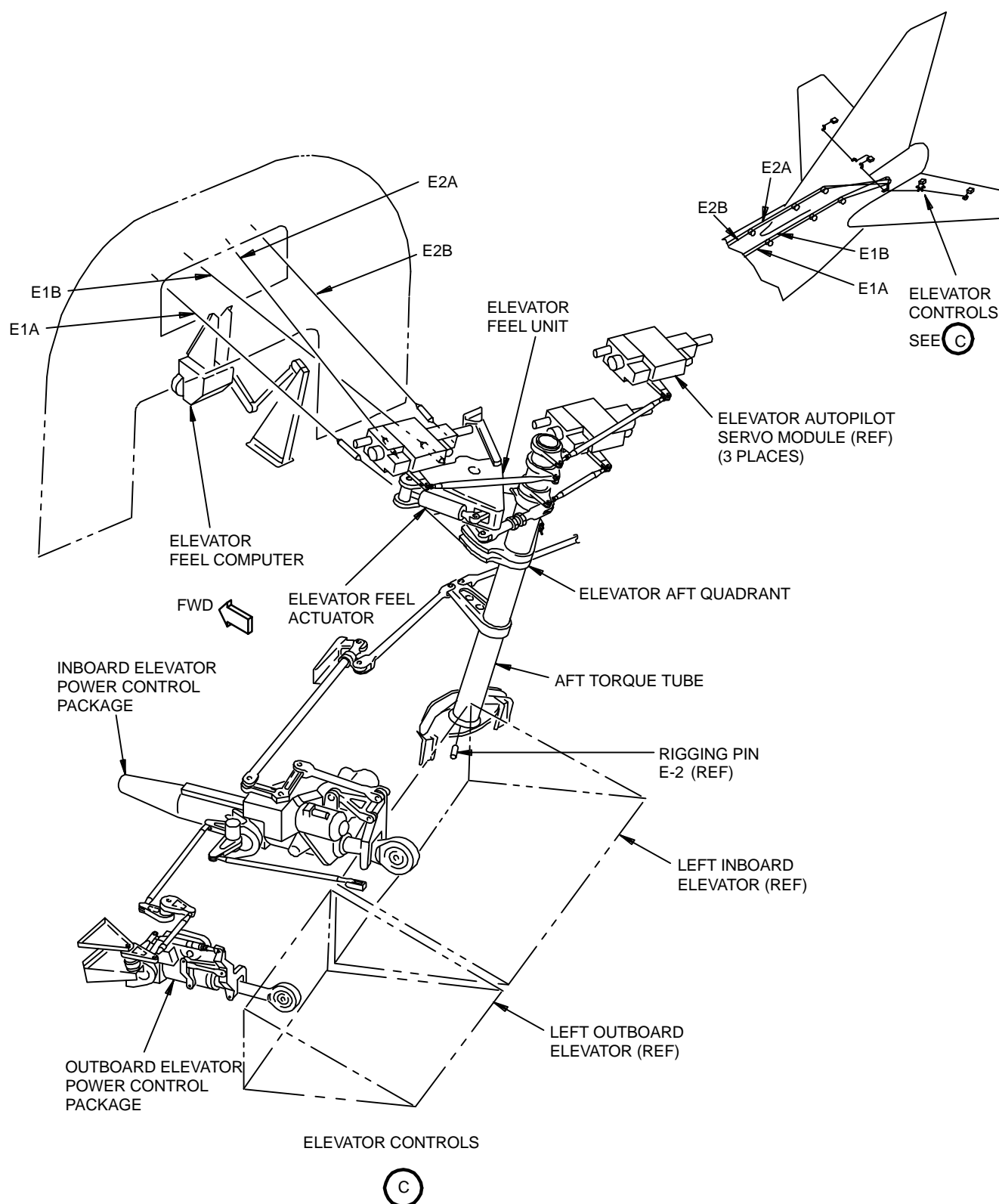
* SEE WDM EQUIPMENT LIST

Elevators - Component Index
Figure 101

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Figure 153 27-30 Elevators Comp. Index Fig. 101



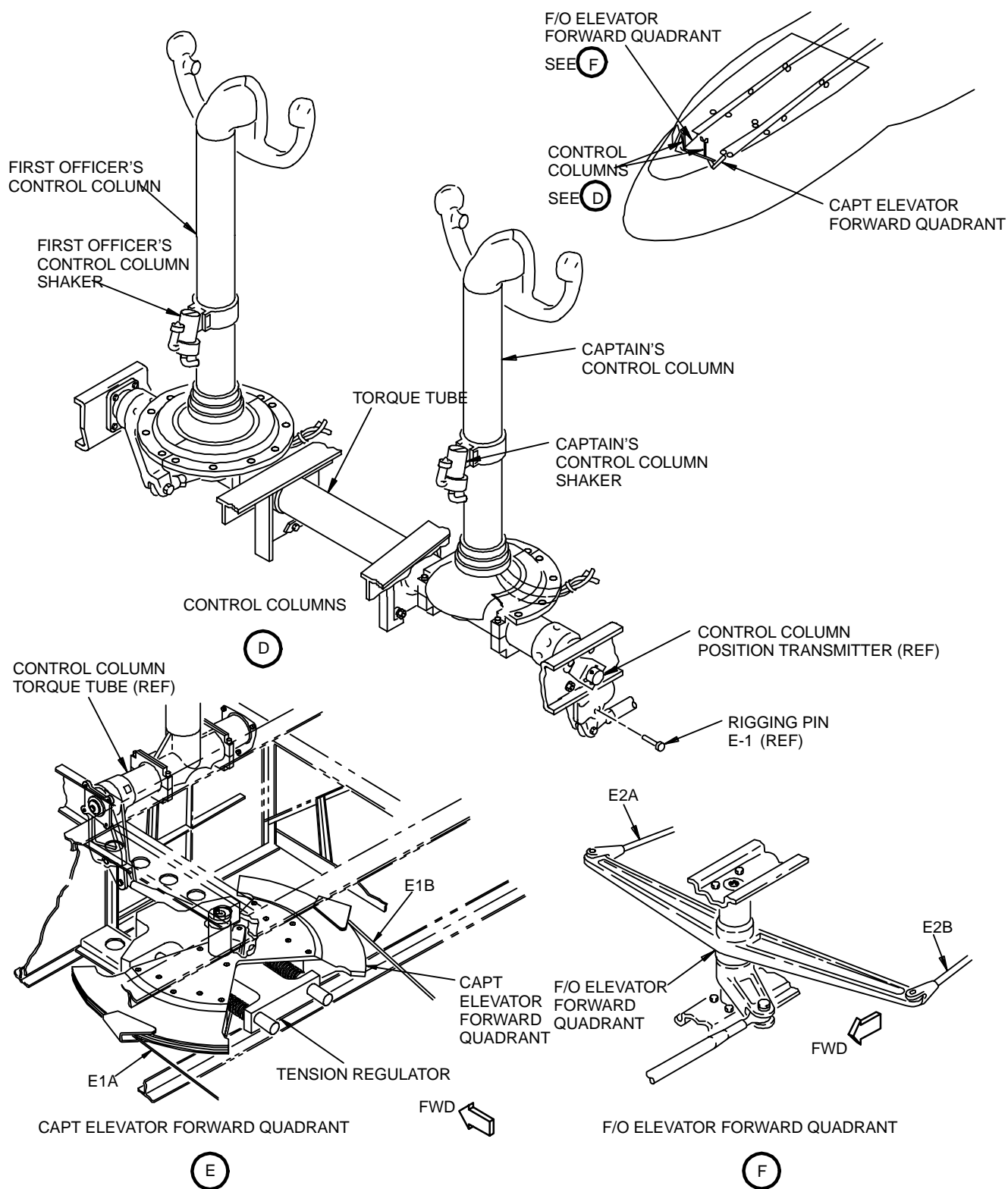


Elevators - Component Location
Figure 102 (Sheet 2)

Figure 154 27-30 Elevators Comp. Location Fig. 102 (Sheet 2)

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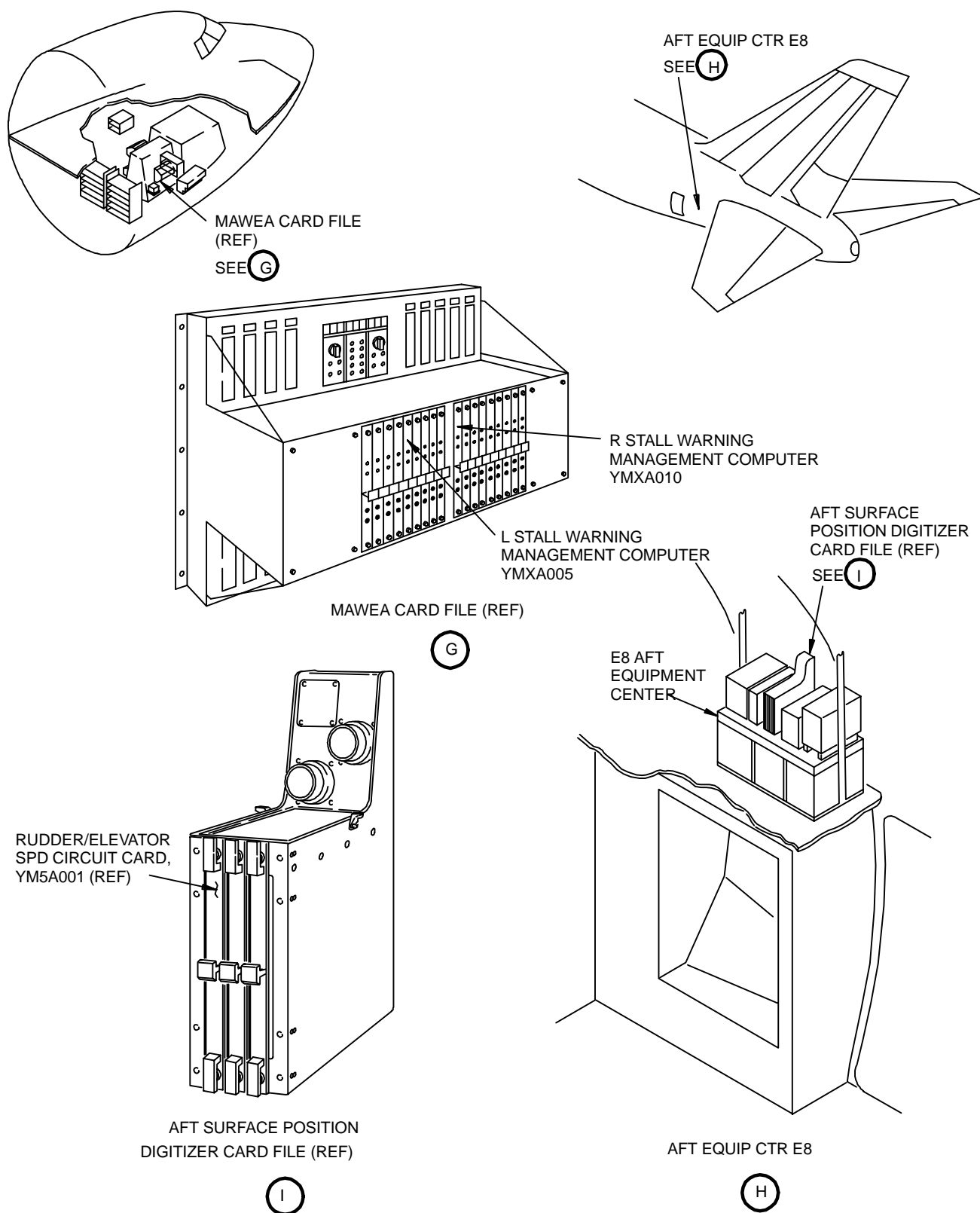


Elevators - Component Location
Figure 102 (Sheet 3)

Figure 155 27-30 Elevators Comp. Location Fig. 102 (Sheet 3)

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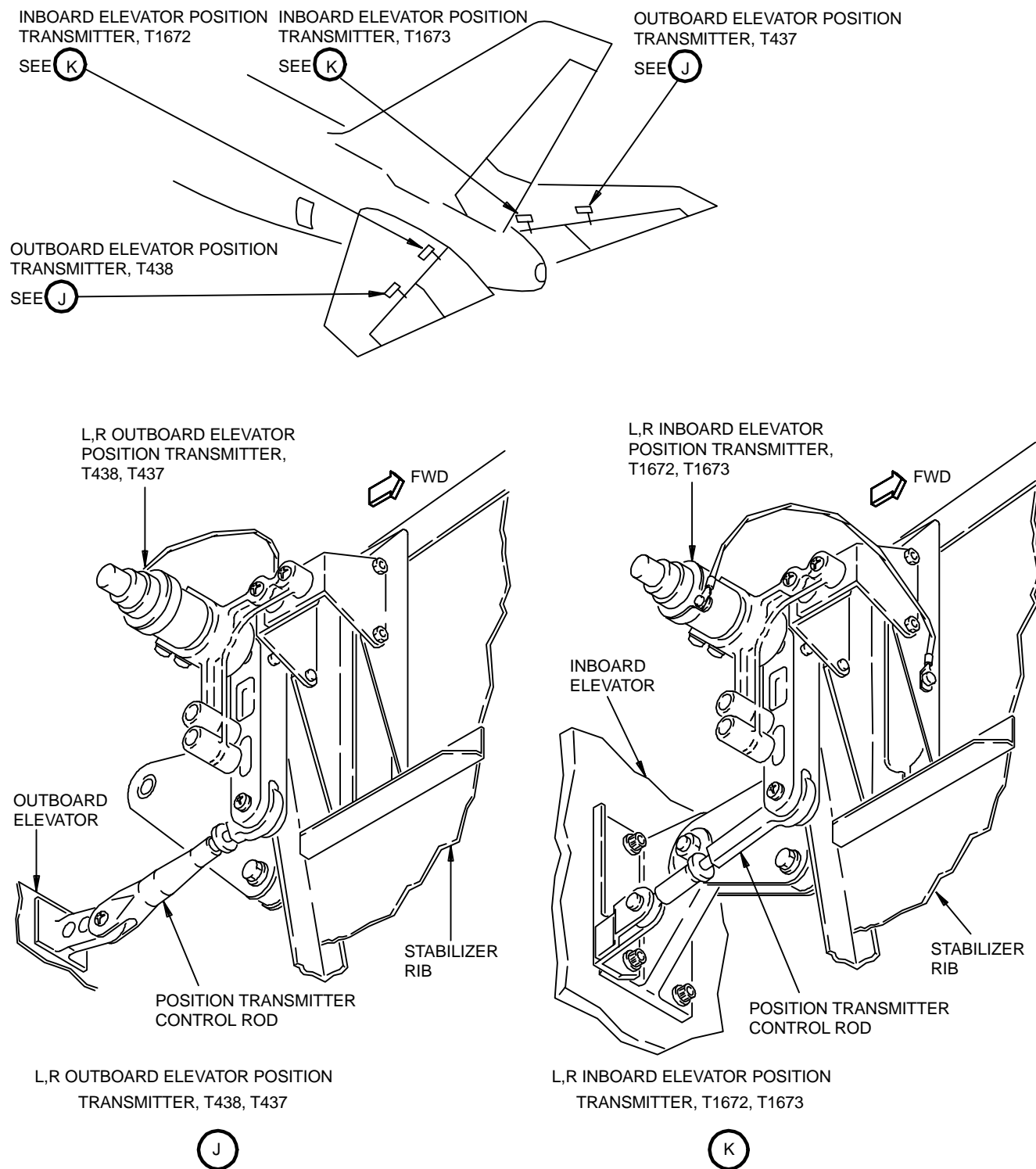


Elevators - Component Location
Figure 102 (Sheet 4)

Figure 156 27-30 Elevators Comp. Location Fig. 102 (Sheet 4)

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NOTE: LEFT ELEVATOR POSITION TRANSMITTERS SHOWN. RIGHT TRANSMITTERS SIMILAR.

Elevators - Component Location
Figure 102 (Sheet 5)

Figure 157 27-30 Elevators Comp. Location Fig. 102 (Sheet 5)

580941



27-40 STABILIZER

COMPONENT INDEX AND LOCATION



HORIZONTAL STABILIZER

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ACTUATOR - STABILIZER TRIM DRIVE	2	1	312A, STABILIZER JACKSCREW	27-41-06
BRAKE - STABILIZER TRIM HYDRAULIC	2	2	312A, STABILIZER JACKSCREW	27-41-05
CIRCUIT BREAKERS -	1		FLT COMPT, P6,P7 PANELS	
FLT CONT ELEC 1L AC, C8782		1	7C12	*
FLT CONT ELEC 1L DC, C8783		1	7C13	*
FLT CONT ELEC 1R AC, C8784		1	7C14	*
FLT CONT ELEC 1R DC, C8785		1	7C15	*
FLT CONT ELEC 2L AC, C10263		1	7C10	*
FLT CONT ELEC 2L DC, C10264		1	7C11	*
FLT CONT ELEC 2R AC, C10265		1	7C16	*
FLT CONT ELEC 2R DC, C10266		1	7C17	*
STAB TRIM ALTN CONT, C8789		1	7E23	*
STAB TRIM L CONT, C8770		1	7E6	*
STAB TRIM L RATE, C10233		1	7E8	*
STAB TRIM L S/O VALVE, C8771		1	7E7	*
STAB TRIM POS IND L, C10324		1	6K23	*
STAB TRIM POS IND R, C10325		1	6K24	*
STAB TRIM R CONT, C8772		1	7E19	*
STAB TRIM R RATE, C10234		1	7E21	*
STAB TRIM R S/O VALVE, C8773		1	7E20	*
INDICATOR - CAPT STABILIZER POSITION, N311	1	1	P8, FLT COMPT	27-48-02
INDICATOR - F/O STABILIZER POSITION, N312	1	1	P8, FLT COMPT	27-48-02
MODULE - L STABILIZER TRIM CONTROL, B189	2	1	312A, STABILIZER JACKSCREW	27-41-04
MODULE - L STABILIZER TRIM/RUDDER RATIO, M3136	1	1	117AL, MAIN EQUIP CTR, E1-2	27-41-01
MODULE - R STABILIZER TRIM CONTROL, B188	2	1	312A, STABILIZER JACKSCREW	27-41-04
MODULE - R STABILIZER TRIM/RUDDER RATIO, M3137	1	1	117AL, MAIN EQUIP CTR, E2-2	27-41-01
MOTOR - STABILIZER TRIM HYDRAULIC	2	2	312A, STABILIZER JACKSCREW	27-41-10
RESISTORS - CURRENT LIMITING	1			
L OPEN OTHER, M1425		1	117AL, MAIN EQUIP CTR, E1-2	*
L OPEN OWN, M1424		1	117AL, MAIN EQUIP CTR, E1-2	*
L SHUTDOWN OTHER, M1423		1	117AL, MAIN EQUIP CTR, E1-2	*
L SHUTDOWN OWN, M1422		1	117AL, MAIN EQUIP CTR, E1-2	*
R OPEN OTHER, M1429		1	117AL, MAIN EQUIP CTR, E2-2	*
R OPEN OWN, M1428		1	117AL, MAIN EQUIP CTR, E2-2	*
R SHUTDOWN OTHER, M1427		1	117AL, MAIN EQUIP CTR, E2-2	*
R SHUTDOWN OWN, M1426		1	117AL, MAIN EQUIP CTR, E2-2	*

* SEE THE WDM EQUIPMENT LIST

Horizontal Stabilizer - Component Index
Figure 101 (Sheet 1)

581803

Figure 158 27-40 Horizontal Stabilizer Comp. Index Fig. 101 (Sheet 1)

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
SWITCH - HYDRAULIC PRESSURE	2			
- L, YM1S001		1	312A, STABILIZER JACKSCREW	27-41-04
- R, YM2S001		1	312A, STABILIZER JACKSCREW	27-41-04
SWITCH - STABILIZER TRIM, ALTERNATE ELECTRIC, S1953	1	1	FLT COMPT, P8	*
SWITCH - STABILIZER TRIM CUTOUT 2, YBES627	1	1	FLT COMPT, P8	*
SWITCH - STABILIZER TRIM CUTOUT 3, YBES628	1	1	FLT COMPT, P8	*
SWITCH - STABILIZER TRIM, MANUAL ELECTRIC, CAPTAIN'S, S661	1	1	FLT COMPT, CAPT CONTROL WHEEL	27-41-1 1
SWITCH - STABILIZER TRIM, MANUAL ELECTRIC, FIRST OFFICER'S, S662	1	1	FLT COMPT, F/O CONTROL WHEEL	27-41-1 1
SWITCH - STABILIZER TRIM, ELEVATOR CONTROL ACTUATOR CUTOUT	1			
- L COLUMN AFT, S814		1	MAIN DECK, NOSE TO FIRST DOOR	27-41-07
- L COLUMN FORWARD, S813		1	MAIN DECK, NOSE TO FIRST DOOR	27-41-07
- R COLUMN AFT, S815		1	MAIN DECK, NOSE TO FIRST DOOR	27-41-07
- R COLUMN FORWARD, S816		1	MAIN DECK, NOSE TO FIRST DOOR	27-41-07
SWITCH - STABILIZER TRIM LIMIT	3			
- L ALTERNATE NOSE DOWN, S1955		1	312A, STABILIZER JACKSCREW	27-41-08
- L ALTERNATE NOSE UP, S1954		1	312A, STABILIZER JACKSCREW	27-41-08
- L AUTOPILOT NOSE UP, S1959		1	312A, STABILIZER JACKSCREW	27-41-08
- L LANDING GEAR DOWN - NOSE DOWN, S1956		1	312A, STABILIZER JACKSCREW	27-41-08
- L LANDING GEAR UP - NOSE DOWN, S1957		1	312A, STABILIZER JACKSCREW	27-41-08
- L NOSE UP, S1958		1	312A, STABILIZER JACKSCREW	27-41-08
- R ALTERNATE NOSE DOWN, S1961		1	312A, STABILIZER JACKSCREW	27-41-08
- R ALTERNATE NOSE UP, S1960		1	312A, STABILIZER JACKSCREW	27-41-08
- R AUTOPILOT NOSE UP, S1965		1	312A, STABILIZER JACKSCREW	27-41-08
- R LANDING GEAR DOWN - NOSE DOWN, S1962		1	312A, STABILIZER JACKSCREW	27-41-08
- R LANDING GEAR UP - NOSE UP, S1963		1	312A, STABILIZER JACKSCREW	27-41-08
- R NOSE UP, S1964		1	312A, STABILIZER JACKSCREW	27-41-08

* SEE WDM EQUIPMENT LIST

Horizontal Stabilizer - Component Index
Figure 101 (Sheet 2)

Figure 159 27-40 Horizontal Stabilizer Comp. Index Fig. 101 (Sheet 2)

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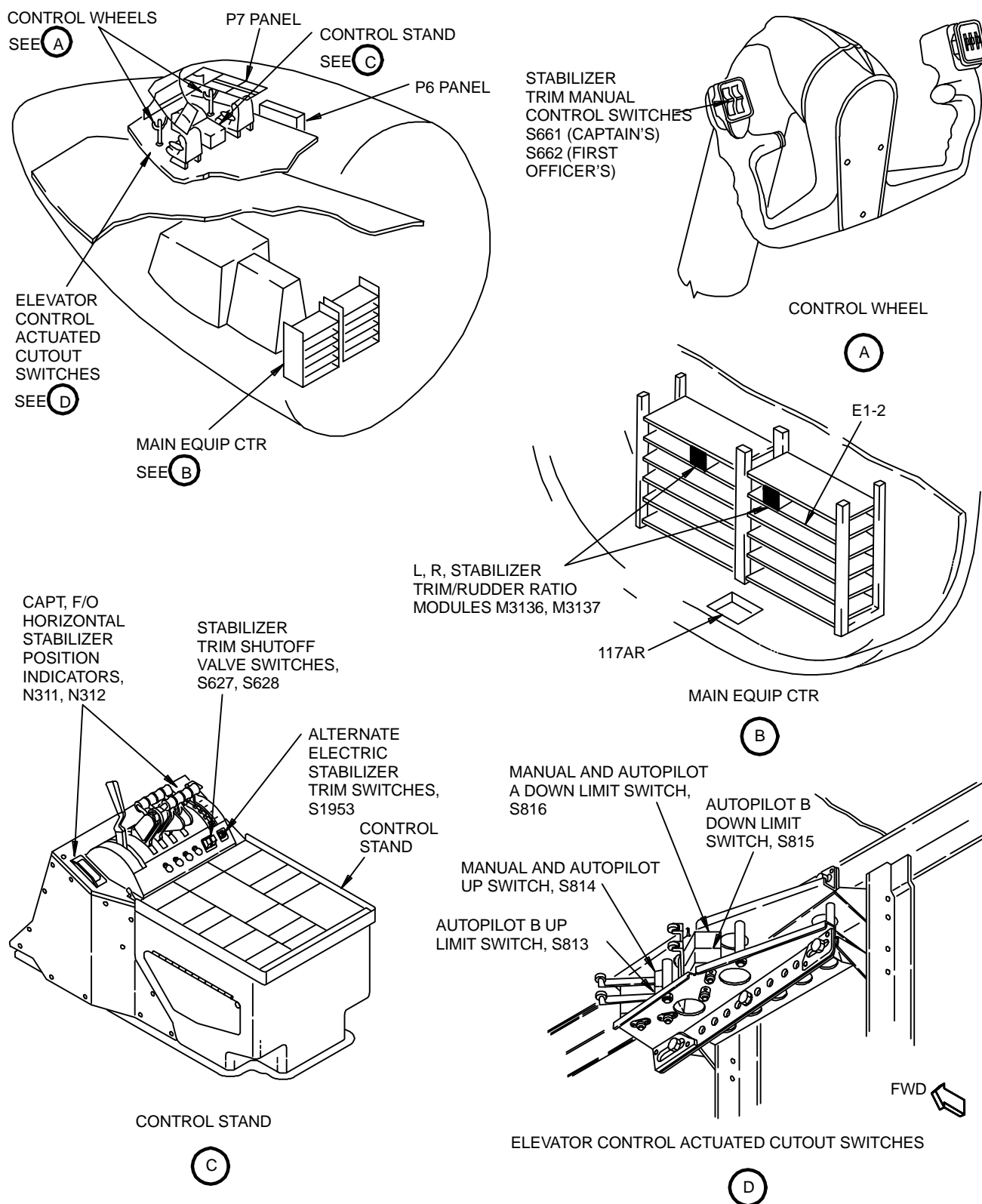
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
TRANSMITTER - C STABILIZER POSITION, M7883	3	1	315A, STABILIZER HINGE	27-48-01
TRANSMITTER - L STABILIZER POSITION, M7884	3	1	315A, STABILIZER HINGE	27-48-01
TRANSMITTER - R STABILIZER POSITION, M7882	3	1	315A, STABILIZER HINGE	27-48-01
UNIT - (REF 31-61-00, FIG. 101)				
C EFIS/EICAS INTERFACE, M7352				
L EFIS/EICAS INTERFACE, M7353				
R EFIS/EICAS INTERFACE, M7351				
UNIT - (REF 27-50-00, FIG. 101)				
C FLAP CONTROL, M7880				
L FLAP CONTROL, M7881				
R FLAP CONTROL, M7879				
VALVE - SHUTOFF, MOTOR OPERATED	2			
- L, YM1V006		1	312A, STABILIZER JACKSCREW	27-41-04
- R, YM2V006		1	312A, STABILIZER JACKSCREW	27-41-04
VALVE - SOLENOID	2			
- L NOSE DOWN ARMING, YM1V003		1	312A, STABILIZER JACKSCREW	27-41-04
- L NOSE DOWN CONTROL, YM1V004		1	312A, STABILIZER JACKSCREW	27-41-04
- L NOSE UP ARMING, YM1V001		1	312A, STABILIZER JACKSCREW	27-41-04
- L NOSE UP CONTROL, YM1V002		1	312A, STABILIZER JACKSCREW	27-41-04
- L RATE CONTROL, YM1V005		1	312A, STABILIZER JACKSCREW	27-41-04
- R NOSE DOWN ARMING, YM2V003		1	312A, STABILIZER JACKSCREW	27-41-04
- R NOSE DOWN CONTROL, YM2V004		1	312A, STABILIZER JACKSCREW	27-41-04
- R NOSE UP ARMING, YM2V001		1	312A, STABILIZER JACKSCREW	27-41-04
- R NOSE UP CONTROL, YM2V002		1	312A, STABILIZER JACKSCREW	27-41-04
- R RATE CONTROL, YM2V005		1	312A, STABILIZER JACKSCREW	27-41-04

Horizontal Stabilizer - Component Index
Figure 101 (Sheet 3)

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Figure 160 27-40 Horizontal Stabilizer Comp. Index Fig. 101 (Sheet 3)



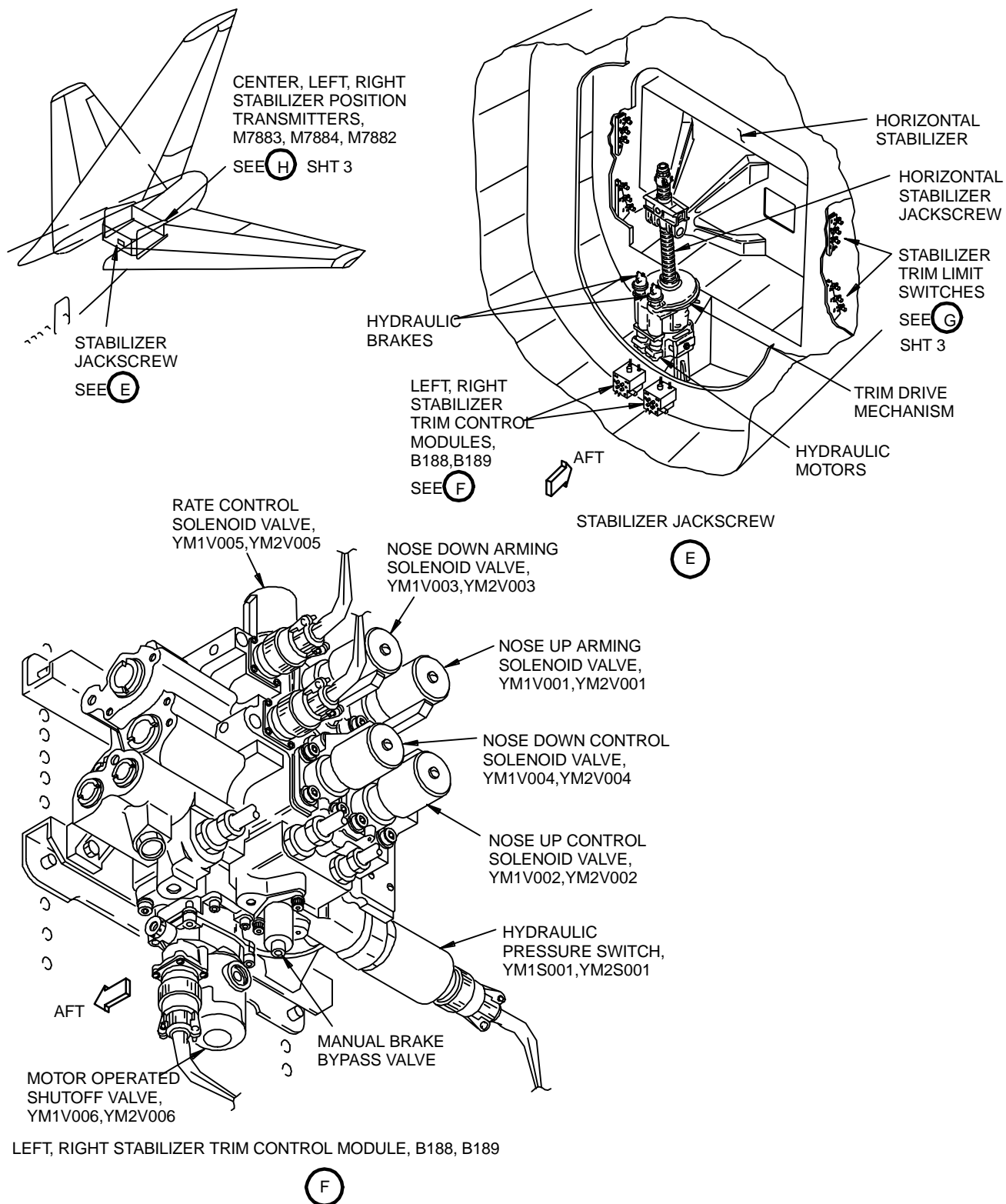


Horizontal Stabilizer - Component Location
Figure 102 (Sheet 1)

Figure 161 27-40 Horizontal Stabilizer Comp. Location Fig. 102 (Sheet 1)

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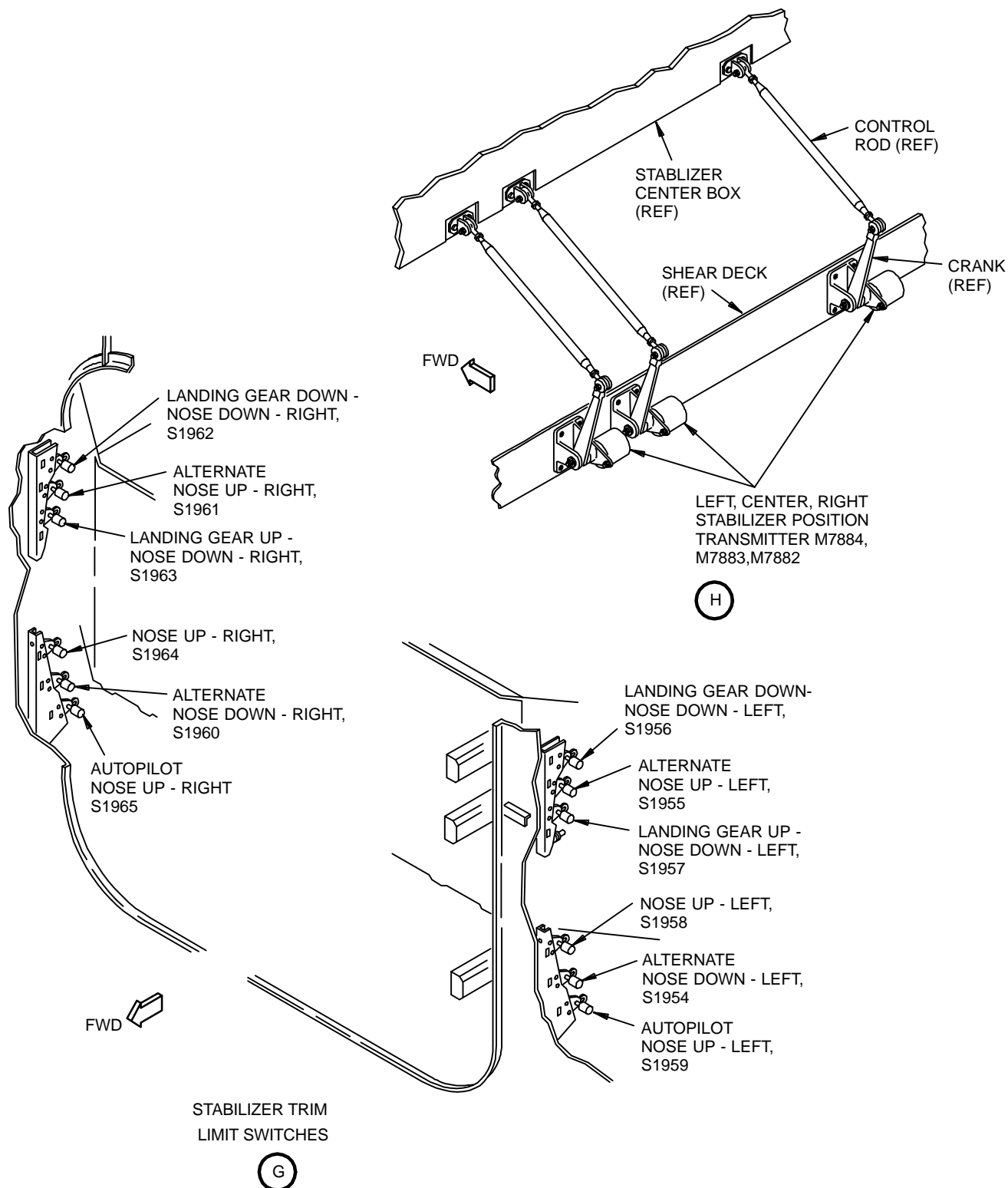


Horizontal Stabilizer - Component Locations
Figure 102 (Sheet 2)

Figure 162 27-40 Horizontal Stabilizer Comp. Locations Fig. 102 (Sheet 2)

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Horizontal Stabilizer - Component Locations (Details from Sht 2)
Figure 102 (Sheet 3)

Figure 163 27-40 Horizontal Stabilizer Comp. Locations Fig. 102 (Sheet 3)

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27-50 FLAPS

COMPONENT INDEX AND LOCATION



FLAPS

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ACTUATOR - TRAILING EDGE FLAP, (M7985)	5	1	L BODY GEAR WHEEL WELL, FLAP CONTROL INPUT LEVER ASSEMBLY	*
AFTFLAP - INBOARD	2	2	EXTEND FLAPS, INBD TE FLAPS	27-51-03
AFTFLAP - OUTBOARD	3	2	EXTEND FLAPS, OUTBD TE FLAPS	27-51-06
ASSEMBLY - FLAP CONTROL INPUT LEVER	5	1	L BODY GEAR WHEEL WELL	27-51-35
ASSEMBLY - INBD FLAP CONTROL	5	1	L BODY GEAR WHEEL WELL, INBD FLAP POWER PACKAGE	27-51-19
ASSEMBLY - FLAP CONTROL LEVER RVD, M7885	6	1	FLT COMPT, FLAP CONTROL LEVER	27-51-07
ASSEMBLY - OUTBD FLAP CONTROL	5	1	R BODY GEAR WHEEL WELL, OUTBD FLAP POWER PACKAGE	27-51-19
BRAKE - NO COAST DRAG	5	1	L BODY GEAR WHEEL WELL	27-51-42
BOGIE - INBD FLAP FORWARD	3	4	EXTEND FLAPS, INBD TE FLAPS	27-51-43
CAM - INBD AFTFLAP DRIVE GENEVA	3	4	EXTEND FLAPS, INBD AFTFLAP DRIVE MECHANISM	27-51-39
CAM - OUTBD AFTFLAP DRIVE GENEVA	4	4	EXTEND FLAPS, OUTBD AFTFLAP DRIVE MECHANISM	27-51-40
CARRIAGE - INBD FLAP	3	4	EXTEND FLAPS, INBD FLAP TRACK FAIRING SUPPORT	27-51-23
CARRIAGE AND TOGGLE - INBD FOREFLAP	3	4	EXTEND FLAPS, INBD FLAP TRACK FAIRING SUPPORT	27-51-24
CARRIAGE - OUTBD FLAP	4	4	EXTEND FLAPS, OUTBD FLAP TRACK FAIRING SUPPORT	27-51-28
CARRIAGE - OUTBD FOREFLAP SEQUENCE	4	4	EXTEND FLAPS, OUTBD FLAP TRACK FAIRING SUPPORT	27-51-30
CARTRIDGE - INBD FLAP CONTROL MODULE PRIORITY VALVE FLOW CONTROL	5	1	L BODY GEAR WHEEL WELL, INBD FLAP POWER PACKAGE	27-51-10
CARTRIDGE - OUTBD FLAP CONTROL MODULE PRIORITY VALVE FLOW CONTROL	5	1	R BODY GEAR WHEEL WELL, OUTBD FLAP POWER PACKAGE	27-51-10
CIRCUIT BREAKERS -	6		FLT COMPT, P6	
TE FLAP ELEC CONT OTBD, C645		1	6L19	*
TE FLAP ELEC CONT INBD, C644		1	6L20	*
PRI TE FLAP CONT AC, C10139		1	6E1	*
PRI TE FLAP CONT DC, C10140		1	6E2	*
CIRCUIT BREAKERS -	6		117AL, MAIN EQUIP CTR, P415	
TE FLAP ELEC INBD, C904		1	415A32	*
TE FLAP ELEC OTBD, C905		1	415M38	*
COMPUTER - (REF 34-12-00, FIG. 101) AIR DATA L, B163				
COMPUTER - (REF 34-12-00, FIG. 101) AIR DATA R, B164				
CRANK - INBD AFTFLAP DRIVE MIDFLAP	3	4	EXTEND FLAPS, INBD AFTFLAP DRIVE MECHANISM	27-51-39
CRANK - OUTBD AFTFLAP DRIVE MIDFLAP	4	4	EXTEND FLAPS, OUTBD AFTFLAP DRIVE MECHANISM	27-51-40
FAIRINGS - INBD FLAP TRACK	3	4	EXTEND FLAPS, INBD TE FLAPS DRIVE LINKAGES	27-51-26
FAIRINGS - OUTBD FLAP TRACK	4	4	EXTEND FLAPS, OUTBD TE FLAPS DRIVE LINKAGES	27-51-31

* SEE WDM EQUIPMENT LIST

Flaps - Component Index
Figure 101 (Sheet 1)

Figure 164 27-50 Flaps Comp. Index Fig. 101 (Sheet 1)

577546



COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
FITTING - INBD AFTFLAP DRIVE AFTFLAP	3	4	EXTEND FLAPS, INBD AFTFLAP DRIVE MECHANISM	27-51-39
FITTING - INBD AFTFLAP DRIVE MIDFLAP CRANK ATTACH	3	4	EXTEND FLAPS, INBD AFTFLAP DRIVE MECHANISM	27-51-39
FITTING - INBD AFTFLAP DRIVE UPSTOP	3	4	EXTEND FLAPS, INBD AFTFLAP DRIVE MECHANISM	27-51-39
FITTING - INBD FLAP TRACK FAIRING SUPPORT	3	4	EXTEND FLAPS, INBD FLAP TRACK FAIRING SUPPORT	27-51-44
FITTING - INBD FLAP TRACK FAIRING SUPPORT ATTACH	3	4	EXTEND FLAPS, INBD FLAP TRACK FAIRING SUPPORT	27-51-44
FITTING - INBD FLAP TRACK FAIRING SUPPORT MIDFLAP	3	4	EXTEND FLAPS, INBD FLAP TRACK FAIRING SUPPORT	27-51-44
FITTING - OUTBD AFTFLAP DRIVE MIDFLAP CRANK ATTACH	4	4	EXTEND FLAPS, OUTBD AFTFLAP DRIVE MECHANISM	27-51-40
FITTING - OUTBD AFTFLAP DRIVE UPSTOP	4	4	EXTEND FLAPS, OUTBD AFTFLAP DRIVE MECHANISM	27-51-40
FITTING - OUTBD FLAP TRACK FAIRING SUPPORT	4	4	EXTEND FLAPS, OUTBD FLAP TRACK FAIRING SUPPORT	27-51-45
FITTING - OUTBD FLAP TRACK FAIRING SUPPORT ATTACH	4	4	EXTEND FLAPS, OUTBD FLAP TRACK FAIRING SUPPORT	27-51-45
FLAP - INBD	2	2	EXTEND FLAPS, INBD TE FLAPS	27-51-01
FLAP - OUTBD	3	2	EXTEND FLAPS, OUTBD TE FLAPS	27-51-04
FOREFLAP - INBD	2	2	EXTEND FLAPS, INBD TE FLAPS	27-51-02
FOREFLAP - OUTBD	3	2	EXTEND FLAPS, OUTBD TE FLAPS	27-51-05
GEARBOX - FLAP ANGLE	5	8	BODY GEAR WHEEL WELLS, AFT OF WING LANDING GEAR BEAM, AFT OF WING REAR SPAR, 581AB THROUGH 581KB, 681AB THROUGH 681KB, EXTEND FLAPS, L AND R BODY GEAR WHEEL WELL	27-51-21
LEVER - FLAP CONTROL	6	1	FLT COMPT	27-51-08
LINK - INBD FLAP TRACK FAIRING SUPPORT FIXED DRIVE	3	4	EXTEND FLAPS, INBD FLAP TRACK FAIRING SUPPORT	27-51-44
LINK - OUTBD FLAP TRACK FAIRING SUPPORT FIXED DRIVE	4	4	EXTEND FLAPS, OUTBD FLAP TRACK FAIRING SUPPORT	27-51-45
MECHANISM - INBD AFTFLAP DRIVE	3	4	EXTEND FLAPS	27-51-39
MECHANISM - OUTBD AFTFLAP DRIVE	4	4	EXTEND FLAPS	27-51-40
MODULE - INBD FLAP CONTROL	5	1	L BODY GEAR WHEEL WELL, INBD FLAP POWER PACKAGE	27-51-10
MODULE - OUTBD FLAP CONTROL	5	1	R BODY GEAR WHEEL WELL, INBD FLAP POWER PACKAGE	27-51-10
MOTOR - INBD FLAP ALTERNATE DRIVE, M625	5	1	L BODY GEAR WHEEL WELL, INBD FLAP POWER PACKAGE	27-51-17
MOTOR - INBD FLAP DRIVE HYDRAULIC	5	1	L BODY GEAR WHEEL WELL, INBD FLAP POWER PACKAGE	27-51-16

Flaps - Component Index
Figure 101 (Sheet 2)

Figure 165 27-50 Flaps Comp. Index Fig. 101 (Sheet 2)

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COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
MOTOR - OUTBD FLAP ALTERNATE DRIVE, M622	5	1	R BODY GEAR WHEEL WELL, OUTBD FLAP POWER PACKAGE	27-51-17
MOTOR - OUTBD FLAP DRIVE HYDRAULIC	5	1	R BODY GEAR WHEEL WELL, OUTBD FLAP POWER PACKAGE	27-51-16
PACK - INBD FLAP POWER PACKAGE LIMIT SWITCH, S2102	5	1	L BODY GEAR WHEEL WELL, INBD FLAP POWER PACKAGE	27-51-18
PACK - OUTBD FLAP POWER PACKAGE LIMIT SWITCH, S2103	5	1	R BODY GEAR WHEEL WELL, OUTBD FLAP POWER PACKAGE	27-51-18
PACKAGE - INBD FLAP POWER	5	1	L BODY GEAR WHEEL WELL	27-51-09
PACKAGE - OUTBD FLAP POWER	5	1	R BODY GEAR WHEEL WELL	27-51-09
PUSHROD - INBD AFTFLAP DRIVE	3	4	EXTEND FLAPS, INBD AFTFLAP DRIVE MECHANISM	27-51-39
PUSHROD - OUTBD AFTFLAP DRIVE	4	4	EXTEND FLAPS, OUTBD AFTFLAP DRIVE MECHANISM	27-51-40
RELAYS - (REF 31-01-09, FIG. 101) INBD FLAPS DOWN DRIVE, R113 INBD FLAPS UP DRIVE, R114 INBD TE ASYM/FAIL, R7513 OUTBD FLAPS DOWN DRIVE, R115 OUTBD FLAPS UP DRIVE, R116 OUTBD TE ASYM/FAIL, R7515 RELAYS - (REF 31-01-36, FIG. 101) ALT FLAPS 1, R7774 ALT LE RET INTLK, R8076 FLAPS EXTEND DRIVE, R7633 INBD ELEC DISABLE, R8114 RELAYS - (31-01-39, FIG. 101) ALT FLAPS 2, R7775 FLAPS RETRACT DRIVE, R7632 OUTBD ELEC DISABLE, R8112				
ROD - INBD AFTFLAP DRIVE ACTUATOR	3	4	EXTEND FLAPS, INBD AFTFLAP DRIVE MECHANISM	27-51-39
ROD - INBD FLAP TRACK FAIRING SUPPORT ADJUSTABLE	3	4	EXTEND FLAPS, INBD FLAP TRACK FAIRING SUPPORT	27-51-44
ROD - INBD FLAP TRACK FAIRING SUPPORT DRIVE	3	4	EXTEND FLAPS, INBD FLAP TRACK FAIRING SUPPORT	27-51-44
ROD - OUTBD AFTFLAP DRIVE ACTUATOR	4	4	EXTEND FLAPS, OUTBD AFTFLAP DRIVE MECHANISM	27-51-40
ROD - OUTBD FLAP TRACK FAIRING SUPPORT ADJUSTABLE	4	4	EXTEND FLAPS, OUTBD FLAP TRACK FAIRING SUPPORT	27-51-45
ROD - OUTBD FLAP TRACK FAIRING SUPPORT DRIVE	4	4	EXTEND FLAPS, OUTBD FLAP TRACK FAIRING SUPPORT	27-51-45
SCREW - BALL	3	8	EXTEND FLAPS, INBD TE FLAPS	27-51-41
SUPPORT - INBD AFTFLAP DRIVE AFT ROLLER	3	4	EXTEND FLAPS, INBD AFTFLAP DRIVE MECHANISM	27-51-39
SUPPORT - INBOARD FLAP TRACK FAIRING	3	4	EXTEND FLAPS, INBD TE FLAPS	27-51-44
SUPPORT - OUTBOARD AFTFLAP DRIVE AFT ROLLER	4	4	EXTEND FLAPS, OUTBD AFTFLAP DRIVE MECHANISM	27-51-40
SUPPORT - OUTBOARD FLAP TRACK FAIRING	4	4	EXTEND FLAPS, OUTBD TE FLAPS	27-51-45

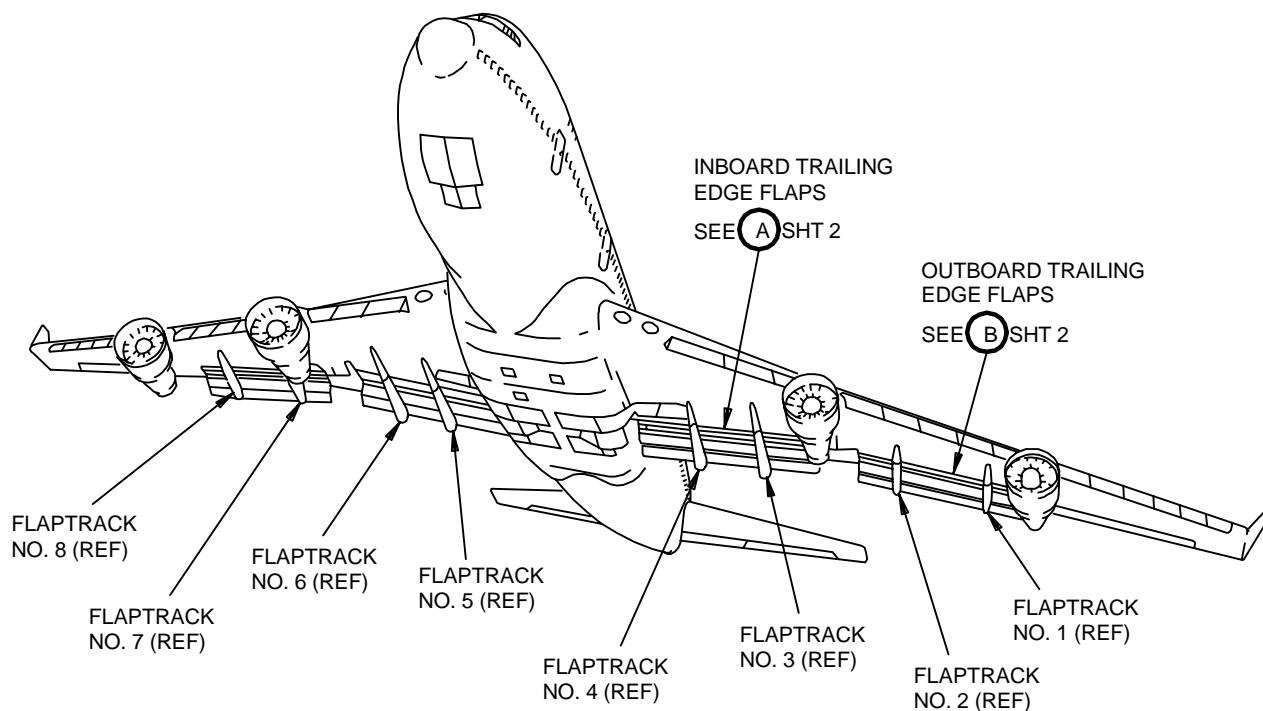
* SEE WDM EQUIPMENT LIST

Flaps - Component Index
Figure 101 (Sheet 3)

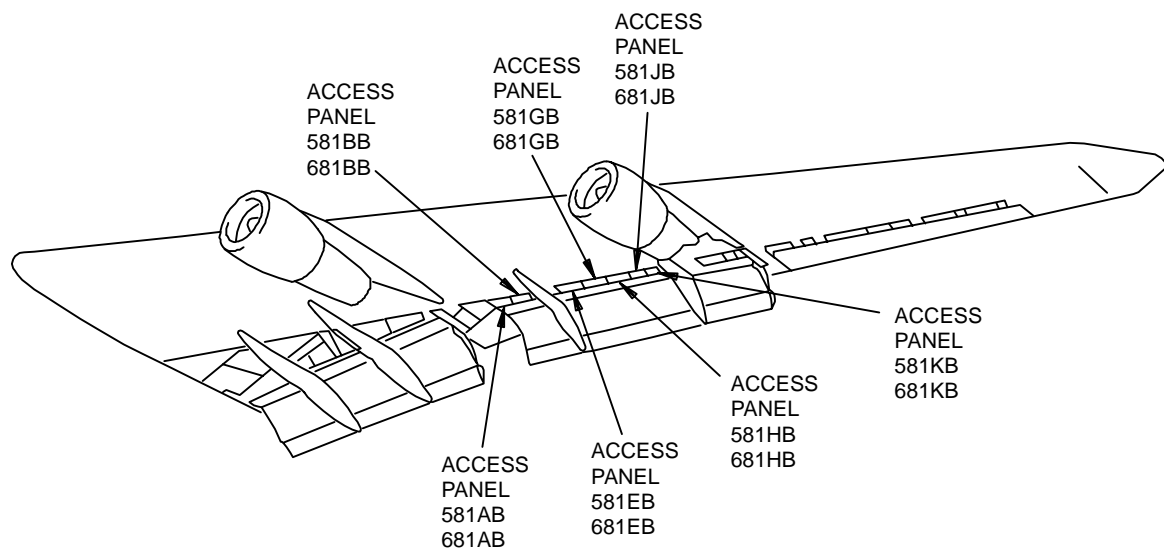
Figure 166 27-50 Flaps Comp. Index Fig. 101 (Sheet 3)

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TRAILING EDGE FLAP LOCATIONS



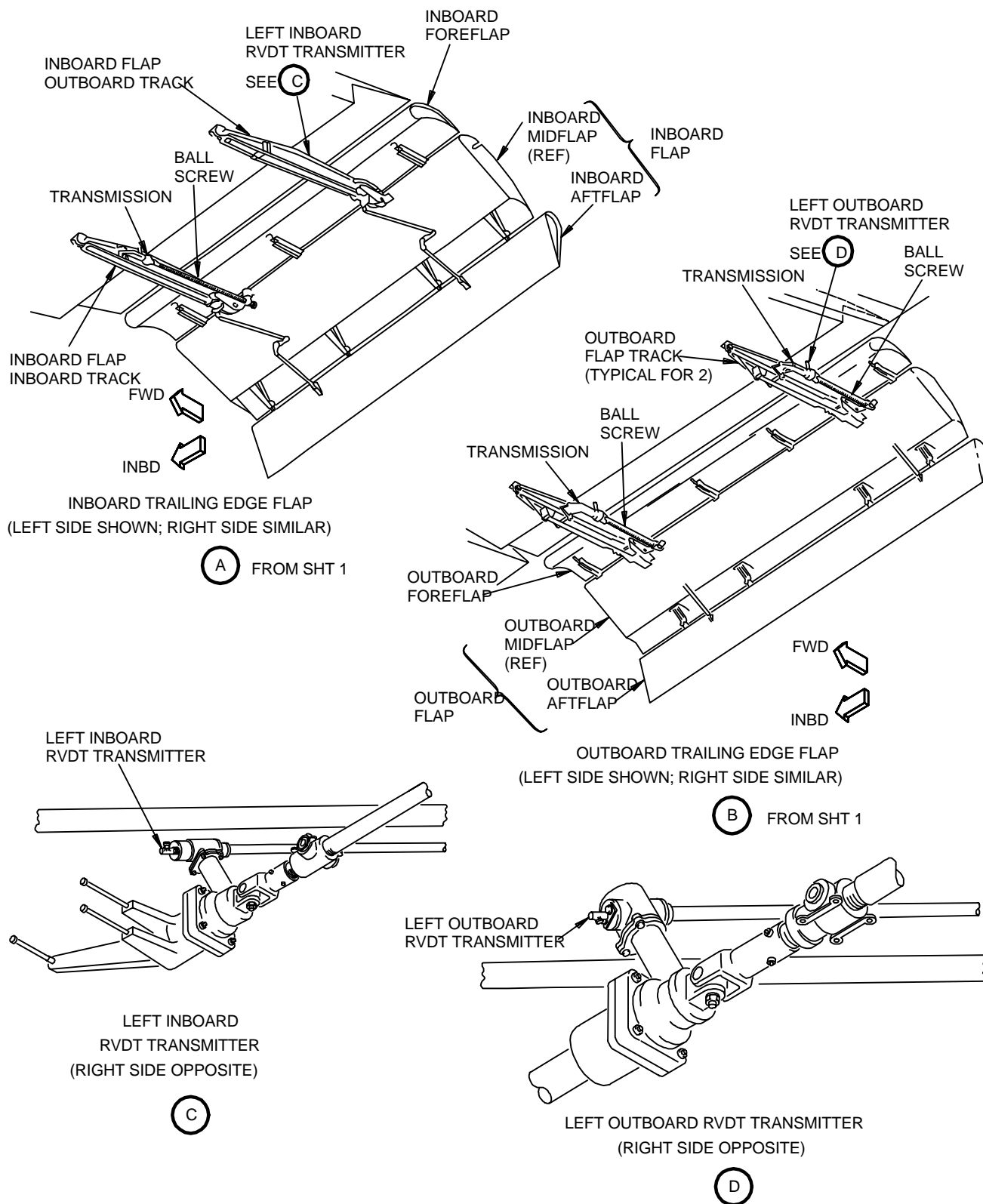
LEFT WING SHOWN
RIGHT WING OPPOSITE

Flaps - Component Location
Figure 102 (Sheet 1)

Figure 167 27-50 Flaps Comp. Location Fig. 102 (Sheet 1)

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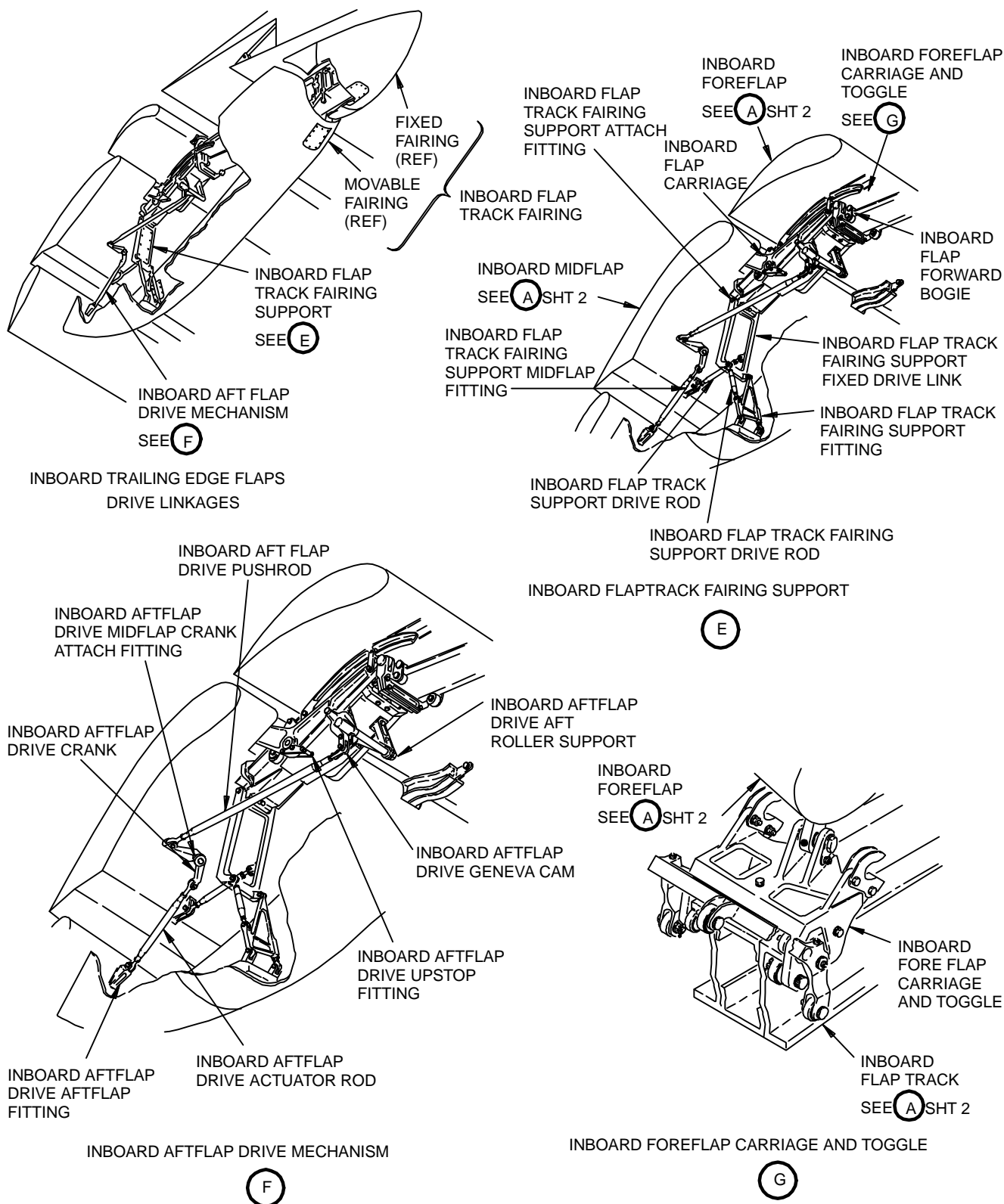


Flaps - Component Location
Figure 102 (Sheet 2)

Figure 168 27-50 Flaps Comp. Location Fig. 102 (Sheet 2)

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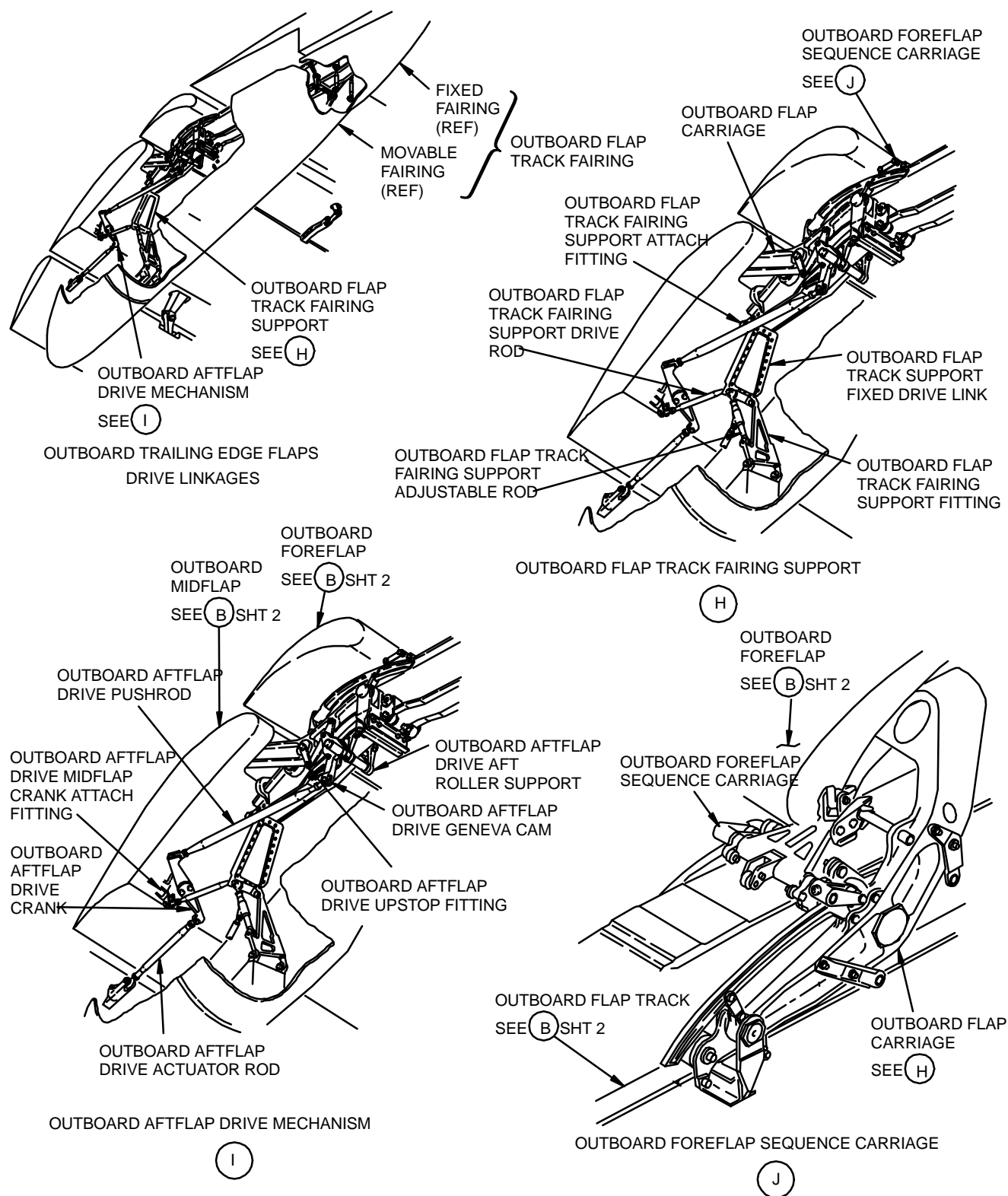


Flaps - Component Location
Figure 102 (Sheet 3)

Figure 169 27-50 Flaps Comp. Location Fig. 102 (Sheet 3)

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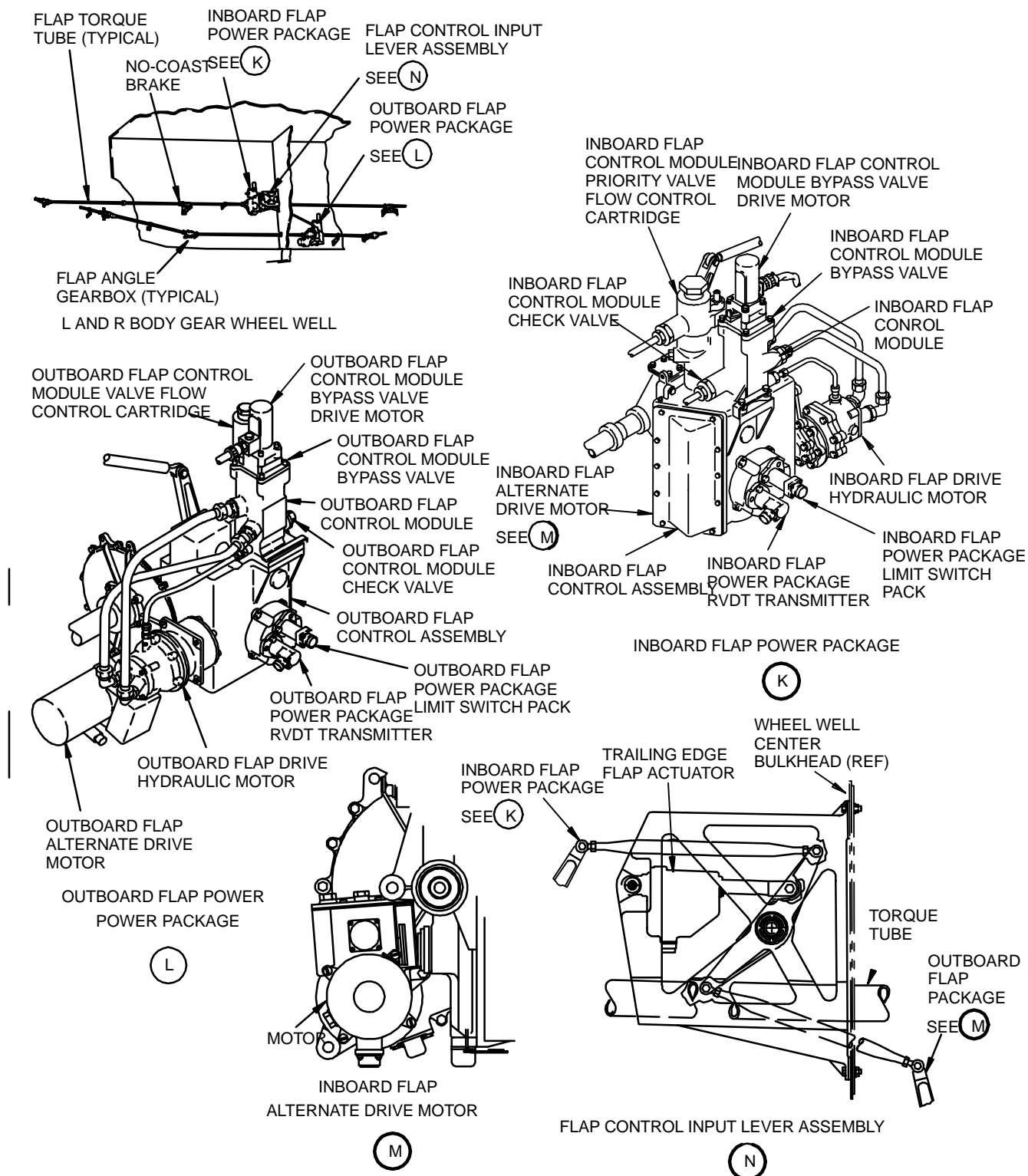


Flaps - Component Location
Figure 102 (Sheet 4)

Figure 170 27-50 Flaps Component Location Fig. 102 (Sheet 4)

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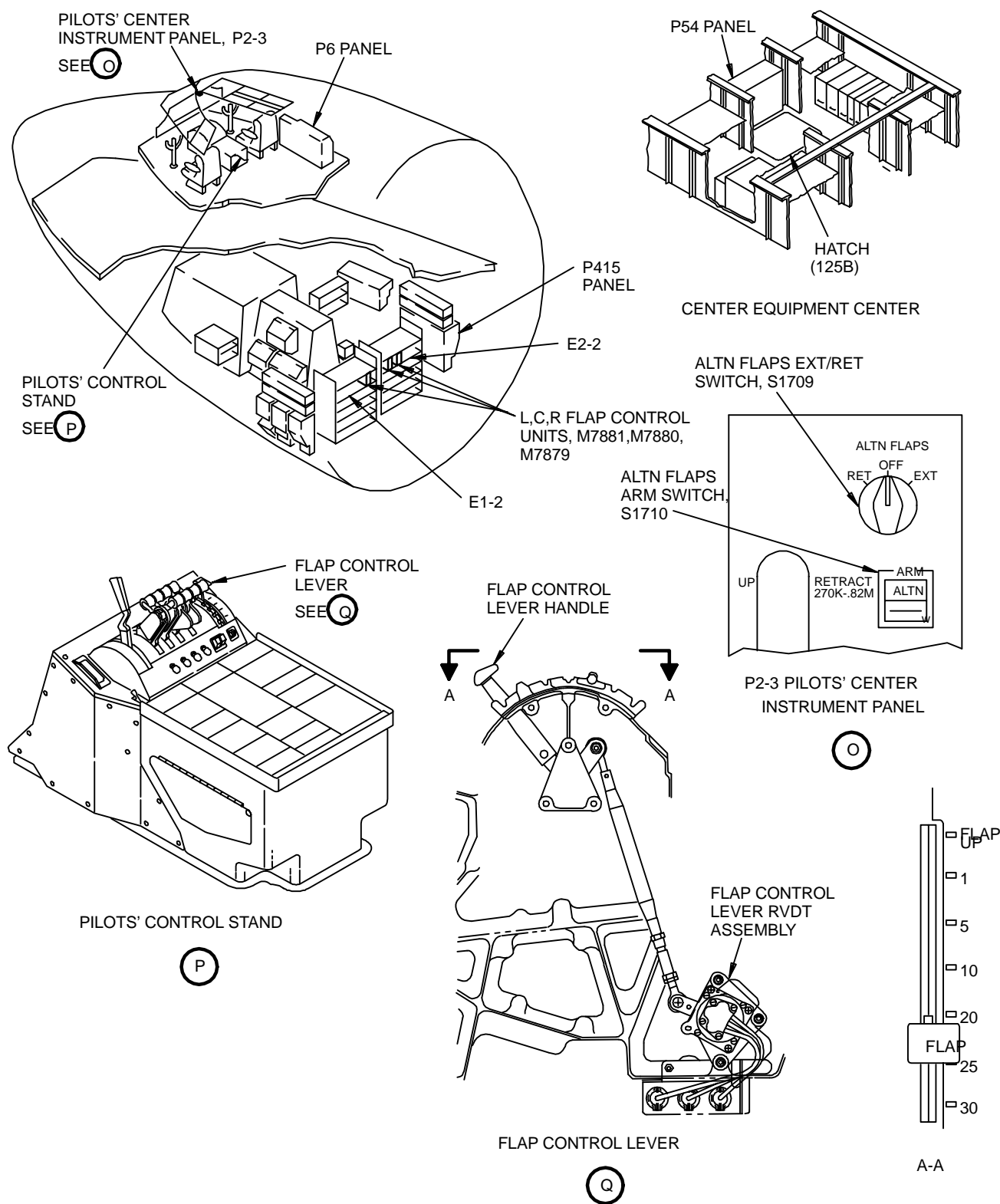


Flaps - Component Location
Figure 102 (Sheet 5)

Figure 171 27-50 Flaps Comp. Location Fig. 102 (Sheet 5)

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Flaps - Component Location
Figure 102 (Sheet 6)

Figure 172 27-50 Flaps Comp. Location Fig. 102 (Sheet 6)

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27-60 SPOILERS

COMPONENT INDEX AND LOCATION



SPOILER AND DRAG DEVICES

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ACTUATOR - AUTO SPEED BRAKE, X432	4	1	FWD PASS COMPT, SPEED BRAKE MECHANISM	27-62-07
ACTUATOR - INBOARD FLT SPOILER RATIO CHANGER				
NO. 5	2	1	572FB, INBD FLT SPLR CONT PACK	27-61-13
NO. 8	2	1	672FB, INBD FLT SPLR CONT PACK	27-61-13
CIRCUIT BREAKERS -	3		FLT COMPT, P6,P7	
SPEED BRAKE AUTO CONT, C1156		1	7G6	*
SPEED BRAKE FLT DETENT, C1236		1	7G7	*
SPLR/ALRN IND, C10062		1	6J21	*
SPLR/ALRN SENSOR, C384		1	6J20	*
CIRCUIT BREAKERS -	3		117AL, MAIN EQUIP CTR, P180	
LATERAL CONT VLV SYS 2, C651		1	180E6	*
LATERAL CONT VLV SYS 3, C653		1	180H23	*
LATERAL CONT VLV SYS 4, C656		1	180E22	*
CIRCUIT CARD - (REF 27-10-00, FIG. 101)				
AILERON/SPOILER SURFACE POSITION				
DIGITIZER (SPD), YMLA17				
DIODE - (REF 31-01-06, FIG. 101)				
M3461,M3462,X454,X455,X456				
FILTER - INBOARD FLT SPOILER CONT PACKAGE				
NO. 5	2	1	572FB, INBD FLT SPLR CONT PACK	27-61-04
NO. 8	2	1	672FB, INBD FLT SPLR CONT PACK	27-61-04
FILTER - OUTBOARD FLT SPOILER CONT PACKAGE				
NO. 1	3	1	581MB; RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	27-61-05
NO. 2	3	1	581JB; RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	27-61-05
NO. 3	3	1	581GB, RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	27-61-05
NO. 4	3	1	RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	27-61-05
NO. 9	3	1	RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	27-61-05
NO. 10	3	1	681GB; RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	27-61-05
NO. 11	3	1	681JB; RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	27-61-05
NO. 12	3	1	681MB; RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	27-61-05
LEVER - SPEED BRAKE CONTROL	4	1	FLT COMPT	27-62-02
LOCK - SPEED BRAKE CONTROL LEVER, X636	4	1	FWD PASS COMPT, SPEED BRAKE MECHANISM	27-62-08
MECHANISM - SPEED BRAKE	4	1	FWD PASS COMPT	27-62-03
MECHANISM - SPEED BRAKE SEQUENCE	3	1	R WING GEAR WHEEL WELL	27-62-06
MECHANISM - L SPOILER DIFFERENTIAL	4	1	L WING GEAR WHEEL WELL	27-61-03
MECHANISM - R SPOILER DIFFERENTIAL	4	1	R WING GEAR WHEEL WELL	27-61-03
MODULE - (REF 27-10-00, FIG. 101)				
FLT CONT HYD SHUTOFF, M191				
MODULE - (REF 76-11-00, FIG. 101)				
SW PACK, T/R AND AUTOBRAKE, YBEM003				
PACKAGE - (REF 27-10-00, FIG. 101)				
CENTRAL LATERAL CONTROL				

* SEE WM EQUIPMENT LIST

Spoiler and Drag Devices - Component Index
Figure 101 (Sheet 1)

579329

Figure 173 27-60 Spoiler and Drag Devices Comp. Index Fig. 101 (Sheet 1)



COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
PACKAGE - INBOARD FLIGHT SPOILER CONTROL				
NO. 5	2	1	572FB, RAISE SPLR, EXTEND FLAPS	27-61-04
NO. 8	2	1	672FB, RAISE SPLR, EXTEND FLAPS	27-61-04
PACKAGE - GROUND SPOILER CONTROL				
NO. 6	2	1	572CB, GROUND SPLR CONT PACK	27-62-05
NO. 7	2	1	672CB, GROUND SPLR CONT PACK	27-62-05
PACKAGE - OUTBOARD FLIGHT SPOILER CONTROL				
NO. 1	3	1	581MB; RAISE SPLR, EXTEND FLAPS	27-61-05
NO. 2	3	1	581JB; RAISE SPLR, EXTEND FLAPS	27-61-05
NO. 3	3	1	581GB; RAISE SPLR, EXTEND FLAPS	27-61-05
NO. 4	3	1	RAISE SPLR, EXTEND FLAPS	27-61-05
NO. 9	3	1	RAISE SPLR, EXTEND FLAPS	27-61-05
NO. 10	3	1	681GB; RAISE SPLR, EXTEND FLAPS	27-61-05
NO. 11	3	1	681JB; RAISE SPLR, EXTEND FLAPS	27-61-05
NO. 12	3	1	681MB; RAISE SPLR, EXTEND FLAPS	27-61-05
PSEU - (REF 32-09-00, FIG. 101)				
M7838				
QUADRANT - INBOARD FLIGHT SPOILER INPUT				
NO. 5	2	1	572FB, INBD FLT SPLR CONT PACK	27-61-06
NO. 8	2	1	672FB, INBD FLT SPLR CONT PACK	27-61-06
QUADRANT - OUTBOARD FLIGHT SPOILER INPUT				
NO. 1	3	1	581MB; RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	27-61-08
NO. 2	3	1	581JB; RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	27-61-08
NO. 3	3	1	581GB; RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	27-61-08
NO. 4	3	1	RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	27-61-08
NO. 9	3	1	RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	
NO. 10	3	1	681GB; RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	27-61-08
NO. 11	3	1	681JB; RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	27-61-08
NO. 12	3	1	681MB; RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	27-61-08
QUADRANT - SPEED BRAKE SEQUENCE MECHANISM	4	1	R WING GEAR WHEEL WELL	27-61-13
QUADRANT - SPOILER DIFFERENTIAL MECHANISM				
LEFT	4	2	L WING GEAR WHEEL WELL	27-61-07
RIGHT	4	2	R WING GEAR WHEEL WELL	27-61-07
RELAY - (REF 31-01-06, FIG. 101)				
EXTEND, R835				
FAULT MONITOR, R836				
LANDING GEAR ALT CONT, R838				
LANDING GEAR PRIM CONT, R837				
RETRACT, R834				
THROT IDLE, R7519				
THROT IDLE, R7520				
RELAY - (REF 31-01-39, FIG. 101)				
GND SAFETY, R7336				

Spoiler and Drag Devices - Component Index
Figure 101 (Sheet 2)

Figure 174 27-60 Spoiler and Drag Devices Comp. Index Fig. 101 (Sheet 2)

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COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
SPOILER - INBOARD FLIGHT				
NO. 5	1	1	572FB, RAISE SPLR, EXTEND FLAPS	27-61-01
NO. 8	1	1	672FB, RAISE SPLR, EXTEND FLAPS	27-61-01
SPOILER - GROUND				
NO. 6	1	1	572CB, RAISE SPLR, EXTEND FLAPS	27-62-01
NO. 7	1	1	672CB, RAISE SPLR, EXTEND FLAPS	27-62-01
SPOILER - OUTBOARD FLIGHT				
NO. 1	1	1	581MB,581NB; RAISE SPLR, EXTEND FLAPS	27-61-04
NO. 2	1	1	581HB,581JB,581KB; RAISE SPLR, EXTEND FLAPS	27-61-04
NO. 3	1	1	581EB,581GB,581HB; RAISE SPLR, EXTEND FLAPS	27-61-04
NO. 4	1	1	581BB,581EB; RAISE SPLR, EXTEND FLAPS	27-61-04
NO. 9	1	1	681BB,681EB; RAISE SPLR, EXTEND FLAPS	27-61-04
NO. 10	1	1	681EB,681GB,681HB; RAISE SPLR, EXTEND FLAPS	27-61-04
NO. 11	1	1	681HB,681JB,681KB; RAISE SPLR, EXTEND FLAPS	27-61-04
NO. 12	1	1	681MB,681NB; RAISE SPLR, EXTEND FLAPS	27-61-04
SWITCH - (REF 27-10-00, FIG. 101)				
FLT CONT HYD POWER SYSTEM 1, (S5)				
FLT CONT HYD POWER SYSTEM 2, (S6)				
FLT CONT HYD POWER SYSTEM 3, (S7)				
FLT CONT HYD POWER SYSTEM 4, (S8)				
SWITCH - REVERSE THRUST LEVER OPERATED AUTO SPEED BRAKE ARMING, S861	3	1	FLT COMPT, SPEED BRAKE CONTROL HANDLE	27-62-13
SWITCH - SPEED BRAKE MECHANISM OPERATED AUTO SPEED BRAKE ARMING, S217	4	1	FWD PASS COMPT, SPEED BRAKE MECHANISM	27-62-10
TRANSMITTER - SPOILER POSITION NO. 4	1	1	RAISE SPOILER, EXTEND FLAPS, OUTBD FLT SPLR	27-68-01
NO. 12	1	1	681MB; RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR	27-68-01
UNIT - (REF 31-61-00, FIG. 101)				
C EIU, M7352				
L EIU, M7353				
R EIU, M7351				

Spoiler and Drag Devices - Component Index
Figure 101 (Sheet 3)

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Figure 175 27-60 Spoiler and Drag Devices Comp. Index Fig. 101 (Sheet 3)



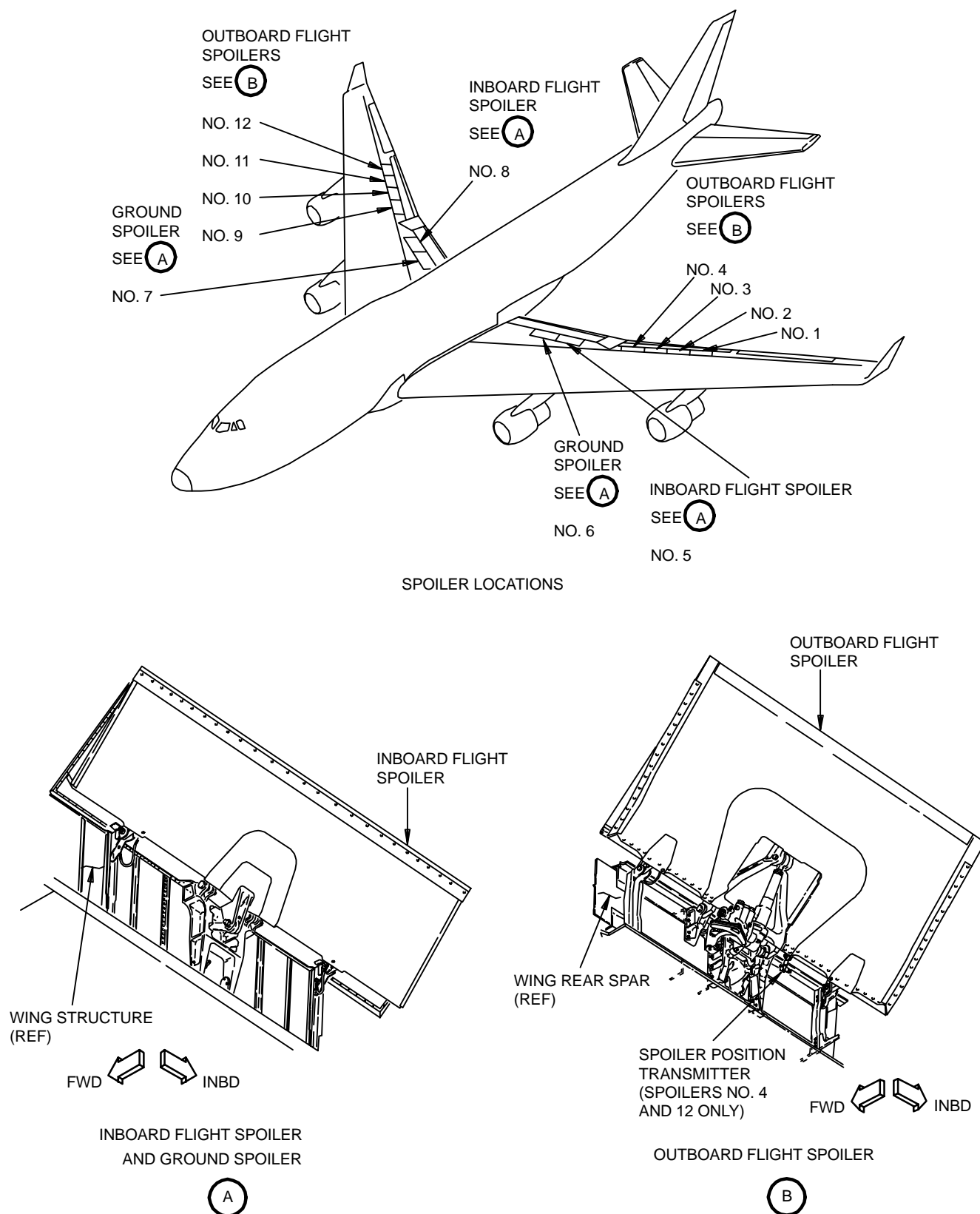
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
VALVE - INBD FLT SPLR CONT PACK THERMAL RELIEF NO. 5	2	1	572FB, INBD FLT SPLR CONT PACK	27-61-04
NO. 8	2	1	672FB, INBD FLT SPLR CONT PACK	27-61-04
VALVE GROUND SPOILER CONTROL VALVE GROUND SPLR CONT PACK THERMAL RELIEF NO. 6	4	1	R WING GEAR WHEEL WELL	27-62-04
NO. 7	2	1	572CB, GROUND SPLR CONT PACK	27-62-05
VALVE - OUTBD FLT SPLR CONT PACK THERMAL RELIEF NO. 1	2	1	672CB, GROUND SPLR CONT PACK	27-62-05
NO. 2	3	1	581MB; RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	
NO. 3	3	1	581JB; RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	
NO. 4	3	1	581GB; RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	
NO. 9	3	1	RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	
NO. 10	3	1	RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	
NO. 11	3	1	681GB; RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	
NO. 12	3	1	681JB; RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	
	3	1	681MB; RAISE SPLR, EXTEND FLAPS, OUTBD FLT SPLR CONT PACK	

Spoiler and Drag Devices - Component Index
Figure 101 (Sheet 4)

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Figure 176 27-60 Spoiler and Drag Devices Comp. Index Fig. 101 (Sheet 4)



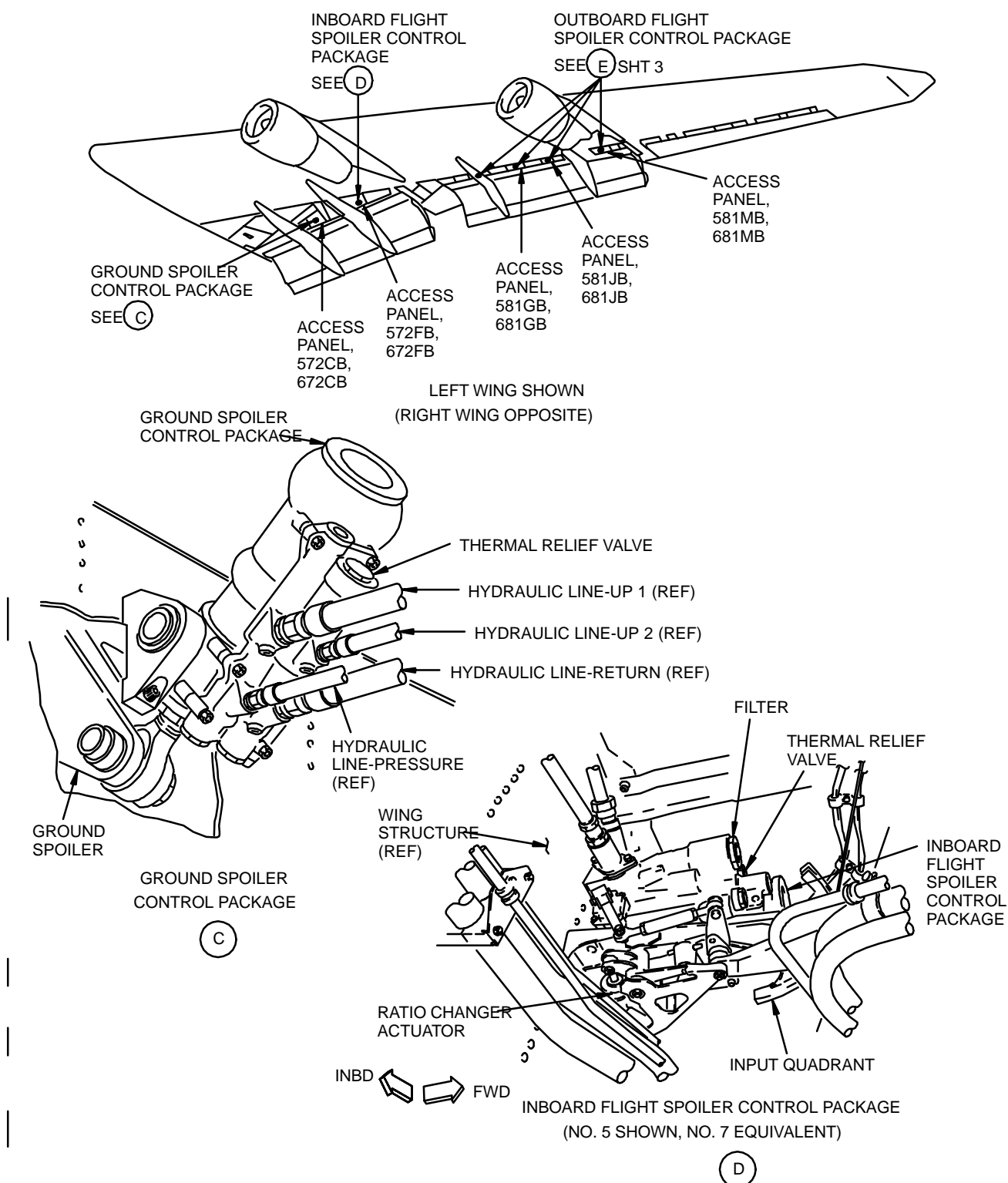


Spoiler And Drag Devices - Component Location
Figure 102 (Sheet 1)

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Figure 177 27-60 Spoiler and Drag Devices Comp. Location Fig. 102 (Sheet 1)



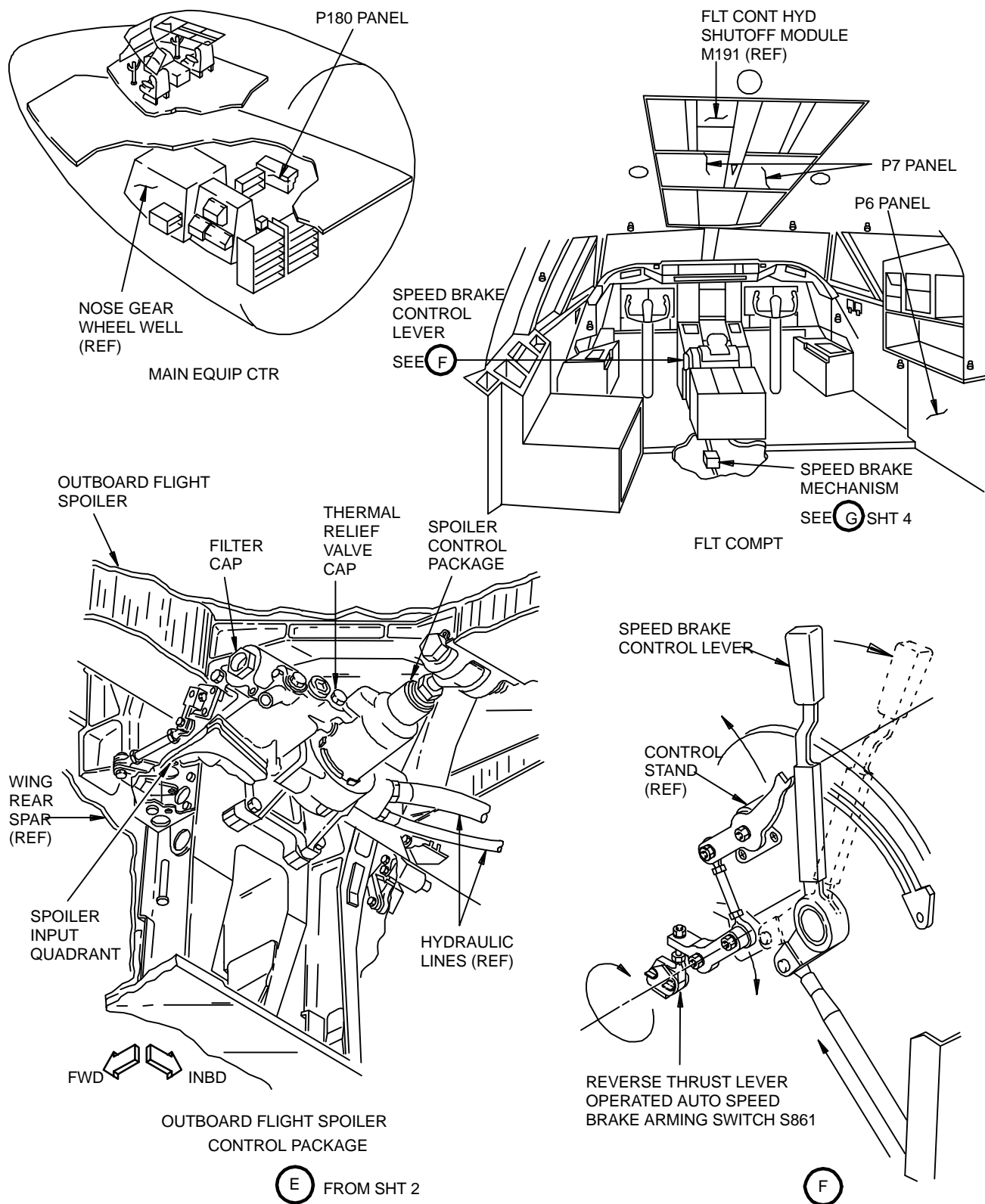


Spoiler And Drag Devices - Component Location
Figure 102 (Sheet 2)

Figure 178 27-60 Spoiler and Drag Devices Comp. Location Fig. 102 (Sheet 2)

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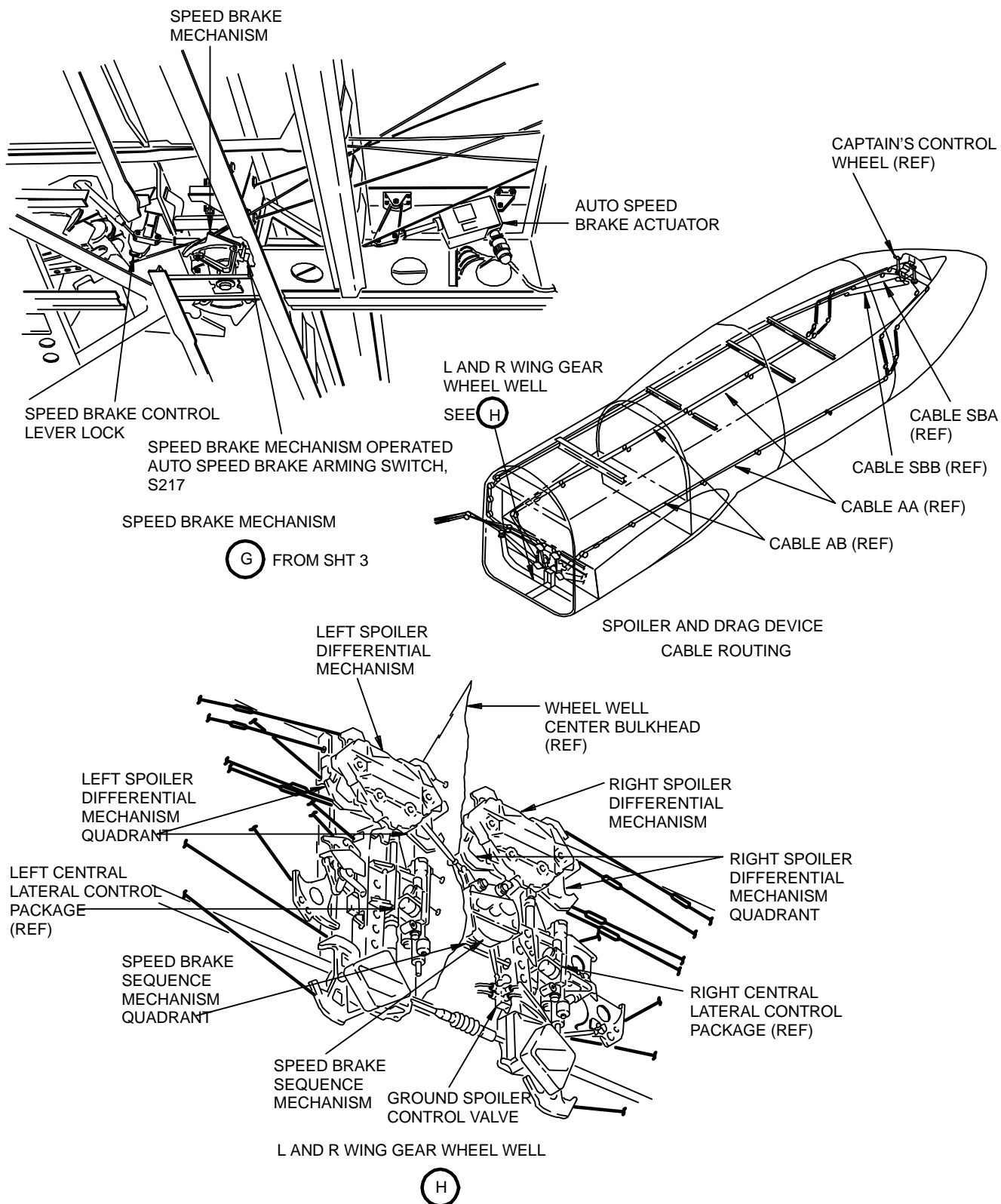


Spoiler And Drag Devices - Component Location
Figure 102 (Sheet 3)

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Figure 179 27-60 Spoiler and Drag Devices Comp. Location Fig. 102 (Sheet 3)





Spoiler And Drag Devices - Component Locations
Figure 102 (Sheet 4)

Figure 180 27-60 Spoiler and Drag Devices Comp. Locations Fig. 102 (Sheet 4)

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27-80 LIFT AUGMENTING

COMPONENT INDEX AND LOCATION



LIFT AUGMENTING

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ACTUATOR - LE V/C FLAP INBD DRIVE ROTARY	3	22	WING LE	27-81-07
ACTUATOR - LE V/C FLAP OUTBD DRIVE ROTARY	3	22	WING LE	27-81-07
ACTUATOR - LE KRUEGER FLAP INBD DRIVE ROTARY	3	6	WING LE	27-81-06
ACTUATOR - LE KRUEGER FLAP OUTBD DRIVE ROTARY	3	6	WING LE	27-81-06
ASSEMBLY - SERVOMOTOR AND SWITCH, Y11M001		8	WING LE	
CIRCUIT BREAKERS -			117AL, MAIN EQUIP CTR, P414,P415	
LE FLAP ELEC DRIVE 1, C902			414A5	*
LE FLAP ELEC DRIVE 2, C900			415M35	*
LE FLAP ELEC DRIVE 3, C903			415B32	*
LE FLAP ELEC DRIVE 4, C899			414A2	*
CIRCUIT BREAKERS -			FLT COMPT, P6,P7	
ENG 1 T/R CONT, C1703			6F13	*
ENG 2 T/R CONT, C1704			6E13	*
ENG 3 T/R CONT, C1442			6D13	*
ENG 4 T/R CONT, C1441			6C13	*
FLT CONT ELEC 1L AC, C8782			7C12	*
FLT CONT ELEC 1L DC, C8783			7C13	*
FLT CONT ELEC 1R AC, C8784			7C14	*
FLT CONT ELEC 1R DC, C8785			7C15	*
FLT CONT ELEC 2L AC, C10263			7C10	*
FLT CONT ELEC 2L DC, C10264			7C11	*
FLT CONT ELEC 2R AC, C10265			7C16	*
FLT CONT ELEC 2R DC, C10266			7C17	*
LE FLAP ELEC CONT GRP B DRIVE 1, C595			6L21	*
LE FLAP ELEC CONT GRP A DRIVE 2, C640			6L22	*
LE FLAP ELEC CONT GRP A DRIVE 3, C10482			6L23	*
LE FLAP ELEC CONT GRP A DRIVE 4, C10843			6L24	*
PRI LE FLAP CONT GRP A AC, C26			6E3	*
PRI LE FLAP CONT GRP A DC, C10146			6E4	*
PRI LE FLAP CONT GRP B AC, C25			6E5	*
PRI LE FLAP CONT GRP B DC, C10147			6E6	*
COMPUTER - (REF 45-45-00, FIG. 101)				
LEFT CENTRAL MAINTENANCE, M7373				
RIGHT CENTRAL MAINTENANCE, M7374				
FLAP - INBOARD LE				
NO. 11 THRU 13	3	3	LEFT WING LE	27-81-01
NO. 14 THRU 16	3	3	RIGHT WING LE	27-81-01
FLAP - MID LE				
NO. 6 THRU 10	3	5	LEFT WING LE	27-81-02
NO. 17 THRU 21	3	5	RIGHT WING LE	27-81-02
FLAP - OUTBOARD LE				
NO. 1E THRU 5	3	6	LEFT WING LE	27-81-02
NO. 22 THRU 26E	3	6	RIGHT WING LE	27-81-02
GEARBOX - OFFSET	3	2	513,613, INBD LE FLAPS	27-81-16
LEVER - (REF 27-50-00, FIG. 101)				
FLAP CONTROL				
LEVER - (REF 76-11-00, FIG. 101)				
REVERSE THRUST				
LINKAGE - LE FLAP ACTUATING				
NO. 1E THRU 5	3	6	LEFT WING	27-81-08
NO. 6 THRU 10	3	5	LEFT WING	27-81-08
NO. 17 THRU 21	3	5	RIGHT WING	27-81-08
NO. 22 THRU 26E	3	6	RIGHT WING	27-81-08
MOTOR - ALTERNATE ELECTRIC, Y11M002	4	8	LE WING	27-81-03

* SEE THE WDM EQUIPMENT LIST

Lift Augmenting - Component Index
Figure 101 (Sheet 1)

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Figure 181 27-80 Lift Augmenting Comp. Index Fig. 101 (Sheet 1)



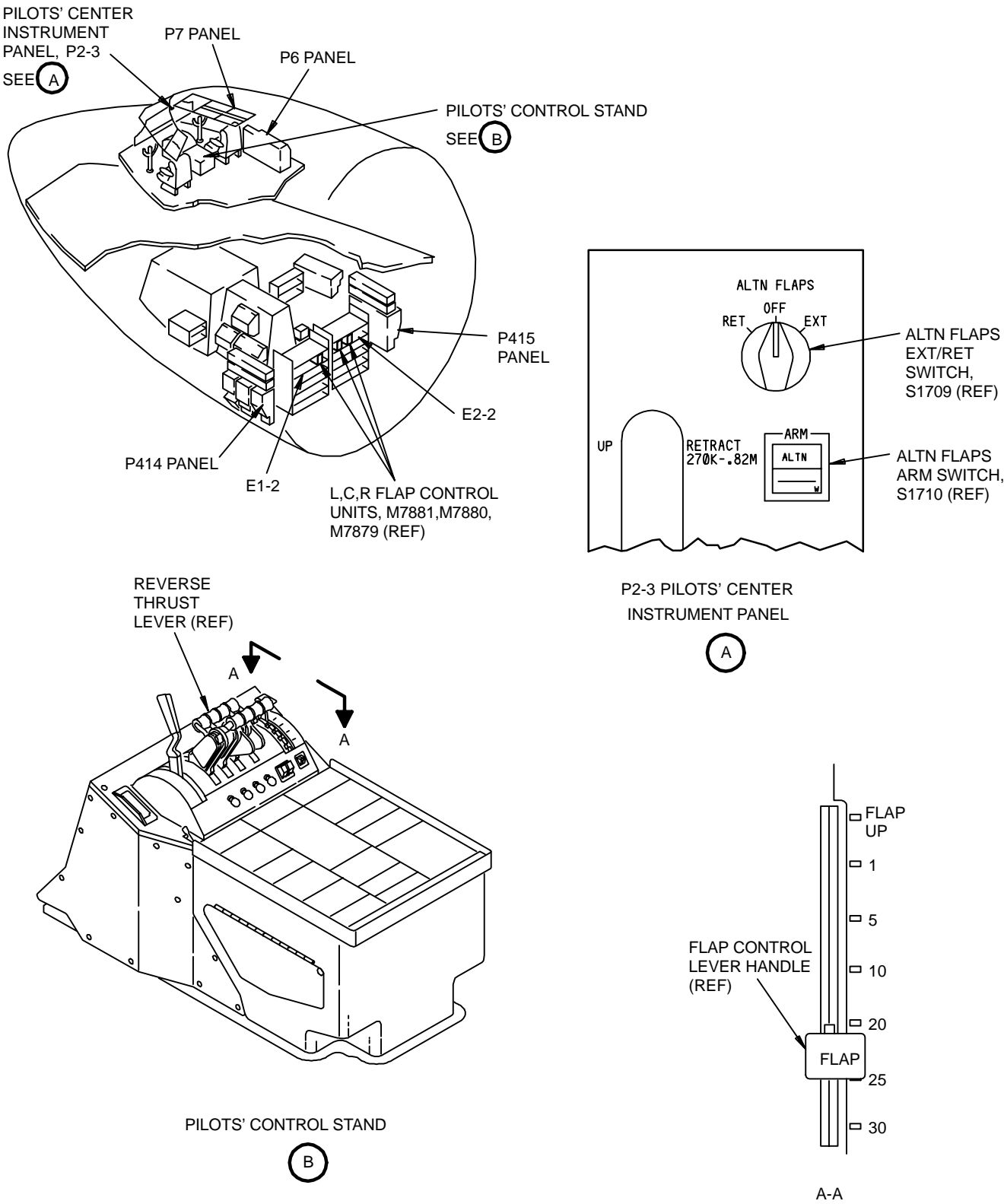
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
RELAY - (REF 31-01-09, FIG. 101) GROUP A ALT EXTEND, R7653 GROUP A ALT RETRACT, R7652 GROUP B ALT EXTEND, R7651 GROUP B ALT RETRACT, R7650 LE EXT GROUP A NO. 1, R640 LE EXT GROUP A NO. 2, R8117 LE RET GROUP A NO. 2, R8118 LE EXT GROUP B NO. 1, R639 LE FLAP DRIVE EXTEND, R361,R365,R367,R369, R371,R373,R375,R379 LE FLAP DRIVE RETRACT, R362,R366,R368,R370, R372,R374,R376,R380 LE RET GROUP A NO. 1, R641 LE RET GROUP B NO. 1, R638 PNEU GROUP A DISABLE, R8116 PNEU GROUP B DISABLE, R8115 RELAY - (REF 31-01-36, FIG. 101) ALTERNATE FLAP NO. 3, R8075 LE FLAP PROTECT GROUP B, R7772 THRUST REVERSER NO. 1, R7722 THRUST REVERSER NO. 2, R7723 RELAY - (REF 31-01-39, FIG. 101) ALTERNATE FLAP NO. 4, R8074 LE FLAP PROTECT GROUP A, R7773 THRUST REVERSER NO. 3, R7724 THRUST RVSR NO. 4, R7725 SHAFT - LE FLAP DRIVE SOLENOID - RECTIFIER AND PRIMARY DRIVE, Y11R001 SWITCH - ALTN DRIVE AND INDICATION LIMIT, Y11S002 OVERPRESSURE, Y11S001 SWITCH - (REF 27-50-00, FIG. 101) ALTN FLAPS ARM S1710 ALTN FLAPS EXT/RET, S1709 UNIT - (REF 34-61-00, FIG. 101) EFIS/EICAS INTERFACE C, M7352 EFIS/EICAS INTERFACE L, M7353 EFIS/EICAS INTERFACE R, M7351 UNIT - ELECTROPNEUMATIC DRIVE 1-LEFT, M876 1-RIGHT, M885 2-LEFT, M878 2-RIGHT, M883 3-LEFT, M879 3-RIGHT, M882 4-LEFT, M880 4-RIGHT, M881 UNIT - (REF 27-50-00, FIG. 101) FLAP CONTROL C, M7880 FLAP CONTROL L, M7881 FLAP CONTROL R, M7879 UNIT - (REF 32-09-00, FIG. 101) PROXIMITY SWITCH ELECTRONICS VALVE - ALTERNATE SOLENOID, Y11LM01				
	2	78	WING LE	27-81-05
	4	8	WING LE	27-81-03
	4	8	WING LE	27-88-01
	4	8	WING LE	27-81-03
	4	1	535, V/C FLAP NO. 2	27-81-03
	4	1	635, V/C FLAP NO. 19	27-81-03
	4	1	525, V/C FLAP NO. 7	27-81-03
	4	1	625, V/C FLAP NO. 14	27-81-03
	4	1	523, V/C FLAP NO. 9	27-81-03
	4	1	623, V/C FLAP NO. 12	27-81-03
	4	1	512, KRUEGER FLAP NO. 3	27-81-03
	4	1	612, KREUGER FLAP NO. 4	27-81-03
	4	8	WING LE	27-81-03

* SEE WM EQUIPMENT LIST

Lift Augmenting - Component Index
Figure 101 (Sheet 2)**Figure 182 27-80 Lift Augmenting Comp. Index Fig. 101 (Sheet 2)**

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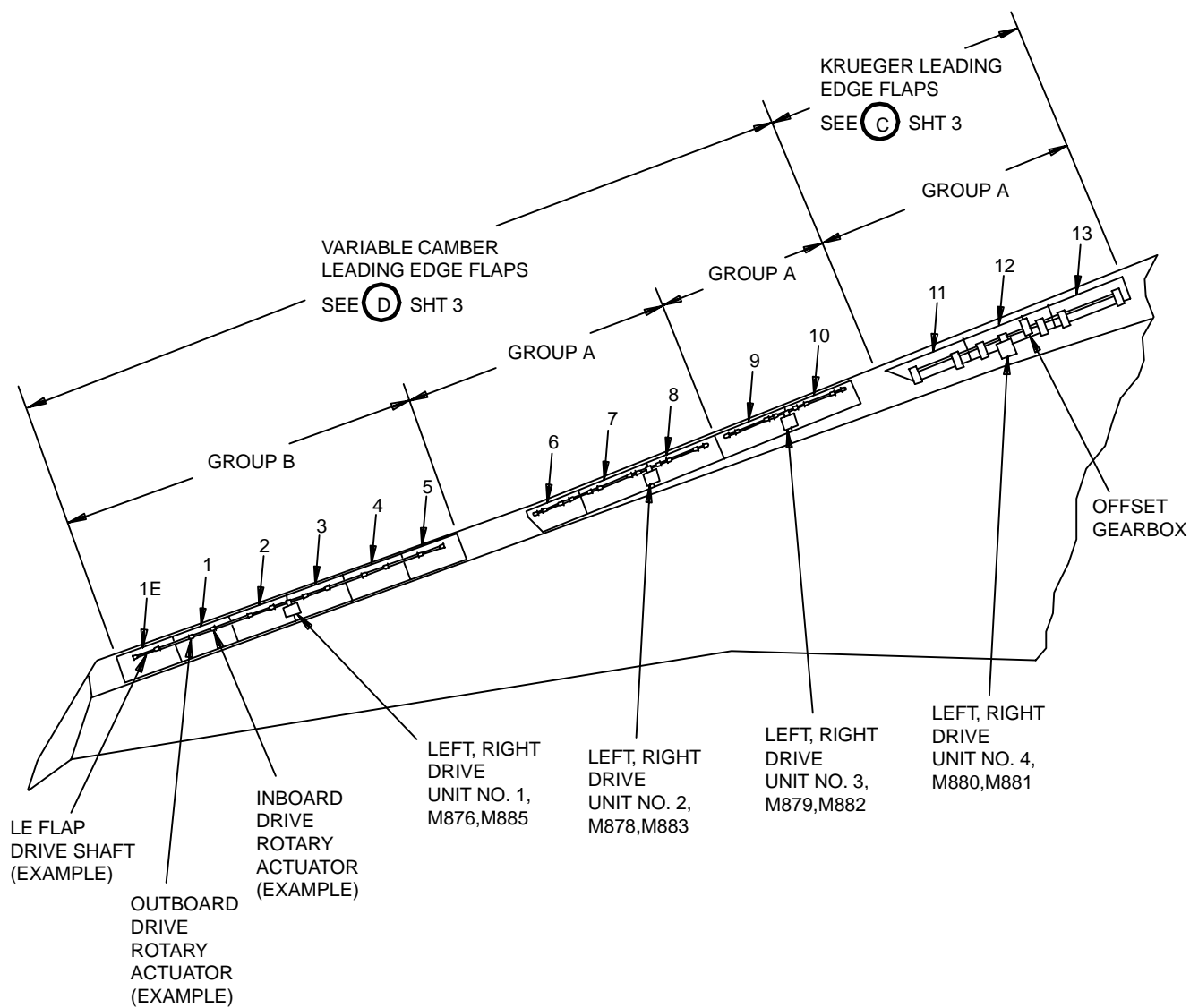




Lift Augmenting - Component Location
Figure 102 (Sheet 1)

Figure 183 27-80 Lift Augmenting Comp. Location Fig. 102 (Sheet 1)

580652

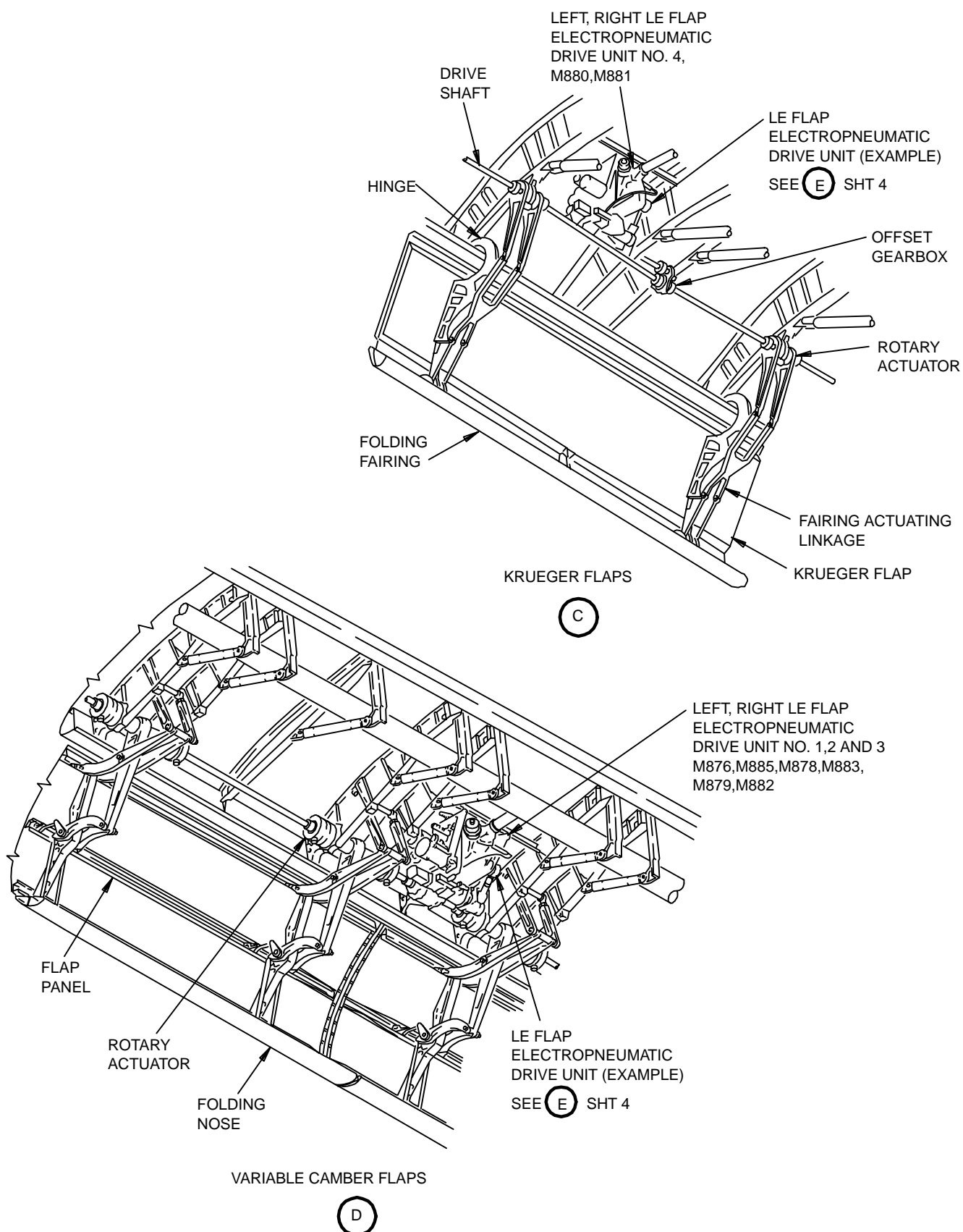


Lift Augmenting - Component Location
Figure 102 (Sheet 2)

Figure 184 27-80 Lift Augmenting Comp. Location Fig. 102 (Sheet 2)

580869





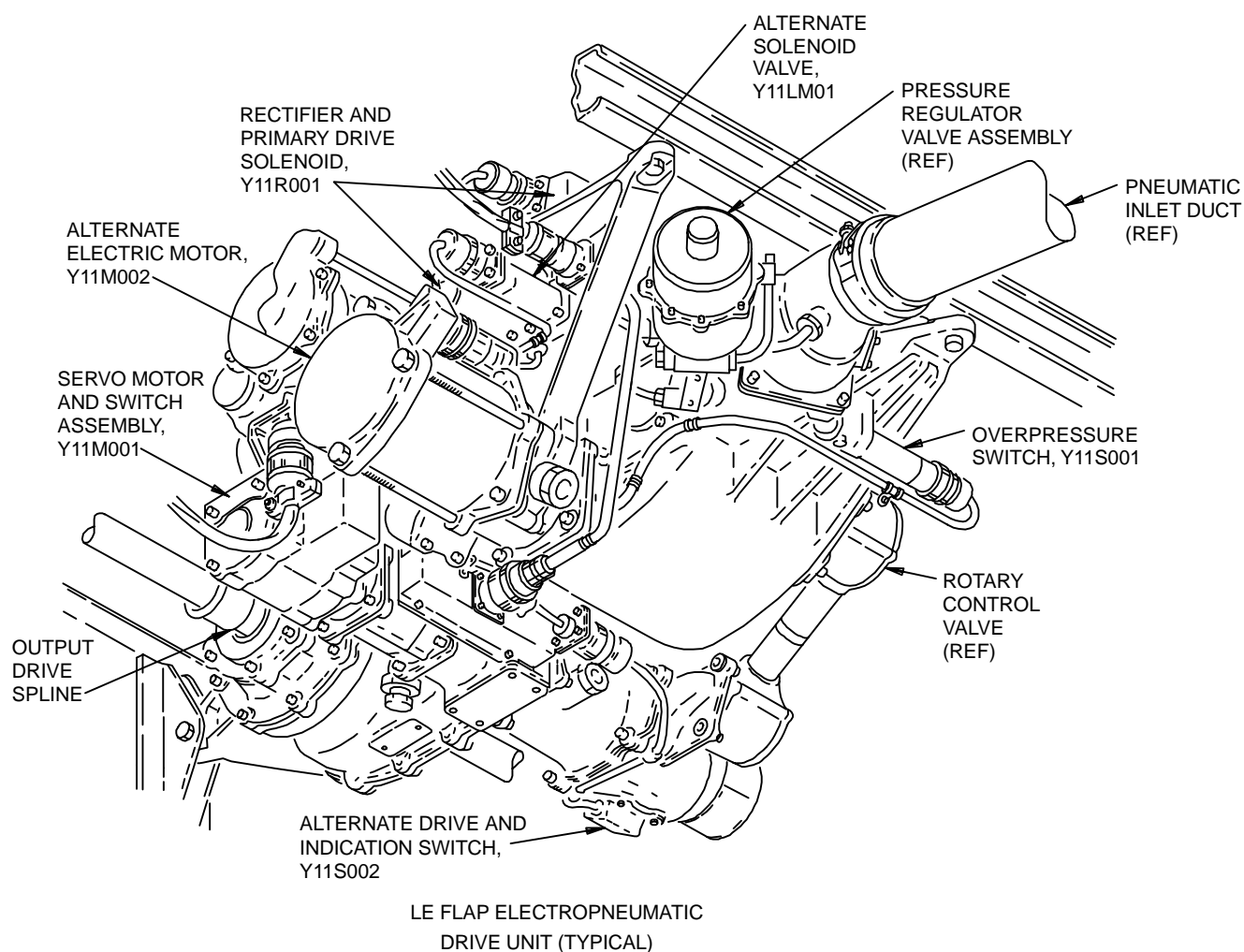
Lift Augmenting - Component Location (Details from Sht 2)

Figure 102 (Sheet 3)

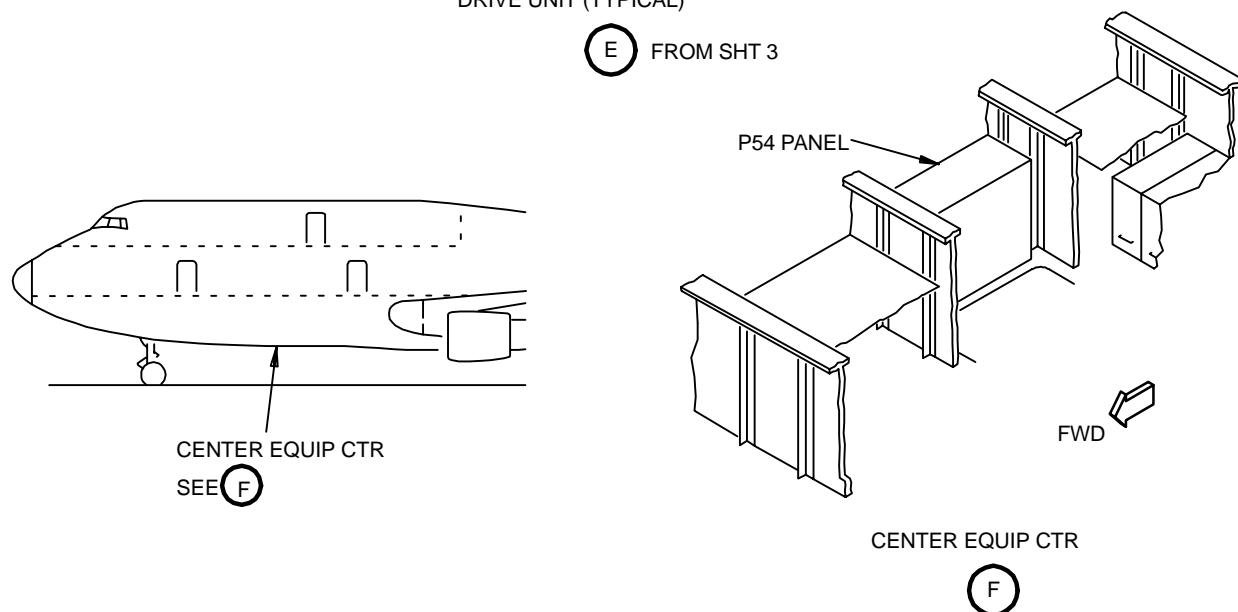
Figure 185 27-80 Lift Augmenting Comp. Location Fig. 102 (Sheet 3)

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(E) FROM SHT 3



Lift Augmenting - Component Location
Figure 102 (Sheet 4)

Figure 186 27-80 Lift Augmenting Comp. Location Fig. 102 (Sheet 4)

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