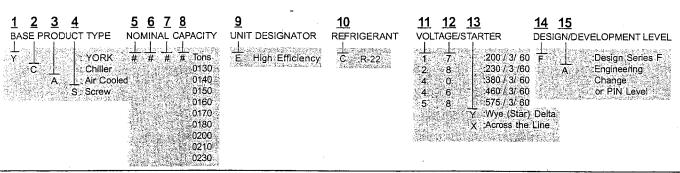
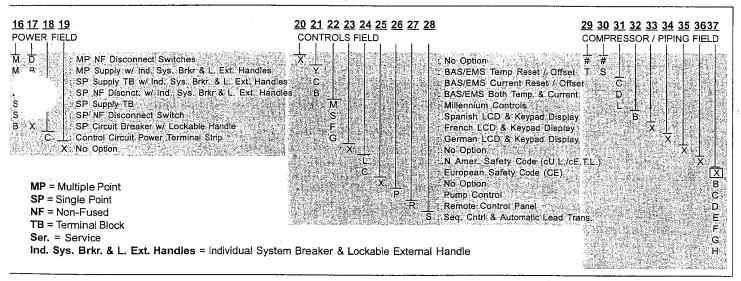
#### UNIT NOMENCLATURE AND MODEL IDENTIFICATION

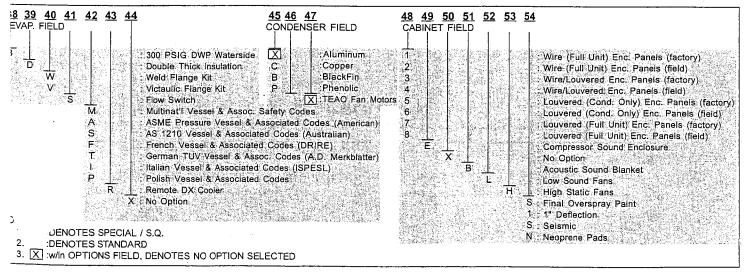
#### IC PART NUMBER



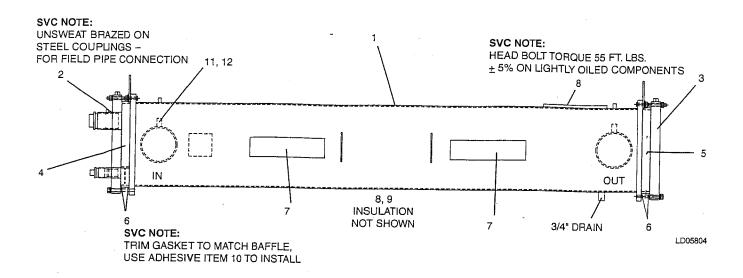


#### 'ART NUMBER - LETTER CODES





## **EVAPORATOR COMPONENTS**



#### - EVAPORATOR COMPONENTS

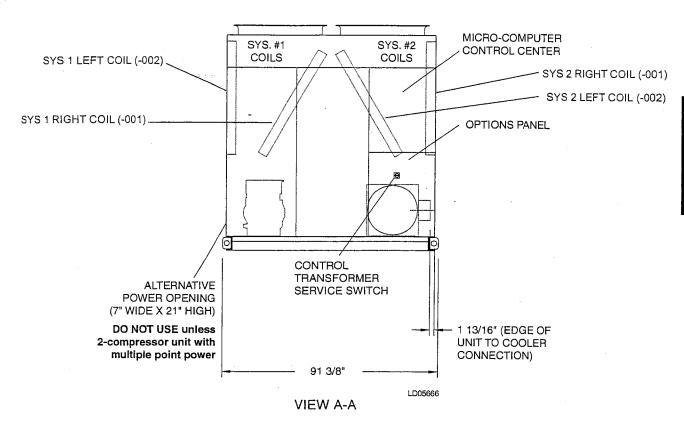
- 150# COOLER FLOW SWITCH 024-26116-000 (PIN 38 in Model No. is X; see page 4.)
- 300# COOLER FLOW SWITCH 024-12144-000 (PIN 38 in Model No. is 3; see page 4.)

#### **TABLE 1 - EVAPORATOR COMPONENTS**

ITEM NUMBER	QTY. PER UNIT	DESCRIPTION	DWP	UNIT MODEL YCAS0130 THRU YCAS0140	UNIT MODEL YCAS0150 THRU YCAS0230
1	1	Cooler, less Heater &	150	375-30200-000	375-30201-000
<u> </u>		Insulation (Items 2 thru 6)	300	375-30085-000	375-30082-000
2	1	Head, Connection End	ALL	375-30231-000	375-30219-000
3	1	Head, Back End	ALL	075-30234-000	375-30221-000
4	11	Baffle, Pass, Conn. End	ALL	375-30235-000	375-30215-000
5	1	Baffle, Pass, Back End	ALL	075-30238-000	075-20218-000
6	4	Gasket, Pass Baffle and Head	ALL	075-30239-000	075-30223-000
7	2	Heater, Cooler 280 Watt	ALL	025-22691-000	025-22691-000
8	3.5	Insulation (3/4" x 49" x 65")	ALL	010-04198-000	010-04198-000
9	2.5	Insulation (1-1/2" x 49" x 65")	ALL	010-04467-000	010-04467-000
10	1	3M ScotchGrip 1357 (Item 6 Adhesive)	ALL	Granger Stock No. 5E127 (5 oz. tube)	
11	2	Pipe Coupling 1/2"	ALL	023-01564-000	023-01564-000
12	2	Well, Thermo CU 1/2" x 9-1/2"	ALL	026-33627-000	026-33627-000



#### CONDENSOR COIL COMPONENTS



#### END VIEW OF CHILLER FROM POWER PANEL END

FIG. 2 - CONDENSER COIL LAYOUT

TABLE 2 - CONDENSER COILS - YCAS STYLE F CHILLERS

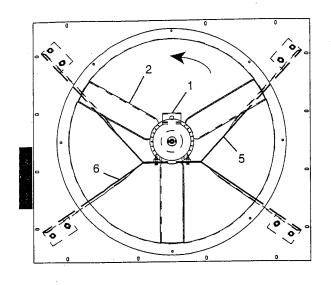
Coils for each circuit are denoted left and right as viewed from power panel end of chiller.

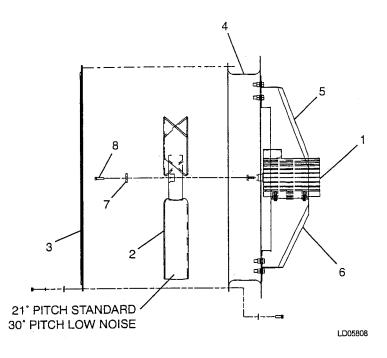
		MODELS YCAS0130 - 0180 16' COIL		MODELS YCAS0200 - 0230 20' COIL
ITEM NUMBER	DESCRIPTION	YORK PART NO.	QTY.	YORK PART NO.
ALUMINUM FIN COIL				
1	Cond. Coil Assembly, Right	375-29501-001	2	375-25578-001
2	Cond. Coil Assembly, Left	375-29501-002	2	375-25578-002
BLACK FIN COIL				
1	Cond. Coil Assembly, Right	375-23770-001	2	375-23771-001
2	Cond. Coil Assembly, Left	375-23770-002	2	375-23771-002
PHENOLIC COATED ALUM	IINUM FIN			
1	Cond. Coil Assembly, Right	375-29010-001	2	375-29009-001
2	Cond. Coil Assembly, Left	375-29010-002	2	375-29009-002
COPPER FIN				
1	Cond. Coil Assembly, Right	375-23776-001	2	375-23777-001
2	Cond. Coil Assembly, Left	375-23776-002	2	375-23777-002

NOTES: Coil Assemblies are complete with headers.

Tube-In-Tube Repairs - contact Factory Service.

#### **FAN COMPONENTS**





#### 3 - FAN COMPONENTS

Service Note: PIN Location 52 in Model Number will be "X" for Standard Fan or "L" for Low Noise Fan. See page 3.

**TABLE 3 - FAN COMPONENTS** 

			FAN	TYPE	
ITEM NUMBER	DESCRIPTION	VOLTAGE CODE	STANDARD 7/8" Ø SHAFT, 1160 RPM	LOW NOISE (OPTIONAL) 7/8" Ø SHAFT, 850 RPM	
		-17	024-30900-002	024-30933-002	
	Motor	-28	024-30900-002	024-30933-002	
1 <sup>s</sup>	2 HP	-40	024-30900-004	024-30933-004	
	(Wt. = 50 LBS.)	-46	024-30900-001	024-30933-001	
	·	-58	024-30900-003	024-30933-003	
2 <sup>s</sup>	Blade	- All	026-35604-000 21°	026-36532-000 30°	
3	Guard	All	026-35605-000		
4	Orifice	All	026-35141-000		
5	Support, Motor, Upper	Ali	075-25584-000		
6	Support, Motor, Lower	All	075-25583-000		
7	Spacer, Fan Motor	All	075-29	007-000	
8	Screw, Cap	All	021-184	494-000	

Jommended Spare Parts

Service Note: Fan Hub to Shaft Joint should be sealed with

protective coating (factory uses RUST VETO 344, a

solvent-type, rust-preventative coating).





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## REFRIGERANT PIPING COMPONENTS

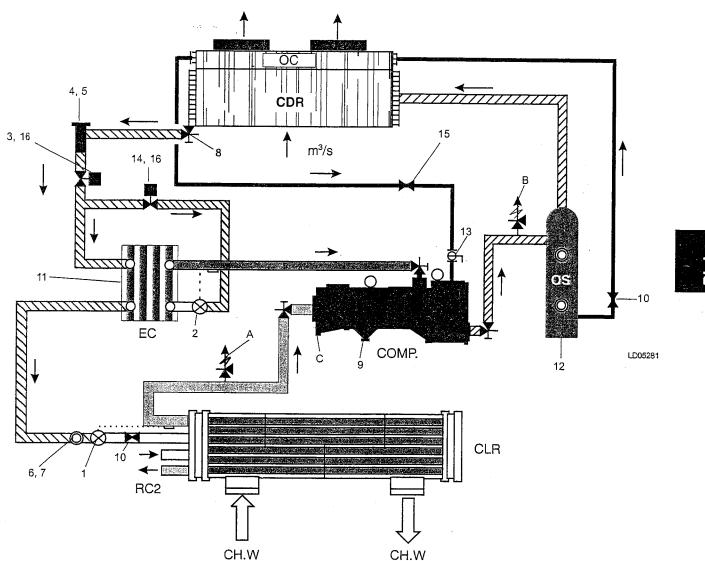
TABLE 4 - REFRIGERANT PIPING COMPONENTS (SEE FIG. 4, PAGE 11)
AND OIL PIPING COMPONENTS (SEE FIG. 5, PAGE 12)

ITEM	QTY PER	DESCRIPTION	SYSTEM	YCAS0130	YCAS0140	YCAS0150	YCAS0160	YCAS0170	YCAS0180	YCAS0200	YCAS0210	YCAS0230
ş  ş-	2	Valve. Thermal Exp Cooler	Both	025-35757	025-35757	025-33709	025-33709	025-33709	025-33709	025-32906	025-32906	025-32906
2		Valve. Thermal Exp Econom.	N/A	N/A	025-33280	025-33280	N/A	025-332800	025-33280	N/A	025-33280	025-33280
3	2	Valve, Solenoid, Liq. Line	Both	025-33704	025-33704	025-33704	025-33704	025-33704	025-33704	025-33281	025-33281	025-33281
4	2	Dehydrator, Body (Replaceable Core)	Both	026-21055	026-21055	026-21055	026-21055	026-21055	026-21055	026-16960	026-16960	056-16960
25	2	Core, Dehydrator	Both	026-18328	026-18328	026-18328	026-18328	026-18328	026-18328	026-18328	026-18328	026-18328
9	2	Moisture Indicator, Body	Both	026-32398	026-32398	026-32398	026-32398	026-32398	026-32398	026-32398	026-32398	026-32398
7	2	Moisture Indicator, Sight Glass Cap Assembly	Both	026-32800	026-32800	026-32800	026-32800	026-32800	026-32800	026-32800	026-32800	026-32800
∞	2	Valve, Liquid Stop	Both	022-09778	022-09778	022-09778	022-09778	022-09778	022-09778	022-09779	022-09779	022-09779
6	2	Compressor	Both		-			See page 17.				
9	4	Valve, Charging 3/8"	Both				All Mc	All Models - 022-09754-000	4-000			
=	-	Economizer, Heat X					N/A	026-36110	026-36110	N/A	026-36110	026-36110
12	2 per	Oil Separator	Right Side Left Side	-			All Mode All Mode	All Models - Right Side: 075-23738-002 All Models - Left Side: 075-23738-001	75-23738-002 5-23738-001			
5	2	Valve, Ball, Oil Line	Both	022-09172	022-09172	022-09172	022-09172	022-09172	022-09172	022-09172	022-09172	022-09172
14	2	Valve, Solenoid, Econo	Both	N/A	025-33282		N/A	025-33282	025-33282	N/A	025-33282	025-33282
5	2	Sensor, Oil Temp.	Ιδ				AHM	All Models: 025-30440-000	000-0			
° 9	-	Coil, Solenoid Fits Items 3 & 14	Both			Select V	'endor To Suit: S <sub>l</sub>	Select Vendor To Suit: Sporlan 025-35151-000; Alco 025-35152-000; Danfoss 025-35169-000	51-000; Alco – 0	25-35152-000; D:	anfoss - 025-351	000-69

\* Each refrigerant circuit has a right and left separator as viewed from the control panel end of the chiller. Be sure to order the correct number when replacing separators.

Recommended Spare Part

# REFRIGERANT PIPING COMPONENTS (CONT'D) CHILLER MODEL YCAS – STYLE F



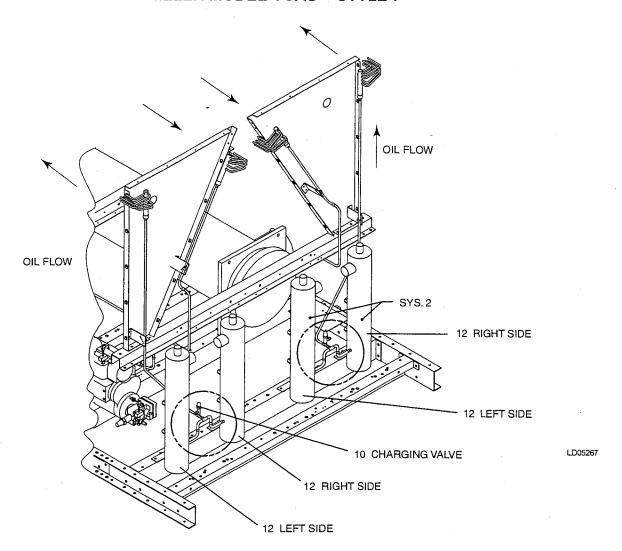
A – LOW SIDE RELIEF

\* B – HIGH SIDE RELIEF C – HP CUTOUT SW

SEE TABLE 5, PAGE 14 FOR SAFETY COMPONENTS USED.

<sup>\*</sup> Available on CE (European Manufactured) Units, or Units With Optional Chicago Relief Valves

#### OIL PIPING COMPONENTS CHILLER MODEL YCAS - STYLE F



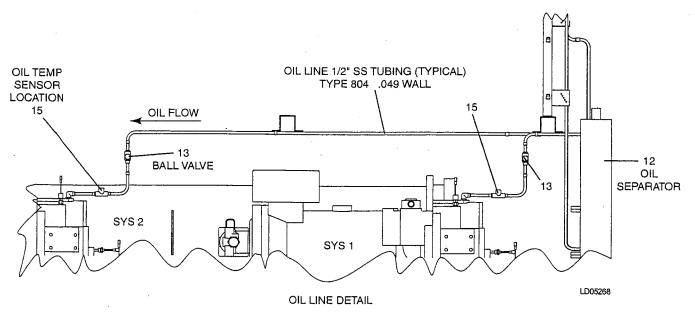
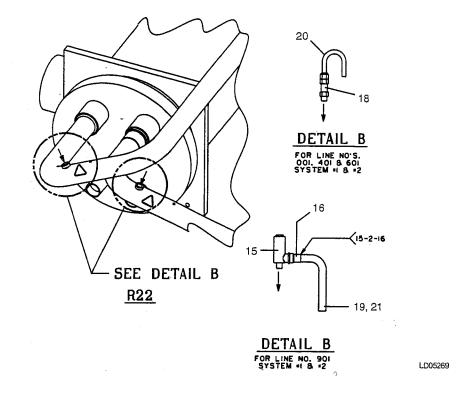
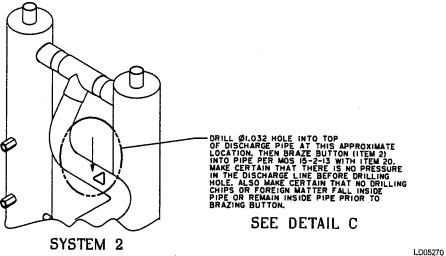
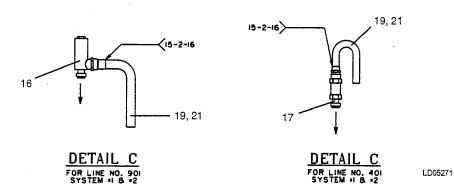


FIG. 5 – OIL PIPING COMPONENTS (REF. TABLE 4, PAGE 10)

#### RELIEF VALVES AND HP CUTOUT SWITCH







## RELIEF VALVES AND HP CUTOUT SWITCH (CONT'D)

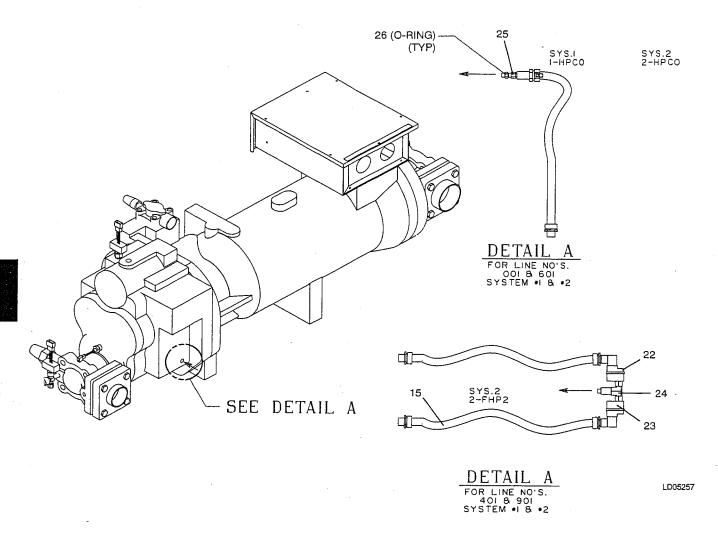
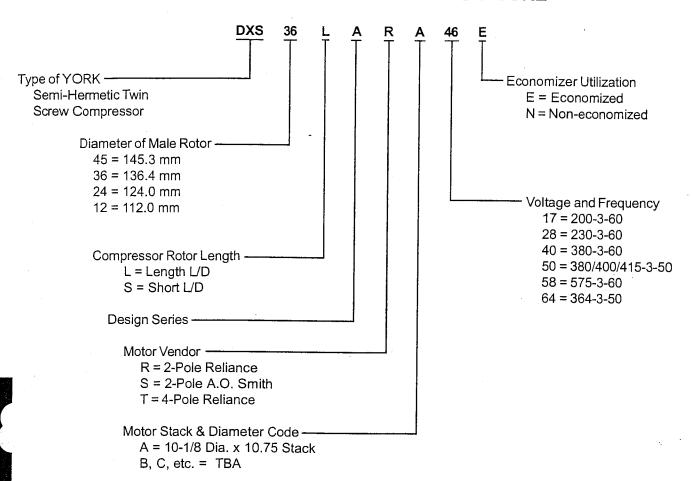


FIG. 6 (CONT'D) - RELIEF VALVES AND HP CUTOUT SWITCH (REF. TABLE 5, PAGE 14)

TABLE 5 - RELIEF VALVES AND HP CUTOUT SWITCH (SEE FIG. 6, PAGES 13 AND 14)

ITEM	QUANTITY PER CHILLER	DESCRIPTION	SYSTEM	ALL MODELS
15	2	Low Side Relief, Angle V 21 Bar	Both	022-09793-000
16	2	High Side Relief, Angle V 31 Bar	Both	022-09794-000
17	2	High Side Relief, Str Thru 405 PSiG	Both	022-08863-000
18	2	Low Side Relief, Str Thru 300 PSIG	Both	022-03056-000
19	2	Tube for 15, 16, 17	Both	075-30993-000
20	2	Tube for 18	Both	375-30919-000
21	2	Adapter for 15,16, 17	Both	023-00124-000
22	2	HP Sw, Man Reset 27.9 Bar	Both	025-34119-000
23	2	HP Sw, Man Reset 27.2 Bar	Both	025-34120-000
24	2	Tee for 22/23	Both	023-00972-000
25	2	HP Sw, NC, Auto Reset, 405 PSIG	Both	025-30480-000
26	2	O-Ring, 3-904	Both	028-13540-000

## COMPRESSOR MODEL NOMENCLATURE



CC	MPRESSOR WEIGH	TS
MM SIZE	WEIGHT (LBS)*	Kg
145	1310	594
136	1250	567
124	1175	533
112	760	345

<sup>\*</sup> LESS VALVES

 Compressor Isolator Pad Kit (Reduces sound and vibration)
 475-37815-000 one per each compressor (Became standard mid 1999)



## COMPRESSOR PART NUMBERS

UNIT	VOLTAGE CODE		SIZE	COMP	RESSOR
		SYS 1	SYS 2	SYSTEM#1	SYSTEM#2
	-17	124	124	364-49093-012	364-49093-01
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-28	124	124	364-49093-013	364-49093-013
YCAS0130	-40	124	124	364-49093-014	364-49093-014
	-46	124	124	364-49093-015	364-49093-015
	-58	124	124	364-49093-016	364-49093-016
	-17	124	124	364-49093-112	364-49093-112
	-28	124	124	364-49093-113	364-49093-113
YCAS0140	-40	124	124	364-49093-114	364-49093-114
	-46	124	124	364-49093-115	364-49093-115
	-58	124	124	364-49093-116	364-49093-116
		136	124	364-49093-012	364-49093-112
	-28	136	124	364-49093-013	364-49093-113
YCAS0150	-40	136	124	364-49093-014	364-49093-114
	-46	136	124	364-49093-015	364-49093-115
	-58	136	124	364-49093-016	364-49093-116
	-17	136	136	364-49093-012	364-49093-012
	-28	136	136	364-49093-013	364-49093-013
YCAS0160	-40	136	136	364-49093-014	364-49093-014
	-46	136	136	364-49093-015	364-49093-015
	-58	136	136	364-49093-016	364-49093-016
YCAS0170	17	136	136	364-49093-012	364-49093-112
	28	136	136	364-49093-013	364-49093-113
	40	136	136	364-49093-014	364-49093-114
	-46	136	136	364-49093-015	364-49093-115
	-58	136	136	364-49093-016	364-49093-116
		136	136	364-49093-112	364-49093-112
V0400400	-28	136	136	364-49093-113	364-49093-113
YCAS0180		136	136	364-49093-114	364-49093-114
	-46	136	136	364-49093-115	364-49093-115
	-58	136	136	364-49093-116	364-49093-116
		145	145	364-49094-012	364-49094-012
VCASOZOO	-28	145	145	364-49094-013	364-49094-013
YCAS0200	-40	145	145	364-49094-014	364-49094-014
	-46	145	145	364-49094-015	364-49094-015
	-58	145	145	364-49094-016	364-49094-016
-	17	145	145	364-49094-012	364-49094-112
VC 4 50240	-28	145	145	364-49094-013	364-49094-113
YCAS0210	-40	145	145	364-49094-014	364-49094-114
-	-46	145	145	364-49094-015	364-49094-115
	-58	145	145	364-49094-016	364-49094-116
-  -	-17	145	145	364-49094-112	364-49094-112
VCASOOO	-28	145	145	364-49094-113	364-49094-113
YCAS0230	-40	145	145	364-49094-114	364-49094-114
<u> </u>	-46	145	145	364-49094-115	364-49094-115
	-58	145	145	364-49094-116	364-49094-116

Compressor Change Out Kit – ALL Models – 464-49737-000 (Includes gaskets and o-rings)

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## **COMPRESSOR COMPONENTS**

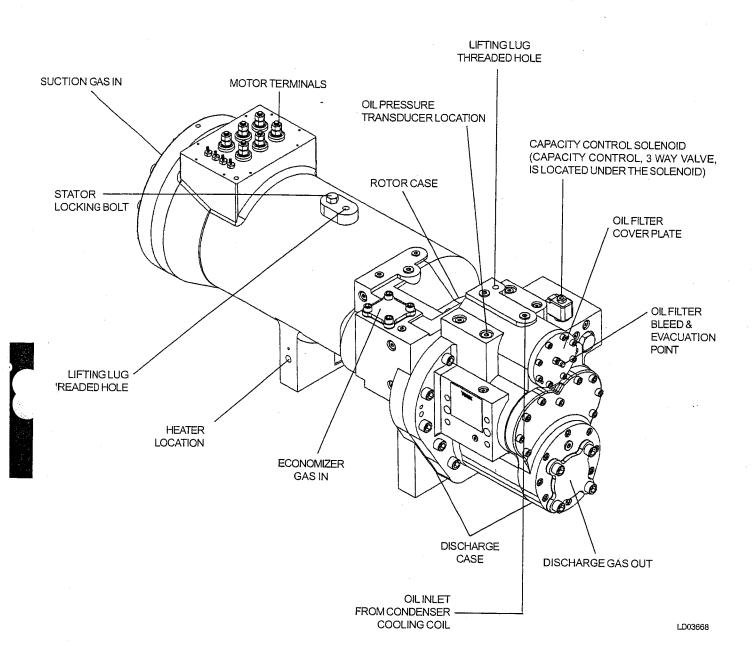


FIG. 7 - DXS COMPRESSOR OUTLINE

#### COMPRESSOR COMPONENTS / RELATED PARTS

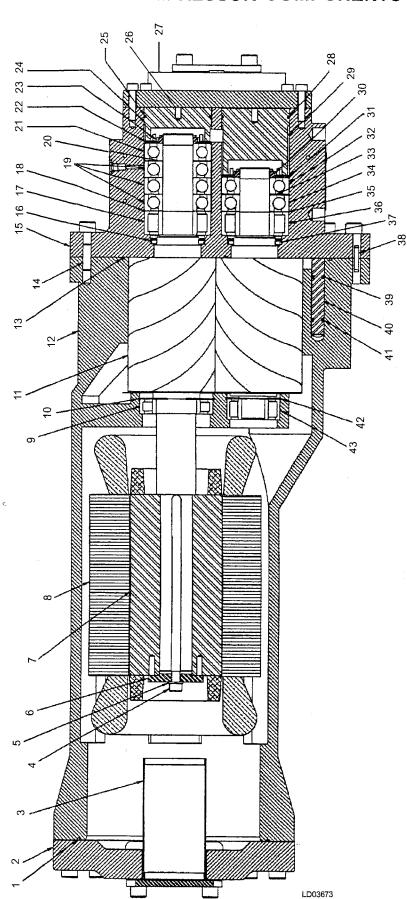


TABLE 6 – DXS COMPRESSOR COMPONENTS / RELATED PARTS (SEE FIG. 8. PAGE 19)

FIG. 8, PA	IG. 8, PAGE 19)		
NO.	PARTNAME		
1	O-RING		
2	SUCTION COVER		
3	SUCTION STRAINER		
4	ROTOR SCREW		
5	ROTOR LOCK WASHER		
6	ROTOR CLAMP WASHER		
7	ROTOR		
8	STATOR		
9	MALE INLET BEARING		
10	MALE ROTOR RETAINING RING		
11	MALE ROTOR		
12	ROTOR CASE		
13	O-RING		
14	DOWEL PIN		
15	DISCHARGE CASE		
16	LIP SEAL		
17	DISCHARGE RADIAL BEARING		
18	SPACER SHIM		
19	THRUST BEARINGS		
20	THRUST SPACE SHIM		
21	REVERSE THRUST BEARING		
22	BEARING CLAMP NUT		
23	BEARING SPACER SLEEVE		
24	BEARING PRELOAD SPRING		
25	O-RING		
26	BEARING BORE PLUG		
27	DISCHARGE COVER		
28	BEARING BORE PLUG		
29	BEARING PRELOAD SPRING		
30	BEARING SPACER SLEEVE		
31	BEARING CLAMP NUT		
32	REVERSE THRUST BEARING		
33	THRUST SPACER SHIM		
34	THRUST BEARINGS		
35	SPACER SHIM		
36 37	DISCHARGE RADIAL BEARING		
	LIP SEAL		
38	DOWEL PIN		
39	SUPPORT RING		
40	ECONOMIZER PLUG		
	SUPPORT RING		
42	FEMALE ROTOR RETAINING RING		
43	FEMALE INLET BEARING		

FIG. 8 - COMPRESSOR CROSS SECTION

## COMPRESSOR COMPONENTS / RELATED PARTS (CONT'D)

#### TABLE 7 - DXS COMPRESSOR COMPONENTS / RELATED PARTS (SEE FIG. 9, PAGES 21 AND 21A)

ITEM NO.	PART DESCRIPTION	PART NUMBER
1	SCREW, SOCKET HD. CAP - M16 x 65mm LG.	021-19108-000
2	SCREW, SOCKET HD. CAP - M16 x 65mm LG.	021-19114-000
3	WASHER, LOCK - M12	021-19106-000
4	WASHER, CLAMP	064-48993-000
5	BOLT, TERMINAL	021-19104-000
6	INSULATOR, BOTTOM	025-33200-000
7	SEAL, TERMINAL	028-13946-000
8	INSULATOR, TOP	025-33201-000
9	WASHER, TERMINAL	021-19117-000
10	NUT - HVY. HEX 7/16" - 20UNF	021-19102-000
11	WASHER, LOCK - THK. LD. 7/16"	021-19101-000
12	THERMISTOR, 7/16" - 20UNF - 2A	025-33202-000
13	PIN, STATOR LOCATING	064-49129-000
14	O-RING 3 - 908	028-13856-000
15	PLUG - HOLLOW HEX 1-7/8"	023-18926-000
16	O-RING 3-924	028-13865-000
102	SCREW, SOCKET HD. CAP - M16 x 30mm LG.	028-19118-000
103	PLATE, VALVE COVER	064-49009-000
104	GASKET 3-1/2"	028-13864-000
105	STRAINER, SUCTION	026-35600-000
106	COVER, SUCTION	064-49198-000
107	O-RING 2 - 276	028-13852-000

## **COMPRESSOR COMPONENT!**

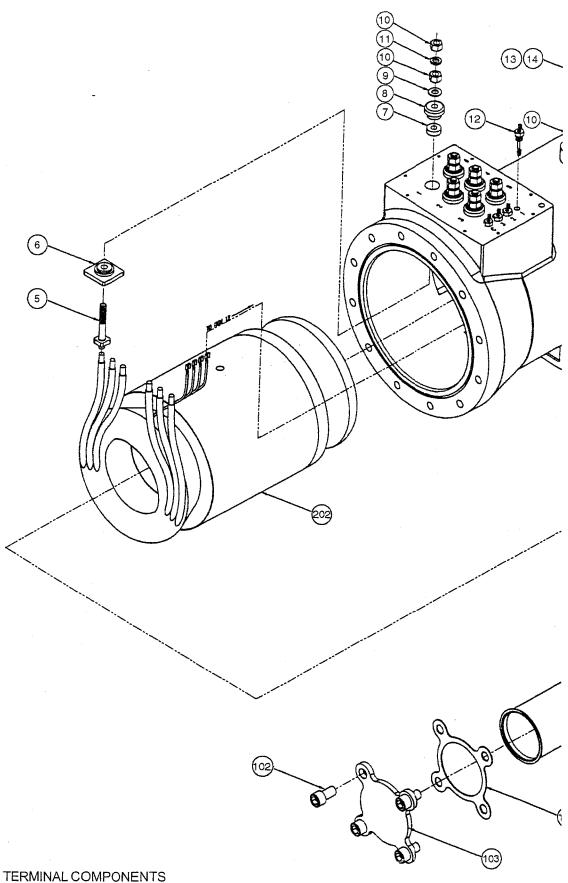
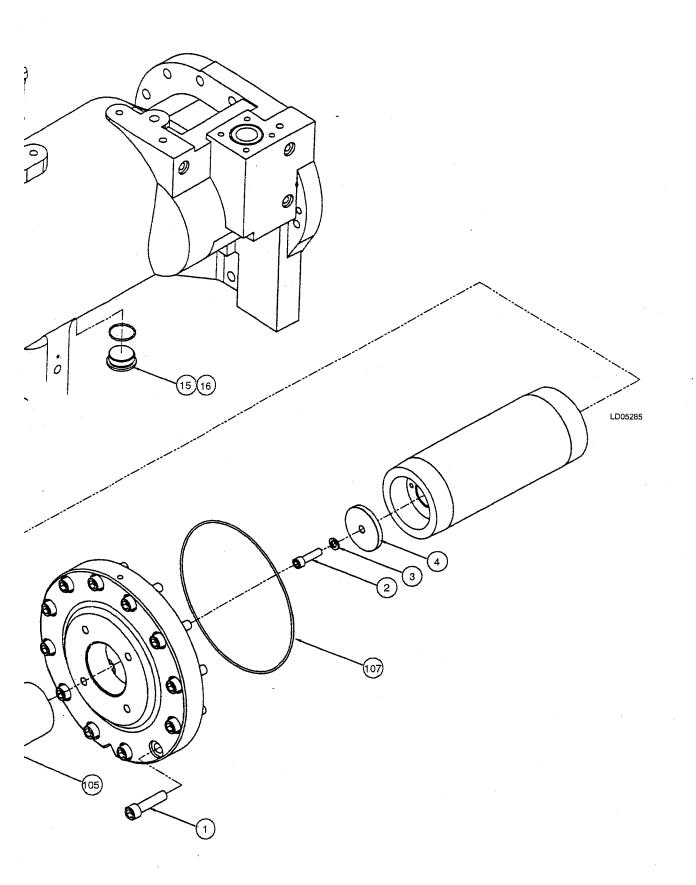


FIG. 9 - COMPRESSOR TERMINAL COMPONENTS

# PELATED PARTS (CONT'D)



# COMPRESSOR COMPONENTS / RELATED PARTS (CONT'D)

NOTE: This figure is for reference only. These parts are not field serviceable.

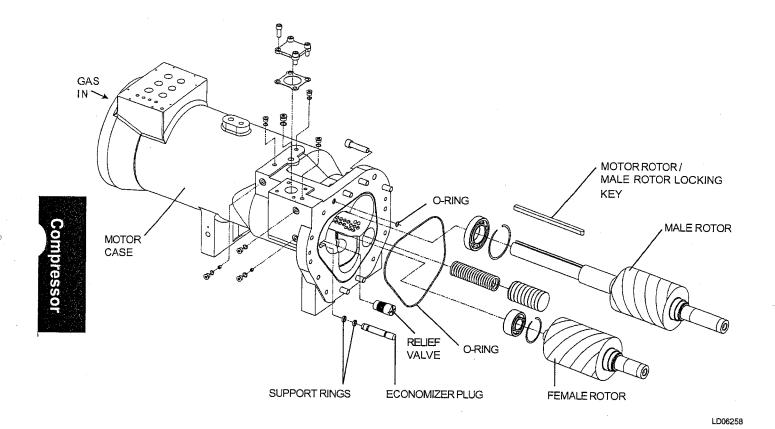
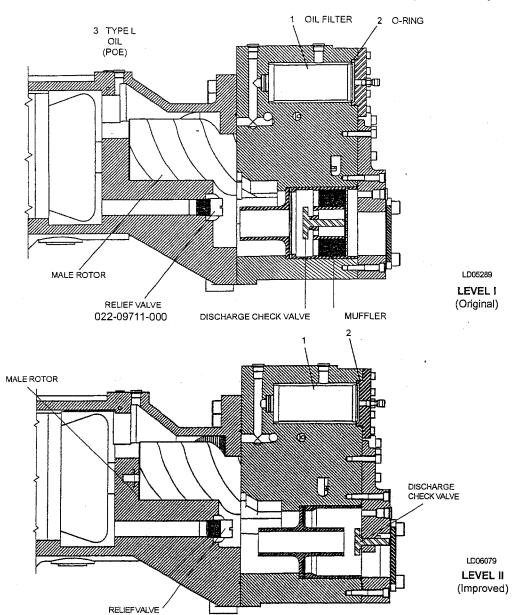


FIG. 10 - DXS COMPRESSOR PARTIAL EXPLODED VIEW

## COMPRESSOR COMPONENTS / RELATED PARTS (CONT'D)



IG. 11 - COMPRESSOR FILTER AND MUFFLER

ITEM NO.	QTY PER COMP	DESCRIPTION	MODEL YCAS0130 - YCAS0230
1 <sup>s</sup>	1	FILTER	026-35601-000
2 <sup>s</sup>	1	O-RING	028-13849-000
3s	5 GAL	OIL, 5 GAL TYPE L POE	011-00592-000

s = Recommended Spare Part

#### **MUFFLER KITS**

An improved muffler was introduced on production units **beginning** with the compressor serial numbers shown right. It may be offered as an upgrade on earlier production units.

	ᇆ	٧E	L	!! !	<i< th=""><th>15</th></i<>	15
_			_	_	_	_

COMP. MODEL	SERIAL NO. (START NEW MUFFLER)	KIT PART NUMBER
DXS24	X X 3283	364-49676-000
DXS36	X X 3357	364-49674-000
DXS45	X X 3074	364-49675-000

#### COMPRESSOR AND CONTROL COMPONENTS

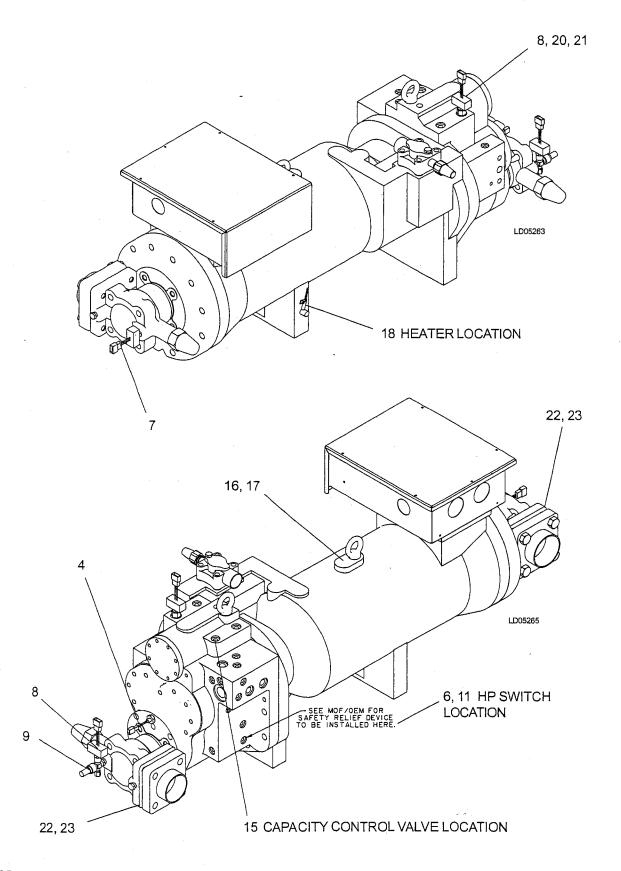


FIG. 12 – DXS COMPRESSOR OUTLINE (REF. TABLES 8 AND 9, PAGE 25)

# COMPRESSOR AND CONTROL COMPONENTS (CONT'D)

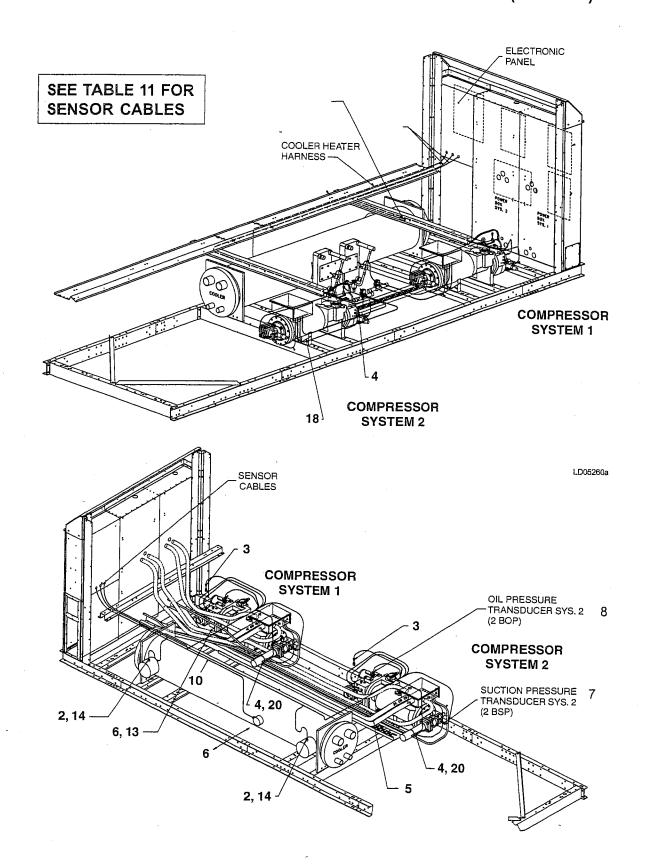


FIG. 13 - COMPRESSOR AND CONTROL COMPONENTS (REF. TABLES 8, PAGE 25)

# COMPRESSOR AND CONTROL COMPONENTS (CONT'D)

TABLE 8 - COMPRESSOR AND CONTROL COMPONENTS (SEE FIGS. 12 AND 13, PAGES 23 AND 24)

ITEM NUMBER	QUANTITY	SYSTEM	DESCRIPTION	VOLTAGE	PART NUMBER		
s1	1	Unit	Sensor, Outside Air (OAT)	ALL	025-28663-001		
<sup>\$</sup> 2	2	Unit	Sensor, Water Temp.	ALL	025-29964-000		
§3	2	1, 2	Sensor, Oil Temp.	ALL	025-30440-000		
\$4	2	· 1, 2	Sensor, Disc. Temp.	ALL	025-32924-000		
<sup>s</sup> 5	2	1, 2	Sensor, Suction Temp.	ALL	025-28935-000		
<sup>s</sup> 6	2	1, 2	Switch, High Press. Cutout	ALL	025-30480-000		
<sup>\$7</sup>	2	1, 2	Transducer 0-200 PSI	ALL	025-29583-000		
<sup>\$</sup> 8	4	1, 2	Transducer 0-400 PSI	ALL	025-29383-000		
9	6	1, 2	Valve, Transducer (Use with Items 7 & 8) 1/4 MPT x 1/4 FPT	ALL	022-09503-000		
10	4	1, 2	Valve, Charging (Oil, Refrig). 1/2 x 3/8 Flare (Not Shown)	ALL	022-09754-000		
11	2	1, 2	Adaptor, Mounting (Includes Item 12) (Use with Item 6)	ALL	023-18087-000		
12	4	1, 2	O-Ring (Use with Item 11)	ALL	028-13540-000		
13	6	1, 2	Bushing (Use with Items 6 and 7)	ALL	023-18052-000		
14	1	Unit	Compound, Heat Conductive (Use with Item 2)	ALL	013-00898-000		
<sup>s</sup> 15	2	1, 2	Valve, Capacity Control	ALL	025-33205-000		
16	2	1, 2	Lock Pin, Stator, EC 1099	ALL	064-43219-000		
17	2	1, 2	O-ring, Lock Pin	ALL	028-13856-000		
18	2	1, 2	Heater, Compressor 350 Watt	120V	025-32938-000		
s19	4	1, 2	Suppressor (Not Shown)	ALL	031-01117-000		
20	2	1, 2	Adapter, 3/4-16 UNF (Includes O-ring)	ALL	023-18225-000		
21	2	1, 2	O-ring for Item 20	ALL	023-18223-000		

Recommended Spare Part

TABLE 9 - COMPRESSOR STOP VALVES AND GASKETS

COMPRESSOR	LOCATION	VALVE (22)	PART NUMBER	GASKET (23)		
	Suct.	Stop Valve - 2 5/8	022-09777-001	028-13863-000		
112mm	Disc.	Stop Valve - 1 5/8	022-03727-003	028-13862-000		
	Econ.	No Valve - Gasket Only 7/8		028-13948-000		
	Suct.	Stop Valve - 2 5/8	022-09777-001	028-13863-000		
124mm	Disc.	Stop Valve - 2 1/8	022-01393-001	028-13902-000		
	Econ.	Stop Valve - 1 5/8	022-03727-003	028-13862-000		
	Suct.	Stop Valve - 3 5/8	022-02845-001	028-13864-000		
136mm	Disc.	Stop Valve - 2 5/8	022-09777-001	028-13863-000		
	Econ.	Stop Valve - 1 5/8	022-03727-003	028-13862-000		
	Suct.	Stop Valve - 3 5/8	022-02845-001	028-13864-000		
148mm	Disc.	Stop Valve - 2 5/8	022-09777-001	028-13863-000		
	Econ.	Stop Valve - 1 5/8	022-03727-003	028-13862-000		

## MICRO PANEL COMPONENTS

## TABLE 10 - MICRO PANEL COMPONENTS (SEE FIGS. 14 AND 15, PAGES 27, 27A, 27B, AND 28)

TERM No. QUANTITY	
1	
1   Door For Options Compartment   071-03617-000   1-Piece Control/Optio   2   1   MicroBoard   031-01095-002   3   1   Power Supply Board   031-01095-000   31-01093-000   4   2   Relay Circuit Board   031-01093-000   115V/24V   6   1   Kit, Terminal Block   025-33760-000   15V/24V   6   1   Kit, Terminal Block   025-33760-000   1   Kit, Terminal Block   025-33761-000   029-20878-000   9   22   Screw, Tap Thread   021-13789-000   10   1   Tag, Identification   035-15183-000   11   28   Screw, Tap Thread   021-14661-000   12   28   Screw, Tap Thread   021-14667-000   13   4   Lockwasher, TH Int 3/8   021-01155-000   14   4   Nut, Hex 3/8-16 UNC-2B   021-00467-000   15   3   Circuit Breaker, 6A   024-30913-000   16   24   Nut/Washer Assembly (KEPS)   021-18024-000   17   2   Strap, Cable   025-18167-000   18   1   Transformer, Control 3T   025-18452-000   208/240 Primary / 24   Lockwasher, Hel. Spring,   021-17576-000   24   Lockwasher, Hel. Spring,   021-17576-000   24   Lockwasher, Hel. Spring,   021-17576-000   24   Nut, Hex   021-10056-000   24   Nut, Hex   021-10056-000   24   Nut, Hex   021-10056-000   24   Spring,   031-01110-000   24   Nut, Hex   021-10056-000   24   Nut, Hex   021-10056-000   24   Spring,   031-01110-000   115V/24V   Spacer, Nylon   021-17576-000   115V/24V   29   4   Spacer, Nylon   031-01798-001   115V/24V   115V/24V	tion Panel
1	
3         1         Power Supply Board         031-01094-000           4         2         Relay Circuit Board         031-01093-000           5         1         Transformer, Control 2T         025-27911-000         115V/24V           6         1         Kit, Terminal Block         025-33760-000         7           7         1         Kit, Terminal Block         025-33761-000         8           8         2         Catch, Magnetic (Not Shown)         029-20878-000           9         22         Screw, Tap Thread         021-13789-000           10         1         Tag, Identification         035-15183-000           11         28         Nut, Expansion         021-14661-000           12         28         Screw, Tap Thread         021-14661-000           13         4         Lockwasher, TH Int 3/8         021-0167-000           14         4         Nut, Hex 3/8-16 UNC-2B         021-00467-000           15         3         Circuit Breaker, 6A         024-30913-000           16         24         NutWasher Assembly (KEPS)         021-1802-000           17         2         Strap, Cable         025-18452-000           19         22         Screw, Tap, Pan Head	Panel
4         2         Relay Circuit Board         031-01093-000           5         1         Transformer, Control 2T         025-27911-000         115V / 24V           6         1         Kit, Terminal Block         025-33760-000         15V / 24V           7         1         Kit, Terminal Block         025-33761-000         029-20878-000           8         2         Catch, Magnetic (Not Shown)         029-20878-000           9         22         Screw, Tap Thread         021-13789-000           10         1         Tag, Identification         035-15183-000           11         28         Nut, Expansion         021-14661-000           12         28         Screw, Tap Thread         021-14667-000           13         4         Lockwasher, TH Int 3/8         021-01155-000           14         4         Nut, Hex 3/8-16 UNC-2B         021-00467-000           15         3         Circuit Breaker, 6A         024-30913-000           16         24         NutWasher Assembly (KEPS)         021-18024-000           17         2         Strap, Cable         025-18452-000           20         4         Lockwasher, Heil Spring,         021-17576-000           21         4         <	
5         1         Transformer, Control 2T         025-27911-000         115V / 24V           6         1         Kit, Terminal Block         025-33760-000           7         1         Kit, Terminal Block         025-33761-000           8         2         Catch, Magnetic (Not Shown)         029-20878-000           9         22         Screw, Tap Thread         021-13789-000           10         1         Tag, Identification         035-15183-000           11         28         Nut, Expansion         021-14661-000           12         28         Screw, Tap Thread         021-14667-000           13         4         Lockwasher, TH Int 3/8         021-00467-000           15         3         Circuit Breaker, 6A         024-30913-000           16         24         NutWasher Assembly (KEPS)         021-18024-000           17         2         Strap, Cable         025-18452-000         208/240 Primary / 24           19         22         Screw, Tap, Pan Head         021-13789-000         204-1056-000           20         4         Lockwasher, Hel. Spring,         021-17576-000           21         4         Nut, Hex         021-17576-000           22         2 <t< th=""><th></th></t<>	
6         1         Kit, Terminal Block         025-33760-000           7         1         Kit, Terminal Block         025-33761-000           8         2         Catch, Magnetic (Not Shown)         029-20878-000           9         22         Screw, Tap Thread         021-13789-000           10         1         Tag, Identification         035-15183-000           11         28         Nut, Expansion         021-14667-000           12         28         Screw, Tap Thread         021-01155-000           13         4         Lockwasher, TH Int 3/8         021-00467-000           14         4         Nut, Hex 3/8-16 UNC-2B         021-00467-000           15         3         Circuit Breaker, 6A         024-30913-000           16         24         Nut/Washer Assembly (KEPS)         021-18024-000           17         2         Strap, Cable         025-18452-000           18         1         Transformer, Control 3T         025-18452-000           20         4         Lockwasher, Hel. Spring,         021-17576-000           21         4         Nut, Hex         021-10056-000           22         2         Switch, On/Off         024-25517-000           23	
6         1         Kit, Terminal Block         025-33760-000           7         1         Kit, Terminal Block         025-33761-000           8         2         Catch, Magnetic (Not Shown)         029-20878-000           9         22         Screw, Tap Thread         021-13789-000           10         1         Tag, Identification         035-15183-000           11         28         Nut, Expansion         021-14661-000           12         28         Screw, Tap Thread         021-01155-000           13         4         Lockwasher, TH Int 3/8         021-01155-000           14         4         Nut, Hex 3/8-16 UNC-2B         021-00467-000           15         3         Circuit Breaker, 6A         024-30913-000           16         24         Nut/Washer Assembly (KEPS)         021-18024-000           17         2         Strap, Cable         025-18167-000           18         1         Transformer, Control 3T         025-18452-000           19         22         Screw, Tap, Pan Head         021-13789-000           20         4         Lockwasher, Hel. Spring,         021-13789-000           21         4         Nut, Hex         021-10056-000           22	
8         2         Catch, Magnetic (Not Shown)         029-20878-000           9         22         Screw, Tap Thread         021-13789-000           10         1         Tag, Identification         035-15183-000           11         28         Nut, Expansion         021-14661-000           12         28         Screw, Tap Thread         021-14667-000           13         4         Lockwasher, TH Int 3/8         021-01155-000           14         4         Nut, Hex 3/8-16 UNC-2B         021-00467-000           15         3         Circuit Breaker, 6A         024-30913-000           16         24         Nut/Washer Assembly (KEPS)         021-18024-000           17         2         Strap, Cable         025-18452-000           19         22         Screw, Tap, Pan Head         021-13789-000           20         4         Lockwasher, Hel. Spring,         021-13789-000           21         4         Nut, Hex         021-10056-000           22         2         Switch, On/Off         024-25517-000           23         1         Display         031-01110-000           24         1         Ribbon Cable         071-02253-251           25         4	
9         22         Screw, Tap Thread         021-13789-000           10         1         Tag, Identification         035-15183-000           11         28         Nut, Expansion         021-14667-000           12         28         Screw, Tap Thread         021-14667-000           13         4         Lockwasher, TH Int 3/8         021-01155-000           14         4         Nut, Hex 3/8-16 UNC-2B         021-00467-000           15         3         Circuit Breaker, 6A         024-30913-000           16         24         Nut/Washer Assembly (KEPS)         021-18024-000           17         2         Strap, Cable         025-18452-000           18         1         Transformer, Control 3T         025-18452-000           20         4         Lockwasher, Hel. Spring,         021-13789-000           20         4         Lockwasher, Hel. Spring,         021-13789-000           21         4         Nut, Hex         021-10056-000           21         4         Nut, Hex         021-10056-000           22         2         Switch, On/Off         024-25517-000           23         1         Display         031-0110-000           24         1	
10	
11         28         Nut, Expansion         021-14661-000           12         28         Screw, Tap Thread         021-14667-000           13         4         Lockwasher, TH Int 3/8         021-01155-000           14         4         Nut, Hex 3/8-16 UNC-2B         021-00467-000           15         3         Circuit Breaker, 6A         024-30913-000           16         24         Nut/Washer Assembly (KEPS)         021-18024-000           17         2         Strap, Cable         025-18167-000           18         1         Transformer, Control 3T         025-18452-000           20         4         Lockwasher, Hel. Spring,         021-13789-000           20         4         Lockwasher, Hel. Spring,         021-17576-000           21         4         Nut, Hex         021-10056-000           22         2         Switch, On/Off         024-25517-000           23         1         Display         031-01110-000           24         1         Ribbon Cable         071-02253-251           25         4         Ribbon Cable         071-02253-252           26         1         Ribbon Cable         071-02253-251           27         3         C	
12         28         Screw, Tap Thread         021-14667-000           13         4         Lockwasher, TH Int 3/8         021-01155-000           14         4         Nut, Hex 3/8-16 UNC-2B         021-00467-000           15         3         Circuit Breaker, 6A         024-30913-000           16         24         NutWasher Assembly (KEPS)         021-18024-000           17         2         Strap, Cable         025-18452-000           18         1         Transformer, Control 3T         025-18452-000           20         4         Lockwasher, Head         021-13789-000           20         4         Lockwasher, Hei. Spring,         021-17576-000           21         4         Nut, Hex         021-10056-000           22         2         Switch, On/Off         024-25517-000           23         1         Display         031-01110-000           24         1         Ribbon Cable         071-02253-251           25         4         Ribbon Cable         071-02253-253           27         3         Clamp, Ribbon Wire         025-25156-000           28         1         Transformer, Control 4T         025-30889-000         115V/24V           29	
13	
14       4       Nut, Hex 3/8-16 UNC-2B       021-00467-000         15       3       Circuit Breaker, 6A       024-30913-000         16       24       Nut/Washer Assembly (KEPS)       021-18024-000         17       2       Strap, Cable       025-18452-000         18       1       Transformer, Control 3T       025-18452-000       208/240 Primary / 24 Used for 110 / 12         19       22       Screw, Tap, Pan Head       021-13789-000       024-25517-000         20       4       Lockwasher, Hel. Spring, 021-17576-000       024-25517-000         21       4       Nut, Hex       021-10056-000         22       2       Switch, On/Off       024-25517-000         23       1       Display       031-01110-000         24       1       Ribbon Cable       071-02253-251         25       4       Ribbon Cable       071-02253-252         26       1       Ribbon Cable       071-02253-253         27       3       Clamp, Ribbon Wire       025-30889-000       115V / 24V         29       4       Spacer, Nylon       021-17575-000         30       1       Harness, Hinged Panel       571-02253-201         31       1       Harness,	
15         3         Circuit Breaker, 6A         024-30913-000           16         24         Nut/Washer Assembly (KEPS)         021-18024-000           17         2         Strap, Cable         025-18167-000           18         1         Transformer, Control 3T         025-18452-000         208/240 Primary / 24 Used for 110 / 12           19         22         Screw, Tap, Pan Head         021-13789-000         024-25517-000           20         4         Lockwasher, Hel. Spring, 021-17576-000         021-10056-000           21         4         Nut, Hex 021-10056-000           22         2         Switch, On/Off 024-25517-000           23         1         Display 031-01110-000           24         1         Ribbon Cable 071-02253-251           25         4         Ribbon Cable 071-02253-251           25         4         Ribbon Cable 071-02253-253           27         3         Clamp, Ribbon Wire 025-25156-000           28         1         Transformer, Control 4T 025-30889-000 01           29         4         Spacer, Nylon 021-17575-000 01           30         1         Harness, Hinged Panel 0571-02253-201 01           31         1         Harness, Main Panel 0571-02253-201 02	
16         24         Nut/Washer Assembly (KEPS)         021-18024-000           17         2         Strap, Cable         025-18167-000           18         1         Transformer, Control 3T         025-18452-000         208/240 Primary / 24 Used for 110 / 12           19         22         Screw, Tap, Pan Head         021-13789-000         Used for 110 / 12           20         4         Lockwasher, Hel. Spring, O21-17576-000         021-17576-000           21         4         Nut, Hex         021-10056-000           22         2         Switch, On/Off         024-25517-000           23         1         Display         031-01110-000           24         1         Ribbon Cable         071-02253-251           25         4         Ribbon Cable         071-02253-252           26         1         Ribbon Cable         071-02253-253           27         3         Clamp, Ribbon Wire         025-25156-000           28         1         Transformer, Control 4T         025-30889-000         115V/24V           29         4         Spacer, Nylon         021-17575-000           30         1         Harness, Hinged Panel         571-01226-211           31         1         H	ė
17         2         Strap, Cable         025-18167-000           18         1         Transformer, Control 3T         025-18452-000         208/240 Primary / 24 Used for 110 / 12           19         22         Screw, Tap, Pan Head         021-13789-000         Used for 110 / 12           20         4         Lockwasher, Hel. Spring, O21-17576-000         021-17576-000         021-10056-000           21         4         Nut, Hex         021-10056-000           22         2         Switch, On/Off         024-25517-000           23         1         Display         031-01110-000           24         1         Ribbon Cable         071-02253-251           25         4         Ribbon Cable         071-02253-252           26         1         Ribbon Cable         071-02253-253           27         3         Clamp, Ribbon Wire         025-30889-000         115V / 24V           29         4         Spacer, Nylon         021-17575-000           30         1         Harness, Hinged Panel         571-01226-211           31         1         Harness, Main Panel         571-02253-201           32         1         Connector, Cable Strap         025-08301-000           34	
18       1       Transformer, Control 3T       025-18452-000       208/240 Primary / 24 Used for 110 / 12         19       22       Screw, Tap, Pan Head       021-13789-000         20       4       Lockwasher, Hel. Spring,       021-17576-000         21       4       Nut, Hex       021-10056-000         22       2       Switch, On/Off       024-25517-000         23       1       Display       031-01110-000         24       1       Ribbon Cable       071-02253-251         25       4       Ribbon Cable       071-02253-253         27       3       Clamp, Ribbon Wire       025-25156-000         28       1       Transformer, Control 4T       025-30889-000       115V / 24V         29       4       Spacer, Nylon       021-17575-000         30       1       Harness, Hinged Panel       571-01226-211         31       1       Harness, Main Panel       571-02253-201         32       1       Connector, Cable Strap       025-08301-000         33       1       Relay, Control       024-25598-000         34       1       EPROM       031-01798-001	
19 22 Screw, Tap, Pan Head 021-13789-000 20 4 Lockwasher, Hel. Spring, 021-17576-000 21 4 Nut, Hex 021-10056-000 22 2 Switch, On/Off 024-25517-000 23 1 Display 031-01110-000 24 1 Ribbon Cable 071-02253-251 25 4 Ribbon Cable 071-02253-252 26 1 Ribbon Cable 071-02253-253 27 3 Clamp, Ribbon Wire 025-25156-000 28 1 Transformer, Control 4T 025-30889-000 29 4 Spacer, Nylon 021-17575-000 30 1 Harness, Hinged Panel 571-01226-211 31 1 Harness, Main Panel 571-02253-201 32 1 Connector, Cable Strap 025-08301-000 33 1 Relay, Control 024-25598-000 34 1 EPROM 031-01798-001	
19       22       Screw, Tap, Pan Head       021-13789-000         20       4       Lockwasher, Hel. Spring,       021-17576-000         21       4       Nut, Hex       021-10056-000         22       2       Switch, On/Off       024-25517-000         23       1       Display       031-01110-000         24       1       Ribbon Cable       071-02253-251         25       4       Ribbon Cable       071-02253-252         26       1       Ribbon Cable       071-02253-253         27       3       Clamp, Ribbon Wire       025-25156-000         28       1       Transformer, Control 4T       025-30889-000       115V/24V         29       4       Spacer, Nylon       021-17575-000         30       1       Harness, Hinged Panel       571-0126-211         31       1       Harness, Main Panel       571-02253-201         32       1       Connector, Cable Strap       025-08301-000         33       1       Relay, Control       024-25598-000         34       1       EPROM       031-01798-001	
21       4       Nut, Hex       021-10056-000         22       2       Switch, On/Off       024-25517-000         23       1       Display       031-01110-000         24       1       Ribbon Cable       071-02253-251         25       4       Ribbon Cable       071-02253-252         26       1       Ribbon Cable       071-02253-253         27       3       Clamp, Ribbon Wire       025-25156-000         28       1       Transformer, Control 4T       025-30889-000       115V / 24V         29       4       Spacer, Nylon       021-17575-000         30       1       Harness, Hinged Panel       571-01226-211         31       1       Harness, Main Panel       571-02253-201         32       1       Connector, Cable Strap       025-08301-000         33       1       Relay, Control       024-25598-000         34       1       EPROM       031-01798-001	
22       2       Switch, On/Off       024-25517-000         23       1       Display       031-01110-000         24       1       Ribbon Cable       071-02253-251         25       4       Ribbon Cable       071-02253-252         26       1       Ribbon Cable       071-02253-253         27       3       Clamp, Ribbon Wire       025-25156-000         28       1       Transformer, Control 4T       025-30889-000       115V / 24V         29       4       Spacer, Nylon       021-17575-000         30       1       Harness, Hinged Panel       571-01226-211         31       1       Harness, Main Panel       571-02253-201         32       1       Connector, Cable Strap       025-08301-000         33       1       Relay, Control       024-25598-000         34       1       EPROM       031-01798-001	
23       1       Display       031-01110-000         24       1       Ribbon Cable       071-02253-251         25       4       Ribbon Cable       071-02253-252         26       1       Ribbon Cable       071-02253-253         27       3       Clamp, Ribbon Wire       025-25156-000         28       1       Transformer, Control 4T       025-30889-000       115V/24V         29       4       Spacer, Nylon       021-17575-000         30       1       Harness, Hinged Panel       571-01226-211         31       1       Harness, Main Panel       571-02253-201         32       1       Connector, Cable Strap       025-08301-000         33       1       Relay, Control       024-25598-000         34       1       EPROM       031-01798-001	
24       1       Ribbon Cable       071-02253-251         25       4       Ribbon Cable       071-02253-252         26       1       Ribbon Cable       071-02253-253         27       3       Clamp, Ribbon Wire       025-25156-000         28       1       Transformer, Control 4T       025-30889-000       115V/24V         29       4       Spacer, Nylon       021-17575-000         30       1       Harness, Hinged Panel       571-01226-211         31       1       Harness, Main Panel       571-02253-201         32       1       Connector, Cable Strap       025-08301-000         33       1       Relay, Control       024-25598-000         34       1       EPROM       031-01798-001	
25       4       Ribbon Cable       071-02253-252         26       1       Ribbon Cable       071-02253-253         27       3       Clamp, Ribbon Wire       025-25156-000         28       1       Transformer, Control 4T       025-30889-000       115V/24V         29       4       Spacer, Nylon       021-17575-000         30       1       Harness, Hinged Panel       571-01226-211         31       1       Harness, Main Panel       571-02253-201         32       1       Connector, Cable Strap       025-08301-000         33       1       Relay, Control       024-25598-000         34       1       EPROM       031-01798-001	
26       1       Ribbon Cable       071-02253-253         27       3       Clamp, Ribbon Wire       025-25156-000         28       1       Transformer, Control 4T       025-30889-000       115V / 24V         29       4       Spacer, Nylon       021-17575-000         30       1       Harness, Hinged Panel       571-01226-211         31       1       Harness, Main Panel       571-02253-201         32       1       Connector, Cable Strap       025-08301-000         33       1       Relay, Control       024-25598-000         34       1       EPROM       031-01798-001	
27     3     Clamp, Ribbon Wire     025-25156-000       28     1     Transformer, Control 4T     025-30889-000     115V / 24V       29     4     Spacer, Nylon     021-17575-000       30     1     Harness, Hinged Panel     571-01226-211       31     1     Harness, Main Panel     571-02253-201       32     1     Connector, Cable Strap     025-08301-000       33     1     Relay, Control     024-25598-000       34     1     EPROM     031-01798-001	
28     1     Transformer, Control 4T     025-30889-000     115V/24V       29     4     Spacer, Nylon     021-17575-000       30     1     Harness, Hinged Panel     571-01226-211       31     1     Harness, Main Panel     571-02253-201       32     1     Connector, Cable Strap     025-08301-000       33     1     Relay, Control     024-25598-000       34     1     EPROM     031-01798-001	
29     4     Spacer, Nylon     021-17575-000       30     1     Harness, Hinged Panel     571-01226-211       31     1     Harness, Main Panel     571-02253-201       32     1     Connector, Cable Strap     025-08301-000       33     1     Relay, Control     024-25598-000       34     1     EPROM     031-01798-001	
29     4     Spacer, Nylon     021-17575-000       30     1     Harness, Hinged Panel     571-01226-211       31     1     Harness, Main Panel     571-02253-201       32     1     Connector, Cable Strap     025-08301-000       33     1     Relay, Control     024-25598-000       34     1     EPROM     031-01798-001	
31     1     Harness, Main Panel     571-02253-201       32     1     Connector, Cable Strap     025-08301-000       33     1     Relay, Control     024-25598-000       34     1     EPROM     031-01798-001	
32         1         Connector, Cable Strap         025-08301-000           33         1         Relay, Control         024-25598-000           34         1         EPROM         031-01798-001	
33 1 Relay, Control 024-25598-000 34 1 EPROM 031-01798-001	
34 1 EPROM 031-01798-001	
0-101700001	
35 1 Label, Caution 035-15989-000	
36 1 Label, Warning 035-11929-000	
37 2 Connector, Cable Strap 025-12282-000	
38 1 I/O Expansion Board 031-01781-000	
39 1 Ribbon Cable 071-02253-254	
40 Varies Plug, 6 Pin 025-28382-000 See Page 24	
41 Varies Plug, 9 Pin 025-28383-000 See Page 24	
42 Varies Plug, 12 Pin 025-28384-000 See Page 24	
43 Varies Socket, Wire End 025-28386-000 Use with Plugs 40, 4	. 42

## MICRO PANEL COI

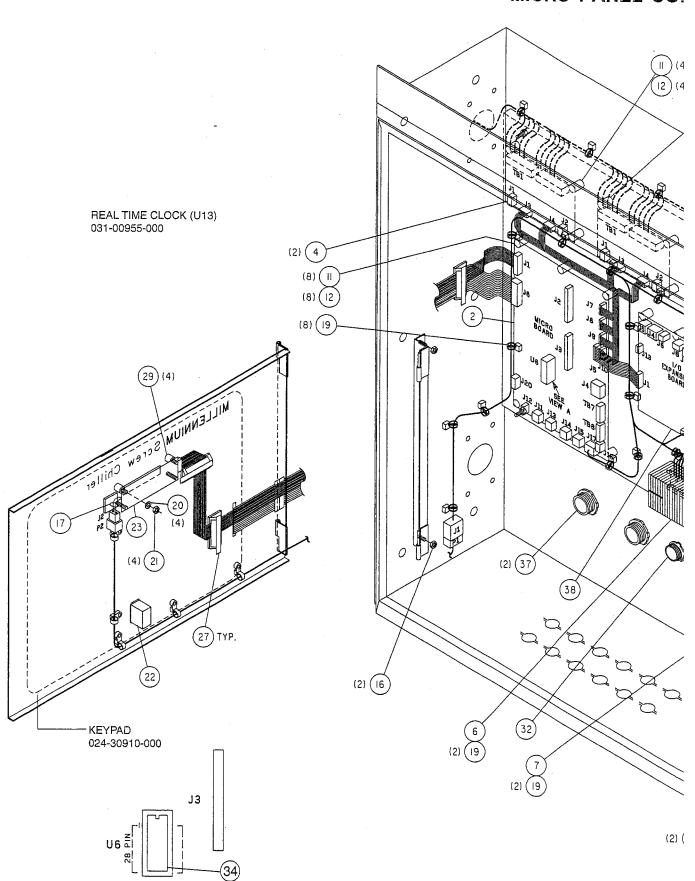
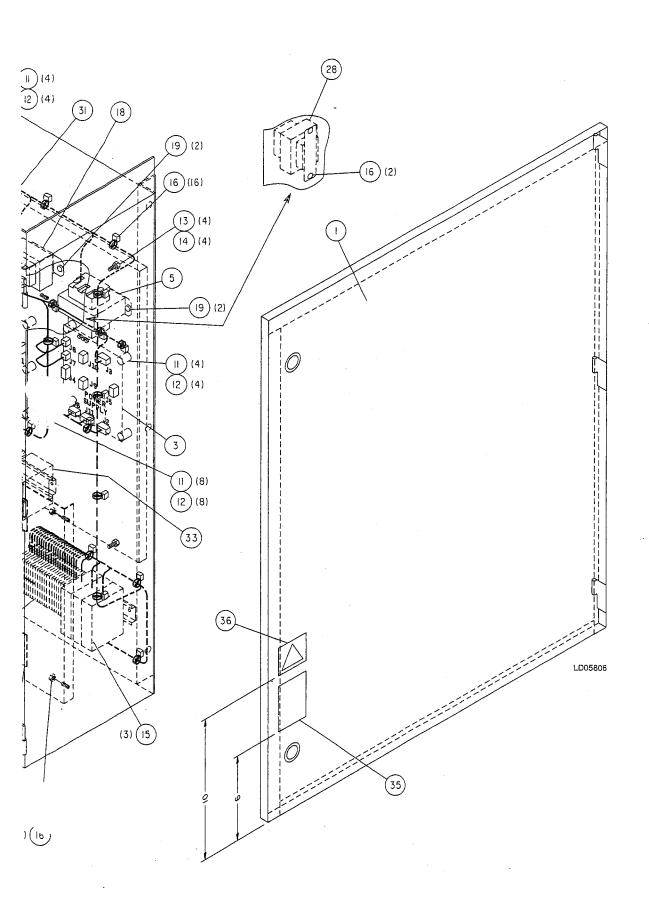


FIG. 14 - MICRO PANEL BOX (REF. TABLE 10, PAGE 26)

# 'CHENTS (CONT'D)



#### MICRO PANEL CO

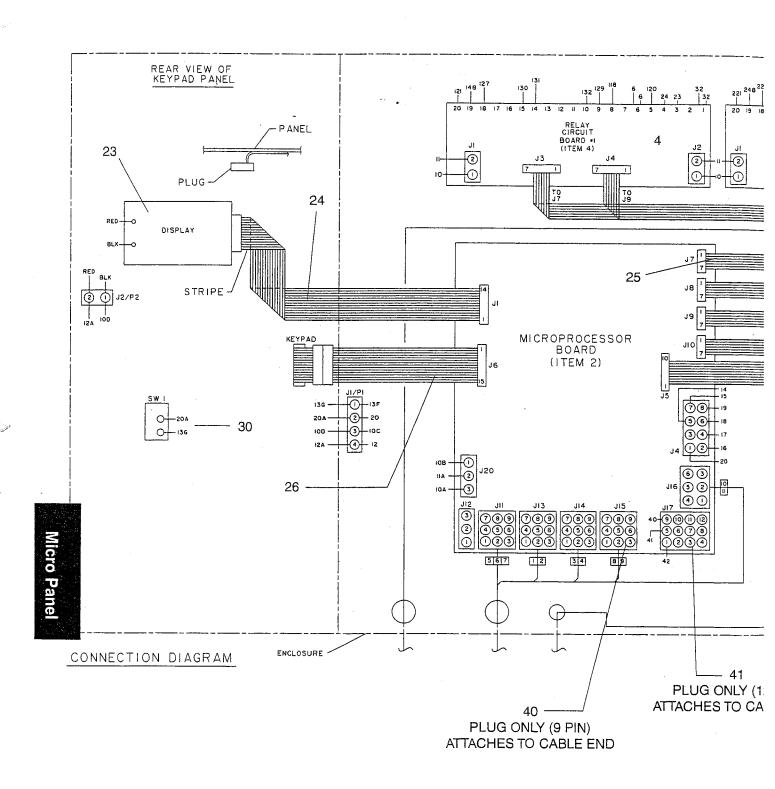
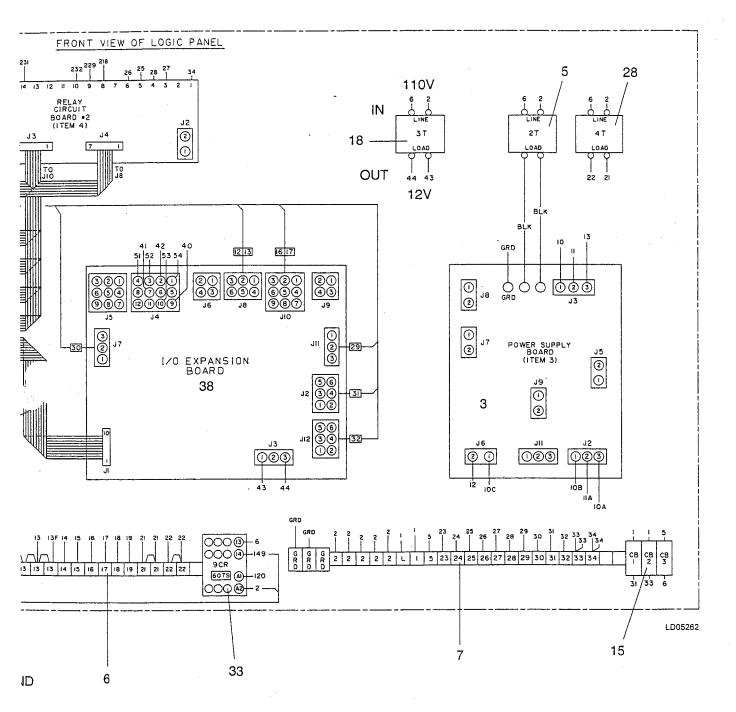


FIG. 15 - MICRO PANEL CONNECTION DIAGRAM (REF. TABLE 10, PAGE 26)

270

## NENTS (CONT'D)



## SENSOR HARNESS

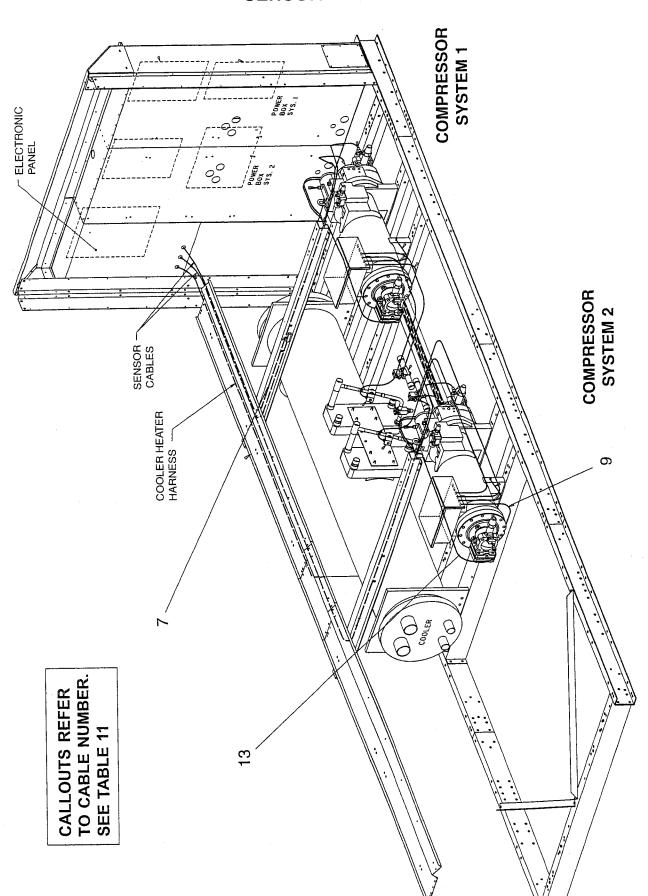
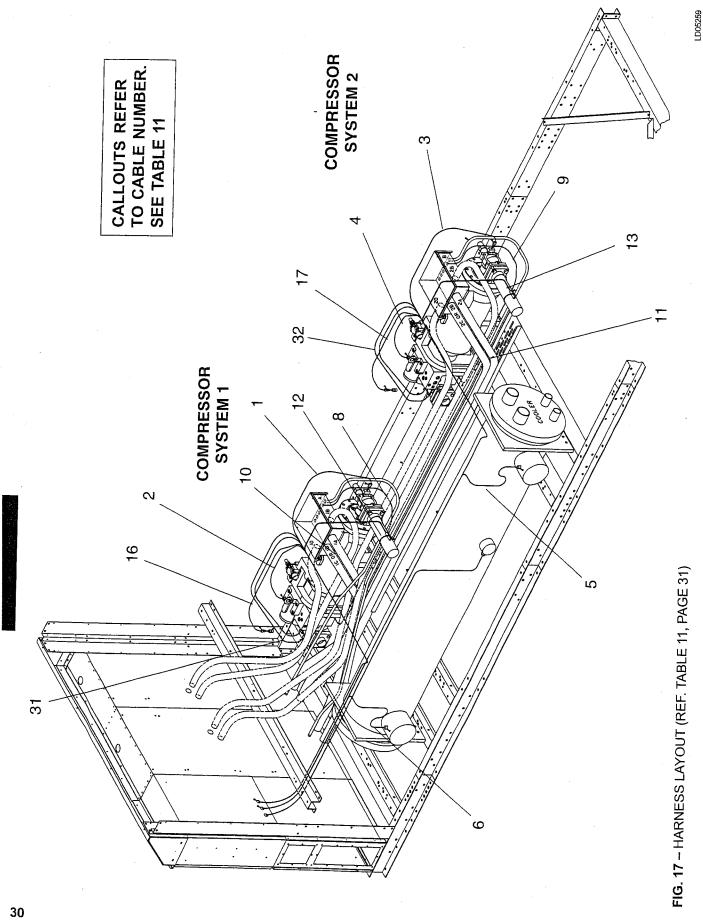


FIG. 16 - HARNESS LAYOUT (REF. TABLE 11, PAGE 31)

# SENSOR HARNESS (CONT'D)

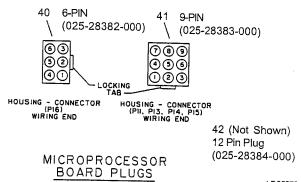


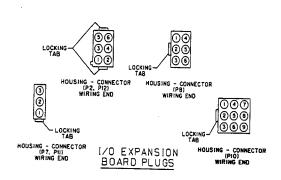
## SENSOR HARNESS (CONT'D)

TABLE 11 - SENSOR HARNESS WIRING (SEE FIGS. 17 AND 18, PAGES 29 AND 30)

LOCATION	CABLE ITEM NO.	CABLE NO.	COLOR	PLUG PIN NO.	FUNCTION	HARNESS ASSY		
	l l		RED	4	SYS #1	A031		
	102	1	BLK	11				
MICRO J13	1		WHT	7	SUCTION	371-02253-231		
		<del> </del>	DRAIN	2	PRESSURE			
313			RED	5				
	104	2	BLK	3	SYS#1			
	1	1 -	WHT	8	T OIL	274 20050 200		
			DRAIN	9	PRESSURE	371-02253-233		
			RED	4				
	1		BLK		SYS#2			
	103	3	WHT	11	SUCTION			
MICRO	}			7		371-02253-232		
J14		<del></del>	DRAIN	2	PRESSURE			
U 1-4	Į		RED	5				
	105	4	BLK	3	SYS#2			
	}		WHT	8	-  OIL !	371-02253-234		
		1	DRAIN	9	PRESSURE	07 1-02203-234		
	T		RED	<del></del>				
	112	5	BLK		LEAVING CHILLED			
	1			4	WATER	371-02253-246		
MICRO		<del> </del>	DRAIN	1	WAIEK	0, 1 02200-240		
	113	_	RED	8	ENTERING ::::			
J11	1 113	6	BLK	5	ENTERING CHILLED	274 00000 047		
	<b></b>		DRAIN	2	WATER	371-02253-247		
	1		RED	9	† · · · · · · · · · · · · · · · · · · ·			
	114	7	BLK	6	1 01/2012			
		ł	DRAIN	3	OUTSIDE AIR TEMP.	371-02253-248		
			RED					
	1	1		4	SYS#2			
MICRO J15	107	9	BLK	11		•		
	1		WHT	7	DISCH.	371-02253-236		
			DRAIN 2 PRESSURE		PRESSURE			
313	i		RED	5				
	106	8	BLK	3	SYS#1			
	1	٠	WHT	8	DISCH.	371-02253-235		
	ł		DRAIN	9	PRESSURE	57 I-02235-235		
			RED		THEOGOTE			
	108	10		5	SYS#1			
MICRO	100	10	BLK 6			271 02252 044		
J16			DRAIN	1	SUCTION TEMP.	371-02253-241		
310			RED	2		<del></del>		
	109	11	BLK	4 SYS#2				
			DRAIN	3	SUCTION TEMP.	371-02253-242		
			RED	4				
110	100	16	BLK	7	SYS#1			
NO					OIL TEMP.	371-02253-221		
J10			DRAIN	3	OIL TEIVIF.	5. 1 SELOG-EE 1		
U . U	101	47	RED	5	03/0 110			
	101	17	BLK	6	SYS#2	274 20252 200		
			DRAIN	2	OIL TEMP.	371-02253-222		
	l l		RED	2				
VO.	110	12	BLK	4	SYS#1			
			DRAIN	1	DISCH. TEMP.	371-02253-243		
J8			RED	5				
	111	13	BLK		SYS#2			
	'''	.5		6	DISCH. TEMP.	371-02253-244		
	1		DRAIN	3	DISCH, TEMP.	57 1-02255-244		
BOARD	CABLE	045:5						
CATION		CABLE	WIRE	PLUG	FUNOTION	HADNESS		
CATION	ITEM NO.	NO.	COLOR	PIN NO.	FUNCTION	HARNESS		
i/O	7		RED (47)	1		ASSY		
P2	117	31	BLK (48)	2	SYS#1			
1.4			DRAIN		SLIDE VALVE	371-02253-283		
			DED (40)	6	OLIOL FALVE			
VO ∣	118	32	RED (49)	1	CVC #4			
P12	110	3 <u>2</u>	BLK (50)	2	SYS#1	074 00050 00		
			DRAIN	6	SLIDE VALVE	371-02253-284		
i/O			RED	1				
P11	. 115	29	BLK	2	SYS #1 COOLER INLET REFRIG.			
<u></u>			DRAIN	3	TEMP. SENSOR (R407C ONLY)	371-02253-281		
			RED					
<b>!</b> ⁄O }	116	20		1	SVS #2 COOLED IN STREET			
P7	110	30	BLK	2	SYS #2 COOLER INLET REFRIG. TEMP. SENSOR (R407C ONLY)	371-02253-282		
			DRAIN	3				

Note: Harness comes with plug for sensor connection. Plug and sockets (43) for Microboard connection must be ordered separately when needed.





## TRANSDUCERS AND TEMP SENSORS

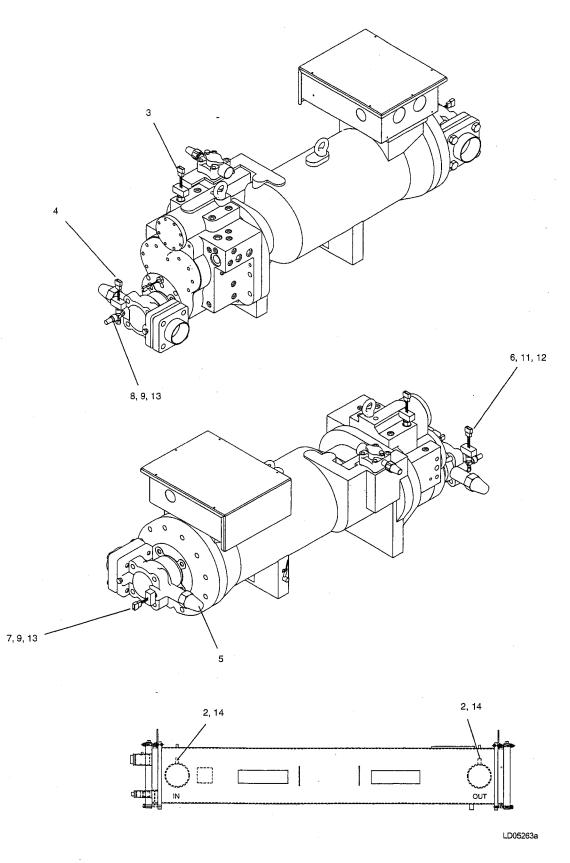


FIG. 19 - TRANSDUCERS AND TEMP SENSORS (REF. TABLE 12, PAGE 33)

# Micro Pane

## TRANSDUCERS AND TEMP SENSORS (CONT'D)

TABLE 12 - TRANSDUCERS AND TEMP SENSORS (SEE FIG. 19, PAGE 32)

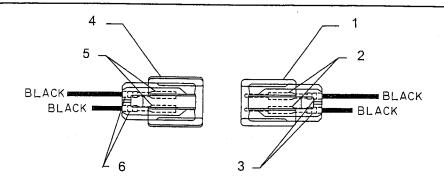
ITEM NUMBER	QUANTITY	SYSTEM	DESCRIPTION	VOLTAGE CODE	PARTNUMBER
s <sub>1</sub>	1	Unit	Sensor, Outside Air (OAT)	ALL	025-28663-001
s2	2	Unit	Sensor, Water Temp.	ALL	025-29964-000
<b></b> \$3	2	1, 2	- Sensor, Oil Temp.	ALL	025-30440-000
s4	2	1, 2	Sensor, Disc. Temp.	ALL	025-32924-000
<sup>s</sup> 5	2	1, 2	Sensor, Suction Temp.	ALL	025-28935-000
<sup>s</sup> 6	2	1, 2	Switch, High Press. Cutout	ALL	025-30480-000
s7	2	1, 2	Transducer 0-200 PSI	ALL	025-29583-000
*8	4	1, 2	Transducer 0-400 PSI	ALL	025-29139-001
9	6	1, 2	Valve, Transducer (Use with Items 7 & 8) 1/4 MPT x 1/4 FPT	ALL	022-09503-000
10	4	1, 2	Valve, Charging (Oil, Refrig). 1/2 x 3/8 Flare (Not Shown)	ALL	022-09754-000
11	2	1, 2	Adaptor, Mounting (Includes Item 12) (Use with Item 6)	ALL	023-18087-000
12	4	1, 2	O-Ring (Use with Item 11)	ALL	028-13540-000
13	6	1, 2	Bushing (Use with Items 6 and 7)	ALL	023-18052-000
14	1	Unit	Compound, Heat Conductive (Use with Item 2)	ALL	013-00898-000

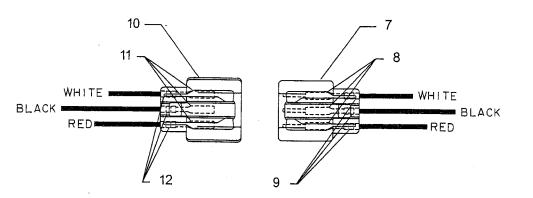
<sup>&</sup>lt;sup>s</sup> Recommended Spare Part

## TRANSDUCER AND TEMPERATURE SENSOR CABLE ENDS

TABLE 13-TRANSDUCER AND TEMPERATURE SENSOR CABLE ENDS - (SEE FIG. 20)

ITEM NO.	TYPE	DESCRIPTION	DINC	DARTHURA
TILITIO.			PINS	PART NUMBER
1	Transducer	Plug Connector	3 Pin End	025-28953-000
2		Contact Pins		025-28949-000
3		Rubber Collar		025-28950-000
4	Wire Harness	Plug Connector	3 Pin End	025-28954-000
5		Contact Pins		025-28952-000
6		Rubber Collar		025-28950-000
7	Thermistor	Plug Connector	2 Pin End	025-28948-000
8		Contact Pins		025-28949-000
9		Rubber Collar		025-28950-000
10	Wire Harness	Plug Connector	2 Pin End	025-28951-000
11		Contact Pins		025-28952-000
12		Rubber Collar		025-28950-000

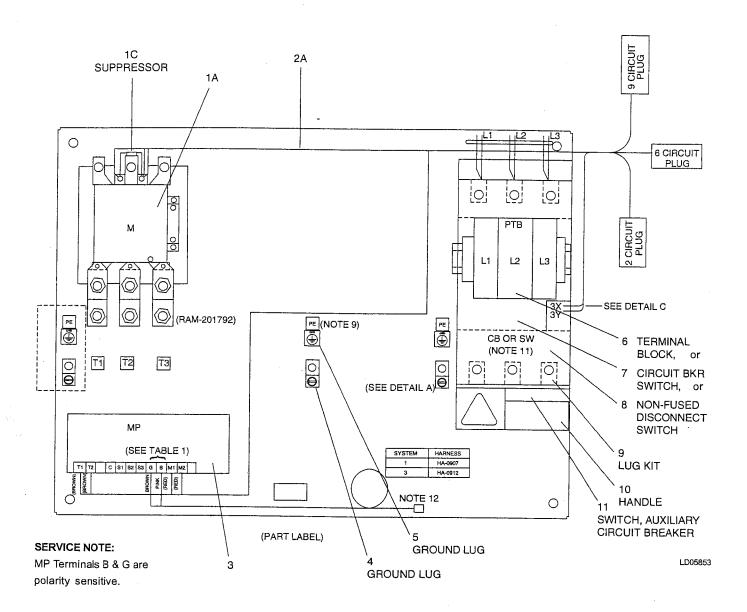




LD06251

FIG. 20- TRANSDUCER AND TEMPERATURE SENSOR CABLE ENDS (REF. TABLE 13)

## POWER PANEL - ACROSS-THE-LINE



#### **SERVICE NOTES:**

- 1. See Installation, Operation and Maintenance Manual, page 17, for setting instructions on MP Module.
- MP Window will flash H A \_\_\_\_ when functioning properly. The numeric digits correspond to 'MPOL VALUE SET' shown in column 3, page 17 of Installation, Operation and Maintenance Manual. (Example: HA 128)
- 3. MP Faults are listed on page 16 of Installation, Operation and Maintenance Manual.
- 4.. When replacing contactors, disconnects, and circuit breakers, lugs need to be ordered as well. Identify the component model number and check against information on page 50 of this manual.

YCAS0230E-58XF

371-02302-152

371-02302-352

# POWER PANEL IDENTIFIERS - ACROSS-THE-LINE

TABLE 14 – POWER PANEL IDENTIFIERS (SELECT PANEL NUMBER BELOW, THEN REFER TO "POWER PANEL COMPONENTS-ACROSS THE LINE" TABLE ON PAGES 38 - 45, AND FIG. 21, PAGE 36)

Model	Terminal Block	w/Separate Breakers System Circuit Switches	w/Separate System NF Disconnect
	Panel Number	Panel Number	Panel Number
YCAS0130E-17XF	371-02302-150	371-02302-250	371-02302-350
YCAS0130E-28XF	371-02302-151	371-02302-251	371-02302-351
YCAS0130E-40XF	371-02302-152	371-02302-252	371-02302-351
YCAS0130E-46XF	371-02302-153	371-02302-253	371-02302-353
YCAS0130E-58XF	371-02302-154	371-02302-254	371-02302-354
YCAS0140E-17XF	371-02302-161	371-02302-261	371-02302-361
YCAS0140E-28XF	371-02302-157	371-02302-264	371-02302-364
YCAS0140E-40XF	371-02302-163	371-02302-263	371-02302-363
YCAS0140E-46XF	371-02302-164	371-02302-253	371-02302-353
YCAS0140E-58XF	371-02302-165	371-02302-266	371-02302-375
YCAS0150E-17XF	371-02302-155	371-02302-255	371-02302-375
YCAS0150E-28XF	371-02302-162	371-02302-262	371-02302-362
YCAS0150E-40XF	371-02302-156	371-02302-256	371-02302-362
YCAS0150E-46XF	371-02302-167	371-02302-257	371-02302-357
YCAS0150E-58XF	371-02302-168	371-02302-268	371-02302-358
YCAS0160E-17XF	371-02302-160	371-02302-258	371-02302-376
YCAS0160E-28XF	371-02302-161	371-02302-261	371-02302-361
YCAS0160E-40XF	371-02302-159	371-02302-276	371-02302-366
YCAS0160E-46XF	371-02302-152	371-02302-252	371-02302-352
YCAS0160E-58XF	371-02302-153	371-02302-253	371-02302-353
YCAS0170E-17XF	371-02302-160	371-02302-258	371-02302-377
YCAS0170E-28XF	371-02302-169	371-02302-270	371-02302-377
YCAS0170E-40XF	371-02302-177	371-02302-260	371-02302-360
YCAS0170E-46XF	371-02302-152	371-02302-252	371-02302-352
YCAS0170E-58XF	371-02302-153	371-02302-253	371-02302-353
YCAS0180E-17XF	371-02302-160	371-02302-258	371-02302-379
YCAS0180E-28XF	371-02302-170	371-02302-267	371-02302-368
YCAS0180E-40XF	371-02302-171	371-02302-271	371-02302-369
YCAS0180E-46XF	371-02302-152	371-02302-252	371-02302-352
YCAS0180E-58XF	371-02302-153	371-02302-253	371-02302-353
YCAS0200E-17XF	371-02302-158	371-02302-265	371-02302-365
YCAS0200E-28XF	371-02302-160	371-02302-258	371-02302-376
YCAS0200E-40XF	371-02302-171	371-02302-271	371-02302-369
YCAS0200E-46XF	371-02302-159	371-02302-269	371-02302-366
YCAS0200E-58XF	371-02302-172	371-02302-272	371-02302-370
YCAS0210E-17XF	371-02302-158	371-02302-265	371-02302-365
YCAS0210E-28XF	371-02302-173	371-02302-273	371-02302-303
YCAS0210E-40XF	371-02302-174	371-02302-274	371-02302-371
YCAS0210E-46XF	371-02302-176	371-02302-277	371-02302-372
YCAS0210E-58XF	371-02302-178	371-02302-278	371-02302-374
YCAS0230E-17XF	371-02302-158	371-02302-265	371-02302-378
YCAS0230E-28XF	371-02302-158	371-02302-265	371-02302-365
YCAS0230E-40XF	371-02302-175	371-02302-275	371-02302-363
YCAS0230E-46XF	371-02302-179	371-02302-259	

371-02302-252

Power Panel

		, ,	1			P	O\	N	EF	<b>?</b>	PA	N	EL	_ (	CC	)N	1P	Oi	١E	N'	TS	<b>)</b> -	Δ	۷C	R	0	SS	-1	Н	E-	LI	NE	<b>=</b>	ı	ı	1	1	
371-02302-15.	024-31644-000	024-31645-000		031-00808-000	025-34401-000	071-02600-000	024-30907-000	025-34455-000	025-34089-000	025-34408-000	025-34405-000	1	1							371-02302-161	024-31644-000	024-31644-000		1	031-00808-000	025-34401-000	071-02600-000	024-30907-000	025-34455-000	025-34089-000	025-34408-000	025-34408-000			1	-		
371-02302-154	024-31639-000	024-31639-000	1	031-00808-000	025-34401-000	071-02600-000	024-30907-000	025-34455-000	025-34089-000	025-34454-000	025-34454-000	******		Ļ	-		1			371-02302-160	024-31645-000	024-31645-000		l	031-00808-000	025-34401-000	071-02600-000	024-30907-000	025-34455-000	025-34089-000	025-34405-000	025-34405-000		1	•	1		manus.
371-02302-153	024-26577-000	024-26577-000	1	031-00808-000	025-34401-000	071-02600-000	024-30907-000	025-34455-000	025-34089-000	025-34408-000	025-34408-000			I	-		_			371-02302-159	024-31638-000	024-31638-000		1	031-00808-000	025-34401-000	071-02600-000	024-30907-000	025-34455-000	025-34089-000	025-34408-000	025-34408-000	1	1		1		1
37302-152	024-31642-000	024-31642-000	1	031-00808-000	025-34401-000	071-02600-000	024-30907-000	025-34455-000	025-34089-000	025-34408-000	025-34408-000	l		1		- Annual Contract of the Contr				371-02302-158	024-31645-000	024-31645-000	· · · · · · · · · · · · · · · · · · ·	-	031-00808-000	025-34401-000	071-02600-000	024-30907-000	025-34455-000	025-34089-000	025-34405-000	025-34405-000	ŀ		1	-		
371-02302-151	024-31643-000	024-31643-000		031-00808-000	025-34401-000	071-02600-000	024-30907-000	025-34455-000	025-34089-000	025-34405-000	025-34405-000	1	1	l			1			371-02302-157	024-31644-000	024-31644-000	-	-	031-00808-000	025-34401-000	071-02600-000	024-30907-000	025-34455-000	025-34089-000	025-34405-000	025-34405-000	Ì	-	-			]
371-02302-150	024-31644-000	024-31644-000	[	031-00808-000	025-34401-000	071-02600-000	024-30907-000	025-34455-000	025-34089-000	025-34408-000	025-34408-000	]	1	I	1		1			371-02302-156	024-31642-000	024-31638-000		1	031-00808-000	025-34401-000	071-02600-000	024-30907-000	025-34455-000	025-34089-000	025-34408-000	025-34405-000		-	-	j	-	
`ατΥ.	-	-	-	-	-	4	1	-	-	-	3	- ش	3	3	3	3	2	2		QTY.	-	1	1	1	-	4	-	1	1	-	3	3	3	3	3	3	2	2
DECOMPTION	Contactor	1	Contactor	-	Surge Suppressor	Lugs, Contactor	120V Harness	Motor Protector	Ground Lug	Ground Lug	Terminal Block		Circuit Breaker		NF Disconnect Switch		Operator Mech.	Sw. C/B Aux.2A/2B		DESCRIPTION	Contactor		Contactor	<b></b>	Surge Suppressor	Lugs, Contactor	120V Harness	Motor Protector	Ground Lug	Ground Lug	Terminal Block		Circuit Breaker		NF Disconnect Switch	1	Operator Mech.	Sw. C/B Aux.2A/2B
ITEM	1A		9		5	Ħ	2A	န္	4	'n	9		7		8		10	£		ITEM	14		18		10	布	2A	38	4	22	9	-	7		80		2	11

Contactor		371-02302-162	3/1-02302-163	3/1-02302-164	371-02302-103	3/1-02302-16/	371-02302-168
		024-31644-000	024-31642-000	024-26577-000	024-26577-000	024-26577-000	024-26577-000
1 1		024-31644-000	024-31642-000	024-26577-000	024-26577-000	024-31642-000	024-26577-000
1 1 4	_		I	-	1	1	-
1 4			-				
4		031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
		025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000
_		071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
_		024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
_		025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000
_		025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
3	_	025-34408-000	025-34408-000	025-34454-000	025-34454-000	025-34408-000	025-34454-000
က	_	025-34408-000	025-34408-000	025-34454-000	025-34454-000	025-34408-000	025-34454-000
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QTY.	۲.	371-02302-169	371-02302-170	371-02302-171	371-02302-172	371-02302-173	371-02302-174
1		024-31644-000	024-31644-000	024-31643-000	024-26577-000	024-31645-000	024-31643-000
7		024-31644-000	024-31644-000	024-31643-000	024-26577-000	024-31645-000	024-31643-000
-			Lancard	-	-	_	1
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_		031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
4		025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000
-		071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
_		024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
-		025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000
_		025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
3	~	025-34408-000	025-34408-000	025-34405-000	025-34408-000	025-34405-000	025-34405-000
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NF Disconnect Switch 3	~		1	1	1	1	1
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7	717 00000 710	217 00000 710		217 00000 710	074 00000 470	274 00000 000
ر ا	371-02302-175	371-02302-176	371 177	371-02302-178	371-02302-179	371-02302-250
024	024-31643-000	024-31638-000	024-37638-000	024-26577-000	024-31638-000	024-31644-000
024	024-31643-000	024-31638-000	024-31643-000	024-31642-000	024-31638-000	024-31644-000
		1			1	-
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031-	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
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	v. Contactor V Harness or Protector ound Lug ninal Block uit Breaker connect Switch rator Mech.	4	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
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	ound Lug ound Lug ound Lug ninal Block nit Breaker connect Switch rator Mech.		071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
	ound Lug ound Lug minal Block uit Breaker connect Switch rator Mech.		024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
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	DESCRIPTION	QTY.	371-02302-263	371-02302-264	371-02302-265	371-02302-266	371-02302-267	371-02302-268
	Contactor	_	024-31642-000	024-31644-000	024-31645-000	024-26577-000	024-31644-000	024-26577-000
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10 Opera	Operator Mech.	2	025-34417-000	025-34417-000	025-34413-000	025-34417-000	025-34413-000	025-34417-000
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371-02302-374	024-31638-000	024-31638-000			031-00808-000	025-34401-000	071-02600-000	024-30907-000	025-34455-000	025-34089-000	1	1	_	1	024-25565-000	024-25565-000	025-34417-000	024-31646-000		371-02302-380	024-26577-000	024-26577-000			031-00808-000	025-34401-000	071-02600-000	024-30907-000	025-34455-000	025-34089-000	1			1	024-31870-000	024-31870-000	025-34417-000	024-31646-000
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DESc TION	Contactor	<u>I</u>	Contactor		Surge Suppressor	Lugs, Contactor	120V Harness	Motor Protector	Ground Lug	Ground Lug	Terminal Block		Circuit Breaker		NF Disconnect Switch		Operator Mech.	Sw. C/B Aux.2A/2B		DESCRIPTION	Contactor		Contactor		Surge Suppressor	Lugs, Contactor	120V Harness	Motor Protector	Ground Lug	Ground Lug	Terminal Block		Circuit Breaker	L.,	NF Disconnect Switch		Operator Mech.	Sw. C/B Aux.2A/2B
ITEM	1A		<del>1</del>		5	Ħ	2A	3°	4	ນ	9		7	-	8		10	7		ITEM	1A		<b>8</b>		10	#	2A	38	4	5	9		7		œ		10	=

## POWER PANEL COMPONENTS - WYE-DELTA

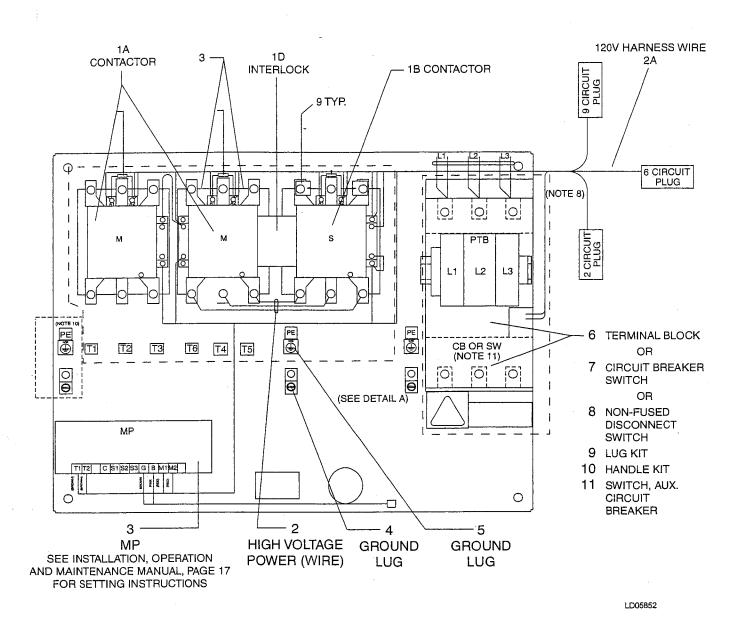


FIG. 22 - POWER PANEL COMPONENTS - WYE DELTA (REF. "POWER PANEL COMPONENTS - WYE DELTA" TABLE, PAGES 47 - 54)

## POWER PANEL IDENTIFIERS - WYE DELTA

TABLE 15 – POWER PANEL IDENTIFIERS (SELECT PANEL NUMBER BELOW, THEN REFER TO "POWER PANEL COMPONENTS - WYE DELTA" TABLE ON PAGES 48 - 54, AND FIG. 22, PAGE 46)

Model	Terminal Block	w/Separate Breakers System Circuit Switches	w/Separate System NF Disconnect
	Panel Number	Panel Number	Panel Number
YCAS0130E-17XF	371-02302-101	371-02302-223	371-02302-300
YCAS0130E-28XF	371-02302-123	371-02302-201	371-02302-323
YCAS0130E-40XF	371-02302-102	371-02302-202	371-02302-302
YCAS0130E-46XF	371-02302-103	371-02302-203	371-02302-303
YCAS0130E-58XF	371-02302-104	371-02302-204	371-02302-304
YCAS0140E-17XF	371-02302-105	371-02302-205	371-02302-305
YCAS0140E-28XF	371-02302-100	371-02302-200	371-02302-300
YCAS0140E-40XF	371-02302-106	371-02302-206	371-02302-306
YCAS0140E-46XF	371-02302-126	371-02302-203	371-02302-303
YCAS0140E-58XF	371-02302-107	371-02302-207	371-02302-307
YCAS0150E-17XF	371-02302-108	371-02302-208	371-02302-308
YCAS0150E-28XF	371-02302-127	371-02302-227	371-02302-329
YCAS0150E-40XF	371-02302-109	371-02302-209	371-02302-309
YCAS0150E-46XF	371-02302-102	371-02302-202	371-02302-325
YCAS0150E-58XF	371-02302-107	371-02302-224	371-02302-307
YCAS0160E-17XF	371-02302-110	371-02302-210	371-02302-310
YCAS0160E-28XF	371-02302-105	371-02302-205	371-02302-305
YCAS0160E-40XF	371-02302-101	371-02302-201	371-02302-301
YCAS0160E-46XF	371-02302-102	371-02302-202	371-02302-302
YCAS0160E-58XF	371-02302-107	371-02302-228	371-02302-307
YCAS0170E-17XF	371-02302-128	371-02302-210	371-02302-327
YCAS0170E-28XF	371-02302-125	371-02302-205	371-02302-305
YCAS0170E-40XF	371-02302-101	371-02302-201	371-02302-301
YCAS0170E-46XF	371-02302-111	371-02302-211	371-02302-311
YCAS0170E-58XF	371-02302-103	371-02302-203	371-02302-303
YCAS0180E-17XF	371-02302-110	371-02302-210	371-02302-328
YCAS0180E-28XF	371-02302-129	371-02302-205	371-02302-305
YCAS0180E-40XF	371-02302-101	371-02302-201	371-02302-301
YCAS0180E-46XF	371-02302-106	371-02302-206	371-02302-306
YCAS0180E-58XF	371-02302-103	371-02302-203	371-02302-303
YCAS0200E-17XF	371-02302-110	371-02302-210	371-02302-328
YCAS0200E-28XF	371-02302-110	371-02302-210	371-02302-310
YCAS0200E-40XF	371-02302-101	371-02302-201	371-02302-301
YCAS0200E-46XF	371-02302-101	371-02302-225	371-02302-301
YCAS0200E-58XF	371-02302-102	371-02302-202	371-02302-326
YCAS0210E-17XF	371-02302-110	371-02302-210	371-02302-328
YCAS0210E-28XF	371-02302-110	371-02302-210	371-02302-330
YCAS0210E-40XF	371-02302-101	371-02302-201	371-02302-330
YCAS0210E-46XF	371-02302-101	371-02302-226	371-02302-324
YCAS0210E-58XF	371-02302-102	371-02302-202	371-02302-301
YCAS0230E-17XF	371-02302-110	371-02302-210	371-02302-328
YCAS0230E-28XF	371-02302-110	371-02302-210	371-02302-328
YCAS0230E-40XF	371-02302-101	371-02302-201	371-02302-328
YCAS0230E-46XF	371-02302-101	371-02302-201	
YCAS0230E-58XF	371-02302-102	371-02302-201	371-02302-301 371-02302-302

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274 00000 400	37 1-02302-106	004-91039-000	024-31639-000	024-31602-000	024-31602-000	031-00808-000	024-31601-000	024-31601-000	025-34401-000	071-02600-000	Obtain Locally	024-30907-000	025-34455-000	025-34433-000	025-34069-000	025-34400-000	000-004-0-000				005-34417-000	000 1110 070		274 02202 442	3/1-02302-112	024-21044-000	024-31644-000	1		031-00808-000		000 34404 000	071-02600-000	Obtain Locally	024-30907-000	025 34466 000	025,34433-000	025-34008-000	025-34400-000	020-0440-000						
374 00200 405	024-34638 000	004 94899 000	024-31638-000	000-11607-470	074-7655/7-000	031-00808-000	024-31637-000	024-31637-000	025-34401-000	071-02600-000	Obtain Locally	024-30907-000	025-34455-000	025-34089-000	025-34408-000	025-34408-000					025-34413-000			371-02302-444	024-34603-000	024 34630 000	024 34603 000	024 34603 000	004-21002-000	031-00808-000	024-31601-000	025-34401-000	071-02600-000	Obtain Locally	024-30907-000	025-34455-000	025-34089-000	025-34408-000	025-34408-000					025-34417-000		
371-02302-104	024-31602-000	024-31602-000	024-31602-000	024-31030-000	024 00000 000	024 24604 000	024-31001-000	024-31601-000	025-34401-000	071-02600-000	Obtain Locally	024-30907-000	025-34455-000	025-34089-000	025-34454-000	025-34454-000					025-34417-000			371-02302-110	024-31643-000	024-31643-000	024-31642-000	024-31642-000	034 00800 000	024-31641-000	024-31641-000	025-34401-000	071-02600-000	Obtain Locally	024-30907-000	025-34455-000	025-34089-000	025-34405-000	025-34405-000					025-34413-000		
37, 103	بې نځ	9	024-31636-000	024-31636-000	031-00808-000	024-31601-000	004 54604 000	0024-31001-000	025-34401-000	071-02600-000	Obtain Locally	024-30907-000	025-34455-000	025-34089-000	025-34454-000	025-34454-000			-		025-34417-000	-		371-02302-109	024-31639-000	024-26577-000	024-26577-000	024-26577-000	031-00808-000	024-31601-000	024-31600-000	025-34401-000	071-02600-000	Obtain Locally	024-30907-000	025-34455-000	025-34089-000	025-34408-000	025-34405-000	ļ		]		025-34417-000		
371-02302-102	024-31603-000	024-31603-000	024-31602-000	024-31602-000	031-00808-000	024-31601-000	024-34604 000	005 54404 000	023-34401-000	0/1-02600-000	Obtain Locally	024-30907-000	025-34455-000	025-34089-000	025-34408-000	025-34408-000	Management	1	-	J	025-34417-000			371-02302-108	024-31638-000	024-31643-000	024-26577-000	024-31642-000	031-00808-000	024-31637-000	024-31641-000	025-34401-000	071-02600-000	Obtain Locally	024-30907-000	025-34455-000	025-34089-000	025-34408-000	025-34405-000		1			025-34413-000		
371-02302-101	024-26577-000	024-26577-000	024-26577-000	024-26577-000	031-00808-000	024-31600-000	024-31600-000	025-34404-000	024 00000 000	0/1-0/2000-000	Obtain Locally	024-30907-000	025-34455-000	025-34089-000	025-34405-000	025-34405-000					025-34417-000			371-02302-107	024-31640-000	024-31640-000	024-31636-000	024-31636-000	031-00808-000	024-31601-000	024-31601-000	025-34401-000	071-02600-000	Obtain Locally	024-30907-000	025-34455-000	025-34089-000	025-34454-000	025-34454-000	1		1		025-34417-000		
QTY.	က္	3	က	3	-	3		4	+	- ,	-			+	n	3			_	1	2	2		QTY.	3	3	3	3	1	3		4	-	_	-		1	3	3			-	+	2	2	
7	ٽِ ٽ		Contactor		Surge Suppressor	Mech Interlock		Luas Contactor	120V Hamore	High Voltage Dames Miss	rigii voltage Power wire	Motor Protector	Ground Lug	Ground Lug	Terminal Block		Circuit Breaker		NF Disc Switch		Operator Mech.	Sw. C/B Aux.2A/2B		DESCRIPTION	Contactor		Contactor		Surge Suppressor	Mech Interlock		Lugs, Contactor	120V Harness	High Voltage Power Wire	Motor Protector	Ground Lug	Ground Lug	Terminal Block		Circuit Breaker		NF Disc Switch		Operator Mech.	Sw. C/B Aux.2A/2B	
ITEM	14		18		10	9		1	2.4	ac	97	35	4	22	9		7		ω.		10	7		ITEM	₹		<u>⊕</u>		10	5	!	<b>#</b>	+	$\pm$	se.	4	2	9		7		æ		9	=	

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	DESCRIPTION	1	=00.00			21. 10010	171-70570-176	11.10010
<b>الا</b>	Contactor	က	024-31642-000	024-26577-000	024-26577-000	024-31645-000	024-31638-000	024-31638-000
		က	024-31642-000	024-26577-000	024-31642-000	024-31645-000	024-31638-000	024-31643-000
8	Contactor	3		-				
		3		ļ			1	***************************************
10	Surge Suppressor	1	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
5	Mech Interlock	3	1	-				_
				_	1			
Ħ	Lugs, Contactor	4	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000
2A	120V Harness	-	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
2B	High Voltage Power Wire	1	Obtain Locally	Obtain Locally	Obtain Locally	Obtain Locally	Obtain Locally	Obtain Locally
38	Motor Protector	-	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	_	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000
·C	Ground Lug	-	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
9	Terminal Block	8	025-34408-000	025-34408-000	025-34408-000	025-34405-000	025-34405-000	025-34405-000
		3	025-34408-000	025-34408-000	025-34408-000	025-34405-000	025-34405-000	025-34405-000
7	Circuit Breaker		1	1	ì			***************************************
			1					
	NF Disc Switch	1	1			Paradona Control Contr		-
		-						
10	Operator Mech.	2	1			]		
+	Sw. C/B Aux.2A/2B	2						
ITEM	DESCRIPTION	QTY.	371-02302-123	371-02302-125	371-02302-126	371-02302-127	371-02302-128	371-02302-129
1A	Contactor	3	024-26577-000	024-31638-000	024-31603-000	024-31642-000	024-31643-000	024-31638-000
		3	024-26577-000	024-31638-000	024-31603-000	024-31638-000	024-31643-000	024-31638-000
<del>8</del>	Contactor	3	024-26577-000	024-26577-000	024-31636-000	024-26577-000	024-31642-000	024-26577-000
		3	024-26577-000	024-26577-000	024-31636-000	024-26577-000	024-31642-000	024-26577-000
10	Surge Suppressor	_	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
<del>_</del>	Mech Interlock	3	024-31600-000	024-31637-000	024-31601-000	024-31637-000	024-31641-000	024-31637-000
			024-31600-000	024-31637-000	024-31601-000	024-31637-000	024-31641-000	024-31637-000
#	Lugs, Contactor	4	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000
2A	120V Harness	-	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
2B	High Voltage Power Wire	1	Obtain Locally	Obtain Locally	Obtain Locally	Obtain Locally	Obtain Locally	Obtain Locally
38	Motor Protector	-	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug		025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000
-	Ground Lug	-	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
9	Terminal Block	3	025-34408-000	025-34408-000	025-34454-000	025-34408-000	025-34405-000	025-34405-000
		3	025-34408-000	025-34454-000	025-34454-000	025-34408-000	025-34405-000	025-34405-000
_	Circuit Breaker				-	1		
				-		autora .		
80	NF Disc Switch	-			TB-ASY- UKH95	TB-ASY-YK2UKH150	1	-
+		-	1		025-34403-000	025-34403-000		
10	Operator Mech.	2	1	025-34417-000.	025-34417-000	025-34413-000	025-34417-000	. 1
	_							

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ITEM	DE, JN	QTY.	371-02302-200	371-02302-201	371 202	371-02302-203	371-02302-204	371-02302-205
4	Contactor	3	024-31642-000	024-26577-000	024-31au3-000	024-31603-000	024-31602-000	024-31638-000
		3	024-31642-000	024-26577-000	024-31603-000	024-31603-000	024-31602-000	024-31638-000
<del>1</del> B	Contactor	3	024-26577-000	-	024-31602-000	024-31636-000	024-31636-000	024-26577-000
		3	024-26577-000	_	024-31602-000	024-31636-000	024-31636-000	024-26577-000
10	Surge Suppressor	1	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
<b>£</b>	Mech Interlock	က	024-31637-000	024-31600-000	024-31601-000	024-31601-000	024-31601-000	024-31637-000
			024-31637-000	024-31600-000	024-31601-000	024-31601-000	024-31601-000	024-31637-000
h h	Lugs, Contactor	4	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000
2A	120V Harness	-	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
2B	High Voltage Power Wire	-	Obtain Locally	Obtain Locally	Obtain Locally	Obtain Locally	Obtain Locally	Obtain Locally
38	Motor Protector	_	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lio	_	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000
<u>ر</u>	Ground Lin	-	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
c	Terminal Block		l	_		I	-	1
		ď						
	Circuit Breaker	2	025-34424-000	025-34424-000	025-34419-000	025-34419-000	024-31649-000	025-34425-000
	Olicali Dicayo		025-34424-000	025-34424-000	025-34419-000	025-34419-000	024-31649-000	025-34425-000
α	NF Disc Switch	-	025-34424-000	025-34424-000				
,		-		1	1			
5	Operator Mech	,	025-34417-000	025-34417-000	025-34417-000	025-34417-000	025-34417-000	025-34413-000
= =	Sw C/B Aliv 24/2B	, ,	024-31646-000	024-31646-000	024-31646-000	024-31646-000	024-31646-000	024-31648-000
-   		i:						
ITEM	DESCRIPTION	QTY.	371-02302-206	371-02302-207	371-02302-208	371-02302-210	371-02302-211	371-02302-212
41	Contactor	3	024-31639-000	024-31640-000	024-31638-000	024-31643-000	024-31603-000	024-31644-000
		3	024-31639-000	024-31640-000	024-31643-000	024-31643-000	024-31639-000	024-31644-000
18	Contactor	က	024-31602-000	024-31636-000	024-26577-000	024-31642-000	024-31602-000	
		3	024-31602-000	024-31636-000	024-31642-000	024-31642-000	024-31602-000	1
10	Surge Suppressor	-	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
<b>.</b>	Mech Interlock	3	024-31601-000	024-31601-000	024-31637-000	024-31641-000	024-31601-000	]
			024-31601-000	024-31601-000	024-31641-000	024-31641-000	024-31601-000	
申	Lugs, Contactor	4	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000
2A	120V Harness	-	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
28	High Voltage Power Wire	_	Obtain Locally	Obtain Locally	Obtain Locally	Obtain Locally	Obtain Locally	Obtain Locally
38	Motor Protector	-	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	1	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000
5	Ground Lug		025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
9	Terminal Block	က	1	1	1	.1		1
		3	-		1		ł	1
7	Circuit Breaker		025-34419-000	024-31649-000	025-34425-000	025-34425-000	025-34419-000	025-34425-000
			025-34419-000	024-31649-000	025-34425-000	025-34425-000	025-34419-000	025-34425-000
<b>&amp;</b>	NF Disc Switch	-						
$\dagger$		-	1					
10	Operator Mech.	2	025-34417-000	025-34417-000	025-34413-000	025-34413-000	025-34417-000	025-34413-000
_ <del>-</del>	Sw C/R Any 24/2R	2	024-31646-000	024-31646-000	024-31648-000	024-31648-000	024-31646-000	004-31648-000

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						777-700-10	
Contactor	3	024-31643-000	024-31642-000	024-26577-000	024-31645-000	024-31638-000	024-31642-000
	က	024-31643-000	024-31642-000	024-31642-000	024-31645-000	024-31643-000	024-31642-000
Contactor	33			-	1		024-26577-000
	က		1	1	1	1	024-26577-000
Surge Suppressor	_	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
Mech Interlock	3			1	ı		024-31637-000
							024-31637-000
Contactor	4	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000
120V Harness	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
High Voltage Power Wire	-	Obtain Locally	Obtain Locally	Obtain Locally	Obtain Locally	Obtain Locally	Obtain Locally
Motor Protector	-	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
Ground Lua	-	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	024-30307-000
20 - 100 P		005-34080-000	005-34080-000	035 34080 000	000 04000 000	025-24450-000	020-04403-000
Terminal Block				000-000-	000-000-070	000-600+0-070	073-34008-000
200	0 0						
Brooker	7	005-34424-000	005-34419-000	005-34419-000	005 34425 000	005 24424 000	000 70777 000
Ollicult Dieanel		025-31124-000	025 34419 000	025 34410-000	000-034453-000	025-34424-000	022-34424-000
ME Dice Custob		000-47440-070	000-61 440-020	070-24413-000	072-24472-000	072-34424-000	025-34424-000
- OWIGII							
							]
Operator Mech.	2	025-34417-000	025-34417-000	025-34417-000	025-34417-000	025-34417-000	025-34417-000
Sw. C/B Aux.2A/2B	2	024-31646-000	024-31646-000	024-31646-000	024-31648-000	024-31646-000	024-31646-000
DESCRIPTION	QTY.	371-02302-224	371-02302-225	371-02302-226	371-02302-227	371-02302-228	371-02302-229
Contactor	3	024-31640-000	024-26577-000	024-26577-000	024-31642-000	024-31640-000	024-31643-000
	3	024-31640-000	024-26577-000	024-26577-000	024-31638-000	024-31640-000	024-31643-000
Contactor	3	024-31636-000			024-26577-000	024-31636-000	024-31642-000
<b>L</b>	3	024-31636-000			024-26577-000	024-31636-000	024-31642-000
Surge Suppressor	1	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
Mech Interlock	3	024-31601-000	024-31600-000	024-31600-000	024-31637-000	024-31601-000	024-31641-000
<u> </u>		024-31601-000	024-31600-000	024-31600-000	024-31637-000	024-31601-000	024-31641-000
Lugs, Contactor	4	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000
120V Harness	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
High Voltage Power Wire	-	Obtain Locally	Obtain Locally	Obtain Locally	Obtain Locally	Obtain Locally	Obtain Locally
Motor Protector	1	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
Ground Lua		025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000
Ground Lug	1	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
Terminal Block	3	1					
	3	1	1		1		
Circuit Breaker		025-34419-000	025-34419-000	025-34419-000	025-34424-000	025-34419-000	025-34425-000
<b>I</b> .		024-31649-000	025-34419-000	025-34424-000	025-34425-000	025-34419-000	025-34425-000
NF Disc Switch	1	J	1	1	1	1	
	_	]	[		-		
Operator Mech.	2	025-34417-000	025-34417-000	025-34417-000	025-34417-000	025-34417-000	025-34413-000
							00000000000

	.				ł	ı	P	<b>O</b> '	W	/E	R		<b>)</b> 	11	4 E		. (	C(	0	VI	P(	) 	V	E7	TN	S	. =	. <b>\</b>		Y E	<b>E</b> -!	D	EL	.T.	A	(4	C(	O	N"	<b>,</b>	D	)	1	1	,	ı	
274 00000 00	3/1-02302-302	024-31603-000	024-31603-000	024-31602-000	024-31602-000	031-00808-000	024-31601-000	024-31601-000	025 24404 000	023-34401-000	000-00970-170	Obtain Locally	024-30907-000	025-34455-000	025-34089-000	J	1			024-25575 000	004 25525 000	025 24417 000	023-34417-000	024-31646-000		371-02302-308	024-31638-000	024-31643-000	024-26577-000	024-31642-000	031-00808-000	024-31637-000	024-31641-000	025-34401-000	071-02600-000	Obtain Locally	024-30907-000	025-34455-000	025-34089-000					024-25564-000	024-25564 000	025-34417-000	024-31646-000
374 00300 204	004 26522 000	000-1/202-470	024-26577-000			031-00808-000	024-31600-000	024-31600-000	025-34401-000	071.02600.000	000-000-000	Oblain Locally	024-30907-000	025-34455-000	025-34089-000	-				024-25575-000	024-25575-000	025-34417-000	004 24646 000	024-31646-000	274 00200 007	37 1-02302-307	024-31640-000	024-31640-000	024-31636-000	024-31636-000	031-00808-000	024-31601-000	024-31601-000	025-34401-000	0/1-02600-000	Obtain Locally	024-30907-000	025-34455-000	025-34089-000		1			024-25575-000	024-25575-000	025-34417-000	024-31646-000
371-02302-300	024-31642-000	004 24642 000	024-3164Z-000	024-26577-000	024-26577-000	031-00808-000	024-31637-000	024-31637-000	025-34401-000	071-02600-000	Ohtain Locally	Opt poppa ppp	024-30907-000	025-34455-000	025-34089-000	1		ı		024-25564-000	024-25564-000	025-34417-000	024-31646.000	000-04010-470	371-02302-306	007 34630 000	004 24020 000	024-31639-000	024-31002-000	024-21002-000	034 34604 000	004-01001-000	024-31601-000	023-34401-000	07 1-02000-000	Opt popper and	024-30907-000	025-34455-000	025-34089-000	-		ļ		024-25575-000	024-25575-000	025-34417-000	024-31646-000
3, 32-232	4-316	024-34643-000	004-01049-000	024-31642-000	024-31642-000	031-00808-000	024-31641-000	024-31641-000	025-34401-000	071-02600-000	Obtain Locally	024-30007 000	025-30307-000	025-34455-000	025-34089-000			025-34473-000	025-34473-000	ı		025-34413-000	024-31648-000		371-02302-305	024-31638-000	024-34638 000	024-31636-600	024-26577-000	031-00808-000	024-31637-000	024 24627 000	025 34404 000	071-03600 000	Obtain Locally	024 20007 000	024-30907-000	025-34455-000	025-34089-000		-	-	1	024-25564-000	024-25564-000	025-34417-000	024-31646-000
371-02302-231	024-31643-000	024-31643-000	000 04040 000	024-31042-000	024-31642-000	031-00808-000	024-31641-000	024-31641-000	025-34401-000	071-02600-000	Obtain Locally	024-30907-000	025-34455 000	000-04400-000	072-34088-000		1	025-34425-000	025-34473-000			025-34413-000	024-31648-000		371-02302-304	024-31602-000	024-31602-000	024-31636-000	024-31636-000	031-00808-000	024-31601-000	024-31601-000	025-34401-000	071-02600-000	Obtain Locally	024-30907-000	025 34455 000	000-0046-000	023-34009-000					024-25575-000	024-25575-000	025-34417-000	024-31646-000
371-02302-230	024-31642-000	024-31642-000	000-28577-000	027 2627 700	004-20077-000	031-00808-000	024-31637-000	024-31637-000	025-34401-000	071-02600-000	Obtain Locally	024-30907-000	025-34455-000	025 34080 000	000-80040-070			025-34425-000	025-34425-000	1		025-34413-000	024-31648-000		371-02302-303	024-31603-000	024-31603-000	024-31636-000	024-31636-000	031-00808-000	024-31601-000	024-31601-000	025-34401-000	071-02600-000	Obtain Locally	024-30907-000	025-34455-000	005 34080 000	000-000-070		]			024-25575-000	024-25575-000	025-34417-000	024-31646-000
QTY.	3	3	6	0 6	7	-   ,	3		4	-	1	-	_	,	,	3	3			-	+	2	2		QTY.	3	3	3	3	-	က		4	-	_	-	-	\ \ \		7 (				-	+	2	2
NOIL	Cvdctor		Contactor		Surge Suppressor	Moch latering	Medi Illeriock	-	Lugs, Contactor	120V Harness	High Voltage Power Wire	Motor Protector	Ground Lin	St. L build	Terminal Diagram	leililliai biock		Circuit Breaker		NF Disc Switch		Operator Mech.	Sw. C/B Aux.2A/2B		DESCRIPTION	Contactor		Contactor	. !	Surge Suppressor	Mech Interlock		Lugs, Contactor	120V Harness	High Voltage Power Wire	Motor Protector	Ground Line	See Located	Torminal Block	I Similar Diock		Circuit Breaker		NF Disc Switch		Operator Mech.	Sw. C/B Aux.2A/2B
ITEM	14		18		1	Ę	2	Ļ	빌	2A	<b>7</b> B	38	4	L.		>		_		∞		9	±		TEM	٦ ح		18		5	5		#	2A	2B	38	4	ıc	9	-		•	1,	<b>∞</b>		10	=

	ı	i	ı	1		ı		C	V	VI	= F	₹.	P	Δ,	N	E	L	C	C	N	1F	PC	) <b>[</b>	۱E	N.	TS	<b>S</b> .	-	V	V	Y E		٦E	ΞL	Т.	Ą	((	C	O.	N.	T,	D	)					
374 00200 205	371-02302-325	024-31603-000	024-31603-000	024-31636-000	024-31602-000	031-00808-000	024-31601-000	024-31601-000	025-34404-000	027 03600 000	0/ 1-02000-000	Optain Locally	024-30907-000	025-34455-000	025-34089-000	1							025-34417-000	024-31646-000		3/1-02302-331	024-31603-000	024-31603-000	024-31636-000	024-31636-000	031-00808-000	024-31637-000	024-31641-000	025-34401-000	071-02600-000	Obtain Locally	024 30007 000	024-30907-000	072-34455-000	025-34089-000		1	1		024-31870-000	024-31870-000	025-34417-000	024-31646-000
371,02302,324	000 25520	024-265/7-000	024-265/7-000	024-26577-000	024-26577-000	031-00808-000	024-31600-000	024-31600-000	025-34401-000	071-02600 000	Obtain Locally	Obtain Locally	024-30907-000	025-34455-000	025-34089-000					024_25564_000	0071-2004-000	025 2447 000	023-34417-000		074 00000 000	37 1-02302-330	024-31643-000	024-31643-000	024-31642-000	024-31642-000	031-00808-000	024-31641-000	024-31641-000	025-34401-000	071-02600-000	Obtain Locally	024-30907-000	025-34455-000	000-04400-000	025-34089-000			1		024-25564-000	024-25563-000	025-34417-000	024-31646-000
371-02302-323	004-26577 000	007 78577 000	007-1-2031	074-265/7-000	024-26577-000	031-00808-000	024-31600-000	024-31600-000	025-34401-000	071-02600-000	Obtain Locally	024 20007 000	024-30907-000	023-34433-000	025-34089-000			]		024-25564-000	004 25564 000	025-3304-000	000-11-1-020		374 00300 220	000 00000000000	024-31042-000	024-31638-000	024-26577-000	024-26577-000	031-00808-000	024-31637-000	024-31637-000	025-34401-000	071-02600-000	Obtain Locally	024-30907-000	025-34455-000	025 34080 000	04009-000			-		024-25564-000	024-25564-000	025-34417-000	024-31646-000
371-6, 22-311	110	024-31639-000	024 24602 000	024-51002-000	024-31602-000	031-00808-000	024-31601-000	024-31601-000	025-34401-000	071-02600-000	Obtain Locally	000 30007 000	005 34455 000	000-55445-020	075-34089-000	1						005-34417-000	034 346 46 000	024-31646-000	371-02302.328	024-31643-000	004-01040-000	024-31043-000	024-31642-000	024-31642-000	031-00808-000	024-31641-000	024-31641-000	025-34401-000	071-02600-000	Obtain Locally	024-30907-000	025-34455-000	025-34089-000	000-000-000				77744	024-25563-000	024-25563-000	025-34413-000	024-31648-000
371-02302-310	024-31643-000	024-31643-000	024 34642 000	004 34642 000	007-21042-000	031-00808-000	024-31641-000	024-31641-000	025-34401-000	071-02600-000	Obtain Locally	004-30907-000	025-34455-000	005 04000 000	072-34089-000		]			024-25564-000	024-25564-000	025-34417-000	000 31646 000	000-04010-450	371-02302-327	024-31643-000	024 34643 000	007-01040-000	024-31642-000	024-31642-000	031-00808-000	024-31641-000	024-31641-000	025-34401-000	071-02600-000	Obtain Locally	024-30907-000	025-34455-000	025-34089-000						024-25564-000	024-25563-000	025-34417-000	024-31646-000
371-02302-309	024-31639-000	024-26577-000	024-31602-000	024-31642-000	024-21042-000	031-00808-000	024-31601-000	024-31600-000	025-34401-000	071-02600-000	Obtain Locally	024-30907-000	025-34455-000	006 34000 000	072-34008-000		]		-			025-34417-000			371-02302-326	024-31603-000	024-31603-000	004 04000 000	024-31602-000	024-31602-000	031-00808-000	024-31601-000	024-31601-000	025-34401-000	071-02600-000	Obtain Locally	024-30907-000	025-34455-000	025-34089-000								025-34417-000	024-31646-000
QTY.	3	3	6.	3	7	- -	3		4	-	-	-			,	3	3			-		2	C	7	QTY.	3	6.	0 0	2 (	ຄ	-	3		4	-	-	-	-	7-	c.	0 00	,			-	+	2	2
DES ,ON	Contactor		Contactor		Surge Suppressor	lossalidad adino	Mech Interlock		Lugs, Contactor	120V Harness	High Voltage Power Wire	Motor Protector	Ground Lua		On Tourious	lerminal Block		Circuit Breaker		NF Disc Switch		Operator Mech.	Sw C/B Ally 24/2B	OW. OID DUN.EASED	DESCRIPTION	Contactor	1	Contactor	Collidation		Surge Suppressor	Mech Interlock		Lugs, Contactor	120V Harness	High Voltage Power Wire	Motor Protector	Ground Lug	Ground Luo	Terminal Block		Circuit Drooter	Circuit preaker		NF Disc Switch		Operator Mech.	Sw. C/B Aux.2A/2B
ITEM	14		1B		10	2 6			Ħ	ZA	2B	38	4	ц	. 9			7		80		10	11		ITEM	14		4	<u> </u>	,	ט נ	2	+	<u></u>	+	+	38	4	2	9		7	-	•	<b>x</b> 0	;	10	-

## Power Pan

## POWER PANEL COMPONENTS - WYE-DELTA (CONT'D)

ITEM	DF IN	QTY	371-02302-333	371-02302-334	371 335
14	Contanior	3	024-31638-000	024-31603-000	024-31603-000
		3	024-31643-000	024-31603-000	024-31603-000
18	Contactor	3	024-31636-000	024-31602-000	024-31602-000
		3	024-31602-000	024-31602-000	024-31636-000
10	Surge Suppressor	1	031-00808-000	031-00808-000	031-00808-000
10	Mech Interlock	3	024-31601-000	024-31601-000	024-31601-000
			024-31601-000	024-31601-000	024-31601-000
爿	Lugs, Contactor	4	025-34401-000	025-34401-000	025-34401-000
2A	120V Harness	1	071-02600-000	071-02600-000	071-02600-000
2B	High Voltage Power Wire	1	Obtain Locally	Obtain Locally	Obtain Locally
3°S	Motor Protector	1	024-30907-000	024-30907-000	024-30907-000
4	Ground Lua	1	025-34455-000	025-34455-000	025-34455-000
2	Ground Lug	1	025-34089-000	025-34089-000	025-34089-000
. <b>9</b>	Terminal Block	3		_	
		3		-	
7	Circuit Breaker		1	-	-
				1	1
80	NF Disc Switch	-	024-25575-000	1	024-31870-000
		1	024-25575-000		024-31870-000
9	Operator Mech.	2	025-34417-000	025-34417-000	025-34417-000
£	Sw. C/B Aux.2A/2B	2	024-31646-000	024-31646-000	024-31646-000

## Power Pan

## LUG KITS (SERVICE AID)

TABLE 16 - STARTER PANEL COMPONENTS - LUG KITS

LUG KIT (SET OF	,	LUG KIT (SET OF	3)	
without CONTROL PO	WER TAP	with CONTROL PO	WER TAP	WIRE RANGE
YORK PART#	CAT#	YORK PART#	CAT#	
025-34478-000	K4TB		K4TBC	#14-1/0 AWG
CB-0291	N410	<del></del>	K41BC	2.5-50 mm2
025-34479-000	K4TC		KATOO	#2-4/0 AWG
CB-292	K41C	<del></del>	K4TCC	35-95 mm2
025-34480-000	K4TD		KATDO	#4 AVA/C 200kama
CB-0293	K41D		K4TDC	25-150 mm2
025-34478-000	K4TB		KATDO	#14 - 1/0 AWG
023-34476-000	N41D		K4TBC	2.5-50 mm2
025-34479-000	K4TC		KATCC	#2 - 4/0 AWG
	K41C		K4TCC	35 - 95 mm2
025-34480-000	K4TD		K4TDC	#4AWG - 300 kcm
	K410		KAIDC	25 - 150 mm2
025-34418-000	K4TE	024-31650-000	K4TEC	#6 AWG - 350 kcm
CB-0294	1771	CB-0562	KAIEC	16 - 150 mm2
025-34480-000	K4TD		K4TDC	#4 AWG - 300 kcm
	1110		NATOC	25 - 150 mm2
025-34481-000	K5TF	024-31651-000	K5TFC	250-500 kcm
C3-0295	1.011	CB-0563	Kon C	120-240mm2
025-34420-000	K5TG	024-31652-000	K5TGC	(2)3/0 AWG-250 kcm
CB-0296	1.010	CB-0564	Kordo	(2) 95 - 120 mm2
025-34414-000	K6TH	024-31653-000	К6ТНС	(2) 250-500 kcm
CB-0297		CB-0565	1.0111.0	(2) 120 - 240 mm2
025-34415-000	K6TJ	024-31654-000	K6TJC	(3)2/0 AWG-400 kcm
CB-0298	1.010	CB-0566	KOTOC	(2) 70 - 185 mm2
025-34414-000	К6ТН	024-31653-000	K6THC	(2) 250-500 kcm
			101110	(2) 120 - 240 mm2
025-34415-000	K6TJ	024-31654-000	K6TJC	(3)2/0 AWG-400 kcm
			110700	(2) 70 - 185 mm2
025-34412-000	K7TK	024-31655-000	К7ТКС	(4)4/0 AWG-500 kcm
CB-0299		CB-0567		(4) 95 - 240 mm2

## 4 FAN CONTACTOR PANEL (All other Contactor Panels similar)

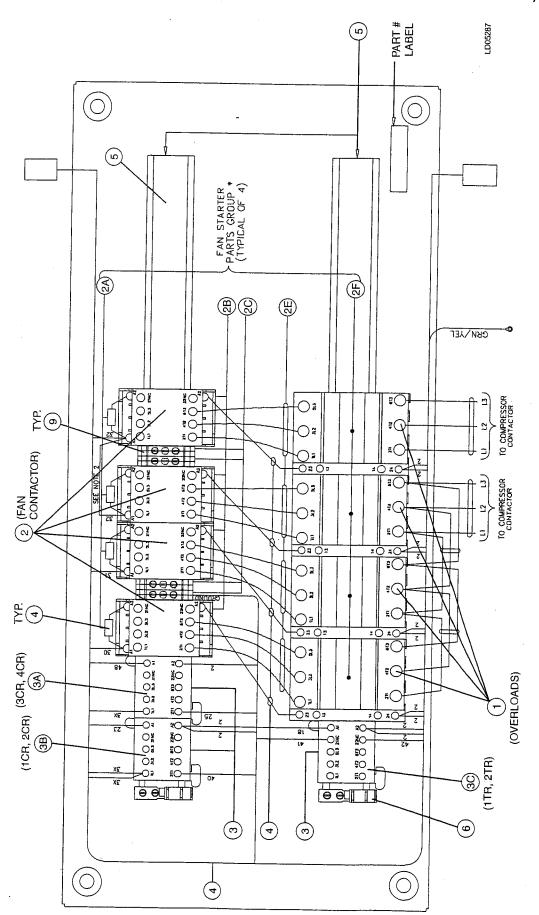


FIG. 23 – 4 FAN CONTACTOR PANEL (REF. TABLE 17, PAGE 57)



## Power Pane

## 4 FAN CONTACTOR PANEL COMPONENTS (CONT'D) (All other contactor panels similar)

TABLE 17 - 4 FAN CONTACTOR PANEL COMPONENTS - YCAS F (SEE FIG. 23, PAGE 56)

ITEM	LEGEND	DESCRIPTION	YORK PART NO.	QTY*
1	9 OL -	6.3 A OVERLOAD	025-34449-000	4
1	20 OL	9.0 A OVERLOAD	025-34446-000	4
2	9M -	FAN CONTACTOR 380-575V	025-34448-000	4
2	20M	FAN CONTACTOR 200-230V	025-34445-000	4
3A	3, 4CR	COMP HTR RELAY	024-31635-000	1
3B	1, 2CR	COMP RUN RELAY	024-31635-000	<del>'</del> -
3C	1, 2TR	Y-D TRANSITION RELAY	024-31635-000	1
4		SURGE SUPPRESSOR	031-00808-000	4
5		DIN RAIL SLOTTED	025-29167-000	0.5
6		END CLAMP	025-34439-000	$\frac{-3.6}{2}$
7		14AWG BLK 600V 1		- <del>-</del>
8		FAN PNL PWR-WIRE		$-\frac{3}{3}$
9		PH TERM USLKG2.5	025-34447-000	<del>-</del> 4

<sup>\*</sup> Note: 4 Fan Panel Assembly is shown. Adjust quantities for 3, 5 and 6 fan assemblies as needed.

## OPTION AND POWER PANEL CONFIGURATIONS

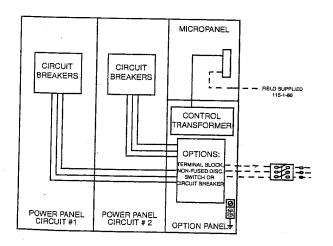
Power panels and option panels are offered in several configurations using three (3) major components:

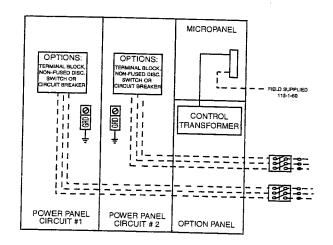
- 1. TERMINAL BLOCKS -
- 2. CIRCUIT BREAKER SWITCH-
- 3. NF (Non Fused) DISCONNECT SWITCH -

The most basic chiller power wiring configuration uses terminal blocks in the power panel, and an option panel with no power wire termination hardware. See figures below. The model number pin number locations 16 and 17 would be X and X to reflect this basic combination. Identify pin number locations 16 and 17 to identify the chiller power wiring connections and hardware listed below.

PIN 16 & 17 LETTER CODE IDENTIFIERS	POWER PANEL AND OPTION PANEL CONFIGURATION
X X	Terminal Blocks for each system in power panel; no options in option panel
M D	NF disconnect switch for each system in power panel; no options in option panel
М В	Circuit Breaker switch for each system in power panel; no options in option panel
S B	Circuit Breaker switch for each system in power panel; SP terminal block in option panel
D B	Circuit Breaker switch for each system in power panel, SP NET III
S S	Circuit Breaker switch for each system in power panel; SP NIF disc switch in option panel
C S	NF disconnect switch for each system in power panel; SP terminal block in option panel  NF disconnect switch for each system in power panel; SP circuit breaker in option panel

## Examples of power wiring configurations:





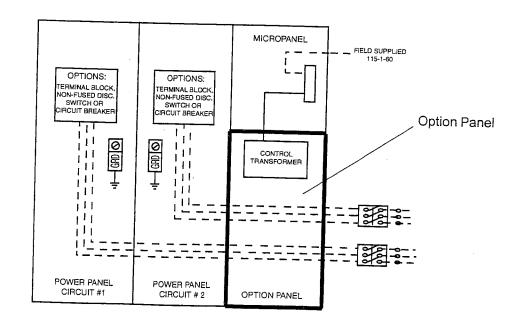
LD06254



## OPTION PANEL IDENTIFIERS

TABLE 18 – OPTION PANEL IDENTIFIERS (SELECT OPTION PANEL NUMBER BELOW, THEN REFER TO TABLE 19 ON PAGE 60, AND FIGS. 26 AND 27, PAGES 61 AND 62)

Model	Code	Terminal Block	Qty.	NF Disc. Switch	Qty.	Circuit D	
	40	371-02700-245	1	371-02700-264	Gay.	Circuit Breaker	Qty
YCAS130	46	371-02700-208	1	371-02700-226	1	371-02700-254	1
	58	371-02700-209	1	371-02700-228	<del>                                     </del>	371-02700-250	1
	40	371-02700-245	1	371-02700-264	1 1	371-02700-251	1
YCAS140	46	371-02700-206	1	371-02700-264	1 1	371-02700-254	1
	58	371-02700-209	1	371-02700-228	1	371-02700-250	11_
	40	371-02700-246	1	371-02700-228	1	371-02700-251	1
YCAS150	46	371-02700-206	1	<del></del>	1	371-02700-255	1
	58	371-02700-209	1	371-02700-226	1	371-02700-250	1
	40	371-02700-246	1	371-02700-227	11	371-02700-251	1
YCAS160	46	371-02700-246	<u> </u>	371-02700-275	1	371-02700-255	1
	58	371-02700-209	1	371-02700-226	1	371-02700-250	1
	40	371-02700-209	1	371-02700-227	1	371-02700-251	1
YCAS170	46		1	371-02700-275	1	371-02700-255	1
	58	371-02700-206	1	371-02700-226	1	371-02700-250	1
	40	371-02700-209	1	371-02700-227	1	371-02700-251	1
YCAS180	46	371-02700-246	1	371-02700-275	1	371-02700-255	1
1040100		371-02700-206	1	371-02700-226	1	371-02700-250	<del></del>
	58	371-02700-207	1	371-02700-227	1	371-02700-251	<u>-</u>
YCAS200	40	371-02700-246	1	371-02700-275	1	371-02700-255	1
1CA5200	46	371-02700-204	1	371-02700-226	1	371-02700-253	1
	58	371-02700-207	1	371-02700-227	1	371-02700-251	<u>_</u>
VO 4 0040	40	371-02700-246	1	371-02700-275	1	371-02700-255	<del>- '</del> -
YCAS210	46	371-02700-204	1	371-02700-224	1	371-02700-253	- <u>-</u>
	58	371-02700-207	1	371-02700-227	1	371-02700-251	
<b>/</b>	40	371-02700-246	1	371-02700-275	1	371-02700-255	
CAS230	46	371-02700-204	1	371-02700-224	1	371-02700-253	1
	58	371-02700-207	1	371-02700-227	1	371-02700-253	1



LD06255



# OPTION PANEL C APONENTS

TABLE 19 - OPTIONS PANEL COMPONENTS (SEE FIGS. 26 AND 27, PAGES 61 AND 62)

ITEM	DESCRIPTION	OLIANTITY	274 00700 004	274 00700 000		1					
		COAN III		3/1-02/00-206	371-02700-207	371-02700-208	371-02700-209	371-02700-224	371-02700-226 371-02700-227 371-02700-228	371-02700-227	371-02700-228
4 <b>A</b>			See Fig. 26	See Fig. 26	See Fig. 26	See Fig. 26	See Fig. 26	See Fin 27	See Fig. 27	000 [12 07	20012
	Terminal Block	က	025-34405-000	025-34408-000	025-34408-000	025-34405-000	025 34405 000	3 .6.	256 1 lg. 21	OBE FIG. 21	See Fig. 2/
	NE Disconnect Switch	-				000 00110 000	070-0440-000				
	Tiscollifed Owlfor	-						024-25563-000	024-25564-000	024-25564-000 024-25565-000	024-25565-000
	Circuit Breaker	_		1							22002-000
<del>4</del> B	Handle Kit	1		-							
7	1:/1 2::- ]	,						025-34413-000	025-34413-000   025-34417-000   025-34417-000   025-34417-000	025-34417-000	025-34417-000
2	Lug Nit					l		025-34414-000	025-34420-000 025-34420-000 025 34418 060	025-34420-000	005 34418 000
<del>Q</del>	Lug Kits with Power Tap	-						000 1000		200 0710 070	070-01440-070
4	Incortion Bridge	6	000 00110 100					024-31654-000	024-31654-000   024-31652-000   024-31652-000   024-31650-000	024-31652-000	024-31650-000
!	afini minagi	3	025-34423-000	025-34422-000	025-34422-000						
10	Switch, Control Power	τ-	024-31833-000	024-31833-000	024.31833-000	004 34833 000	004 04000 000				
4	Chothar Charles				000-000-000	000-00010-4-20	UZ4-3 1033-UUU		024-31833-000   024-31833-000   024-31833-000   024-31833-000	024-31833-000	024-31833-000
2	Oliait, Cultiful Power Sw.		024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000 024.31633 000 024 34632 060	004 31633 000	000 0000
#	Handle, Control Power Sw.		024-31832-000	024-31832-000	024-31832-000	004-31832-000	000 31830 000	004 24022 000	001 01000 000	024-01000-000	024-31033-000
28	Transformer	_	025-34429-000	005-34429-000	025 34432 000	005 24400 000	005-21032-000	024-31632-000	024-31832-000 024-31832-000 024-31832-000 024-31832-000	024-31832-000	024-31832-000
2.0				-	050 21105 000		022-34432-000	025-34429-000	025-34429-000   025-34432-000   025-34432-000	025-34432-000	025-34432-000
5	esnu	7	025-34430-000	025-34430-000	025-34431-000	025-34430-000   025-34431-000   025-34430-000   025-34430-000   025-34431-000   025-34431-000	025-34431-000	025-34430-000	025-34430-000	005-34431-000	105 34434 000
									,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		000-10440-070

ITEM	DESCRIPTION	QUANTITY	371-02700-245	371-02700-246	371-02700-250	371-02700-251	371-02700-253	374 00700 254	110 00100 110		
44			00	i		200120	007-00170-110	3/1-02/00-234 3/1-02/00-255 3/1-02/00-264 371-02/00-275	3/1-02/00-255	371-02700-264	371-02700-275
			See Fig. 2b	See Flg. 26	Se <sub>3</sub> Fig. 27	See Fig. 27	See Fig. 27	See Fig 27	Sop Fig. 27	20 212 000	i
	Terminal Block	c	025-34408-000	005 34405 000				256 1 B: 21	056 1 lg. 21	see rig. 7/	See Fig. 2/
		,	200 001 10 000	077-074-070					-	1	]
•	NF Disconnect Switch	_			1	1				004 05504 000	
	Circuit Breaker				000 1011	005 24404 000	200			024-25563-000	024-25563-000
ą.	Hondle Kit	,			077-34474-070	072-34474-000	025-34425-000	025-34424-000 025-34425-000	025-34425-000		
2	nardie Nit	-		***	025-34417-000	025-34417-000	025-34413-000	025-34417-000 025-34413-000 025-34447-000 025-34449-000	025-34413-000	000 24447 000	000 04440
4 2	Lug Kit	_			000 00110	000 00110 000			000-011-0-030	000-11446-070	025-34413-000
Ç					000-024450-000	0/25-344/20-000	025-34420-000 025-34414-000	025-34420-000   025-34414-000   025-34420-000   025-34414-000	025-34414-000	025-34420-000	025-34414-000
€	Lug Kits with Power lap	_			024-31652-000	024-31652-000	024-31654-000	024-31652-000	004 34654 000	004 04650 000	000 11070 700
#	Insertion Bridge	3	025-34422-000					024-31654-000 024-31654-000 024-31654-000	000-4-21024-000	074-31652-000	024-31654-000
		,	200 21 155 000								
ر	Switch, Control Power	_	024-31833-000	024-31833-000	024-31833-000	024-31833-000	000 31022 000	004 04000 000	200 0000 000		
Ę	Shaft Control Bourse	,			_	000-00010-1-20	024-51653-000	024-31633-000 024-31833-000 024-31833-000 024-31833-000 024-31833-000	024-31833-000	024-31833-000	024-31833-000
2	Clark, Colling Lower Sw.	-	024-31633-000	024-31633-000	024-21633-000	024-31633-000	024-31633-000	024-31633-000   024-31633-000   024-31633-000	024-31633-000	004-31633-000	004 34632 000
Ħ	Handle, Control Power Sw.		024-31832-000	024-31832-000	024-31832-000	024-31832-000	004-31832-000	000 31830 000	004 04030 000	000 0000 000	000-0010-000
2B	Transformer	-	005-34436 000	005 24426 000	000 0000	200 10010 100		024-31632-000 024-31632-000 024-31832-000 024-31832-000	024-31632-000	024-31832-000	024-31832-000
		-	000-00110-030	000-00440-000	023-54429-000	025-34432-000 025-34429-000		025-34436-000   025-34436-000   025-34436-000   025-34436-000	025-34436-000	025-34436-000	025-34436-000
44 4	ruse	2	025-34435-000	025-34435-000 025-34435-000	025-34430-000	025-34431-000	025-34430-000	025-34435-000   025-34435-000   025-34435-000	025-34435-000	025-34435-000	125-34435 000
										000 001 10 070	200-0440-070

## OPTION PANEL COMPONENTS (CONT'D)

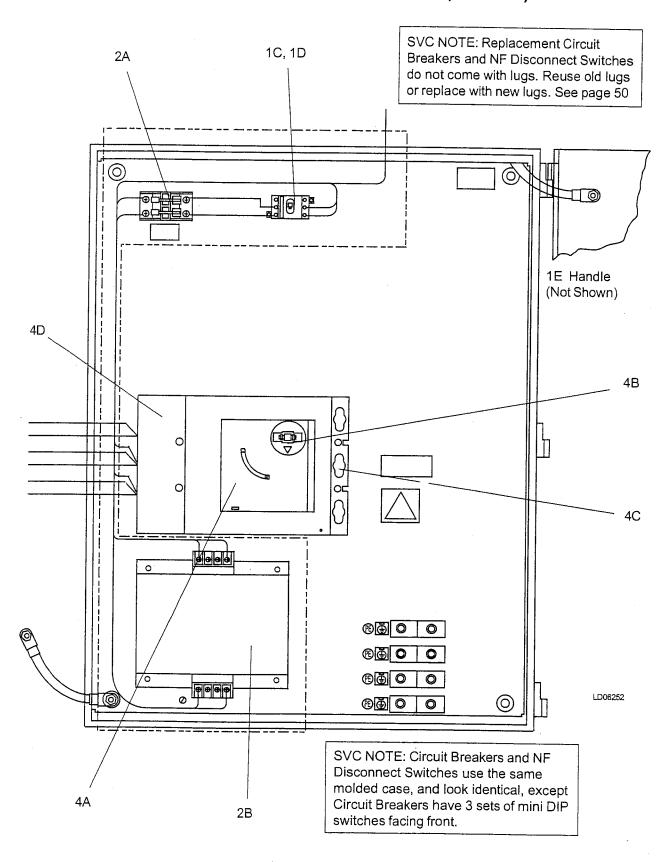


FIG. 26 - OPTION PANEL SHOWN WITH CIRCUIT BREAKER OR NON-FUSED DISCONNECT SWITCH (REF. TABLE 19, PAGE 60)

## OPTION PANEL COMPONENTS (CONT'D)

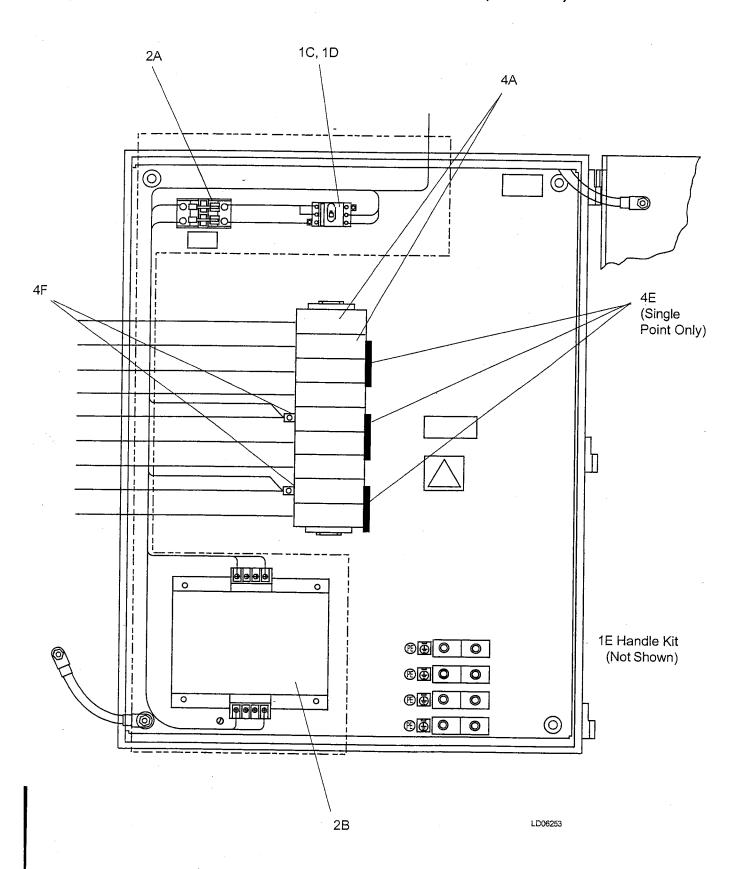


FIG. 27 – OPTION PANEL SHOWN WITH POWER TERMINAL BLOCK (REF. TABLE 19, PAGE 60)

## YCAS CHILLER OPTIONS - KITS AND SPARE PARTS

TABLE 20 - FIELD INSTALLABLE OPTIONS TABLE

	_											
		VIBRATION	VIBRATION VIBRATION	VIBRATION	VIBRATION	VIBRATION	VIBRATION					
MODEL	ISOLATORS	ISOLATORS	ISOLATOR	ISOLATORS	ISOLATORS	ISOLATOR	WIRE	LOUVERED	WIRE/	LOUVERED	-	REMOTE
NUMBER	SPRING 1"	SPRING 2"	PAD	SPRING 1"	SPRING 2"	PAD	ENCLOSURE	FNCIOSURE	LOUVERED	ENCLOSURE	BAS/EMS	CONTROL
YCAS - F	DEFLEC*	(SEISMIC)	1/2" DEFLEC	DEFLEC*	(SEISMIC)	1/2"DEFLEC		FULL UNIT	ENCLOSURE	CONDENSER	INTERFACE	PANEL
	CU/AL	CU/AL	CU/AL	cu/cu	CU/CU	no/no	<del></del>		FULL UNIT	ONLY	KIT	60Hz
MODEL NO.	029-22921	029-22921	029-22781	029-22921	029-22921	029-22781	375-29513	375,29514	375 20545	975 90546	00,00	
0130	-101	-201	-001	-351	-451	000	046	040	01057-010	01067-076	3/1-02492	371-02485
0440	7	6		3	2	†	0 0	910-	-016	-016	-102	-102
0410	LOL-	-201	-001	-351	-451	-004	-016	-016	-016	-016	-102	100
0150	-102	-202	-002	-351	-451	-005	-016	-016	910-	946	102	701-
0160	-102	200	500	71.0	01,			2	010	-010-	-102	-102
	70	707-	700-	-351	-452	-002	-016	-016	-016	-016	-102	.102
0170	-102	-202	-002	-351	-452	-005	-016	-016	-016	810	1 0	701-
0180	-102	-202	-002	-351	-452	-005	-016	310	910	5 6	701-	-102
0200	-103	203	600	254	7.7		2	200	010-	-016	-102	-102
	3	507-	500-	ر د	-453	900-	-020	-020	-020	-020	-102	-102
0210	-103	-203	-003	-351	-453	-002	-020	-020	-020	020-	101	102
0230	-103	-203	-003	-351	-453	-002	020-	UCU	2	070	701-	701-
							070	070-	-070	-020	-102	-102

\* Note Tubing and Fin Coil Material – Copper Coils (Cu/Cu) are much heavier than aluminum (Al).

## SOUND ENCLOSURE KITS (Perimeter Panel Design as of 2/1/00)

2 Comp Units 375-23782-000 3 Comp Units 375-33124-000 4 Comp Units 375-33125-000

## ENCLOSURE KIT OPTIONS – FULL UNIT (Includes Top and Bottom Sections)

TABLE 21 - ENCLOSURE KIT OPTIONS

MODEL NUMBER	WIRE - ENCLOSURE FULL UNIT *	LOUVERED ENCLOSURE FULL UNIT *	WIRE / LOUVERED ENCLOSURE FULL UNIT *	LOUVERED ENCLOSURE CONDENSER ONLY
YCAS-F	375-29513-	375-29514-	375-29515-	375-29516-
0130	016	016	016	016
0140	016	016	016	016
0150	016	016	016	016
0160	016	016	016	016
0170	016	016	016	016
0180	016	016	016	016
0200	020	020	020	020
0210	020	020	020	020
0230	020	020	020	020

<sup>\*</sup> Full units include top and bottom sections listed in Table 22 below. Top or bottom sections may be ordered separately if desired.

TABLE 22 - ENCLOSURE KIT OPTIONS - TOP AND BOTTOM KITS AVAILABLE SEPARATELY

TYPE	IT KIT OPTION NUMBER FULL UNIT KIT NO.	TOP KIT N		BOTTOMKI	
WIRE	375-29513-016	375-29569-160	(FIG. 28)	375-29569-161	(FIG. 29)
WIRE	375-29513-020	375-29569-200	(FIG. 28)	375-29569-201	(FIG. 29)
LOUVER	375-29514-016	375-29571-160	(FIG. 30)	375-29571-161	(FIG. 31)
LOUVER	375-29514-020	375-29571-200	(FIG. 30)	375-29571-201	(FIG. 31)
W/L	375-29515-016	375-29571-160		375-29569-161	(1.10.01)
W/L	375-29515-020	375-29571-200		375-29569-201	<del></del>
LOUVER	375-29516-016	375-29571-160		N/A	
LOUVER	375-29516-020	375-29571-200		N/A	

- Top and Bottom may be ordered separately.
- Individual parts are shown on the following pages.

## WIRE ENCLOSURE TOP SECTION PARTS BREAKDOWN

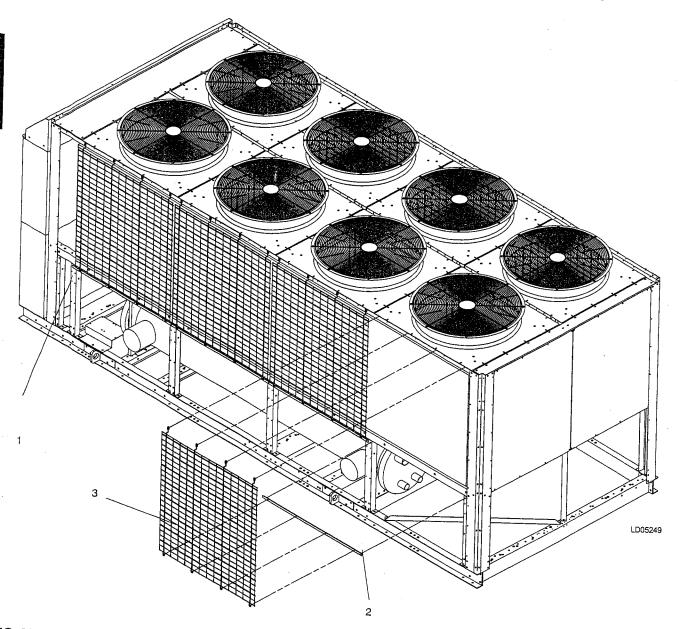


FIG. 28 - TOP SECTION - WIRE ENCLOSURE - KIT NO. 375-29569-160 IS SHOWN.

## TABLE 23 - WIRE ENCLOSURE TOP

	KIT	S 375-29569-160 AND 200	
		TOP KIT COMPONENTS	
REF. NUMBER	QUANTITY	DESCRIPTION	PART NUMBER
1	2	Z CHANNEL	075-29588-000
2	а	Z CHANNEL DXST	075-29589-000
3	b	WIRE GRILL CONDENSER DXST	026-36533-000
	1	HARDWARE KIT	

at no. 375-29569-160: quantity is 6

a kit no. 375-29569-200: quantity is 8

**b** For kit no. 375-29569-160: quantity is **8** 

**b** For kit no. 375-29569-200: quantity is **10** 

c For kit no. 375-29569-160: use part number 321-29569-160

c For kit no. 375-29569-200: use part number 321-29569-200

## WIRE ENCLOSURE BOTTOM SECTION PARTS BREAKDOWN

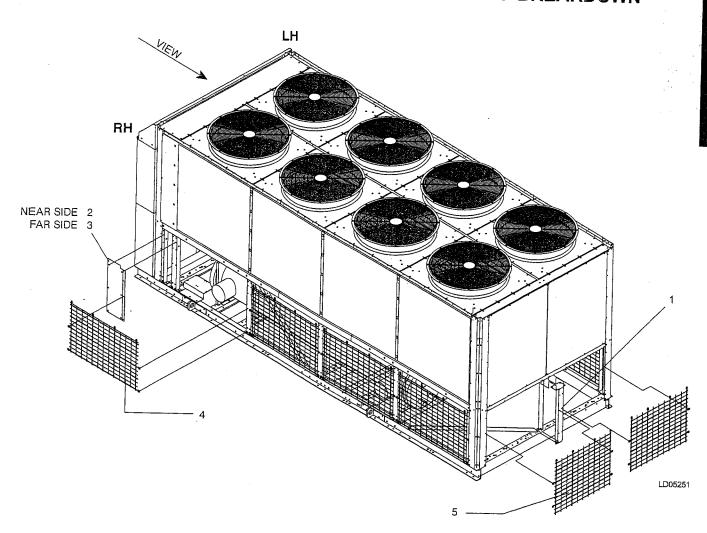


FIG. 29 - BOTTOM SECTION - WIRE ENCLOSURE - KIT NO. 375-29569-161 IS SHOWN.

## TABLE 24 - WIRE ENCLOSURE BOTTOM

	KITS	375-29569-161 AND 201	4
	ВОТ	TOM KIT COMPONENTS	
REF. NUMBER	QUANTITY	DESCRIPTION	PARTNUMBER
1	1	REAR SUPPORT	075-29590-000
2	1	PANEL VANITY RH	075-29591-000
3	1	PANEL VANITY LH	075-29592-000
4	а	WIRE GRILL DXST	026-36534-000
5	2	WIRE GRILL REAR DXST	026-36535-000
	1	HARDWARE KIT	b

a For kit no. 375-29569-161: quantity is 8

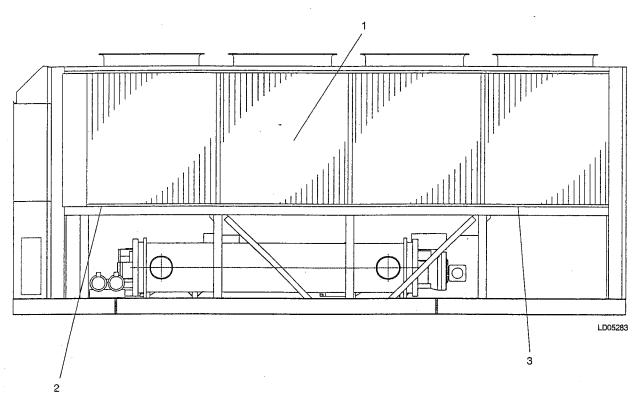
9

a For kit no. 375-29569-201: quantity is 10

b For kit no. 375-29569-161: use part number 321-29569-161

b For kit no. 375-29569-201: use part number **321-29569-201** 

## LOUVERED ENCLOSURE TOP SECTION PARTS BREAKDOWN



30 - TOP SECTION - LOUVERED EXPOSURE - KIT NO. 375-29571-200 IS SHOWN

TABLE 25 - LOUVERED PANEL ENCLOSURE TOP

	ΚI	TS 375-29571-160 and 200	
		TOP KIT COMPONENTS	
REF. NUMBER	QUANTITY	DESCRIPTION	PART NUMBER
1	а	PANEL LOUVER	075-29580-000
2	2	Z CHANNEL	075-29588-000
3	b	Z CHANNEL DXST TAMPER PROOF	075-29589-000
	1	HARDWARE KIT	С

- **a** For kit no. 375-29571-160: quantity is **8**
- a For kit no. 375-29571-200: quantity is 10
- **b** For kit no. 375-29571-160: quantity is **6**
- **b** For kit no. 375-29571-200: quantity is 8
- c For kit no. 375-29571-160: use part number 321-29571-160
- c For kit no. 375-29571-200: use part number 321-29571-200

## LOUVERED ENCLOSURE BOTTOM SECTION PARTS BREAKDOWN

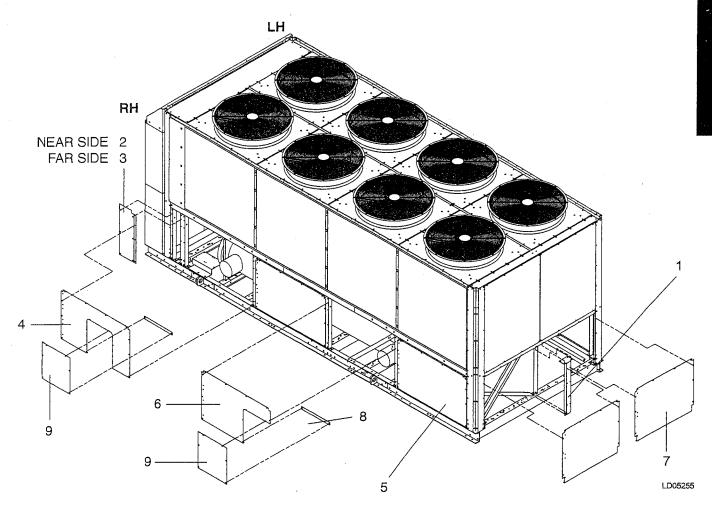


FIG. 31 – BOTTOM SECTION - LOUVERED ENCLOSURE - KIT NO. 375-29571-161 IS SHOWN.

TABLE 26 - LOUVERED PANEL ENCLOSURE BOTTOM

	KITS	S 375-29571-161 and 201	
	ВО	TTOM KIT COMPONENTS	
REF. NUMBER	QUANTITY	DESCRIPTION	PARTNUMBER
1	1	REAR SUPPORT	075-29590-000
2	1	PANEL VANITY RH	075-29591-000
3	1	PANEL VANITY LH	075-29592-000
4	1	PANEL LOUVER	075-29582-000
5	а	PANEL LOUVER	075-29581-000
6	1	PANEL LOUVER	075-29584-000
7	2	PANEL LOUVER	075-29585-000
8	2	ANGLE SUPPORT WATER CONNECTOR	075-29587-000
9	2	PLATE WATER CONNECTOR COVER	075-29586-000

a For kit no. 375-29571-161: quantity is 6

a For kit no. 375-29571-201: quantity is 8



## REMOTE CURRENT/TEMPERATURE RESET WIRING

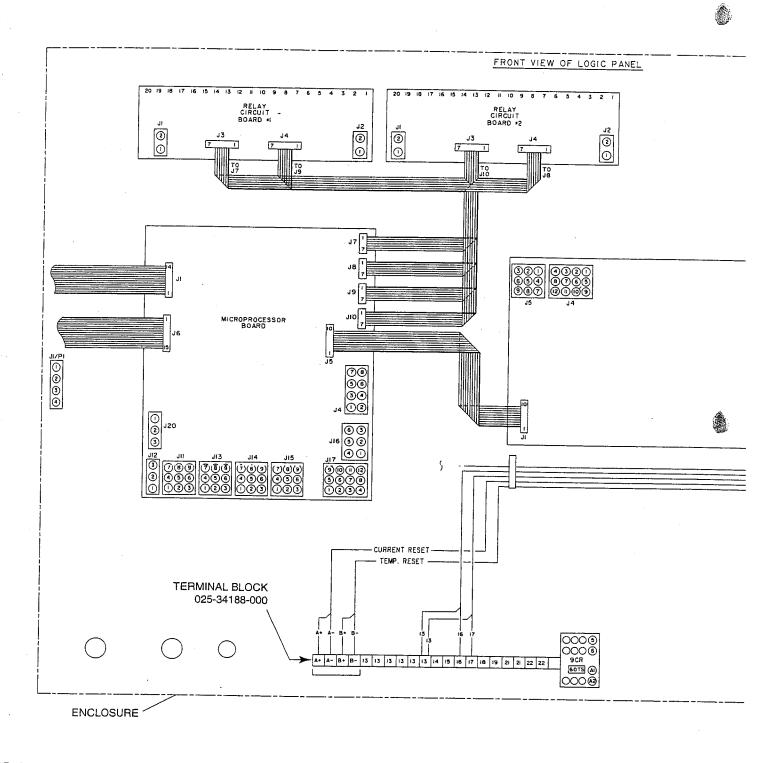
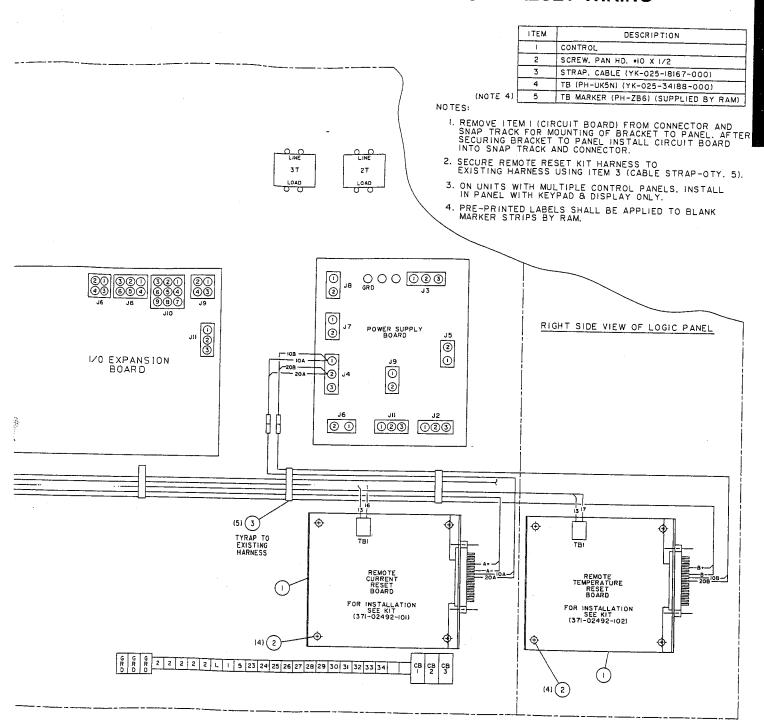


FIG. 32 - REMOTE CURRENT/TEMPERATURE RESET WIRING KIT



## REMOTE CURRENT/TEMPERATURE RESET WIRING



LD05854

## CURRENT/TEMPERATURE RESET PARTS BREAKDOWN

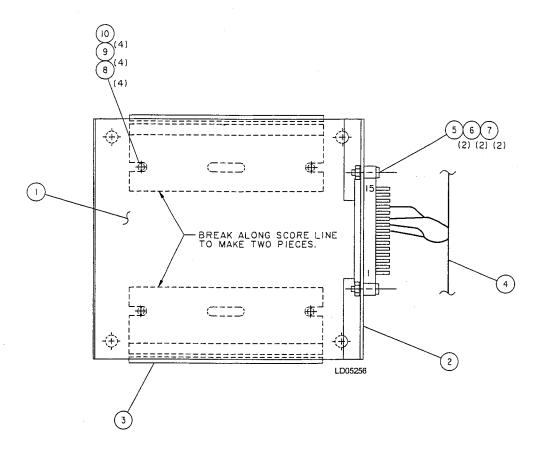


FIG. 33 - REMOTE TEMPERATURE RESET KIT

TABLE 27 - REMOTE CURRENT/TEMPERATURE RESET KIT

		371-02492-102	
REF. NUMBER	QUANTITY	DESCRIPTION	PART NUMBER
1	1	CONTROL, REMOTE CURRENT/TEMP	031-00814-000
2	1	BRACKET, REMOTE CURRENT/TEMP RESET	371-01232-361
3	1	TRACK, SNAP	071-01232-363
4	1	WIRING, REMOTE CURRENT/TEMP RESET	571-02492-231*
5	2	SCREW MACH. PAN HD #4	021-17594-000
6	2	NUT HEX MACH SCREW	021-10056-000
		#4 – 40 UNC-2B	021-10050-000
7	2 .	LKWASH HEL. SPG. #4 REG.	021-17576-000

<sup>\*</sup> Refer to Table 28 below.

TABLE 28- REMOTE RESET WIRING

QUANTITY	DESCRIPTION	PART NUMBER
2	CONT SOC AWG WIRE SIZE 20	025-19674-000
2	TERMINAL PUSH ON STRAIGHT	025-06642-000
4	TUBING HEAT SHRINKABLE 1/8 ID	025-29632-000
1 .	HGS CONNECTOR ELECTRICAL PLUG	025-32564-000*
-1	CONNECTOR EDGE, 15 POSITION, 0.125	025-29631-000

<sup>\*</sup> Was P/N 025-21137-000 prior to Spring 1999.

## REMOTE CONTROL CENTER

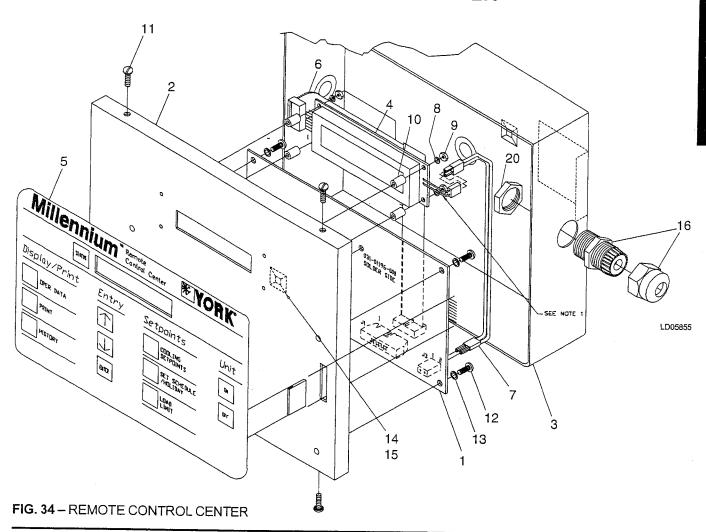


TABLE 29 - RCC PARTS

		RCC PARTS	
		371-02485-101 AND 102 (50 AND 60 HZ)	
REF. NUMBER	QUANTITY	DESCRIPTION	PART NUMBER
1	1	CONTROL, MICROBOARD	031-01196-000
2	1	COVER, REMOTE CONTROL	371-02485-311
3	1	BASE, REMOTE CONTROL	071-02485-320
4	1	DISPLAY, LCD	031-01110-000
5	11	SWITCH, KEYPAD	024-30930-000
6	1	RIBBON CABLE	071-01289-211
7	1	WIRE CABLE	071-01289-212
10	4	SPACER, NYLON 1/4 OD X 7/16 LG.	021-17575-000
11	4	SCREW TAP THD. FORM TYPE AB	021-14150-000
14	3	CABLE TIE MOUNT	025-25155-000
15	5	CABLE TIE	025-18167-000
16	1	CABLE FITTING	025-31732-000
17	2	INSULATOR, RECIPAK, ROOFTOP	071-01730-000
18	2	MODULE, LAN TRANSIENT PROTECTION (LTP)	031-01586-000
19	1	INSTALLATION INSTRUCTIONS	071-01289-002
20	1	NUT, LOCKING, HEYCO-8464	
21	1	OPERATOR'S MANUAL	201.18-NM1.2



## RECOMMENDED SPARE PARTS

York Model YCAS Style F Air Cooled Screw Chillers Suggested Spare Parts List for Critical Duty Applications



All requests for parts should be made to your local YORK Sales And Service Center shown on inside back cover.

**TABLE 30 - SPARE PARTS** 

	T	
PAGE REF. &	DESCRIPTION	PART
ITEM NUMBER	-	NUMBER
Page 10, Item <b>1</b>	Valve, Thermal Expansion (Cooler)	See Table 4
Page 10, Item 5	Core, Dehydrator	026-18328-000
Page 10, Item 16	Coil, Solenoid	See Table 4
Page 25, Item 1	Sensor, Outside Air Temp.	025-28663-001
Page 25, Item <b>2</b>	Sensor, Water Temp. (All)	025-29964-000
Page 25, Item 3	Sensor, Oil Temp.	025-30440-000
Page 25, Item 4	Sensor, Discharge Temp.	025-32924-000
Page 25, Item <b>5</b>	Sensor, Suction Temp.	025-28935-000
Page 25, Item <b>6</b>	HP Cut-out (USA Std.)	025-30480-000
Page 25, Item 7	Transducer, Suction 0-200 PSI	025-29583-000
Page 25, Item 8	Transducer, Discharge 0-400 PSI	025-29139-001
Page 25, Item <b>15</b>	Valve, Capacity Control	025-33205-000
Page 25, Item 19	Suppressor	031-01117-000
Page 8, Item 1	Fan Motor	See Table 3
Page 8, Item 2	Fan Blade	See Table 3
Page 22, Item 1	Oil filter cartridge	026-35601-000
Page 22, Item <b>2</b>	O-ring for above filter	028-13849-000
Page 22, Item 3	York Type L oil, POE, 5 gal.*	011-00592-000
Page 38-45, Item 3	Motor Protector Module	024-30907-000

- Type L oil is used with both R-22 and R-407C refrigerants.
- Chiller Paint, 12 oz. Spray TAJ3721037 Desert Tan



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## ADDENDUM TO FORM 201.18-RP1 POWER PANEL COMPONENTS - WYE-DELTA

## MANUAL CORRECTION

AND QUANTITY OF CONTACTORS ON ALL WYE-DELTA STARTER ADDENDUM BELOW SHOWS PROPER SYSTEM IDENTIFICATION INCORRECT QUANTITY (3) LISTED ON THE FORE MENTIONED PANELS LISTED ON PAGES 48 - 53. PLEASE DISREGARD WYE-DELTA PAGES.

ITEM	ITEM DESCRIPTION SYS. QTY.	SYS.	QTY.	371-02302-101	371-02302-102
4	Contactor	3.0	2	024-26577-000	024-31603-000
		2	2	024-26577-000	024-31603-000
18	Contactor	1	1	024-26577-000	024-31602-000
		2	ļ	024-26577-000	024-31602-000
10	Suppressor	Both	9	031-00808-000	031-00808-000
9	Mech Interlock	1	1	024-31600-000	024-31600-000
		2	1	024-31600-000	024-31600-000