

RecipPak
CONDENSING UNITS
AIR COOLED-RECIPROCATING HERMETIC

RENEWAL PARTS

SUPERSEDES: 195.24-RP2 IN ERR ONLY

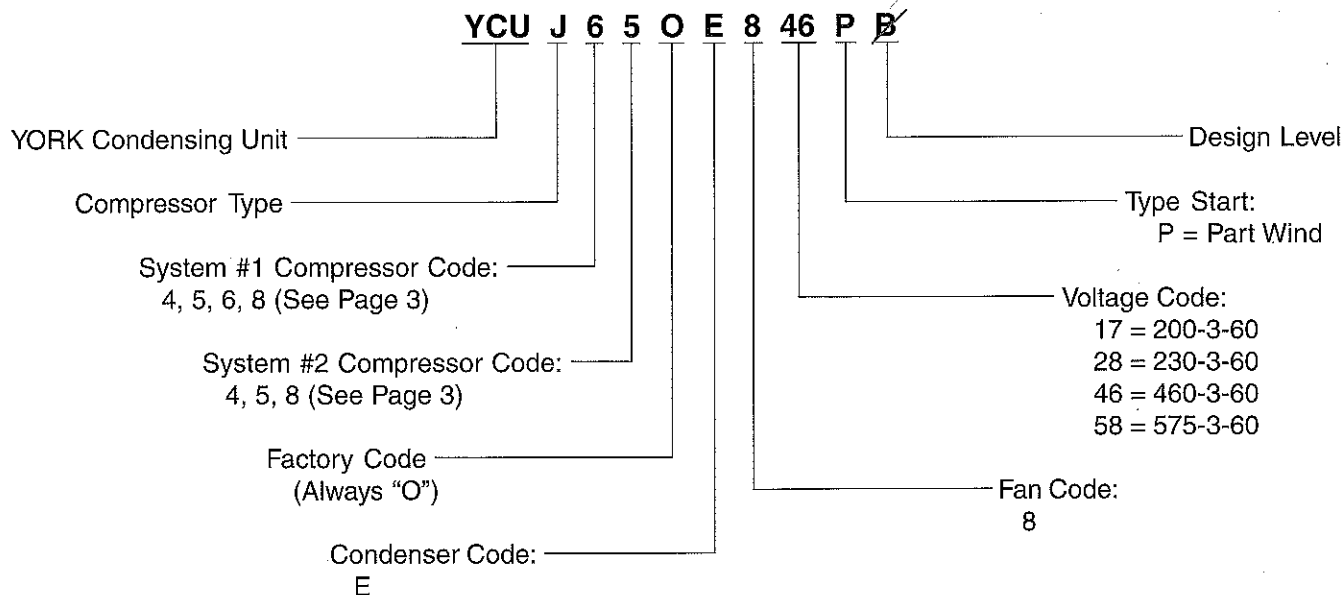
996

Form 195.28-RP1

60 HERTZ
YCUZ88OE8, YCUJ44OE8,
YCUJ54OE8, YCUJ55OE8, YCUJ65OE8
Archived Version
STYLE B *AC50 A*

UNIT NOMENCLATURE

The model number denotes the following characteristics of the unit:



WARNING

HIGH VOLTAGE
is used in the operation of this equipment
DEATH OR SERIOUS INJURY

may result if personnel fail to observe precautions.

Work on electronic equipment should not be undertaken unless the individual(s) has (have) been trained in the proper maintenance of the equipment and is (are) familiar with its potential hazards.

Shut off power supply to equipment before beginning work and follow lockout procedures. When working inside equipment with power off, take special care to discharge every capacitor likely to hold dangerous potential.

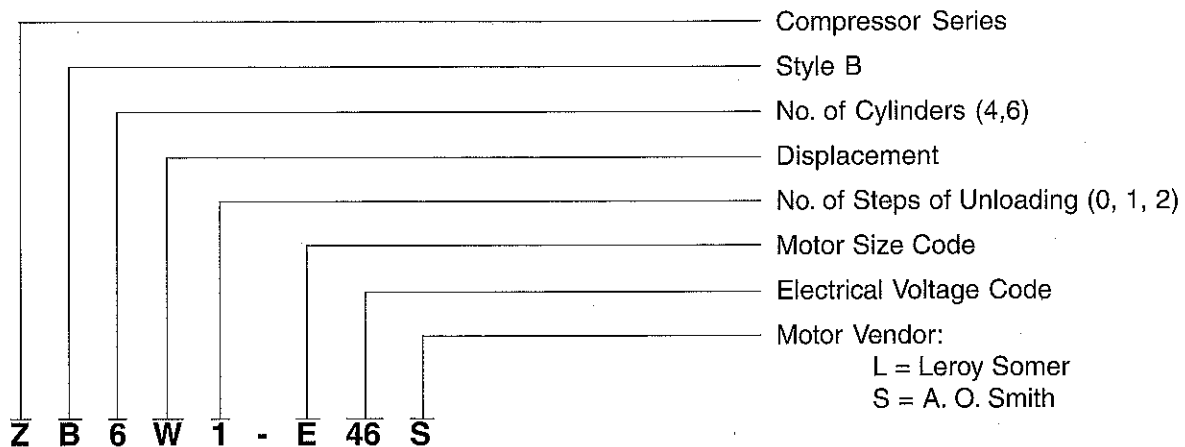
Be careful to not contact high voltage connections when installing or operating this equipment.

LOW VOLTAGE

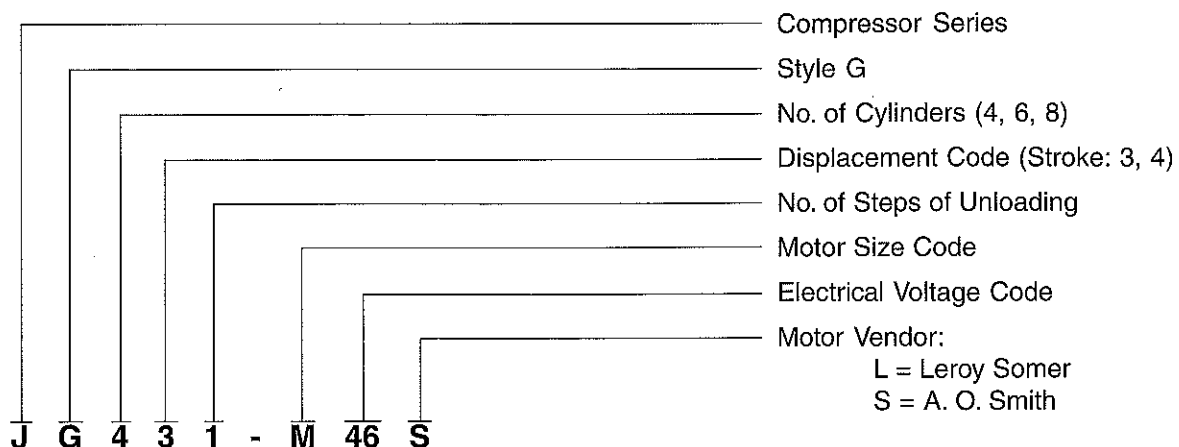
DO NOT be misled by the term "low voltage". Voltages as low as 50 volts may cause death.

COMPRESSOR NOMENCLATURE

"Z" MODELS



"J" MODELS



COMPRESSOR MODEL NUMBERS

60 HZ	UNIT MODEL	YCUZ88OE8	YCUJ44OE8	YCUJ54OE8	YCUJ55OE8	YCUJ65OE8
COMPRESSOR MODEL	SYSTEM NO. 1	ZB6W2-E	JG431-M	JG441-P	JG441-P	JG682-Q
	SYSTEM NO. 2	ZB6W2-E	JG431-M	JG431-M	JG441-P	JG441-P

For replacement compressors and/or parts, refer to the following, as appropriate:

"Z" Compressors – Form 180.45-RP2

"J" Compressors – Form 180.23-RP4

Remanufactured compressors are available from the Wheeling, Illinois manufacturing facility.
Contact the local YORK International Office.

^sCOMPRESSOR MOTOR CONTACTORS

VOLT CODE/ TYPE START	SYSTEM	UNIT MODELS				
		YCUZ88OE8	YCUJ44OE8	YCUJ54OE8	YCUJ55OE8	YCUJ65OE8
-17P	1	024-25549-000	024-25549-000	024-25548-000	024-25548-000	024-25548-000
	2	024-25549-000	024-25549-000	024-25548-000	024-25548-000	024-25548-000
-28P	1	024-25549-000	024-25550-000	024-25549-000	024-25549-000	024-25548-000
	2	024-25549-000	024-25550-000	024-25549-000	024-25549-000	024-25548-000
-46P	1	024-25550-000	024-25550-000	024-25550-000	024-25550-000	024-25550-000
	2	024-25550-000	024-25550-000	024-25550-000	024-25550-000	024-25550-000
-58P	1	024-25550-000	024-25550-000	024-25550-000	024-25550-000	024-25550-000
	2	024-25550-000	024-25550-000	024-25550-000	024-25550-000	024-25550-000

NOTES: ^s = Recommended Stock Spare Parts

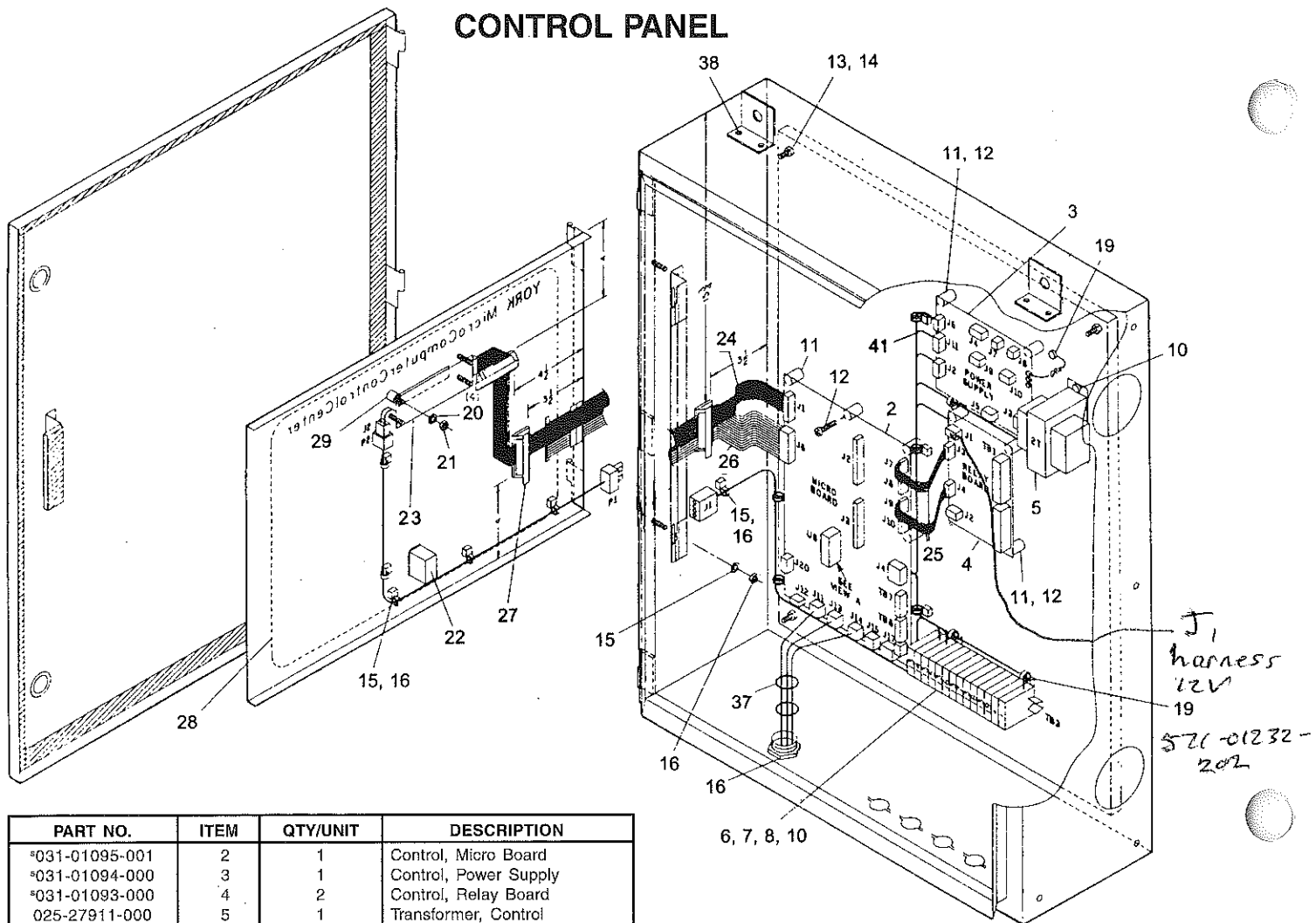
P = Part Winding

Part Winding (Start) compressors require two (2) contactors per compressor (system).

Contactors include suppressors.

EH110

CONTROL PANEL

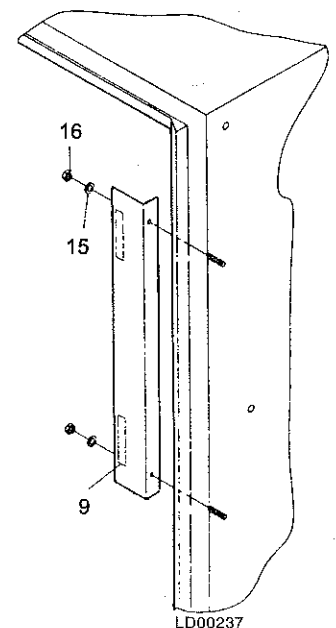
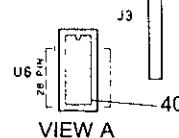


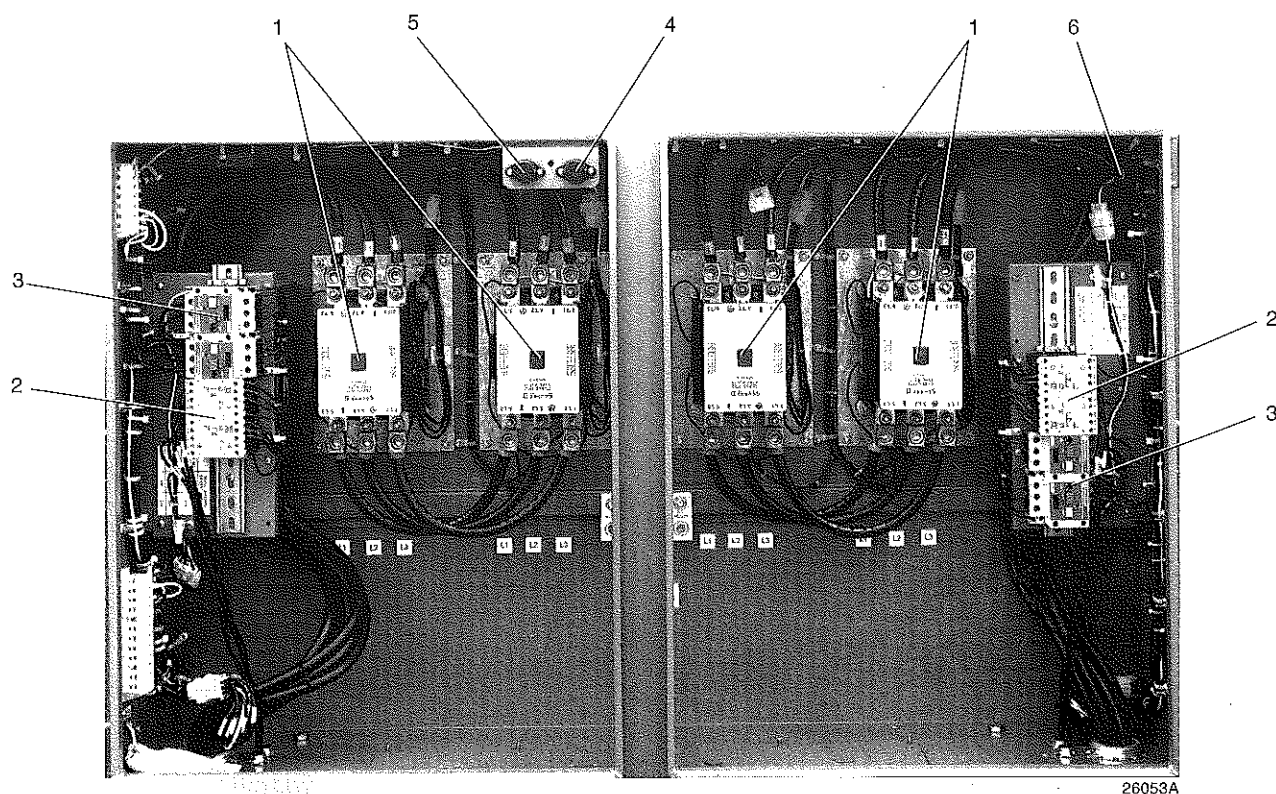
PART NO.	ITEM	QTY/UNIT	DESCRIPTION
*031-01095-001	2	1	Control, Micro Board
*031-01094-000	3	1	Control, Power Supply
*031-01093-000	4	2	Control, Relay Board
025-27911-000	5	1	Transformer, Control
025-20945-000	6	14	Block, Terminal
025-20946-000	7	1	End, Terminal Block
025-29159-000	8	1	Strip, Marker (14 Pole)
029-20878-000	9	2	Catch, Magnetic
021-13783-000	10	5	Scr., Tap TH. #8 x 3/8 Lg
021-14661-000	11	16	Nut, Expansion
021-14667-000	12	16	Scr., Tap Pan Hd. #8 x 1-1/4
021-01155-000	13	4	Lock Washer, TH. Int. 3/8
021-00467-000	14	4	Nut, Hex 3/8-16 UNC-2B
021-01137-000	15	10	Lock Washer, TH. Int. #10
021-08282-000	16	10	Nut, Hex #10-24
025-28383-000	17	3	Hsg., Connr. Plug, Mini-Univ.
025-09389-000	18	1	Connr., Cable, Str. 3/4
021-13789-000	19	14	Scr., Tap, Pan Hd. #10 x 1/2
021-17576-000	20	4	Lock Washer, Hel. Spg. #4
021-10056-000	21	4	Nut, Hex #4-40
024-25517-000	22	1	Switch, Unit ON/OFF
031-01110-000	23	1	Display
031-01109-211	24	1	Ribbon Cable
031-01109-212	25	2	Ribbon Cable
031-01109-213	26	1	Ribbon Cable
025-25156-000	27	3	Clamp, Ribbon Wire
024-25504-000	28	1	Switch, Keypad
021-17575-000	29	4	Spacer, Nylon 7/16 Lg.
371-01226-231	30	1	Harness, Sensor - Suct. #1
371-01226-233	31	1	Harness, Sensor - Oil #1
371-01226-232	32	1	Harness, Sensor - Suct. #2
031-01226-234	33	1	Harness, Sensor - Oil #2
371-01226-241	34	1	Harness, Sensor - LWT
371-01226-242	35	1	Harness, Sensor - EWT
371-01226-243	36	1	Harness, Sensor - OAT
025-18167-000	37	3	Strap, Cable
021-17269-000	38	4	Nut, KEPS 1/4-20
035-03908-000	39	1	Label, Caution
*031-01096-013	40	1	EPROM
571-01226-212	41	1	Harness, Hinged Panel
*031-00808-000	42	3	Suppressor for Options

Recommended Stock Spare Part
Not Shown, Shipped Loose for Field
use to place across the coil of any
relay or contactor connected to the
Control Panel or its 115VAC Power
Supply, including the application of:

- Alarm Circuit Relays
- Pump Starter (Contactor or Pilot Relay)
- Flow Switch Inputs
- BAS Inputs

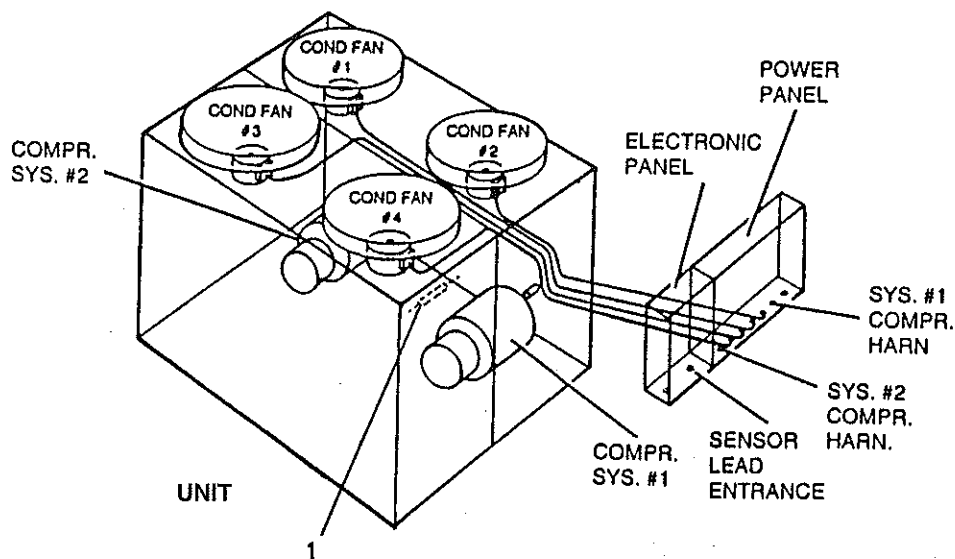
Not Shown.
Sensor Harness
Without Sensor.



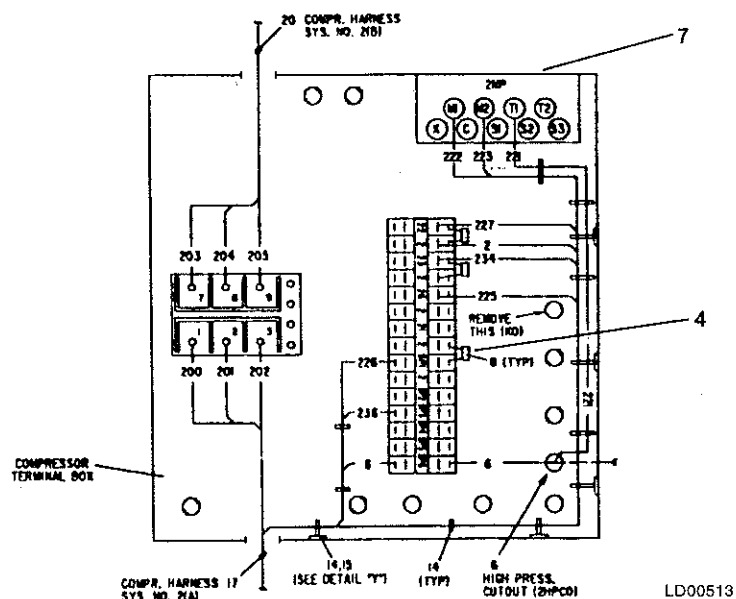
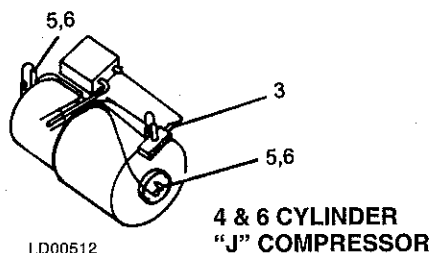
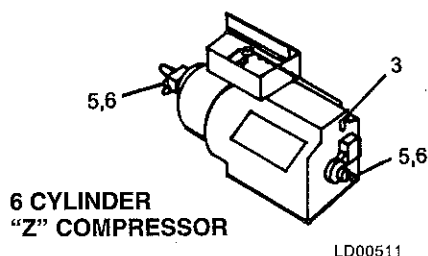
**POWER PANEL****POWER PANEL CONTROL COMPONENTS**

ITEM NUMBER	QUANTITY PER UNIT	DESCRIPTION	VOLTAGE CODE	ALL UNIT MODELS
				PART NUMBER
CONTACTORS				
s1	4	Contactor (w/Suppressor), Compressor	ALL	See page 3
s2	4	Contactor (w/Suppressor), Fan	-17	024-25584-000
			-28	024-25584-000
			-46	024-25526-000
			-58	024-25526-000
OVERLOADS				
s3	4	Overload, Fan 10 - 16 FLA	-17	024-25518-000
		10 - 16 FLA	-28	024-25518-000
		6.3 - 10 FLA	-46	024-25519-000
		4 - 6.3 FLA	-58	024-25520-000
FUSES				
s4	1	Electronic Power Supply Circuit (5 amp), 2FU	ALL	025-27922-000
s5	1	Control Circuit (20 amp), 1FU	ALL	025-28967-000
TRANSFORMERS				
6	2	Transformer, Current	ALL	025-27408-000

NOTES: ^s = Recommended Stock Spare Parts
 Contactors include suppressors.



LD00510



LD00513

COMPRESSOR TERMINAL BOX WIRING DIAGRAM (TYPICAL)

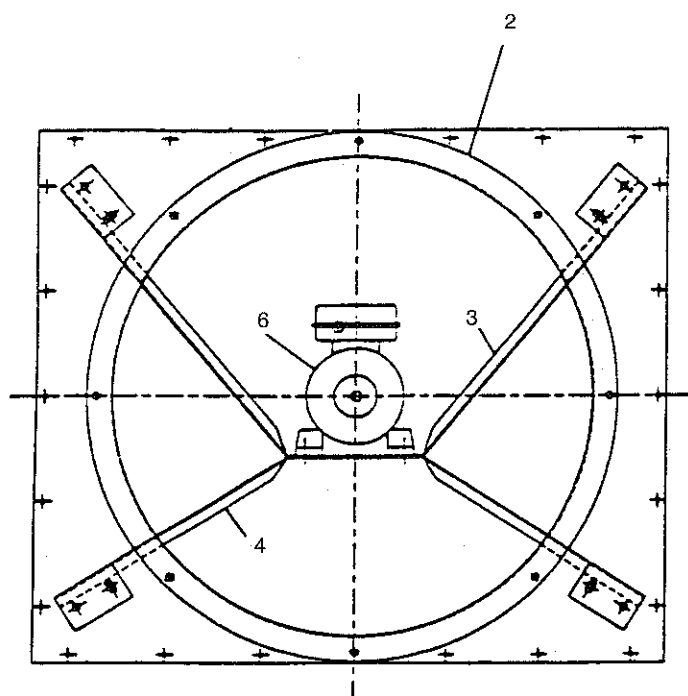
SYSTEM CONTROL COMPONENTS

ITEM NO.	QUANTITY PER UNIT	DESCRIPTION	VOLTAGE CODE	PART NUMBER ALL MODELS
^s 1	1	Sensor, Outside Air (OAT)	ALL	025-28663-001
^s 2	2	High Pressure Cutout	ALL	025-28985-002
^s 3	See Table Below	Suppressor, Compressor Unloading Solenoids and Liquid Line Solenoids	ALL	031-01117-000
^s 4	4	Transducer (Oil & Suction Pressure)	ALL	025-29583-000
^s 5	4	Brass Adaptor (Use with Item 4)	ALL	023-16272-000
6	2	Module, Motor Protector	ALL	025-27522-000

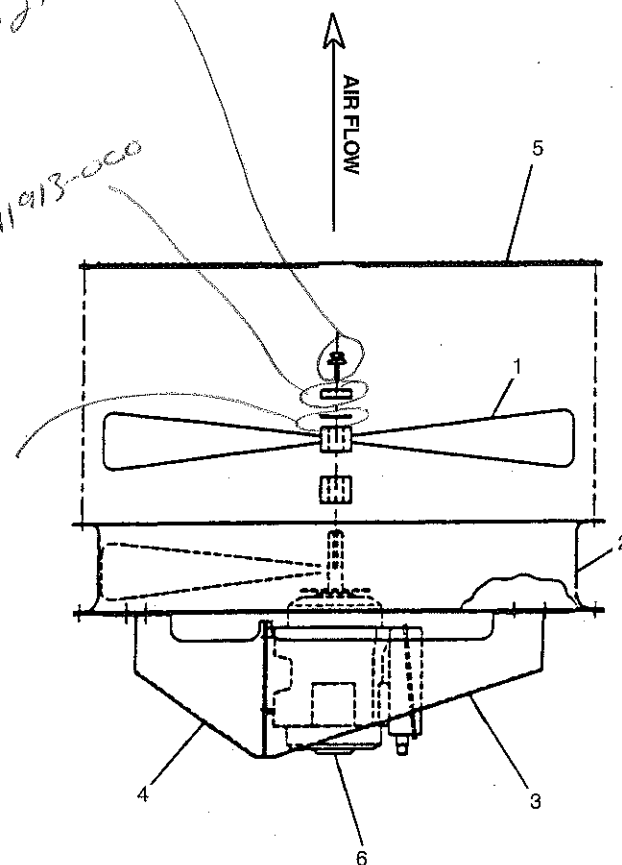
SUPPRESSOR QUANTITY

UNIT MODEL	YCUZ88OE8	YCUJ44OE8	YCUJ54OE8	YCUJ55OE8	YCUJ65OE8
QUANTITY	6	4	4	4	5

^sRecommended Stock Spare Parts



TOP VIEW
(Less Impeller & Guards)



LD00519

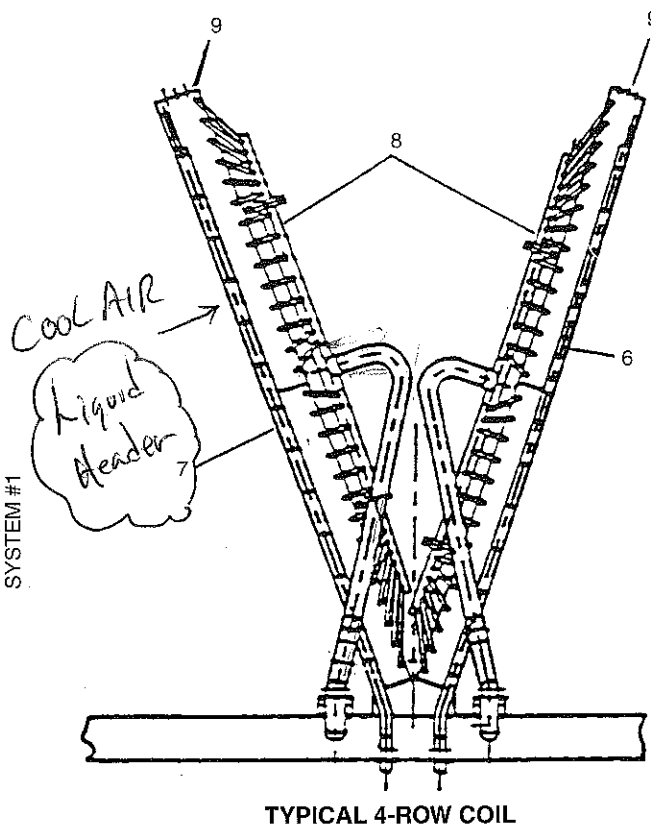
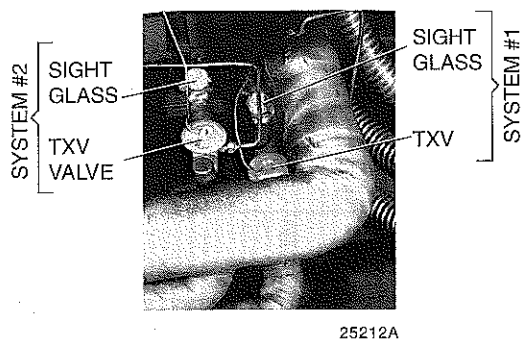
FAN COMPONENTS

design change 9/94
from 3 HP TO 5 HP

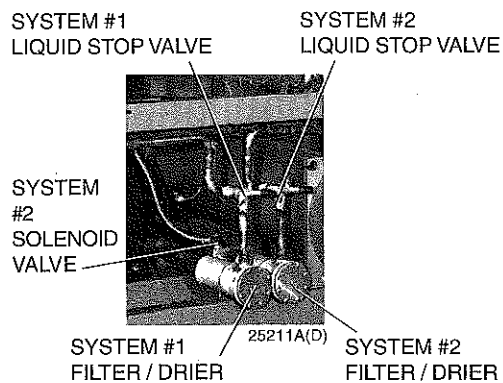
ITEM NO.	DESCRIPTION		ALL UNIT MODELS
			PART NUMBER
^s 1	Blade		026-33664-000 26°
2	Orifice		326-34406-000
3	Support, Motor		075-01899-000
4	Support, Motor		075-01898-000
5	Guard		026-32807-000
^s 6	Motor:		
	VOLTAGE CODE	-17	024-24604-002
		-28	024-24604-002
		-46	024-24604-001 5HP 1 3/4
		-58	024-24758-000

^sRecommended Stock Spare Part

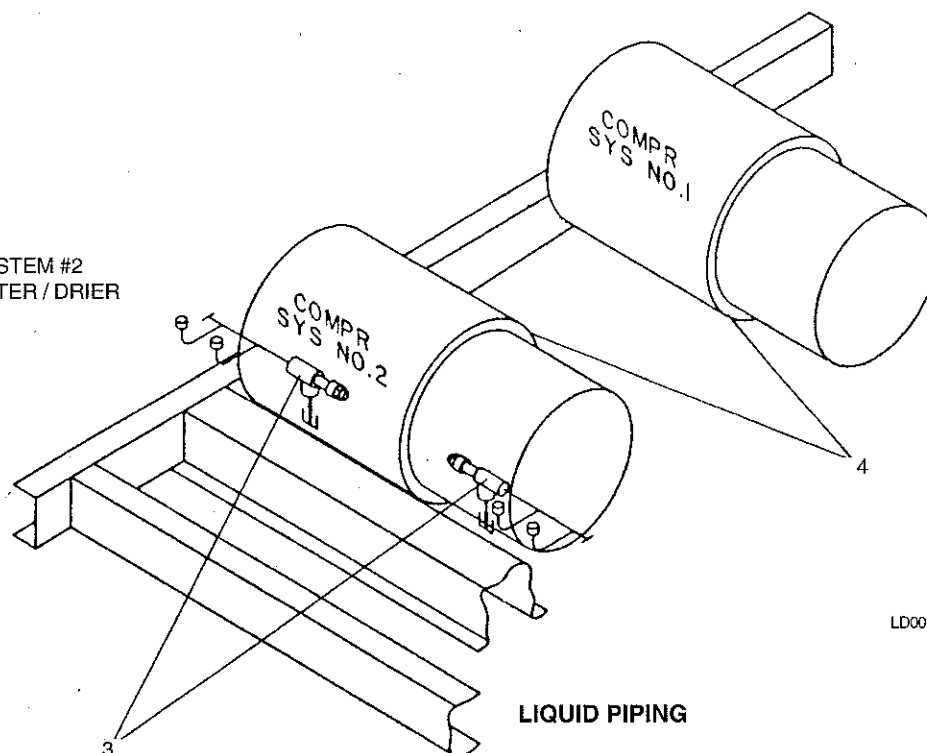
MODEL	SYSTEM	COILS
YCUZ88OE8	1	4 ROW
	2	4 ROW
YCUJ44OE8	1	4 ROW
	2	4 ROW
YCUJ54OE8	1	4 ROW
	2	4 ROW
YCUJ55OE8	1	4 ROW
	2	4 ROW
YCUJ65OE8	1	4 ROW
	2	4 ROW



LD00520



LOCATION (Typical) 5



LD00521

FIG. 1 - UNIT REFRIGERANT COMPONENTS

814 479 7113

REFRIGERANT SYSTEM COMPONENTS (See Figure 1)

ITEM NO.	QUANTITY PER UNIT	DESCRIPTION	SYSTEM NUMBER	UNIT MODELS				
				YCUZ88OE8	YCUJ44OE8	YCUJ54OE8	YCUJ55OE8	YCUJ65OE8
1*	2	Dehydrator, Body (Replaceable Core)	1, 2	026-21055-000	026-21055-000	026-21055-000	026-21055-000	026-21055-000
2*	4	Dehydrator Core (Use with Item 1)	1, 2	026-18328-000	026-18328-000	026-18328-000	026-18328-000	026-18328-000
3	2	Valve, Liquid Stop	1, 2	022-08739-000	022-08739-000	022-08739-000	022-08739-000	022-08739-000
4	2	Compressor	1, 2	See Page 3				
5	8	Pad, Isolator	1, 2	066-92335-000	066-92335-000	066-92335-000	066-92335-000	066-92335-000

ALUMINUM FIN COILS – STANDARD

6	2	Header, Liquid (R.H.)	1, 2	375-15534-000	375-15534-000	375-15534-000	375-15534-000	375-15534-000
7	2	Header, Liquid (L.H.)	1, 2	375-15536-000	375-15536-000	375-15536-000	375-15536-000	375-15536-000
8	4	Header, Discharge	1, 2	375-15539-000	375-15539-000	375-15539-000	375-15539-000	375-15539-000
9	8	Coil, Condenser	1, 2	026-32846-000	026-32846-000	026-32846-000	026-32846-000	026-32846-000

PHENOLIC-COATED COILS – OPTION

6	2	Header, Liquid (R.H.)	1, 2	375-15534-000	375-15534-000	375-15534-000	375-15534-000	375-15534-000
7	2	Header, Liquid (L.H.)	1, 2	375-15536-000	375-15536-000	375-15536-000	375-15536-000	375-15536-000
8	4	Header, Discharge	1, 2	375-15539-000	375-15539-000	375-15539-000	375-15539-000	375-15539-000
9	8	Coil, Condenser	1, 2	326-33669-000	326-33669-000	326-33669-000	326-33669-000	326-33669-000

COPPER FIN COILS – OPTION

6	2	Header, Liquid (R.H.)	1, 2	375-15534-000	375-15534-000	375-15534-000	375-15534-000	375-15534-000
7	2	Header, Liquid (L.H.)	1, 2	375-15536-000	375-15536-000	375-15536-000	375-15536-000	375-15536-000
8	4	Header, Discharge	1, 2	375-15539-000	375-15539-000	375-15539-000	375-15539-000	375-15539-000
9	8	Coil, Condenser	1, 2	026-33668-000	026-33668-000	026-33668-000	026-33668-000	026-33668-000

BLACK FIN COILS – OPTION

6	2	Header, Liquid (R.H.)	1, 2	375-15534-000	375-15534-000	375-15534-000	375-15534-000	375-15534-000
7	2	Header, Liquid (L.H.)	1, 2	375-15536-000	375-15536-000	375-15536-000	375-15536-000	375-15536-000
8	4	Header, Discharge	1, 2	375-15539-000	375-15539-000	375-15539-000	375-15539-000	375-15539-000
9	8	Coil, Condenser	1, 2	326-34403-000	326-34403-000	326-34403-000	326-34403-000	326-34403-000

* Not Shown. Field-Installed in Liquid Piping

* Recommended Stock Spare Part

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165 R-22

REPLACEMENT COMPONENTS FOR UNIT OPTIONS

ITEM NUMBER	QUANTITY PER UNIT	DESCRIPTION	VOLTAGE CODE	ALL MODELS
A	2	CHICAGO CODE Valve, Relief	ALL	
B	1	POWER DISCONNECT SWITCH (PDS) Switch, Disconnect	-17 -28 -46 -58	
C	2	LOW AMBIENT KIT (Note 1) Fan Contactor with Suppressor	-17 -28 -46 -58	
D	1	CONTROL TRANSFORMER (1T) Transformer	-17 -28 -46 -58	025-29627-001 025-29627-002 025-29627-002 025-29627-004
E	2	Fuse, Transformer	-17 -28 -46 -58	025-27509-015 025-28967-000 025-27971-000 025-30962-000
F	1	RELAY BOARD KIT Relay Control Board	ALL	031-01093-000
G	2*	DISCHARGE PRESSURE READOUT KIT Transducer, Discharge Pressure	ALL	025-29139-001
H	2*	Adaptor, Transducer (Use with Item G)	ALL	023-16272-000
I	2	LOADMINDER (HOT GAS BYPASS) Valve, Regulator, Hot Gas	ALL	025-29944-000
J	2	Suppressor	ALL	031-01117-000
K	2	SENSOR, SUCTION TEMPERATURE Sensor, Temperature	ALL	025-28935-000
L	2	SOLENOID VALVE, LIQUID LINE Valve, Solenoid	ALL	025-28376-000

UNIT MODELS	YCUZ88OE8	YCUJ44OE8	YCUJ54OE8	YCUJ55OE8	YCUJ65OE8
	022-08881-000	022-08863-000	022-08863-000	022-08863-000	022-08863-000
	024-25563-000	024-25562-000	024-25562-000	024-25562-000	024-25562-000
	024-25563-000	024-25563-000	024-25563-000	024-25562-000	024-25562-000
	024-25564-000	024-25564-000	024-25564-000	024-25564-000	024-25564-000
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	024-25545-000	024-25545-000	024-25545-000	024-25545-000	024-25545-000

- One Required Per Compressor

NOTES:

1. This option also requires Discharge Pressure Readout Kit, Items G and H.

NOTE:

Parts listed on Pages 10 and 11 are for Single Replacement Parts contained in the Option Kits.

Part Numbers provided **DO NOT** reflect part numbers for complete Option Kits.

See the Installation Operation manual, Form 195.28-NM1 for complete Option Kit Part Numbers.



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SUPERSEDES: 195.24-RP2 IN ERR ONLY



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