



ROTARY SCREW LIQUID CHILLERS

RENEWAL PARTS

Supersedes: 160.81-RP5 (710)

Form 160.81-RP5 (1113)

MODEL YR T0 - T3 MOD LEVEL A-C

200 THRU 430 TONS (60 HZ)
700 THRU 1500 KW (60 HZ)
170 THRU 365 TONS (50 HZ)
600 THRU 1280 KW (50 HZ)



Rated in Accordance
with the latest edition of ARI
STANDARD 550/590

R-134A REFRIGERANT

Issue Date:
November 21, 2013



IMPORTANT!

READ BEFORE PROCEEDING!

GENERAL SAFETY GUIDELINES

This equipment is a relatively complicated apparatus. During installation, operation maintenance or service, individuals may be exposed to certain components or conditions including, but not limited to: refrigerants, materials under pressure, rotating components, and both high and low voltage. Each of these items has the potential, if misused or handled improperly, to cause bodily injury or death. It is the obligation and responsibility of operating/service personnel to identify and recognize these inherent hazards, protect themselves, and proceed safely in completing their tasks. Failure to comply with any of these requirements could result in serious damage to the equipment and the property in

which it is situated, as well as severe personal injury or death to themselves and people at the site.

This document is intended for use by owner-authorized operating/service personnel. It is expected that these individuals possess independent training that will enable them to perform their assigned tasks properly and safely. It is essential that, prior to performing any task on this equipment, this individual shall have read and understood this document and any referenced materials. This individual shall also be familiar with and comply with all applicable governmental standards and regulations pertaining to the task in question.

SAFETY SYMBOLS

The following symbols are used in this document to alert the reader to specific situations:



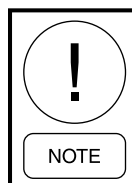
Indicates a possible hazardous situation which will result in death or serious injury if proper care is not taken.



Identifies a hazard which could lead to damage to the machine, damage to other equipment and/or environmental pollution if proper care is not taken or instructions are not followed.



Indicates a potentially hazardous situation which will result in possible injuries or damage to equipment if proper care is not taken.



Highlights additional information useful to the technician in completing the work being performed properly.



External wiring, unless specified as an optional connection in the manufacturer's product line, is not to be connected inside the control cabinet. Devices such as relays, switches, transducers and controls and any external wiring must not be installed inside the micro panel. All wiring must be in accordance with Johnson Controls' published specifications and must be performed only by a qualified electrician. Johnson Controls will NOT be responsible for damage/problems resulting from improper connections to the controls or application of improper control signals. Failure to follow this warning will void the manufacturer's warranty and cause serious damage to property or personal injury.

CHANGEABILITY OF THIS DOCUMENT

In complying with Johnson Controls' policy for continuous product improvement, the information contained in this document is subject to change without notice. Johnson Controls makes no commitment to update or provide current information automatically to the manual owner. Updated manuals, if applicable, can be obtained by contacting the nearest Johnson Controls Service office or accessing the Johnson Controls Knowledge Exchange website at <https://docs.johnsoncontrols.com/chillers/>

Operating/service personnel maintain responsibility for the applicability of these documents to the equipment.

If there is any question regarding the applicability of these documents, the technician should verify whether the equipment has been modified and if current literature is available from the owner of the equipment prior to performing any work on the chiller.

CHANGE BARS

Revisions made to this document are indicated with a line along the left or right hand column in the area the revision was made. These revisions are to technical information and any other changes in spelling, grammar

HOW TO USE RENEWAL PARTS MANUALS

Johnson Controls offers an assortment of replacements parts for Johnson Controls, YORK and DS units. Each replacement part is manufactured and fitted for a specific model. This Replacement Parts Manual is for standard Johnson Controls units. Chiller units built with special options, modifications, or conversions are not covered in this manual.

This Replacement Parts Manual provides Johnson Controls chiller replacement parts by part numbers, descriptions, quantities and drawing figures. To determine the correct replacement part, locate the item on drawing figure and refer to the parts list for the part number, description and quantity.

NOTE: Provide a unit model number, unit serial number and part number when requesting a quotation or placing an order. Failure to include this information may delay processing of your request.

Model and Serial Number Locations:

- **Unit** - Namplate on side of Control Panel
- **Compressor** - Namplate on Compressor Housing
- **VSD** - Namplate on VSD Panel

Contact the following sources to order parts.

For North America, contact the following:

- YORK Chiller Parts Center Baltimore
Telephone: +1 800 932 1701
Email: chillerparts@jci.com
- YORK Chiller Parts Center Houston
Telephone: +1 833 278 7991
Email: chillerpartsHouston@jci.com
- YORK Chiller Parts Center NOLA
Telephone: +1 833 283 3738
Email: chillerpartsNOLA@jci.com
- YORK Chiller Parts Center Toronto
Telephone: +1 905 488 3642 or +1 905 488 3641
Email: chillerpartstoronto@jci.com

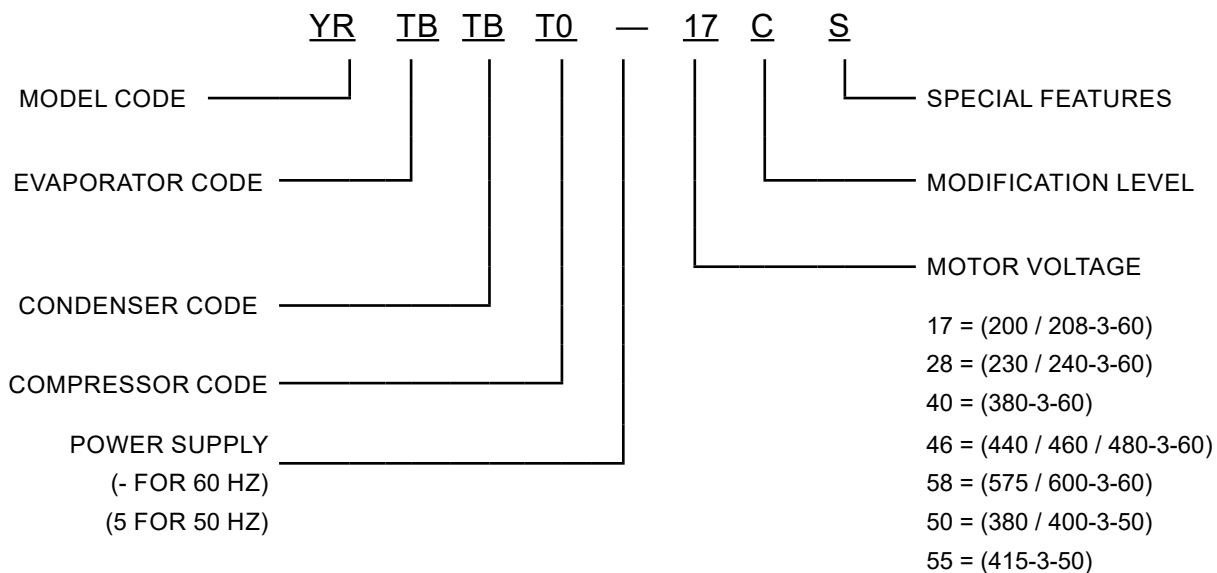
For parts availability and ordering YORK HVAC Parts within North America and Europe, use the following link:

[Parts Navigator \(solutionnavigator.com\)](https://solutionnavigator.com)

TABLE OF CONTENTS

TABLE 1 - Unit Components	6
TABLE 2 - Unit Piping.....	10
TABLE 3 - Variable Orifice / Hot Gas Bypass.....	16
TABLE 4 - T0-T3 Compressor Components	19
TABLE 5 - Single Oil Filter Arrangement.....	22
TABLE 6 - Dual Oil Filter Arrangement.....	22
TABLE 7 - Current Transformer Kit	24
TABLE 8 - Multiple Unit Sequence Kit (2 UNIT).....	25
TABLE 9 - Multiple Unit Sequence Kit (3 UNIT).....	25
TABLE 10 - Multiple Unit Sequence Kit (4 UNIT).....	25
TABLE 11 - Evaporator Compact Waterbox Gaskets.....	26
TABLE 12 - Evaporator MARine Waterbox Gaskets	27
TABLE 13 - Condenser Compact Waterbox Gaskets	28
TABLE 14 - Condenser Marine Waterbox Gaskets.....	29
TABLE 15 - Evaporator Tubes.....	30
TABLE 16 - Condenser Tubes.....	30
TABLE 17 - Neoprene Isolators.....	31
TABLE 18 - Spring Isolators	31
TABLE 19 - Flow Switch Control	32
TABLE 20 - Differential Pressure Control.....	32
TABLE 21 - Compressor with Motor (Mod C).....	33
TABLE 22 - Mod A Compressor Rebuild Kits	34
TABLE 23 - Mod B Compressor Rebuild Kits	34
TABLE 24 - Mod C Compressor Rebuild Kits.....	34
TABLE 25 - Piston Seal Kit - T2/T3 Mod A (375-74478-005)	35
TABLE 26 - Piston Seal Kit - T0/T1 Mod B (375-74478-001).....	35
TABLE 27 - Piston Seal Kit - T2/T3 Mod B (375-74478-002).....	35
TABLE 28 - Piston Seal Kit - T2/T3 Mod C (375-74478-003).....	36
TABLE 29 - Piston Seal Kit - T0/T1 Mod C (375-74478-004).....	36
TABLE 30 - Slide Valve Kit - T0 Mod A (375-74477-001).....	37
TABLE 31 - Slide Valve Kit - T1 Mod A (375-74477-002).....	37
TABLE 32 - Slide Valve Kit - T0 Mod B (375-74477-003)	37
TABLE 33 - Slide Valve Kit - T1 Mod B (375-74477-004)	37
TABLE 34 - Slide Valve Kit - T0 Mod C (375-74477-007)	38
TABLE 35 - Slide Valve Kit - T1 Mod C (375-74477-008)	38
TABLE 36 - Slide Valve Kit - T2 Mod C (375-74477-009)	39
TABLE 37 - Slide Valve Kit - T3 Mod C (375-74477-010)	39
TABLE 38 - Mod A/B Compressor to Mod C Compressor Conversion Kits	40
TABLE 39 - Conversion Kit Components	41
TABLE 40 - Wiring Conversion Kit (375-71794-001).....	41
TABLE 41 - Compressor Conversion Kit (371-71588-000)	42
TABLE 42 - Liquid Injection Retro Fit Kit (375-55812-000)	48
TABLE 43 - Oil Eductor Line Retro Fit Kit - Mod A/B to Mod C Rev. B (375-74549-000).....	50
TABLE 44 - Oil Level Sensor Retro Fit Kit (375-74548-000).....	52
TABLE 45 - Oil Line Retro Fit Kit - Mod A to Mod B (375-54389-000)	54

NOMENCLATURE



MISCELLANEOUS AND ACCESSORIES

DESCRIPTION	PART NUMBER	QUANTITY
Compound, Heat Conductive (For Thermometer Wells)	013-00898-000	4 OZ. CAN
Oil, York "H"	011-00549-000*	9 GALLONS
Adhesive, 3M Scotch	013-00995-000	5 OZ. TUBE
Touch-Up Paint, Caribbean Blue Enamel	013-01835-000	1 SPRAY CAN
Touch-Up Paint, Black (Control Center)	PURCHASE LOCALLY	1 SPRAY CAN
Tape, Electrical And Thermal Insulating	025-37829-000	1 (10 FT. ROLL)

*Part Number is for 5 Gallon Can

UNIT COMPONENTS

TABLE 1 - UNIT COMPONENTS

ITEM	DESCRIPTION	PART NUMBER			QTY.	FIG.	APPLICATION
		MOD A	MOD B	MOD C			
2	Valve, Check, 6" (prior 5/2012)	-	-	022-11341-000	1	1	T0/T1
	Valve, Check, 6" (after 5/2012)	-	-	322-12394-000			
	Valve, Check, 8" (prior 5/2012)	-	-	022-11371-000	1	1	T2/T3
	Valve, Check, 8" (after 5/2012)	-	-	322-12395-000			
5	Gasket, Discharge 6"	028-15075-012		-	3	1	T0/T1
	Gasket, Discharge 8"	028-15059-000		-	3	1	T2/T3
5A	Gasket, Discharge 6"	-	-	028-15363-101	1	1	T0/T1
5B	Gasket, Discharge 6"	-	-	028-15075-012	3	1	T0/T1 w/ Iso
5B	Gasket, Discharge 6"			028-15075-012	2	1	T0/T1 w/o Iso
5A	Gasket, Discharge 8"	-	-	028-15363-102	1	1	T2/T3
5B	Gasket, Discharge 8"	-	-	028-15075-013	3	1	T2/T3 w/ Iso
5B	Gasket, Discharge 8"	-	-	028-15075-013	2	1	T2/T3 w/o Iso
7	Gasket, Suction 8"	028-15075-113			2	1	T0/T1
	Gasket, Suction 10"	028-15075-114			2	1	T2/T3
8	Stud, Metric	021-17507-000			16	1	
	Stud, Metric	021-17507-000			8	1	T2 - 50 Hz
9	Washer, Metric, Lock	021-30690-000		-	17	1, 2	
	Washer, Metric, Lock	-	-	021-30690-000	25	1, 2	
10	Nut, Metric, Hex Thick; M20	021-17509-000		-	33	1, 2	
	Nut, Metric, Hex Thick; M20	021-17509-000		-	16	1, 2	T2/T3
	Nut, Metric, Hex Thick; M20	021-17509-000		-	25	1, 2	T2 - 50 Hz
	Nut, Metric, Hex Thick; M20	-	-	021-17509-000	49	1, 2	
	Nut, Metric, Hex Thick; M20	-	-	021-17509-000	32	1, 2	T2/T3
	Nut, Metric, Hex Thick; M20	-	-	021-17509-000	41	1, 2	T2 - 50 Hz
11	Screw, Metric Cap Hex Hd	02130171-000		-	8	1	
	Stud, Metric M20 x 200	-	-	021-31184-000	8	1	T0/T1
	Stud, Metric M20 x 240	-	-	021-31734-000	8	1	T2/T3
12	Washer, 13/16" ID x 1-1/2"	021-05157-000		-	8	1	
	Washer, 13/16" ID x 1-1/2"	021-17885-000		-	12	1	T2 - 50 Hz
	Washer, 13/16" ID x 1-1/2"	-	-	021-05157-000	16	1	
	Washer, 15/16" ID x 1-3/4"	-	-	021-17885-000	20	1	T2 - 50 Hz
13	Seal, O-ring 6"	028-14482-000			1	1	T0/T1/T2-50 Hz
	Seal, O-ring 7-1/2" ID	028-15061-000			1	1	T2/T3
14	Screw, Metric Cap Hex Hd	021-17669-000			8	1, 2	T2/T3
16	Valve, Relief 1-5/8"	022-10079-000			1	1	
	Valve, Relief 1-5/8"	022-10079-000			2	1	T2/T3
17	Seal, O-ring Neoprene	028-12961-017			1	1	
	Seal, O-ring Neoprene	028-12961-017			2	1	T2/T3
19	Valve, Stop Angle Vertical	022-09708-000		-	1	1	
	Valve, Stop Angle Vertical	-	-	022-10092-000	1	1	
20	Seal, O-ring Neoprene	028-12961-001			1	1	
21	Cap. Flare 1/4 Od	023-00479-000			1	1	

NOTE:

* When ordering a replacement separator for Mod "A", Mod "B", and Mod "C" with a date code prior to October 2009, you will also need to order a piping kit, Part Number 375-94014-000.

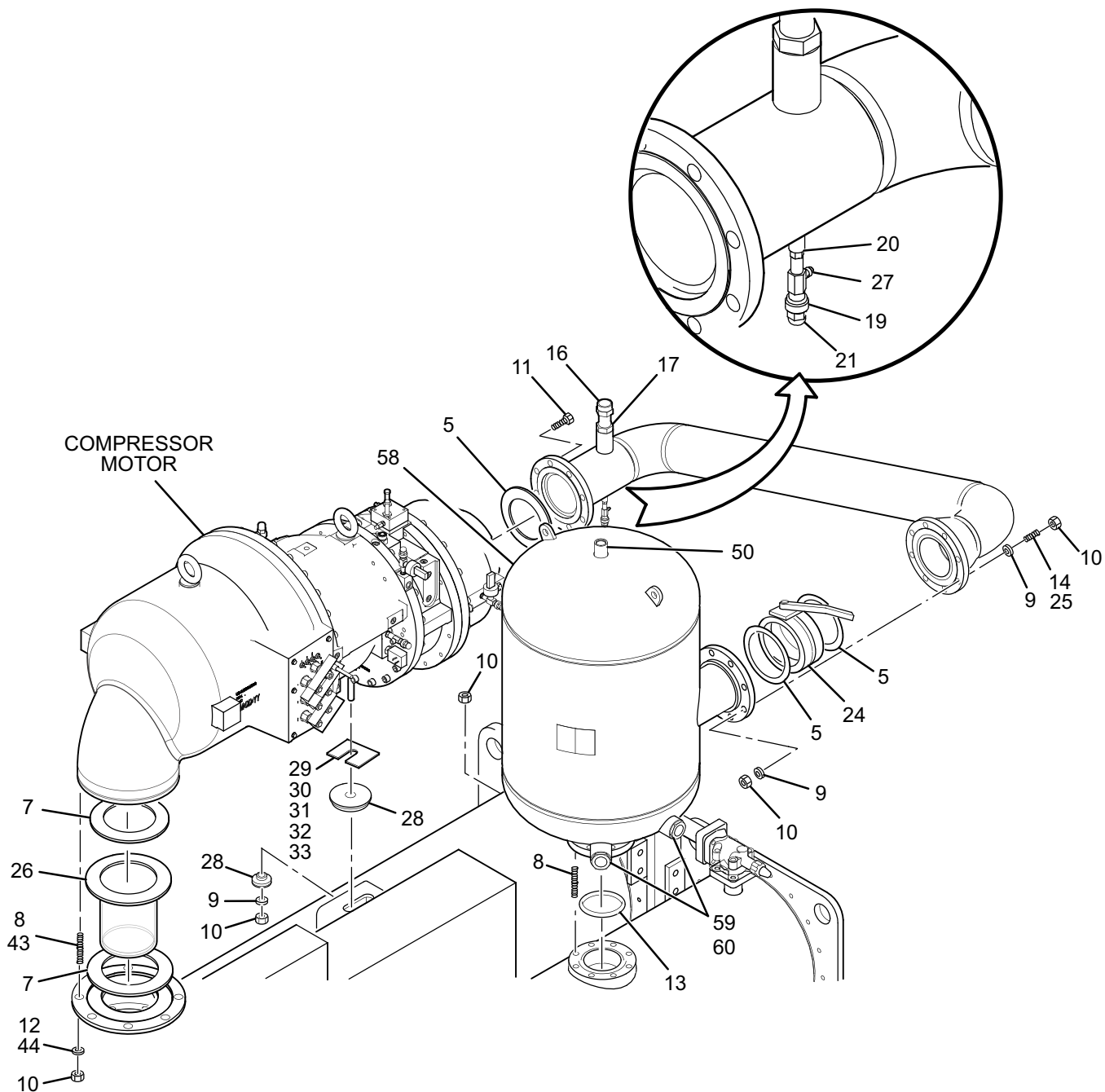
UNIT COMPONENTS (CON'T)**TABLE 1 (CONT'D) - UNIT COMPONENTS**

ITEM	DESCRIPTION	PART NUMBER			QTY.	FIG.	APPLICATION
		MOD A	MOD B	MOD C			
24	Valve, Butterfly 6" - 150#	022-10067-000		-	1	1	T & V - T2-50 Hz
24A	Valve, Butterfly 6" Repair Kit	022-10067-090		-	1	1	T & V - T2-50 Hz
24	Valve, Butterfly 6"	022-10641-006			1	1	T0/T1/T2-50 Hz
24	Valve, Butterfly 8"	022-09701-000			1	1	
25	Stud, Metric	021-31309-000			8	1, 2	
26	Strainer, Suction 8"	026-45520-001			1	1	T0/T1
	Strainer, Suction 10"	026-45520-002			1	1	T2/T3
27	Gasket, Flare 1/4" OD Tube	028-01259-000			1	1	
28	Kit, Isolator	028-15050-000			1	1	
29	Shim, Motor Mounting .126	067-85256-000			4	1	
30	Shim, Motor Mounting .056	067-85257-000			4	1	
31	Shim, Motor Mounting .034	067-85258-000			4	1	
32	Shim, Motor Mounting .018	067-85259-000			8	1	
33	Shim, Motor Mounting .006	067-85260-000			8	1	
43	Stud, Metric, Continuous	021-17511-000			12	1	T2 - 50 Hz & T2/T3
44	Washer, Metric, Lock	021-17521-000			12	1	T2 - 50 Hz & T2/T3
50	Seal, O-ring, 1-5/16"	028-12961-017			1	1, 2	
55	Spring, Muffler Clamp	-	-	075-61411-000	1	2	T0/T1 T2/T3 50Hz
	Spring, Muffler Clamp	-	-	075-61441-002	1	2	T2/T3
56	Muffler	-	-	075-61414-000	1	2	T0/T1 T2/T3 50Hz
	Muffler	-	-	075-61415-000	1	2	T2/T3
57	Clamp, Muffler	-	-	075-61412-000	1	2	T0/T1 T2/T3 50Hz
	Clamp, Muffler	-	-	075-61413-000	1	2	T1/T3
58	Separator, Oil, 26"	375-90589-000			1	1, 2	T0/T1
	Separator, Oil, 30"	375-90603-000			1	1, 2	T2/T3
59	Glass, Sight	023-17197-000			2	1	
60	Seal, O-ring	028-12961-009			2	1, 2	

NOTE:

* When ordering a replacement separator for Mod "A", Mod "B", and Mod "C" with a date code prior to October 2009, you will also need to order a piping kit, Part Number 375-94014-000.

UNIT COMPONENTS (CON'T)



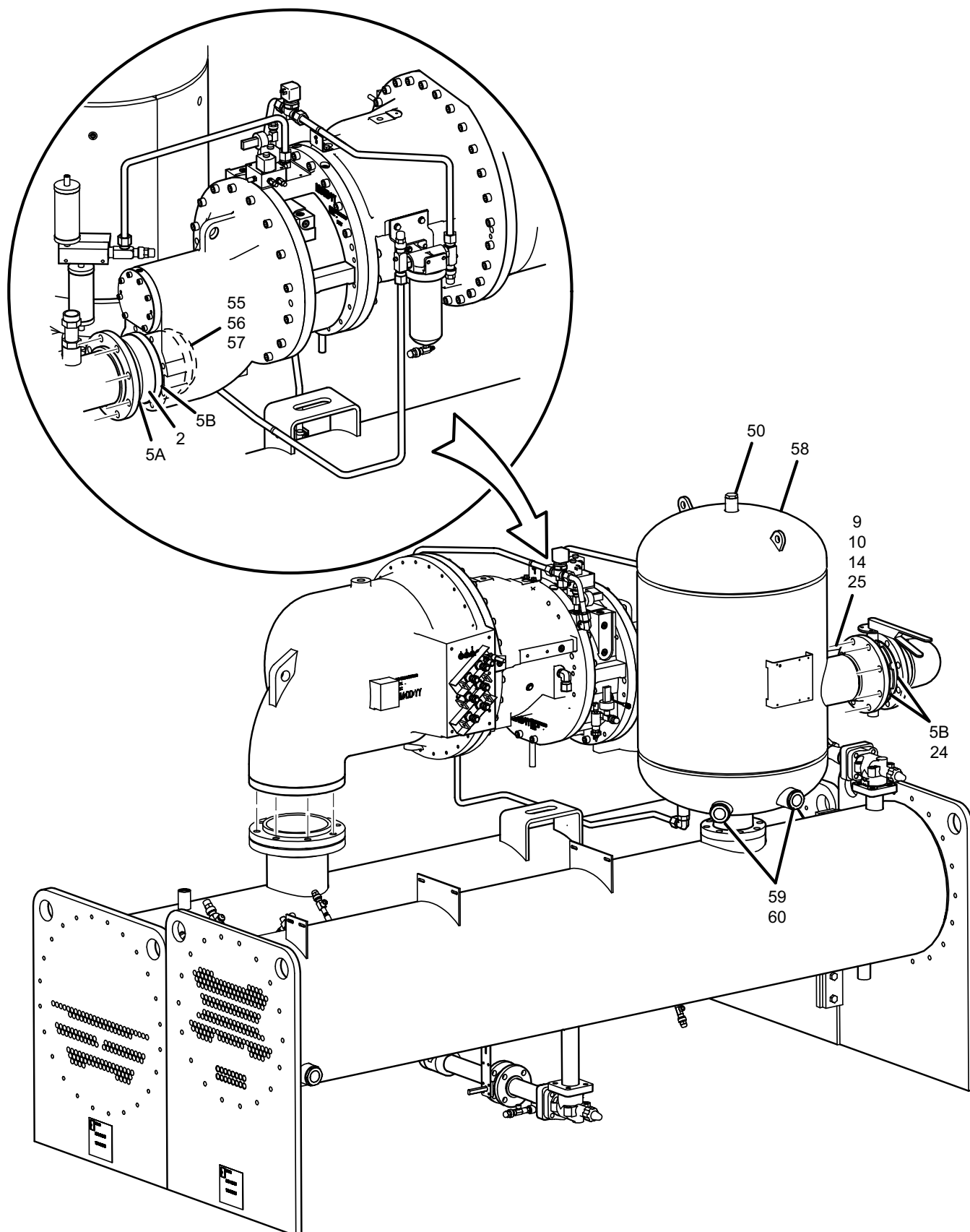
NOTE:

Mod Level A and B Compressor Shown

LD10450

FIGURE 1 - UNIT COMPONENTS

UNIT COMPONENTS (CON'T)



NOTE:

Mod Level C Compressor Shown

LD12382

FIGURE 2 - UNIT COMPONENTS

UNIT PIPING COMPONENTS

TABLE 2 - UNIT PIPING

ITEM	DESCRIPTION	PART NUMBER			QTY.	FIG.	APPLICATION
		MOD A	MOD B	MOD C			
1	Valve, Stop 3 Way 1-5/16"	022-10073-000			1	4	T0 / T1 w/ Iso Valve
	Valve, Stop 3 Way 1-5/8"	022-10074-000			1	4	T2 / T3 w/ Iso Valve
	Valve, Stop 3 Way 1-5/16"	022-10073-000			2	4	T0 / T1 w/o Iso Valve
	Valve, Stop 3 Way 1-5/8"	022-10074-000			2	4	T2 / T3 w/o Iso Valve
3	Valve, Relief 1-5/16"	022-10078-000			3	4	T0 / T1 w/ Iso Valve
	Valve, Relief 1-5/8"	022-10079-000			3	4	T2 / T3 w/ Iso Valve
	Valve, Relief 1-5/16"	022-10078-000			4	4	T0 / T1 w/o Iso Valve
	Valve, Relief 1-5/8"	022-10079-000			4	4	T2 / T3 w/o Iso Valve
4	Transducer Press. Disch.	025-28678-006			1	4	
5	Transducer Press. Suct.	025-28678-112			1	4	
6*	Filter, Drier 3/8"	026-37563-000			2	3, 4	
	Filter, Drier 3/4"	026-43089-000			2	3, 4	
7	Nut, 3/8" OD Tube	023-18977-000			8	3, 4	
8	Sleeve, 3/8" OD Tube	023-18978-000			8	3, 4	
9	Tube, Steel, 3/8" OD x .035	075-84012-000			3	3, 4	
10	Valve, Solenoid 3/8"	025-35150-004			1	4	
11	Valve, Stop Angle 3/8"	022-10054-000			2	3, 4	
12	Valve, Stop Angle	022-10054-000	022-10054-022	022-10047-000	1	3, 4	
14	Nut, 3/4" OD Tube	023-18286-000			10	3	
15	Sleeve, 3/4" OD Tube	023-18284-000			10	3	
16	Tube, Steel, 3/4" OD x .065	075-84013-000			3	3	
17	Clamp, Tube 3/4" OD	021-10652-000			3	3	
18	Screw, Cap Hex #10	021-10153-000			1	3	
19	Lockwasher, #10	021-05265-000			1	3	
20	Nut, Hex, #10-24unc-2B	021-19622-000			1	3	
21	Seal, O-ring, 1/2"	028-12961-002			2	4	
22	Seal, O-ring, 9/16"	028-12961-003			3	3, 4	

NOTE:

Verify existing Filter Drier size.

UNIT PIPING COMPONENTS (CON'T)

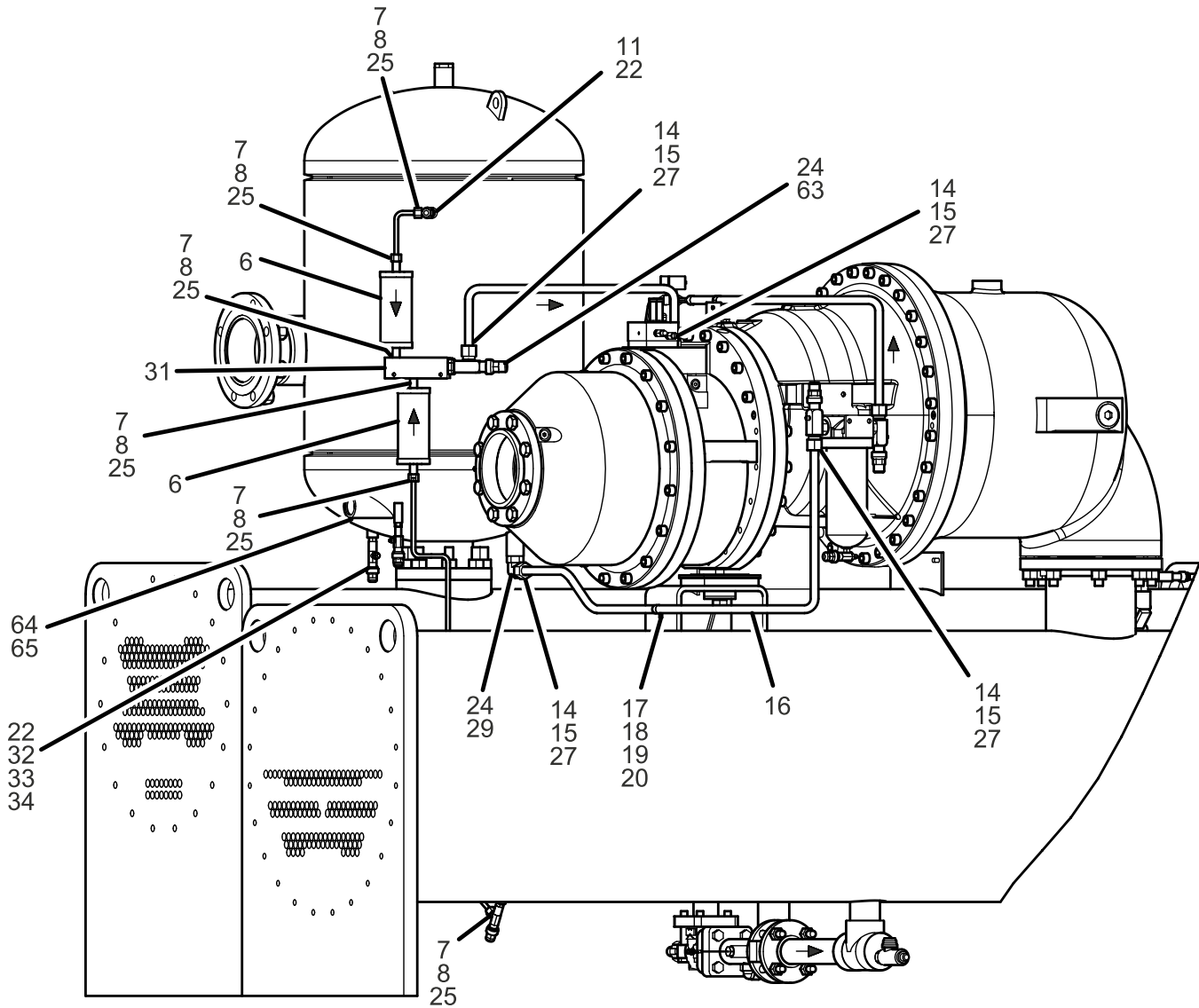
TABLE 2 (CONT'D) - UNIT PIPING

ITEM	DESCRIPTION	PART NUMBER			QTY.	FIG.	APPLICATION
		MOD A	MOD B	MOD C			
23	Seal, O-ring, 1-5/16"	028-12961-008			4	4	T0 / T1 w/ Iso Valve
	Seal, O-ring, 1-5/8"	028-12961-017			4	4	T2 / T3 w/ Iso Valve
	Seal, O-ring, 1-5/16"	028-12961-008			6	4	T0 / T1 w/o Iso Valve
	Seal, O-ring, 1-5/8"	028-12961-017			6	4	T2 / T3 w/o Iso Valve
24	Seal, O-ring, 1-1/16"	028-12961-006			5	3	
25	Seal, O-ring, 11/16"	028-12961-012			11	3, 4	
27	Seal, O-ring, 1-3/16"	028-12961-015			11	3	
29	Elbow, 3/4" OD, 90°	023-18291-000			1	2	
31	Block, Oil Eductor	026-37587-000			1	2	
32	Valve, Stop Angle Vertical	022-09578-000			1	2	
33	Gasket, Flare 3/8" OD	028-01258-000			1	2	
34	Cap, Flare 3/8" OD	023-00977-000			1	2	
38	Coupling, Special 3/8" (F)	023-20282-000			1	4	
	Coupling, Special 3/4"	023-22826-000			1	4	
40	Clamp, Tube 3/8" Od	023-05284-000			1	3	
41	Screw, Mach Pan Hd	021-03743-000			2	3	
42	Lockwasher, Th Int #8	021-01133-000			2	3	
43	Nut, Hex Mach Scr #8-32	021-08661-000			4	3	
55	Bracket, Oil Eductor	075-65125-000			1	3	
57	Lockwasher, Thin 7/16	021-01161-000			1	3	
58	HHCS M10 x 35	021-31977-000			4	3	
59	Nut, Metric M10	021-30687-000			2	3	
60	Screw, Cap Metric	021-30675-000			2	3	
61	Tee, 1-3/16-12Un	023-23588-000			1	3	
62	Sensor, Oil Level 3/4"	025-41877-000			1	3	
63	Valve, Stop Angle 3/4"	022-11372-000			1	2	

NOTE:

Verify existing Filter Drier size.

UNIT PIPING COMPONENTS (CON'T)



LD12626

FIGURE 3 - UNIT PIPING (MOD A/B)

UNIT PIPING COMPONENTS (CON'T)

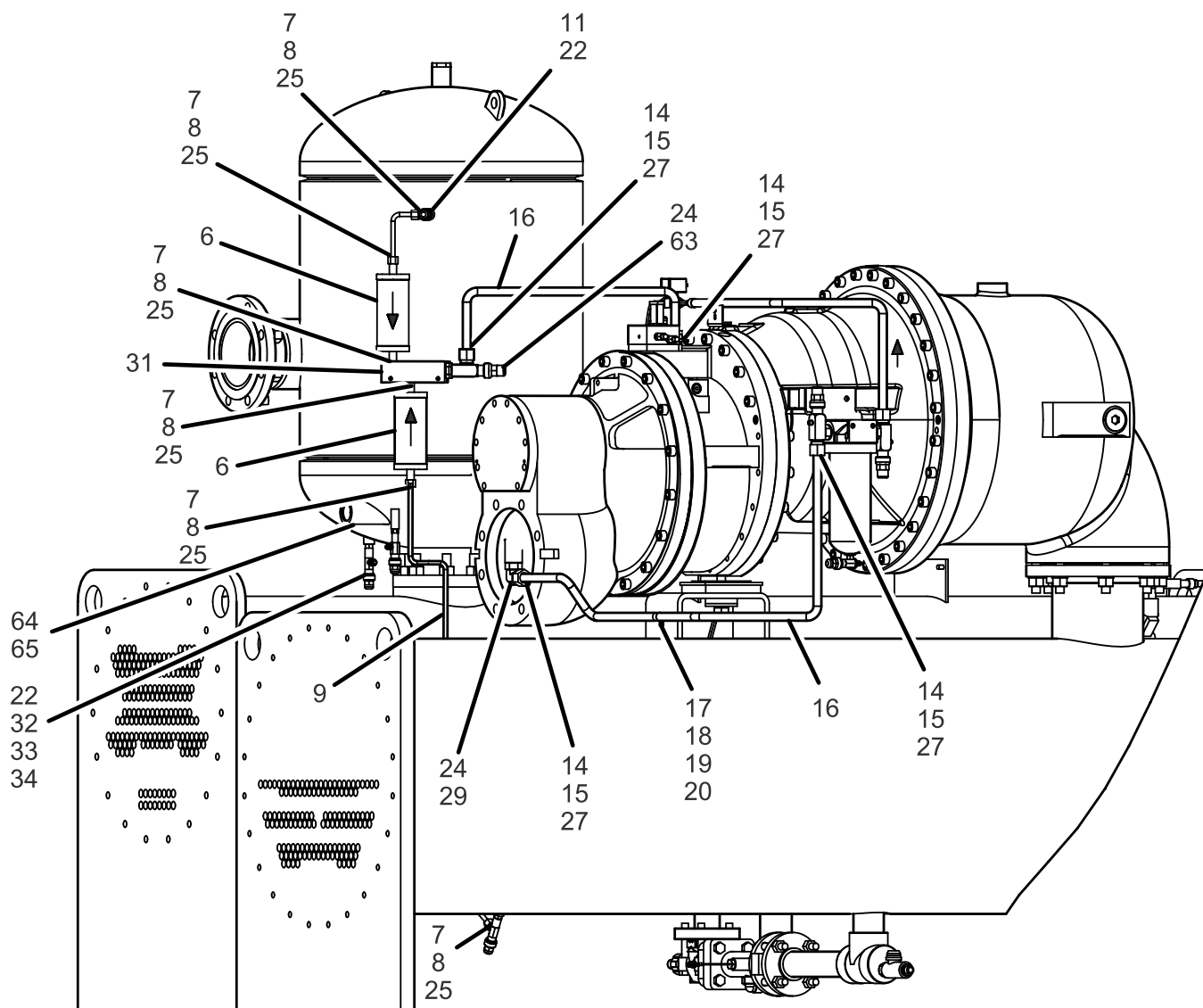
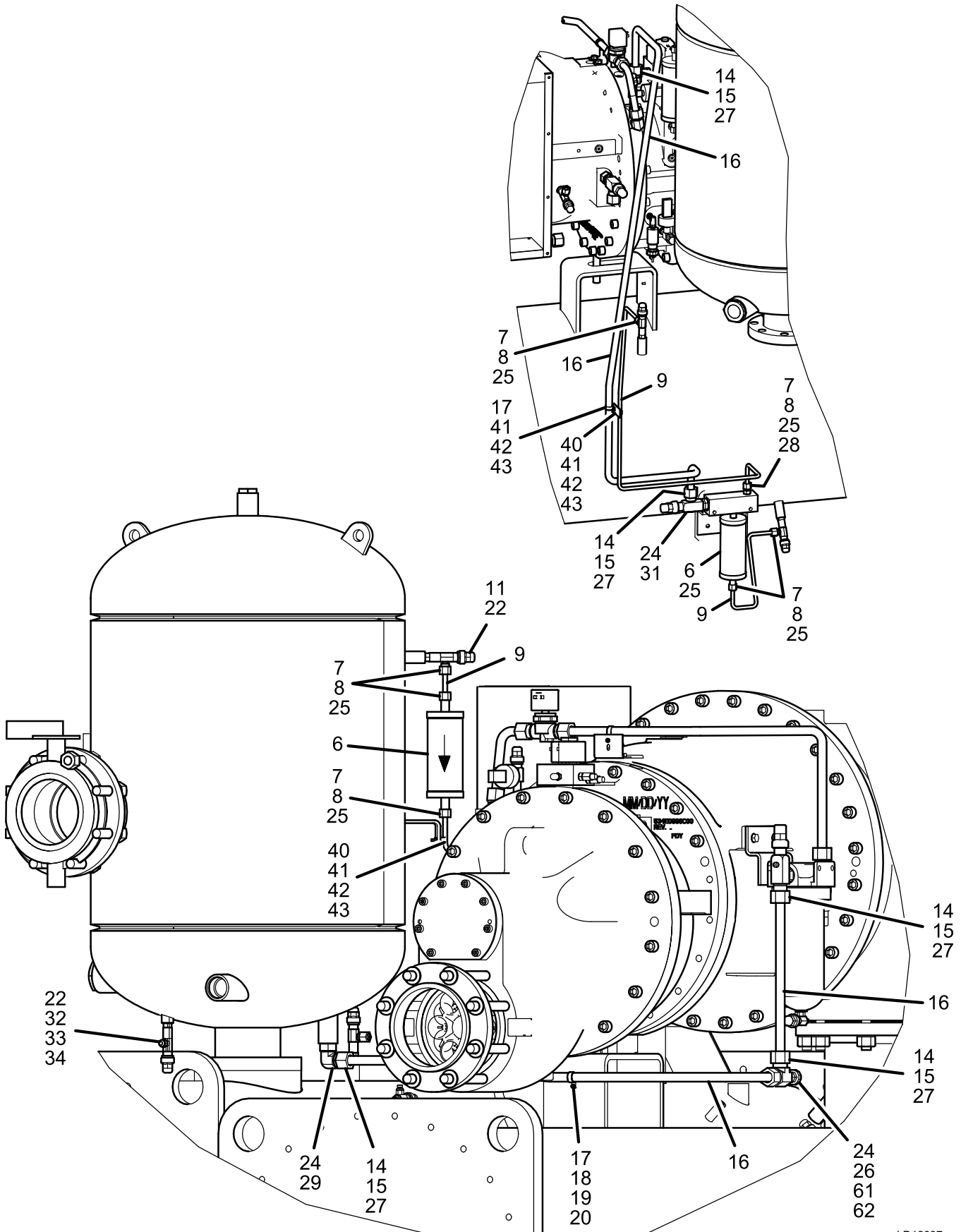


FIGURE 3 (CONT'D) - UNIT PIPING (MOD C REV A)

LD12625

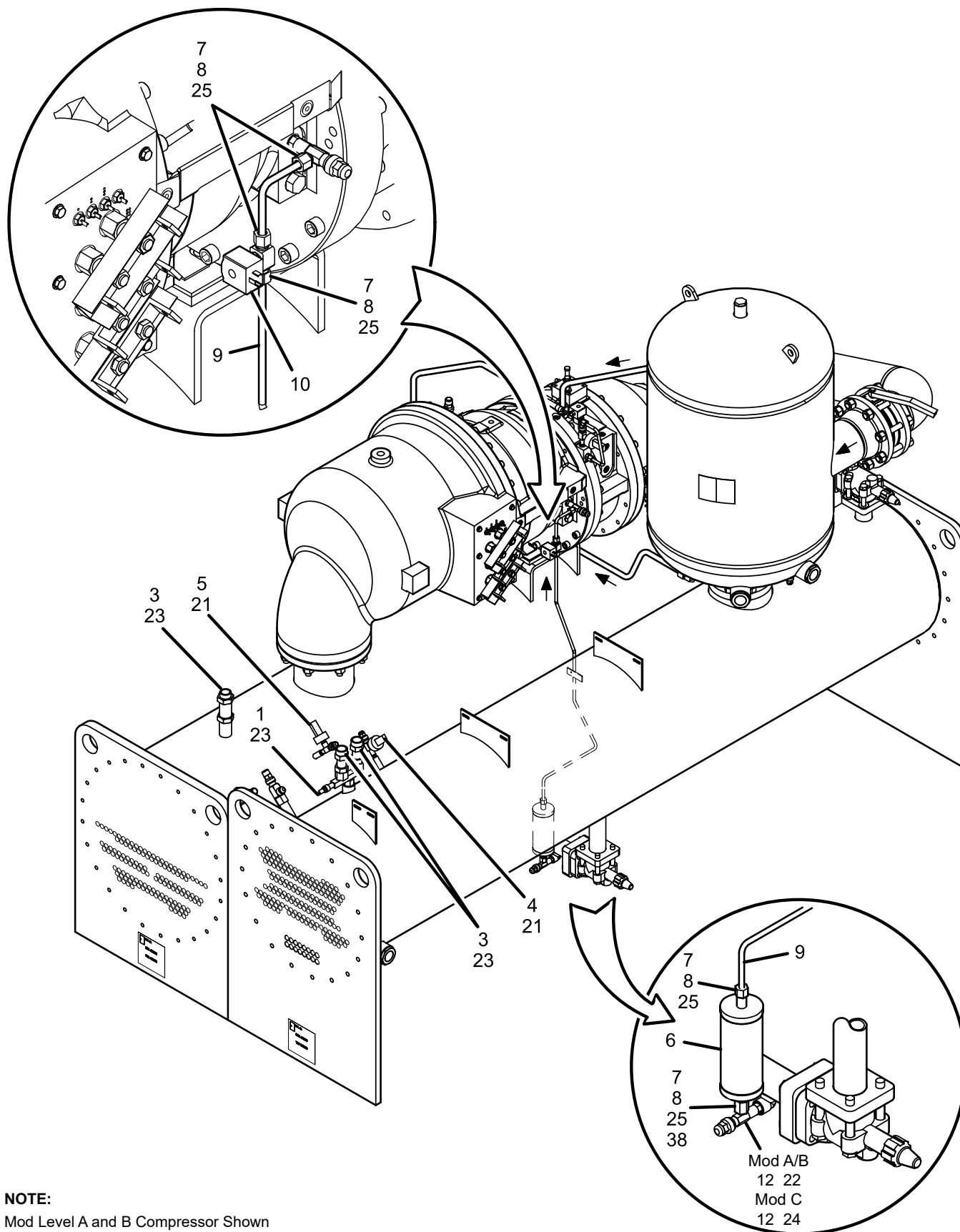
UNIT PIPING COMPONENTS (CON'T)



LD12637

FIGURE. 3 (CONT'D) - UNIT PIPING (MOD C REV. B)

UNIT PIPING COMPONENTS (CON'T)



VARIABLE ORIFICE / HOT GAS BYPASS

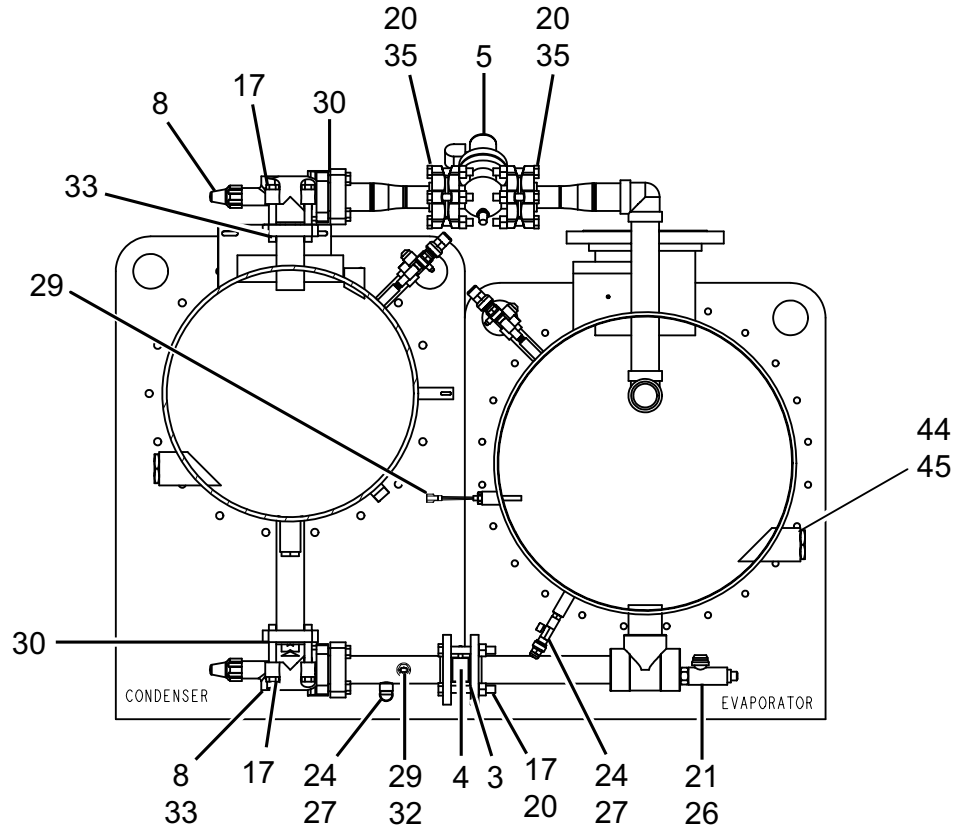
TABLE 3 - VARIABLE ORIFICE / HOT GAS BYPASS

ITEM	DESCRIPTION	PART NUMBER			QTY.	FIG.
		MOD A	MOD B	MOD C		
3	Gasket, Round ANSI 2-150#	028-15075-006			2	5
4	Valve, Butterfly, Size 2	022-10642-002			1	5
5	Valve, Pilot Operated (Prior 3/2010)	022-10095-000			1	5
	Valve, Pilot Operated (After 3/2010)	022-12057-000				
5A	Valve, Pilot, Repair Kit	022-10095-090			1	5
8	Valve, Stop	022-10048-000			2	5
17	Screw, Cap 5/8" - 11unc	021-12282-000			12	5
20	Nut, Hex 5/8" - 11 unc	021-09287-000			12	5
21	Valve, Ball 1-1/16" - 12	022-09757-000			1	5
23	Valve, Stop Angle Vertical	022-09573-000			2	6
24	Valve, Stop Angle Vertical	022-10054-000			2	6
25	Valve, Stop Angle Vertical	022-09577-000			2	6
26	Seal, O-ring, 1-1/16"	028-12961-006			1	5
27	Seal, O-ring, 9/16"	028-12961-003			2	5
28	Seal, O-ring, 7/16"	028-12961-001			2	6
29	Seal, O-ring, 3/4"	028-12961-004			2	5
30	Gasket, 2" Valve	064-47078-000			2	5
31	Gasket, Seal 1" OD x 7/8"	028-04836-000			2	6
32	Plug, 1-1/16	023-18295-000			1	5
33	Gasket, Flange	028-14463-000			2	5
35	Screw, Cap 5/8" - 11unc	021-01647-000			8	5
43	Seal, O-ring, 1-5/16"	028-12961-008			2	6
44	Plug, Sight 2-1/4"-12 Un-2A	023-17197-000			2	6
45	Seal, O-ring, 2-1/4"	028-12961-009			2	6
46	Sensor, Temp.	025-29964-000			4	7
47	Heater, Immersion 1-5/8"	025-33703-000			1	7
47A	Thermostat (0-127°F)	022-33703-090			1	7
48	Seal, O-ring 1-5/8"	028-12961-017			1	7
49	Well, Thermo	026-32328-000			4	7
50	Sensor, Level R-134a	025-35144-000		025-46044-006	1	7
51	Gasket, Seal 1" OD x 7/8"	028-04836-000			1	7
52	Actuator Motor	025-33731-000		025-38177-000	1	7
53	Seal, Teflon Fiber 3/4"	028-12709-000			1	7

NOTE:

If liquid line temperature sensor is NOT operational, remove sensor and all associated wiring and replace sensor with items 29 and 32.

VARIABLE ORIFICE / HOT GAS BYPASS (CON'T)



LD10989

FIGURE 5 - VARIABLE ORIFICE / HOT GAS BYPASS

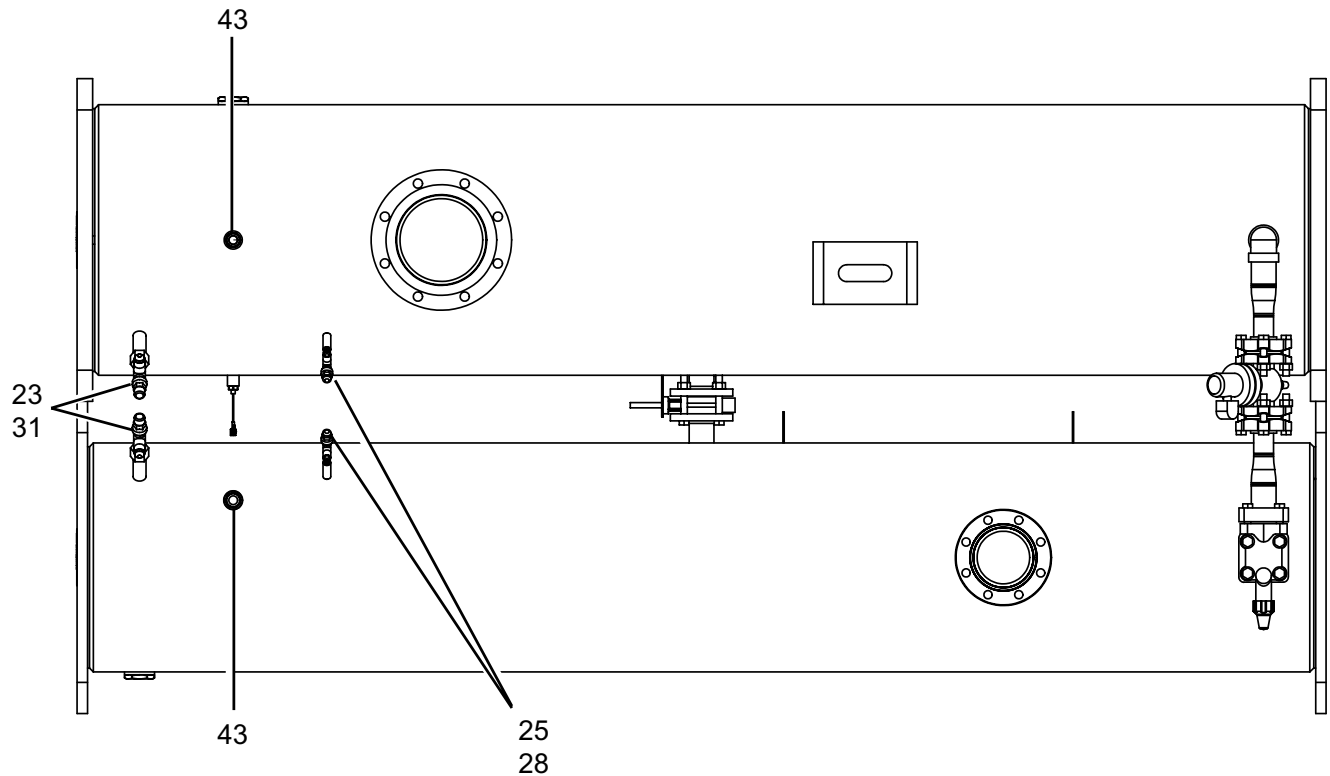
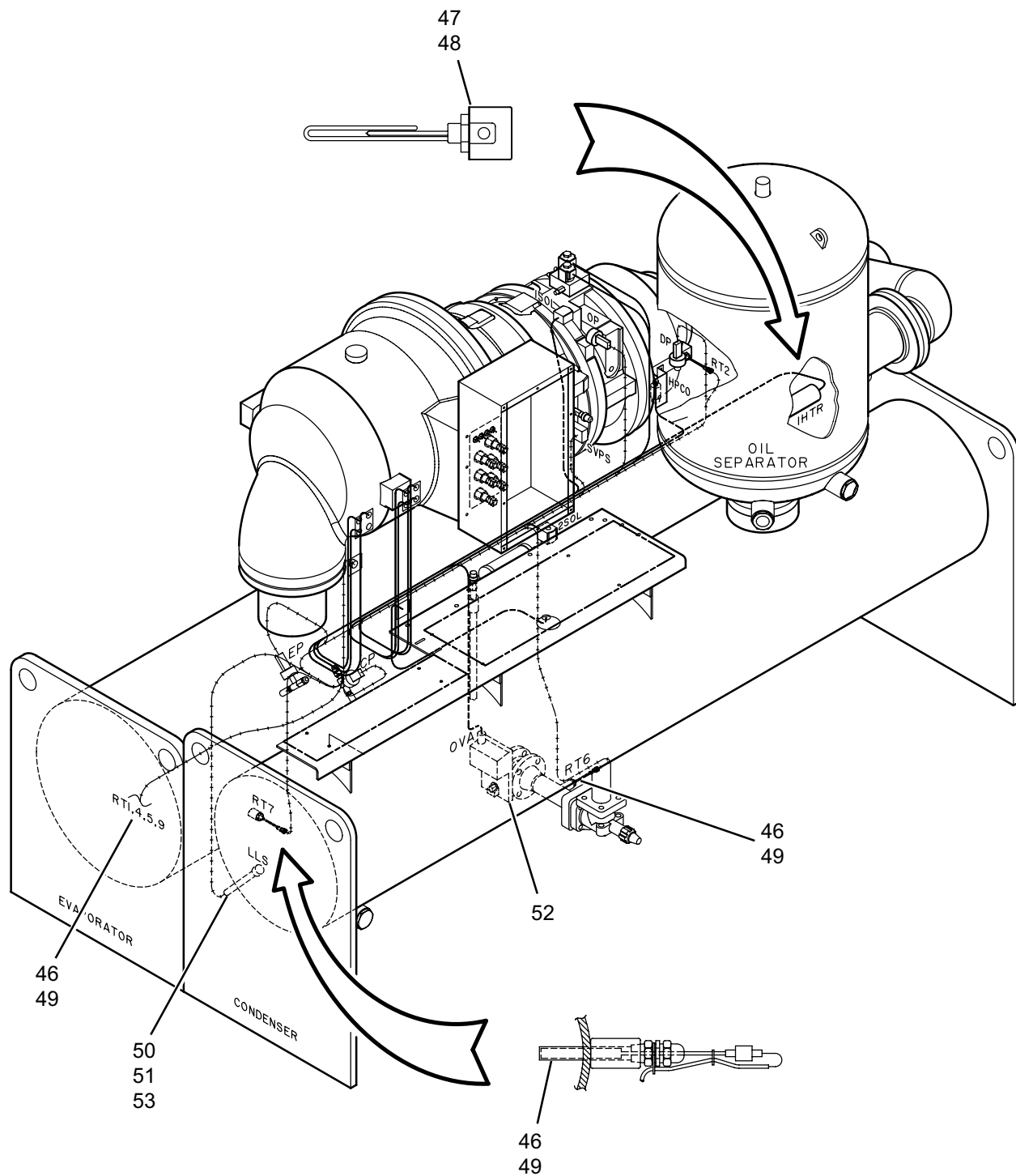


FIGURE 6 - VARIABLE ORIFICE / HOT GAS BYPASS

LD09398

VARIABLE ORIFICE / HOT GAS BYPASS (CONT'D)



NOTE:
Mod Level A and B Compressor Shown

FIGURE 7 - VARIABLE ORIFICE / HOT GAS BYPASS

LD09398

T0 THROUGH T3 COMPRESSOR COMPONENTS

TABLE 4 - T0-T3 COMPRESSOR COMPONENTS

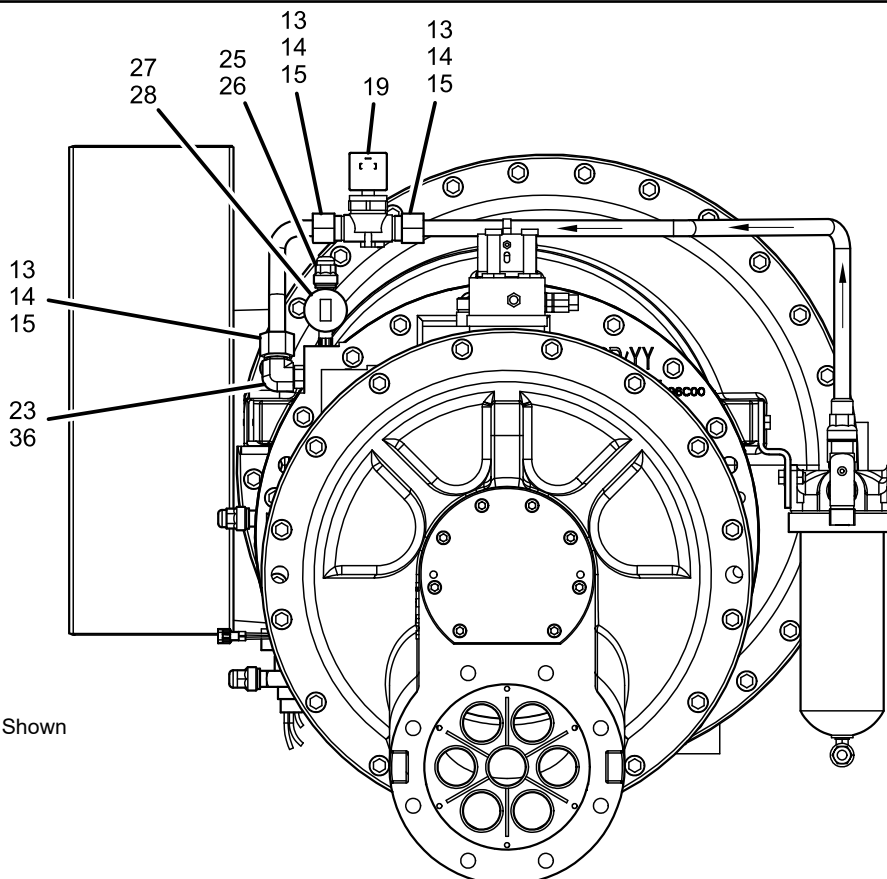
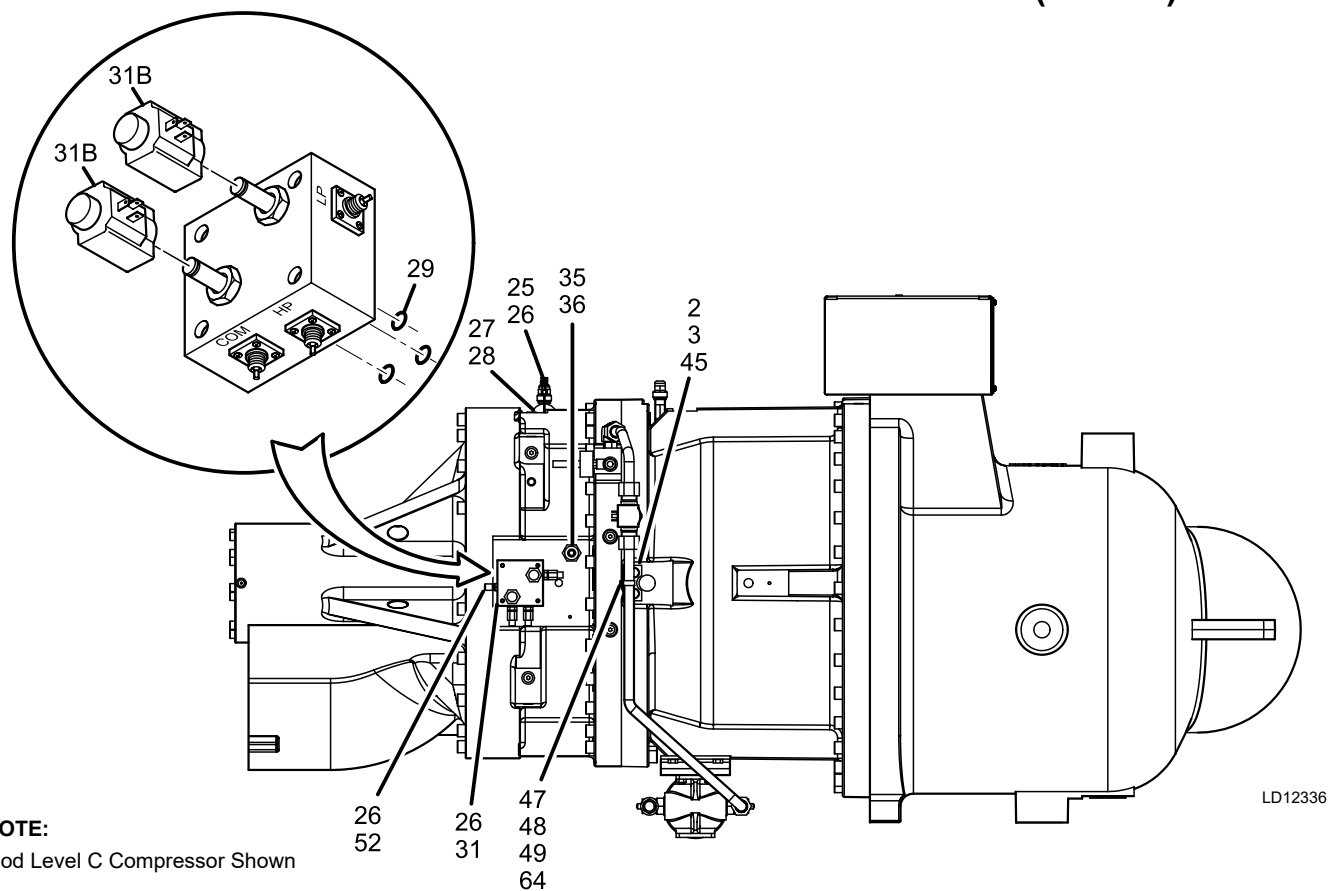
ITEM	DESCRIPTION	PART NUMBER			QTY.	FIG.
		MOD A	MOD B	MOD C		
3	Lockwasher, Th Int 7/16"	-	-	021-01161-000	13	10
4	Stud, Metric Continuous	021-17510-000			1	11
19	Valve, Solenoid	025-35150-104			1	9, 10
23	Fitting, Elbow	023-21877-000		023-21937-000	1	9
24	Seal, O-Ring Neoprene	028-12961-003			1	9
25	Valve, Stop Ang Vertical	022-09577-000			2	8, 11
27	Transducer, Pressure, Oil Disch.	025-28678-006			2	8, 11
28	Seal, O-Ring Neoprene	028-12961-002			2	8, 11
29	O-ring, Neoprene	02812961-001			3	8
30	Sensor, Discharge Temp.	025-41875-000			1	8, 11
31	Capacity Control Assy. w/Coil	026-37588-000			1	8
	Capacity Control Assy. w/o Coil	029-23720-000				
31A	Gasket Kit	026-37914-000			1	8
31B	Valve, Solenoid	025-35169-000			2	8
32	Valve, Stop Ang Vertical	022-10054-000			1	11
33	Seal, O-Ring Neoprene	028-12961-003			1	11
34	Screw, Metric Cap	-	-	021-19651-000	4	10
35	Connector, 3/4" OD Male	023-20299-000			1	8
36	Seal, O-Ring Neoprene	028-12961-004			1	8, 11
40	Bus Bar T0/T3	071-02776-321			3	11
45	Bracket, Oil Line Compr	075-44522-000			1	8
51	Nut, Metric Hex Thick; M10	-	-	021-30687-000	2	10
52	Valve, Access 7/16"-20UNF	022-09783-000			1	8
59	Insulator	071-02776-348			2	*
60	Elbow, 90° 3/16" OD 3/8"	023-21776-000		023-21971-000	1	11
61	Seal, O-Ring Neoprene	028-12961-021			2	11
62	High Pressure Cutout	025-35932-000		325-40393-000	1	11
63	Support Bracket H.P. Switch	075-47389-000			1	*
64	Terminal, Thermistor	023-20261-000			4	11
65	Terminal, Motor, Repair Kit, T0/T1	534A0934H01			6	11
65A	Terminal, Motor T0/T1	534B0791H01			6	11
65B	O-ring, Motor Terminal	980A0032K64			6	11
65C	O-ring, Motor Terminal	980A0032H96			6	11
65	Terminal, Motor, Repair Kit, T2/T3	534A0935H01			6	11
65A	Terminal, Motor T2/T3	534B0791H01			6	11
65B	O-ring, Motor Terminal	980A0032K64			6	11
65C	O-ring, Motor Terminal	980A0032H99			6	11

NOTE:

* Items are NOT shown

When Frick® part numbers are provided order replacement parts from Frick®.

T0 THROUGH T3 COMPRESSOR COMPONENTS (CON'T)



T0 THROUGH T3 COMPRESSOR COMPONENTS (CON'T)

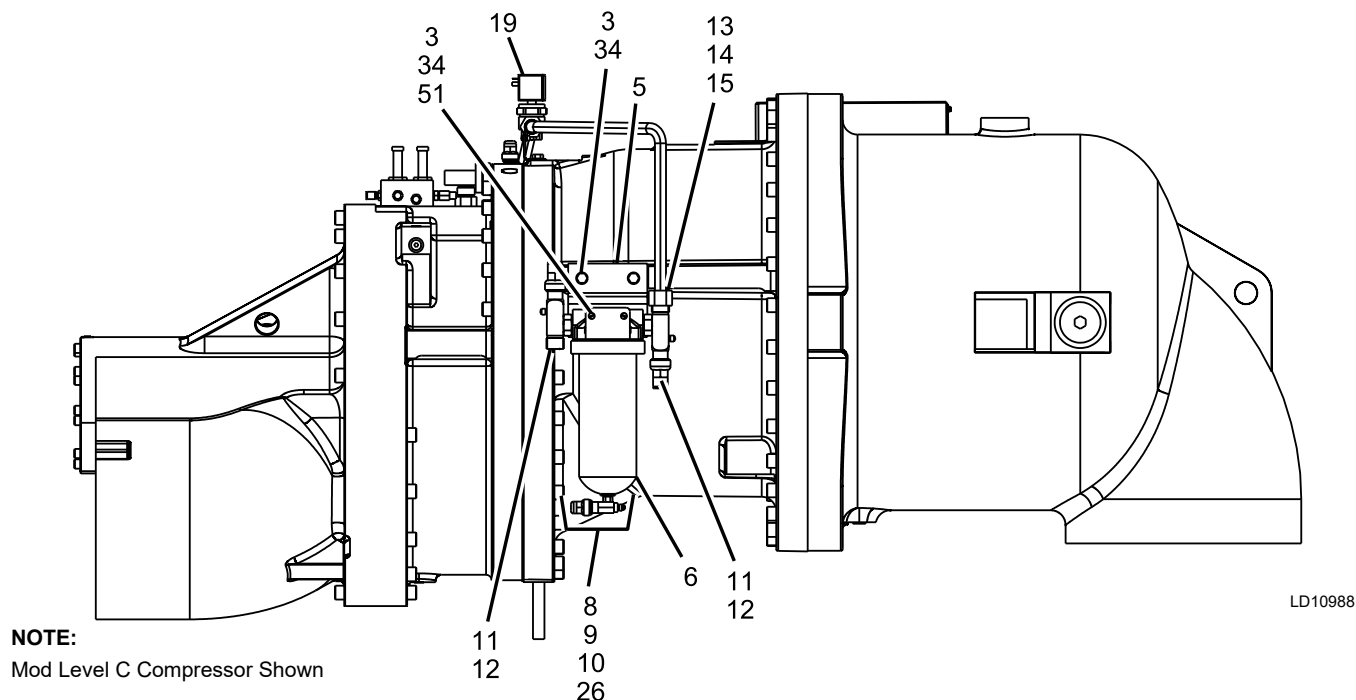


FIGURE 10 - COMPRESSOR COMPONENTS

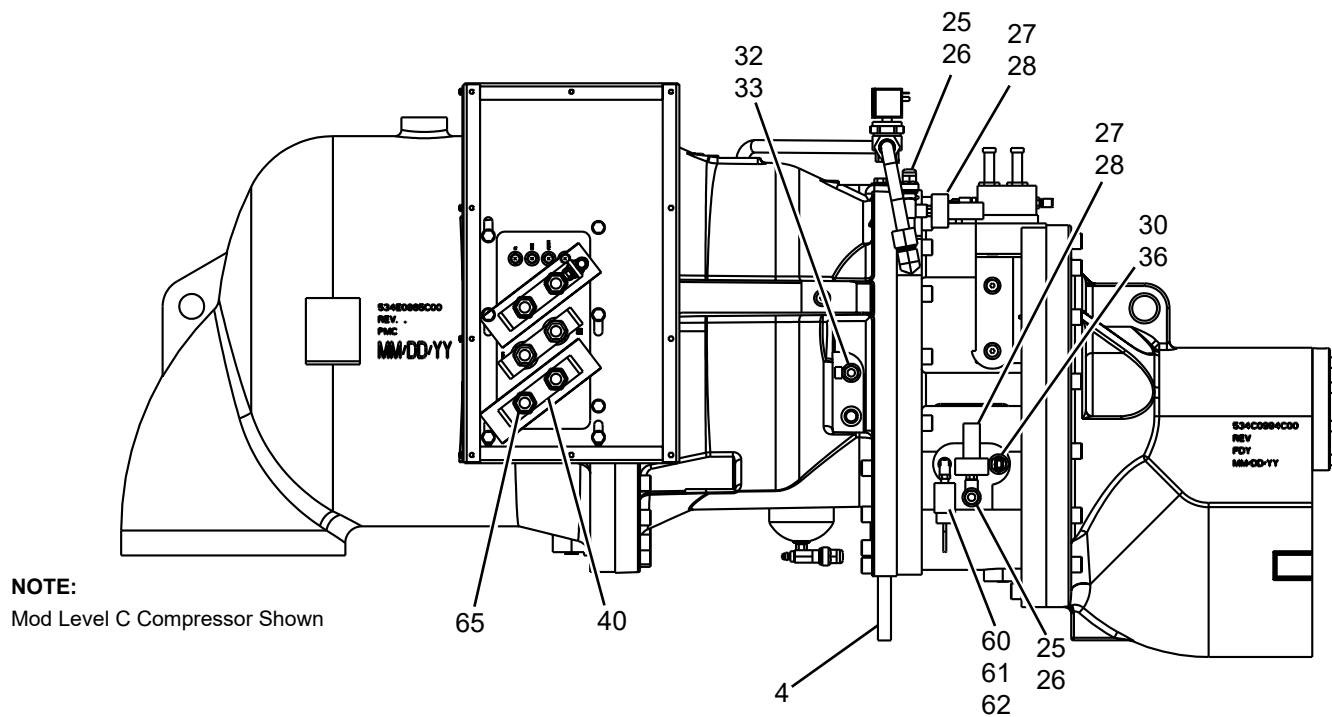


FIGURE 11 - COMPRESSOR COMPONENTS

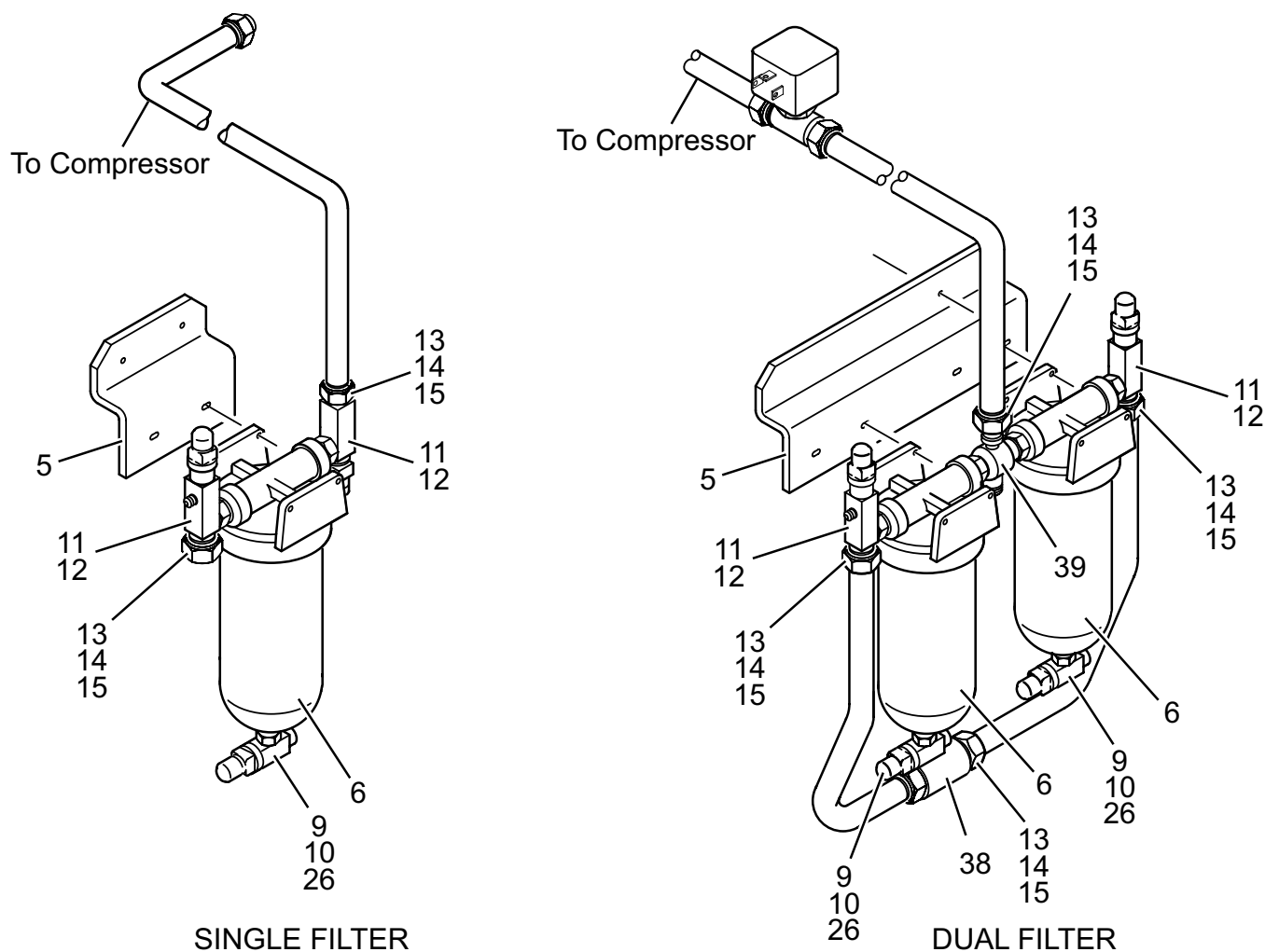
OIL FILTER ARRANGEMENTS

TABLE 5 - SINGLE OIL FILTER ARRANGEMENT

ITEM	DESCRIPTION	PART NUMBER			QTY.	FIG.
		MOD A	MOD B	MOD C		
5	Bracket, Oil Filter	075-41294-000			1	10, 12
6	Housing, Filter Oil	026-37589-000			1	10, 12
-	Kit, Filter and O-ring	364-50438-000			2	10, 12
9	Gasket, Flare 1/4" OD	028-01259-000			1	10, 12
10	Valve, Stop Ang Vertical	022-10092-000			1	10, 12
11	Valve, Stop Ang Vertical	022-10046-000			2	10, 12
12	Seal, O-Ring Neoprene	028-12961-006			2	10, 12
13	Nut, 3/4" OD Tube	023-18286-000			4	9, 10, 12
14	Sleeve, 3/4" OD Tube	023-18284-000			4	9, 10, 12
15	Seal, O-Ring Neoprene	028-12961-015			4	9, 10, 12
26	Seal, O-Ring Neoprene	028-12961-001			7	8, 10, 11, 12

TABLE 6 - DUAL OIL FILTER ARRANGEMENT

ITEM	DESCRIPTION	PART NUMBER			QTY.	FIG.
		MOD A	MOD B	MOD C		
5	Bracket, Oil Filter	075-41298-000			1	12
6	Housing, Oil Filter	026-37589-000			2	12
-	Kit, Filter and O-ring	364-50438-000			2	12
9	Gasket, Flare 1/4" OD	028-01259-000			2	12
10	Valve, Stop Ang Vertical	022-10092-000			2	12
11	Valve, Stop Ang Vertical	022-10046-000			2	12
12	Seal, O-ring Neoprene	028-12961-006			2	12
13	Nut, 3/4" OD Tube	023-18286-000			8	9, 12
14	Sleeve, 3/4" OD Tube	023-18284-000			8	9, 10
15	Seal, O-ring Neoprene	028-12961-015			8	9, 10
26	Seal, O-ring Neoprene	028-12961-001			9	8, 11, 12
38	Tee, Union 3/4"	023-18913-000			1	12
39	Valve, 3-way Ball	022-10094-000			1	12
39A	Valve, Repair Kit	022-10094-090			1	12



LD11391

FIGURE 12 - FILTER ARRANGEMENT

O-RING KIT

(028-15058-000)

200 YRS COMPRESSOR

ITEM NO.	DESCRIPTION	QTY.
201	2 - 012	3
202	2 - 015	1
203	2 - 020	3
204	2 - 042	2
205	2 - 154	2
206	2 - 161	2
207	2 - 238	2
208	2 - 388	1
209	2 - 391	1
210	2 - 385	1
211	2 - 903	1
212	2 - 904	7
213	2 - 906	12
214	2 - 908	6
215	2 - 912	6
216	2 - 932	1

** Items only available in O-ring Kit

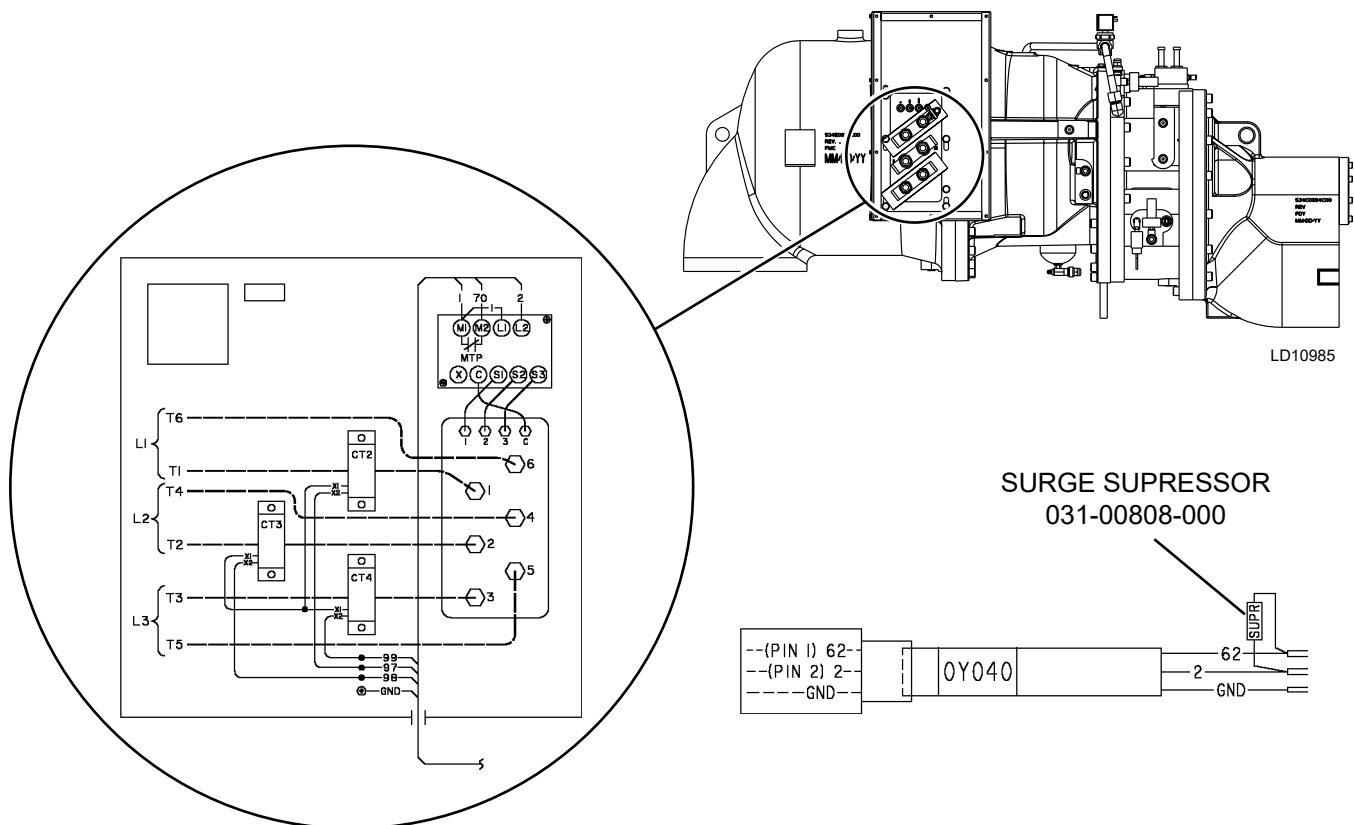
KIT CURRENT TRANSFORMER SELECTION USE WITH FIELD INSTALLED ELECTRICAL-MECHANICAL STARTERS ONLY

1. Using motor voltage and full load amps (FLA) choose the current transformer ratio. This ratio will determine the "CT" kit part number to be entered on the Sales Order.
2. Using the proper equation in the last column of the chart, calculate the resistor setting "R". Enter this value (rounded off to 2 decimal places) on the Sales Order in the space provided.
3. Using LRA and FLA data, calculate the "CM" ratio setting and enter this value (rounded off to 1 decimal place) on the Sales Order in the space provided.

$$\text{CM ratio setting} = \frac{\text{LRA}}{\text{FLA}}$$

TABLE 7 - CURRENT TRANSFORMER KIT

CURRENT TRANSFORMER KIT						
MOTOR VOLTAGE	FLA	“CT” RATIO	PART NUMBER	“R” RESISTOR SETTINGS	“CT” ONLY	PROTECTOR MODULE
200 / 600	65 - 111	200 : 1	375-37088-701	$R = \frac{1.282 \text{ (CT RATIO)}}{\text{MOTOR FLA}}$	025-21173-001	024-30989-000
	112 - 224	350 : 1	375-37088-702		025-21173-002	
	225 - 829	700 : 1	375-37088-703		025-21173-003	
	830 - 1790	1400 : 1	375-37088-704		025-21173-004	



MULTIPLE UNIT SEQUENCE KIT CONTROLS

TABLE 8 - MULTIPLE UNIT SEQUENCE KIT (2 UNIT)

ITEM NUMBER	DESCRIPTION	PART NUMBER	QUANTITY PER UNIT
1	Control, Temp. Range, 20 to 80	025-15154-000	1
2	Relay, TD on 115v 50/60 CY	024-30497-000	1
3	Switch, Toggle, 4PDT On-None	024-14057-000	1
4	Socket, Relay	024-24953-000	1

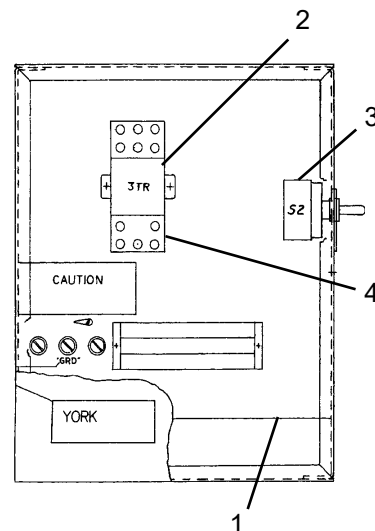


TABLE 9 - MULTIPLE UNIT SEQUENCE KIT (3 UNIT)

ITEM NUMBER	DESCRIPTION	PART NUMBER	QUANTITY PER UNIT
1	Relay, TD on 115v 50/60 CY	024-30497-000	2
2	Relay, Control 120v Coil	024-14519-000	2
3	Relay, Control 120v 50/60Hz	024-17027-000	3
4	Switch, Toggle 3 Position	024-17026-000	1
5*	Well Bulb, 50/60/75/100 12	367-35168-000	1
6*	Socket, Relay	024-24953-000	2

* Items are NOT shown

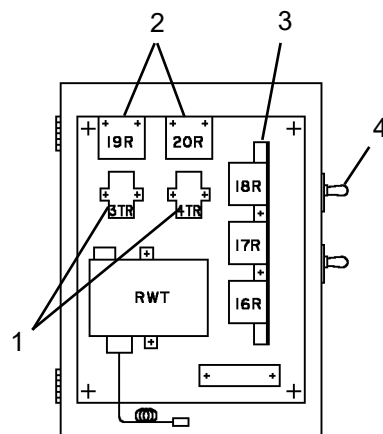
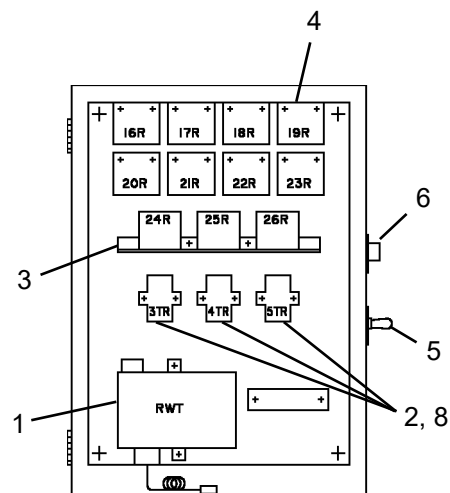


TABLE 10 - MULTIPLE UNIT SEQUENCE KIT (4 UNIT)

ITEM NUMBER	DESCRIPTION	PART NUMBER	QUANTITY PER UNIT
1	Control, Temperature, 3 Stage	025-10214-000	1
2	Relay, TD on 115v 50/60 CY	024-30497-000	3
3	Relay, Control 120v 50/60Hz	024-17027-000	3
4	Relay, Control 120v Coil	024-14519-000	8
5	Switch, Toggle SPST On-None	024-11736-000	1
6	Switch, Rotary 4 CKT 15A 1	024-20494-000	1
7*	Well Bulb, 50/60/75/100 12	367-35168-000	1
8	Socket, Relay	024-24953-000	3

* Items are NOT shown



EVAPORATOR WATERBOX GASKETS

TABLE 11 - EVAPORATOR COMPACT WATERBOX GASKETS

WORKING PRESSURE	TYPE WATER BOX	SHELL CODE	PASS	WATER BOX GASKET	QTY. FT	PASS BAFFLE GASKET	QTY. FT
150 PSI	Compact Heads w/o Flanges	TA, TB, TC, TD, VB, VC, VD	1 - Pass	028-09951-000	18	-	-
			2 - Pass	028-09951-000	18*	028-09951-000	-
			3 - Pass	028-09951-000	18*	028-09951-000	-
		WA, WB, WC, WD, XB, XC, XD	1 - Pass	028-09951-000	20	-	-
			2 - Pass	028-09951-000	20*	028-09951-000	-
			3 - Pass	028-09951-000	20*	028-09951-000	-
		YB, YC, YD, ZB, ZC, ZD	1 - Pass	028-09951-000	21	-	-
			2 - Pass	028-09951-000	21*	028-09951-000	-
			3 - Pass	028-09951-000	21*	028-09951-000	-
	Compact Heads with Flanges	TA, TB, TC, TD, VB, VC, VD	1 - Pass	028-09951-000	18	-	-
			2 - Pass	028-09951-000	18*	028-09951-000	-
			3 - Pass	028-09951-000	18*	028-09951-000	-
		WA, WB, WC, WD, XB, XC, XD	1 - Pass	028-09951-000	20	-	-
			2 - Pass	028-09951-000	20*	028-09951-000	-
			3 - Pass	028-09951-000	20*	028-09951-000	-
		YB, YC, YD, ZB, ZC, ZD	1 - Pass	028-09951-000	21	-	-
			2 - Pass	028-09951-000	21*	028-09951-000	-
			3 - Pass	028-09951-000	21*	028-09951-000	-
300 PSI	Compact Heads with Flanges	TA, TB, TC, TD, VB, VC, VD	1 - Pass	028-03242-000	14	-	-
			2 - Pass	028-03242-000	14	028-09951-000	3
			3 - Pass	028-03242-000	14	028-09951-000	5
		WA, WB, WC, WD, XB, XC, XD	1 - Pass	028-03424-000	16	-	-
			2 - Pass	028-03242-000	16	028-09951-000	3
			3 - Pass	028-03242-000	16	028-09951-000	4
		YB, YC, YD, ZB, ZC, ZD	1 - Pass	028-03242-000	18	-	-
			2 - Pass	028-03242-000	18	028-09951-000	3
			3 - Pass	028-03242-000	18	028-09951-000	5.25

NOTE:

* When ordering gaskets the quantity given is the total required for the water box and pass baffle.

EVAPORATOR WATERBOX GASKETS (CONT'D)

TABLE 12 - EVAPORATOR MARINE WATERBOX GASKETS

WORKING PRESSURE	TYPE WATER BOX	SHELL CODE	PASS	WATER BOX GASKET	QTY. FT	PASS BAFFLE GASKET	QTY. FT
150 PSI	Marine Heads w/o Flanges	TA, TB, TC, TD, VB, VC, VD	1 - Pass	028-03242-000	28	-	-
			2 - Pass	028-03242-000	14	028-09951-000	14
			3 - Pass	028-03242-000	8	028-09951-000	28
		WA, WB, WC, WD, XB, XC, XD	1 - Pass	028-03242-000	32	-	-
			2 - Pass	028-03242-000	16	028-09951-000	14
			3 - Pass	028-03242-000	32	028-09951-000	6
		YB, YC, YD, ZB, ZC, ZD	1 - Pass	028-03242-000	36		-
			2 - Pass	028-03242-000	18	028-09951-000	15
			3 - Pass	028-03242-000	36	028-09951-000	6
	Marine Heads with Flanges	TA, TB, TC, TD, VB, VC, VD	1 - Pass	028-09951-000	28	-	-
			2 - Pass	028-03242-000	14	028-09951-000	14
			3 - Pass	028-03242-000	28	028-09951-000	8
		WA, WB, WC, WD, XB, XC, XD	1 - Pass	028-03242-000	32	-	-
			2 - Pass	028-03242-000	16	028-09951-000	14
			3 - Pass	028-03242-000	32	028-09951-000	6
		YB, YC, YD, ZB, ZC, ZD	1 - Pass	028-03242-000	36	-	-
			2 - Pass	028-03242-000	18	028-09951-000	15
			3 - Pass	028-03242-000	36	028-09951-000	6
300 PSI	Marine Heads with Flanges	TA, TB, TC, TD, VB, VC, VD	1 - Pass	028-03242-000	28	-	-
			2 - Pass	028-03242-000	21	028-09951-000	6
			3 - Pass	028-03242-000	28	028-09951-000	8
		WA, WB, WC, WD, XB, XC, XD	1 - Pass	028-03242-000	32	-	-
			2 - Pass	028-03242-000	24	028-09951-000	6
			3 - Pass	028-03242-000	32	028-09951-000	6
		YB, YC, YD, ZB, ZC, ZD	1 - Pass	028-03242-000	36	-	-
			2 - Pass	028-03242-000	27	028-09951-000	6
			3 - Pass	028-03242-000	36	028-09951-000	6

NOTE:

* When ordering gaskets the quantity given is the total required for the water box and pass baffle.

CONDENSER WATERBOX GASKETS

TABLE 13 - CONDENSER COMPACT WATERBOX GASKETS

WORKING PRESSURE	TYPE WATER BOX	SHELL CODE	PASS	WATER BOX GASKET	QTY. FT	PASS BAFFLE GASKET	QTY. FT
150 PSI	Compact Heads w/o Flanges	TA, TB, TC, TD, VB, VC, VD	1 - Pass	028-09951-000	12	-	-
			2 - Pass	028-09951-000	14*	028-09951-000	-
			3 - Pass	028-09951-000	16*	028-09951-000	-
		WA, WB, WC, WD, XB, XC, XD	1 - Pass	028-09951-000	14	-	-
			2 - Pass	028-09951-000	17*	028-09951-000	-
			3 - Pass	028-09951-000	18*	028-09951-000	-
		YB, YC, ZB, ZC, YD, ZD	1 - Pass	028-09951-000	16	-	-
			2 - Pass	028-09951-000	19*	028-09951-000	-
			3 - Pass	028-09951-000	21*	028-09951-000	-
	Compact Heads with Flanges	TA, TB, TC, TD, VB, VC, VD	1 - Pass	028-09951-000	12	-	-
			2 - Pass	028-09951-000	14*	028-09951-000	-
			3 - Pass	028-09951-000	16*	028-09951-000	-
		WA, WB, WC, WD, XB, XC, XD	1 - Pass	028-09951-000	14	-	-
			2 - Pass	028-09951-000	17*	028-09951-000	-
			3 - Pass	028-09951-000	18*	028-09951-000	-
		YB, YC, ZB, ZC, YD, ZD	1 - Pass	028-09951-000	16	-	-
			2 - Pass	028-09951-000	19*	028-09951-000	-
			3 - Pass	028-09951-000	21*	028-09951-000	-
300 PSI	Compact Heads with Flanges	TA, TB, TC, TD, VB, VC, VD	1 - Pass	028-03242-000	12	-	-
			2 - Pass	028-03242-000	12	028-09951-000	14
			3 - Pass	028-03242-000	12	028-09951-000	16
		WA, WB, WC, WD, XB, XC, XD	1 - Pass	028-09951-000	14	-	-
			2 - Pass	028-03242-000	14	028-09951-000	17
			3 - Pass	028-03242-000	14	028-09951-000	18
		YB, YC, ZB, ZC, YD, ZD	1 - Pass	028-03242-000	16	-	-
			2 - Pass	028-03242-000	19	028-09951-000	16
			3 - Pass	028-03242-000	21	028-09951-000	16

NOTE:

* When ordering gaskets the quantity given is the total required for the water box and pass baffle.

CONDENSER WATERBOX GASKETS (CONT'D)

TABLE 14 - CONDENSER MARINE WATERBOX GASKETS

WORKING PRESSURE	TYPE WATER BOX	SHELL CODE	PASS	WATER BOX GASKET	QTY. FT	PASS BAFFLE GASKET	QTY. FT
150 PSI	Marine Heads w/o Flanges	TA, TB, TC, TD, VB, VC, VD	1 - Pass	028-03242-000	24	-	-
			2 - Pass	028-03242-000	12	028-09951-000	10
			3 - Pass	028-03242-000	24	028-09951-000	8
		WA, WB, WC, WD, XB, XC, XD	1 - Pass	028-03242-000	28	-	-
			2 - Pass	028-03242-000	14	028-09951-000	13
			3 - Pass	028-03242-000	28	028-09951-000	10
		YB, YC, ZB, ZC, YD, ZD	1 - Pass	028-03242-000	32	-	-
			2 - Pass	028-03242-000	16	028-09951-000	14
			3 - Pass	028-03242-000	32	028-09951-000	12
	Marine Heads with Flanges	TA, TB, TC, TD, VB, VC, VD	1 - Pass	028-03242-000	24	-	-
			2 - Pass	028-03242-000	12	028-09951-000	10
			3 - Pass	028-03242-000	24	028-09951-000	8
		WA, WB, WC, WD, XB, XC, XD	1 - Pass	028-03242-000	28	-	-
			2 - Pass	028-03242-000	14	028-09951-000	13
			3 - Pass	028-03242-000	28	028-09951-000	10
		YB, YC, ZB, ZC, YD, ZD	1 - Pass	028-03242-000	32	-	-
			2 - Pass	028-03242-000	16	028-09951-000	14
			3 - Pass	028-03242-000	32	028-09951-000	12
300 PSI	Marine Heads with Flanges	TA, TB, TC, TD, VB, VC, VD	1 - Pass	028-03242-000	24	-	-
			2 - Pass	028-03242-000	12	028-09951-000	10
			3 - Pass	028-03242-000	24	028-09951-000	8
		WA, WB, WC, WD, XB, XC, XD	1 - Pass	028-03242-000	28	-	-
			2 - Pass	028-03242-000	14	028-09951-000	13
			3 - Pass	028-03242-000	28	028-09951-000	10
		YB, YC, ZB, ZC, YD, ZD	1 - Pass	028-03242-000	32	-	-
			2 - Pass	028-03242-000	16	028-09951-000	14
			3 - Pass	028-03242-000	32	028-09951-000	12

NOTE:

* When ordering gaskets the quantity given is the total required for the water box and pass baffle.

EVAPORATOR TUBES

Refer to the Sales Order Screen of the OptiView™ Control Center for Tube Codes

TABLE 15 - EVAPORATOR TUBES

SHELL CODE	TUBE QUANTITY	COPPER			COPPER NICKEL	
		STANDARD	OPTIONS			
		0.025 Wall	0.028 Wall	0.035 Wall	0.028 Wall	0.035 Wall
TA	106	007-09261-000 (MOD A, B) 007-07877-000 (MOD C)	007-07872-000	007-07883-000	007-07877-000	007-07878-000
TB	130					
TC	159					
TD	194					
VB	130	007-08404-000 (MOD A, B) 007-08849-000 (MOD C)	007-07885-000	007-07921-000	007-08849-000	007-08850-000
VC	159					
VD	194					
WA	210	007-09224-000 (MOD A, B) 007-08410-00 (MOD C)	007-07879-000	007-07917-000	007-08410-000	007-08411-000
WB	236					
WC	280					
WD	336					
XB	236	007-09214-000 (MOD A, B) 007-08851-000 (MOD C)	007-09212-000	007-09213-000	007-08851-000	007-08852-000
XC	280					
XD	336					

CONDENSER TUBES

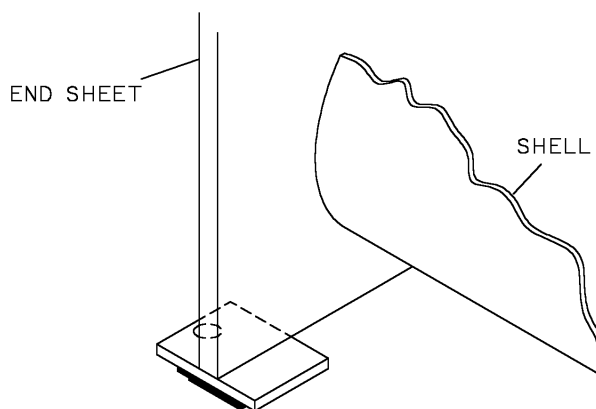
TABLE 16 - CONDENSER TUBES

SHELL CODE	TUBE QTY.	COPPER			COPPER NICKEL		COPPER (Smooth Bore)	
		STANDARD	OPTIONS					
		0.025	0.028	0.035	0.028	0.035	0.028	0.035
TA	153	007-09288-000	007-09280-000	007-09281-000	007-08519-000	007-08511-000	007-08508-000	007-08897-000
TB	194							
TC	216							
TD	244							
VB	194	007-09262-000	007-09263-000	007-09264-000	007-08833-000	007-08623-000	007-08650-000	007-08641-000
VC	216							
VD	244							
WA	247	007-09289-000	007-09282-000	007-09283-000	007-08898-000	007-08510-000	007-09200-000	007-08518-000
WB	284							
WC	355							
WD	443							
XB	284	007-09265-000	007-09266-000	007-09267-000	007-08855-000	007-08856-000	007-08857-000	007-08858-000
XC	355							
XD	443							

VIBRATION ISOLATORS

TABLE 17 - NEOPRENE ISOLATORS

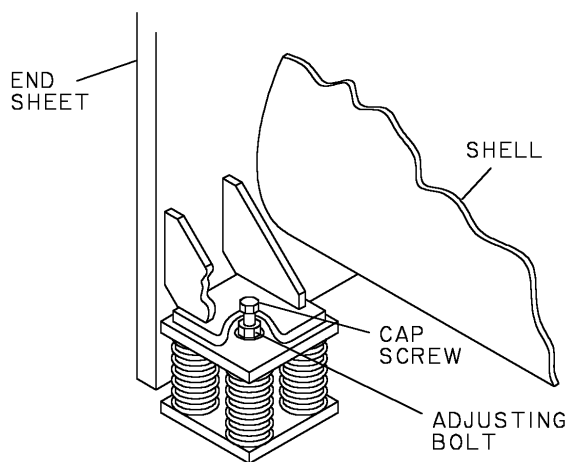
SYSTEM OPERATING WEIGHT		PART NUMBER (Includes Quantity of 4 Pads)	PAD SIZE
KILOGRAMS	POUNDS		
Up to 7,423	Up to 16,365	028-14462-000	5.5" x 5.5" (14 x 14 cm)
7,424 to 13,107	16,366 to 28,835	028-14459-000	7" x 5.5" (23 x 14 cm)
13,108 to 24,332	28,836 to 53,530	028-14460-000	9" x 7" (23 x 18 cm)
24,333 to 45,666	53,531 to 100,464	028-14461-000	11" x 10" (30 x 25.4 cm)



NEOPRENE PADS

TABLE 18 - SPRING ISOLATORS

SYSTEM OPERATING WEIGHT		PART NUMBER (Includes Brackets and Hardware)	QUANTITY (Number of Mounts Per Package)
KILOGRAMS	POUNDS		
4,536 to 8,873	10,000 to 19,563	029-23716-000	4
8,874 to 11,093	19,564 to 24,457	029-21793-000	4
11,094 to 13,982	24,458 to 30,826	029-21376-000	4
13,983 to 15,880	30,827 to 35,009	029-20933-000	4
15,881 to 20,974	35,010 to 46,239	029-20934-000	4
20,975 to 26,467	46,240 to 58,349	029-20935-000	4
26,468 to 35,031	58,350 to 77,229	029-20936-000	4
35,032 to 40,525	77,230 to 89,340	029-21388-000	4



SPRING ISOLATORS

FLOW SWITCH CONTROL

TABLE 19 - FLOW SWITCH CONTROL

DWP (BARG)	MODEL	PART NUMBER
150 (10.3)	F16MG-1C	024-26116-000
300 (30.7)	FS7-4W	024-12144-000
435 (30.0)	ELECTRONIC	025-38145-001

TABLE 20 - DIFFERENTIAL PRESSURE CONTROL

DESCRIPTION	PART NUMBER
CONTROL, DIFFERENTIAL PRESSURE**	025-30919-000

**300 PSI Maximum Working Pressure

SCREW COMPRESSORS W/ MOTOR MOD C

TABLE 21 - COMPRESSOR WITH MOTOR (MOD C)

COMPRESSOR CODE	SHELL CODE	VOLTAGE CODE	(Re-Man) PART NUMBER	(New) PART NUMBER
T0	T/V	200/208	015-04167R620	051-04167-620
		230/240	015-04167R623	015-04167-623
		380	015-04167R638	015-04167-638
		440/460/480	015-04167R646	015-04167-646
		575/600	015-04167R657	015-04167-657
		380/400	015-04167R538	015-04167-538
		415	015-04167R541	015-04167-541
T1	T/V/W	200/208	015-04168R620	015-04168-620
		230/240	015-04168R623	015-04168-623
		380	015-04168R638	015-04168-638
		440/460/480	015-04168R646	015-04168-646
		575/600	015-04168R657	015-04168-657
		380/400	015-04168R538	015-04168-538
		415	015-04168R541	015-04168-541
T2	W/V/X	200/208	015-04169R620	015-04169-620
		230/240	015-04169R623	015-04169-623
		380	015-04169R638	015-04169-638
		440/460/480	015-04169R646	015-04169-646
		575/600	015-04169R657	015-04169-657
		380/400	015-04169R538	015-04169-538
		415	015-04169R541	015-04169-541
T3	W/X	200/208	015-04170R620	015-04170-620
		230/240	015-04170R623	015-04170-623
		380	015-04170R638	015-04170-638
		440/460/480	015-04170R646	015-04170-646
		575/600	015-04170R657	015-04170-657
		380/400	015-04170R538	015-04170-538
		415	015-04170R541	015-04170-541

!! IMPORTANT !!

NOTE:

1. When replacing a Mod C Compressor re-use existing muffler assembly (spring, clamp, and muffler).
2. When replacing a Mod C rev. A Compressor with a Mod C rev. B Compressor you **MUST** order an Eductor Piping Kit (375-74549-000) and a Oil Level Sensor Kit (375-74548-000).
3. When replacing a Mod C Compressor order a Re-Manufactured Compressor. Only order a New Compressor if all the Re-Manufactured supply is exhausted.

COMPRESSOR REBUILD KITS

TABLE 22 - MOD A COMPRESSOR REBUILD KITS

COMPRESSOR CODE	PISTON SEAL KITS	SLIDE VALVE KITS
T0	N/A	375-74477-001
T1		375-74477-002
T2	375-74478-005	N/A
T3		

TABLE 23 - MOD B COMPRESSOR REBUILD KITS

COMPRESSOR CODE	PISTON SEAL KITS	SLIDE VALVE KITS
T0	375-74478-001	375-74477-003
T1		375-74477-004
T2	375-74478-002	N/A
T3		

TABLE 24 - MOD C COMPRESSOR REBUILD KITS

COMPRESSOR CODE	PISTON SEAL KITS	SLIDE VALVE KITS
T0	375-74478-004	375-74477-007
T1		375-74477-008
T2	375-74478-003	375-74477-009
T3		375-74477-010

PISTON SEAL KITS

TABLE 25 - PISTON SEAL KIT - T2/T3 MOD A (375-74478-005)

ITEM	DESCRIPTION	YORK P/N	QTY.
1	Assembly, Socket	075-74506-000	1
2	Piston Bearings	075-74508-000	1
3	Locknut, BMM-05	075-74521-000	1
4	Piston Sealing Rings, Radial Compression	075-74509-000	1
5	O-ring, 2-012	075-74511-000	1
6	O-ring, 2-164	075-74517-000	1
7	O-ring, 2-359	075-74518-000	1
8	O-ring, 2-388	075-74497-000	1

TABLE 26 - PISTON SEAL KIT - T0/T1 MOD B (375-74478-001)

ITEM	DESCRIPTION	YORK P/N	QTY.
1	Assembly, Socket	075-74505-000	1
2	Piston Bearings	075-74507-000	1
3	Locknut, BMM-06	075-74495-000	1
4	Piston Sealing Rings, Radial Compression	075-74510-000	1
5	O-ring, 2-012	075-74511-000	1
6	O-ring, 2-161	075-74512-000	1
7	O-ring, 2-355	075-74513-000	1
8	O-ring, 2-385	075-74496-000	1
9	O-ring, 3-908	075-74515-000	1

TABLE 27 - PISTON SEAL KIT - T2/T3 MOD B (375-74478-002)

ITEM	DESCRIPTION	YORK P/N	QTY.
1	Assembly, Socket	075-74505-000	1
2	Piston Bearings	075-74508-000	1
3	Locknut, BMM-06	075-74495-000	1
4	Piston Sealing Rings, Radial Compression	075-74509-000	1
5	O-ring, 2-012	075-74511-000	1
6	O-ring, 2-164	075-74517-000	1
7	O-ring, 2-359	075-74518-000	1
8	O-ring, 2-388	075-74497-0000	1

PISTON SEAL KITS (CONT'D)

TABLE 28 - PISTON SEAL KIT - T2/T3 MOD C (375-74478-003)

ITEM	DESCRIPTION	YORK P/N	QTY.
1	Assembly, Socket	075-74505-000	1
2	Piston Bearings	075-74508-000	1
3	Locknut, BMM-06	075-74495-000	1
4	Piston Sealing Rings, Radial Compression	075-74509-000	1
5	O-ring, 2-015	075-74516-000	1
6	O-ring, 2-164	075-74517-000	1
7	O-ring, 2-359	075-74518-000	1

TABLE 29 - PISTON SEAL KIT - T0/T1 MOD C (375-74478-004)

ITEM	DESCRIPTION	YORK P/N	QTY.
1	Assembly, Socket	075-74505-000	1
2	Piston Bearings	075-74507-000	1
3	Locknut, BMM-06	075-74495-000	1
4	Piston Sealing Rings, Radial Compression	075-74510-000	1
5	O-ring, 2-015	075-74516-000	1
6	O-ring, 2-161	075-74512-000	1
7	O-ring, 2-355	075-74513-000	1

SLIDE VALVE KITS

TABLE 30 - SLIDE VALVE KIT - T0 MOD A (375-74477-001)

ITEM	DESCRIPTION	YORK P/N	QTY.
1	Piston Seal Kit	375-74478-001	1
2	Slide Valve Sub Assembly	075-74523-000	1
3	Anti-Rotation Pin	075-74522-000	1
4	Piston	075-74500-000	1
5	Cylinder Hone	075-74525-000	1
6	Locknut, Slide Valve to Spindle	075-74495-000	1

TABLE 31 - SLIDE VALVE KIT - T1 MOD A (375-74477-002)

ITEM	DESCRIPTION	YORK P/N	QTY.
1	Piston Seal Kit	375-74478-001	1
2	Slide Valve Sub Assembly	075-74524-000	1
3	Anti-Rotation Pin	075-74522-000	1
4	Piston	075-74500-000	1
5	Cylinder Hone Tool	075-74525-000	1
6	Locknut, Slide Valve to Spindle	075-74495-000	1

TABLE 32 - SLIDE VALVE KIT - T0 MOD B (375-74477-003)

ITEM	DESCRIPTION	YORK P/N	QTY.
1	Piston Seal Kit	375-74478-001	1
2	Nitrided Slide Valve	075-74479-000	1
3	Spindle	075-74487-000	1
4	Pin, Spindle	075-74493-000	1
5	Pipe Plug, Hollow, for Slide Valve	075-74494-000	2
6	Slide Valve Guide Key	075-74504-000	1
7	O-ring, Discharge (Large)	075-74496-000	1
8	O-ring, Discharge (Small)	075-74498-000	1
9	Locknut, Slide Valve to Spindle	075-74495-000	1

TABLE 33 - SLIDE VALVE KIT - T1 MOD B (375-74477-004)

ITEM	DESCRIPTION	YORK P/N	QTY.
1	Piston Seal Kit	375-74478-001	1
2	Nitrided Slide Valve	075-74480-000	1
3	Spindle	075-74487-000	1
4	Pin, Spindle	075-74493-000	1
5	Pipe Plug, Hollow, for Slide Valve	075-74494-000	2
6	Slide Valve Guide Key	075-74504-000	1
7	O-ring, Discharge (Large)	075-74496-000	1
8	O-ring, Discharge (Small)	075-74498-000	1
9	Locknut, Slide Valve to Spindle	075-74495-000	1

SLIDE VALVE KITS (CONT'D)

TABLE 34 - SLIDE VALVE KIT - T0 MOD C (375-74477-007)

ITEM	DESCRIPTION	YORK P/N	QTY.
1	Piston Seal Kit	375-74478-004	1
2	Slide Valve	075-74483-000	1
3	Spindle	075-74489-000	1
4	Pin, Spindle	075-74493-000	1
5	Pipe Plug, Hollow, for Slide Valve	075-74494-000	2
6	Slide Valve Guide Key	075-74504-000	1
7	O-ring, Discharge (Large)	075-74496-000	1
8	O-ring, Discharge (Small)	075-74498-000	1
9	Locknut, Slide Valve to Spindle	075-74495-000	1

TABLE 35 - SLIDE VALVE KIT - T1 MOD C (375-74477-008)

ITEM	DESCRIPTION	YORK P/N	QTY.
1	Piston Seal Kit	375-74478-004	1
2	Slide Valve	075-74484-000	1
3	Spindle	075-74490-000	1
4	Pin, Spindle	075-74493-000	1
5	Pipe Plug, Hollow, for Slide Valve	075-74494-000	2
6	Slide Valve Guide Key	075-74504-000	1
7	O-ring, Discharge (Large)	075-74496-000	1
8	O-ring, Discharge (Small)	075-74498-000	1
9	Locknut, Slide Valve to Spindle	075-74495-000	1

SLIDE VALVE KITS (CONT'D)

TABLE 36 - SLIDE VALVE KIT - T2 MOD C (375-74477-009)

ITEM	DESCRIPTION	YORK P/N	QTY.
1	Piston Seal Kit	375-74478-002	1
2	Slide Valve	075-74485-000	1
3	Spindle	075-74491-000	1
4	Pin, Spindle	075-74493-000	1
5	Pipe Plug, Hollow, for Slide Valve	075-74494-000	2
6	Slide Valve Guide Key	075-74504-000	1
7	O-ring, Discharge (Large)	075-74497-000	1
8	O-ring, Discharge (Small)	075-74498-000	1
9	Locknut, Slide Valve to Spindle	075-74495-000	1

TABLE 37 - SLIDE VALVE KIT - T3 MOD C (375-74477-010)

ITEM	DESCRIPTION	YORK P/N	QTY.
1	Piston Seal Kit	375-74478-002	1
2	Slide Valve	075-74486-000	1
3	Spindle	075-74492-000	1
4	Pin, Spindle	075-74493-000	1
5	Pipe Plug, Hollow, for Slide Valve	075-74494-000	2
6	Slide Valve Guide Key	075-74504-000	1
7	O-ring, Discharge (Large)	075-74497-000	1
8	O-ring, Discharge (Small)	075-74498-000	1
9	Locknut, Slide Valve to Spindle	075-74495-000	1

APPENDIX A COMPRESSOR CONVERSION

TABLE 38 - MOD A/B COMPRESSOR TO MOD C COMPRESSOR CONVERSION KITS

COMP. CODE	SHELL CODE	VOLTAGE CODE	COMPRESSOR PART # MOD A	COMPRESSOR PART # MOD B	CONVERSION KIT #
T0	T/V	200/208	015-02880-620	015-04000-620	375-71586-101
		230/240	015-02880-623	015-04000-623	
		380	015-02880-638	015-04000-638	
		440/460/480	015-02880-646	015-04000-646	
		575/600	015-02880-657	015-04000-657	
		380/400	015-02880-538	015-04000-538	
		415	015-02880-541	015-04000-541	
T1	T/V/W	200/208	015-02881-620	015-04001-620	375-71586-101
		230/240	015-02881-623	015-04001-623	
		380	015-02881-638	015-04001-638	
		440/460/480	015-02881-646	015-04001-646	
		575/600	015-02881-657	015-04001-657	
		380/400	015-02881-538	015-04001-538	
		415	015-02881-541	015-04001-541	
T2	W/X	200/208	015-02882-620	015-04002-620	375-71586-102
		230/240	015-02882-623	015-04002-623	
		380	015-02882-638	015-04002-638	
		440/460/480	015-02882-646	015-04002-646	
		575/600	015-02882-657	015-04002-657	
		380/400	015-02882-538	015-04002-538	375-71586-103
		415	015-02882-541	015-04002-541	
T2	V	380/400	015-02882-538	015-04002-538	375-71586-104
		415	015-02882-541	015-04002-541	
T3	W/X	200/208	015-02883-620	015-04003-620	375-71586-102
		230/240	015-02883-623	015-04003-623	
		380	015-02883-638	015-04003-638	
		440/460/480	015-02883-646	015-04003-646	
		575/600	015-02883-657	015-04003-657	
		380/400	015-02883-538	015-04003-538	375-71586-103
		415	015-02883-541	015-04003-541	

!! IMPORTANT !!

NOTE:

1. Mod level A and B compressors are **NO** longer available.
2. When ordering a Mod A or B replacement compressor you **MUST** verify the appropriate conversion kit is ordered.
3. The conversion kit includes the compressor conversion kit, piping conversion kit, and a wiring conversion kit.
4. Some parts may **NOT** be used when converting from a Mod B compressor to a Mod C compressor.
5. Appendix A will include conversion kit details (i.e. Compressor Conversion, Piping Conversion, and Wiring Conversion).
6. If the unit has a 1730 microboard you **MUST** order a new 2430 microboard kit (331-02430-605) .

CONVERSION KIT COMPONENTS

TABLE 39 - CONVERSION KIT COMPONENTS

APPLICATION	CONVERSION KIT #	COMPRESSOR CONVERSION KIT	PIPING CONVERSION KIT	WIRING CONVERSION KIT
STANDARD	375-71586-101	375-71588-000	375-71587-005	375-71794-001
	375-71586-102	375-71588-000	375-71587-009	375-71794-001
	375-71586-103	375-71588-000	375-71587-011	375-71794-001
	375-71586-104	375-71588-000	375-71587-007	375-71794-001

TABLE 40 - WIRING CONVERSION KIT (375-71794-001)

ITEM	DESCRIPTION	PART NUMBER	QTY.
10	Plug, Heyco #3413 Pg 16	025-31400-000	2
11	Nut, Lock Heyco #3713 Pg 16	021-18404-000	2
12	Extraction Tool (Mat-n-Lok)	025-41882-000	1
19	Extraction Tool (Mini Mat-n-Lok)	025-41883-000	1
20	Insertion Tool	025-41884-000	1
21	Shielded Cable (Oil Level Switch)	375-71794-428	1

NOTE:

1. The wiring conversion kit is included in the conversion kit.
2. For wiring diagrams see the drawings included with the wiring kit.

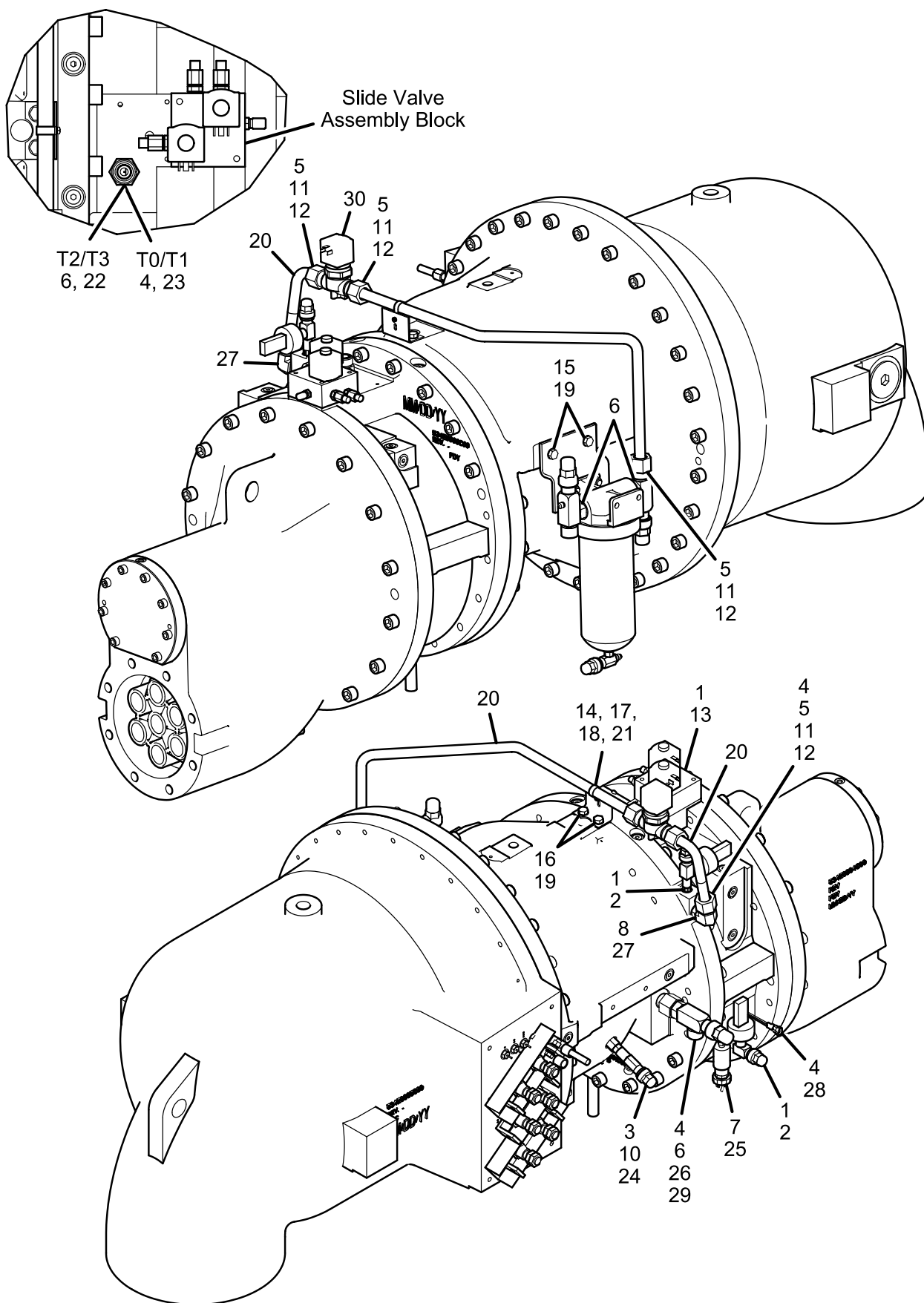
COMPRESSOR CONVERSION KIT

TABLE 41 - COMPRESSOR CONVERSION KIT (371-71588-000)

ITEM	DESCRIPTION	PART NUMBER	QTY.	FIG.
1	Seal, O-ring	028-12961-001	7	13
2	Seal, O-ring	028-12961-002	2	13
3	Seal, O-ring	028-12961-003	2	13
4	Seal, O-ring	028-12961-004	5	13
5	Seal, O-ring	028-12961-015	10	13
6	Seal, O-ring	028-12961-006	6	13
7	Seal, O-ring	028-12961-021	3	13
8	Seal, O-ring	028-12961-005	1	13
10	Valve, Stop Angle Vertical	022-10054-000	1	13
11	Sleeve, 3/4 OD	023-18914-000	10	13
12	Nut, 3/4 OD	023-18286-000	10	13
13	Screw, Metric	021-30676-000	4	13
14	Clamp, Tube	021-10652-000	1	13
15	Screw, Cap Hex Hd	021-19651-000	2	13
16	Screw, Cap Soc Hd	021-30675-000	2	13
17	Screw, Cap Soc Hd	021-30689-000	1	13
18	Lockwasher, Hel Spg #10	021-05265-000	1	13
19	Lockwasher, Th Int 7/16	021-01161-000	4	13
20	Tubing, 3/4"	075-84013-000	1	13
21	Nut, Metric M5	021-31130-000	1	13
22	Connector, 3/4 OD Tube Male	023-18290-000	1	13
23	Connector, 3/4 OD Tube Male	023-20299-000	1	13
24	Adapter, Straight Thread	023-23711-000	1	13
25	Elbow, 90°	023-21971-000	1	13
26	Reducer, 12-8 SAE	023-23592-000	1	13
27	Elbow, 3/4 OD Tube 90° Male	023-21938-000	1	13
28	Sensor, Temperature 50,000 Ohms	025-41875-000	1	13
29	Valve, Stop Angle Vertical	022-10047-000	1	13
30	Valve, Solenoid	025-35150-104	1	13

NOTE:

The compressor conversion kit is included in the conversion kit.



NOTE:
Mod Level C Compressor Shown

FIGURE 13 - COMPRESSOR CONVERSION KIT

LD12617

PIPING CONVERSION KIT STANDARD APPLICATION (375-71587-XXX)

ITEM	DESCRIPTION	KIT PART NUMBER				QTY.	FIG.
		375-71587-005	375-71587-007	375-71587-009	375-71587-011		
		PART NUMBER					
1	Suction Strainer	026-45520-001	026-45520-002	026-45520-002	026-45520-002	1	14
3	Valve, Check	022-11341-000	022-11371-000	022-11371-000	022-11371-000	1	*
4	Clamp, Muffler	075-61412-000	075-61413-000	075-61413-000	075-61413-000	1	*
5	Muffler	075-61414-000	075-61415-000	075-61416-000	075-61415-000	1	*
6	Spring, Muffler	075-61411-001	075-61411-002	075-61411-002	075-61411-002	1	*
7	Filter Drier, 3/4	026-43089-000	026-43089-000	026-43089-000	026-43089-000	1	14
8	Filter Drier, 3/8	026-37563-000	026-37563-000	026-37563-000	026-37563-000	2	14
9	Tubing, 3/4"	075-84013-000	075-84013-000	075-84013-000	075-84013-000	3	14
10	Tubing, 3/8"	075-84012-000	075-84012-000	075-84012-000	075-84012-000	3	14
11	Valve, Stop	022-10046-000	02210046-000	022-10046-000	022-10046-000	1	14
12	Valve, Solenoid	025-35150-104	025-35150-104	025-35150-104	025-35150-104	1	14
13	Valve, Stop	022-10054-000	022-10054-000	022-10054-000	022-10054-000	1	14
14	Sensor, Oil Level	025-41877-000	025-41877-000	025-41877-000	025-41877-000	1	14
15	Gasket, Round	028-15363-101	028-15363-102	028-15363-102	028-15363-102	1	14
16	Gasket, 8-150#	028-15075-113	028-15075-114	028-15075-114	028-15075-114	2	14
17	Gasket, 6-150#	028-15075-112	028-15075-113	028-15075-113	028-15075-113	2	14
18	Gasket, 6-150#	-	028-15075-112	-	-	2	14
19	Tee	023-23588-000	023-23588-000	023-23588-000	023-23588-000	1	14
21	Bracket, Educutor	075-78020-000	075-78020-000	075-78020-000	075-74686-000	1	14
22	Adapter, Straight	023-23710-000	023-23710-000	023-23710-000	023-23710-000	1	14
24	Tee	023-23709-000	023-23709-000	023-23709-000	023-23709-000	1	14
26	Reducer, Straight	023-21967-000	023-21967-000	023-21967-000	023-21967-000	1	14
27	Elbow	023-18291-000	023-18291-000	023-18291-000	023-18291-000	1	14
28	O-ring, .468 ID	028-12961-003	028-12961-003	028-12961-003	028-12961-003	2	14
29	O-ring, 1.17 ID	028-12961-008	028-12961-008	023-12961-008	028-12961-008	4	14
30	O-ring, .924 ID	028-12961-006	028-12961-006	028-12961-006	028-12961-006	3	14
31	O-ring, .739 ID	028-12961-015	028-12961-015	028-12961-015	028-12961-015	12	14
32	O-ring, 1.475 ID	028-12961-017	028-12961-017	028-12961-017	028-12961-017	4, 5	14
33	O-ring, .364 ID	028-12961-012	028-12961-012	028-12961-012	028-12961-012	9	14
34	O-ring, .644 ID	028-12961-004	028-12961-004	028-12961-004	028-12961-004	2	14
35	O-ring, 1.47 ID	028-12961-017	028-12961-001	028-12961-001	-	1	14
37	Reducer, Straight	023-22870-000	023-22870-000	023-22870-000	023-22870-000	1	14
38	Union, 3/8 Orfs	023-20258-000	023-20258-000	023-20258-000	023-20258-000	1	14
39	Nut, 3/8"	023-18977-000	023-18977-000	023-18977-000	023-18977-000	8	14
40	Sleeve, 3/8"	023-20760-000	023-20760-000	023-20760-000	023-20760-000	8	14
41	Sleeve, 3/4"	023-18914-000	023-18914-000	023-18914-000	023-18914-000	12	14
42	Nut, 3/4"	023-18286-000	023-18286-000	023-18286-000	023-18286-000	12	14
43	Screw	021-03743-000	021-03743-000	021-03743-000	021-03743-000	4	14
44	Lockwasher	021-01133-000	021-01133-000	021-01133-000	021-01133-000	4	14

PIPING CONVERSION KIT (CON'T) STANDARD APPLICATION (375-71587-XXX)

ITEM	DESCRIPTION	KIT PART NUMBER				QTY.	FIG.
		375-71587-005	375-71587-007	375-71587-009	375-71587-011		
		PART NUMBER					
45	Nut, #8-32	021-08661-000	021-08661-000	021-08661-000	021-08661-000	4	14
46	Clamp, Tube 3/4"	021-10652-000	021-10652-000	021-10652-000	021-10652-000	2	14
47	Clamp, Tube 3/8"	023-05284-000	023-05284-000	023-05284-000	023-05284-000	2	14
52	Stud	021-17507-000	-	-	-	8	14
52	Stud	-	021-17511-000	021-17511-000	021-17511-000	12	14
53	Stud	021-31184-000	021-31734-000	021-31734-000	021-31734-000	8	14
54	Stud	021-31309-000	021-31309-000	021-31309-000	021-31309-000	8	14
55	Screw, Metric	021-17669-000	021-17669-000	021-17669-000	021-17669-000	8	14
60	Washer	021-30690-000	021-30690-000	021-30690-000	021-30690-000	16	14
61	Washer	021-05157-000	-	-	-	16	14
61	Washer	-	021-05158-000	021-05158-000	021-05158-000	20	14
65	Nut, Metric	021-17509-000	021-17509-000	021-17509-000	021-17509-000	24	14
66	Nut, Metric	-	021-17521-000	021-17521-000	021-17521-000	12	14
68	U-Bolt, 1/4 x 3-1/8	021-15998-000	021-15998-000	021-15998-000	021-15998-000	1	14
69	Lockwasher	021-05267-000	021-05267-000	021-05267-000	021-05267-000	2	14
70	Nut, Hex 1/4-20	021-00451-000	021-00451-000	021-00451-000	021-00451-000	2	14
73	Adapter, Straight	023-40050-000	023-40050-000	023-40050-000	023-40050-000	1	14
74	Adapter, Straight	023-23712-000	023-23712-000	023-23712-000	023-23712-000	1	14
75	Lockwasher, 7/16	021-01161-000	021-01161-000	021-01161-000	021-01161-000	4	14
76	Screw, Metric Cap	021-19651-000	021-19651-000	021-19651-000	021-19651-000	2	14
77	Screw, Metric Cap	021-30675-000	021-30675-000	021-30675-000	021-30675-000	2	14
110	Gasket (PED Only)	028-15075-255	028-15075-255	028-15075-255	028-15075-255	2	*

NOTE:

The piping conversion kit is included in the conversion kit.

PIPING CONVERSION KIT STANDARD APPLICATION (375-71587-XXX)

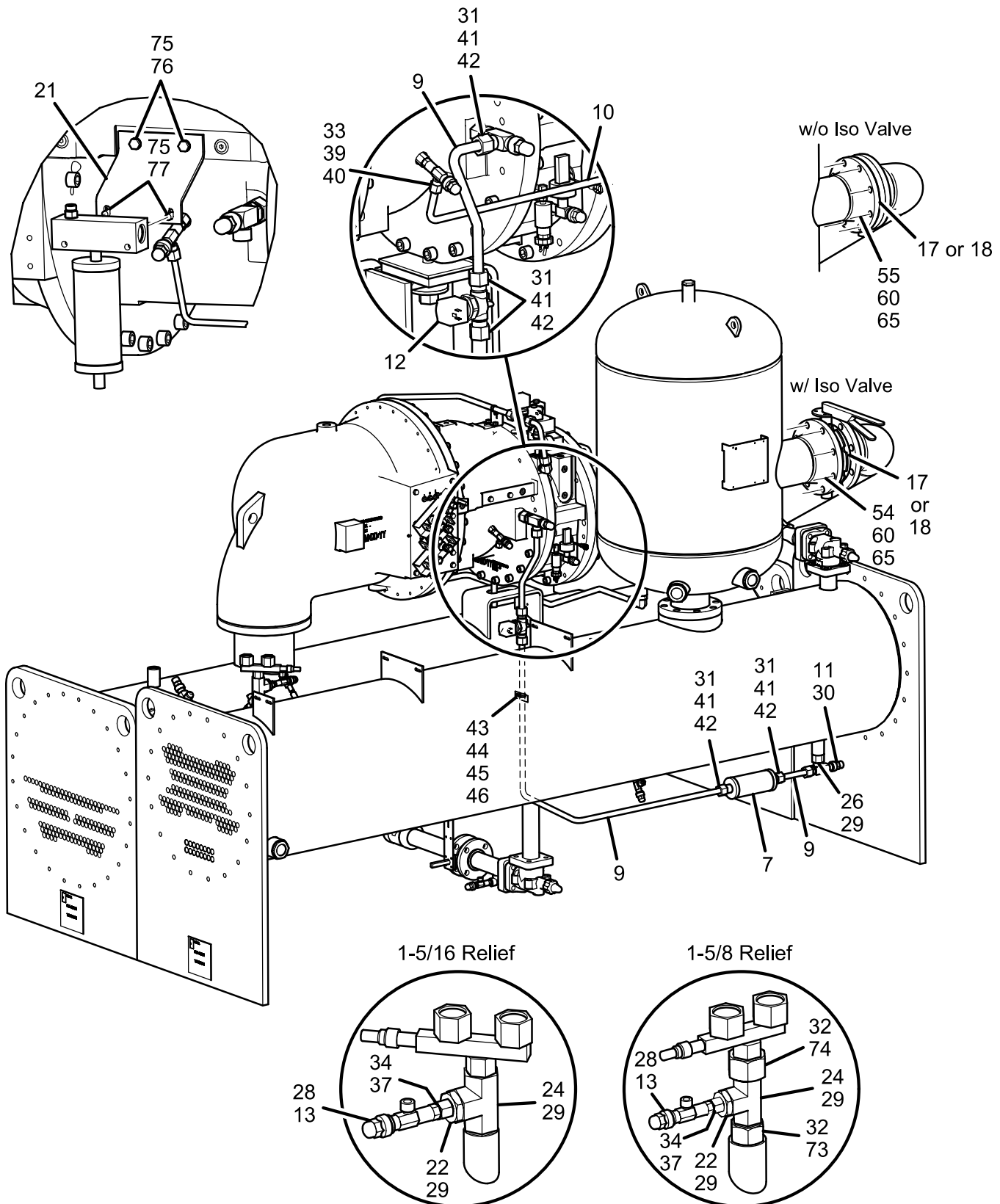


FIGURE 14 - PIPING CONVERSION KIT (STANDARD)

LD13217

PIPING CONVERSION KIT STANDARD APPLICATION (375-71587-XXX)

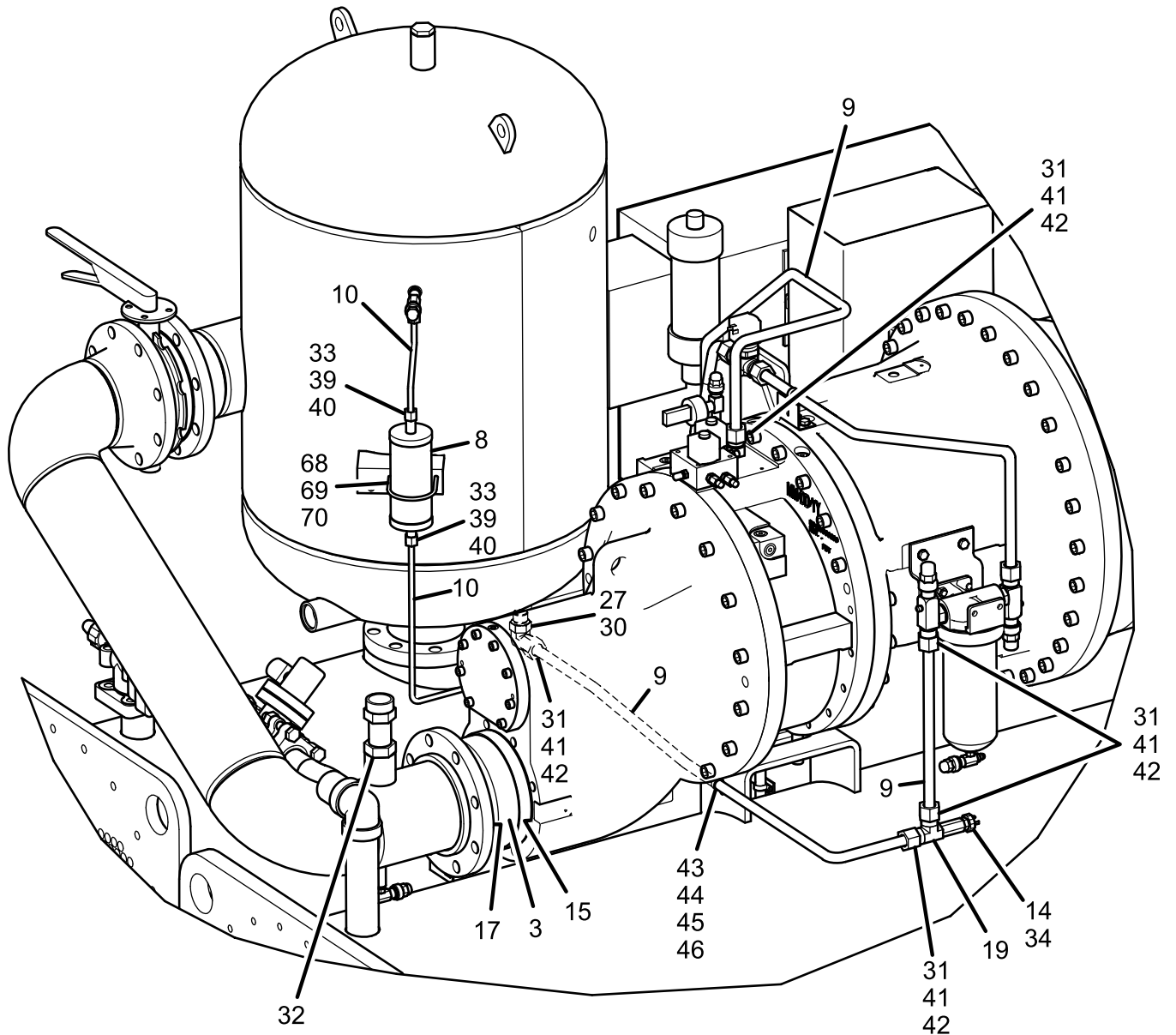


FIGURE 14 (CON'T) - PIPING CONVERSION KIT (STANDARD)

LD13218

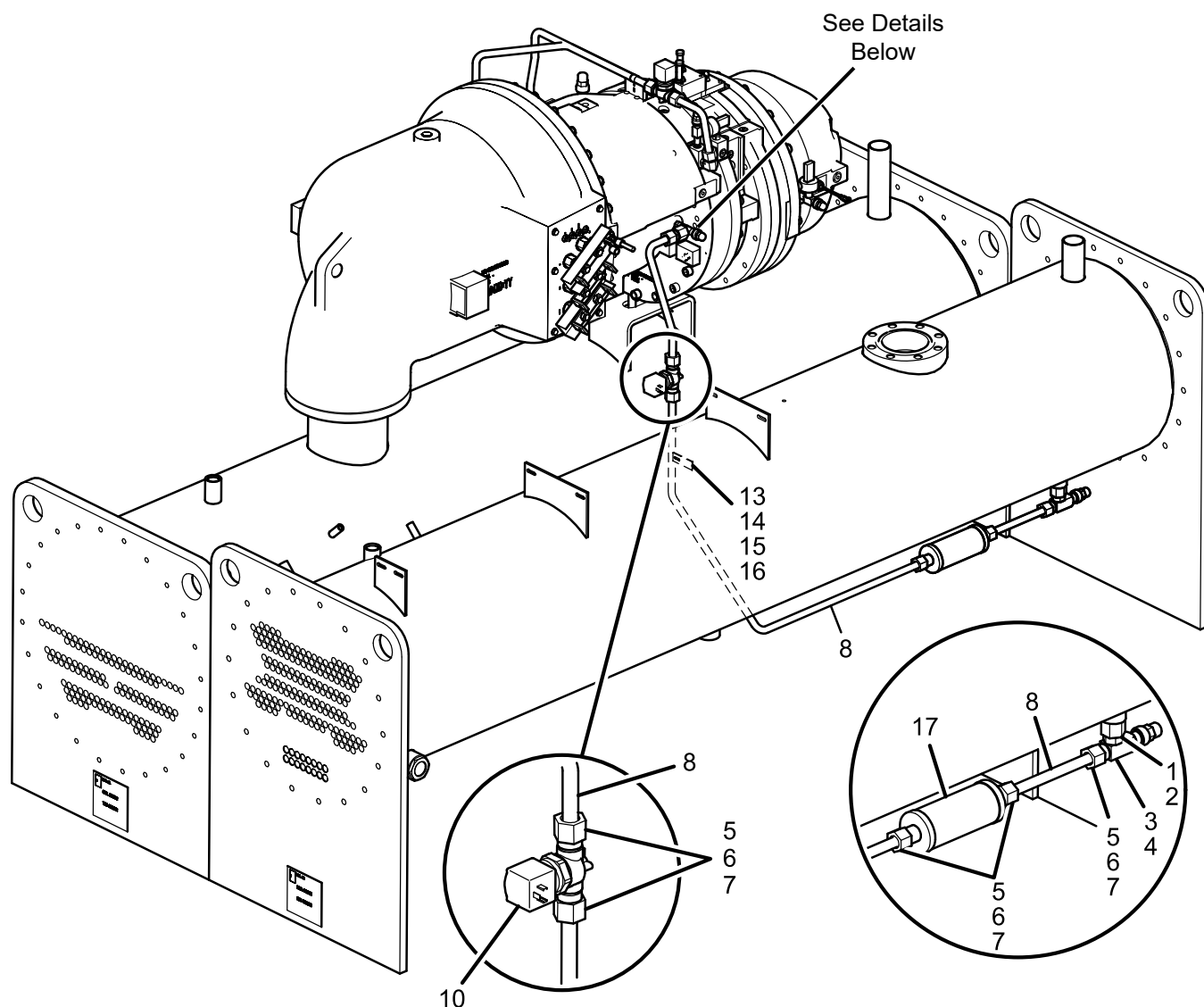
APPENDIX B UNIT MODIFICATIONS

LIQUID INJECTION RETROFIT KIT

TABLE 42 - LIQUID INJECTION RETRO FIT KIT (375-55812-000)

ITEM	DESCRIPTION	PART NUMBER	QTY.	FIG.
1	Fitting	023-22897-000	1	15
2	O-Ring	028-12961-008	1	15
3	Valve	022-10046-000	1	15
4	O-Ring	028-12961-006	2	15
5	Nut	023-18286-000	6	15
6	Sleeve	023-18914-000	6	15
7	O-Ring	028-12961-015	7	15
8	Tube, 3/4 x .065 Wall	075-84013-000	1	15
10	Valve	025-35150-104	1	15
11	Fitting	023-21968-000	1	15
12	O-Ring	028-12961-012	1	15
13	Clamp, Tube 3/4 OD	021-10652-000	2	15
14	Screw, #8-32 UNC-2A x 3/4	021-03743-000	2	15
15	Lockwasher, #8	021-05286-000	2	15
16	Nut, #8-32 UNC-2B	021-08661-000	2	15
17	Filter, Drier	026-43089-000	1	15
18	O-Ring	028-12961-004	1	15
19	Connector	023-23592-000	1	15
20	Valve	022-10047-000	1	15
21	Adapter, 9/16 x 9/16	023-23711-000	1	15
22	Valve, 9/16	022-10054-000	1	15
23	O-Ring	028-12961-003	2	15

LIQUID INJECTION RETROFIT KIT



LIQUID INJECTION PORT LOCATIONS

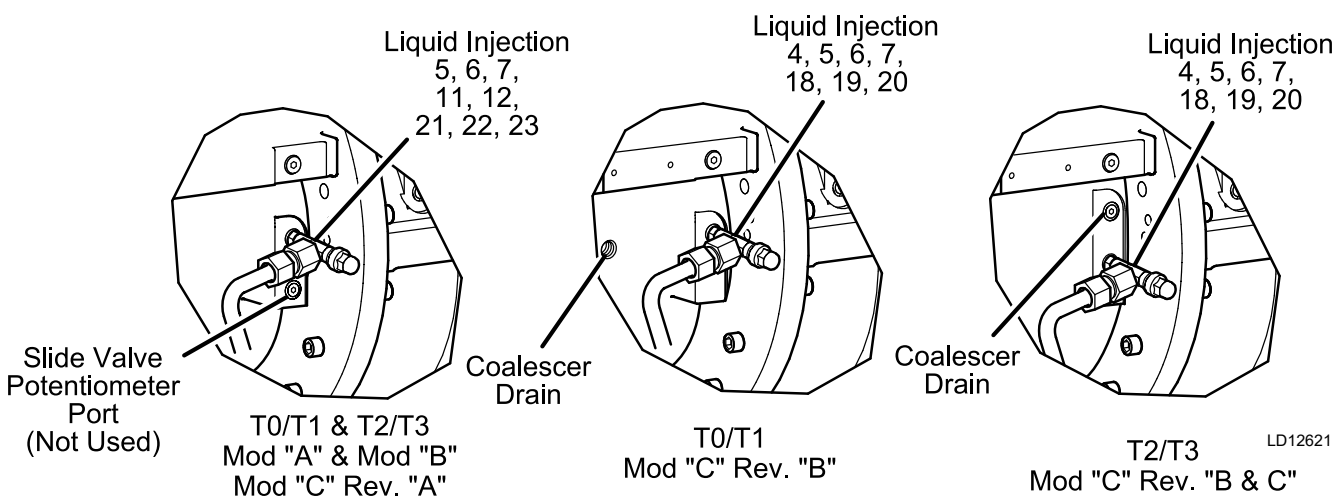


FIGURE 15 - LIQUID INJECTION RETROFIT KIT

OIL EDUCTOR LINE RETRO FIT KIT MOD A/B TO MOD C REV. B

TABLE 43 - OIL EDUCTOR LINE RETRO FIT KIT - MOD A/B TO MOD C REV. B (375-74549-000)

ITEM	DESCRIPTION	PART NUMBER	QTY.	FIG.
1	Tee, Stright Thread Run	023-23709-000	1	16
2	Union, 3/8 Orfs	023-20258-000	1	16
3	Adapter, Striaght Thread	023-23710-000	1	16
4	O-Ring	028-12961-008	4	16
5	O-Ring	028-12961-003	8	16
6	O-Ring	028-12961-006	1	16
7	O-Ring	028-12961-012	5	16
8	O-Ring	028-12961-015	2	16
9	Tubing, Steel, 3/4 Od	075-84013-000	1	16
10	Tubing, Steel, 3/8 Od	075-84012-000	3	16
11	Sleeve, 3/4 Od Tube	023-18914-000	2	16
12	Sleeve, 3/8 Od Tube	023-20760-000	6	16
13	Nut, 3/8 Od Tube	023-18977-000	6	16
14	Nut, 3/4 Od Tube	023-18286-000	2	16
15	Clamp, Tube, 3/8 Od	023-05284-000	1	16
16	Screw, #8-32 Unc-2A X 3/4	021-03743-000	1	16
17	Lockwasher, #8	021-01133-000	1	16
18	Nut, #8-32 Unc-2B	021-08661-000	1	16
19	Coupling, Special	023-23577-000	1	16
20	Bracket, Oil Eductor	075-78020-000	1	16
21	Valve, Stop Angle Vertical	022-10054-000	2	16
22	Lockwasher	021-01161-000	6	16
23	Screw, Metric Cap Hex	021-19651-000	2	16
24	Screw, Metric Cap Hex	021-30675-000	2	16
25	Nut, Metric	021-30687-000	2	16
26	O-Ring	028-12961-004	1	16
27	O-Ring	028-12961-017	2	16
30	Adapter	023-40050-000	1	16
31	Adapter	023-23712-000	1	16
32	Filter, Drier	026-37563-000	2	16
40	U-Bolt	021-15998-000	1	16
41	Lockwasher	021-05267-000	2	16
42	Nut	021-00451-000	2	16

OIL EDUCTOR LINE RETRO FIT KIT MOD A/B TO MOD C REV. B

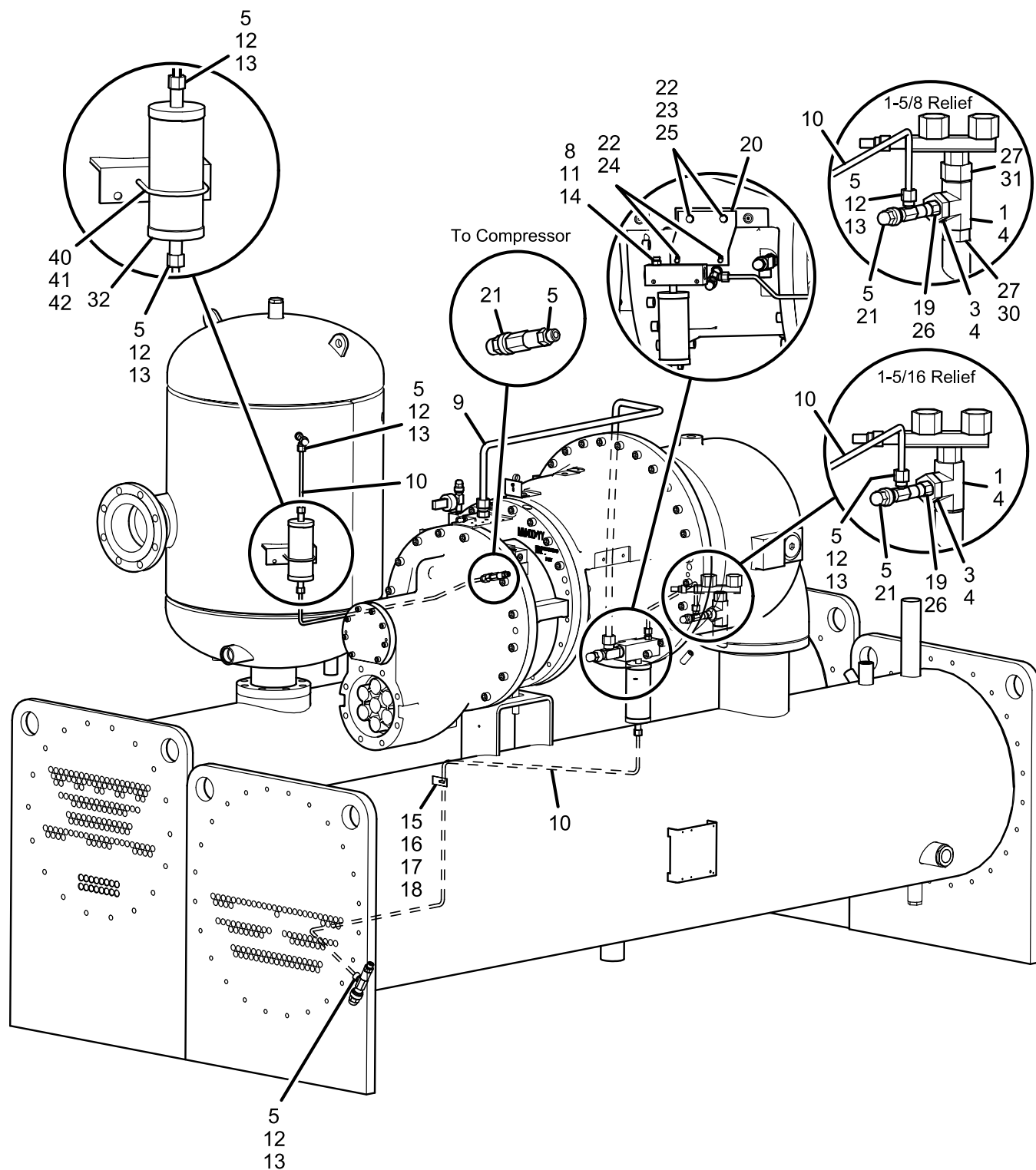


FIGURE 16 - OIL EDUCTOR LINE RETRO FIT KIT

LD12618

OIL LEVEL SENSOR RETRO FIT KIT

TABLE 44 - OIL LEVEL SENSOR RETRO FIT KIT (375-74548-000)

ITEM	DESCRIPTION	PART NUMBER	QTY.	FIG.
1	Elbow	023-18291-000	1	17
2	Tee	023-23588-000	1	17
3	Oil Level Sensor	025-41877-000	1	17
4	Valve, Ball	022-11766-000	1	17
5	O-Ring	028-12961-004	1	17
6	O-Ring	028-12961-006	1	17
7	O-Ring	028-12961-015	6	17
9	Tubing, Steel 3/4 Od X .065	075-84013-000	1	17
11	Sleeve, 3/4 Od Tube	023-18914-000	6	17
12	Adapter, 3/4 Orfs X 3/4 Ftg	023-24276-000	2	17
13	Nut, 3/4 Od Tube	023-18286-000	6	17
14	Clamp, Tube 3/4	021-10652-000	1	17
15	Screw, #8-32	021-03743-000	1	17
16	Lockwasher #8	021-05286-000	1	17
17	Nut, #8-32	021-08661-000	1	17
18	Kit, Wiring Harness	375-71794-428	1	*

NOTE:

1. If the unit has a 1730 microboard you **MUST** order a new 2430 microboard kit (331-02430-605) .

OIL LEVEL SENSOR RETRO FIT KIT

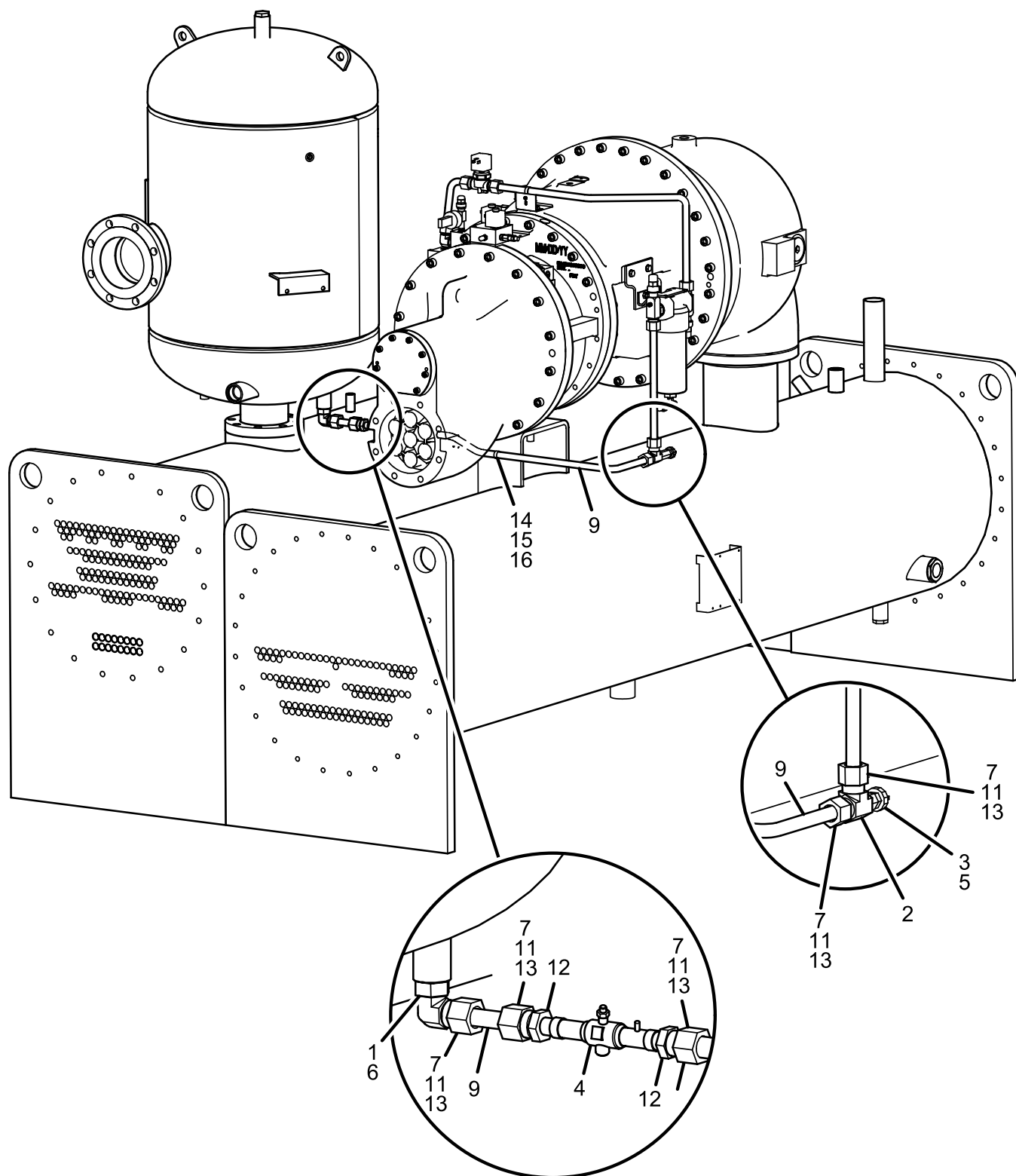


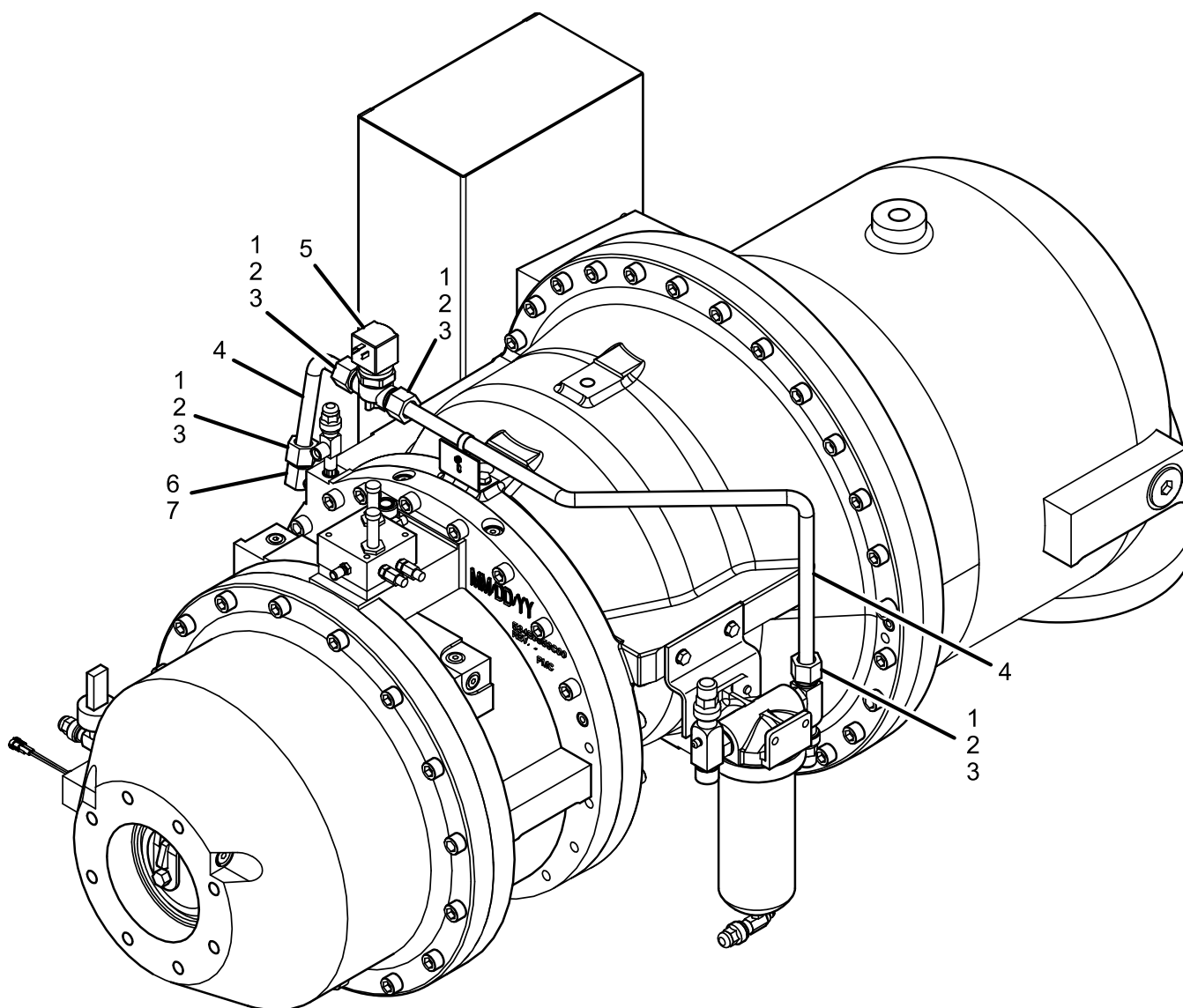
FIGURE 17 - OIL LEVEL SENSOR RETRO FIT KIT

LD12497a

OIL LINE RETRO FIT KIT

TABLE 45 - OIL LINE RETRO FIT KIT - MOD A TO MOD B (375-54389-000)

ITEM	DESCRIPTION	PART NUMBER	QTY.	FIG.
1	Nut, 3/4 Od Tube	023-18286-000	4	18
2	Sleeve, 3/4 Od Tube	023-18284-000	4	18
3	Seal, O-Ring	028-12961-015	4	18
4	Tube, Steel 3/4 Od X .065	075-84013-000	1	18
5	Valve, Solenoid	025-35150-104	1	18
6	Fitting	023-21877-000	1	18
7	Seal, O-Ring	028-12961-003	1	18



NOTE: Mod Level A and B Compressor Shown

LD12342

FIGURE 18 - OIL LINE RETRO FIT KIT

NOTES



P.O. Box 1592, York, Pennsylvania USA 17405-1592
Copyright © by Johnson Controls 2013
Form 160.81-RP5 (1113)
Issue Date: November 21, 2013
Supersedes: 160.81-RP5 (710)

800-861-1001
www.johnsoncontrols.com

Subject to change without notice. Printed in USA
ALL RIGHTS RESERVED