



*Parts Manual for
Rotary Screw Compressor*

Model QSI 925 QSI 1000

Air-cooled "D" Version
Water-cooled "D" Version

55009-DA

March 1998

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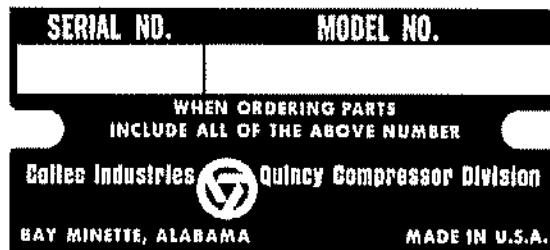
Quincy Quality

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SERIAL NUMBER IDENTIFICATION

The serial number tag is located on the top flange of the unit frame just left of the control panel and in the upper right corner of the electrical control panel.



ORDERING REPLACEMENT PARTS

Prompt service can be rendered on replacement part orders if the following information is given.

1. The serial number must be given when ordering replacement parts.
2. State the exact part number needed. **Do not order by index numbers**, as index numbers are repeated throughout this manual and if used for ordering parts will necessitate time consuming correspondence.
3. State the exact quantity needed.
4. State the preferred type of transportation.

All replacement parts are to be ordered through an authorized distributor. Insist on Genuine Quincy Parts only! Failure to do so may void your warranty.

WARNING

Guards must be fastened in place before starting the machine and never removed before disconnecting and locking out the main power supply.

DANGER

Air in the piping from this equipment will cause severe injury or death if used for breathing air or food processing (if non-food grade fluid is used). Air used for these processes must meet OSHA 29CFR1910 or FDA 21CFR178.3570 standards.

HELICAL SCREW FLUIDS

- **Recommendations**

We recommend that all Quincy Helical Screw Compressors be filled with fluids that meet one of the following specifications:

Synthetic Fluids
QUINSYN
QUINSYN IV
QUINSYN-F (Food Grade)

Synthetic fluids other than QUINSYN may not be compatible with components used in a Quincy helical screw compressor. If it is deemed necessary to convert any unit to a synthetic other than QUINSYN, please contact an authorized Quincy Compressor distributor. The following information will be required by the distributor:

MODEL _____

SERIAL NO. _____

FLUID ORIGINALLY USED _____

FLUID NOW USED (IF CHANGED) _____

FLUID TO BE USED _____

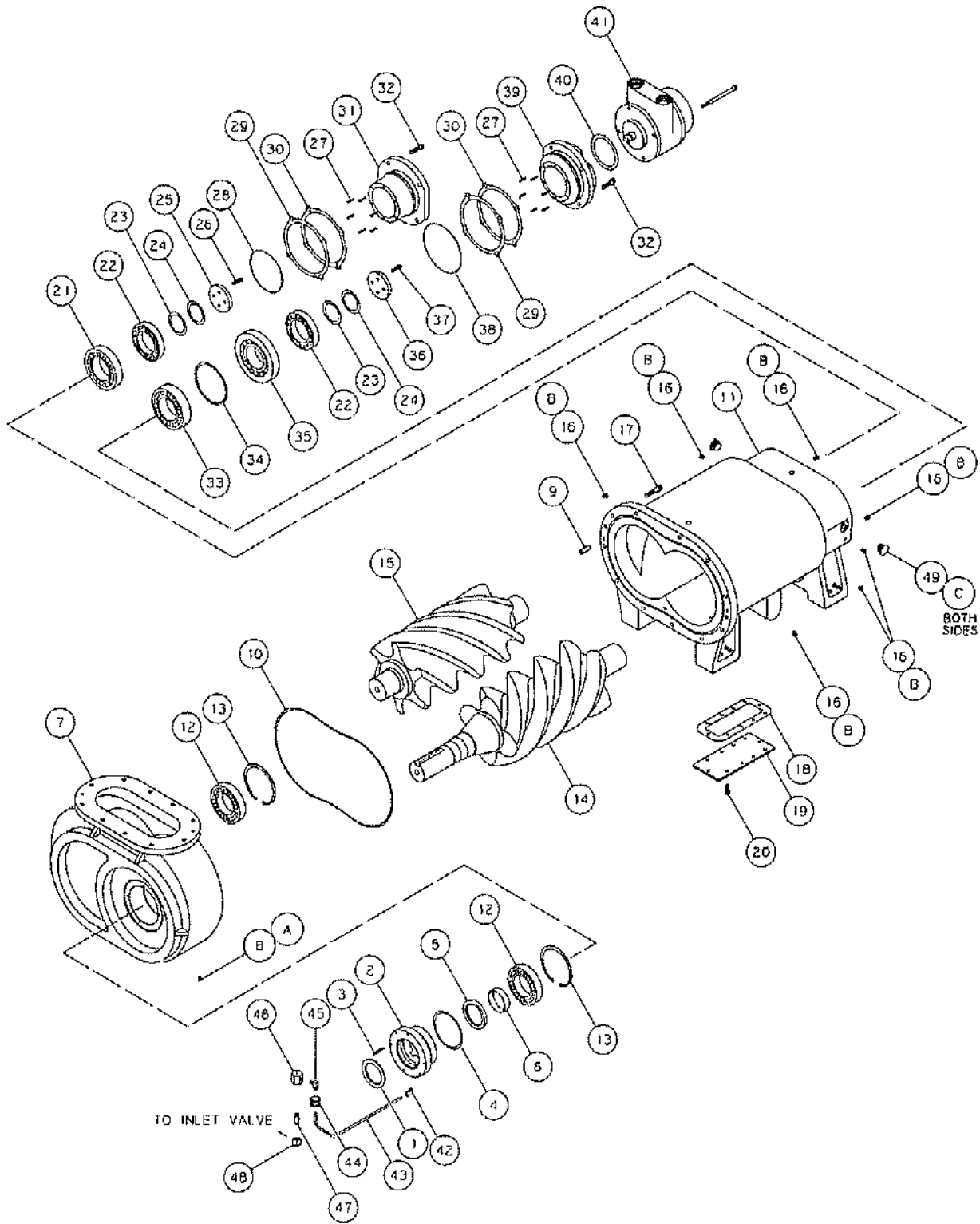
- **Additional Information**

Additional information can be found in the QSI Helical Screw Instruction Manual.

- **Fluid Analysis Kit**

Quincy Compressor now offers a Fluid Analysis Kit to provide early detection of excessive parts wear, fluid breakdown, or a contaminated fluid system. Order the Fluid Analysis Kit (part no. 128515) from your local authorized Quincy Compressor distributor.

BASIC AIREND GROUP (QSI 925, less lift valve)
140824-103



BASIC AIREND GROUP (QSI 925, less lift valve)

140824-103

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	129634	SEAL-DYNA-LIP
2	1	129632	ADAPTER-SEAL
3	4	90386-J15	SCREW-COUNTERBORE, 1/4-20 UNC X 1.50, GRADE 8 (@ 9 FT.-LBS.)
4	1	22749-362	O-RING, VITON
5	1	129633	SEAL-SHAFT
6	1	129635	SEAL-WEAR RING
7	1	22488-3	CASING-INLET
8	2	128883-044	PLUG-PIPE, 7/16-20, SAE O-RING
9	2	124145-005	PIN-DOWEL
10	1	141915	GASKET-INLET HOUSING
11	*		HOUSING-ROTOR
12	*		BEARING-ROTOR, SUCTION END
13	2	128203-662	RING-RETAINER, BEARING
14	*		ROTOR-MALE
15	*		ROTOR-FEMALE
16	10	128883-056	PLUG-PIPE, 9/16-18, SAE O-RING
17	13	90386-Q18	SCREW-COUNTERBORE, 5/8-11 UNC X 2.25, GRADE 8 (@ 170 FT.-LBS.)
18	1	23218	GASKET-PLATE, FLUID GALLERY
19	1	23217	PLATE-COVER, FLUID GALLERY
20	10	90386-L12	SCREW-COUNTERBORE, 3/8-16 UNC X 1.00, GRADE 8 (@ 35 FT.-LBS.)
21	*		BEARING-ROTOR, DISCHARGE END
22	*		BEARING-ROTOR, DISCHARGE END
23	**	129640-005	SHIM-BEARING, (0.005)
24	**	129640-010	SHIM-BEARING, (0.010)
25	1	129638	RETAINER-BEARING
26	4	90386-N14	SCREW-COUNTERBORE, 1/2-13 UNC X 1.25, GRADE 8 (@ 80 FT.-LBS.)
27	12	129973	SPRING-COMPRESSION
28	1	22749-439	O-RING, VITON
29	**	129641-005	SHIM-BEARING, (0.005)
30	**	129641-010	SHIM-BEARING, (0.010)

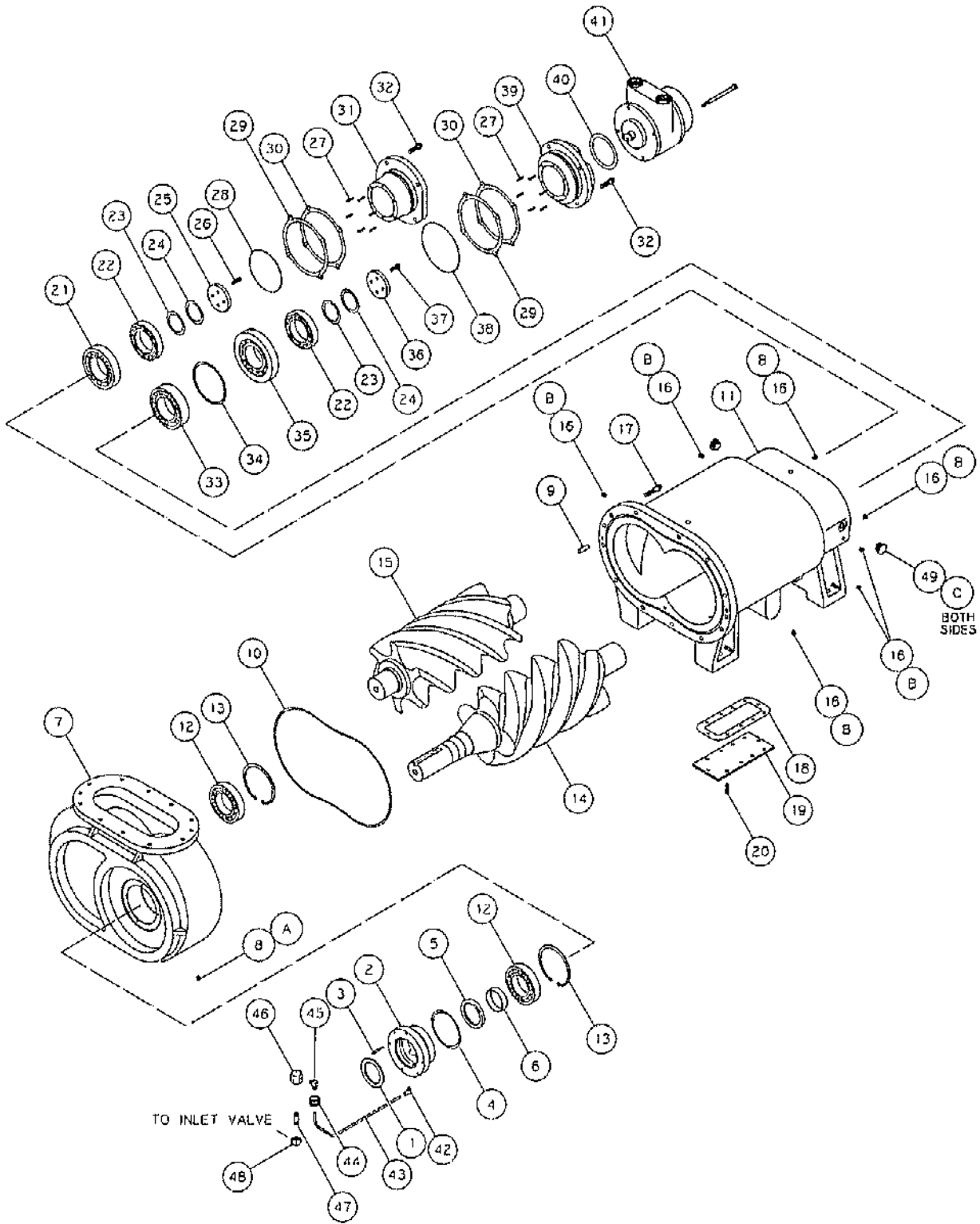
ITEMS 31 - 49 AND THE COMPONENT MAINTENANCE PARTS ARE ON FOLLOWING PAGES.

* **ITEMS NOT SOLD SEPARATELY**

** **QUANTITY AS REQUIRED**

@ indicates torque value in foot pounds. (*lubricated threads*)

BASIC AIREND GROUP (QSI 925, less lift valve)
140824-103



BASIC AIREND GROUP (QSI 925, less lift valve)**140824-103**

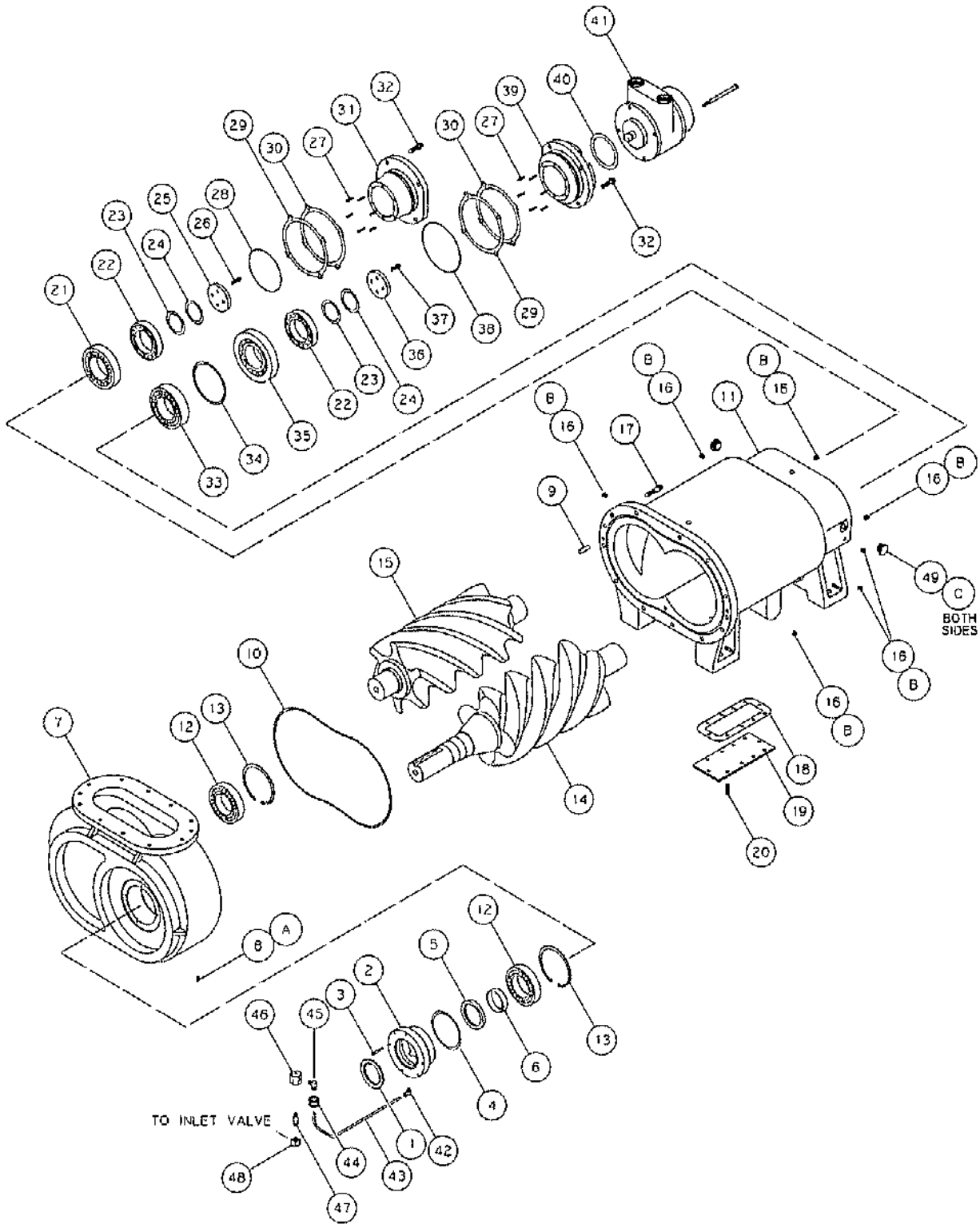
ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
31	1	129636	CAP-DISCHARGE
32	8	90386-Q16	SCREW-COUNTERBORE, 5/8-11 UNC X 1.75, GRADE 8 (@ 80 FT.-LBS.)
33	*		BEARING-ROTOR, DISCHARGE END
34	1	129964-001	RING-RETAINER, BEARING
35	*		BEARING-ROTOR, DISCHARGE END
36	1	129639	RETAINER-BEARING
37	4	90386-N18	SCREW-COUNTERBORE, 1/2-13 UNC X 2.25, GRADE 8 (@ 80 FT.-LBS.)
38	1	22749-445	O-RING, VITON
39	1	129637	ADAPTER-FLUID PUMP
40	1	20071	GASKET-FLUID PUMP
41	1	125452-010	PUMP-COMPRESSOR FLUID
42	1	128967-001	FITTING-ELBOW, 45° MALE, 1/4 TUBE X 1/8 NPT
43	3.0 FT	124435-003	TUBING-NYLON, 1/4 O.D.
44	1	140317	GROMMET-RUBBER
45	1	124349-004	FITTING-ELBOW, 90° MALE, 1/4 TUBE X 1/8 NPT
46	1	122056	VALVE-CAPACITY GAUGE
47	1	142125-3	NIPPLE, 1/4 NPT X CLOSE, EXTRA STRONG
48	1	122212	ELBOW-PIPE, 1/8 NPT X 1/4, BRASS
49	2	128883-075	PLUG-PIPE, 3/4-16, SAE O-RING

COMPONENT MAINTENANCE PARTS

A	2	140406-904	O-RING, VITON
B	10	140406-906	O-RING, VITON
C	2	140406-908	O-RING, VITON

* **ITEMS NOT SOLD SEPARATELY**@ indicates torque value in foot pounds. (*lubricated threads*)

BASIC AIREND GROUP (QSI 1000, less lift valve)
140824-003



BASIC AIREND GROUP (QSI 1000, less lift valve)

140824-003

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	129634	SEAL-DYNA-LIP
2	1	129632	ADAPTER-SEAL
3	4	90386-J15	SCREW-COUNTERBORE, 1/4-20 UNC X 1.50, GRADE 8 (@ 9 FT.-LBS.)
4	1	22749-362	O-RING, VITON
5	1	129633	SEAL-SHAFT
6	1	129635	SEAL-WEAR RING
7	1	22488-3	CASING-INLET
8	2	128883-044	PLUG-PIPE, 7/16-20, SAE O-RING
9	2	124145-005	PIN-DOWEL
10	1	22749-470	O-RING, VITON
11	*		HOUSING-ROTOR
12	*		BEARING-ROTOR, SUCTION END
13	2	128203-662	RING-RETAINER, BEARING
14	*		ROTOR-MALE
15	*		ROTOR-FEMALE
16	10	128883-056	PLUG-PIPE, 9/16-18, SAE O-RING
17	13	90386-Q18	SCREW-COUNTERBORE, 5/8-11 UNC X 2.25, GRADE 8 (@ 170 FT.-LBS.)
18	1	23218	GASKET-PLATE, FLUID GALLERY
19	1	23217	PLATE-COVER, FLUID GALLERY
20	10	90386-L12	SCREW-COUNTERBORE, 3/8-16 UNC X 1.00, GRADE 8 (@ 35 FT.-LBS.)
21	*		BEARING-ROTOR, DISCHARGE END
22	*		BEARING-ROTOR, DISCHARGE END
23	**	129640-005	SHIM-BEARING, (0.005)
24	**	129640-010	SHIM-BEARING, (0.010)
25	1	129638	RETAINER-BEARING
26	4	90386-N14	SCREW-COUNTERBORE, 1/2-13 UNC X 1.25, GRADE 8 (@ 80 FT.-LBS.)
27	12	129973	SPRING-COMPRESSION
28	1	22749-439	O-RING, VITON
29	**	129641-005	SHIM-BEARING, (0.005)
30	**	129641-010	SHIM-BEARING, (0.010)

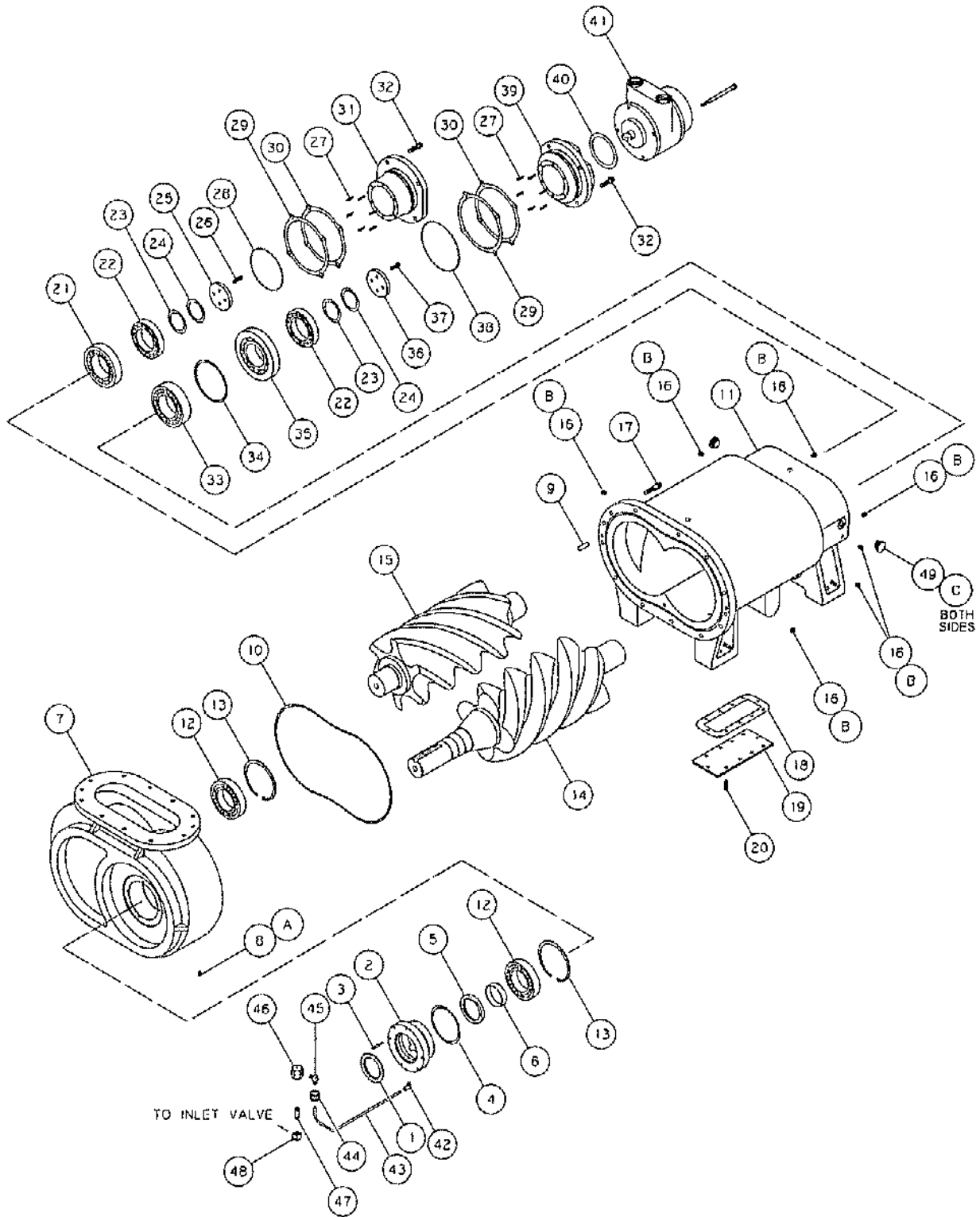
ITEMS 31 - 49 AND THE COMPONENT MAINTENANCE PARTS ARE ON FOLLOWING PAGES.

* **ITEMS NOT SOLD SEPARATELY**

** **QUANTITY AS REQUIRED**

@ indicates torque value in foot pounds. (*lubricated threads*)

BASIC AIREND GROUP (QSI 1000, less lift valve)
140824-003



BASIC AIREND GROUP (QSI 1000, less lift valve)

140824-003

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
31	1	129636	CAP-DISCHARGE
32	8	90386-Q16	SCREW-COUNTERBORE, 5/8-11 UNC X 1.75, GRADE 8 (@ 80 FT.-LBS.)
33	*		BEARING-ROTOR, DISCHARGE END
34	1	128964-001	RING-RETAINER, BEARING
35	*		BEARING-ROTOR, DISCHARGE END
36	1	129639	RETAINER-BEARING
37	4	90386-N18	SCREW-COUNTERBORE, 1/2-13 UNC X 2.25, GRADE 8 (@ 80 FT.-LBS.)
38	1	22749-445	O-RING, VITON
39	1	129637	ADAPTER-FLUID PUMP
40	1	20071	GASKET-FLUID PUMP
41	1	125452-010	PUMP-COMPRESSOR FLUID
42	1	128967-001	FITTING-ELBOW, 45° MALE, 1/4 TUBE X 1/8 NPT
43	3.0 FT	124435-003	TUBING-NYLON, 1/4 O.D.
44	1	140317	GROMMET-RUBBER
45	1	124349-004	FITTING-ELBOW, 90° MALE, 1/4 TUBE X 1/8 NPT
46	1	122056	VALVE-CAPACITY GAUGE
47	1	142125-3	NIPPLE, 1/8 NPT X CLOSE, EXTRA STRONG
48	1	122212	ELBOW-PIPE, 1/8 NPT X 1/4, BRASS
49	2	128883-075	PLUG-PIPE, 3/4-16, SAE O-RING

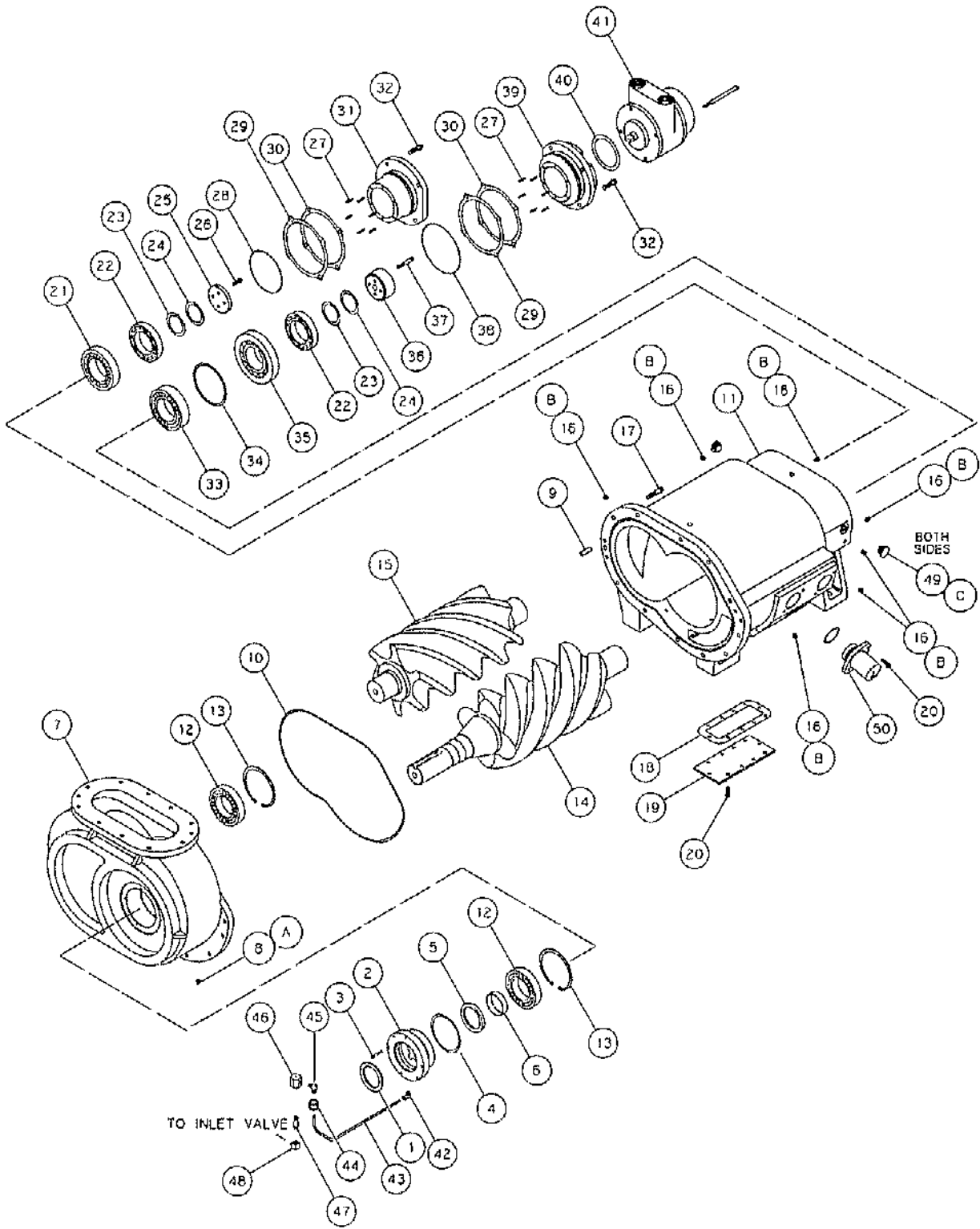
COMPONENT MAINTENANCE PARTS

A	2	140406-904	O-RING, VITON
B	10	140406-906	O-RING, VITON
C	2	140406-908	O-RING, VITON

* **ITEMS NOT SOLD SEPARATELY**

@ indicates torque value in foot pounds. (*lubricated threads*)

BASIC AIREND GROUP (QSI 1000, with lift valve)
140825-003



BASIC AIREND GROUP (QSI 1000, with lift valve)

140825-003

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	129634	SEAL-DYNA-LIP
2	1	129632	ADAPTER-SEAL
3	4	90386-J15	SCREW-COUNTERBORE, 1/4-20 UNC X 1.50, GRADE 8 (@ 9 FT.-LBS.)
4	1	22749-362	O-RING, VITON
5	1	129633	SEAL-SHAFT
6	1	129635	SEAL-WEAR RING
7	1	129910	CASING-INLET
8	2	128883-044	PLUG-PIPE, 7/16-20, SAE O-RING
9	2	124145-005	PIN-DOWEL
10	1	22749-472	O-RING, VITON
11	*		HOUSING-ROTOR
12	*		BEARING-ROTOR, SUCTION END
13	2	128203-662	RING-RETAINER, BEARING
14	*		ROTOR-MALE
15	*		ROTOR-FEMALE
16	10	128883-056	PLUG-PIPE, 9/16-18, SAE O-RING
17	13	90386-Q18	SCREW-COUNTERBORE, 5/8-11 UNC X 2.25, GRADE 8 (@ 170 FT.-LBS.)
18	1	23218	GASKET-PLATE, FLUID GALLERY
19	1	23217	PLATE-COVER, FLUID GALLERY
20	18	90386-L12	SCREW-COUNTERBORE, 3/8-16 UNC X 1.00 GRADE 8 (@ 35 FT.-LBS.)
21	*		BEARING-ROTOR, DISCHARGE END
22	*		BEARING-ROTOR, DISCHARGE END
23	**	129640-005	SHIM-BEARING, (0.005)
24	**	129640-010	SHIM-BEARING, (0.010)
25	1	129638	RETAINER-BEARING
26	4	90386-N14	SCREW-COUNTERBORE, 1/2-13 UNC X 1.25, GRADE 8 (@ 80 FT.-LBS.)
27	12	129973	SPRING-COMPRESSION
28	1	22749-439	O-RING, VITON
29	**	129641-005	SHIM-BEARING, (0.005)
30	**	129641-010	SHIM-BEARING, (0.010)

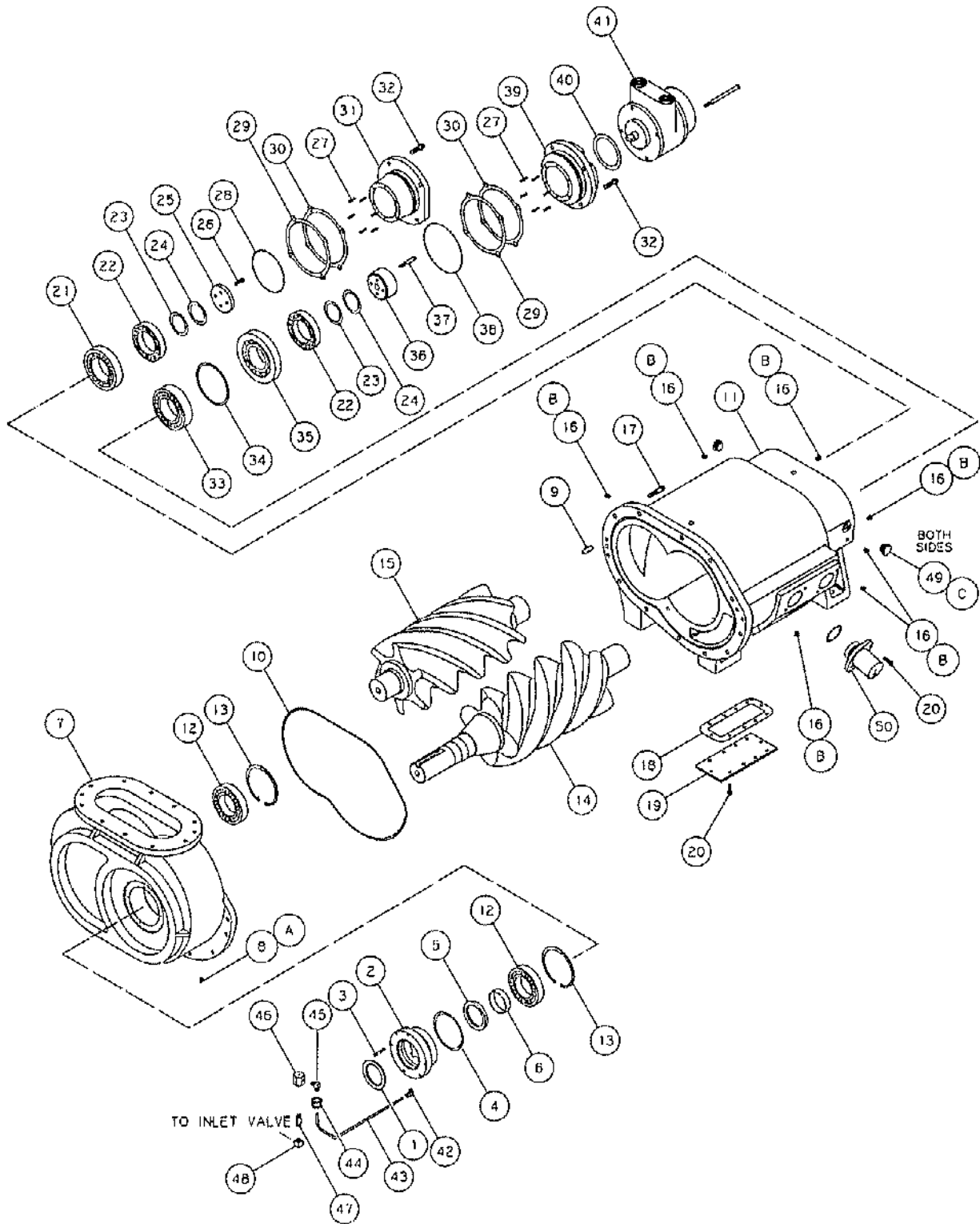
ITEMS 31 - 50 AND THE COMPONENT MAINTENANCE PARTS ARE ON FOLLOWING PAGES.

* **ITEMS NOT SOLD SEPARATELY**

** **QUANTITY AS REQUIRED**

@ indicates torque value in foot pounds. (lubricated threads)

BASIC AIREND GROUP (QSI 1000, with lift valve)
140825-003



BASIC AIREND GROUP (QSI 1000, with lift valve)

140825-003

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
31	1	129636	CAP-DISCHARGE
32	8	90386-Q16	SCREW-COUNTERBORE, 5/8-11 UNC X 1.75, GRADE 8 (@ 80 FT.-LBS.)
33	*		BEARING-ROTOR, DISCHARGE END
34	1	129964-001	RING-RETAINER, BEARING
35	*		BEARING-ROTOR, DISCHARGE END
36	1	129639	RETAINER-BEARING
37	4	90386-N18	SCREW-COUNTERBORE, 1/2-13 UNC X 2.25, GRADE 8 (@ 80 FT.-LBS.)
38	1	22749-445	O-RING, VITON
39	1	129637	ADAPTER-FLUID PUMP
40	1	20071	GASKET-FLUID PUMP
41	1	125452-010	PUMP-COMPRESSOR FLUID
42	1	128967-001	FITTING-ELBOW, 45° MALE, 1/4 TUBE X 1/8 NPT
43	3.0 FT	124435-003	TUBING-NYLON, 1/4 O.D.
44	1	140317	GROMMET-RUBBER
45	1	124349-004	FITTING-ELBOW, 90° MALE, 1/4 TUBE X 1/8 NPT
46	1	122056	VALVE-CAPACITY GAUGE
47	1	142125-3	NIPPLE, 1/8 NPT X CLOSE, EXTRA STRONG
48	1	122212	ELBOW-PIPE, 1/8 NPT X 1/4, BRASS
49	2	128883-075	PLUG-PIPE, 3/4-16, SAE O-RING
50	4	129965	VALVE-LIFT

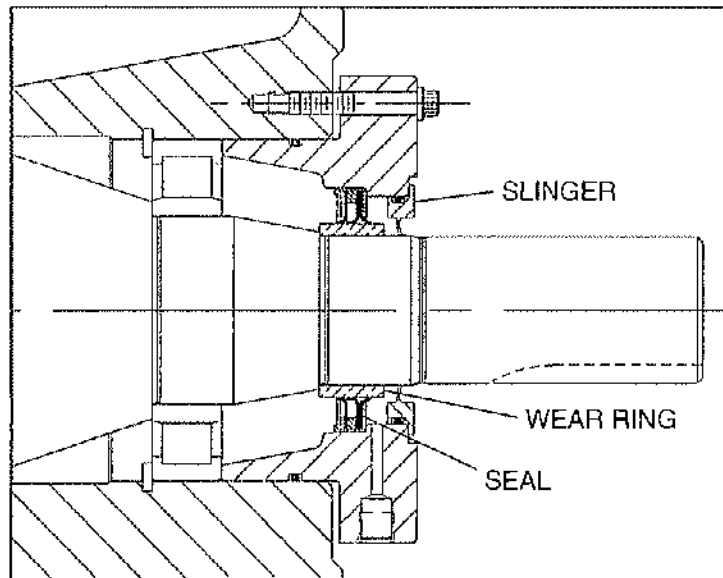
COMPONENT MAINTENANCE PARTS

A	2	140406-904	O-RING, VITON
B	10	140406-906	O-RING, VITON
C	2	140906-908	O-RING, VITON

* **ITEMS NOT SOLD SEPARATELY**

@ indicates torque value in foot pounds. (*lubricated threads*)

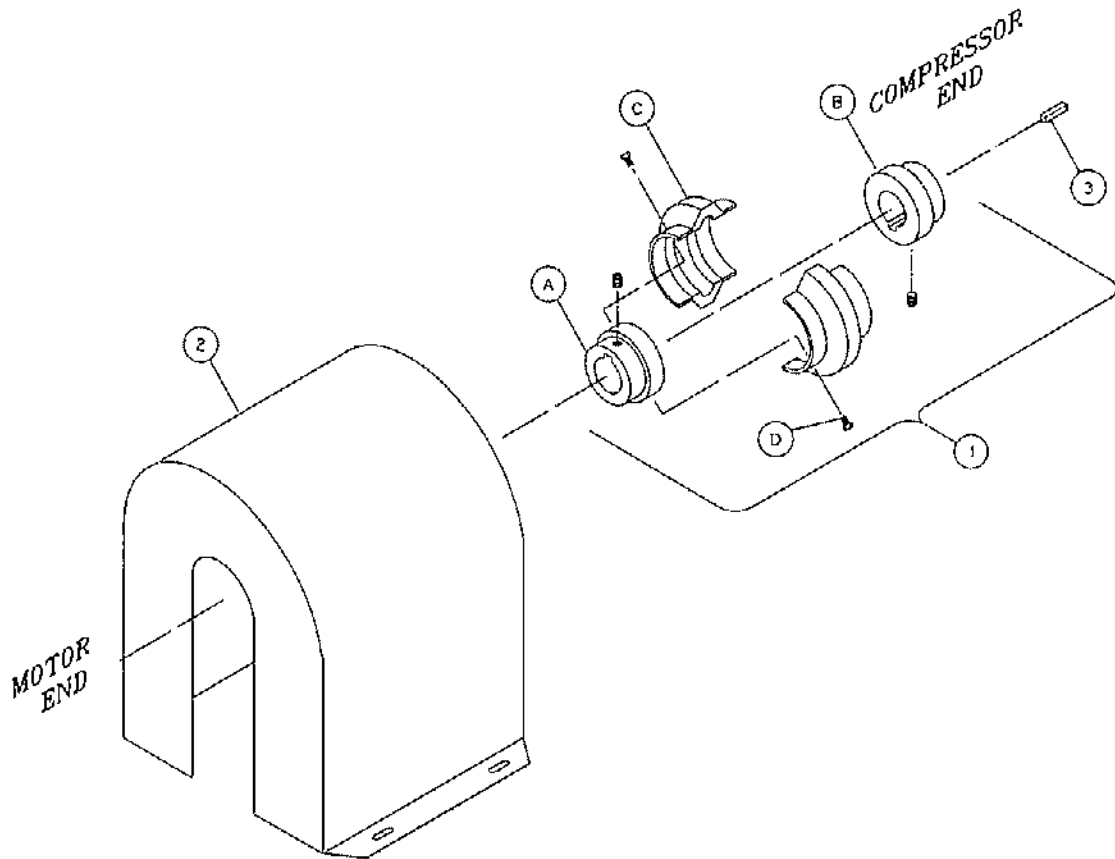
SHAFT SEAL KIT 141115



QTY.	PART NUMBER	DESCRIPTION
1	141115	KIT-SHAFT SEAL <i>(includes the following items)</i>
1	129634	SLINGER
1		SEAL-SHAFT
1		RING-WEAR

***NOTICE** Reference QSI Instruction Manual to install compressor shaft seal. Tool Kit 140454 for QSI shaft seal and wear ring installation can be purchased from QUINCY Compressor.

**COUPLING GROUP
140358-001**



ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	128387-118	COUPLING-DRIVE
2	1	140379	ASSEMBLY-GUARD, DRIVE COUPLING
3	1	23418	KEY-SHAFT

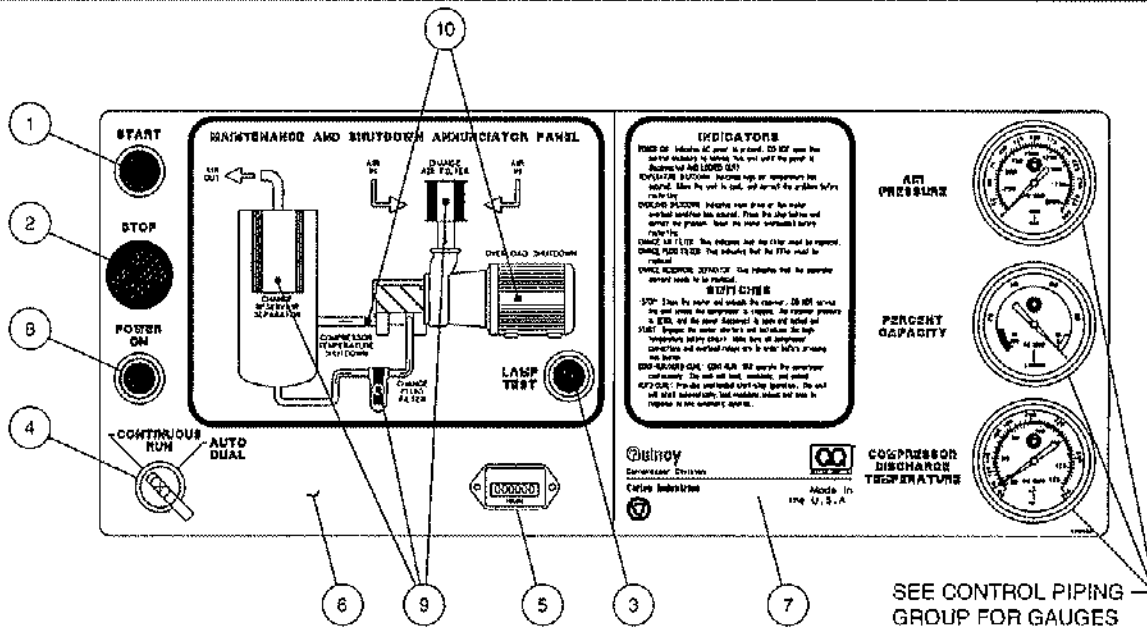
COMPONENT MAINTENANCE PARTS

A	1	128387-212	HUB-COUPLING, MOTOR SIDE <i>(includes set screw)</i>
B	1	128387-309	HUB-COUPLING, COMPRESSOR SIDE <i>(includes set screw)</i>
C	1	128387-409	ELEMENT-DRIVE COUPLING <i>(1 pr. of halves sold as a matched set only)</i>
D	1	128387-504	BOLT KIT-DRIVE COUPLING (@ 30 FT.-LBS)

@ indicates torque value in foot pounds. **(DRY THREADS)**

ANNUNCIATOR CONTROL (standard)

129591-002



NOTE: ITEMS 11 THRU 13 ARE NOT SHOWN.
THESE ITEMS ARE INSIDE THE ENCLOSURE
OR BEHIND THE PANEL.

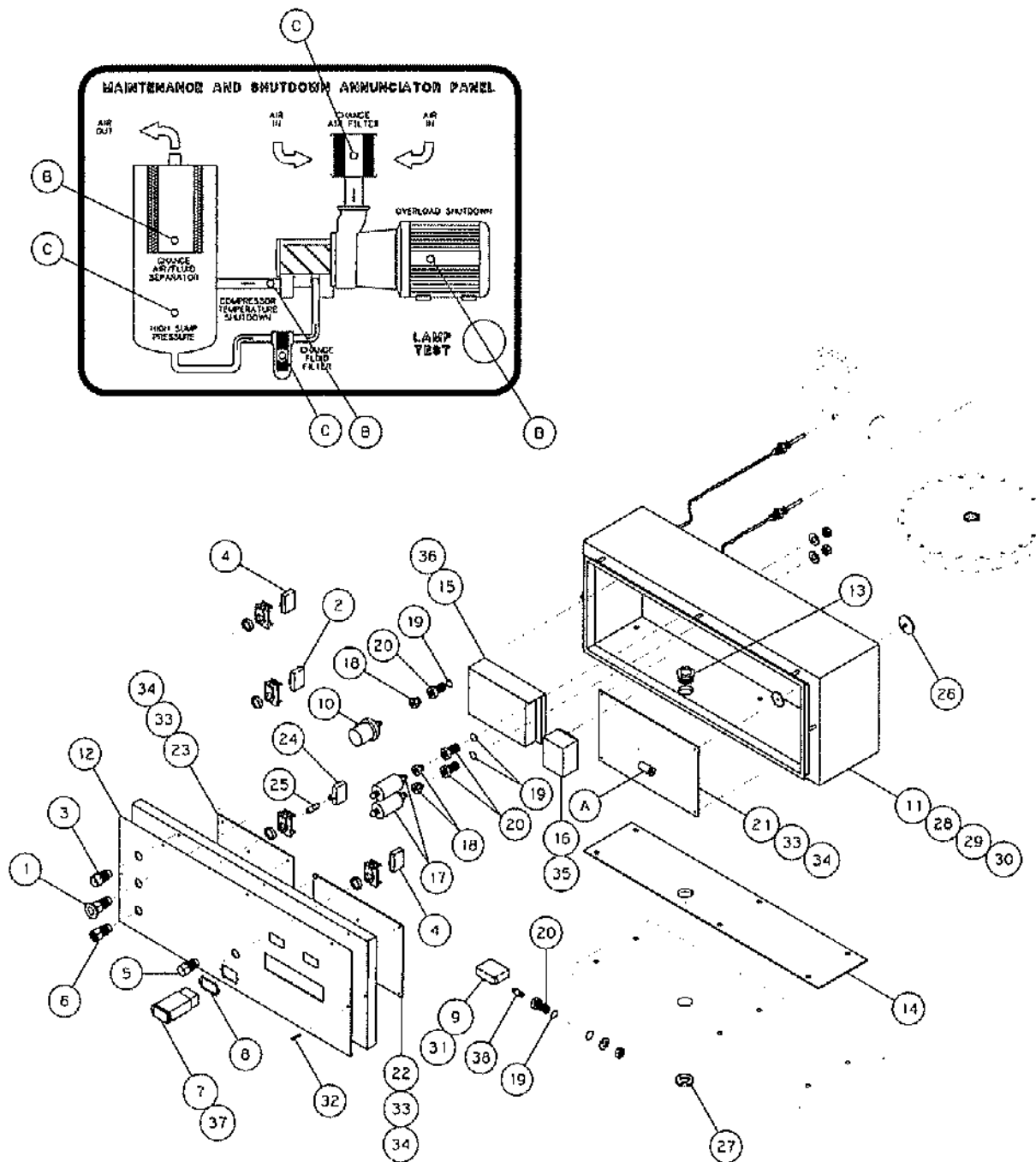
ANNUNCIATOR CONTROL (standard)
129591-002

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1		SWITCH-START
<i>Consisting of:</i>	(9)	129864-01	BLOCK-CONTACT, NORMALLY OPEN
	(1)	129863-02	BUTTON
2	1		SWITCH-STOP
<i>Consisting of:</i>	(1)	129864-02	BLOCK-CONTACT, NORMALLY CLOSED
	(1)	129863-01	BUTTON
3	1		SWITCH-PUSH TO TEST
<i>Consisting of:</i>	(5)	129864-01	BLOCK-CONTACT, NORMALLY OPEN
	(1)	129863-03	BUTTON
4	1		SWITCH-MODE
<i>Consisting of:</i>	(1)	129864-02	BLOCK-CONTACT, NORMALLY CLOSED
	(1)	129865	KNOB-OPERATOR
5	1	110871-120	HOURMETER
6	1	140684	DECAL-PANEL
7	1	140685	DECAL-PANEL
8	1		LIGHT-POWER ON
<i>Consisting of:</i>	(1)	129866	LENS CAP
	(1)	140123	HOLDER-LAMP
	(1)	129495	BULB
9	3*	129568-002	ANNUNCIATOR LIGHT-YELLOW
10	2*	129568-001	ANNUNCIATOR LIGHT-RED
11	1	129596-002	SWITCH-FLUID FILTER
12	1	129597-001	SWITCH-AIR FILTER
13	1	129596-001	SWITCH-SEPARATOR

**for replacement bulbs order 140122*

ANNUNCIATOR CONTROL (POWER\$YNC)

129591-009



ANNUNCIATOR CONTROL (POWER\$YNC)

129591-009

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	129863-01	BUTTON-STOP
2	1	129864-02	BLOCK-CONTACT, NORMALLY CLOSED
3	1	129863-02	BUTTON-START
4	2	129864-01	BLOCK-CONTACT, NORMALLY OPEN
5	1	129863-03	BUTTON-TEST
6	1	129866	LENS CAP, AMBER
7	1	110871-120	METER-MINI HOUR
8	1	110871-001	GASKET-HOUR METER
9	1	129596-003	SWITCH-PRESSURE
10	1	129597-001	SWITCH-VACUUM
11	1	129919	ENCLOSURE-ANNUNCIATOR
12	1	141813	DECAL-PANEL
13	1	23919-003	FITTING-CONDUIT
14	1	140552	GASKET-ANNUNCIATOR
15	1	140567	POWER SUPPLY-65 WATT, 50/60 HZ
16	1	142555	FILTER-LINE, 6A/250VAC-10A/115V
17	2	140550	TRANSDUCER-PRESSURE
18	3	140589-008	FITTING-ADAPTER, 1/8 X 1/4 NPT (<i>must be nylon</i>)
19	4	123157-117	O-RING
20	4	129203-003	COUPLING-BULKHEAD
21	1	140265-1A	BOARD-MICRO PROCESSOR
22	1	140265-2A	BOARD-DISPLAY
23	1	140265-3A	BOARD-ANNUNCIATOR
24	1	140123	BASE-LAMP
25	1	129495	LAMP-INCANDESCENT
26	1	40825-204	BLANK-CONDUIT
27	1	40626	NUT-CONDUIT
28	6	123478-L10	SCREW-HEX, 3/8-16 UNC X 0.75, GRADE 5 (@ 23 FT.-LBS.)
29	6	110428N038	FLATWASHER, 3/8
30	6	124370-L02	LOCKNUT-3/8-16 UNC
31	2	140551	SWITCH-TEMPERATURE, 0.50 NPT TBE, 13 FT. LEAD
32	5	140655-G10	SCREW-BUTTONHEAD, #10 X 3/4
33	16	160048-G09	SCREW-SET, #10 NF X 5/8
34	16	124365-G02	NUT-HEX, #10 NF
35	2	124364-F02	NUT-HEX, #8-32 UNC
36	4	140662-E03	SCREW-PAN HEAD, #6 NC X 1/4
37	2	123200-E04	SCREW-PAN HEAD, #6-32 UNC X 0.31
38	1	142125-2	NIPPLE-PIPE, 1/4 NPT X 1.25, EXTRA STRONG

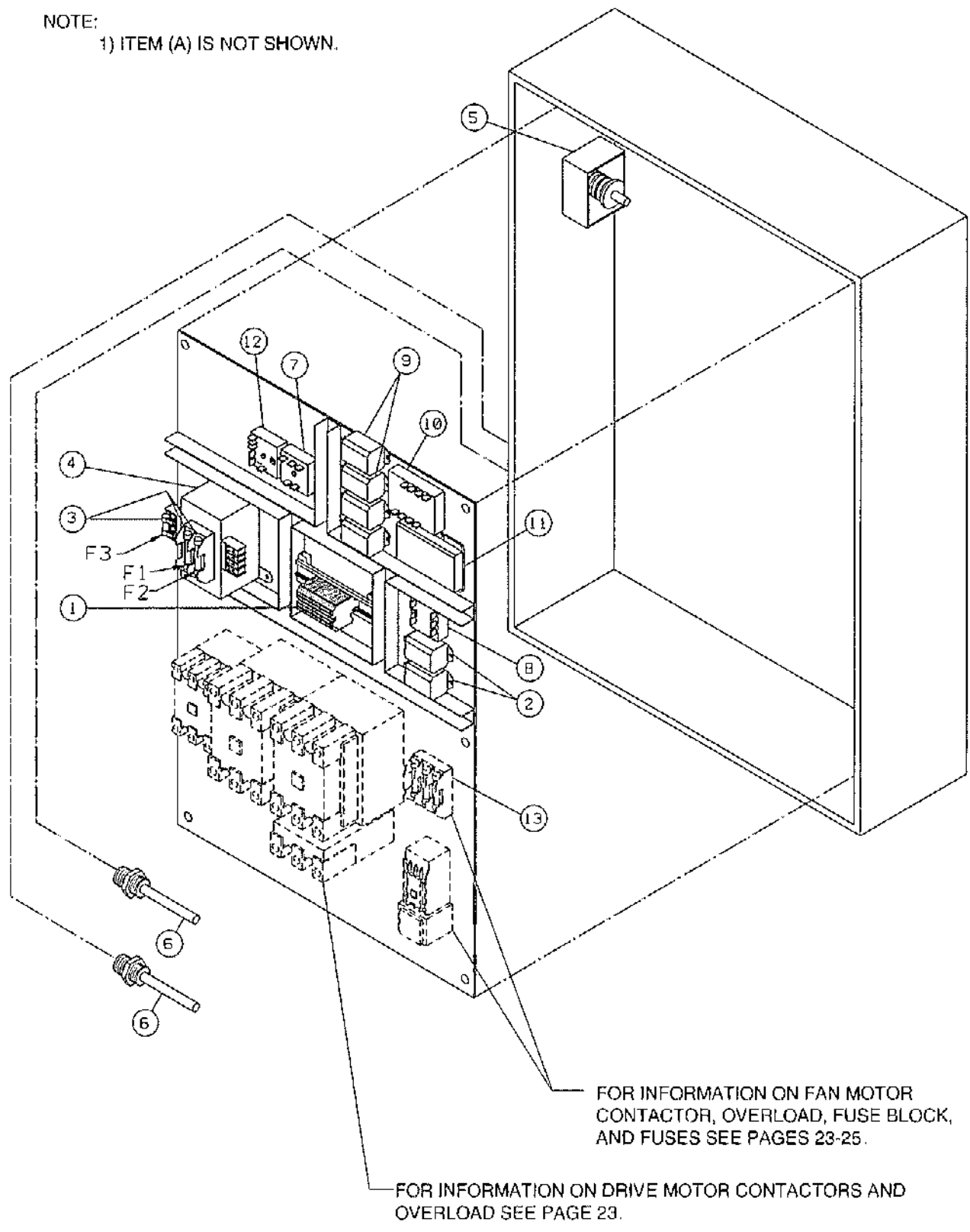
COMPONENT MAINTENANCE PARTS

A	1	140734-001	BATTERY
B	3	140702-001	ANNUNCIATOR LIGHT-RED
C	3	140702-002	ANNUNCIATOR LIGHT-YELLOW
	1	140524	HARNESS-POWER SUPPLY, AC (<i>not shown</i>)
	1	140525	HARNESS-POWER SUPPLY, DC (<i>not shown</i>)
	1	140548	HARNESS-ANNUNCIATOR PANEL (<i>not shown</i>)
	1	140591	HARNESS-RIBBON, 20 PIN, ANNUNCIATOR PANEL (<i>not shown</i>)
	1	140592	HARNESS-RIBBON, 34 PIN, LCD PANEL (<i>not shown</i>)
	1	140607	CABLE-COMMUNICATION, RELAY BOARD (<i>not shown</i>)
	1	140557	HARNESS-2 PIN (<i>not shown</i>)
	1	140540	HARNESS-6 PIN (<i>not shown</i>)
	1	140541	HARNESS-8 PIN (<i>not shown</i>)

@ indicates torque value in foot pounds (*lubricated threads*)

ELECTRICAL CONTROL AND STARTING (LESS POWER\$YNC) (across the line)

NOTE:
1) ITEM (A) IS NOT SHOWN.



FOR INFORMATION ON FAN MOTOR CONTACTOR, OVERLOAD, FUSE BLOCK, AND FUSES SEE PAGES 23-25.

FOR INFORMATION ON DRIVE MOTOR CONTACTORS AND OVERLOAD SEE PAGE 23.

**ELECTRICAL CONTROL AND STARTING
(LESS POWER\$YNC) (across the line)**

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	142334-01	ASSEMBLY-TERMINAL BLOCK
2	2	125706-005	RELAY
3	*		FUSES-TRANSFORMER (PAGE 25)
4	*		TRANSFORMER (PAGE 25)
5	1**	22454-1	SWITCH-PRESSURE
6	2	122880-222	SWITCH-TEMPERATURE
7	1	125705-016	TIMER-FAN
8			ITEM NOT USED
9	2	125706-005	RELAY-AUTO RESTART (OPTIONAL)
10	1	125705-014	TIMER-AUTO RESTART (OPTIONAL)
11	*		PHASE MONITOR (OPTIONAL) (PAGE 25)
12	1	122862-800	TIMER-15 MINUTES
13	1	126263-004	BLOCK-FUSE
	*		CONTACTOR-DRIVE MOTOR *** (BELOW)
	*		RELAY-OVERLOAD, DRIVE MOTOR *** (BELOW)
	*		ELEMENT-HEATER, DRIVE MOTOR *** (PAGE 24)
	*		CONTACTOR-FAN MOTOR (PAGE 24)
	*		RELAY-OVERLOAD, FAN MOTOR (PAGE 24)
	*		ELEMENT-HEATER, FAN MOTOR (PAGE 24)
	*		FUSES-FAN MOTOR (PAGE 25)
COMPONENT MAINTENANCE PARTS			
A	1	141784-001	LATCH-ENCLOSURE, NEMA 1
	1	141784-002	LATCH-ENCLOSURE, NEMA 4

NOTES:

- * Quantities and part numbers are listed in tabulations on the following pages
- ** Requires quantity of (2) on units with lead/lag option.
- *** 200 HP UNITS, 200 TO 415 VOLTS AND 250 HP UNITS, ALL VOLTAGES, ARE WIRED FOR REMOTE START.

DRIVE MOTOR CONTACTOR

	QTY	200 HP		250 HP	
		STD EFF	PREM EFF	STD EFF	PREM EFF
200V		N/A	N/A	N/A	N/A
230V		N/A	N/A	N/A	N/A
380V		N/A	N/A	N/A	N/A
415V		N/A	N/A	N/A	N/A
460V	1	141590-15	141590-15	N/A	N/A
575V	1	141590-14	141590-14	N/A	N/A

DRIVE MOTOR OVERLOAD RELAY

	QTY	200 HP		250 HP	
		STD EFF	PREM EFF	STD EFF	PREM EFF
200V		N/A	N/A	N/A	N/A
230V		N/A	N/A	N/A	N/A
380V		N/A	N/A	N/A	N/A
415V		N/A	N/A	N/A	N/A
460V	1	141591-086	141592-007	N/A	N/A
575V	1	141591-085	141592-006	N/A	N/A

**NOTE: STANDARD EFFICIENCY OVERLOADS ARE CLASS 10.
PREMIUM EFFICIENCY OVERLOADS ARE CLASS 20.**

**ELECTRICAL CONTROL AND STARTING
(LESS POWER\$YNC) (across the line)**

DRIVE MOTOR HEATER ELEMENT (CLASS 20)

		200 HP		250 HP	
	QTY	STD EFF	PREM EFF	STD EFF	PREM EFF
200V		N/A	N/A	N/A	N/A
230V		N/A	N/A	N/A	N/A
380V		N/A	N/A	N/A	N/A
415V		N/A	N/A	N/A	N/A
460V	3	N/A	141607-086	N/A	N/A
575V	3	N/A	141607-084	N/A	N/A

NOTE: HEATER ELEMENT USED ONLY WITH PREMIUM EFFICIENCY OVERLOADS.

FAN MOTOR CONTACTOR

AIR-COOLED (ALL UNITS) & WATER-COOLED (WITH CABINET ONLY)

		200 HP		250 HP	
	QTY	STD EFF	PREM EFF	STD EFF	PREM EFF
200V		N/A	N/A	N/A	N/A
230V		N/A	N/A	N/A	N/A
380V	1	141590-02	141590-02	141590-02	141590-02
415V	1	141590-02	141590-02	141590-02	141590-02
460V	1	141590-02	141590-02	141590-02	141590-02
575V	1	141590-02	141590-02	141590-02	141590-02

FAN MOTOR OVERLOAD RELAY

AIR-COOLED (ALL UNITS) & WATER-COOLED (WITH CABINET ONLY)

		200 HP		250 HP	
	QTY	STD EFF	PREM EFF	STD EFF	PREM EFF
200V		N/A	N/A	N/A	N/A
230V		N/A	N/A	N/A	N/A
380V	1	141591-014	141592-001	141591-014	141592-001
415V	1	141591-013	141592-001	141591-013	141592-001
460V	1	141591-012	141592-001	141591-012	141592-001
575V	1	141591-012	141592-001	141591-012	141592-001

**NOTE: STANDARD EFFICIENCY OVERLOADS ARE CLASS 10.
PREMIUM EFFICIENCY OVERLOADS ARE CLASS 20.**

FAN MOTOR HEATER ELEMENT (CLASS 20)

AIR-COOLED (ALL UNITS) & WATER-COOLED (WITH CABINET ONLY)

		200 HP		250HP	
	QTY	STD EFF	PREM EFF	STD EFF	PREM EFF
200V		N/A	N/A	N/A	N/A
230V		N/A	N/A	N/A	N/A
380V	1	N/A	141607-038	N/A	141607-038
415V	1	N/A	141607-037	N/A	141607-037
460V	1	N/A	141607-036	N/A	141607-036
575V	1	N/A	141607-034	N/A	141607-034

NOTE: HEATER ELEMENT USED ONLY WITH PREMIUM EFFICIENCY OVERLOADS.

**ELECTRICAL CONTROL AND STARTING
(LESS POWER\$YNC) (across the line)**

FAN MOTOR FUSES

AIR-COOLED (ALL UNITS) & WATER-COOLED (WITH CABINET ONLY)

		200 HP		250 HP	
	<i>QTY</i>	<i>STD EFF</i>	<i>PREM EFF</i>	<i>STD EFF</i>	<i>PREM EFF</i>
200V		N/A	N/A	N/A	N/A
230V		N/A	N/A	N/A	N/A
380V	3	128857-026	128857-026	128857-026	128857-026
415V	3	128857-025	128857-025	128857-025	128857-025
460V	3	128857-025	128857-025	128857-025	128857-025
575V	3	128857-023	128857-023	128857-023	128857-023

ITEM 3 TRANSFORMER FUSES

AIR-COOLED

	<i>QTY</i>	<i>PRIMARY</i>	<i>QTY</i>	<i>SECONDARY</i>
200V		N/A		N/A
230V		N/A		N/A
380V	2	128857-004	1	128622-400
415V	2	128857-004	1	128622-400
460V	2	128857-014	1	128622-400
575V	2	128857-011	1	128622-400

WATER-COOLED

	<i>QTY</i>	<i>PRIMARY</i>	<i>QTY</i>	<i>SECONDARY</i>
200V		N/A		N/A
230V		N/A		N/A
380V	2	128857-005	1	128622-500
415V	2	128857-012	1	128622-500
460V	2	128857-015	1	128622-500
575V	2	128857-004	1	128622-500

ITEM 4 TRANSFORMER

AIR-COOLED

WATER-COOLED

	<i>QTY</i>	<i>STD EFF</i>	<i>PREM EFF</i>	<i>STD EFF</i>	<i>PREM EFF</i>
200V		N/A	N/A	N/A	N/A
230V		N/A	N/A	N/A	N/A
380V	3	128413-356	128413-356	128413-506	128413-506
415V	3	128413-354	128413-354	128413-504	128413-504
460V	3	128413-353	128413-353	128413-503	128413-503
575V	3	128413-355	128413-355	128413-505	128413-505

ITEM 11 PHASE MONITOR

AIR-COOLED

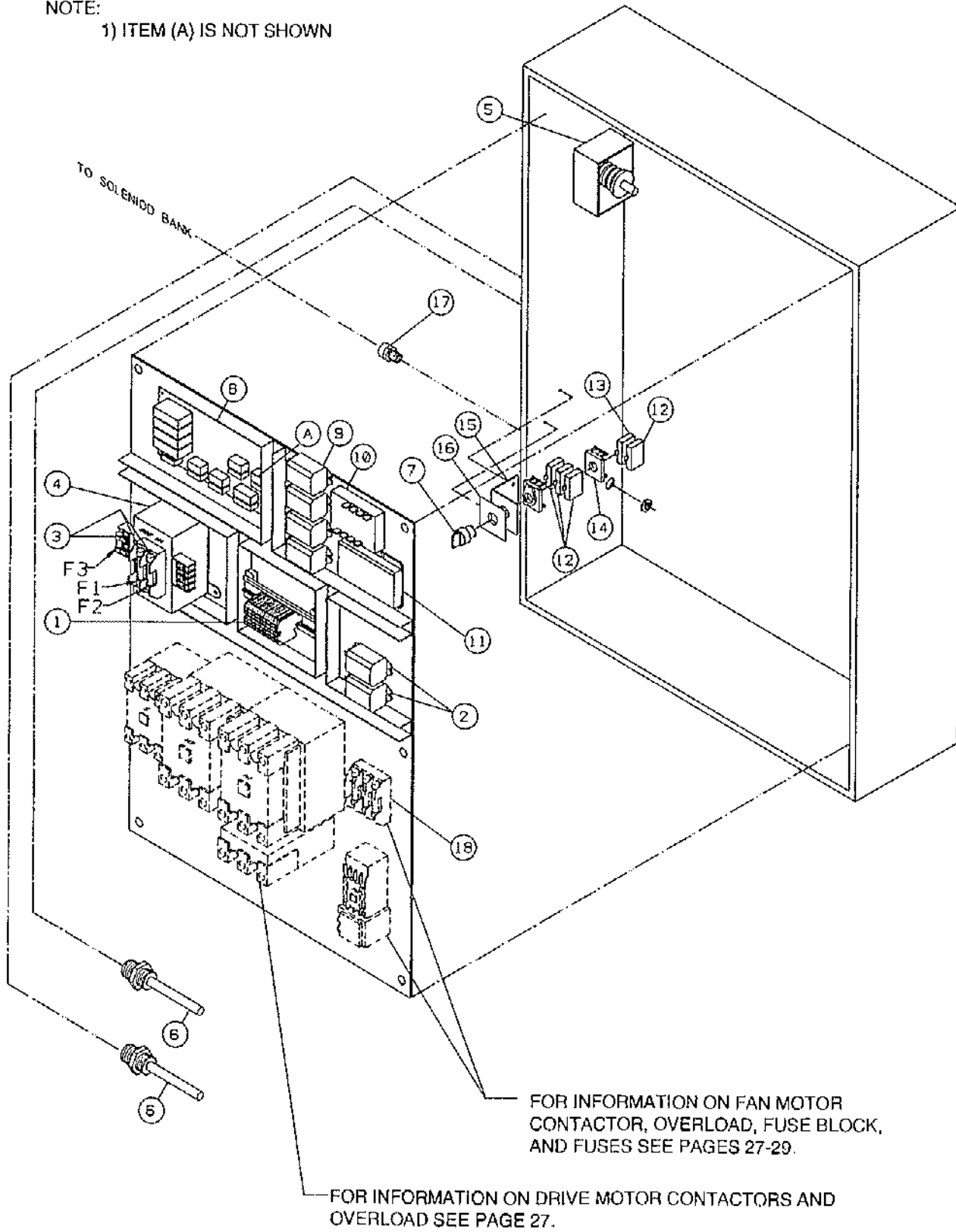
WATER-COOLED

	<i>QTY</i>	<i>STD EFF</i>	<i>PREM EFF</i>	<i>STD EFF</i>	<i>PREM EFF</i>
200V	1	129200-001	129200-001	129200-001	129200-001
230V		129200-001	129200-001	129200-001	129200-001
380V	1	129200-003	129200-003	129200-003	129200-003
415V	1	129200-003	129200-003	129200-003	129200-003
460V	1	129200-002	129200-002	129200-002	129200-002
575V	1	128422-003	128422-003	128422-003	128422-003

ELECTRICAL CONTROL AND STARTING (WITH POWER\$YNC) (across the line)

NOTE:

1) ITEM (A) IS NOT SHOWN



ELECTRICAL CONTROL AND STARTING (WITH POWER\$YNC) (across the line)

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	142076-001	ASSEMBLY-TERMINAL BLOCK
2	2	125706-005	RELAY
3	*		FUSES-TRANSFORMER (PAGE 29)
4	*		TRANSFORMER (PAGE 29)
5	1**	22454-1	SWITCH-PRESSURE
6	2	122880-222	SWITCH-TEMPERATURE
7	1	129865	SWITCH-SELECTOR
8	1	140265-4B	BOARD-RELAY
9	2	125706-005	RELAY-AUTO RESTART (OPTIONAL)
10	1	125705-014	TIMER-AUTO RESTART (OPTIONAL)
11	*		PHASE MONITOR (OPTIONAL) (PAGE 29)
12	4	129864-02	BLOCK-CONTACT (NORMALLY CLOSED)
13	1	129864-01	BLOCK-CONTACT (NORMALLY OPEN)
14	1	140142	SWITCH-CLIP
15	1	140533	BRACKET-SWITCH
16	1	141814	DECAL-SWITCH, POWER\$YNC/MANUAL MODE
17	1	142096-01	FITTING-STRAIN RELIEF
18	1	126263-004	BLOCK-FUSE
	*		CONTACTOR-DRIVE MOTOR (BELOW)
	*		RELAY-OVERLOAD, DRIVE MOTOR (BELOW)
	*		ELEMENT-HEATER, DRIVE MOTOR (PAGE 28)
	*		CONTACTOR-FAN MOTOR (PAGE 28)
	*		RELAY-OVERLOAD, FAN MOTOR (PAGE 28)
	*		ELEMENT-HEATER,FAN MOTOR (PAGE 28)
	*		FUSES-FAN MOTOR (PAGE 29)

COMPONENT MAINTENANCE PARTS

A	1	1417B4-001	LATCH-ENCLOSURE, NEMA 1
	1	1417B4-002	LATCH-ENCLOSURE, NEMA 4

NOTES:

- * Quantities and part numbers are listed in tabulations on the following pages
- ** Requires quantity of (2) on units with lead / log option
- *** 200 HP UNITS, 200 TO 415 VOLTS AND 250 HP UNITS, ALL VOLTAGES, ARE WIRED FOR REMOTE START.

DRIVE MOTOR CONTACTOR

	QTY	200 HP		250 HP	
		STD EFF	PREM EFF	STD EFF	PREM EFF
200V		N/A	N/A	N/A	N/A
230V		N/A	N/A	N/A	N/A
380V		N/A	N/A	N/A	N/A
415V		N/A	N/A	N/A	N/A
460V	1	141590-15	141590-15	N/A	N/A
575V	1	141590-14	141590-14	N/A	N/A

DRIVE MOTOR OVERLOAD RELAY

	QTY	200 HP		250 HP	
		STD EFF	PREM EFF	STD EFF	PREM EFF
200V		N/A	N/A	N/A	N/A
230V		N/A	N/A	N/A	N/A
380V		N/A	N/A	N/A	N/A
415V		N/A	N/A	N/A	N/A
460V	1	141591-086	141592-007	N/A	N/A
575V	1	141591-085	141592-006	N/A	N/A

NOTE: STANDARD EFFICIENCY OVERLOADS ARE CLASS 10.
PREMIUM EFFICIENCY OVERLOADS ARE CLASS 20.

ELECTRICAL CONTROL AND STARTING
(WITH POWER\$YNC) (across the line)

DRIVE MOTOR HEATER ELEMENT (CLASS 20)

		200 HP		250 HP	
	QTY	STD EFF	PREM EFF	STD EFF	PREM EFF
200V		N/A	N/A	N/A	N/A
230V		N/A	N/A	N/A	N/A
380V		N/A	N/A	N/A	N/A
415V		N/A	N/A	N/A	N/A
460V	3	N/A	141607-086	N/A	N/A
575V	3	N/A	141607-084	N/A	N/A

NOTE: HEATER ELEMENT USED ONLY WITH PREMIUM EFFICIENCY OVERLOADS.

FAN MOTOR CONTACTOR

AIR-COOLED (ALL UNITS) & WATER-COOLED (WITH CABINET ONLY)

		200 HP		250 HP	
	QTY	STD EFF	PREM EFF	STD EFF	PREM EFF
200V		N/A	N/A	N/A	N/A
230V		N/A	N/A	N/A	N/A
380V	1	141590-02	141590-02	141590-02	141590-02
415V	1	141590-02	141590-02	141590-02	141590-02
460V	1	141590-02	141590-02	141590-02	141590-02
575V	1	141590-02	141590-02	141590-02	141590-02

FAN MOTOR OVERLOAD RELAY

AIR-COOLED (ALL UNITS) & WATER-COOLED (WITH CABINET ONLY)

		200 HP		250 HP	
	QTY	STD EFF	PREM EFF	STD EFF	PREM EFF
200V		N/A	N/A	N/A	N/A
230V		N/A	N/A	N/A	N/A
380V	1	141591-014	141592-001	141591-014	141592-001
415V	1	141591-013	141592-001	141591-013	141592-001
460V	1	141591-012	141592-001	141591-012	141592-001
575V	1	141591-012	141592-001	141591-012	141592-001

NOTE: STANDARD EFFICIENCY OVERLOADS ARE CLASS 10.
PREMIUM EFFICIENCY OVERLOADS ARE CLASS 20.

FAN MOTOR HEATER ELEMENT (CLASS 20)

AIR-COOLED (ALL UNITS) & WATER-COOLED (WITH CABINET ONLY)

		200 HP		250HP	
	QTY	STD EFF	PREM EFF	STD EFF	PREM EFF
200V		N/A	N/A	N/A	N/A
230V		N/A	N/A	N/A	N/A
380V	1	N/A	141607-038	N/A	141607-038
415V	1	N/A	141607-037	N/A	141607-037
460V	1	N/A	141607-036	N/A	141607-036
575V	1	N/A	141607-034	N/A	141607-034

NOTE: HEATER ELEMENT USED ONLY WITH PREMIUM EFFICIENCY OVERLOADS.

**ELECTRICAL CONTROL AND STARTING
(WITH POWER\$YNC) (across the line)**

FAN MOTOR FUSES

AIR-COOLED (ALL UNITS) & WATER-COOLED (WITH CABINET ONLY)

		200 HP		250 HP	
	<i>QTY</i>	<i>STD EFF</i>	<i>PREM EFF</i>	<i>STD EFF</i>	<i>PREM EFF</i>
200V		N/A	N/A	N/A	N/A
230V		N/A	N/A	N/A	N/A
380V	3	128857-026	128857-026	128857-026	128857-026
415V	3	128857-025	128857-025	128857-025	128857-025
460V	3	128857-025	128857-025	128857-025	128857-025
575V	3	128857-023	128857-023	128857-023	128857-023

ITEM 3 TRANSFORMER FUSES

200 AND 250 HP

	<i>QTY</i>	<i>PRIMARY</i>	<i>QTY</i>	<i>SECONDARY</i>
200V		N/A		N/A
230V		N/A		N/A
380V	2	128857-005	1	128622-500
415V	2	128857-012	1	128622-500
460V	2	128857-015	1	128622-500
575V	2	128857-004	1	128622-500

ITEM 4 TRANSFORMER

200 AND 250 HP

	<i>QTY</i>	<i>STD EFF</i>	<i>PREM EFF</i>	<i>STD EFF</i>	<i>PREM EFF</i>
200V		N/A	N/A	N/A	N/A
230V		N/A	N/A	N/A	N/A
380V	2	128413-506	128413-506	128413-506	128413-506
415V	3	128413-504	128413-504	128413-504	128413-504
460V	3	128413-503	128413-503	128413-503	128413-503
575V	3	128413-505	128413-505	128413-505	128413-505

ITEM 11 PHASE MONITOR

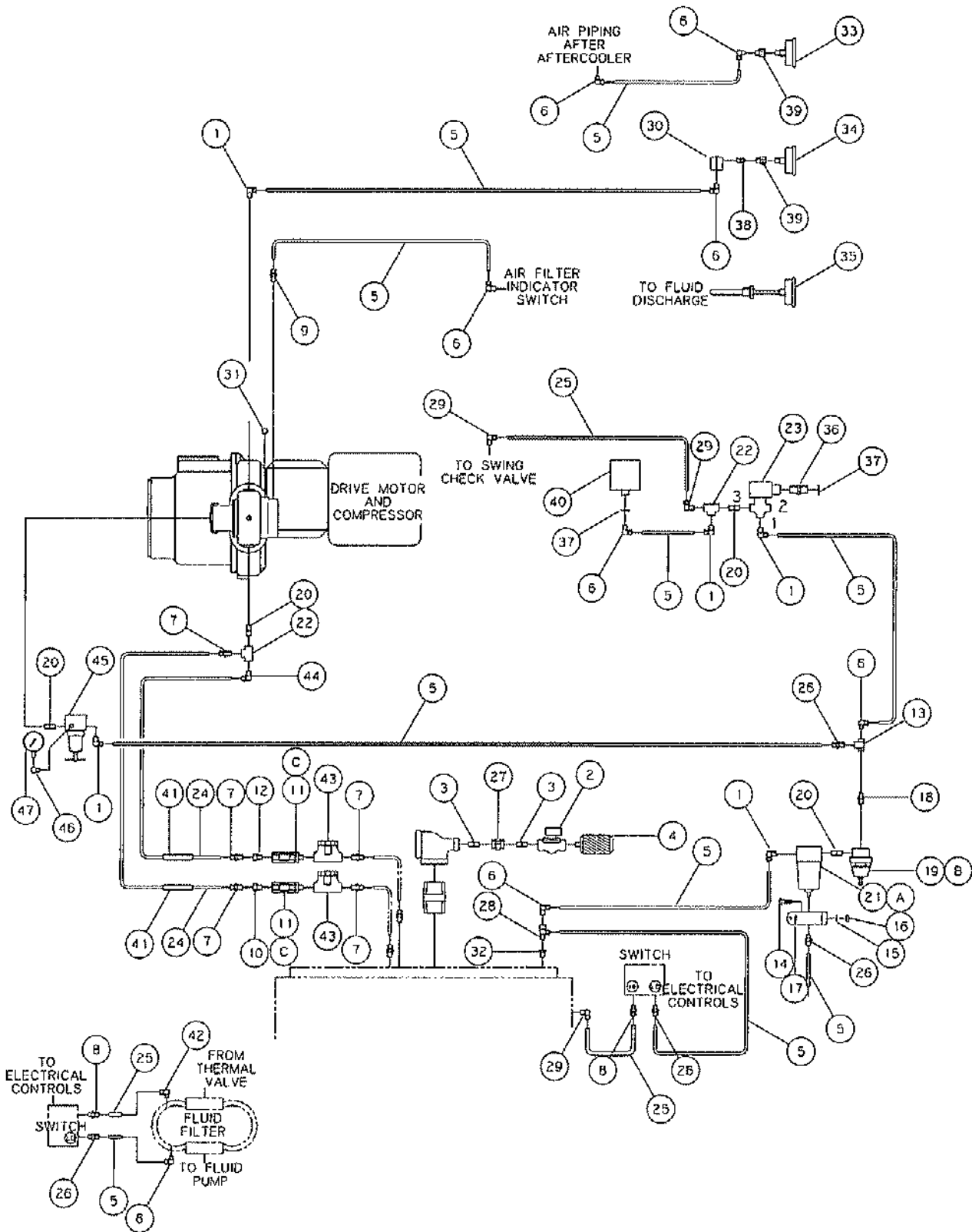
AIR-COOLED

WATER-COOLED

	<i>QTY</i>	<i>STD EFF</i>	<i>PREM EFF</i>	<i>STD EFF</i>	<i>PREM EFF</i>
200V	1	129200-001	129200-001	129200-001	129200-001
230V		129200-001	129200-001	129200-001	129200-001
380V	1	129200-003	129200-003	129200-003	129200-003
415V	1	129200-003	129200-003	129200-003	129200-003
460V	1	129200-002	129200-002	129200-002	129200-002
575V	1	128422-003	128422-003	128422-003	128422-003

CONTROL PIPING GROUP (across the line)

140664-001



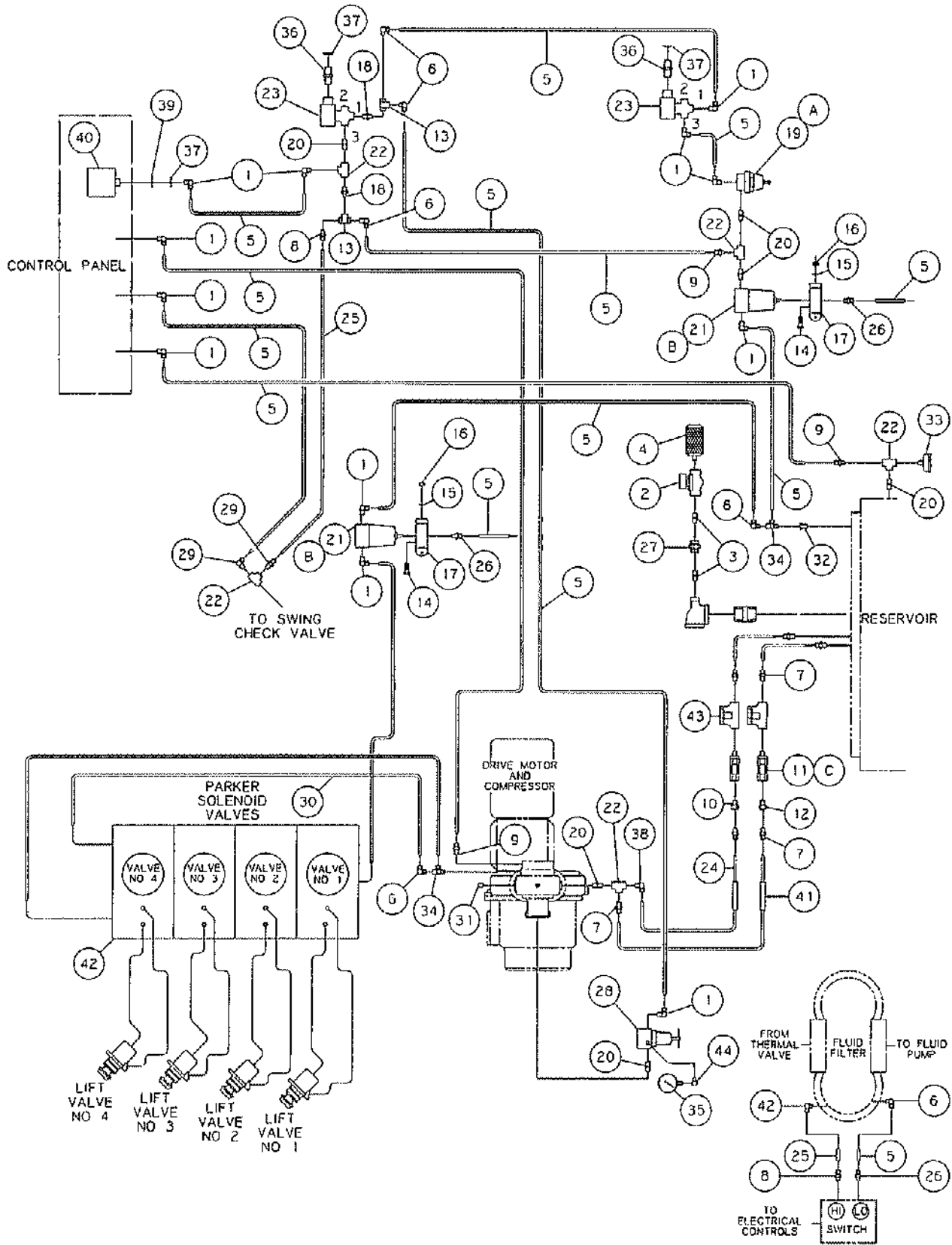
CONTROL PIPING GROUP *(across the line)*

140664-001

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	5	124349-005	FITTING-ELBOW, 90° MALE, 1/4 TUBE X 1/4 NPT
2	1	22015V	VALVE-SOLENOID, BLOWDOWN
3	2	125936-001	NIPPLE-PIPE, 3/4 NPT X CLOSE
4	1	22014	MUFFLER-BLOWDOWN VALVE
5	47.0 FT	124435-003	TUBING-NYLON, 1/4 O.D.
6	8	124349-004	FITTING-ELBOW, 90° MALE, 1/4 TUBE X 1/8 NPT
7	5	126353-006	FITTING-MALE CONNECTOR, 1/4 TUBE X 1/4 NPT
8	2	124393-010	FITTING-MALE CONNECTOR, 3/8 TUBE X 1/8 NPT
9	1	124393-005	FITTING-MALE CONNECTOR, 1/4 TUBE X 1/4 NPT
10	1	125025-002	ORIFICE-LINE FILTER (0.078)
11	2	129545	GAUGE-SIGHT FLOW
12	1	125025	ORIFICE-LINE FILTER (0.040)
13	1	90084	VALVE-SHUTTLE
14	1	123478-L12	SCREW-HEX, 3/8-16 UNC X 1.00, GRADE 5 (@ 23 FT.-LBS.)
15	1	123115-06C	LOCKWASHER, 3/8
16	1	124364-L02	NUT-HEX, 3/8-16 UNC
17	1	122417-002	BRACKET-LINE FILTER HANGER
18	1	111098-002	NIPPLE, 1/8 NPT X 1/4 NPT X CLOSE, BRASS
19	1	120494	REGULATOR-DIFFERENTIAL PRESSURE
20	4	142125-2	NIPPLE, 1/4 NPT X 1-1/4, EXTRA STRONG
21	1	129731	FILTER-LINE, AUTOMATIC DRAIN
22	2	121034-2	TEE-PIPE, 1/4 NPT, BRASS
23	1	120496-5	VALVE-SOLENOID, 3-WAY
24	10.0 FT	140333	TUBE-FORMED, 1/4 O.D.
25	10.5 FT	124435-004	TUBING-NYLON, 3/8 O.D.
26	4	124393-004	FITTING-MALE CONNECTOR, 1/4 TUBE X 1/8 NPT
27	1	127289-005	UNION-PIPE, 3/4 NPT
28	1	20201	FITTING-TEE, 1/4 TUBE X 1/8 NPT X 1/8 NPT
29	3	124349-010	FITTING-ELBOW, 3/8 TUBE X 1/4 NPT
30	1	122056	VALVE-CAPACITY GAUGE
31	1	2719	PLUG-PIPE, 1/4 NPT, HEX SOCKET
32	1	121033-1	BUSHING-PIPE, 1/4 NPT X 1/8 NPT, BRASS
33	1	128662	GAUGE-PRESSURE (0-300 P.S.I.)
34	1	128663	GAUGE-PERCENT CAPACITY
35	1	128664	GAUGE-THERMAL
36	1	22455	CONNECTOR-ELECTRICAL, 1/2
37	2	8052	LOCKNUT-CONDUIT, 1/2
38	1	142125-13	NIPPLE-1/8 NPT X CLOSE, EXTRA STRONG
39	2	125260-001	REDUCER-PIPE, 1/4 NPT X 1/8 NPT, BRASS
40	1	22454-1	SWITCH-PRESSURE
41	0.50 FT	140326-04	TUBING-FUEL
42	1	124349-009	FITTING-ELBOW, 3/8 TUBE X 1/8 NPT
43	2	5529	FILTER-LINE
44	1	110419-005	FITTING-ELBOW, 90° MALE, 1/4 TUBE X 1/4 NPT
45	1	23543-001	REGULATOR-PRESSURE
46	1	122636	ELBOW-PIPE, 1/4 NPT, BRASS
47	1	140718	GAUGE-PRESSURE
COMPONENT MAINTENANCE PARTS			
A	1	129731-050	KIT-LINE FILTER <i>(includes bowl seal, filter element, gasket)</i>
B	1	20775	KIT-DIFFERENTIAL PILOT VALVE <i>(includes diaphragm, gasket, seat gasket, seat disk, seat ring)</i>
C	1	129545-050	KIT-FLOW GAUGE <i>(includes sight glass, viton seals)</i>

@ indicates torque value in foot pounds *(lubricated threads)*

CONTROL PIPING GROUP (POWER\$YNC) 140583-001 (with lift valve)



**CONTROL PIPING GROUP (POWER\$YNC)
140583-001 (with lift valve)**

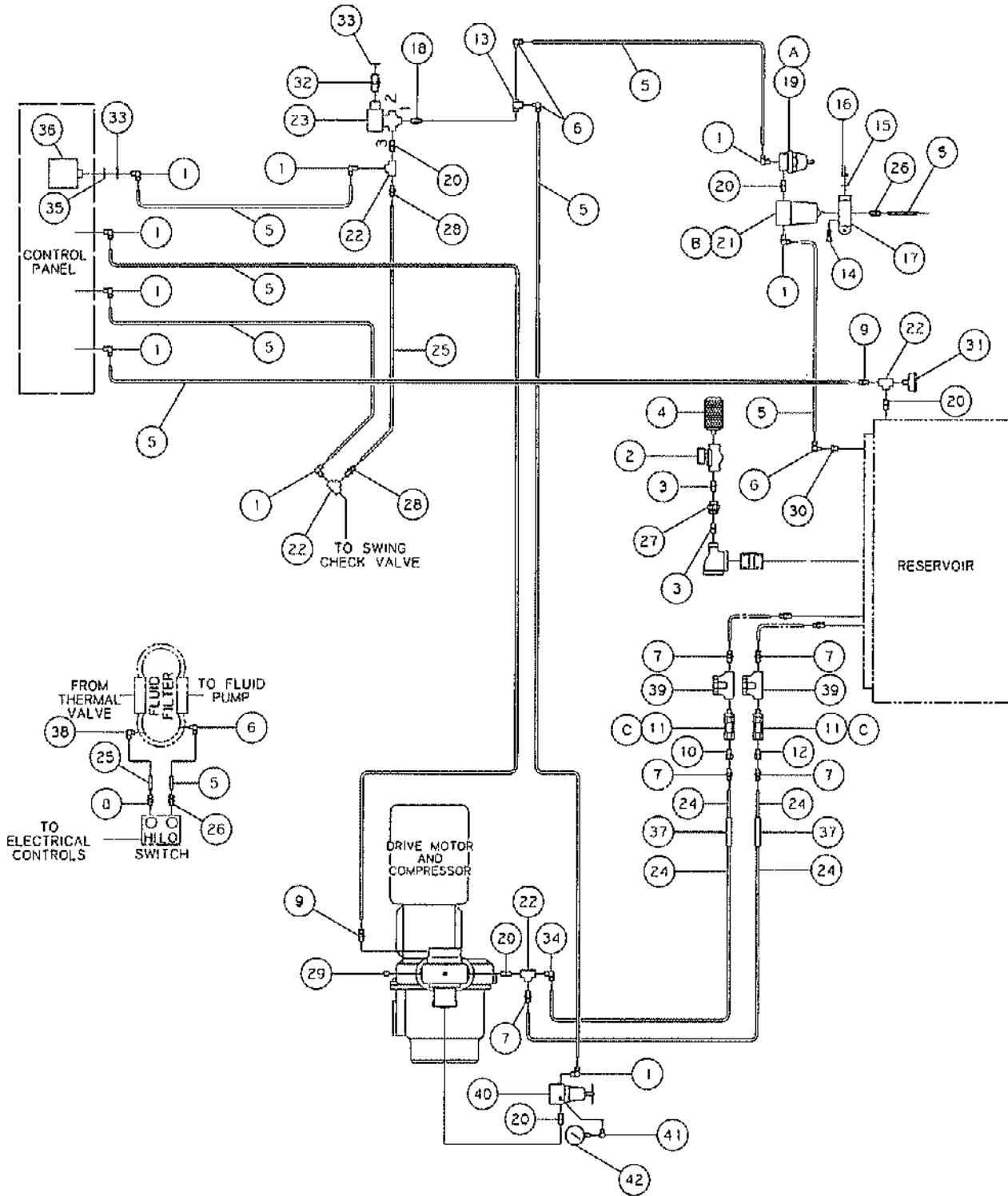
ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	13	124349-005	FITTING-ELBOW, 90° MALE, 1/4 TUBE X 1/4 NPT
2	1	22015V	VALVE-SOLENOID, 2-WAY
3	2	125936-001	NIPPLE-PIPE, 3/4 NPT X CLOSE
4	1	22014	MUFFLER-BLOWDOWN VALVE
5	50.0 FT	124435-003	TUBING-NYLON, 1/4 O.D.
6	6	124349-004	FITTING-ELBOW, 90° MALE, 1/4 TUBE X 1/8 NPT
7	5	126353-006	FITTING-MALE CONNECTOR, 1/4 TUBE X 1/4 NPT
8	2	124393-010	FITTING-MALE CONNECTOR, 3/8 TUBE X 1/8 NPT
9	3	124393-005	FITTING-MALE CONNECTOR, 1/4 TUBE X 1/4 NPT
10	1	125025-002	ORIFICE-LINE FILTER (0.078)
11	2	129545	GAUGE-SIGHT FLOW
12	1	125025	ORIFICE-LINE FILTER (0.040)
13	2	90084	VALVE-SHUTTLE
14	2	123478-L12	SCREW-HEX, 3/8-16 UNC X 1.00, GRADE 5 (@ 23 FT.-LBS.)
15	2	123115-06C	LOCKWASHER, 3/8
16	2	124364-L02	NUT-HEX, 3/8-16 UNC
17	2	122417-002	BRACKET-LINE FILTER HANGER
18	2	111098-002	NIPPLE, 1/8 NPT X 1/4 NPT X CLOSE, BRASS
19	1	21969-2	VALVE-DIFFERENTIAL PILOT
20	6	142125-2	NIPPLE, 1/4 NPT X 1-1/4, EXTRA STRONG
21	2	129731	FILTER-LINE, AUTOMATIC
22	5	121034-2	TEE-PIPE, 1/4 NPT, BRASS
23	2	120496-5	VALVE-SOLENOID, 3-WAY
24	10.0 FT	140333	TUBE-FORMED, 1/4 O.D.
25	10.5 FT	124435-004	TUBING-NYLON, 3/8 O.D.
26	4	124393-004	FITTING-MALE CONNECTOR, 1/4 TUBE X 1/8 NPT
27	1	127289-005	UNION-PIPE, 3/4 NPT
28	1	23543-001	REGULATOR-PRESSURE
29	1	124393-012	FITTING-MALE CONNECTOR, 3/8 TUBE X 1/4 NPT
30	1	142153-01	VALVE-SOLENOID, 4 WAY
31	1	2719	PLUG-PIPE, 1/4 NPT, HEX SOCKET
32	1	121033-1	BUSHING-PIPE, 1/4 NPT X 1/8 NPT, BRASS
33	1	126345	GAUGE-PRESSURE, LIQUID FILLED (0-200 P.S.I.)
34	2	20201	FITTING-TEE, 1/4 TUBE X 1/8 NPT X 1/8 NPT
35	1	140718	GAUGE-PRESSURE
36	2	22455	CONNECTOR-ELECTRICAL, 1/2
37	3	8052	LOCKNUT-CONDUIT, 1/2
38	1	110419-005	FITTING-ELBOW, 90° MALE, 1/4 TUBE X 1/4 NPT
39	1	123506-02	SEAL-LIQUIDTITE, 1/2
40	1	22454-1	SWITCH-PRESSURE
41	0.50 FT	140326-04	TUBING-FUEL
42	1	124349-009	FITTING-ELBOW, 3/8 TUBE X 1/8 NPT
43	2	5529	FILTER-LINE
44	1	122636	ELBOW-PIPE, 1/4 NPT, BRASS

COMPONENT MAINTENANCE PARTS

A	1	20775	KIT-DIFFERENTIAL PILOT VALVE (includes diaphragm, gasket, seat gasket, seat disk, seat ring)
B	1	129731-050	KIT-LINE FILTER (includes bowl seal, filter element, gasket)
C	2	129545-050	KIT-FLOW GAUGE (includes sight glass, viton seals)

@ indicates torque value in foot pounds (lubricated threads)

CONTROL PIPING GROUP (POWER\$YNC)
141333-001 (less lift valve)



CONTROL PIPING GROUP (POWER\$YNC)
141333-001 (less lift valve)

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	9	124349-005	FITTING-ELBOW, 90° MALE, 1/4 TUBE X 1/4 NPT
2	1	22015V	VALVE-SOLENOID, BLOWDOWN
3	2	125936-001	NIPPLE-PIPE, 3/4 NPT X CLOSE
4	1	22014	MUFFLER-BLOWDOWN VALVE
5	30.0 FT	124435-003	TUBING-NYLON, 1/4 O D
6	4	124349-004	FITTING-ELBOW, 90° MALE, 1/4 TUBE X 1/8 NPT
7	5	126353-006	FITTING-MALE CONNECTOR, 1/4 TUBE X 1/4 NPT
8	1	124393-010	FITTING-MALE CONNECTOR, 3/8 TUBE X 1/8 NPT
9	2	124393-005	FITTING-MALE CONNECTOR, 1/4 TUBE X 1/4 NPT
10	1	125025-002	ORIFICE-LINE FILTER (0.078)
11	2	129545	GAUGE-SIGHT FLOW
12	1	125025	ORIFICE-LINE FILTER (0.040)
13	1	90084	VALVE-SHUTTLE
14	1	123478-L12	SCREW-HEX, 3/8-16 UNC X 1.00, GRADE 5 (@ 23 FT.-LBS.)
15	1	123115-06C	LOCKWASHER, 3/8
16	1	124364-L02	NUT-HEX, 3/8-16 UNC
17	1	122417-002	BRACKET-LINE FILTER HANGER
18	1	111098-002	NIPPLE, 1/8 NPT X 1/4 NPT X CLOSE, BRASS
19	1	21969-2	VALVE-DIFFERENTIAL PILOT
20	5	142125-2	NIPPLE, 1/4 NPT X 1-1/4, EXTRA STRONG
21	1	129731	FILTER-LINE, AUTOMATIC DRAIN
22	4	121034-2	TEE-PIPE, 1/4 NPT, BRASS
23	1	120496-5	VALVE-SOLENOID, 3-WAY
24	10.0 FT	140333	TUBE-FORMED, 1/4 O.D
25	10.5 FT	124435-004	TUBING-NYLON, 3/8 O.D.
26	2	124393-004	FITTING-MALE CONNECTOR, 1/4 TUBE X 1/8 NPT
27	1	127289-005	UNION-PIPE, 3/4 NPT
28	2	124393-012	FITTING-MALE CONNECTOR, 3/8 TUBE X 1/4 NPT
29	1	2719	PLUG-PIPE, 1/4 NPT, HEX SOCKET
30	1	121033-1	BUSHING-PIPE, 1/4 NPT X 1/8 NPT, BRASS
31	1	126345	GAUGE-PRESSURE, LIQUID FILLED (0-200 P.S.I.)
32	1	22455	CONNECTOR-ELECTRICAL, 1/2
33	2	8052	LOCKNUT-CONDUIT, 1/2
34	1	110419-005	FITTING-ELBOW, 90° MALE, 1/4 TUBE X 1/4 NPT
35	1	123506-02	SEAL-LIQUIDTITE, 1/2
36	1	22454-1	SWITCH-PRESSURE
37	0.5 FT	140326-04	TUBING-FUEL
38	1	124349-009	FITTING-ELBOW, 3/8 TUBE X 1/8 NPT
39	2	5529	FILTER-LINE
40	1	23543-001	REGULATOR-PRESSURE
41	1	122636	ELBOW-PIPE, 1/4 NPT, BRASS
42	1	140718	GAUGE-PRESSURE

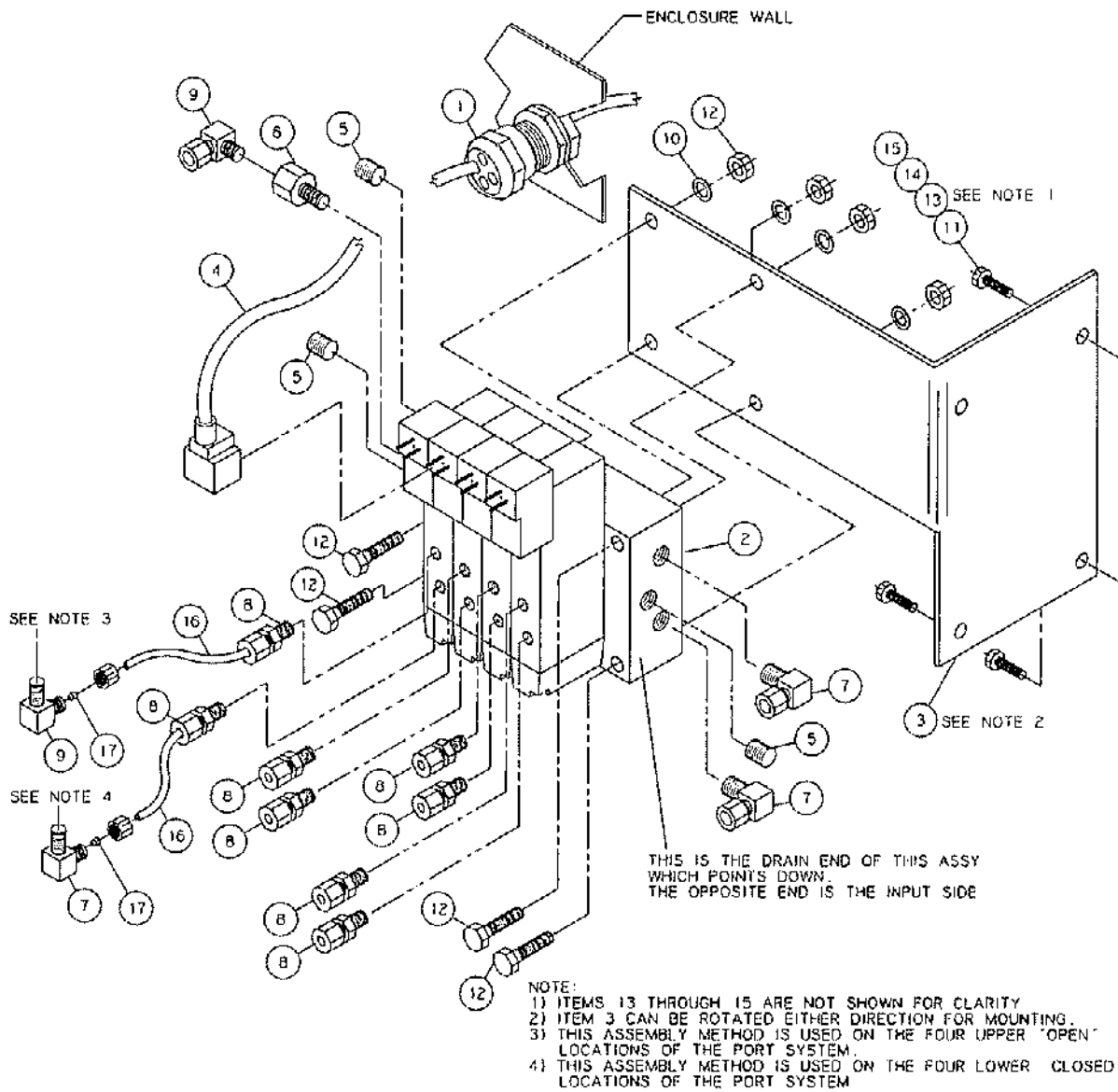
COMPONENT MAINTENANCE PARTS

A	1	20775	KIT-DIFFERENTIAL PILOT VALVE <i>(includes diaphragm, gasket, seat gasket, seat disk, seat ring)</i>
B	1	129731-050	KIT-LINE FILTER <i>(includes bowl seal, filter element, gasket)</i>
C	2	129545-050	KIT-FLOW GAUGE <i>(includes sight glass, viton seals)</i>

@ indicates torque value in foot pounds *(lubricated threads)*

SOLENOID VALVE GROUP

142153-01

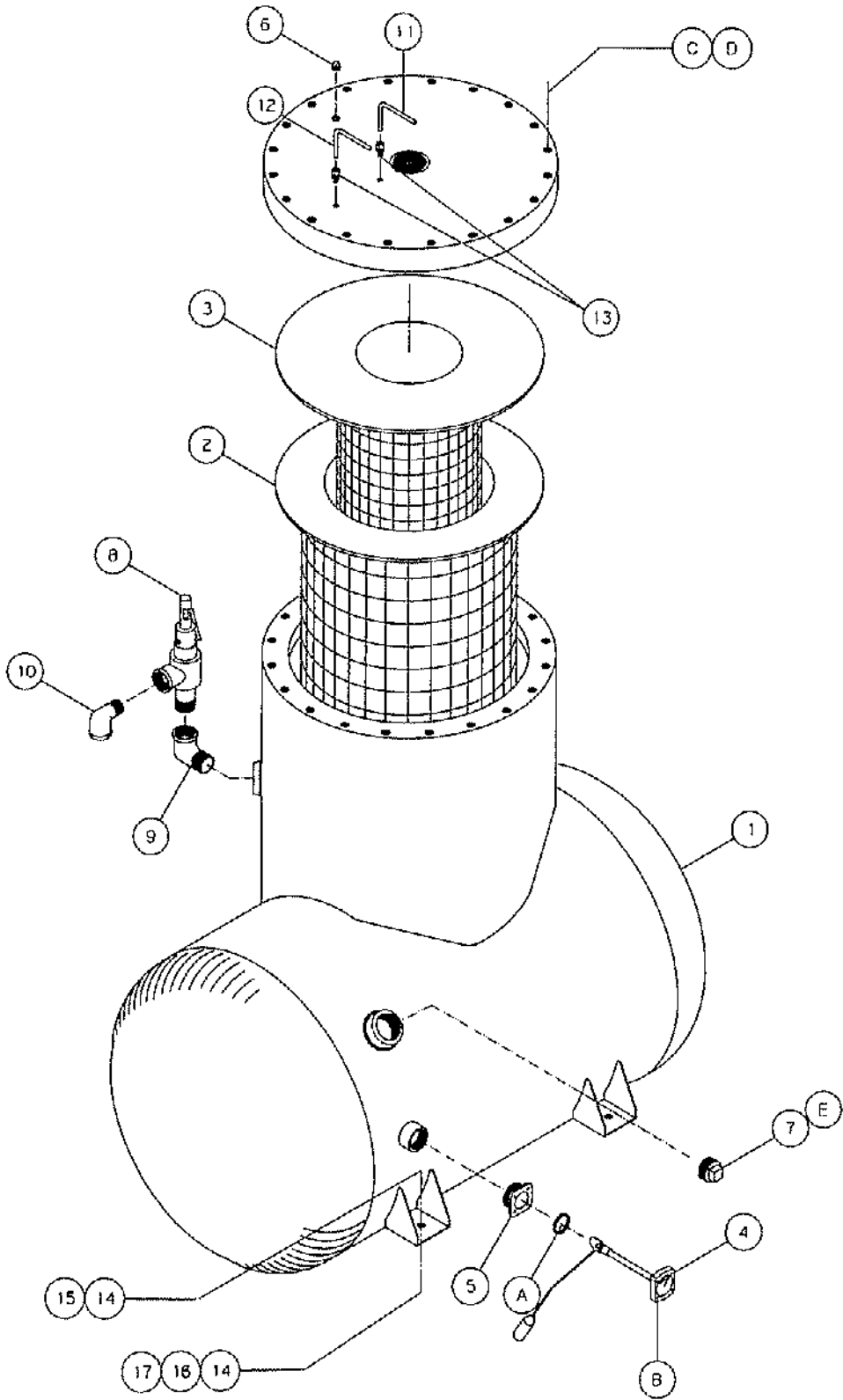


SOLENOID VALVE GROUP
142153-01

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	142096-01	STRAIN RELIEF
2	1	142094	VALVE-SOLENOID BANK
3	1	142139	BRACKET, SOLENOID BANK
4	1	142095-01	ASSY-CABLE, 3 METER
5	3	2719	PLUG-PIPE, 1/4 NPT, HEX SOCKET
6	1	121033-1	BUSHING-PIPE, 1/4 NPT X 1/8 NPT, BRASS
7	2	124349-005	FITTING-ELBOW, 90° MALE, 1/4 TUBE X 1/4 NPT
8	8	124393-004	FITTING-MALE CONNECTOR, 1/4 TUBE X 1/8 NPT
9	1	124349-004	FITTING-ELBOW, 90° MALE, 1/4 TUBE X 1/8 NPT
10	12	124370-J02	LOCKNUT, 1/4-20 UNC
11	8	123478-J10	SCREW-HEX, 1/4-20 UNC X 0.74, GRADE 5 (@ 6 FT.-LBS.)
12	4	90386-J17	SCREW-CAP, 1/4-UNC X 2.00
13	4	123478-K12	SCREW-HEX, 5/16-18 UNC X 1.00, GRADE 5 (@ 13 FT.-LBS.)
14	4	123115-05C	LOCKWASHER, 5/16
15	4	124364-K02	NUT-HEX, 5/16-18 UNC
16	20.0 FT	140620-003	TUBING-NYLON, 1/4 O.D.
17	8	5784-2	ORIFICE-PLUG (0.062)

@ indicates torque value in foot pounds. (*lubricated threads*)

RESERVOIR GROUP
140469-001



RESERVOIR GROUP
140469-001

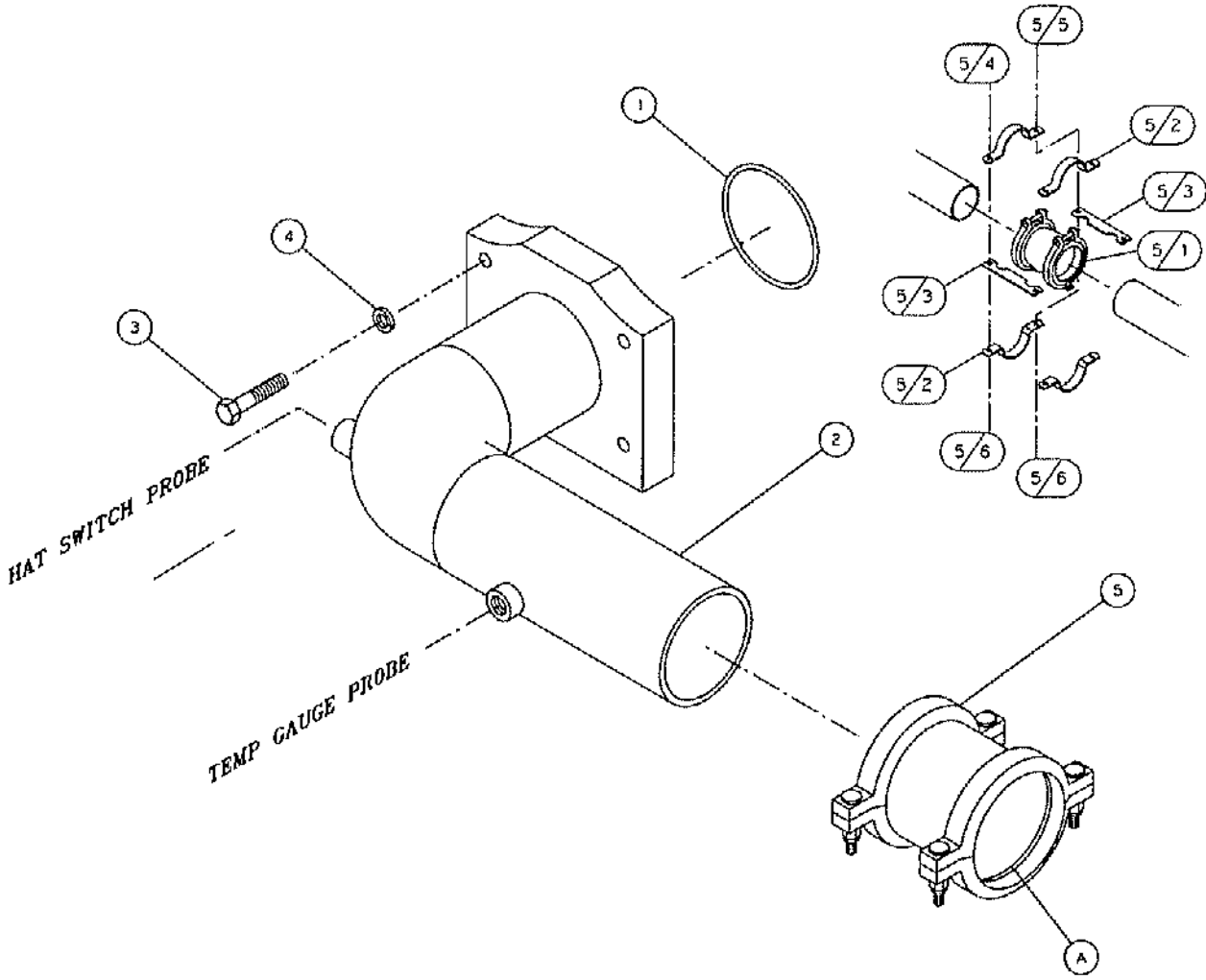
ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	140195-150	RESERVOIR
2	1	22705-7	SEPARATOR
3	1	122117-7	SEPARATOR
4	1	23680-1	GAUGE-FLUID LEVEL
5	1	22335	ADAPTER-FLUID GAUGE
6	2	2058	PLUG-PIPE, 3/4 NPT
7	1	129844-162	CAP-FILLER, SAE O-RING
8	1	23268-5	VALVE-SAFETY
9	1	4462	ELBOW-PIPE, 2.00 NPT
10	1	5223	ELBOW-PIPE, 2-1/2 NPT
11	1	140323-5	TUBE-STEEL, 1/4 O.D.
12	1	140323-6	TUBE-STEEL, 1/4 O.D.
13	2	23312	FITTING-STRAIGHT, 1/4 TUBE X 1/4 NPT
14	8	110428W062	FLATWASHER, 5/8
15	4	123478-Q16	SCREW-HEX, 5/8-11 UNC X 1.75, GRADE 5 (@ 110 FT.-LBS.)
16	4	123115-10C	LOCKWASHER, 5/8
17	4	124371-Q02	NUT-HEX, 5/16-18 UNC

COMPONENT MAINTENANCE PARTS

A	1	120289	SEAL-GAUGE
B	1	121990	DIAL-GAUGE
C	20	123478-R23	SCREW-HEX, 3/4-10 UNC X 3.50, GRADE 5 (@ 200 FT.-LBS.)
D	20	123115-12C	LOCKWASHER, 3/4
E	1	140406-920	O-RING, VITON

@ indicates torque value in foot pounds. (*lubricated threads*)

DISCHARGE PIPING GROUP
140471-001



ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	22749-347	O-RING, VITON
2	1	140376	MANIFOLD-DISCHARGE
3	4	123478-Q18	SCREW-CAP, CS, HEX, PL 0.62 UNC X 2.25, GRADE 5 (@ 110 FT.-LBS.)
4	4	123115-10C	LOCKWASHER, 5/8
5	1	141542-400	ASSEMBLY-COUPLING, FLEX PIPE
5/1	1	140509S400	COUPLING
5/2	2	124450-004	CLAMP, COUPLING
5/3	2	124451-007	BAR,TENSION
5/4	2	123478-Q16	SCREW, CAP, CS, HEX , PL 0.62 NC X 1.75
5/5	2	123478-Q19	SCREW, CAP, CS, HEX , PL 0.62 NC X 2.50
5/6	4	123115-10C	WASHER, HLOK 0.625 CRS, PL (0.156)

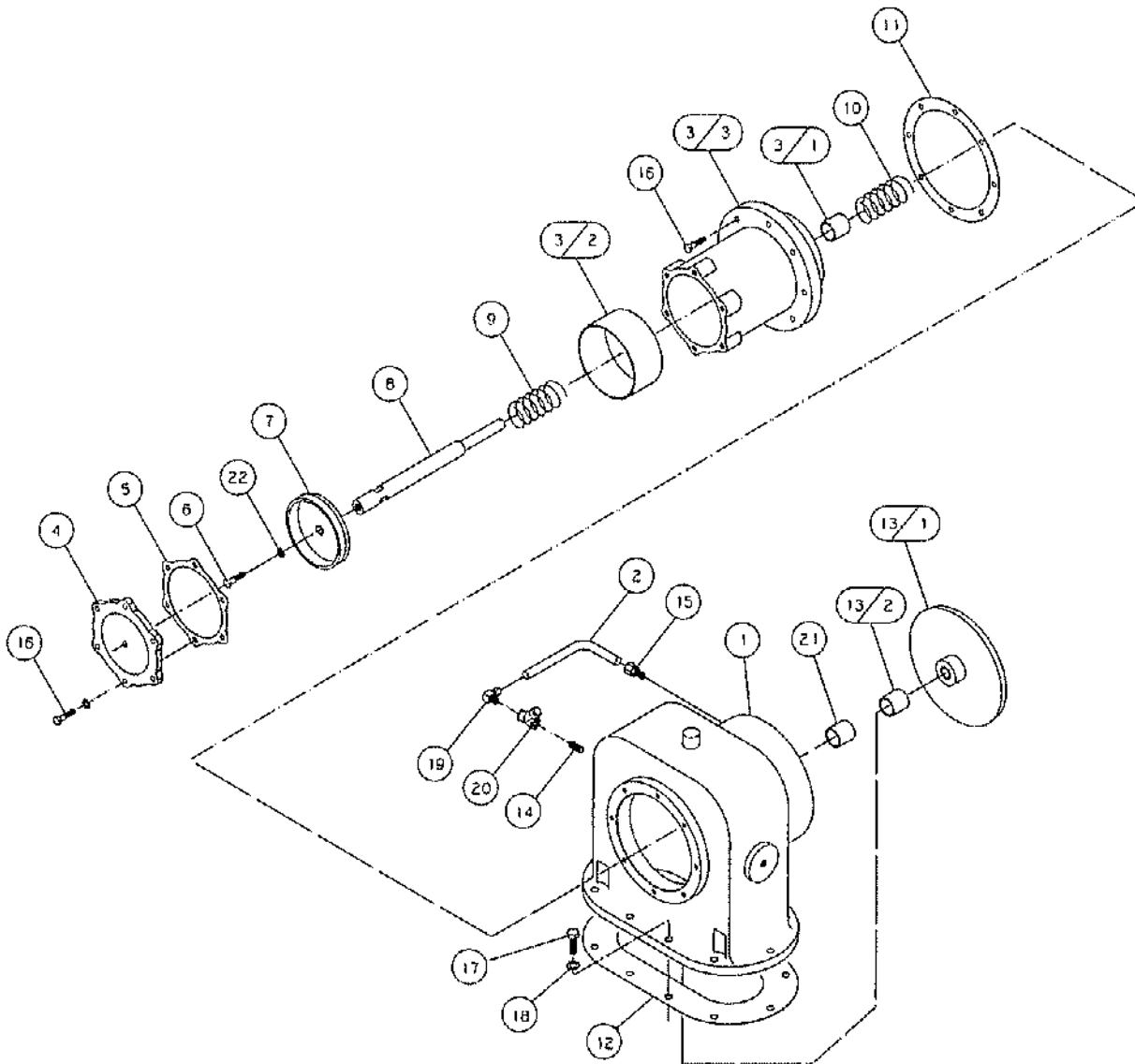
COMPONENT MAINTENANCE PARTS

A	2	140509G400	SEAL-COUPLING, SILICONE
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@ indicates torque value in foot pounds. (*lubricated threads*)

INLET VALVE GROUP

126759-001



NOTE: ITEM 23 IS NOT SHOWN

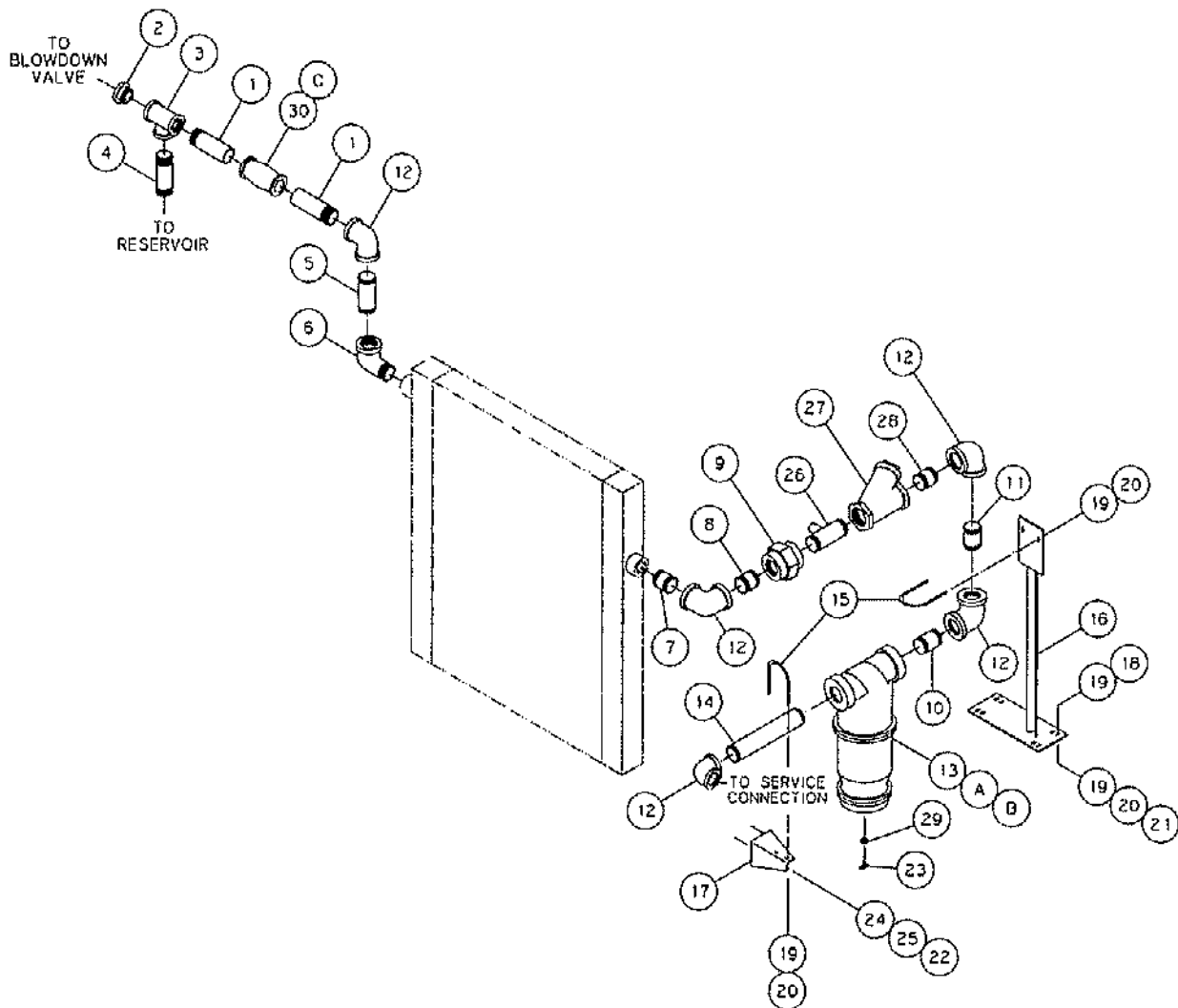
INLET VALVE GROUP
126759-001

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	129522	ASSEMBLY-HOUSING, INLET VALVE
2	1.0 FT	110515-062	TUBE-COPPER, 5/8 O.D.
3	1	126730	ASSEMBLY-CYLINDER, INLET VALVE
3/1	1	126860	BEARING-CYLINDER, INLET VALVE
3/2	1	127916	SLEEVE-CYLINDER, INLET VALVE
3/3	1	126730R	CASTING-CYLINDER, INLET VALVE
4	1	126710	CAP-INLET VALVE CYLINDER
5	1	126732	GASKET-INLET VALVE
6	1	123478-R14	SCREW-HEX, 3/4-10 UNC X 1.25, GRADE 5 (@ 200 FT.-LBS.)
7	1	126460-558	CUP-PISTON
8	1	126731	SHAFT-INLET VALVE
9	1	126719	SPRING-INLET VALVE
10	1	126760	SPRING-INLET VALVE
11	1	126814	GASKET-INLET VALVE
12	1	141917	GASKET-INLET VALVE
13	1	22876-2	ASSEMBLY-INLET VALVE PLATE
13/1	1	22876-1	PLATE-INLET VALVE
13/2	1	27880-1	BUSHING-INLET VALVE
14	1	125935-001	NIPPLE-PIPE, 1/2 NPT X CLOSE
15	1	124393-021	FITTING-MALE CONNECTOR, 5/8 TUBE X 1/2 NPT
16	14	123478-L12	SCREW-HEX, 3/8-16 UNC X 1.00, GRADE 5 (@ 23 FT.-LBS.)
17	10	123478-N15	SCREW-HEX, 1/2-13 UNC X 1.50, GRADE 5 (@ 55 FT.-LBS.)
18	10	123115-08C	LOCKWASHER, 1/2
19	1	124349-018	FITTING-ELBOW, 5/8 TUBE X 1/2 NPT
20	1	123454-005	VALVE-CHECK
21	1	125935-001	NIPPLE-PIPE, 1/2 NPT X CLOSE
22	1 0 FT.	110515-062	TUBE-COPPER, 5/8 O.D.
23	1	20616	WASHER-FLAT, COPPER

@ indicates torque value in foot pounds. (*lubricated threads*)

AIR PIPING GROUP (air-cooled, across the line)

140472-001



AIR PIPING GROUP (air-cooled, across the line)**140472-001**

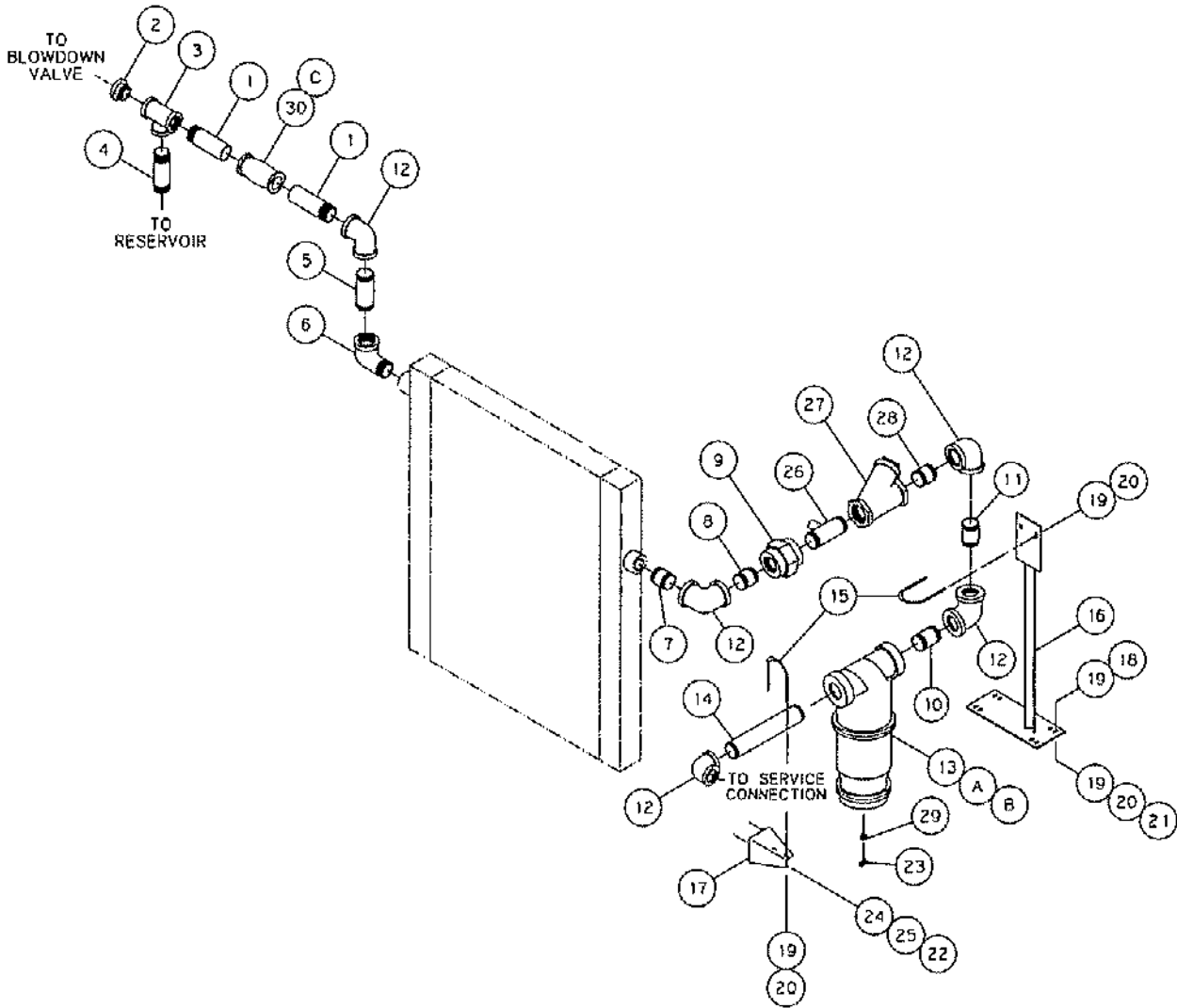
ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	2	126037-073	NIPPLE-PIPE, 2-1/2 NPT X 10.00
2	1	122207	BUSHING-PIPE, 2-1/2 NPT X 3/4 NPT
3	1	23706	TEE-PIPE, 2-1/2 NPT X 2-1/2 NPT X 2-1/2 NPT
4	1	125941-024	NIPPLE-PIPE, 2-1/2 NPT X 3.75
5	1	125941-038	NIPPLE-PIPE, 2-1/2 NPT X 5.50
6	1	5223	ELBOW-PIPE, 2-1/2 NPT
7	1	125941-026	NIPPLE-PIPE, 2-1/2 NPT X 4.00
8	1	125941-001	NIPPLE-PIPE, 2-1/2 NPT X CLOSE
9	1	127289-011	UNION-PIPE, 2-1/2 NPT
10	1	125941-030	NIPPLE-PIPE, 2-1/2 NPT X 4.50
11	1	125941-018	NIPPLE-PIPE, 2-1/2 NPT X 3.00
12	5	5339	ELBOW-PIPE, 2-1/2 NPT
13	1	124827-250	SEPARATOR-MOISTURE
14	1	125941-084	NIPPLE-PIPE, 2-1/2 NPT X 11.25
15	2	122560-05	U-BOLT, 3/8-16 UNC
16	1	140814	PIPE-SUPPORT
17	1	140222-1	BRACKET-SUPPORT
18	4	123478-L14	SCREW-HEX, 3/8-16 UNC X 1.25, GRADE 5 (@ 23 FT.-LBS.)
19	12	110428W038	FLATWASHER, 3/8
20	8	123115-06C	LOCKWASHER, 3/8
21	4	124364-L02	NUT-HEX, 3/8-16 UNC
22	4	123478-K12	SCREW-HEX, 5/16-18 UNC X 1.00, GRADE 5 (@ 13 FT.-LBS.)
23	1	2713	DRAINCOCK-1/4 NPT
24	4	110428W031	FLATWASHER, 5/16
25	4	123115-05C	LOCKWASHER, 5/16
26	1	140305-004	NIPPLE-PIPE, SPECIAL
27	1	125039-003	VALVE-CHECK
28	1	122211-30	ORIFICE-NOZZLE
29	1	3535	BUSHING-PIPE, 3/8 NPT X 1/4 NPT
30	1	124831-002	ASSEMBLY-COUPLING

COMPONENT MAINTENANCE PARTS

A	1	124827-052	KIT-MOISTURE SEPARATOR (<i>includes item B</i>)
B	1	124827-051	GASKET
C	2	121822	SEAL-COUPLING

@ indicates torque value in foot pounds. (*lubricated threads*)

AIR PIPING GROUP (POWER\$YNC)
140472-002 (air-cooled, across the line)



AIR PIPING GROUP (POWER\$YNC)
140472-002 (air-cooled, across the line)

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	2	126037-073	NIPPLE-PIPE, 2-1/2 NPT X 10.00
2	1	122207	BUSHING-PIPE, 2-1/2 NPT X 3/4 NPT
3	1	23706	TEE-PIPE, 2-1/2 NPT X 2-1/2 NPT X 2-1/2 NPT
4	1	125941-024	NIPPLE-PIPE, 2-1/2 NPT X 3.75
5	1	125941-038	NIPPLE-PIPE, 2-1/2 NPT X 5.50
6	1	5223	ELBOW-PIPE, 2-1/2 NPT
7	1	125941-026	NIPPLE-PIPE, 2-1/2 NPT X 4.00
8	1	125941-001	NIPPLE-PIPE, 2-1/2 NPT X CLOSE
9	1	127289-011	UNION-PIPE, 2-1/2 NPT
10	1	125941-030	NIPPLE-PIPE, 2-1/2 NPT X 4.50
11	1	125941-018	NIPPLE-PIPE, 2-1/2 NPT X 3.00
12	5	5339	ELBOW-PIPE, 2-1/2 NPT
13	1	124827-250	SEPARATOR-MOISTURE
14	1	125941-082	NIPPLE-PIPE, 2-1/2 NPT X 11.00
15	2	122560-05	U-BOLT, 3/8-16 UNC
16	1	140814	PIPE-SUPPORT
17	1	140222-2	BRACKET-SUPPORT
18	4	123478-L14	SCREW-HEX, 3/8-16 UNC X 1.25, GRADE 5 (@ 23 FT.-LBS.)
19	12	110428W038	FLATWASHER, 3/8
20	8	123115-06C	LOCKWASHER, 3/8
21	4	124364-L02	NUT-HEX, 3/8-16 UNC
22	4	123478-K12	SCREW-HEX, 5/16-18 UNC X 1.00, GRADE 5 (@ 13 FT.-LBS.)
23	1	2713	DRAINCOCK-1/4 NPT
24	4	110428W031	FLATWASHER, 5/16
25	4	123115-05C	LOCKWASHER, 5/16
26	1	125941-042	NIPPLE-PIPE, 2-1/2 NPT X 6.00
27	1	125039-003	VALVE-CHECK
28	1	122211-30	ORIFICE-NOZZLE
29	1	3535	BUSHING-PIPE, 3/8 NPT X 1/4 NPT
30	1	124831-002	ASSEMBLY-COUPLING

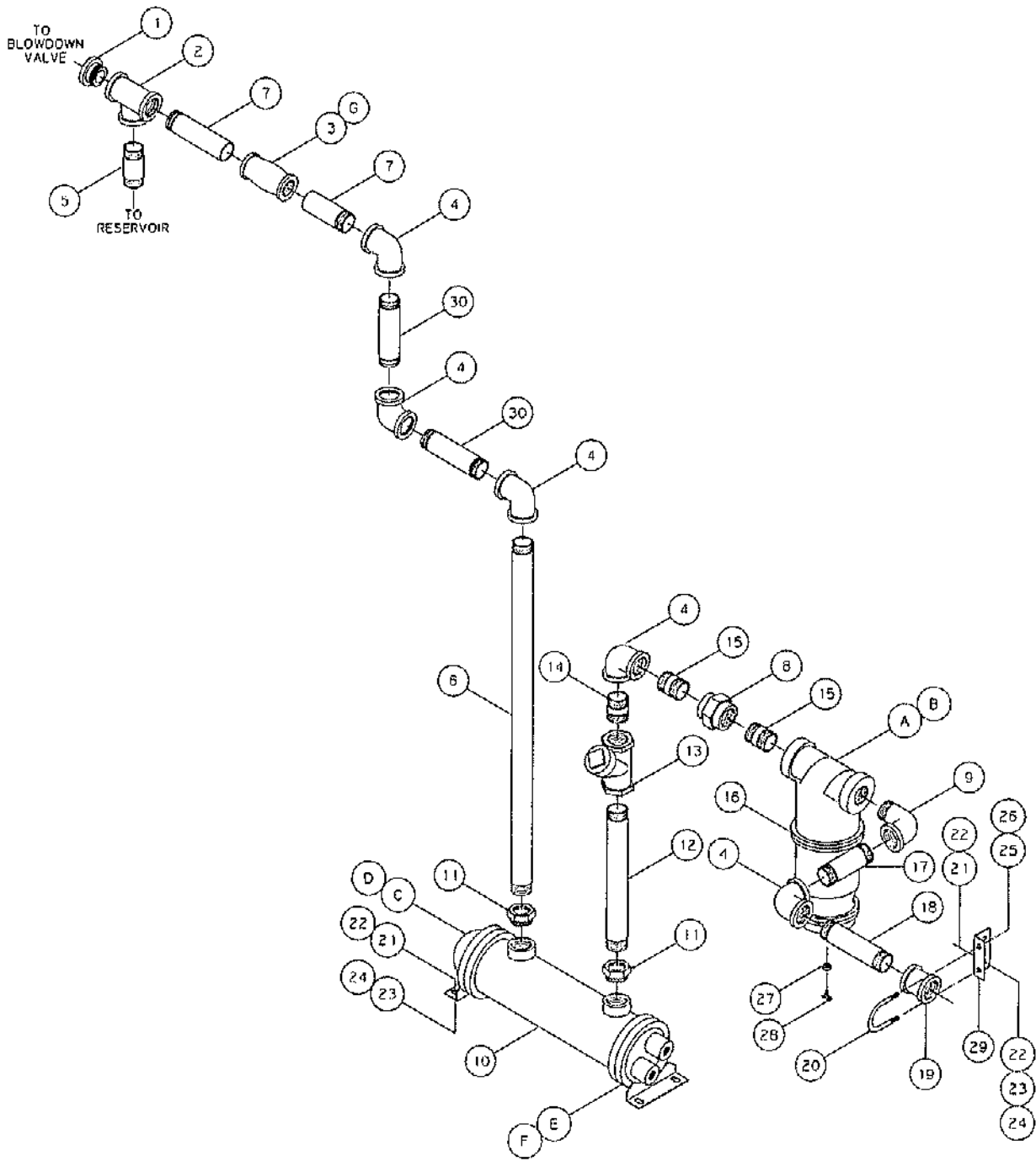
COMPONENT MAINTENANCE PARTS

A	1	124827-052	KIT-MOISTURE SEPARATOR (<i>includes item B</i>)
B	1	124827-051	GASKET
C	2	121822	SEAL-COUPLING

@ indicates torque value in foot pounds. (*lubricated threads*)

AIR PIPING GROUP (water-cooled, across the line)

140474-001



AIR PIPING GROUP *(water-cooled, across the line)*

140474-001

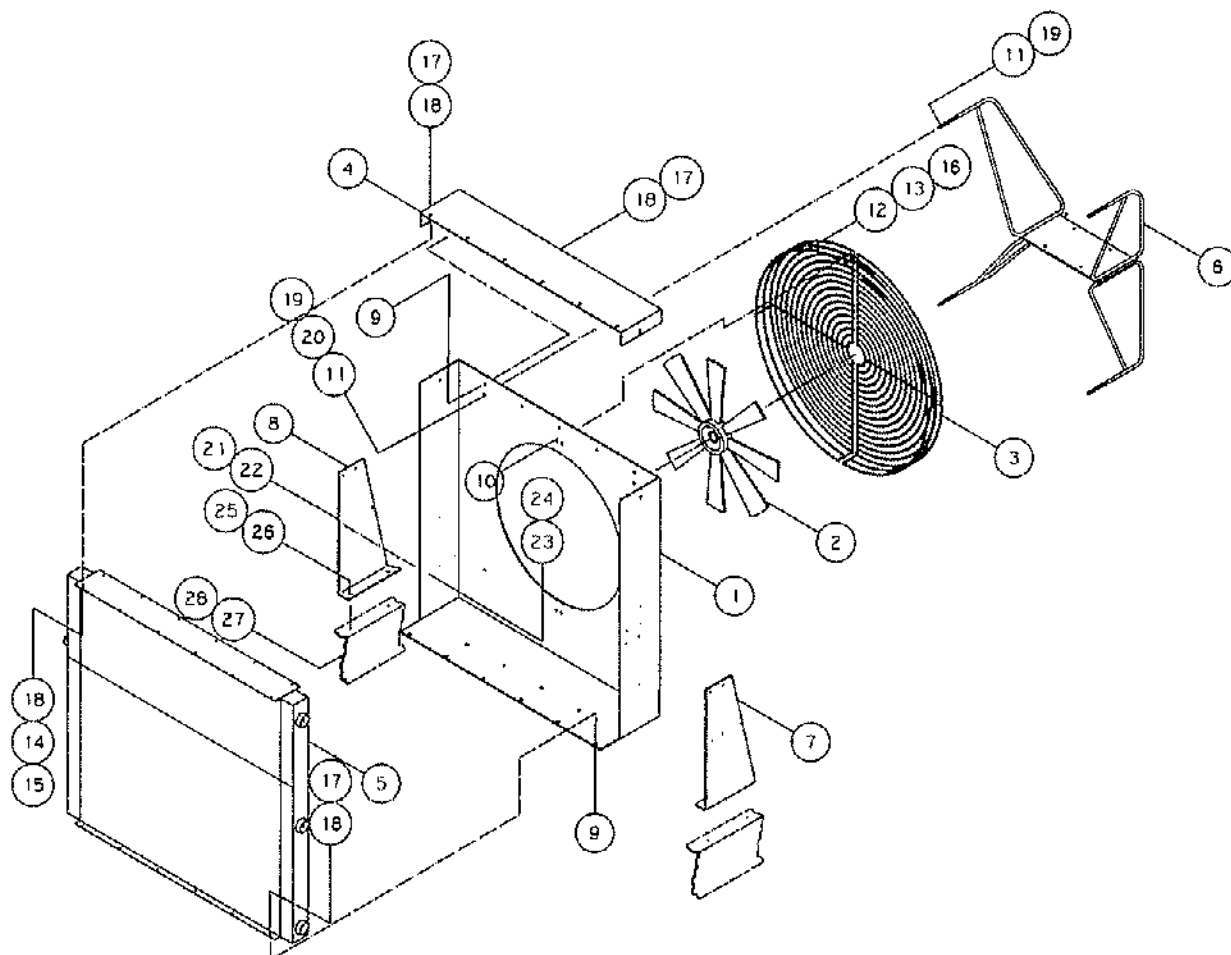
ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	122207	BUSHING-PIPE, 2-1/2 NPT X 3/4 NPT
2	1	23706	TEE-PIPE, 2-1/2 NPT X 2-1/2 NPT X 2-1/2 NPT
3	1	23278	COUPLING-FLEXIBLE
4	5	5339	ELBOW-PIPE, 2-1/2 NPT
5	1	125941-030	NIPPLE-PIPE, 2-1/2 NPT X 4.50
6	1	125941-206	NIPPLE-PIPE, 2-1/2 NPT X 26.50
7	2	126037-057	NIPPLE-PIPE, 2-1/2 NPT X 8
8	1	127289-011	UNION-PIPE, 2-1/2 NPT
9	1	5223	ELBOW-PIPE, 2-1/2 NPT
10	1	22709-20	HEAT EXCHANGER-AFTERCOOLER
11	2	120585	BUSHING-PIPE, 3.00 NPT X 2-1/2 NPT
12	1	125941-066	NIPPLE-PIPE, 2-1/2 NPT X 9.00
13	1	123454-009	VALVE-CHECK
14	1	122211-30	ORIFICE-NOZZLE
15	2	125941-001	NIPPLE-PIPE, 2-1/2 NPT X CLOSE
16	1	124827-250	SEPARATOR-MOISTURE
17	1	125941-030	NIPPLE-PIPE, 2-1/2 NPT X 4.50
18	1	125941-158	NIPPLE-PIPE, 2-1/2 NPT X 20.50
19	1	23810	COUPLING-PIPE, 2-1/2 NPT
20	1	7543	U-BOLT, 3/8-10 UNC
21	6	123478-K12	SCREW-HEX, 5/16-18 UNC X 1.00, GRADE 5 (@ 13 FT.-LBS)
22	8	110428W031	FLATWASHER, 5/16
23	6	123115-05C	LOCKWASHER, 5/16
24	6	124364-K02	NUT-HEX, 5/16-18 UNC
25	2	123115-06C	LOCKWASHER, 3/8
26	2	110428N038	FLATWASHER, 3/8
27	1	3535	BUSHING-PIPE, 3/8 NPT X 1/4 NPT
28	1	2713	DRAINCOCK-1/4 NPT
29	1	140133	BRACKET-SUPPORT
30	2	125941-118	NIPPLE-PIPE, 2-1/2 NPT X 15.50

COMPONENT MAINTENANCE PARTS

A	1	124827-052	KIT-MOISTURE SEPARATOR <i>(includes item B)</i>
B	1	124827-051	GASKET
C	1	22708-926	BONNET RETURN
D	1	22708-928	GASKET RETURN
E	1	22709-925	BONNET IN/OUT
F	1	22708-927	GASKET IN/OUT
G	2	121822	SEAL-COUPLING

Ⓢ indicates torque value in foot pounds *(lubricated threads)*

COOLER GROUP (air-cooled)
140479-001

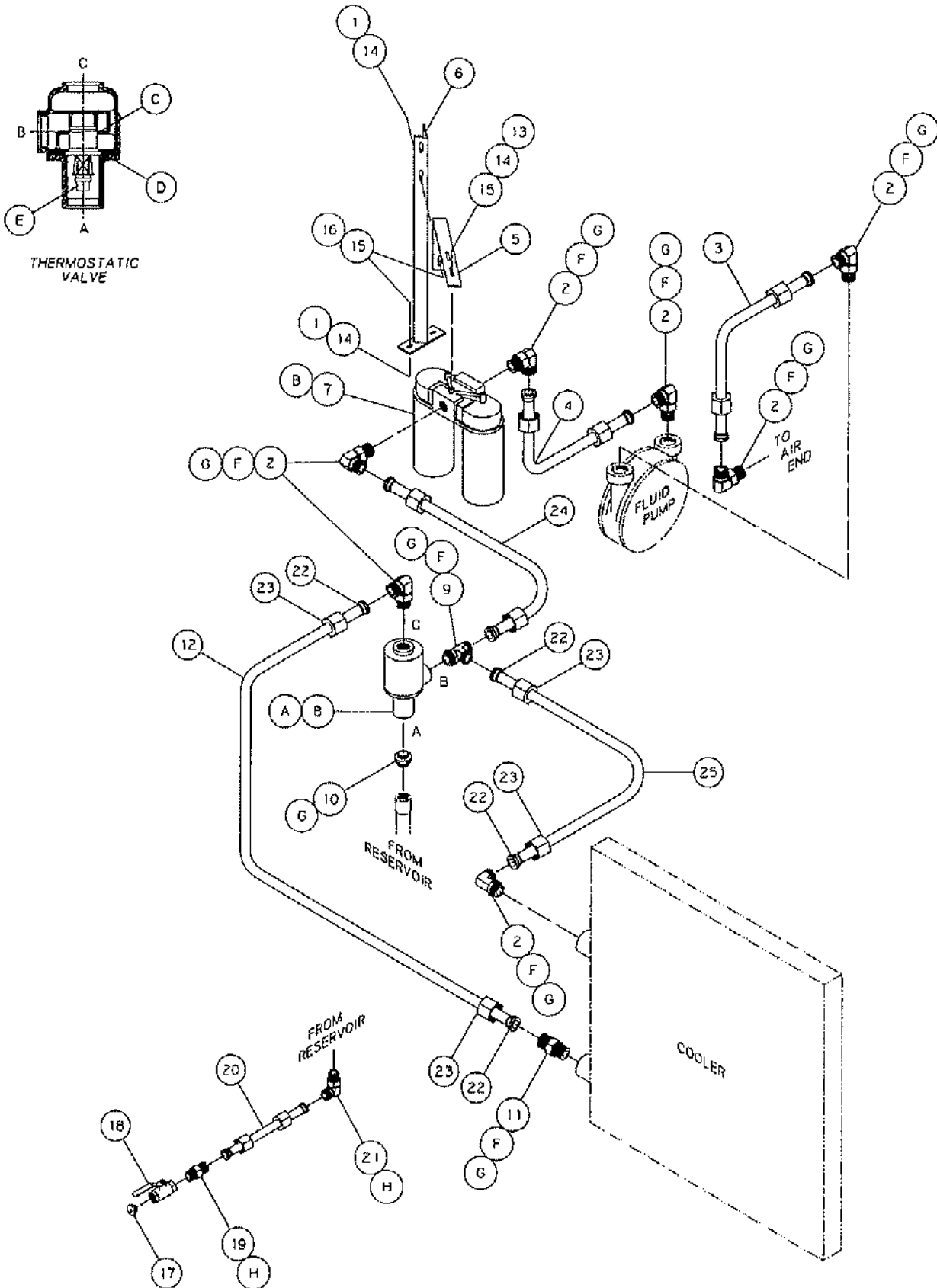


COOLER GROUP (air-cooled)
140479-001

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	140481	SHROUD-FAN
2	1	126511-002	FAN
3	2	120643	GUARD-FAN
4	1	140539	CAP-SHROUD FRAME
5	1	140480	COOLER-COMBINATION AIR/FLUID
6	1	126548	BRACKET-FAN MOTOR
7	1	140094-2	BRACKET-COOLER
8	1	140094-1	BRACKET-COOLER
9	17	120686	NUT-SPEED, 5/16-18 UNC
10	10	123918-001	NUT-SPEED, 1/4-20 UNC
11	8	110428W062	FLATWASHER, 5/8
12	10	123478-J12	SCREW-HEX, 1/4-20 UNC X 1.00, GRADE 5 (@ 6 FT.-LBS.)
13	10	110428W025	FLATWASHER, 1/4
14	6	123115-05C	LOCKWASHER, 5/16
15	6	124364-K02	NUT-HEX, 5/16-18 UNC
16	10	123115-04C	LOCKWASHER, 1/4
17	23	123478-K12	SCREW-HEX, 5/16-18 UNC X 1.00, GRADE 5 (@ 13 FT.-LBS.)
18	29	110428W031	FLATWASHER, 5/16
19	8	124364-Q02	NUT-HEX, 5/8-11 UNC
20	4	123114-10C	LOCKWASHER, 5/8
21	10	123478-L10	SCREW-HEX, 3/8-16 UNC X 0.75, GRADE 5 (@ 23 FT.-LBS.)
22	10	110428W038	FLATWASHER, 3/8
23	10	123115-06C	LOCKWASHER, 3/8
24	10	124364-L02	NUT-HEX, 3/8-16 UNC
25	4	123478-N14	SCREW-HEX, 1/2-13 UNC X 1.25, GRADE 5 (@ 55 FT.-LBS.)
26	4	110428W050	FLATWASHER, 1/2
27	4	123115-08C	LOCKWASHER, 1/2
28	4	124364-N02	NUT-HEX, 1/2-13 UNC

@ indicates torque value in foot pounds. (lubricated threads)

FLUID PIPING GROUP (air-cooled)
140777-001



FLUID PIPING GROUP (air-cooled)
140777-001

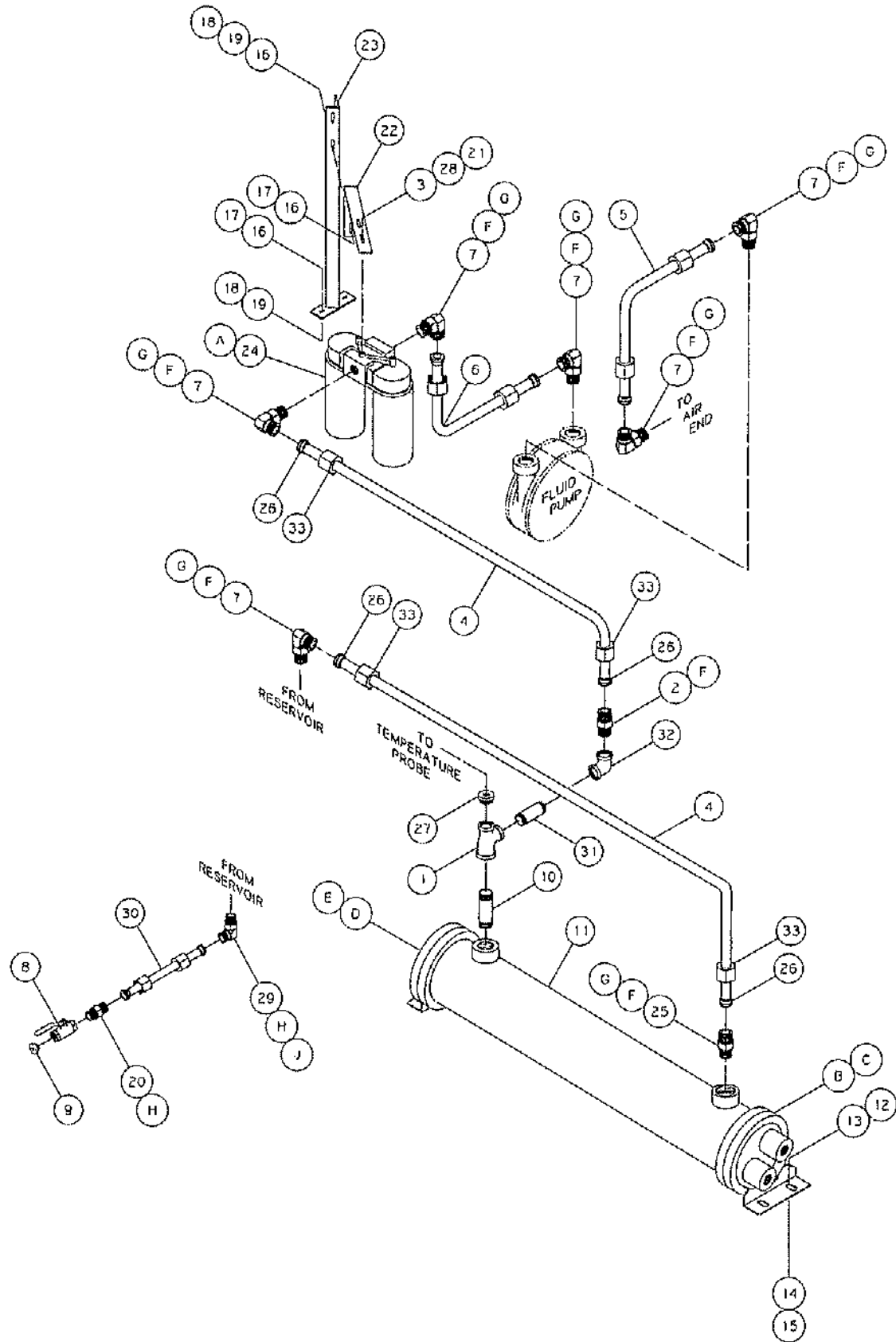
ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	4	124364-L02	NUT-HEX, 3/8-16 UNC
2	7	140676-024	FITTING-ELBOW, 1-1/2 TUBE X 1-7/8-12 , SAE O-RING
3	1	140719-020	ASSEMBLY-TUBE, FLANGED, 1-1/2 O.D.
4	1	140719-021	ASSEMBLY-TUBE, FLANGED, 1-1/2 O.D.
5	1	127609	SUPPORT-FLUID FILTER
6	1	127608-2	SUPPORT-FLUID FILTER
7	1	128384-5	HEAD-FILTER, FLUID
8	1	20344-004	VALVE-THERMAL, 180° F
9	1	140673-008	FITTING-TEE, 1-1/2 TUBE X 1-7/8-12 , SAE O-RING
10	1	128884-188	FITTING-UNION, 1-7/8-12 , SAE O-RING
11	1	140682-026	FITTING-UNION, 1-1/2 TUBE X 1-7/8-12 , SAE O-RING
13	2	123478-L11	SCREW-HEX, 3/8-16 UNC X 0.88, GRADE 5 (@ 23 FT.-LBS.)
14	6	123115-06C	LOCKWASHER, 3/8
15	6	110428W038	FLATWASHER, 3/8
16	4	123478-L14	SCREW-HEX, 3/8-16 UNC X 1.25, GRADE 5 (@ 23 FT.-LBS.)
17	1	9414	PLUG-PIPE, 1.00 NPT
18	1	110425-100	VALVE-QUARTER TURN
19	1	140681-015	FITTING-UNION, 1 TUBE X 1 NPTF
20	1	141012-007	ASSEMBLY-TUBE, 8.50, O.D. 1.00, WT 0.085
21	1	140676-018	FITTING-ELBOW, 1.00 TUBE X 1-5/16-12, SAE O-RING
22	4	140680-008	FITTING-SLEEVE, 1-1/2 O.D. TUBE
23	4	140679-009	FITTING-NUT, 1-1/2 O.D. TUBE
24	1	140719-016	ASSEMBLY-TUBE, FLANGED, 1-1/2 O.D.
25	1	121918-135	TUBE-FORMED, 1.50 O.D.

COMPONENT MAINTENANCE PARTS

A	1	22331-828	KIT-THERMOSTATIC VALVE (<i>includes items C, D, & E</i>)
B	2	128382-050	ELEMENT-FLUID FILTER
C	1	20344-826	ELEMENT-SEAL
D	1	20344-827	GASKET, O-RING
E	1	20344-825	O-RING, ELEMENT SEAL
F	10	140675-008	O-RING, FACE SEAL
G	10	140406-924	O-RING, VITON
H	2	140675-006	O-RING, FACE SEAL
J	1	140406-916	O-RING, VITON

@ indicates torque value in foot pounds. (*lubricated threads*)

FLUID PIPING GROUP (water-cooled)
140778-001



FLUID PIPING GROUP (water-cooled)
140778-001

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	23283	TEE-PIPE, 2.00 NPT X 1-1/2 NPT X 1-1/2 NPT
2	1	140681-018	FITTING-UNION, 1-1/2 TUBE X 1-1/2 NPTF
3	2	110428W044	FLATWASHER, 7/16
4	2	121918-136	TUBE-FORMED, 1.50 O.D.
5	1	140719-020	ASSEMBLY-TUBE, FLANGED, 1-1/2 O.D.
6	1	140719-023	ASSEMBLY-TUBE, FLANGED, 1-1/2 O.D.
7	6	140676-024	FITTING-ELBOW, 1-1/2 TUBE X 1-7/8-12, SAE O-RING
8	1	110425-100	VALVE-QUARTER TURN
9	1	9414	PLUG-PIPE, 1.00 NPT
10	1	125940-034	NIPPLE-PIPE, 2.00 NPT X 5.00
11	1	22708-19	HEAT EXCHANGER-FLUID COOLER
12	4	123478-K14	SCREW-HEX, 5/16-18 UNC X 1.25, GRADE 5 (@ 13 FT.-LBS)
13	4	110428W031	FLATWASHER, 5/16
14	4	123115-05C	LOCKWASHER, 5/16
15	4	124364-K02	NUT-HEX, 5/16-18 UNC
16	6	110428W038	FLATWASHER, 3/8
17	4	123478-L14	SCREW-HEX, 3/8-16 UNC X 1.25, GRADE 5 (@ 23 FT.-LBS.)
18	4	124364-L02	NUT-HEX, 3/8-16 UNC
19	4	123115-06C	LOCKWASHER, 3/8
20	1	140681-015	FITTING-UNION, 1 TUBE X 1 NPTF
21	2	123478-M12	SCREW-HEX, 7/16-14 UNC X 1.00, GRADE 5 (@ 35 FT.-LBS.)
22	1	127609	SUPPORT-FLUID FILTER
23	1	127608-1	SUPPORT-FLUID FILTER
24	1	128384-5	HEAD-FILTER, FLUID
25	1	140682-026	FITTING-UNION, 1-1/2 TUBE X 1-7/8-12, SAE O-RING
26	4	140680-008	FITTING-SLEEVE, 1-1/2 O.D. TUBE
27	1	3797	BUSHING-PIPE, 1-1/2 NPT X 1/2 NPT
28	2	123115-07C	LOCKWASHER, 7/16
29	1	140676-018	FITTING-ELBOW, 1.00 TUBE X 1-5/16-12, SAE O-RING
30	1	141012-007	TUBE ASSEMBLY, 8.50, O.D. 1.00, WT 0.065
31	1	125939-026	NIPPLE, SCH 40, BLK, 150 X 4.00
32	1	4718	ELBOW-PIPE, 1-1/2 NPT
33	4	140679-009	FITTING-NUT, 1-1/2 O.D. TUBE

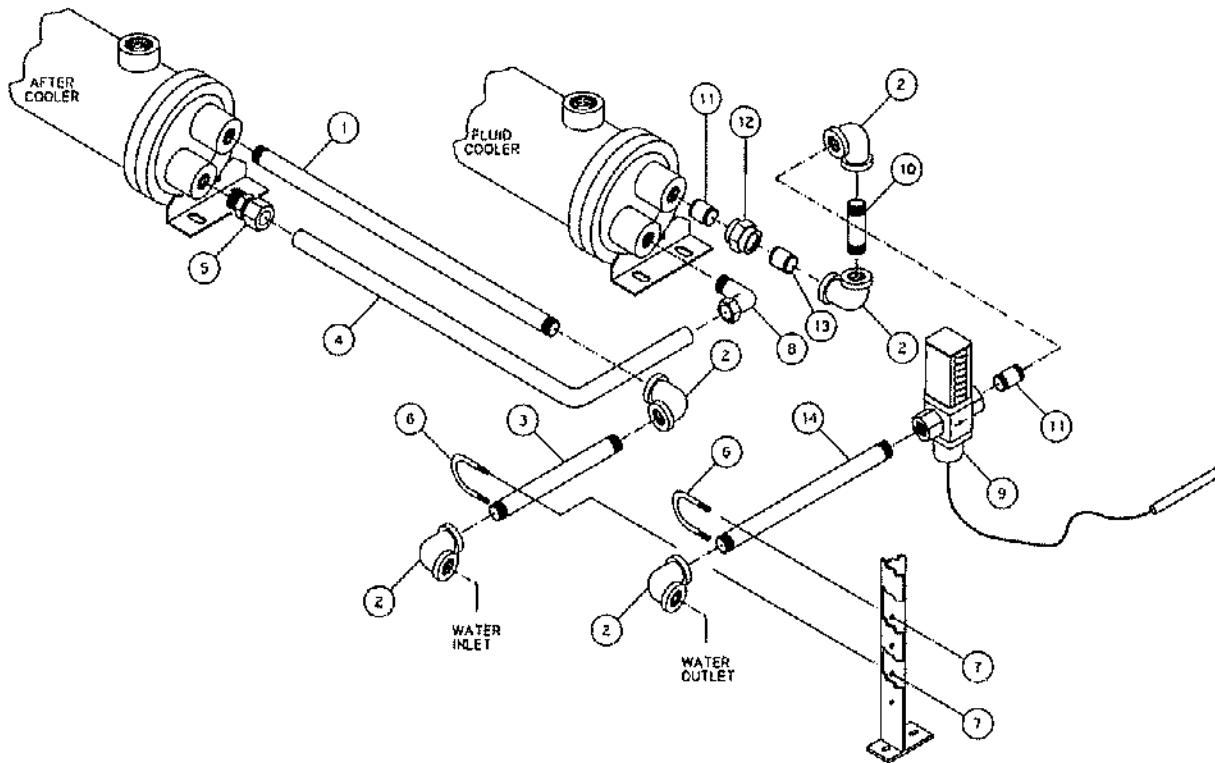
COMPONENT MAINTENANCE PARTS

A	1	128382-050	ELEMENT-FLUID FILTER
B	1	22708-828	GASKET-COOLER, RETURN END
C	1	22708-826	BONNET-COOLER, RETURN END
D	1	22708-827	GASKET-COOLER, IN/OUT END
E	1	22708-825	BONNET-COOLER, IN/OUT END
F	8	140675-008	O-RING, VITON
G	7	140406-924	O-RING, FACE SEAL
H	2	140406-006	O-RING, FACE SEAL
J	1	140675-916	O-RING, VITON

@ indicates torque value in foot pounds. (lubricated threads)

WATER PIPING GROUP (with aftercooler)

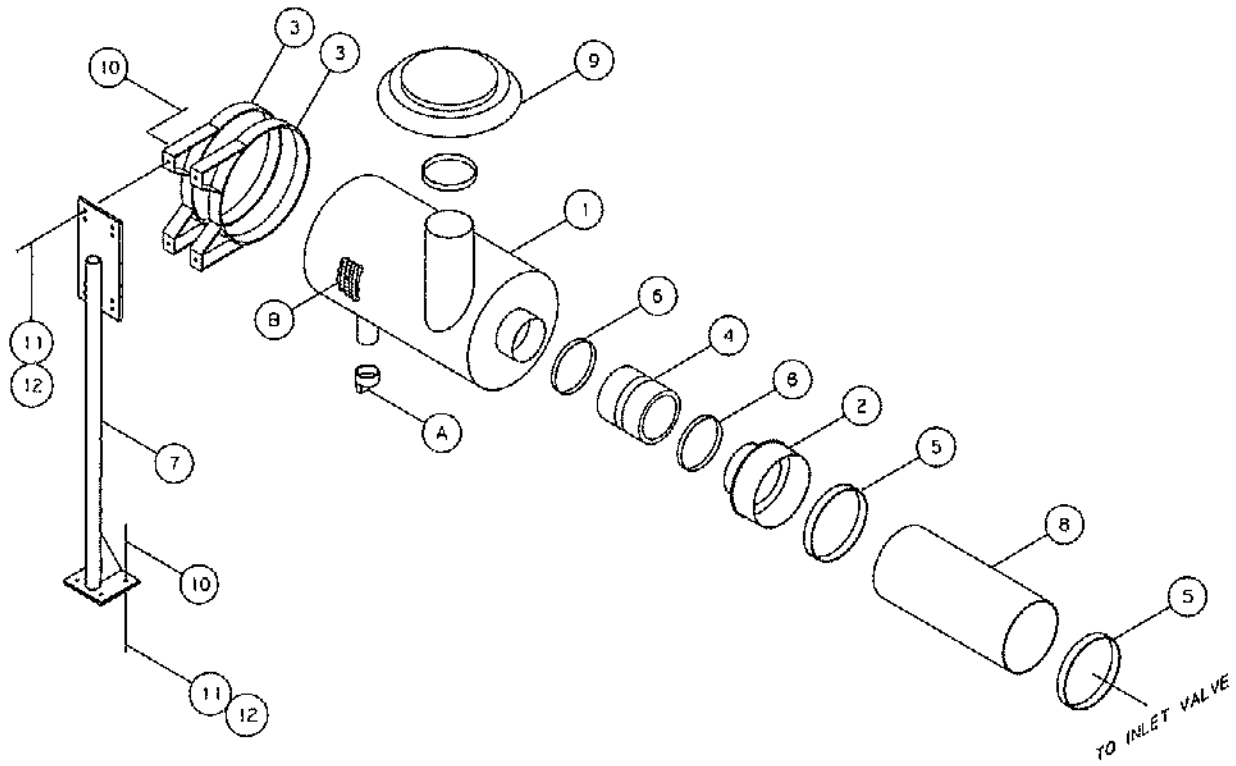
140478-001



ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	1	126021-246	NIPPLE-PIPE, 1-1/4 NPT X 31.50
2	5	23881	ELBOW-PIPE, 1-1/4 NPT
3	1	126021-054	NIPPLE-PIPE, 1-1/4 NPT X 7.50
4	1	121918-110	TUBE-FORMED, 1-1/2 O.D.
5	1	23225	FITTING-MALE CONNECTOR, 1-1/4 TUBE X 1-1/4 NPT
6	2	122560-01	U-BOLT, 1/4-20 UNC
7	4	123115-04C	LOCKWASHER, 1/4
8	1	110419-022	FITTING-ELBOW, 90° MALE, 1-1/4 TUBE X 1-1/4 NPT
9	1	23219-2	VALVE-WATER REGULATING
10	1	126021-034	NIPPLE-PIPE, 1-1/4 NPT X 5.00
11	2	126021-001	NIPPLE-PIPE, 1-1/4 NPT X CLOSE
12	1	127289-020	UNION-PIPE, 1-1/4 NPT
13	1	126021-018	NIPPLE-PIPE, 1-1/4 NPT X 3.00
14	1	126021-086	NIPPLE-PIPE, 1-1/4 NPT X 11.50

@ indicates torque value in foot pounds. (lubricated threads)

AIR FILTER GROUP



ITEM NUMBER	QTY.	PART NUMBER	PART NUMBER	DESCRIPTION
		142264-001 WITH CABINET	140578-001 LESS CABINET	
1	1	22864-9	←	FILTER-AIR
2	1	120648	←	ADAPTER
3	2	120002	←	BAND-AIR FILTER MOUNTING
4	1	20682	←	ADAPTER-ELBOW, AIR FILTER
5	2	110423-160	←	CLAMP-HOSE
6	2	110423-112	←	CLAMP-HOSE
7	1	140579	←	SUPPORT-AIR FILTER
8	2	23308-24	←	HOSE-AIR, FLEXIBLE
9	1	N/A	20680	HOOD-AIR INLET
10	8	123478-L12	←	SCREW-HEX, 3/8-16 UNC X 1 00, GRADE 5 (@ 23 FT.-LBS.)
11	8	124364-L02	←	NUT-HEX, 3/8-16 UNC
12	8	123115-06C	←	LOCKWASHER, 3/8

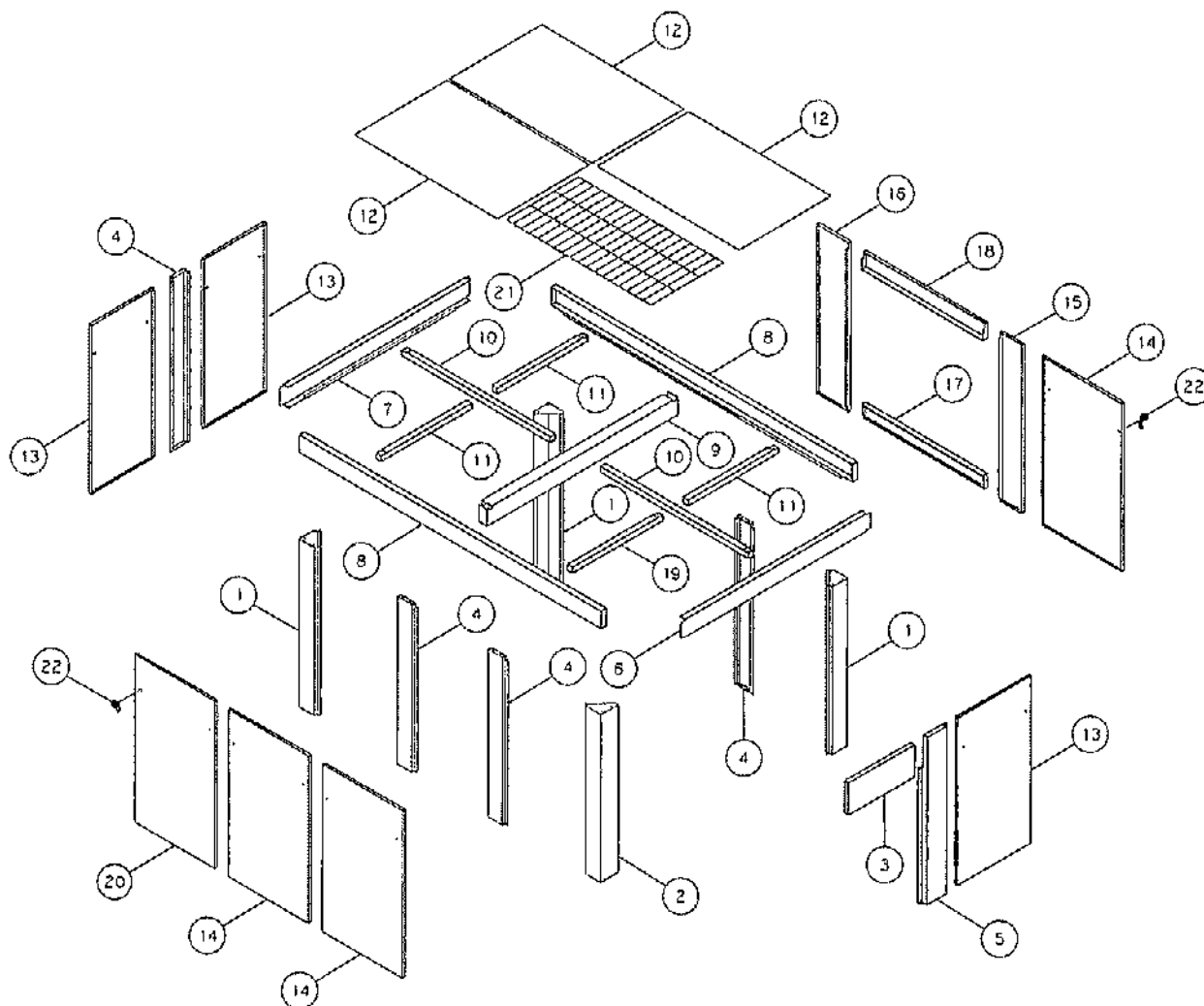
COMPONENT MAINTENANCE PARTS

A	1	121291	←	COVER-DUST
B	1	23458-5	←	ELEMENT-AIR FILTER

@ indicates torque value in foot pounds. (lubricated threads)

CABINET GROUP (air-cooled, standard)

140361-001



NOTE: ITEMS 23 THRU 30 ARE NOT SHOWN

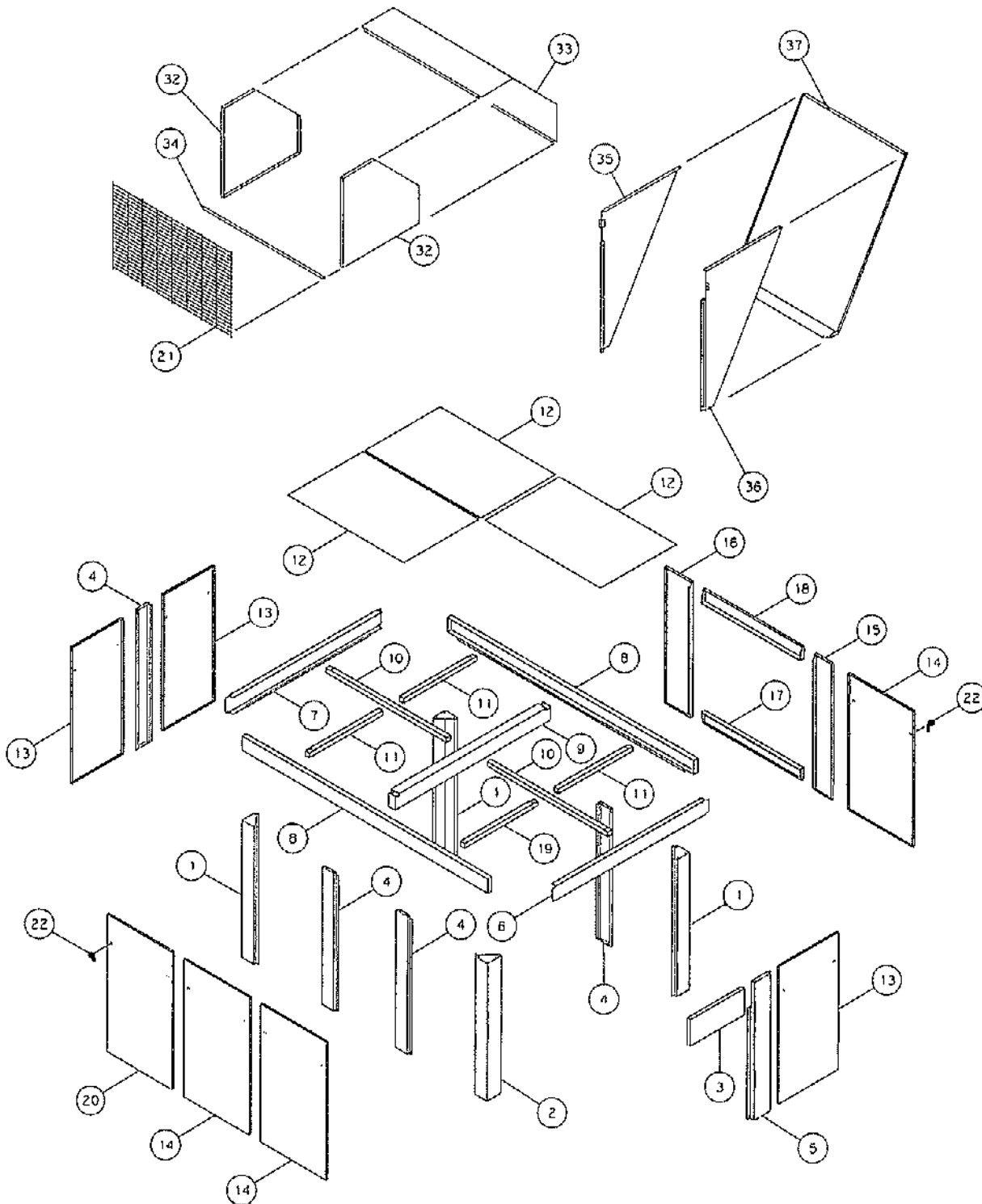
CABINET GROUP (air-cooled, standard)
140361-001

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	3	140482-10	PANEL-CORNER POST
2	1	140482-11	PANEL-CORNER POST
3	1	140482-12	PANEL-FILLER
4	4	140482-13	PANEL-DOOR POST
5	1	140482-14	PANEL-ENCLOSURE POST
6	1	140482-15	PANEL-ROOF SUPPORT
7	1	140482-16	PANEL-ROOF SUPPORT
8	2	140482-17	PANEL-ROOF SUPPORT
9	1	140482-18	PANEL-MIDDLE SUPPORT
10	2	140482-19	PANEL-SUPPORT
11	3	140482-20	PANEL-SUPPORT POST
12	3	140482-21	PANEL-ROOF
13	3	140482-23	PANEL-END DOOR
14	3	140482-24	PANEL-DOOR
15	1	140482-25	PANEL-COOLER
16	1	140482-26	PANEL-COOLER
17	1	140482-27	PANEL-COOLER
18	1	140482-28	PANEL-COOLER
19	1	140482-20	PANEL-SUPPORT POST
20	1	140482-24	PANEL-DOOR
21	1	140630	SCREEN-CABINET
22	18	127623	LATCH-DOOR, QUARTER TURN
23	92	123918-003Z	NUT-HEX, 0.31, NC SAE, 2 ZINC
24	17	142650-K12	SCREW-CAP, 5/16-18 UNC X 1.00, GRADE 5 (@ 23 FT.-LBS.)
25	95	110428W025	FLATWASHER, 1/4
26	95	123115-05Z	LOCKWASHER, 5/16
27	95	142578-K12	SCREW-CAP, 5/16-18 UNC X 1.00, GRADE 5 (@ 23 FT.-LBS.)
28	72	140061	SCREW-HEX, 5/16-18 UNC X 0.75, GRADE 5 (@ 13 FT.-LBS.)
29	10	125284-003	PLUG-NYLON
30	92	7612	NUT-HEX, 5/16-18 UNC, ZINC

@ indicates torque value in foot pounds (lubricated threads)

CABINET GROUP (air-cooled, low sound)

140363-001



NOTES-UNLESS OTHERWISE SPECIFIED:
1) ITEMS 23 THRU 30 ARE NOT SHOWN
2) ITEMS 38 THRU 41 ARE NOT SHOWN
3) ITEM 31 IS NOT USED

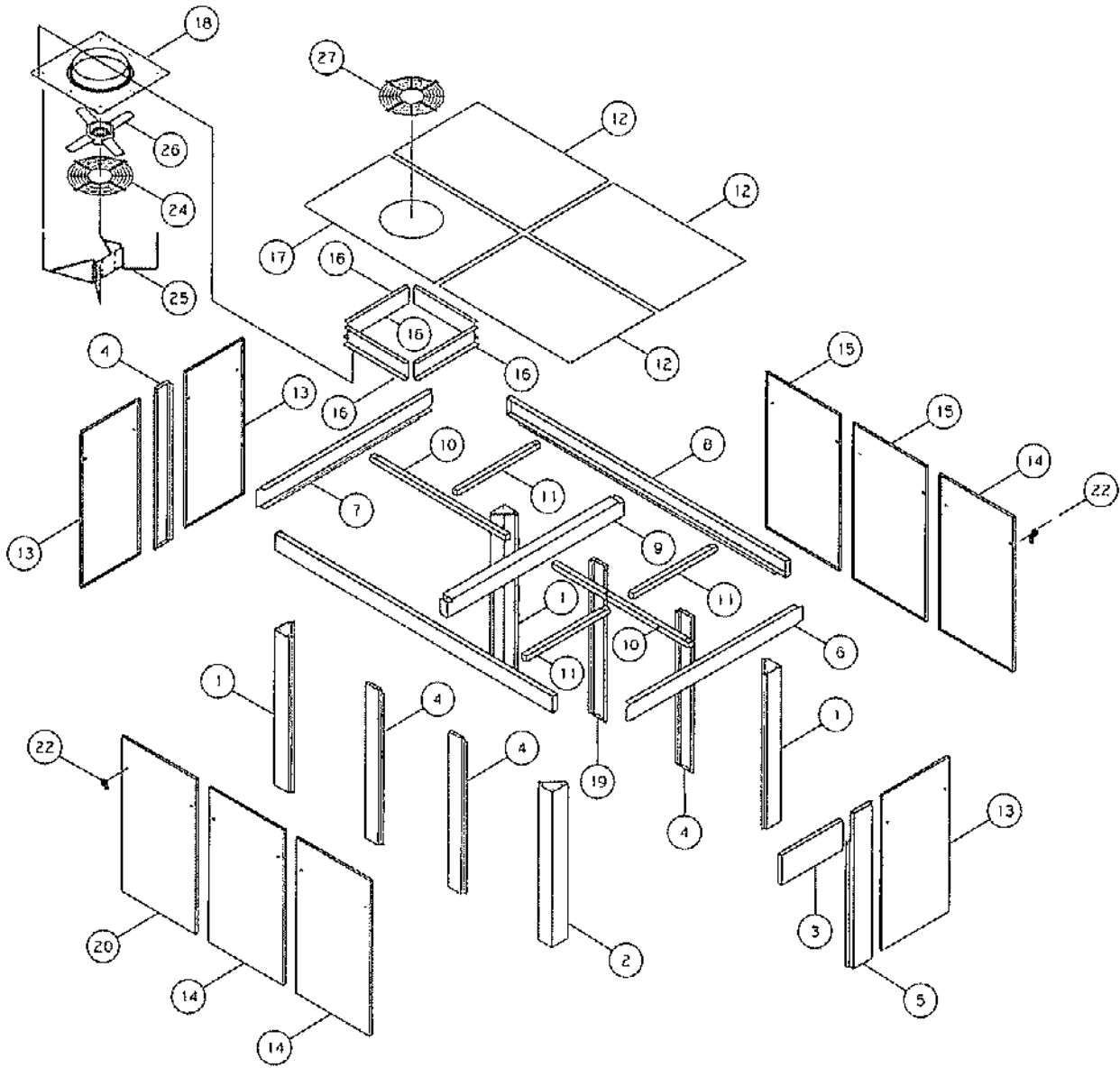
CABINET GROUP *(air-cooled, low sound)*

140363-001

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	3	140482-10	PANEL-CORNER POST
2	1	140482-11	PANEL-CORNER POST
3	1	140482-12	PANEL-FILLER
4	4	140482-13	PANEL-DOOR POST
5	1	140482-14	PANEL-ENCLOSURE POST
6	1	140482-15	PANEL-ROOF SUPPORT
7	1	140482-16	PANEL-ROOF SUPPORT
8	2	140482-17	PANEL-ROOF SUPPORT
9	1	140482-18	PANEL-MIDDLE SUPPORT
10	2	140482-19	PANEL-SUPPORT
11	3	140482-20	PANEL-SUPPORT POST
12	3	140482-21	PANEL-ROOF
13	3	140482-23	PANEL-END DOOR
14	3	140482-24	PANEL-DOOR
15	1	140482-25	PANEL-COOLER
16	1	140482-26	PANEL-COOLER
17	1	140482-27	PANEL-COOLER
18	1	140482-28	PANEL-COOLER
19	1	140482-20	PANEL-SUPPORT POST
20	1	140482-24	PANEL-DOOR
21	1	140630	SCREEN-CABINET
22	18	127623	LATCH-DOOR, QUARTER TURN
23	92	123918-003Z	NUT-HEX, 0.31 NC SAE, 2 ZINC
24	2	140482-29	PANEL-END, LOW SOUND
25	1	140482-30	PANEL-CORNER POST
26	1	140482-31	PANEL-ANGLE, LOW SOUND
27	1	140482-32	PANEL-END, RH, LOW SOUND
28	1	140482-33	PANEL-END, LH, LOW SOUND
29	1	140482-34	PANEL-REAR, LOW SOUND
30	92	7612	NUT-HEX, 5/16-18 UNC, ZINC
31			ITEM NOT USED
32	2	140482-29	PANEL-END, LOW SOUND
33	1	140482-30	PANEL-TOP, LOW SOUND
34	1	140482-31	PANEL-ANGLE, LOW SOUND
35	1	140482-32	PANEL-END, RH, LOW SOUND
36	1	140482-33	PANEL-END, LH, LOW SOUND
37	1	140482-34	PANEL-REAR, LOW SOUND
38	42	140061	SCREW-HEX, 5/16-18 UNC X 0.75, GRADE 5 (@ 13 FT.-LBS.)
39	12	123115-05Z	LOCKWASHER, 5/16
40	12	7612	NUT-HEX, 5/16-18 UNC, ZINC
41	30	123918-003Z	NUT-HEX, 0.31 NC SAE, 2 ZINC

@ indicates torque value in foot pounds. *(lubricated threads)*

CABINET GROUP (water-cooled)
142052-001



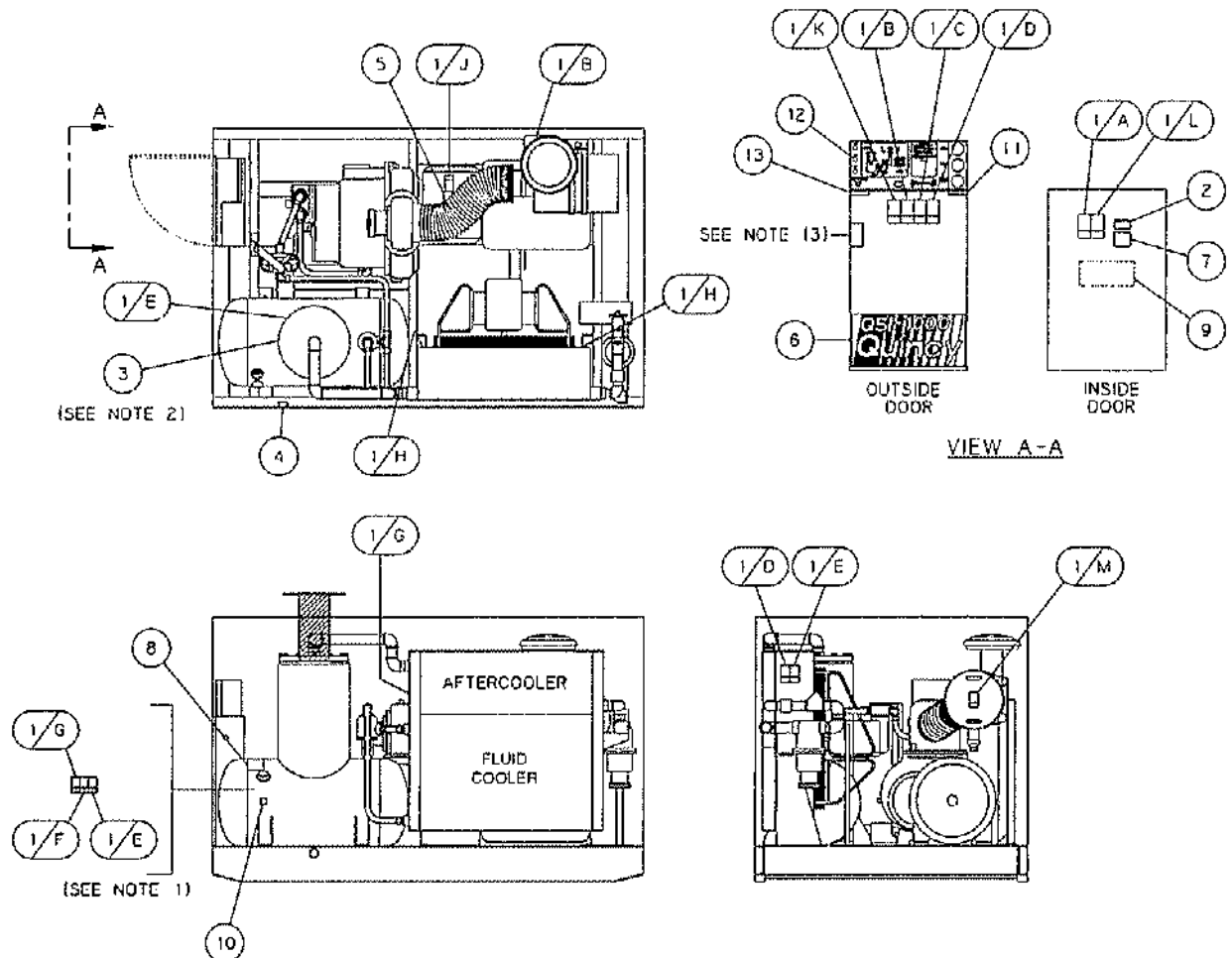
NOTE: ITEMS 28 THRU 39 ARE NOT SHOWN

CABINET GROUP (water-cooled)
142052-001

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1	3	140482-10	PANEL-CORNER POST
2	1	140482-11	PANEL-CORNER POST
3	1	140482-12	PANEL-FILLER
4	4	140482-13	PANEL-DOOR POST
5	1	140482-14	PANEL-ENCLOSURE POST
6	1	140482-15	PANEL-ROOF SUPPORT
7	1	140482-16	PANEL-ROOF SUPPORT
8	2	140482-17	PANEL-ROOF SUPPORT
9	1	140482-18	PANEL-MIDDLE SUPPORT
10	2	140482-19	PANEL-SUPPORT
11	3	140482-20	PANEL-SUPPORT POST
12	3	140482-21	PANEL-ROOF
13	3	140482-23	PANEL-END DOOR
14	3	140482-24	PANEL-DOOR
15	2	140482-24	PANEL-DOOR
16	4	140191-32	PANEL-FAN MOUNTING
17	1	140482-22	PANEL-VENT ROOF
18	1	128150	VENTURI-FAN
19	1	140482-13	PANEL-DOOR POST
20	1	140482-24	PANEL-DOOR
21			ITEM NOT USED
22	18	127623	LATCH-DOOR, QUARTER TURN
23			ITEM NOT USED
24	2	128149	GUARD-FAN, VENT
25	1	128145	SUPPORT-MOTOR, VENT FAN
26	1	126511-014	FAN-CW, 20.00 O.D.
27	1	140345	GUARD-FAN
28	8	142667-N02	NUT-HEX, 1/2-13 UNC
29	92	123918-003Z	NUT-HEX, 0.31 NC SAE, 2 ZINC
30	10	142650-K12	SCREW-CAP, 5/16-18 UNC X 1.00, GRADE 5 (@ 23 FT.-LBS.)
31	70	7612	NUT-HEX, 5/16-18 UNC, ZINC
32	95	110428W025	FLATWASHER, 1/4
33	95	123115-05Z	LOCKWASHER, 5/16
34	95	142578-K12	SCREW-CAP, 5/16-18 UNC X 1.00, GRADE 5 (@ 23 FT.-LBS.)
35	4	22456Z	NUT-GRIP, 1/4-20 UNC, ZINC
36	72	140061	SCREW-HEX, 5/16-18 UNC X 0.75, GRADE 5 (@ 13 FT.-LBS.)
37	18	123777-J10	SCREW-HEX, 1/4-20 UNC X 0.75, GRADE 5 (@ 6 FT.-LBS.)
38	18	110976-J02	NUT-FLANGE, 1/4-20 UNC
39	1	142050-001	ASSEMBLY-VENT FAN STARTER

@ indicates torque value in foot pounds (lubricated threads)

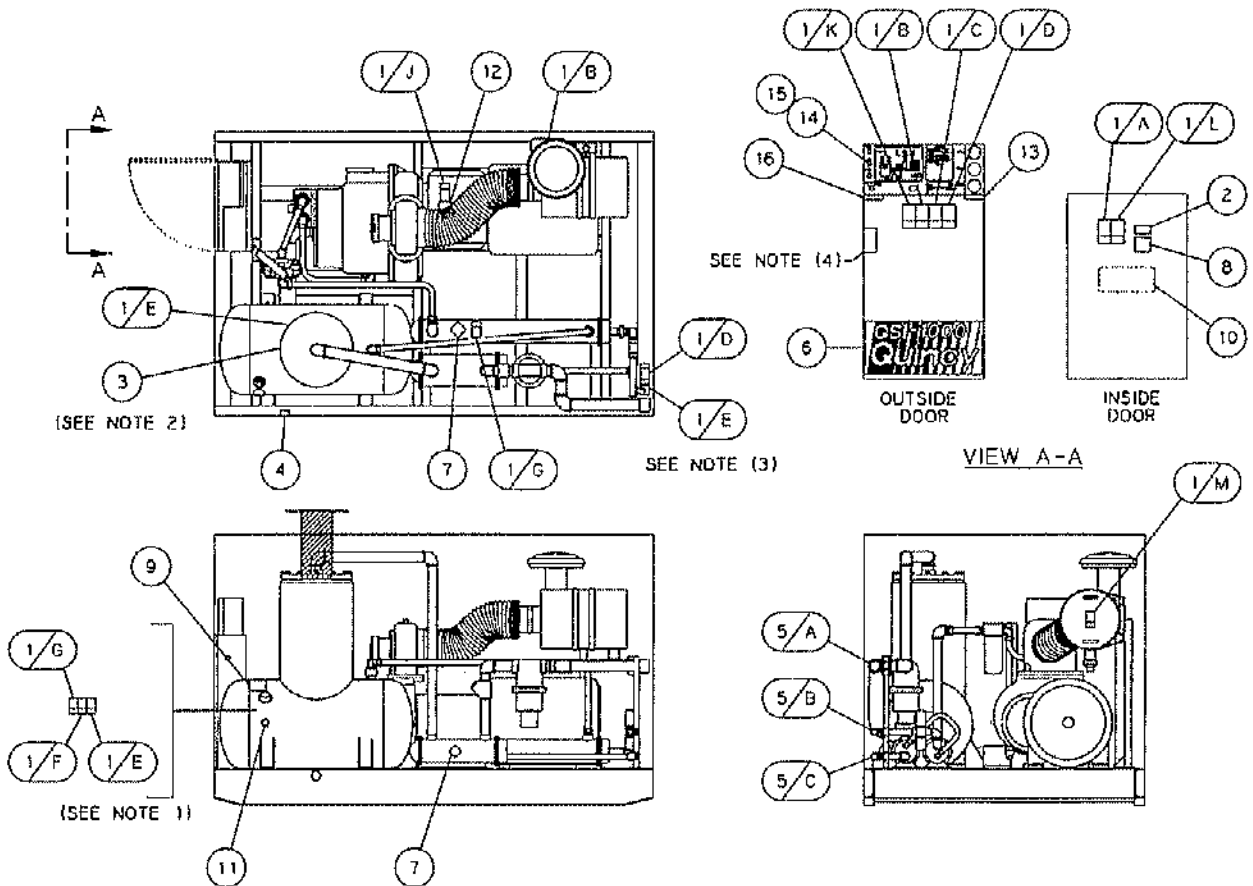
DECAL GROUP (air-cooled)
129776A100



- NOTES - UNLESS OTHERWISE SPECIFIED:
 1) THESE ITEMS ARE TO BE PLACED ABOVE SIGHTGLASS
 2) THIS ITEM TO BE PLACED ABOVE SAFETY VALVE
 3) OPTIONAL AUTO-RESTART DECAL

ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1/A - 1/M	1	128004	SHEET-SAFETY DECALS
2	1	128198	LABEL-GENUINE QUINCY COMPONENTS
3	1	124839	DECAL-WARNING, DO NOT REMOVE STAPLES...
4	1	128065	DECAL-DANGER...HOT FLUID UNDER PRESSURE...
5	1	125556	DECAL-NOTICE, REALIGN COUPLING...
6	1	129785-100	DECAL-QSI QUINCY
7	1	110835	DECAL-COMPRESSOR CONTROL PANEL PART NO
8	1	128425	DECAL-THIS MACHINE IS PROTECTED WITH QUINSYN...
9	1	110690-001	ENVELOPE-PLASTIC
10	1	22177	TAG-FLUID TYPE SHIPPED WITH UNIT
11	1	128189	DECAL-AMERICAN MADE
12	1	141250	TAG-CAUTION, JOG MOTOR
13	1	140387	DECAL-INSTRUCTION...STOP BUTTON

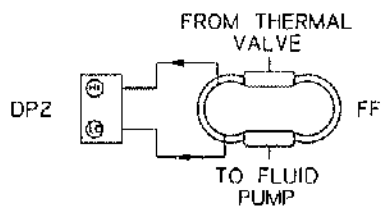
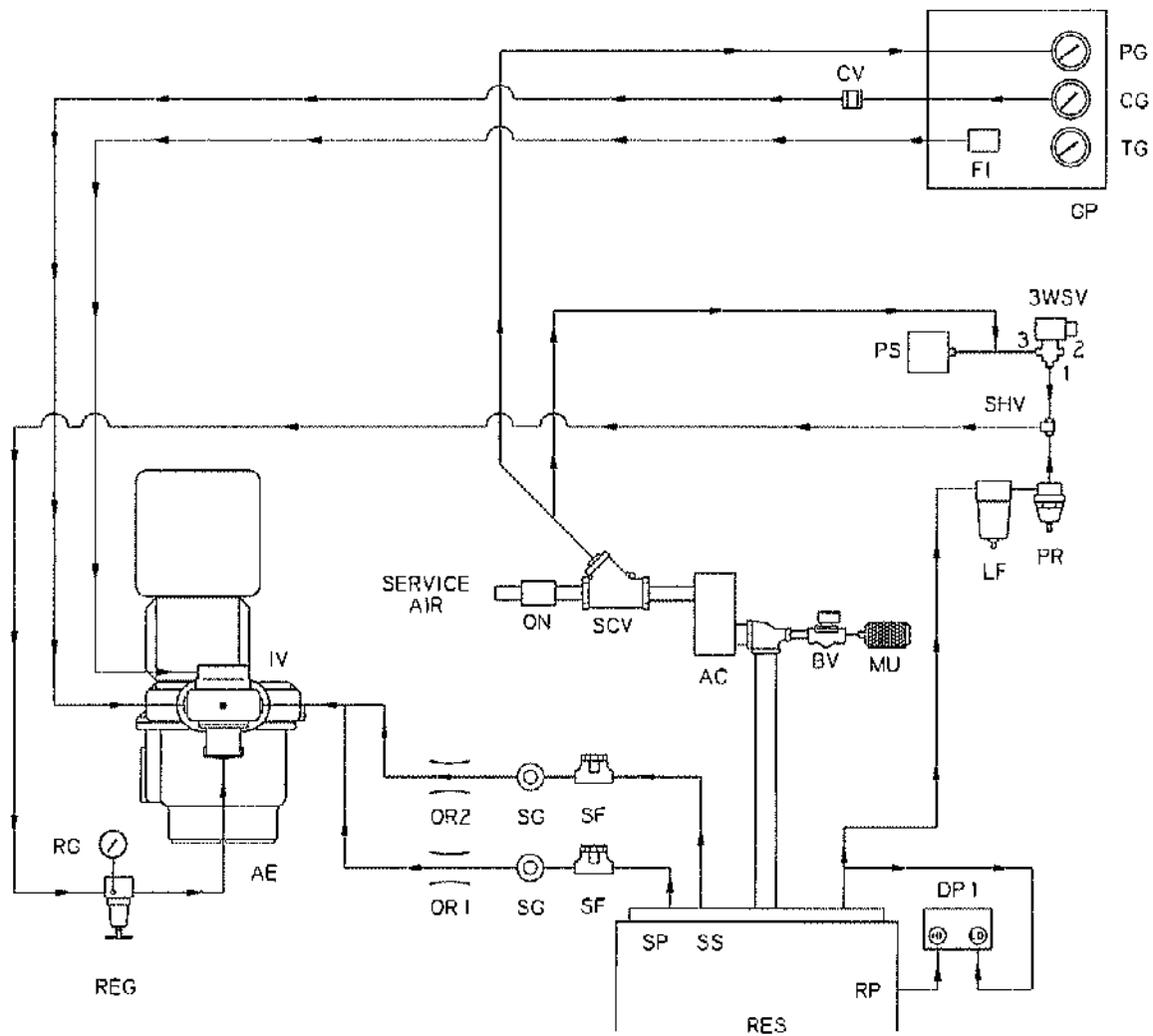
DECAL GROUP (water-cooled)
129776W100



- NOTES - UNLESS OTHERWISE SPECIFIED:
- 1) THESE ITEMS ARE TO BE PLACED ABOVE SIGHTGLASS
 - 2) THIS ITEM TO BE PLACED ABOVE SAFETY VALVE.
 - 3) THESE ITEMS TO BE PLACED ON BASE BELOW SERVICE CONNECTION
 - 4) OPTIONAL AUTO-RESTART DECAL

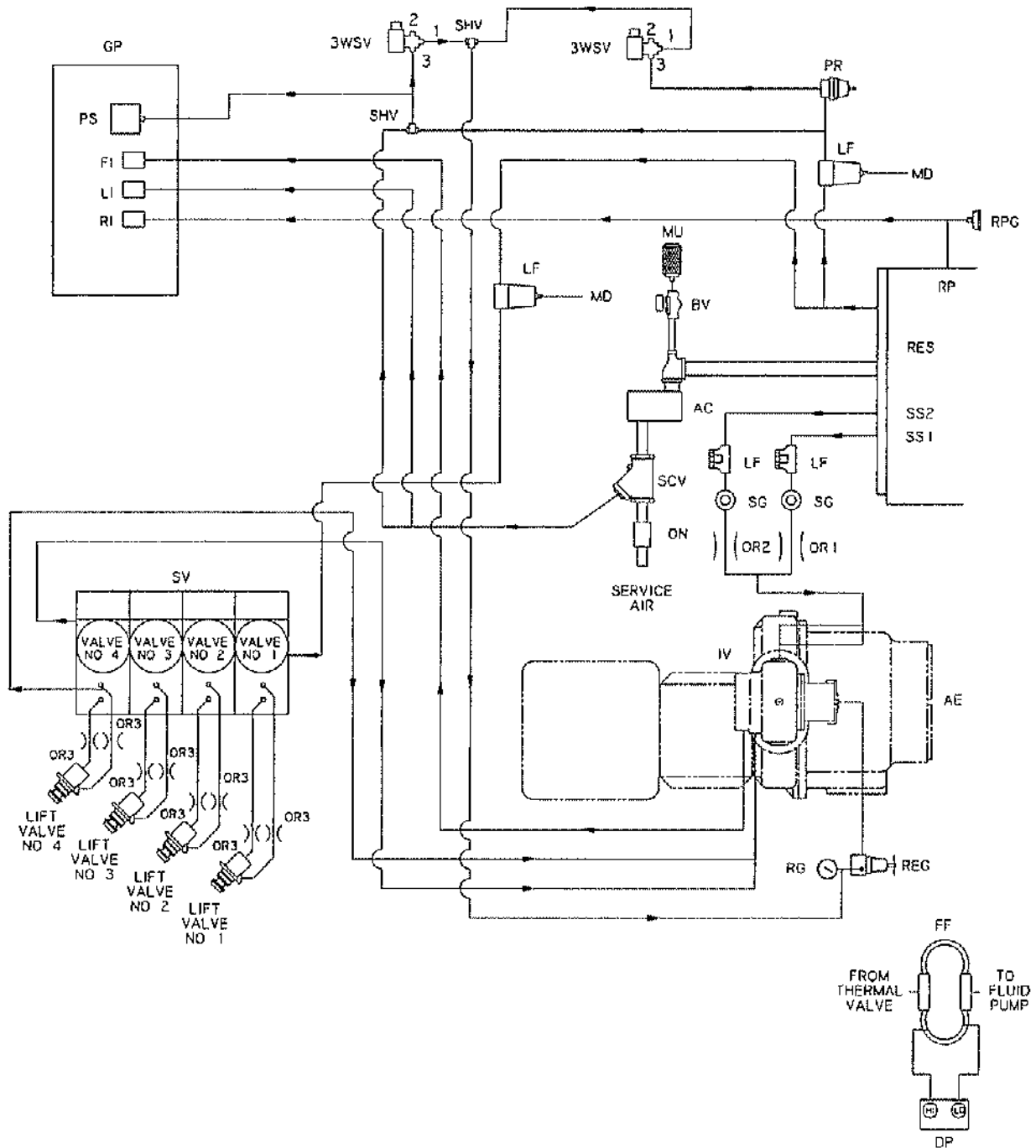
ITEM NUMBER	QTY.	PART NUMBER	DESCRIPTION
1/A - 1/M	1	128004	SHEET-SAFETY DECALS
2	1	128198	LABEL-GENUINE QUINCY COMPONENTS
3	1	124839	DECAL-WARNING, DO NOT REMOVE STAPLES...
4	1	128065	DECAL-DANGER...HOT FLUID UNDER PRESSURE...
5/A - 5/C	1	128280	DECAL-OUTLET IDENTIFICATION
6	1	129785-100	DECAL-QSI QUINCY
7	2	22012	DECAL-WARNING...PROTECT FROM FREEZING
8	1	110835	DECAL-COMPRESSOR CONTROL PANEL PART NO
9	1	128425	DECAL-THIS MACHINE IS PROTECTED WITH QUINSYN...
10	1	110690-001	ENVELOPE-PLASTIC
11	1	22177	TAG-FLUID TYPE SHIPPED WITH UNIT
12	1	125556	DECAL-NOTICE, REALIGN COUPLING...
13	1	128189	DECAL-AMERICAN MADE
14	1	141250	TAG-CAUTION, JOG MOTOR
15	1	141251	TAG-PLUGS REMOVED...
16	1	140387	DECAL-INSTRUCTION...STOP BUTTON

CONTROL SCHEMATIC (across the line)



- | | |
|--|---|
| AC: AFTERCOOLER | OR2: SECONDARY SCAVENGE ORIFICE (0 040) |
| AE: AIREND | PG: PRESSURE GAUGE |
| BV: NORMALLY OPEN BLOWDOWN VALVE | PR: PRESSURE REGULATOR |
| CG: CAPACITY GAUGE | PS: PRESSURE SWITCH |
| CV: CAPACITY VALVE | REG: INLET VALVE REGULATOR |
| DP1: DIFFERENTIAL PRESSURE SWITCH SEPARATOR | RG: REGULATOR GAUGE |
| DP2: DIFFERENTIAL PRESSURE SWITCH FLUID FILTER | RP: RESERVOIR PRESSURE |
| FF: FLUID FILTER | RES: RESERVOIR |
| FI: AIR FILTER INDICATOR SWITCH | SCV: SWING CHECK VALVE |
| GP: GAUGE PANEL | SF: SCAVENGE FILTER |
| IV: INLET VALVE | SG: SIGHTGLASS |
| LF: LINE FILTER | SHV: SHUTTLE VALVE |
| MU: MUFFLER | SP: PRIMARY SEPARATOR SCAVENGE |
| ON: ORIFICE NOZZLE | SS: SECONDARY SEPARATOR SCAVENGE |
| OR1: PRIMARY SCAVENGE ORIFICE (0 078) | TG: TEMPERATURE GAUGE |
| | 3WSV: 3-WAY SOLENOID VALVE |

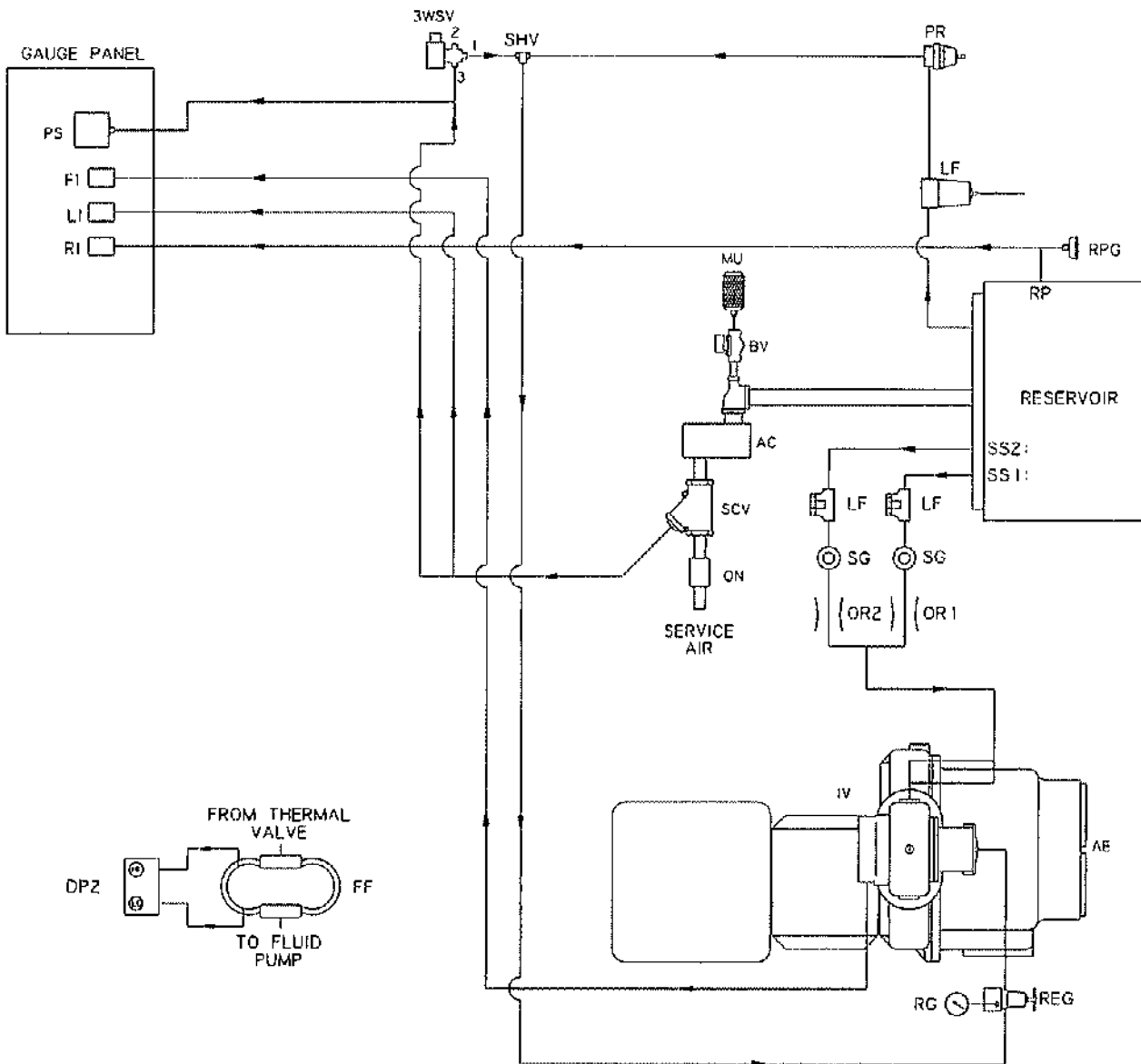
CONTROL SCHEMATIC (POWER\$YNC) (with lift valve)



AC: AFTERCOOLER
 AE: AIREND
 BV: NORMALLY OPEN BLOWDOWN VALVE
 DP: DIFFERENTIAL PRESSURE SWITCH FLUID FILTER
 FF: FLUID FILTER
 FI: AIR FILTER INDICATOR SWITCH
 GP: GAUGE PANEL
 IV: INLET VALVE
 LF: LINE FILTER
 LI: LINE PRESSURE INDICATOR
 MD: MANUAL DRAIN
 SCV: SWING CHECK VALVE
 MU: MUFFLER
 ON: ORIFICE NOZZLE
 OR1: PRIMARY SCAVENGE ORIFICE (0 078)
 OR2: SECONDARY SCAVENGE ORIFICE (0 040)

OR3: ORIFICE (0.062)
 PR: PRESSURE REGULATOR
 REG: INLET VALVE REGULATOR
 PS: PRESSURE SWITCH
 RG: REGULATOR PRESSURE GAUGE
 RI: RESERVOIR PRESSURE INDICATOR
 RP: RESERVOIR PRESSURE
 RPG: RESERVOIR PRESSURE GAUGE
 RES: RESERVOIR
 SG: SIGHTGLASS
 SHV: SHUTTLE VALVE
 SS1: PRIMARY SEPARATOR SCAVENGE
 SS2: SECONDARY SEPARATOR SCAVENGE
 SV: 150 PSI PARKER SOLENOID VALVE
 3WSV: 3-WAY SOLENOID VALVE

CONTROL SCHEMATIC (POWER\$YNC) (less lift valve)

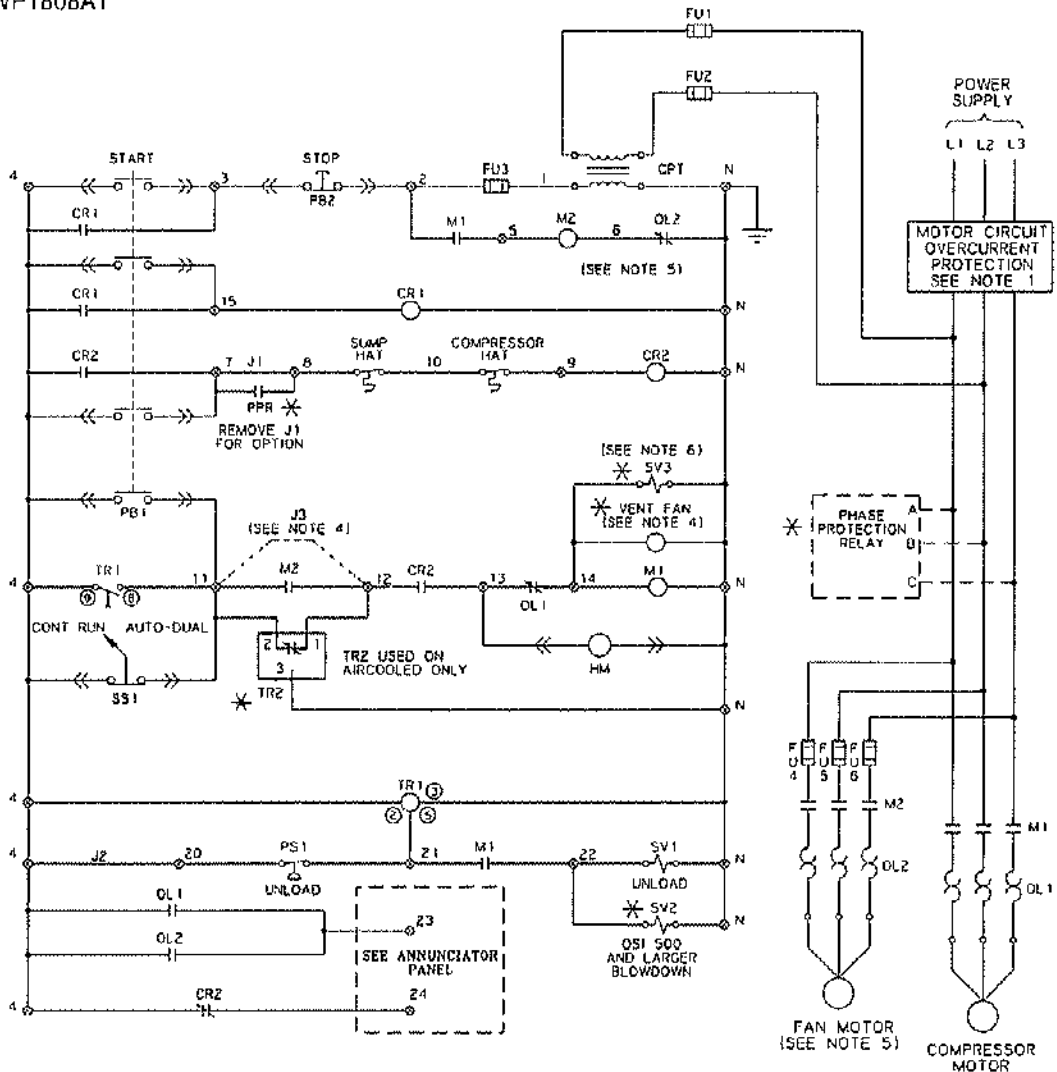


AC: AFTERCOOLER
 AE: AIREND
 BV: NORMALLY OPEN BLOWDOWN VALVE
 DP: DIFFERENTIAL PRESSURE SWITCH, FLUID FILTER
 FI: AIR FILTER INDICATOR SWITCH
 FF: FLUID FILTER
 GP: GAUGE PANEL
 IV: INLET VALVE
 LF: LINE FILTER
 LI: LINE PRESSURE INDICATOR
 MU: MUFFLER-BLOWDOWN VALVE
 OR1: ORIFICE (Ø 078)
 OR2: ORIFICE (Ø 062)
 ON: ORIFICE NOZZLE
 PR: PRESSURE REGULATOR

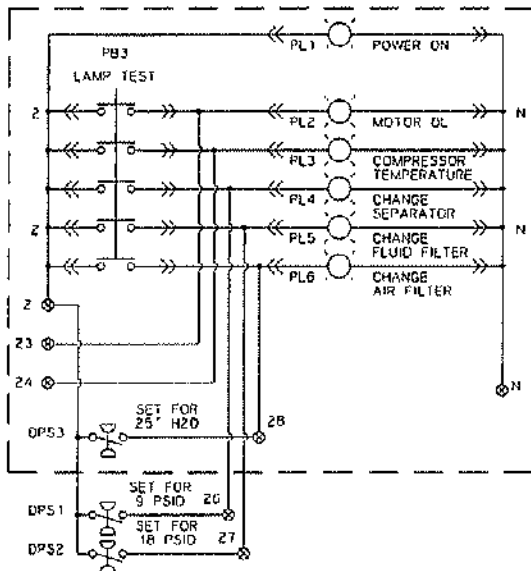
PS: PRESSURE SWITCH
 REG: REGULATOR-PRESSURE
 RES: RESERVOIR
 RG: GAUGE-PRESSURE REGULATOR
 RI: RESERVOIR PRESSURE INDICATOR
 RP: RESERVOIR PRESSURE
 RPG: RESERVOIR PRESSURE GAUGE
 SCV: SWING CHECK VALVE
 SHV: SHUTTLE VALVE
 SG: SCAVENGE SIGHTGLASS
 SS1: PRIMARY SEPARATOR SCAVENGE
 SS2: SECONDARY SEPARATOR SCAVENGE
 SG: SCAVENGE SIGHTGLASS
 3WSV: 3-WAY SOLENOID VALVE

ELECTRICAL CONTROL DIAGRAM AUTO DUAL (across the line)

WP1808A1



LOCATED IN ANNUNCIATOR PANEL



NOMENCLATURE

FU	FUSE	M	CONTACTOR
PB	PUSH BUTTON	SV	SOLENOID VALVE
SS	SELECTOR SWITCH	PS	PRESSURE SWITCH
CR	CONTROL RELAY	Ⓢ	SCREW TERMINAL
CPT	CONTROL POWER TRANS	Ⓢ	OCTAL SOCKET NUMBER
TS	TEMP SWITCH	*	OPTIONALS
HAT	HIGH AIR TEMP	HM	HOUR METER
PL	PANEL LIGHT	J	JUMPERS
TR	TIMING RELAY	<<>	QUICK CONNECTS LUGS
OL	OVERLOAD RELAY		

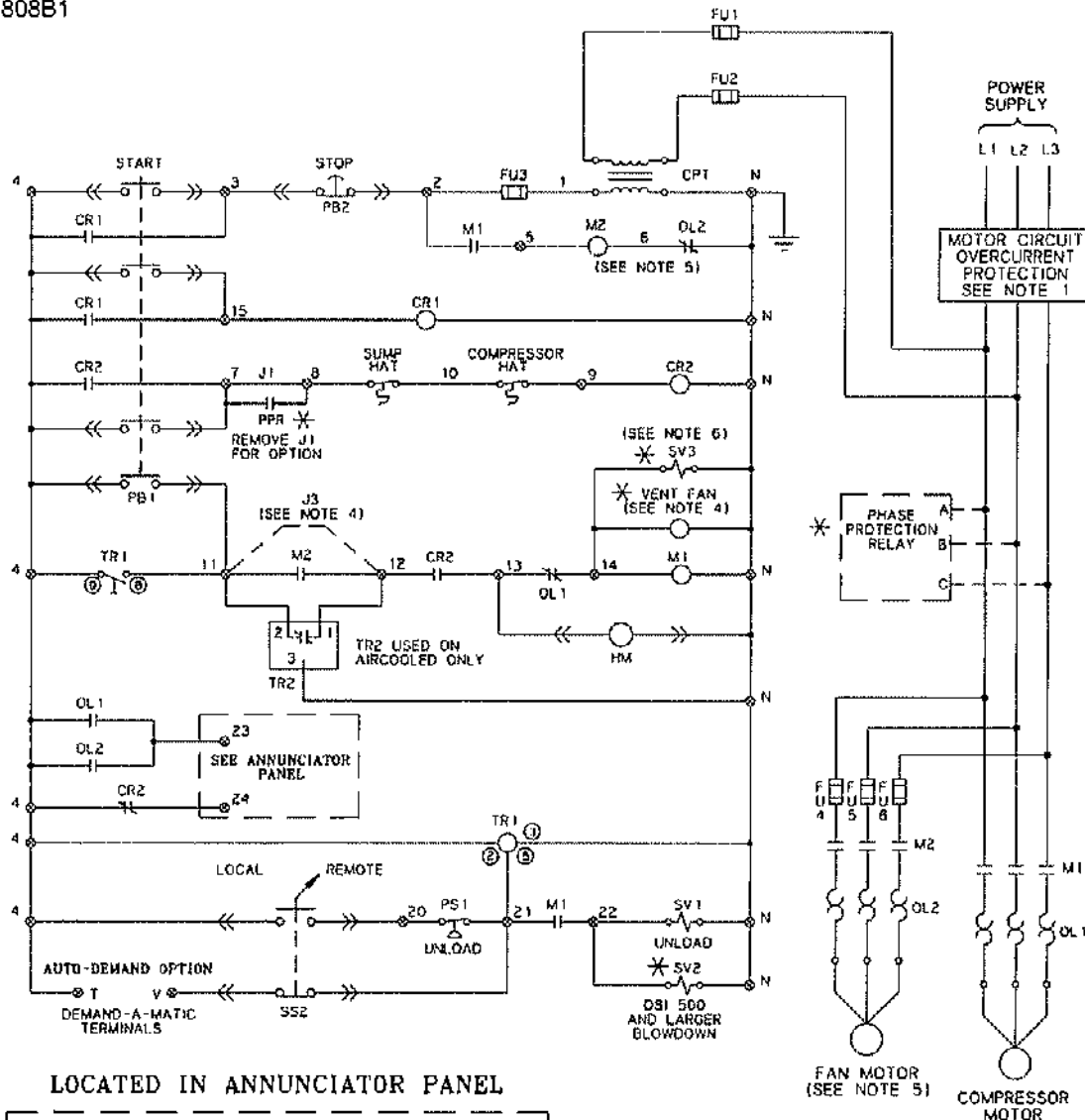
NOTES

- 1) AT INSTALLATION THE CUSTOMER IS TO PROVIDE DISCONNECT AND BRANCH CIRCUIT OVERCURRENT PROTECTION IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND/OR ANY LOCAL CODES HAVING PRECEDENCE.
- 2) UNLESS OTHERWISE SPECIFIED ALL WIRES ARE RED EXCEPT "N" WIRES ARE WHITE AND "G" WIRE IS GREEN.
- 3) ALL PUSH BUTTONS, SELECTOR SWITCHES, HOURMETER, AND INDICATOR LIGHTS ARE LOCATED IN THE ANNUNCIATOR PANEL.
- 4) 115V VENT FAN USED ON WATERCOOLED CANOPY FOR QSI 245/370 AND 500. JUMPER TO BE PLACED BETWEEN TERMINALS 11 AND 12 FOR THESE MODELS ONLY.
- 5) FAN MOTOR USED FOR STANDARD AIRCOOLED ON ALL UNITS AND ALSO WATERCOOLED CANOPY VENT FAN FOR QSI 750, 1000, 1250 AND 1500.
- 6) WATER SHUTOFF SOLENOID VALVE FOR WATERCOOLED OPTION.

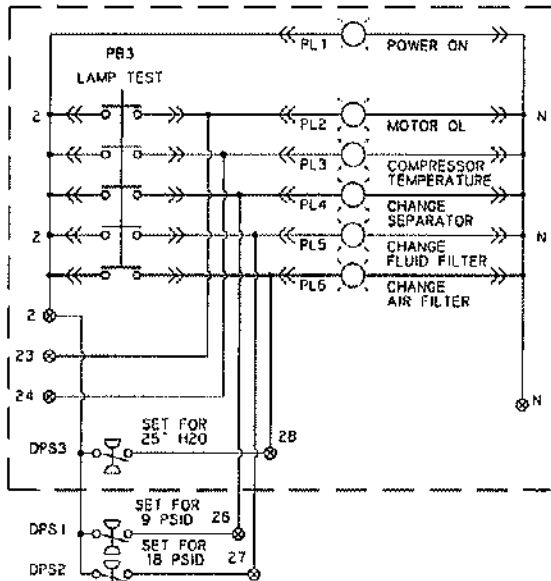
ELECTRICAL CONTROL DIAGRAM

AUTO DEMAND (across the line)

WP1808B1



LOCATED IN ANNUNCIATOR PANEL



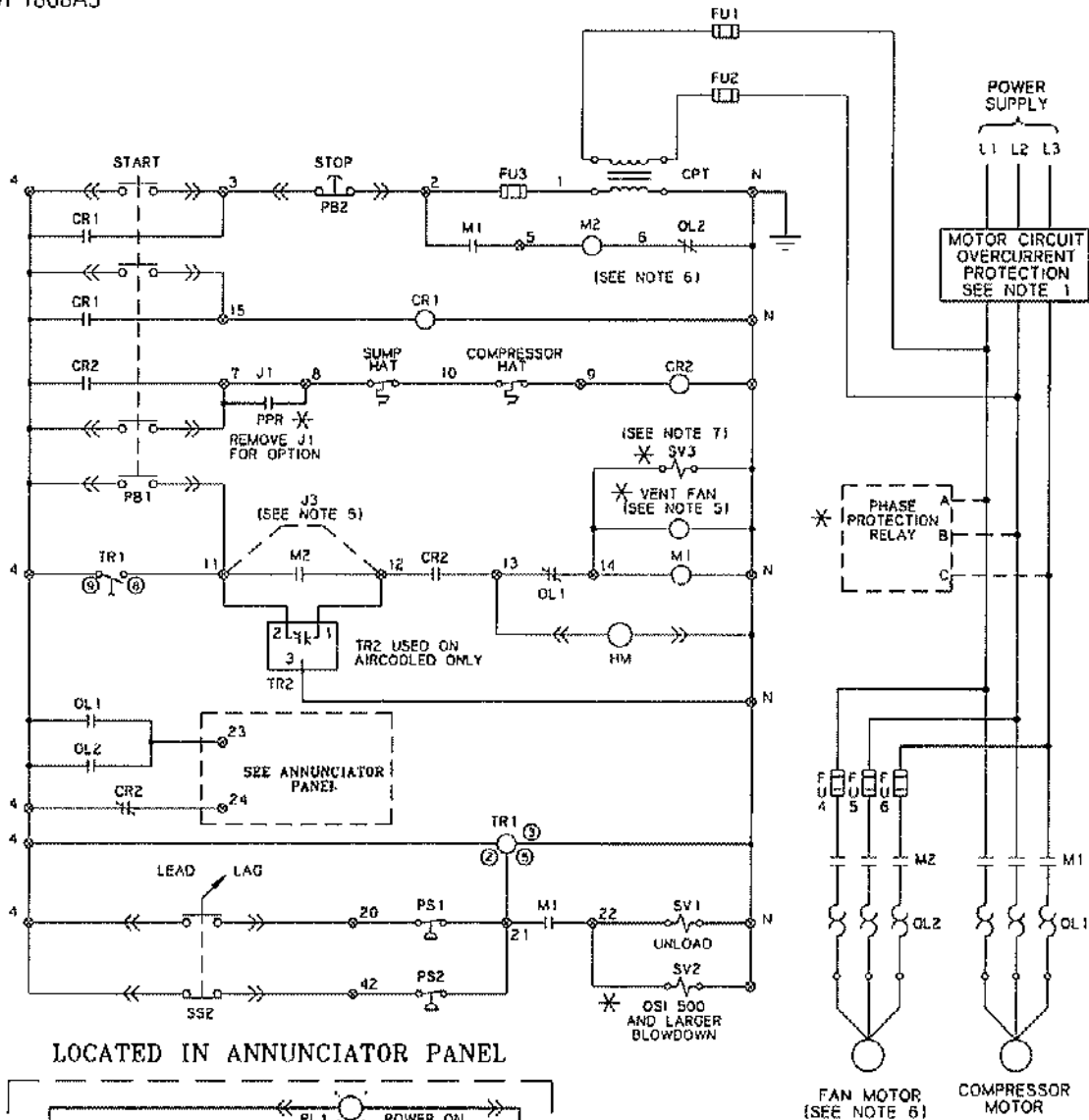
NOMENCLATURE

FU	FUSE	M	CONTACTOR
PB	PUSH BUTTON	SV	SOLENOID VALVE
SS	SELECTOR SWITCH	PS	PRESSURE SWITCH
CR	CONTROL RELAY	⊗	SCREW TERMINAL
CPT	CONTROL POWER TRANS	⊙	OCTAL SOCKET NUMBER
T5	TEMP SWITCH	*	OPTIONALS
HAT	HIGH AIR TEMP	HM	HOURLY METER
PL	PANEL LIGHT	J	JUMPER
TR	TIMING RELAY	<<>>	QUICK CONNECTS LUGS
OL	OVERLOAD RELAY		

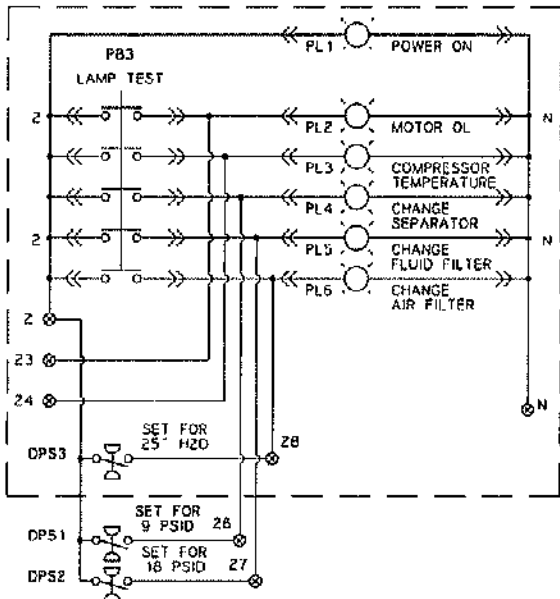
- NOTES
- 1) AT INSTALLATION THE CUSTOMER IS TO PROVIDE DISCONNECT AND BRANCH CIRCUIT OVERCURRENT PROTECTION IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND/OR ANY LOCAL CODES HAVING PRECEDENCE.
 - 2) UNLESS OTHERWISE SPECIFIED ALL WIRES ARE RED EXCEPT "N" WIRES ARE WHITE AND "G" WIRE IS GREEN.
 - 3) ALL PUSH BUTTONS, SELECTOR SWITCHES, HOURMETER, AND INDICATOR LIGHTS ARE LOCATED IN THE ANNUNCIATOR PANEL.
 - 4) 115V VENT FAN USED ON WATERCOOLED CANOPY FOR QSI 245/370 AND 500. JUMPER TO BE PLACED BETWEEN TERMINALS 11 AND 12 ON THESE MODELS ONLY.
 - 5) FAN MOTOR USED FOR STANDARD AIRCOOLED ON ALL UNITS AND ALSO WATERCOOLED CANOPY VENT FAN FOR QSI 750, 1000, 1250 AND 1500.
 - 6) WATER SHUTOFF SOLENOID VALVE FOR WATERCOOLED OPTION.

ELECTRICAL CONTROL DIAGRAM LEAD/LAG (across the line)

WP1808A5



LOCATED IN ANNUNCIATOR PANEL



NOMENCLATURE

FU	FUSE	M	CONTACTOR
PB	PUSH BUTTON	SV	SOLENOID VALVE
SS	SELECTOR SWITCH	PS	PRESSURE SWITCH
CR	CONTROL RELAY	⊗	SCREW TERMINAL
CPT	CONTROL POWER TRANS	⊙	OCTAL SOCKET NUMBER
TS	TEMP SWITCH	X	OPTIONALS
HAT	HIGH AIR TEMP	HM	HOUR METER
PL	PANEL LIGHT	J	JUMPERS
TR	TIMING RELAY	<<>	QUICK CONNECTS LUGS
OL	OVERLOAD RELAY		

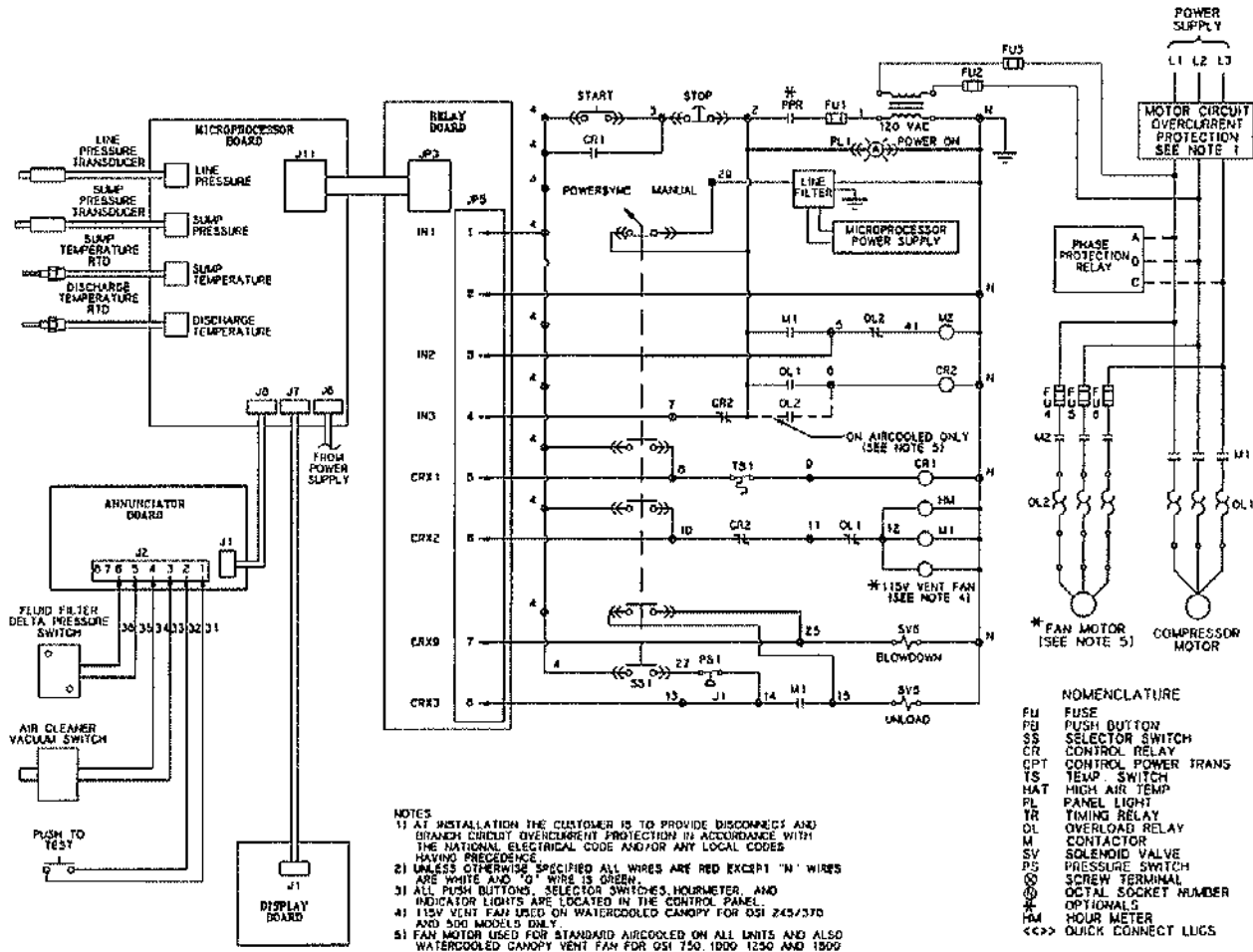
NOTES

- 1) AT INSTALLATION THE CUSTOMER IS TO PROVIDE DISCONNECT AND BRANCH CIRCUIT OVERCURRENT PROTECTION IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND/OR ANY LOCAL CODES HAVING PRECEDENCE
- 2) UNLESS OTHERWISE SPECIFIED ALL WIRES ARE RED EXCEPT "N" WIRES ARE WHITE AND "G" WIRE IS GREEN.
- 3) ALL PUSH BUTTONS, SELECTOR SWITCHES, HOURMETER, AND INDICATOR LIGHTS ARE LOCATED IN THE ANNUNCIATOR PANEL.
- 4) PS1 MUST NOT BE ADJUSTED TO CAUSE MOTOR LOAD TO EXCEED MOTOR NAMEPLATE. PS2 IS SET 5 PSIG LESS THAN PS1.
- 5) 115V VENT FAN USED ON WATERCOOLED CANOPY FOR OSI 245/370 AND 500. JUMPER TO BE PLACED BETWEEN TERMINALS 11 AND 12 FOR THESE MODELS ONLY.
- 6) FAN MOTOR USED FOR STANDARD AIRCOOLED ON ALL UNITS AND ALSO WATERCOOLED CANOPY VENT FAN FOR OSI 750, 1000, 1250 AND 1500
- 7) WATER SHUTOFF SOLENOID VALVE FOR WATERCOOLED OPTION

ELECTRICAL CONTROL DIAGRAM (POWER\$YNC)

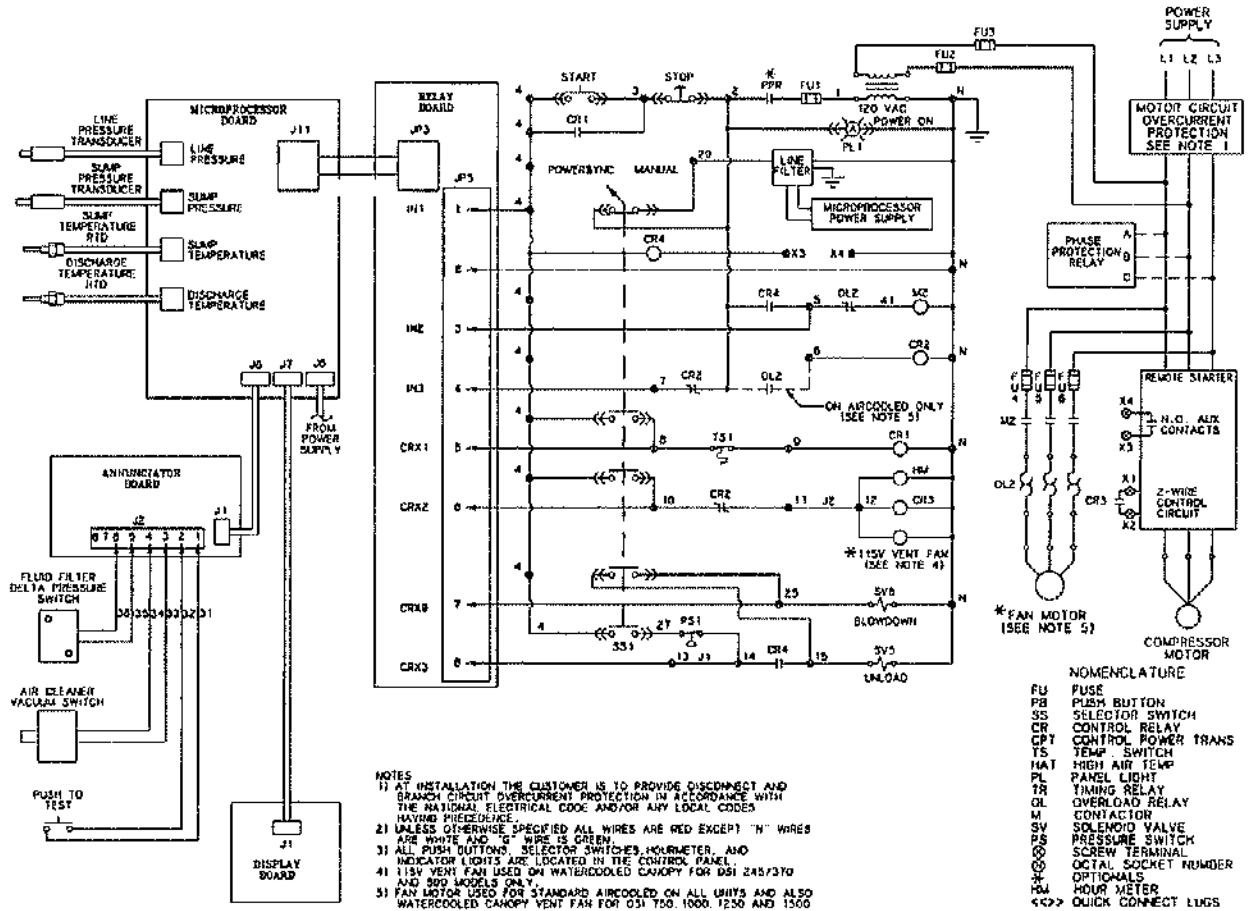
(across the line, less lift valve)

WP1874A



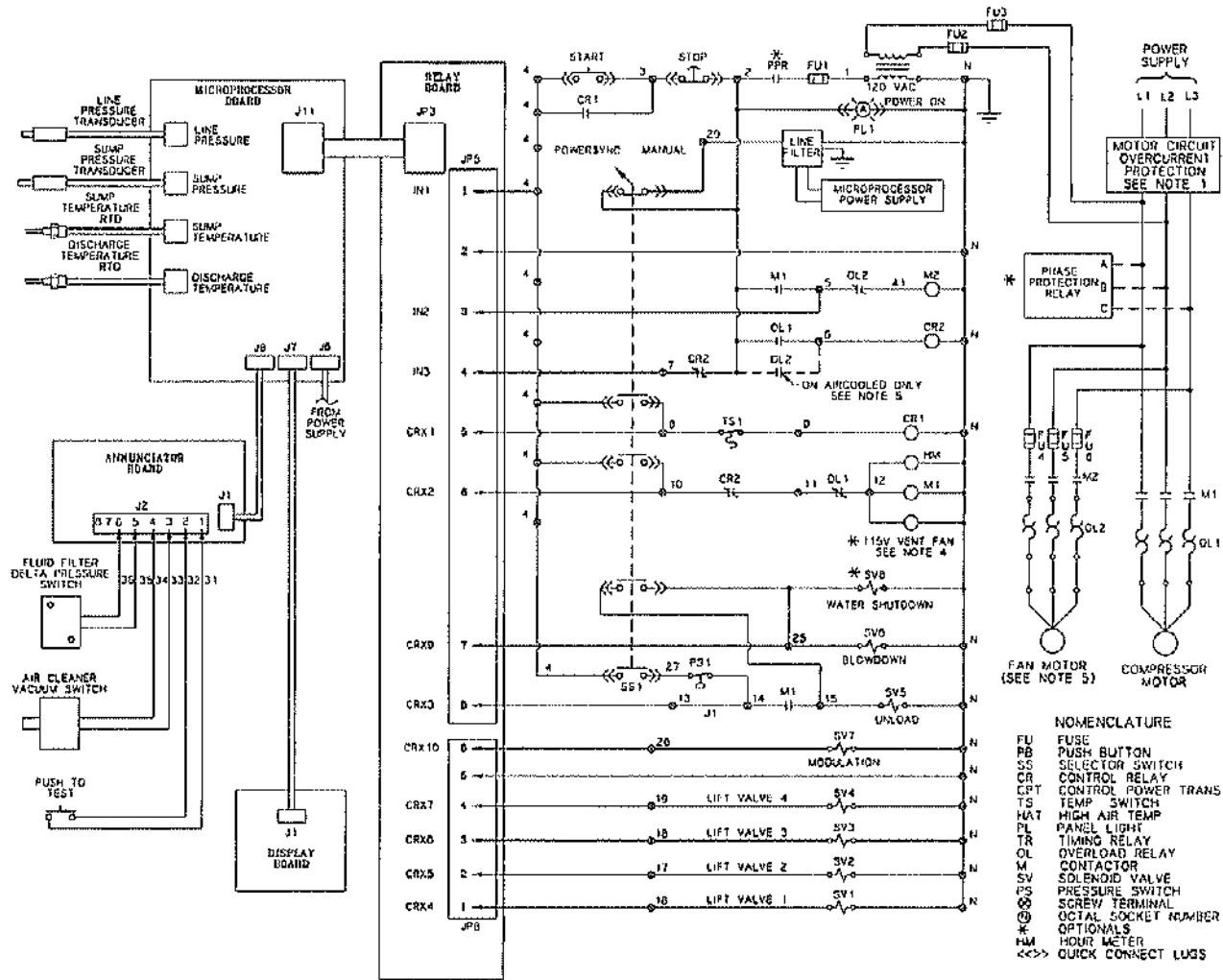
ELECTRICAL CONTROL DIAGRAM (POWER\$YNC) (remote starting, less lift valve)

WP1874C



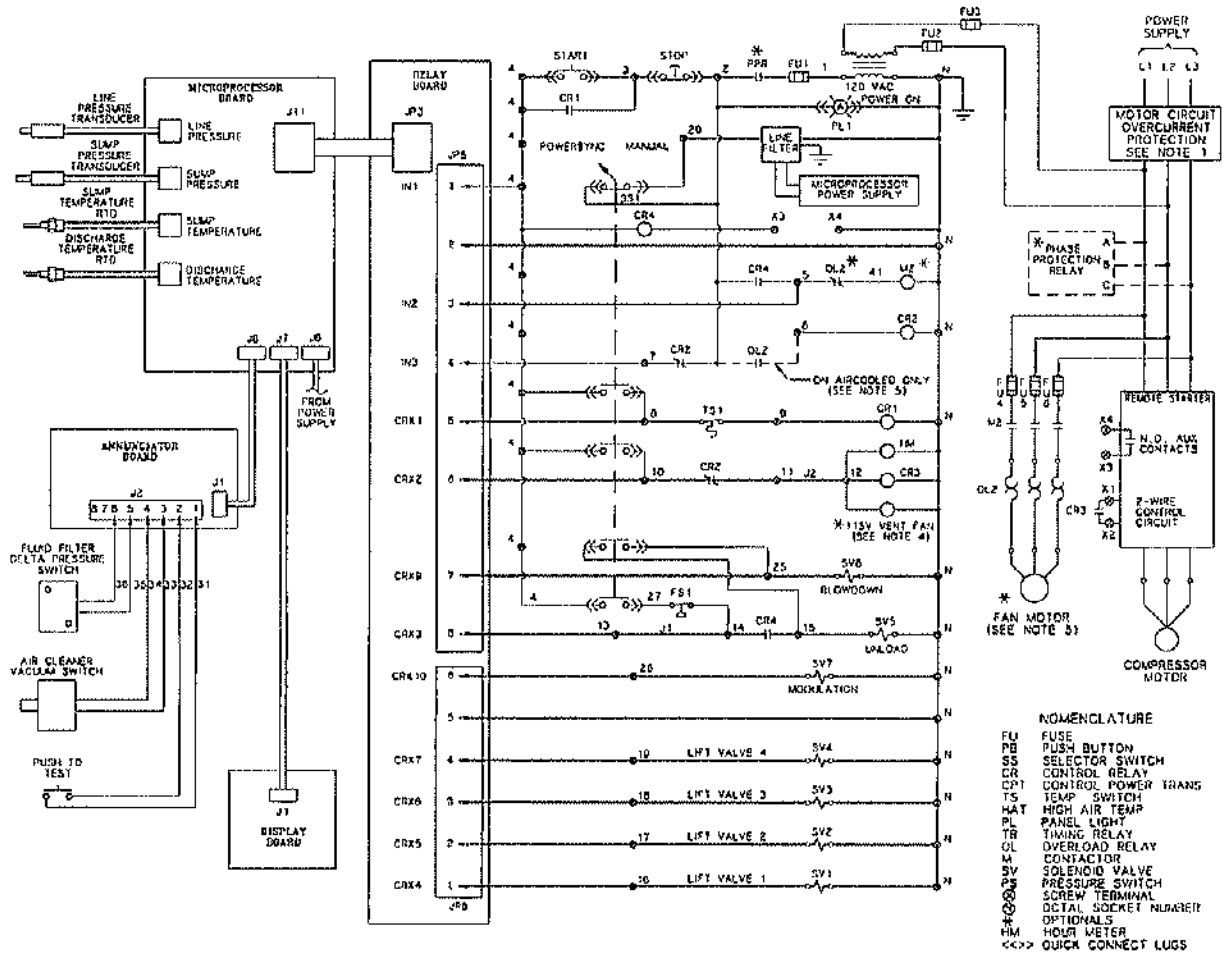
ELECTRICAL CONTROL DIAGRAM (POWER\$YNC) (across the line, with lift valve)

WP1809A



ELECTRICAL CONTROL DIAGRAM (POWER\$YNC) (remote starting, with lift valve)

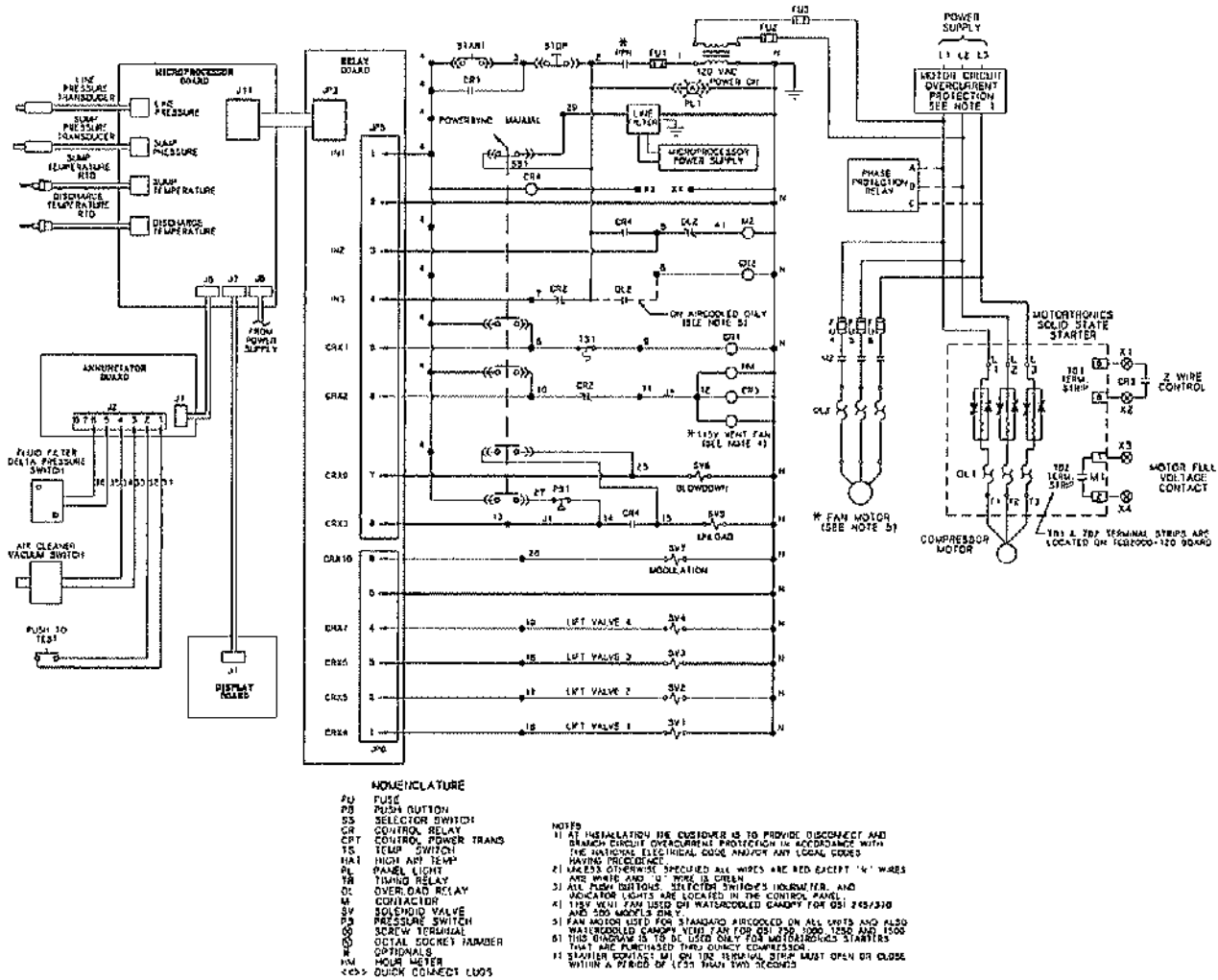
WP1809C



- NOTES**
- 1) AT INSTALLATION THE CUSTOMER IS TO PROVIDE DISCONNECT AND BRANCH CIRCUIT OVERCURRENT PROTECTION IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND/OR ANY LOCAL CODES HAVING PRECEDENCE.
 - 2) UNLESS OTHERWISE SPECIFIED ALL WIRES ARE RED EXCEPT "N" WIRES ARE WHITE AND "G" WIRE IS GREEN.
 - 3) ALL PUSH BUTTONS, SELECTOR SWITCHES, HOURMETER, AND INDICATOR LIGHTS ARE LOCATED IN THE CONTROL PANEL.
 - 4) 115V VENT FAN USED ON WATERCOOLED COMPRESSOR FOR QSI 245/370 AND 500 MODELS ONLY.
 - 5) FAN MOTOR USED FOR STANDARD AIRCOOLED BY ALL UNITS AND ALSO WATERCOOLED CANOPY VENT FAN FOR QSI 750 1000 1250 AND 1500

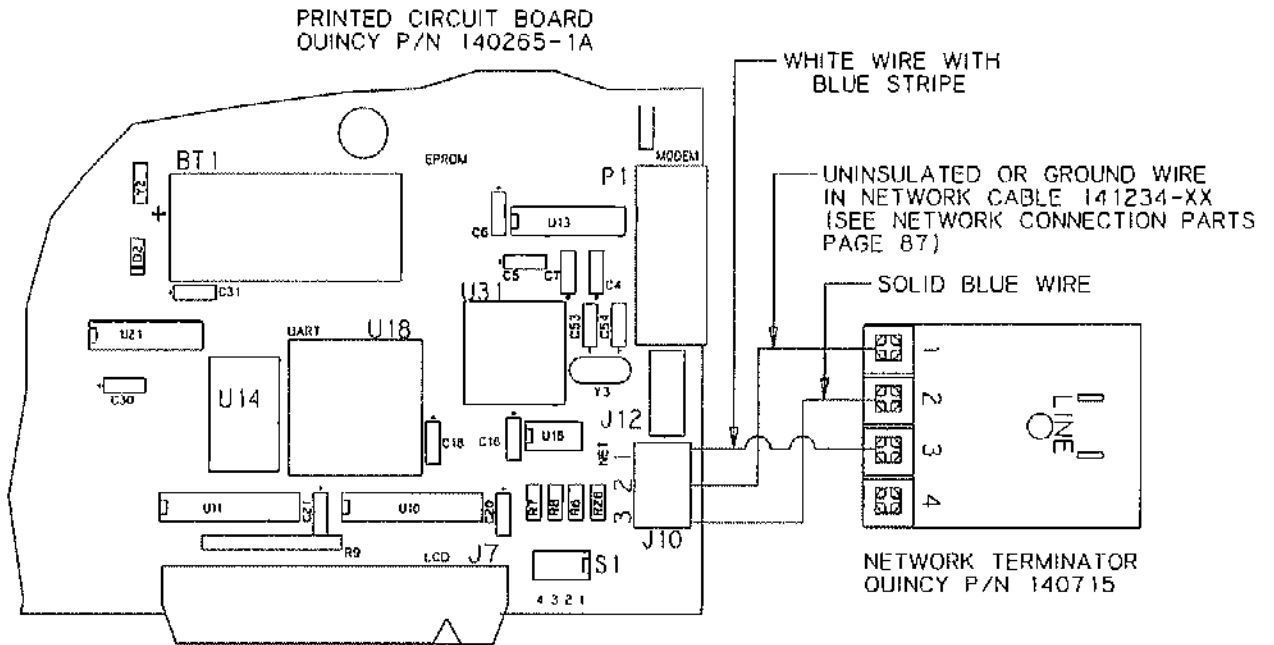
ELECTRICAL CONTROL DIAGRAM (POWER\$YNC) (MOTORTRONICS)(remote starting, with lift valve)

WP1809C3



NETWORK CONNECTION DIAGRAM

141370



RECOMMENDED SPARE PARTS

QTY.	PART NUMBER	DESCRIPTION
1	129731-050	KIT-LINE FILTER
1	124973-56	KIT-THERMOSTATIC VALVE
1	128691-053	KIT-CHECK VALVE
1	122862-900	TIMER-15 MINUTE, DELAY ON BREAK
4	125706-005	RELAY
2	122880-222	TEMPERATURE SWITCH (225° F)
* 1	124487-019	SEPARATOR-AIR/FLUID
* 2	23458-4	ELEMENT-AIR FILTER
* 2	128382-050	ELEMENT-FLUID FILTER
1	127462-005	FLUID-QUINSYN, STANDARD (5 GAL. CONTAINER)
* 1	127462-055	FLUID-QUINSYN, STANDARD (55 GAL. CONTAINER)
1	110756-005	FLUID-QUINSYN-F, FOOD GRADE (5 GAL. CONTAINER)
* 1	110756-055	FLUID-QUINSYN-F, FOOD GRADE (55 GAL. CONTAINER)
1	141140-005	FLUID-QUINSYN IV (5 GAL. CONTAINER)
* 1	* 141140-055	FLUID-QUINSYN IV (55 GAL. CONTAINER)
1	1125458-IA5	MODULE-AC INPUT (IN1 THRU IN4)
2	140343-001	RELAY (CRX1 THRU CRX10)
2	140550	TRANSDUCER-PRESSURE
1	129495	LAMP-INCANDESCENT
1	140551	SWITCH-TEMPERATURE, 0.50 NPT
3	140702-001	ANNUNCIATOR LIGHT-RED
3	140702-002	ANNUNCIATOR LIGHT-YELLOW
1	140729-01	KIT-PILOT BODY (POWER\$YNC SOLENOID BANK)
1	140729-02	KIT-BODY (POWER\$YNC SOLENOID BANK)
1	140729-03	KIT-SOLENOID (POWER\$YNC SOLENOID BANK)
2	140729-04	LAMP-SOLENOID INDICATOR
1	140734-001	BATTERY (MICRO PROCESSOR BOARD)

NOTE: THE ITEMS MARKED (*) ARE INCLUDED IN THE MAINTENANCE KITS ON THE FOLLOWING PAGE. NEW OR CHANGED ITEMS ABOVE ARE IN BOLD ITALICS.

NETWORK CONNECTION PARTS

1	140715	TERMINATOR
1	141234-01	CABLE, 100 FT.
1	141234-02	CABLE, 500 FT.
1	141234-03	CABLE, 1000 FT.

POWER\$YNC SOFTWARE UPGRADE

1	141375-002	POWER\$YNC SOFTWARE-VERSION 1.21
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POWER\$YNC MODEM COMMUNICATION

1	141941-001	KIT-COMMUNICATION, PRIMARY (2 MODEMS) COMPRESSOR/PC ONLY
1	141941-002	KIT-COMMUNICATION, SECONDARY (1 MODEM) COMPRESSOR ONLY
1	141941-003	KIT-COMMUNICATION, OPTIONAL (1 MODEM) PC ONLY

MAINTENANCE KITS

QTY.	PART NUMBER	DESCRIPTION
QUINSYN (STANDARD)		
1	127667-S19	MAINTENANCE KIT <i>includes:</i>
1	22705-5	SEPARATOR-AIR/FLUID PRIMARY
1	122117-5	SEPARATOR-AIR/FLUID SECONDARY
1	127462-055	FLUID-QUINSYN (55 GAL. CONTAINER)
2	23458-5	ELEMENT-AIR FILTER
6	128382-050	ELEMENT-FLUID FILTER
QUINSYN-F (FOOD GRADE)		
1	127667FS54	MAINTENANCE KIT <i>includes:</i>
1	22705-5	SEPARATOR-AIR/FLUID PRIMARY
1	122117-5	SEPARATOR-AIR/FLUID SECONDARY
1	110756-055	FLUID-QUINSYN-F (55 GAL. CONTAINER)
2	23458-5	ELEMENT-AIR FILTER
6	128382-050	ELEMENT-FLUID FILTER
QUINSYN IV		
1	127667QS19	MAINTENANCE KIT <i>includes:</i>
1	22705-5	SEPARATOR-AIR/FLUID PRIMARY
1	122117-5	SEPARATOR-AIR/FLUID SECONDARY
1	141140-055	FLUID-QUINSYN IV (55 GAL. CONTAINER)
2	23458-5	ELEMENT-AIR FILTER
6	128382-050	ELEMENT-FLUID FILTER

FLUID ANALYSIS KIT 128515

Provides Early Detection of Excessive Parts Wear, Fluid Breakdown, or a Contaminated Fluid System.

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or fax requests to 1-800-219-9131



Quincy
Compressor
