



GARDNER-DENVER®

13-9-550
1st Edition

Revised 6-7-2012

**ELECTRA-SAVER II®
STATIONARY
BASE-MOUNTED
COMPRESSORS**

MODELS

40 HP

ECHQHG

ECHSHG

50 HP

ECHQJG

ECHSJG

Parts List



INDUSTRIAL MACHINERY

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INTRODUCTION

CONTENTS:

This Parts List Manual contains repair parts for all models in the Electra-Saver II® Stationary Screw Compressor line shown on the cover.

Following is a list of comments to guide you in the selection of pages that are applicable to your particular unit.

MODEL DESIGNATIONS - The new thirteen digit Model Designations will reflect the optional or selective types of construction available on these units, however, if an "8" appears in any column, the original order and subsequent machine ticket must always be referred to when ordering repair parts for that option (see Ordering Instruction Page).

Early model designations DO NOT reflect the optional or selective types of construction available on these units. The original order and subsequent machine ticket must always be referred to when ordering repair parts (see Ordering Instruction Page).

The following are offered as a guide in showing the various types of construction:

- Air Cooled (With Radiator Module) vs. Water Cooled (With Heat Exchanger).

- With or without Aftercooler for Water-Cooled Units.
- Pressure ratings (100, 125 or 150 PSIG) - these differences are reflected in the selection offered for Gear Kits and Pressure Relief Valves.
- "Fresh Water" or "Salt Water" Service with Water-Cooled Units.

Above items are covered in this Parts List Manual. Additional items NOT covered are as follows:

Motors, Motor Starters, Overload Heaters, and various electrical components. There is a wide selection of these items available in all of the constructions listed above. All repair orders for these items must be referred to the factory.

QUALITY OF PARTS: Numerous mounting components, such as piping, tubing, fasteners, minor electrical parts and wiring, etc., may be purchased from your local supply source. However, it is emphasized that **IT IS THE RESPONSIBILITY OF THE CUSTOMER** when purchasing repair parts locally to use only parts that are of **EQUAL** or better quality than those used in the original construction.

INSTRUCTIONS FOR ORDERING REPAIR PARTS

When ordering parts, specify Compressor **MODEL**, Method of Cooling, **HORSEPOWER** and **SERIAL NUMBER** (see nameplate on unit). Serial Number is also stamped on top of the cylinder flange to the right of the inlet housing.

All orders for Parts should be placed with the nearest Sales and Service Office.

Where NOT specified, quantity of parts required per compressor or unit is one (1); where more than one is required per unit, quantity is indicated in parenthesis. **SPECIFY EXACTLY THE NUMBER OF PARTS REQUIRED.**

DO NOT ORDER BY SETS OR GROUPS.

To determine the Right Hand and Left Hand side of an Electra-Screw\ compressor, stand at the motor end and look toward the compressor. Right Hand and Left Hand are indicated in parenthesis following part name, i.e. (RH) & (LH).

PARTS RETURNED

All claims must be made within five days after receipt of goods. If order has been filled correctly, we cannot allow

the return of the goods without our consent and then only on a basis of a charge for service and rehandling plus transportation charges.

Transportation charges must be prepaid. If it is necessary to return a part to the factory for duplication or inspection, do not fail to do the following:

1. Write the nearest Sales and Service Office a letter advising what material you wish to return and why.
2. After receiving permission to return the item or items, obtain from the Sales and Service Office the correct forms filled out by that office for the proper return of material.
3. Place a tag in the package showing your name and address.
4. Tag each article in the box or package stating what and how many are returned.
5. Always give the serial number of the machine from which the parts were removed or the invoice number on which the parts were originally shipped.

All parts returned for credit should be handled in the same manner as that for duplication or inspection.

MODELS ECHQ G & ECHS G
40 & 50 HP Air or Water-Cooled Base-Mounted
Electra-Saver II® Compressors -- Matrix/Menu

Notice to Customer -- To find the construction options for your compressor unit, fill in the balance of letters or numbers from your unit nameplate.Column Number:

E C H			G									
1	2	3	4	5	6	7	8	9	10	11	12	13

Follow the line down and over from each space thus filled in to find the appropriate construction with which your machine is equipped. The number "9" in any column space indicates "NOT APPLICABLE." The number "8" in any column space indicates special design -- Refer to Factory Order Ticket.

COLUMNS 1, 2 & 3 - COMPRESSOR TYPE & SIZE

COLUMN 4 - TYPE OF CONSTRUCTION

- Q. Air-Cooled Base Mounted
- S. Water-Cooled Base Mounted

COLUMN 5 - HORSEPOWER

- H. 40 HP
- J. 50 HP

COLUMN 6 - ENGINEERING SPECIFICATION

COLUMN 7 - PRESSURE & HZ

- A. 100 PSIG - 60 HZ
- B. 125 PSIG - 60 HZ
- C. 150 PSIG - 60 HZ

COLUMN 8 - SKIP - ENTER A "9" IN THIS COLUMN

COLUMN 9 - CONTROL BOX STARTER (Per HP/Voltage)/NEMA

- | | |
|-----------------------|----------------------|
| A. 40 HP - 200V - N12 | I. 40 HP - 200V - N4 |
| B. 40 HP - 230V - N12 | J. 40 HP - 230V - N4 |
| C. 40 HP - 460V - N12 | K. 40 HP - 460V - N4 |
| D. 40 HP - 575V - N12 | L. 40 HP - 575V - N4 |
| E. 50 HP - 200V - N12 | M. 50 HP - 200V - N4 |
| F. 50 HP - 230V - N12 | N. 50 HP - 230V - N4 |
| G. 50 HP - 460V - N12 | O. 50 HP - 460V - N4 |
| H. 50 HP - 575V - N12 | P. 50 HP - 575V - N4 |

COLUMN 10 - ENCLOSURE & AIR FILTER

- | | |
|----------------------------------|----------------------------------|
| A. W/O Encl. - Air/Water Cooled | D. W/Encl. - Water Cooled - 230V |
| B. W/Encl. - Air Cooled | E. W/Encl. - Water Cooled - 460V |
| C. W/Encl. - Water Cooled - 200V | F. W/Encl. - Water Cooled - 575V |

COLUMN 11 - OIL COOLERS - AIR & WATER

- | | |
|-----------------------------------|---|
| A. Air Cooled - W/Aftercooler | D. Water Cooled - W/O Aftercooler - W/Water Temp Reg. |
| B. Water Cooled - W/O Aftercooler | E. Water Cooled - W/Aftercooler - W/Water Temp Reg. |
| C. Water Cooled - W/Aftercooler | |

COLUMN 12 - COOLER ELECTRICAL

AIR COOLED

- A. 200V.
- B. 230V
- C. 460V
- D. 575V
- E. Less Fan Motor

WATER COOLED

- T. Nema 1 - Fresh Water
- U. Nema 4 - Fresh Water
- V. No Water Shutoff Valve

COLUMN 13 - COMPRESSOR DRIVE MOTOR

ODP (STD. EFF.)

- A. 200V - 60 HZ
- B. 230V - 60 HZ
- C. 460V - 60 HZ
- D. 575V - 60 HZ

TEFC (STD. EFF.)

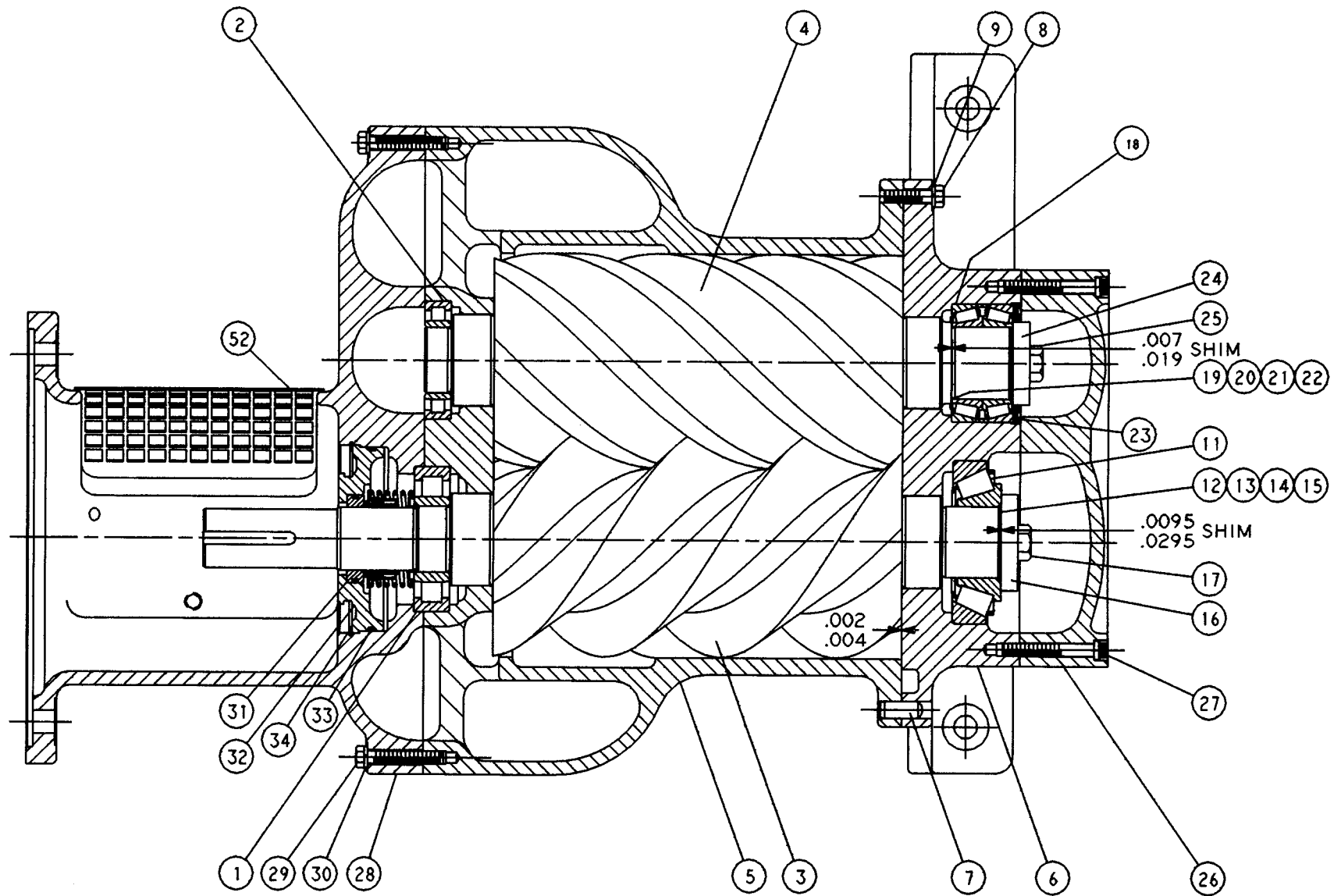
- I. 200V - 60 HZ
- J. 230V - 60 HZ
- K. 460V - 60 HZ
- L. 575V - 60 HZ

ODP (HI-EFF.)

- E. 200V - 60 HZ
- F. 230V - 60 HZ
- G. 460V - 60 HZ
- H. 575V - 60 HZ

TEFC (HI-EFF.)

- M. 200V - 60 HZ
- N. 230V - 60 HZ
- O. 460V - 60 HZ
- P. 575V - 60 HZ
- Q. LESS MOTOR



205SSH810

Order by Part Number and Description. Reference Numbers are for your convenience only.

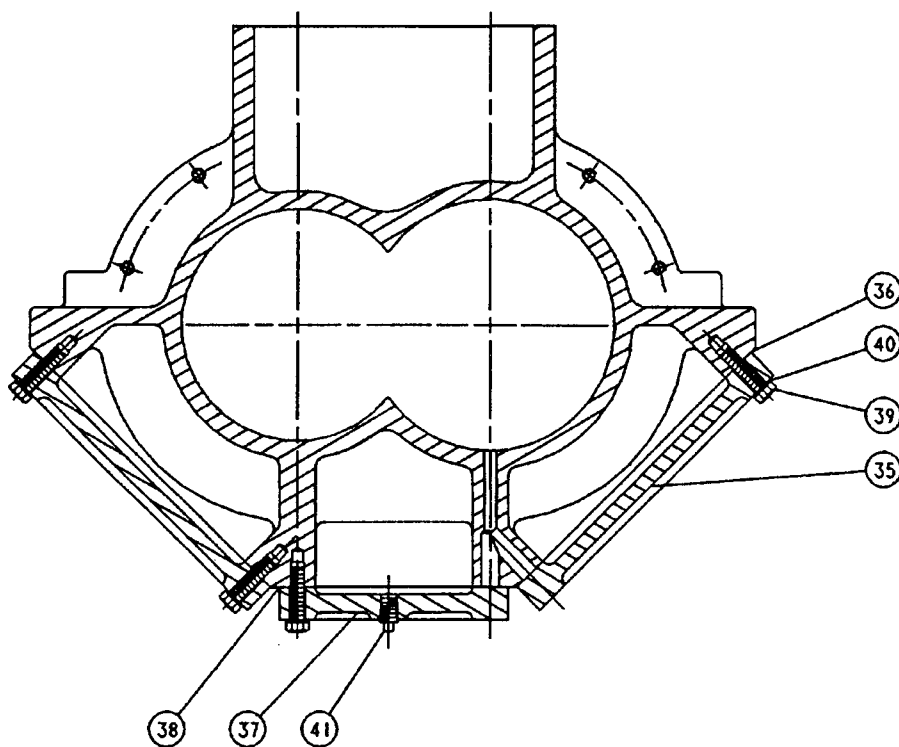
Ref.			Models ECH H & J 50 HP - 7A	Models ECH H & J 50 HP - 7B	Models ECH H 40 HP - 7A** 50 HP - 7C**	Models 40 HP - 7B**
No.	Name of Part	Qty.	Part No.	Part No.	Part No.	Part No.
	BARE COMPRESSOR		SSHMBC01	SSHMBC02	SSHMBC03	SSHMBC04
1	BEARING-ROLLER	1	12BA130	12BA130	12BA130	12BA130
2	BEARING-ROLLER	1	12BA136	12BA136	12BA136	12BA136
3	ROTOR	1	205SSH010	205SSH010	205SSH010	205SSH010
4	ROTOR	1	206SSH010	207SSH010	208SSH010	208SSH010
5	CYLINDER	1	203SSH002	203SSH002	203SSH002	203SSH002
6	HOUSING-BRG	1	203SSH006	203SSH006	203SSH006	203SSH006
7	PIN-DOWEL	2	62M83	62M83	62M83	62M83
8	SCREW-HEX CAP	12	75A7	75A7	75A7	75A7
9	WASHER-LOCK	12	95B3	95B3	95B3	95B3
10	GASKET-ELIMINATOR	10	25BC256	25BC256	25BC256	25BC256
11	BEARING-ROLLER	1	12BA91	12BA91	12BA91	12BA91
12	SHIM	2	77H54015	77H4015	77H54015	77H54015
13	SHIM	3	77H54005	77H4005	77H54005	77H54005
14	SHIM	3	77H54003	77H4003	77H54003	77H54003
15	SHIM	3	77H54002	77H4002	77H54002	77H54002
16	PLATE-BRG RET	1	200SSM253	200SSM253	200SSM253	200SSM253
17	SCREW HEX CAP	1	75A29N	75A29N	75A29N	75A29N
18	BEARING-ROLLER	1	12BA90	12BA90	12BA90	12BA90
19	SHIM	2	77H53015	77H53015	77H53015	77H53015
20	SHIM	3	77H53005	77H53005	77H53005	77H53005
21	SHIM	3	77H53003	77H53003	77H53003	77H53003
22	SHIM	3	77H53002	77H53002	77H53002	77H53002
23	SPRING-WAVE	4	78W48	78W48	78W48	78W48
24	PLATE-BRG RET	1	200SSH253	200SSH253	200SSH253	200SSH253
25	SCREW-HEX CAP	1	75A29N	75A29N	75A29N	75A29N
26	PLATE-BRG COVER	1	201SSH315	201SSH315	201SSH315	201SSH315
27	SCREW 12PT CAP	18	75LM208	75LM208	75LM208	75LM208
28	ADAPTOR	1	201SSH170	201SSH170	201SSP170	201SSP170
29	SCREW-HEX CAP	16	655ED090	655ED090	655ED090	655ED090
30	WASHER-LOCK	16	95B3	95B3	95B3	95B3
31	SEAL-OIL	1	60DD599	60DD599	60DD599	60DD599
32	HOUSING-SEAL	1	203SSM362	203SSM362	203SSM362	203SSM362
33	O-RING	1	25AH30	25AH30	25AH30	25AH30
34	RING-RETAINING	1	75D55	75D55	75D55	75D55
52	GUARD, COUPLING	1	200SSM339	200SSM339	200SSM339	200SSM339

** See Matrix/Menu Page (3) for Column 7 Designator.

use 74D55

use 74D55

use 74D55

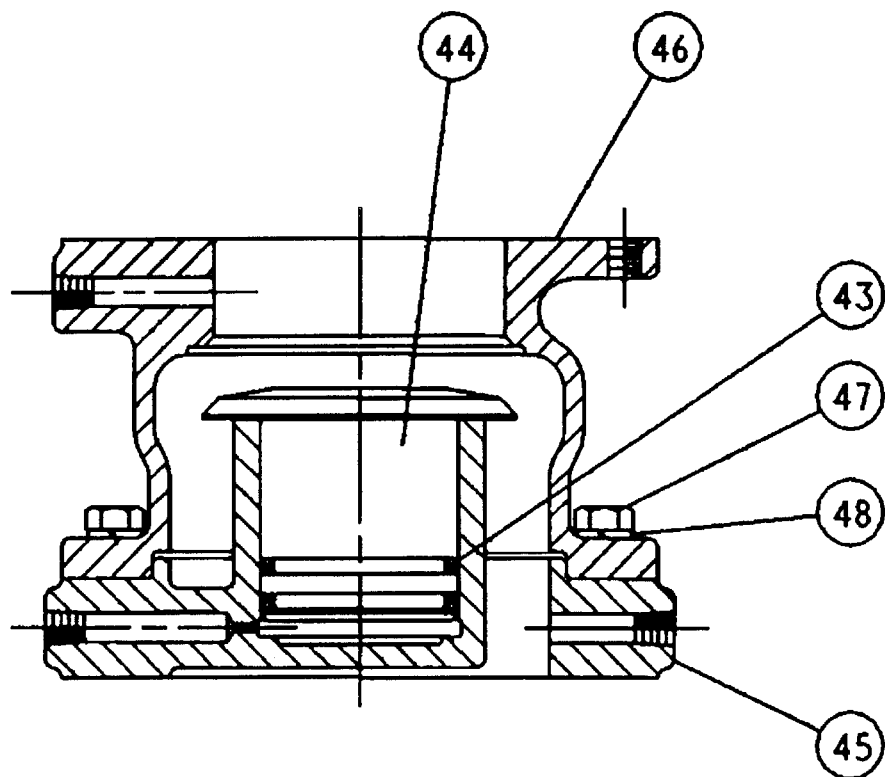


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BARE COMPRESSOR

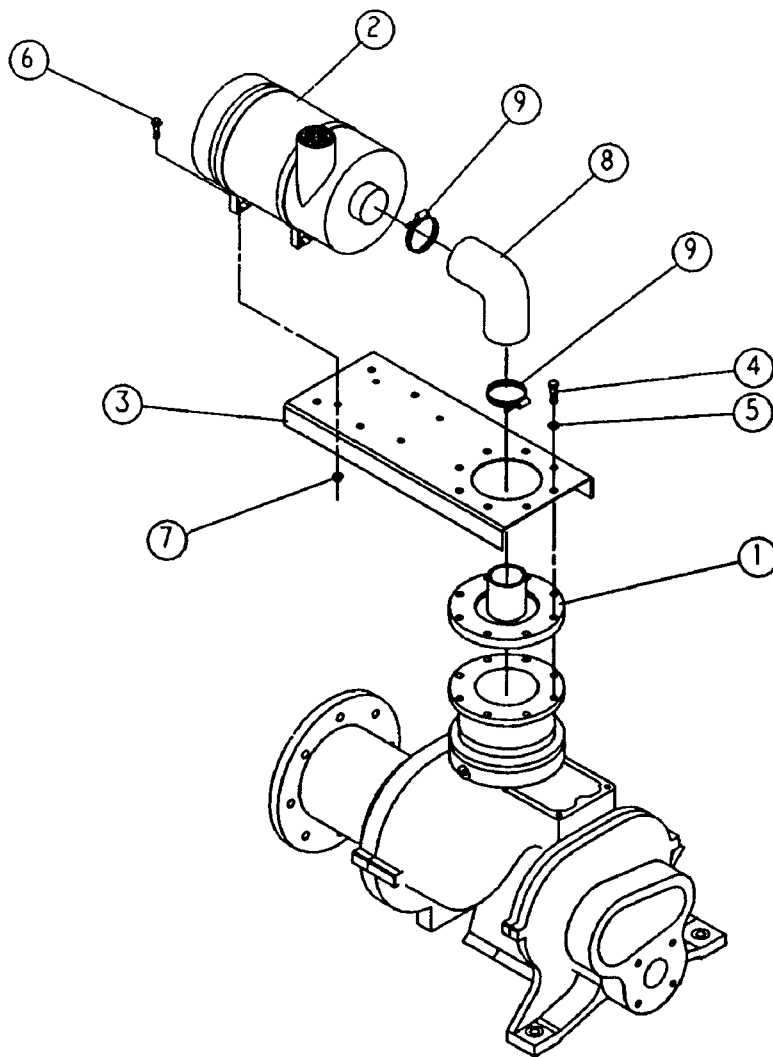
No.	Name of Part	Det.	Qty.	Part No.
35	COVER.....		2	202SSH225
36	GASKET		2	202SSH715N
37	COVER.....		1	201SSH225
38	GASKET		1	200SSH715N
39	SCREW-HEX CAP		28	655ED060
40	WASHER-LOCK.....		28	95B3
41	PLUG-SqHd PIPE.....		1	64AA5

Order by Part Number and Description. Reference Numbers are for your convenience only.



INLET VALVE GROUP

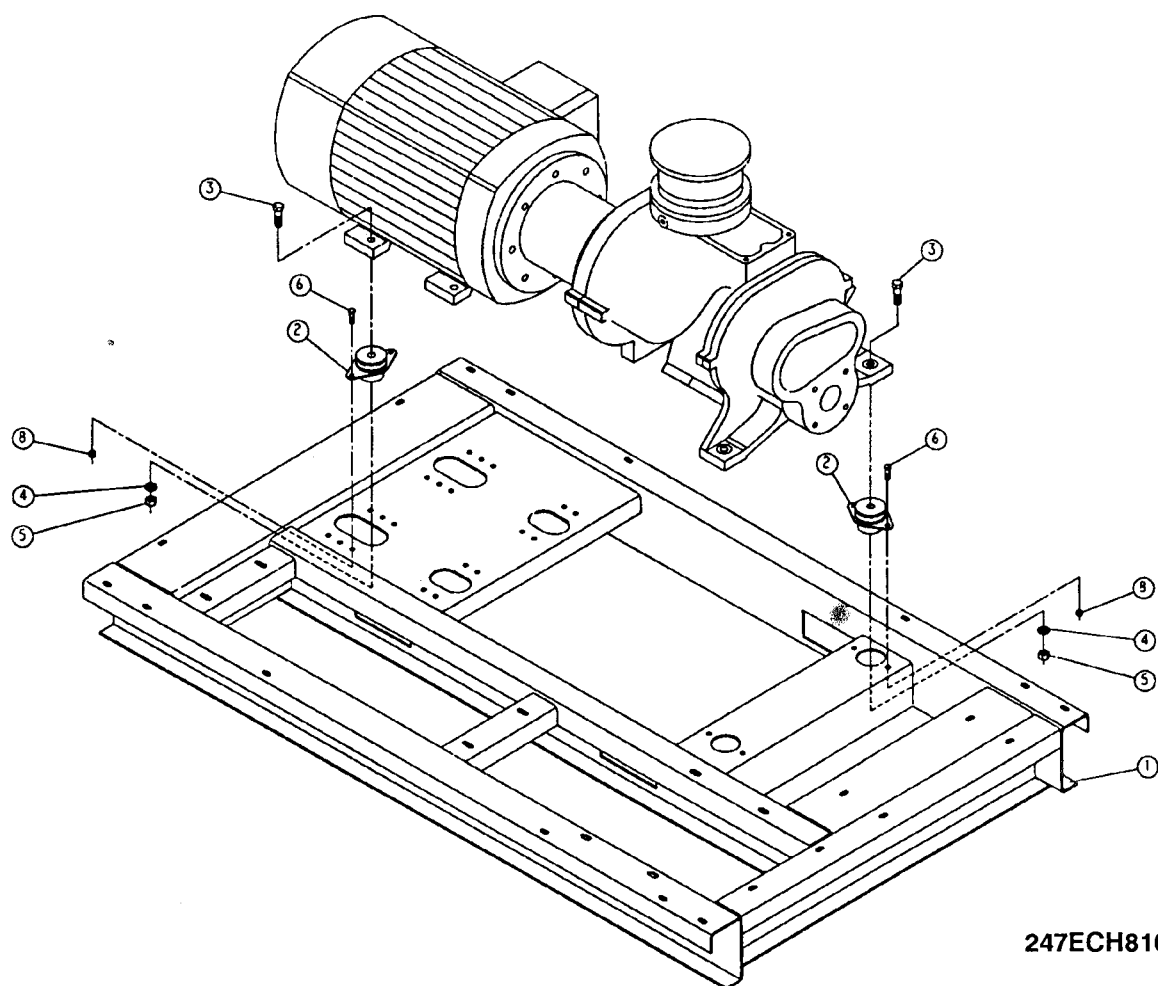
Ref. No.	Name of Part	Qty.	Part No.
43	PACKING-RING	2	60DD21
44	PISTON-INLET VALVE	1	200SSM043
45	HOUSING-INLET	1	202SSM041
46	SEAT	1	201SSM256
47	SCREW-HEX CAP	8	75A67
48	WASHER-LOCK.....	8	95B5



251ECH810

AIR FILTER

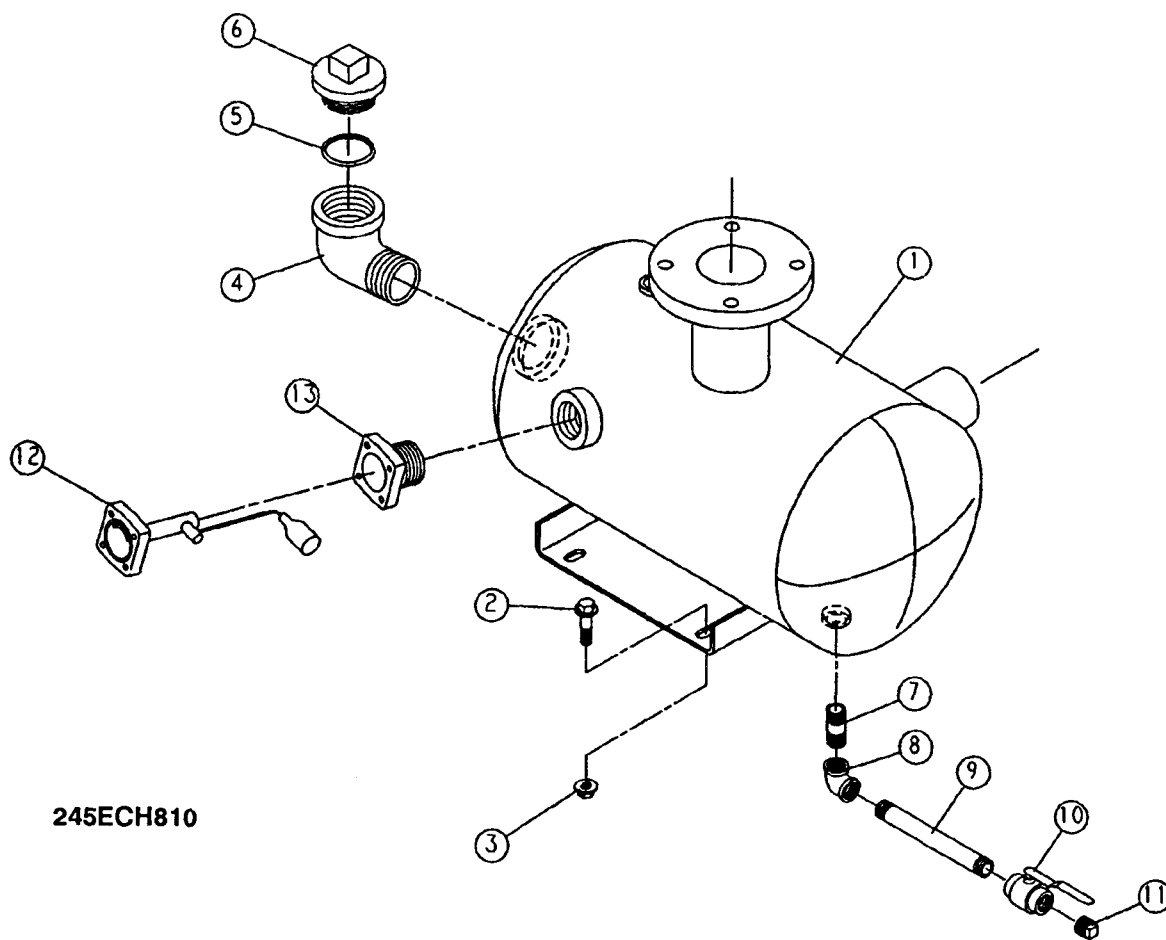
Det. No.	Description	Qty.	Part No.
1	ADAPTOR FILTER	1	203SSM070
2	FILTER-AIR	1	5B476
3	BRACKET-FILTER	1	204EAQ389
4	SCREW-HEX HD	8	655EE060
5	WASHER-LOCK.....	8	95B5
6	SCREW-FLANGED.....	4	75K48
7	NUT-FLANGED.....	4	50AW5
8	HOSE-MOLDED	1	29Z108
9	CLAMP-HOSE	2	29B36
*	REPAIR: ELEMENT, AIR FILTER	1	2010228
	* NOT SHOWN		



247ECH810

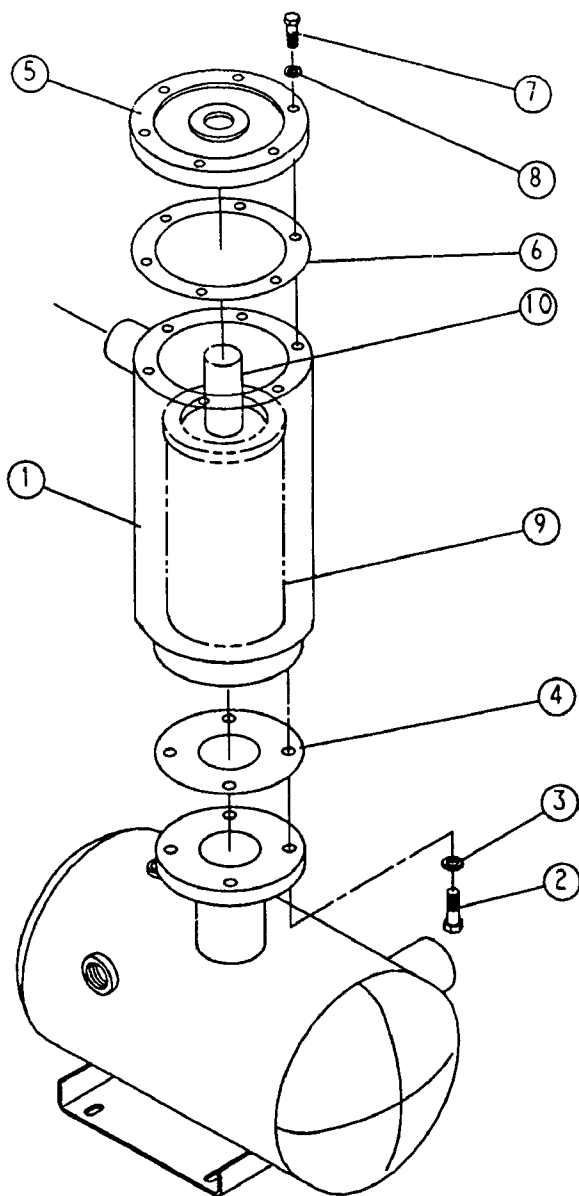
BASE GROUP

Det. No.	Description	Qty.	Part No.
1	BASE.....	1	202ECH285
2	ISOLATOR-VIB	4	49C46
3	SCREW-HEX CAP	4	655EF200
4	WASHER-LOCK.....	8	95B7
5	NUT-HEX	4	50B7
6	SCREW-FLANGED	8	75K48
8	NUT-FLANGED.....	8	50AW5
*	COUPLING-FLEX	1	51L58
* NOT SHOWN - Furnish (6) 2116477 for repair - See Page 36.			



Det. No.	Description	Qty.	Part No.
1	RESERVOIR.....	1	204ECH037
2	SCREW-FLANGED.....	4	75LM135
3	NUT-FLANGED.....	4	50AW35
4	ELBOW.....	1	200LSF262
5	O-RING.....	1	25AH5
6	COVER-FILLER.....	1	200SPF156
7	NIPPLE-PIPE.....	1	63F1G
8	ELBOW-PIPE.....	1	64C4G
9	NIPPLE-PIPE.....	1	63F16G
10	VALVE-BALL.....	1	90AR360
11	PLUG-SqHd PIPE.....	1	64AA7
12	GAUGE-FLOAT.....	1	200ECH303
13	ADAPTOR-GAUGE.....	1	200EDE058

REPAIR: FLOAT GAUGE GASKET - 54C204

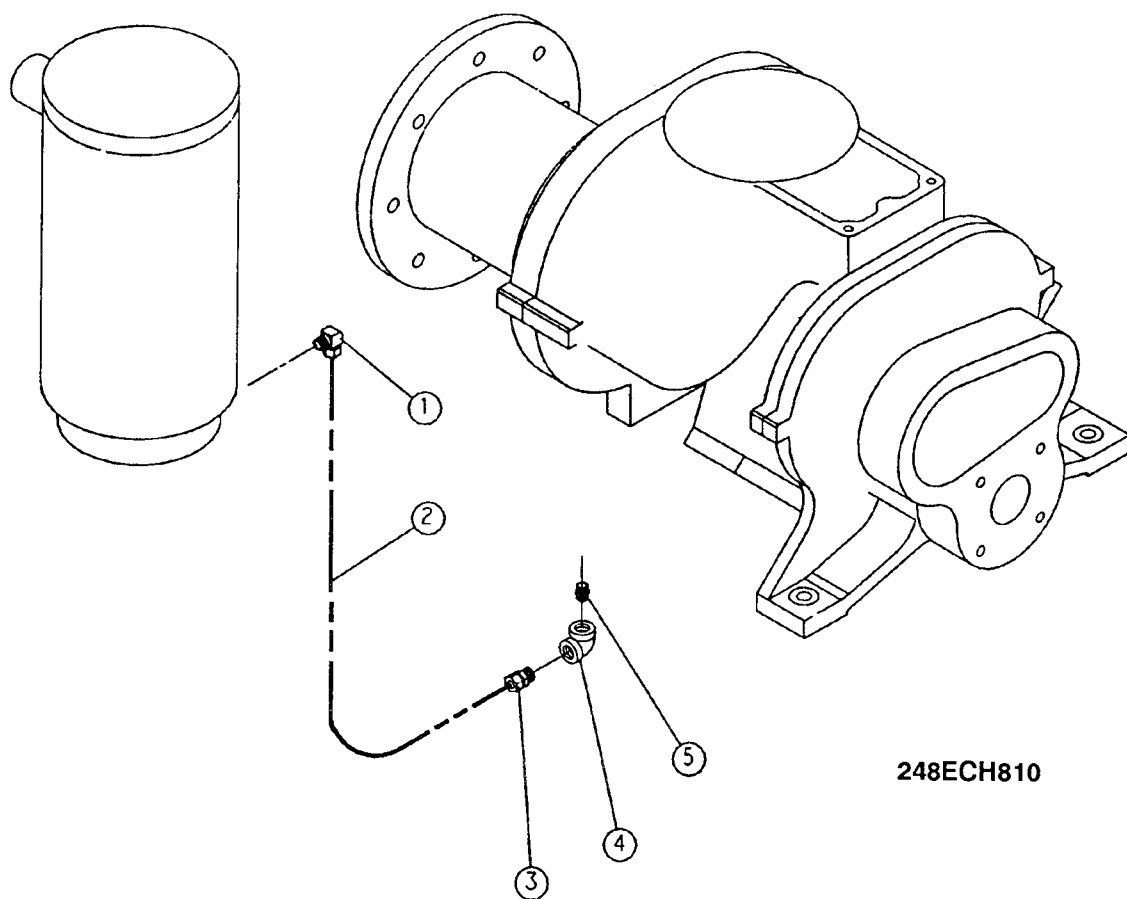


Det. No.	Name of Part	Qty.	Part No.
1	HOUSING	1	200ECH405
2	SCREW-HEX HD	4	655EF070
3	WASHER-LOCK.....	4	95B7
4	GASKET RING	1	25C802
5	COVER.....	1	203ECM225
6	GASKET	1	25C1788N
7	SCREW-HEX CAP	6	75A39
8	WASHER-LOCK.....	6	95B5
9	SEPARATOR.....	1	55B40
10	NIPPLE-PIPE	1	63AM24X46G
11	ELBOW-PIPE ST.....	1	64D10G

NOTE:

SEPARATOR REPAIR KIT:
200ECH6013
(INCL. 55B40 SEPARATOR & 25C1788N GASKET)

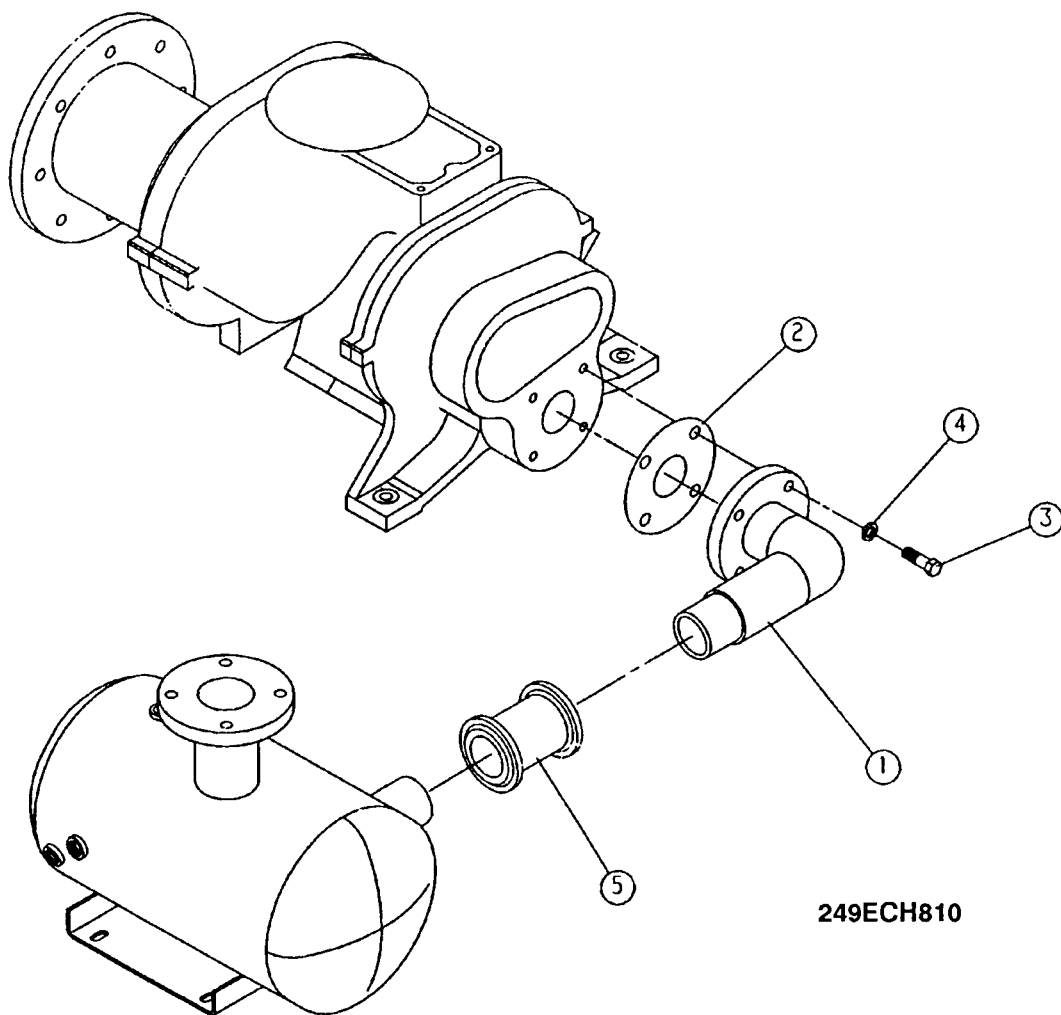
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248ECH810

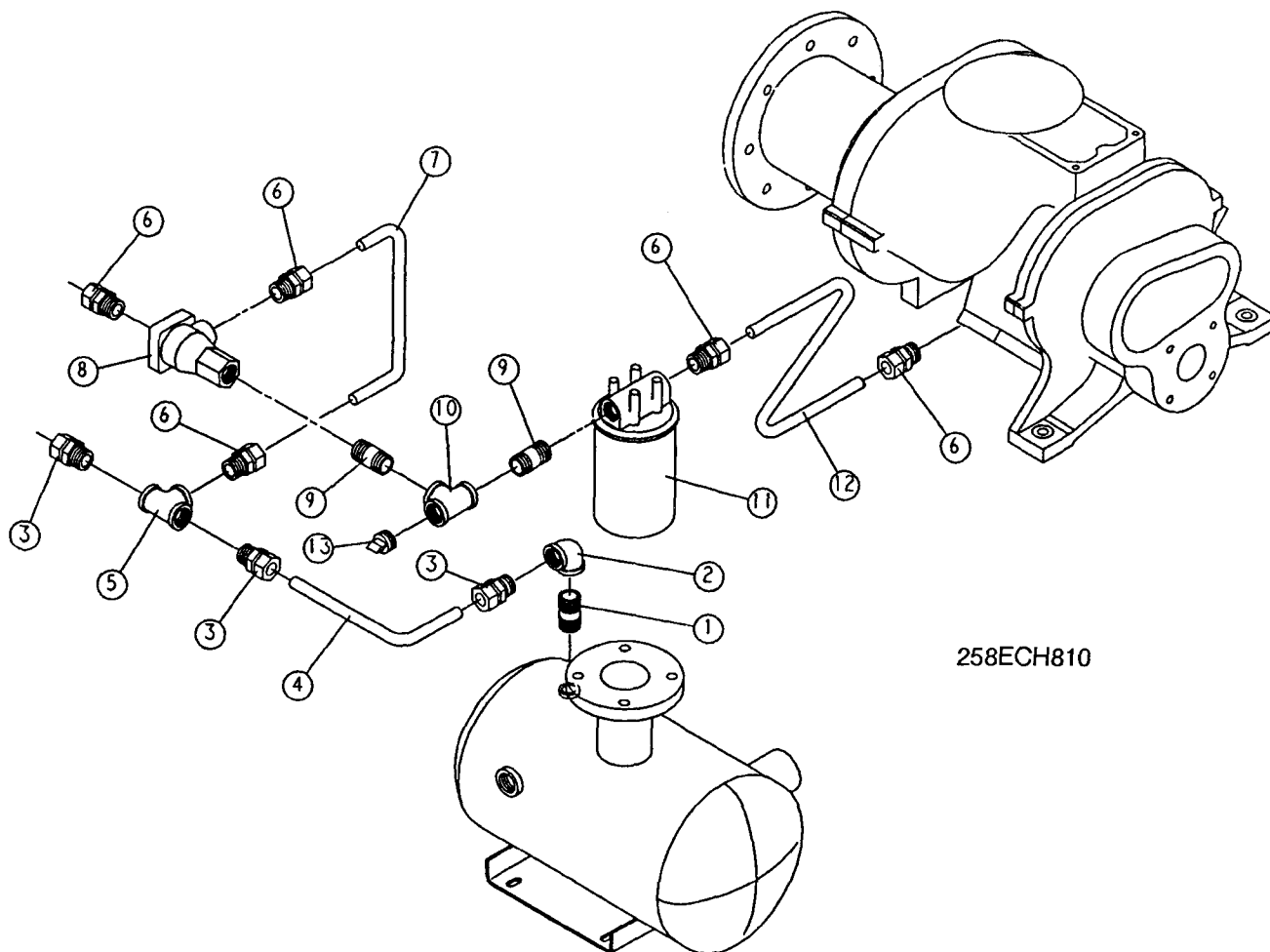
OIL RETURN LINE

Det. No.	Description	Qty.	Part No.
1	ELBOW-TUBE.....	1	86E60
2	TUBE.....	10	85K3
3	CONNECTOR-TUBE	1	86E4
4	TEE-PIPE	1	64G3G
5	VALVE-CHECK.....	1	90AR261
6	NIPPLE-PIPE	1	63C1G
7	BUSHING-PIPE	1	64E44



DISCHARGE MANIFOLD

Det. No.	Description	Qty.	Part No.
1	MANIFOLD	1	201ECM286
2	GASKET RING	1	25C1230N
3	SCREW-HEX HD	4	655EF070
4	WASHER-LOCK.....	4	95B7
5	COUPLING-FLEX	1	64EB57

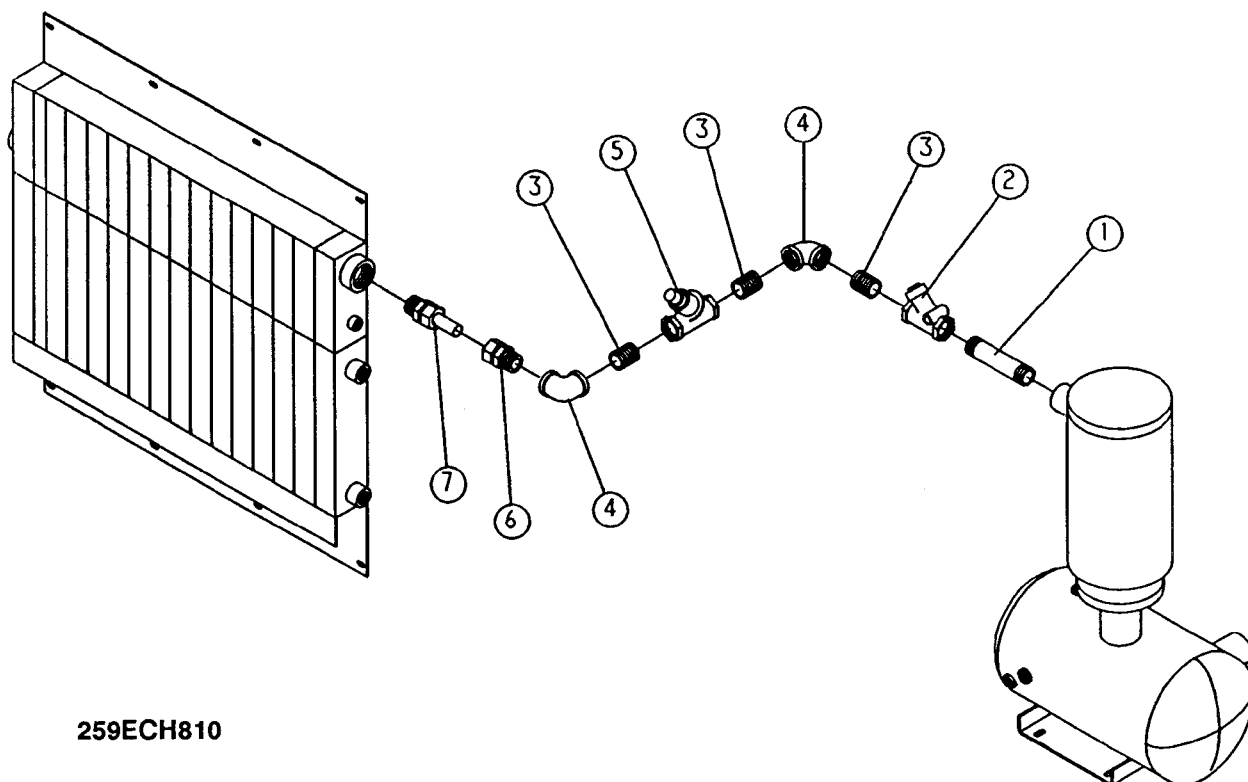


258ECH810

REPAIR: OIL FILTER ELEMENT P/N 2116110; See Page 23 for Therm Valve Parts

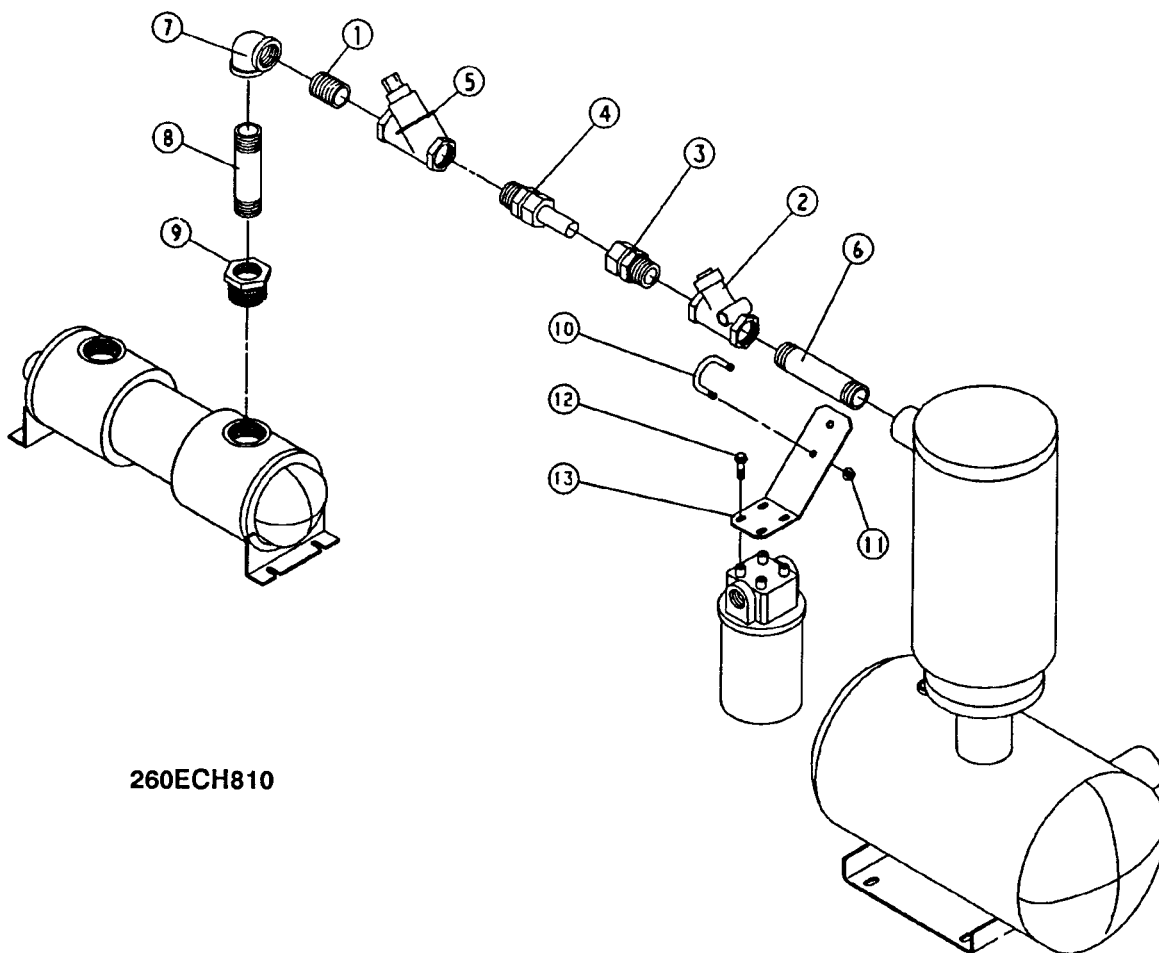
OIL PIPING

Det. No.	Description	Qty.	Part No.
1	NIPPLE-PIPE	1	63H26G
2	ELBOW-PIPE	1	64C6G
3	CONNECTOR-TUBE	3	86N95
4	TUBE	1	240ECH857
5	TEE-PIPE	1	64G8G
6	CONNECTOR-TUBE	5	86N95
7	TUBE	1	241ECH857
8	VALVE-THERM	1	90AR166
9	PIPE-NIPPLE	2	63H2G
10	TEE-PIPE	1	64G8G
11	FILTER-OIL	1	26C26
12	TUBE	1	242ECH857
13	PLUG-SQHD PIPE	1	64AA1



AIR COOLED DISCHARGE PIPING

Det. No.	Description	Qty.	Part No.
1	NIPPLE-PIPE	1	63J21G
2	VALVE-CHECK	1	90J131
3	NIPPLE-PIPE	3	63J15G
4	ELBOW-PIPE	2	64C7G
5	VALVE-M/PRESS.....	1	200ECH527
6	CONNECTOR-TUBE	1	86N234
7	ADAPTOR-TUBE	1	86N235

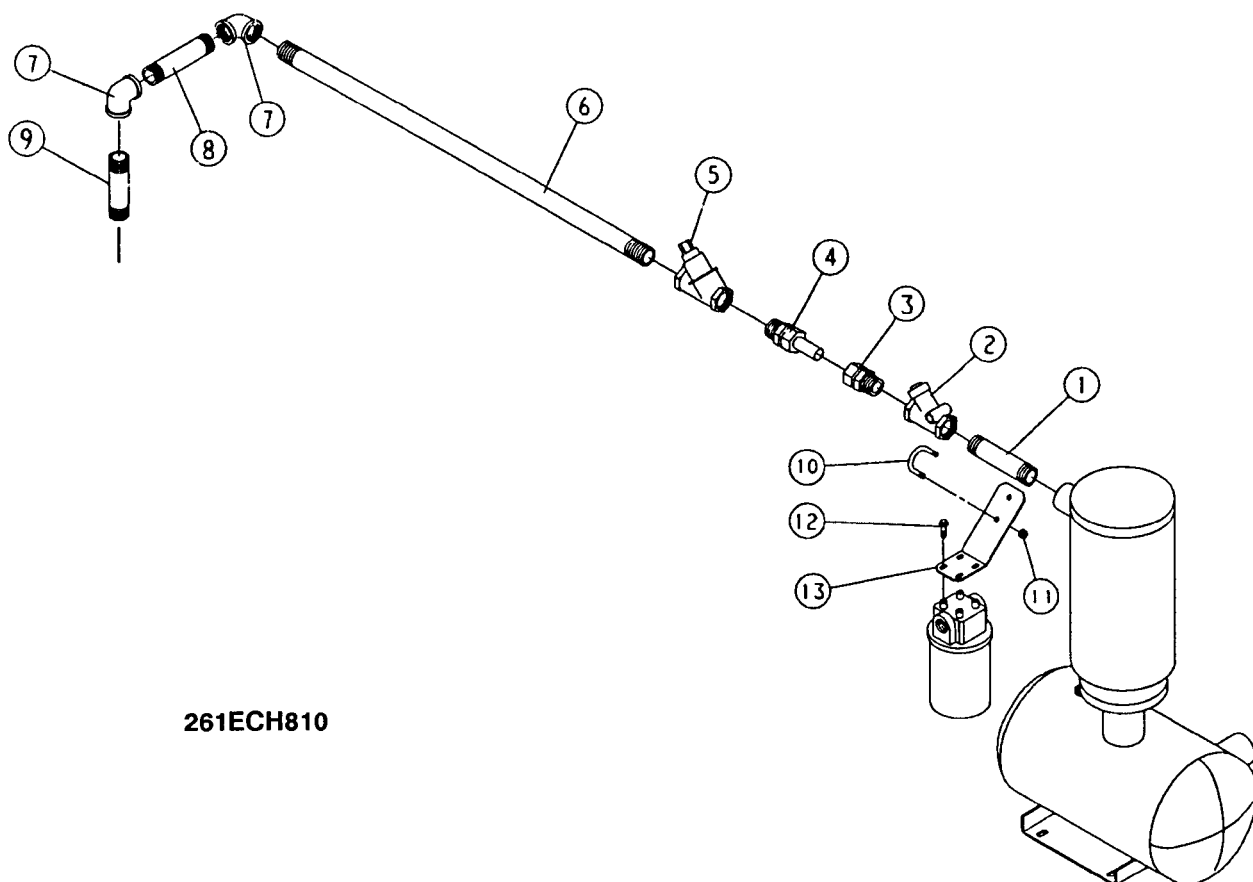


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WATER COOLED DISCHARGE PIPING

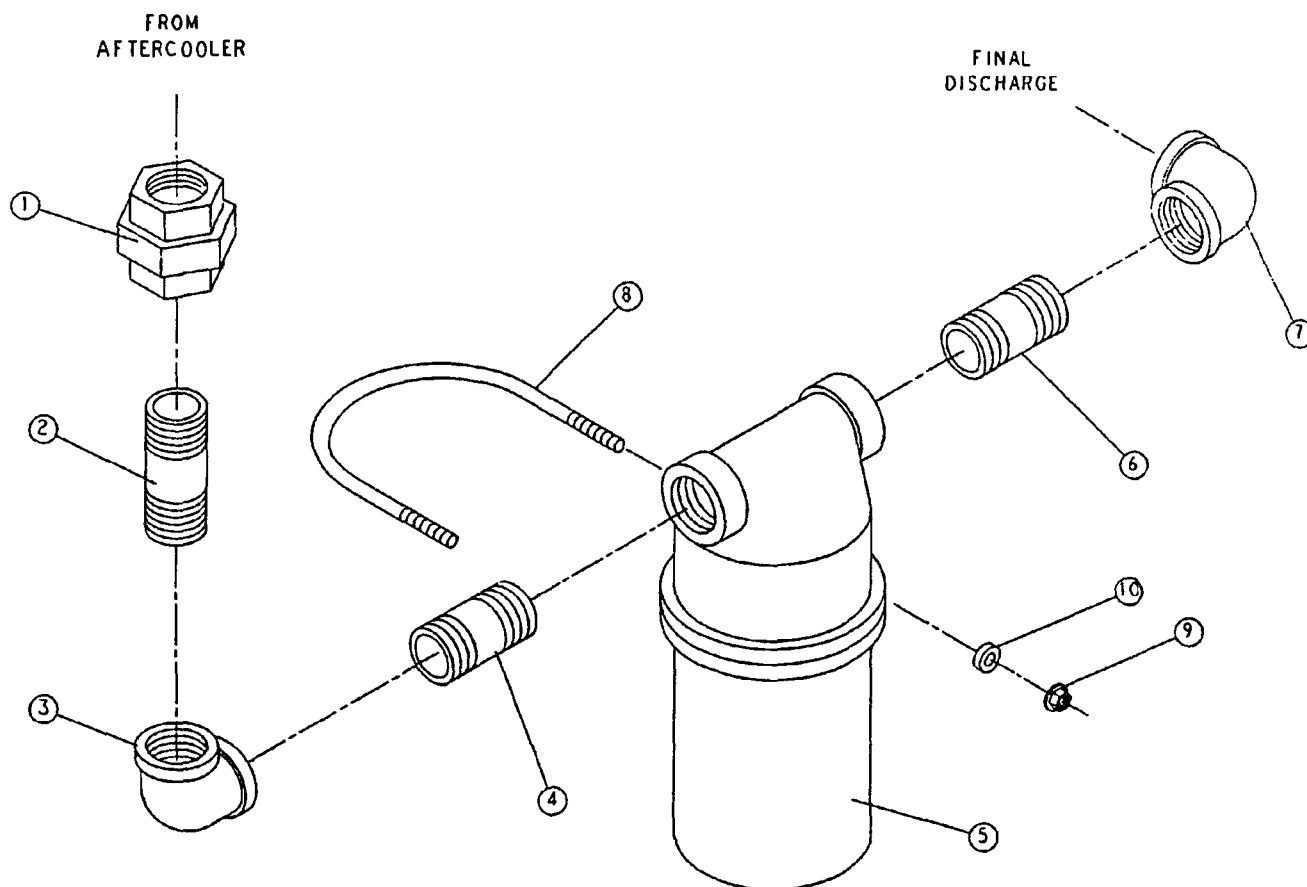
Det. No.	Description	Qty.	Part No.
1	NIPPLE-PIPE	1	63AA13G
2	VALVE-CHECK	1	90J131
3	CONNECTOR-TUBE	3	86N234
4	ADAPTOR-TUBE	1	86N235
5	VALVE-M/PRESS	1	200ECH527
6	NIPPLE-PIPE	1	63J4G
7	ELBOW-PIPE	1	64C7G
8	NIPPLE-PIPE	1	63J5G
9	BUSHING-PIPE	1	64E31
10	BOLT-U	1	15U72
11	NUT-FLANGED	2	50AW5
12	SCREW-FLANGED	4	75K54
13	BRACKET-FILTER	1	200ECH389

NOTE: See Page 26 for M/Press Valve Components.



Det. No.	Description	Qty.	Part No.
1	NIPPLE-PIPE.....	1	63J4G
2	VALVE-CHECK.....	1	90J131
3	CONNECTOR-TUBE.....	1	86N234
4	ADAPTOR-TUBE.....	1	86N235
5	VALVE-M/PRESS.....	1	200ECH527
6	NIPPLE-PIPE.....	1	63N20X322G
7	ELBOW-PIPE.....	2	64C7G
8	NIPPLE-PIPE.....	1	63J35G
9	NIPPLE-PIPE.....	1	63J5G
10	BOLT-U.....	1	15U72
11	NUT-FLANGED.....	2	50AW5
12	SCREW-FLANGED.....	4	75K54
13	BRACKET-FILTER.....	1	200ECH389

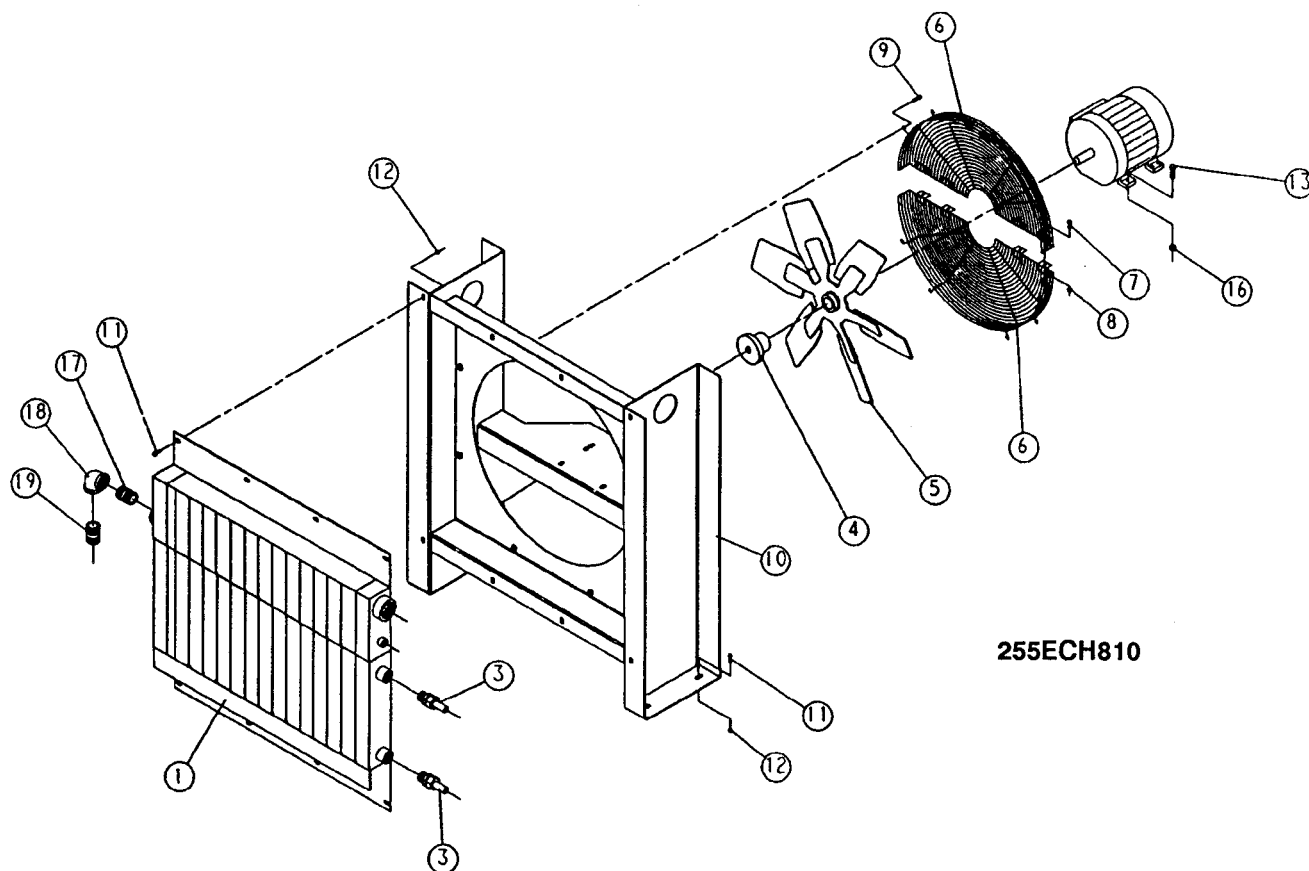
NOTE: See Page 26 for M/Press Valve Components.



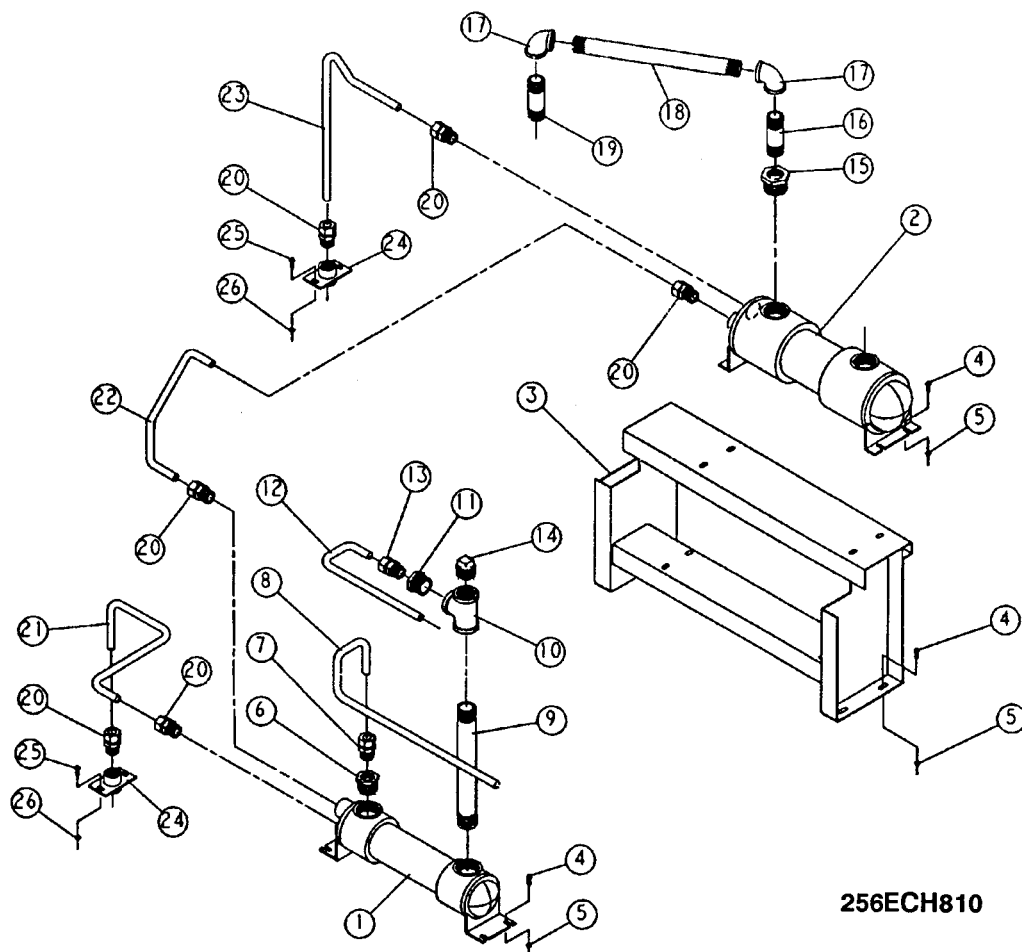
250ECH810

FINAL DISCHARGE PIPING

Det. No.	Description	Qty.	Part No.
1	UNION-STRAIGHT	1	64Z5G
2	NIPPLE-PIPE	1	63J28G
3	ELBOW-PIPE	1	64C7G
4	NIPPLE-PIPE	1	63J16G
5	TRAP	1	83C83
6	NIPPLE-PIPE	1	63AA13G
7	ELBOW-PIPE	1	64C7G
8	BOLT-U	1	15U94
9	NUT-FLANGED	2	50AW5
10	RETAINER	2	2014731



Det. No.	Description	Qty.	Part No.
AIR COOLED OIL COOLER			
1	COOLER-OIL	1	206ECH201
3	ADAPTOR-TUBE	2	86N239
4	BUSHING-HUB	1	22G4
5	FAN	1	200ESJ701
6	GUARD-FAN	1	202ECH393
7	SCREW-FLANGED	4	75LM50
8	NUT-FLANGED	4	50AW4
9	SCREW-FLANGED	8	75LM51
10	SUPPORT	1	200ECH165
11	SCREW-FLANGED	10	75LM51
12	NUT-FLANGED	10	50AW5
13	SCREW-FLANGED	4	75LM97
17	NIPPLE-PIPE	1	63J16G
18	ELBOW-TUBE	1	64C7G
19	NIPPLE-PIPE	1	63J7G

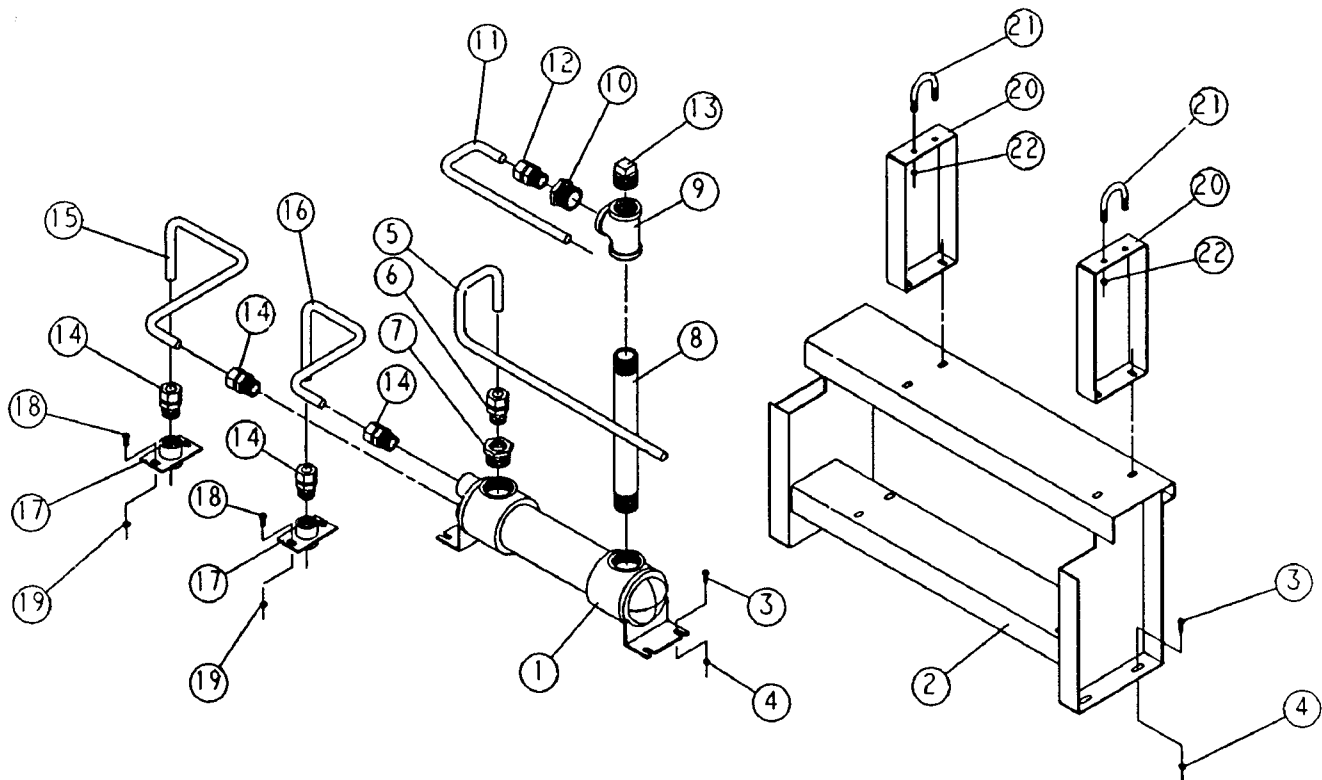


256ECH810

Det. No.	Description	Qty.	Part No.
1	HEAT EXCHANGER	1	200ECH349
2	AFTERCOOLER	1	201ESG292
3	SUPPORT	1	201ECH165
4	SCREW-FLANGED	12	75LM51
5	NUT-FLANGED	12	50AW5
6	BUSHING-PIPE	1	64E13
7	CONNECTOR-TUBE	1	86N95
8	TUBE	1	244ECH857
9	NIPPLE-PIPE	1	63K13G
10	TEE-PIPE	1	64G11G
11	BUSHING-PIPE	1	64E13
12	TUBE	1	243ECH857
13	CONNECTOR-TUBE	1	86N95
14	PLUG-SQHD PIPE	1	64AA2
15	BUSHING-PIPE	1	64E31
16	NIPPLE-PIPE	1	63J28G
17	ELBOW-PIPE	1	64C7G
18	NIPPLE-PIPE	1	63N20X174G
19	NIPPLE-PIPE	1	63J13G
20	CONNECTOR-TUBE	6	86N95
21	TUBE	1	245ECH857
22	TUBE	1	246ECH857
23	TUBE	1	247ECH857
24	MANIFOLD-WATER	2	200ECM072
25	SCREW-FLANGED	4	75LM51
26	NUT-FLANGED	4	50AW5

OPTIONAL ITEMS:

WATER TEMP. REGULATOR - 90AR326
 WATER SOLENOID VALVE - 90AC118 (N1)
 WATER SOLENOID VALVE - 90AC103 (N4)



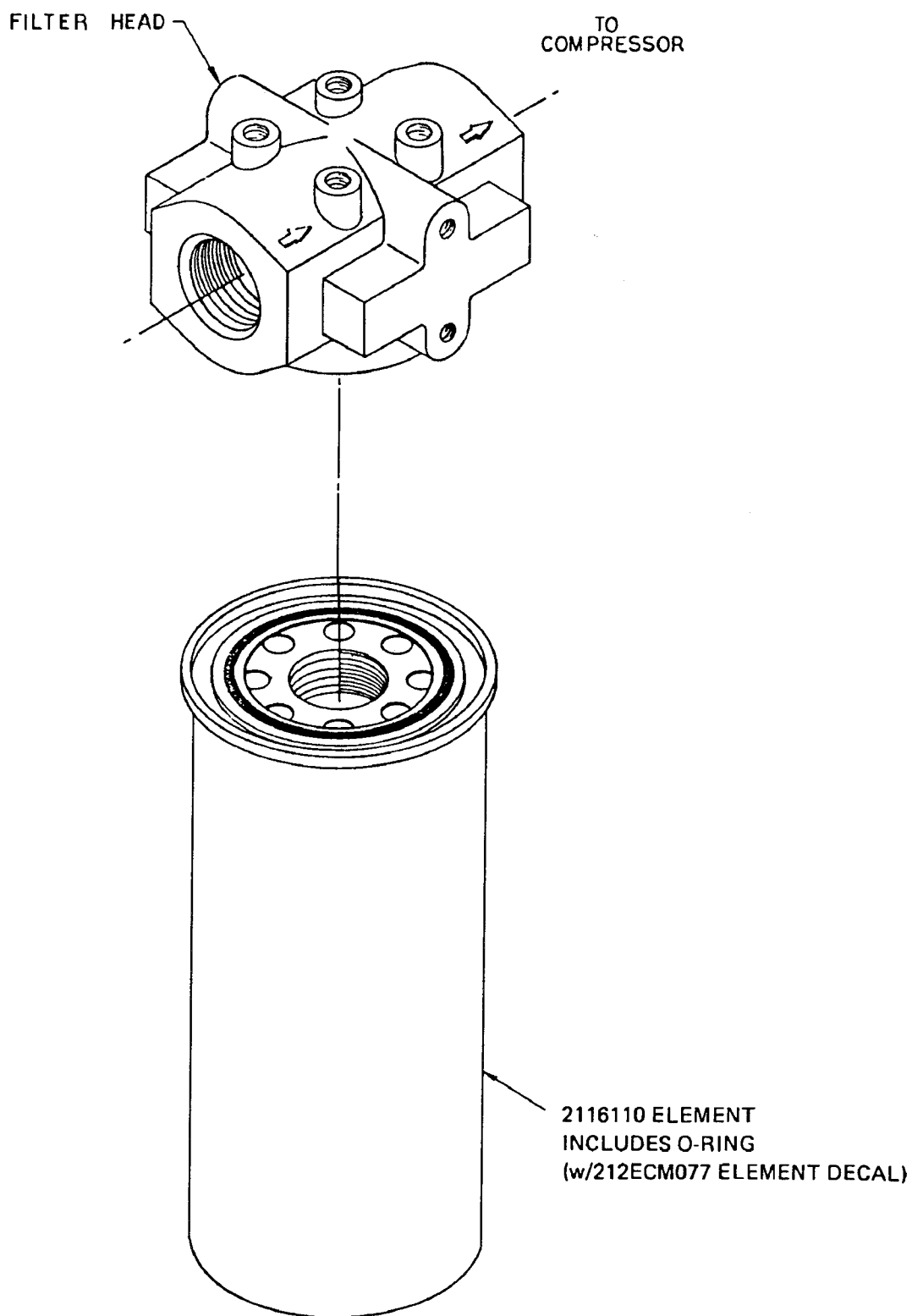
257ECH810

Det. No.	Description	Qty.	Part No.
1	HEAT EXCHANGER	1	200ECH349
2	SUPPORT	1	201ECH165
3	SCREW-FLANGED	8	75LM51
4	NUT-FLANGED	8	50AW5
5	TUBE	1	244ECH857
6	CONNECTOR-TUBE	1	86N95
7	BUSHING-PIPE	1	64E13
8	NIPPLE-PIPE	1	63K13G
9	TEE-PIPE	1	64G11G
10	BUSHING-PIPE	1	64E13
11	TUBE	1	243ECH857
12	CONNECTOR-TUBE	4	86N95
13	PLUG-SQHD PIPE	1	64AA2
14	CONNECTOR-TUBE	4	86N95
15	TUBE	1	245ECH857
16	TUBE	1	248ECH857
17	MANIFOLD-WATER	2	200ECM072
18	SCREW-FLANGED	4	75LM51
19	NUT-FLANGED	4	50AW5
20	BRACKET-PIPE	2	200ECH108
21	BOLT-U	2	15U58
22	NUT-FLANGED	4	50AW5
24	GRP-PIPING	1	ECH81777

OPTIONAL ITEMS:

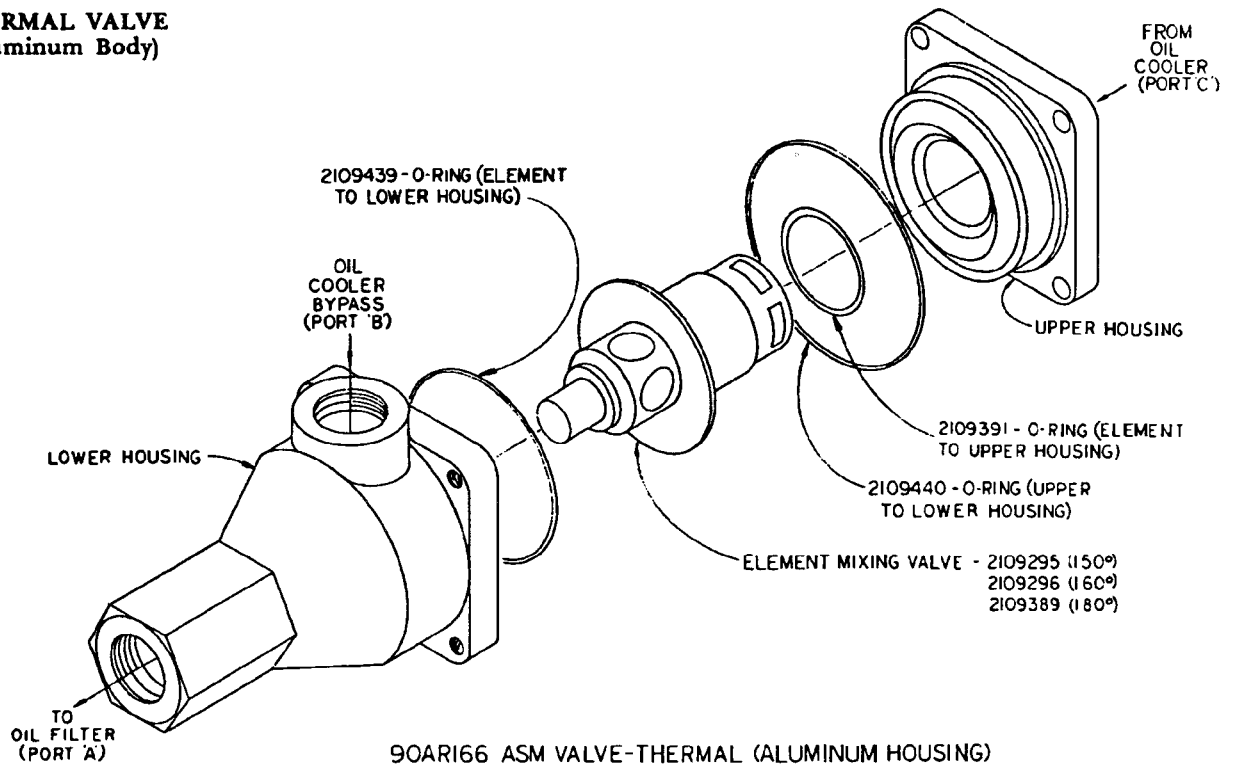
WATER TEMP. REGULATOR - 90AR326
 WATER SOLENOID VALVE - 90AC118 (N1)
 WATER SOLENOID VALVE - 90AC103 (N4)

OIL FILTER - 26C26

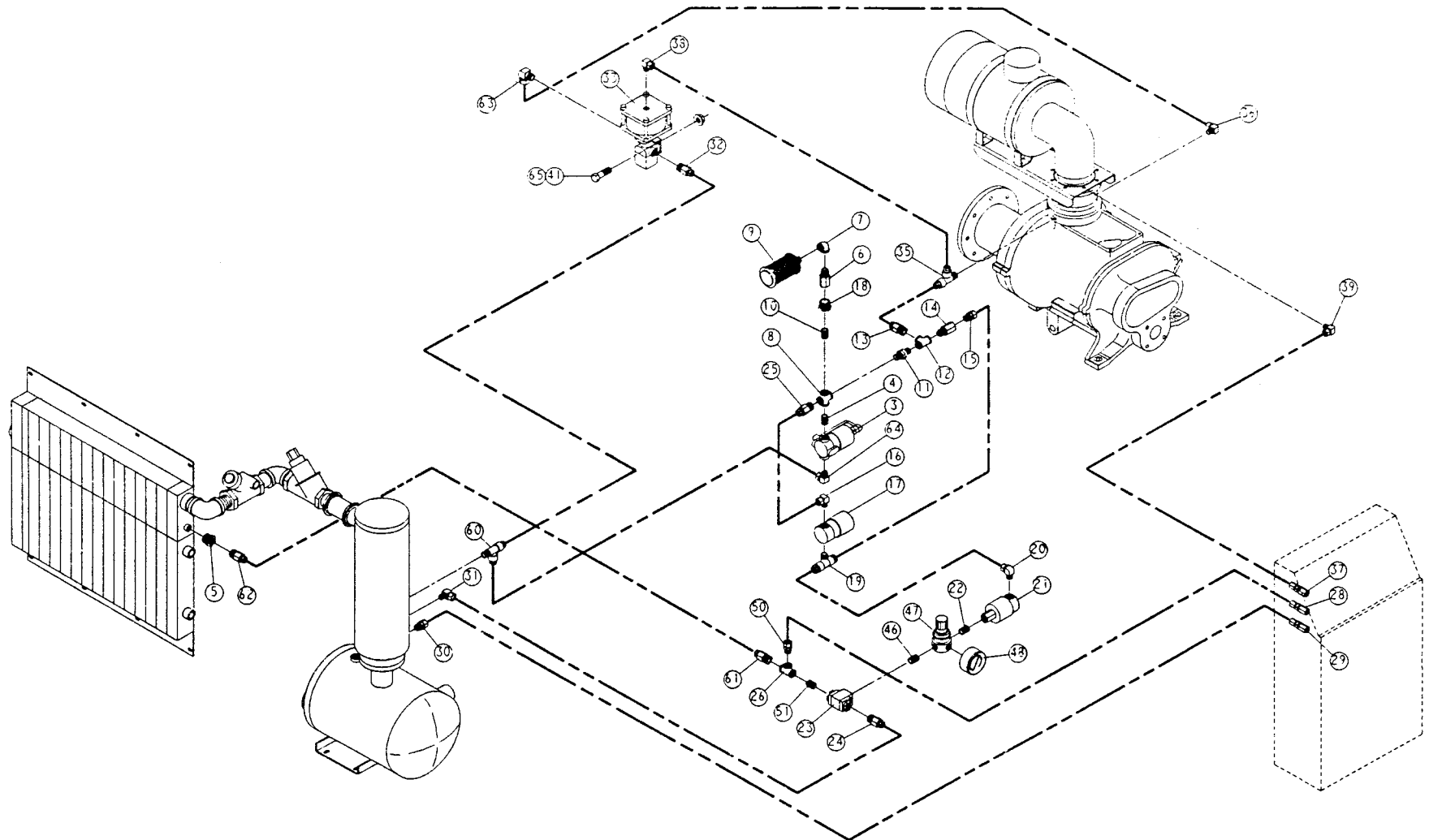


THERMAL VALVE (THERMOSTATIC MIXING)

THERMAL VALVE (Aluminum Body)



CONTROL SCHEMATIC

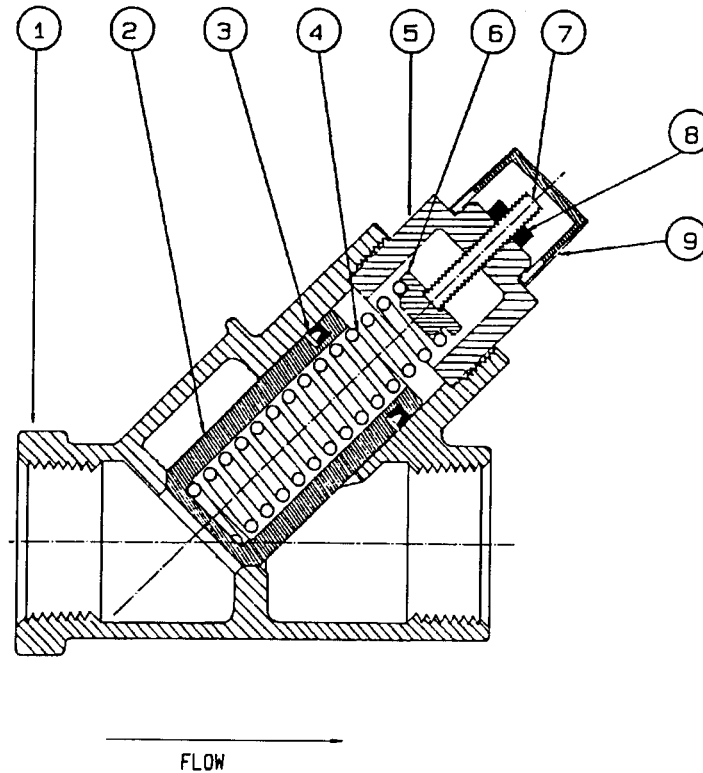


287ECM810

Det. No.	Description	Qty. Req.	Part No.
1	SCREW-FLANGED	4	75LM51
2	ELBOW-TUBE	1	86E60
3	VALVE-SOLENOID	1	91B70
4	NIPPLE-PIPE	1	63D1G
5	BUSHING-PIPE	1	64E2
6	ORIFICE	1	200ECM814
7	ELBOW-PIPE	1	64C4G
8	CROSS-PIPE	1	64K1G
9	MUFFLER	1	43E6
10	NIPPLE-PIPE	1	63D1G
11	VALVE-CHECK	1	90AR261
12	TEE-PIPE	1	64G3G
13	CONNECTOR-TUBE	1	86E9
14	ORIFICE	1	2011768
15	CONNECTOR-TUBE	1	86E4
16	ELBOW-TUBE	1	86E60
17	VALVE, SOLENOID	1	91B80
18	BUSHING-PIPE	1	64E2
19	TEE-TUBE	1	86E119
20	ELBOW-TUBE	1	86E60
21	VALVE, SOLENOID	1	91B81
22	NIPPLE-PIPE	1	63D1G
23	VALVE	1	90AR107
24	CONNECTOR-TUBE	1	86E9
25	CONNECTOR-TUBE	1	86E4
26	TEE-PIPE	1	64G3G
27	CONNECTOR-TUBE	1	86E9
28	CONNECTOR	1	86N218

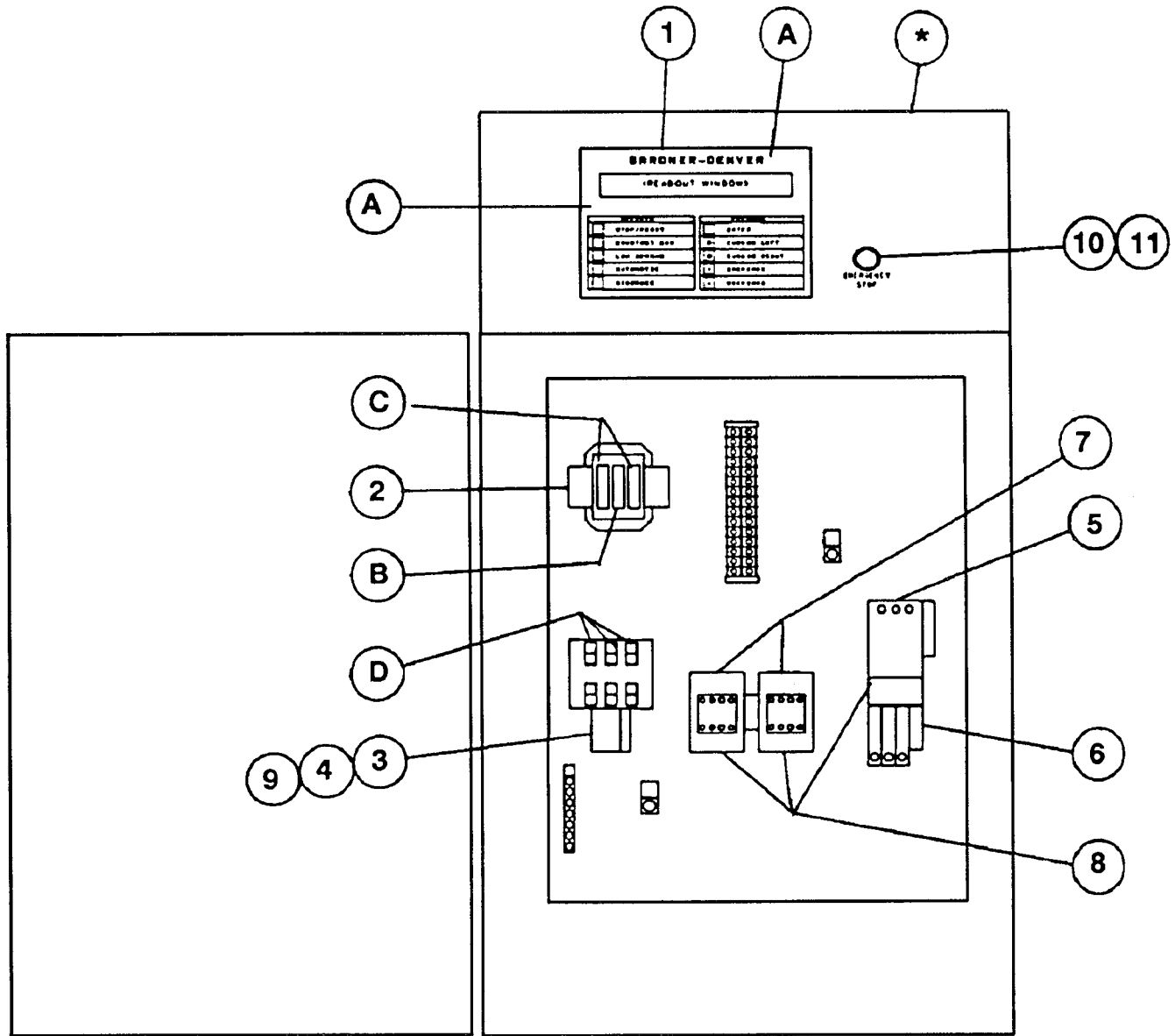
Det. No.	Description	Qty. Req.	Part No.
29	CONNECTOR	1	86N218
30	CONNECTOR-TUBE	1	86E4
31	ELBOW-TUBE	1	86E64
32	CONNECTOR-TUBE	1	86E9
33	VALVE-AIR CONT	1	90AR35
34	CONNECTOR-TUBE	1	86E9
35	TEE-TUBE	1	86E136
36	ELBOW-TUBE	1	86E64
37	CONNECTOR	1	86N218
38	ELBOW-TUBE	1	86E64
39	ELBOW-TUBE	1	86E60
41	NUT-FLANGED	2	50AW3
43	TUBE	20 FT.	85K3
44	TUBE	24 FT.	85K5
46	NIPPLE-PIPE	1	63D1G
47	REGULATOR-PRESSURE	1	88H139
50	CONNECTOR-TUBE	1	86E4
51	NIPPLE-PIPE	1	63D1G
55	SEAL PLUG	1	24CA2597
59	NUT-FLANGED	4	50AW5
60	TEE-TUBE	1	86E136
61	CONNECTOR-TUBE	1	86E9
62	CONNECTOR-TUBE	1	86E9
63	ELBOW-TUBE	1	86E64
64	ELBOW-TUBE	1	86E64
65	SCREW-SqHd CAP	2	75P4

Order by Part Number and Description. Reference Numbers for your convenience only.



MINIMUM PRESSURE VALVE 200ECH527

Det. No.	Name of Part	Qty.	Part No.
1	VALVE HOUSING	1	-----
2	VALVE	1	2116230
3	U-CUP, 1" ID x 3/16 CS-NEOPRENE	1	2116231
4	SPRING	1	2116232
5	END CLOSURE.....	1	-----
6	SPRING REST.....	1	-----
7	1/4-20NC - 2A x 1-1/4 SCREW	1	-----
8	NUT 1/4-20NC.....	1	-----
9	KNOB	1	-----

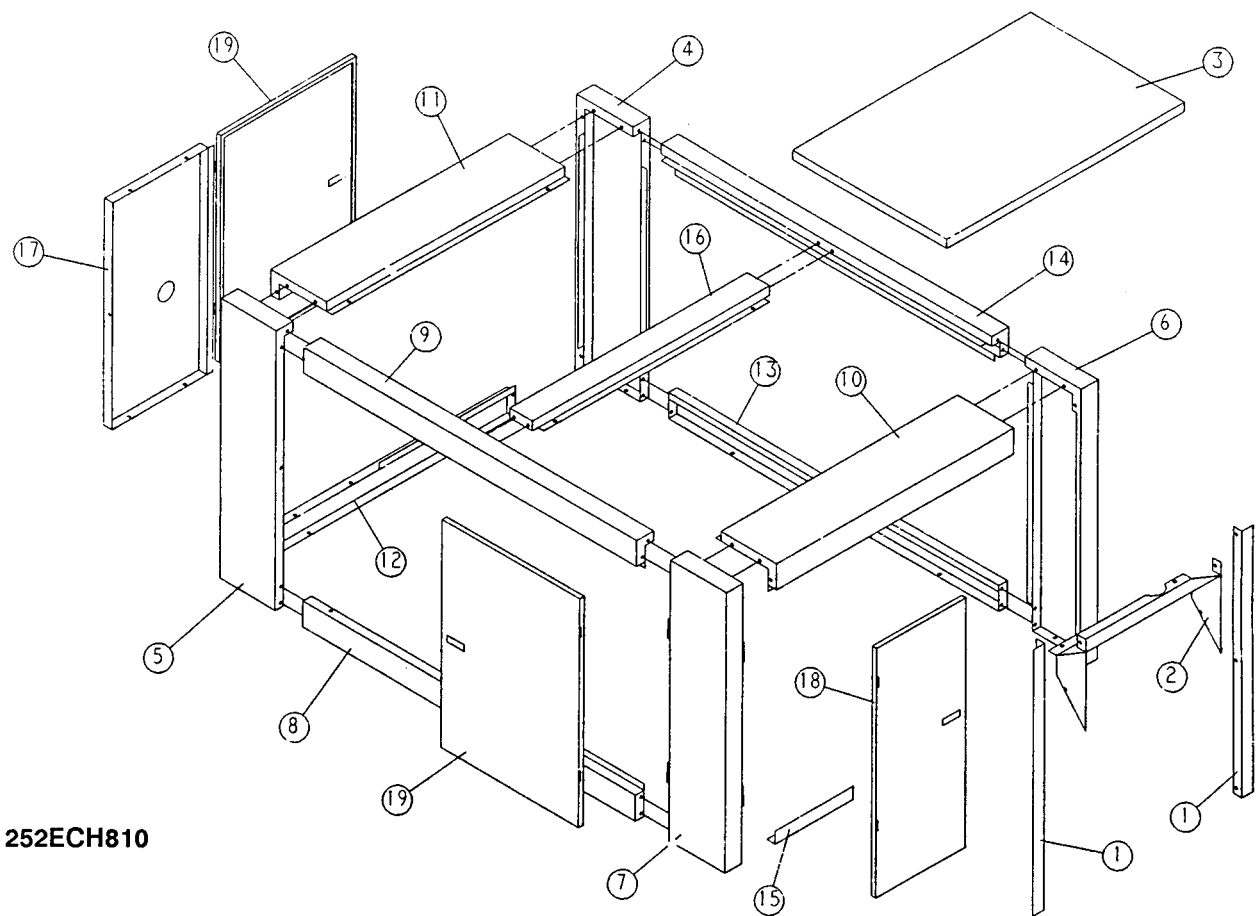


**CONTROLLER ASSEMBLY
- 40 H.P. UNITS -**

	QTY.	200V	230V	460V	575V	380V
* ASSEMBLED PANEL: NEMA 12.....	1	255ECH466	253ECH466	252ECH466	258ECH466	257ECH466
* ASSEMBLED PANEL: NEMA 4.....	1	263ECH466	261ECH466	260ECH466	266ECH466	265ECH466
A FUSE, CONTROL BOARD	2	24CA3257	24CA3257	24CA3257	24CA3257	24CA3257
B FUSE, TRANSFORMER SECONDARY.....	1	24CA2915	24CA2915	24CA2915	24CA2915	24CA2915
C FUSE, TRANSFORMER PRIMARY	2	24CA617	24CA617	24CA276	24CA2621	24CA276
D FUSE, FAN MOTOR, AIR COOLED.....	3	24CA2477	24CA2477	24CA2476	24CA2476	24CA2477
D FUSE, FAN MOTOR, WATER COOLED.....	3	24CA2476	24CA2476	24CA2475	24CA2475	24CA2476
1 ELECTRONIC CONTROLLER ASSEMBLY	1	200EAP1173	200EAP1173	200EAP1173	200EAP1173	200EAP1173
2 CONTROL TRANSFORMER, 105VA.....	1	2116371	2116372	2116372	2116373	2116374
3 STARTER, FAN MOTOR	1	24CA3256	24CA3256	24CA3256	24CA3256	24CA3256
4 HEATER, MAIN MOTOR OVERLOAD AIR-COOLED	3	24CA2485	24CA2484	24CA2482	24CA2482	24CA2483
4 HEATER, MAIN MOTOR OVERLOAD WATER-COOLED	3	24CA2482	24CA2482	24CA2480	24CA2480	24CA2481
5 STARTER, MAIN MOTOR.....	1	24CA3175	24CA3175	24CA3174	24CA3174	24CA3175
6 HEATER, FAN MOTOR OVERLOAD 40 HP	3	24CA2608	24CA2608	24CA2604	24CA2604	24CA2605
7 CONTACTOR, MAIN MOTOR - WYE DELTA	2	24CA3258	24CA3258	24CA2609	24CA2609	25CA3258
8 REPLACEMENT COIL FOR ITEMS 5 & 7	(3)	2116554	2116554	2115950	2115950	2116554
9 REPLACEMENT COIL FOR ITEM 3.....	(1)	2115950	2115950	2115950	2115950	2115950
10 OPERATOR, 22mm PUSH-PULL E-STOP.....	1	24CA2907	24CA2907	24CA2907	24CA2907	24CA2907
11 CONTACT BLOCK E22B1 SPNC.....	1	24CA2908	24CA2908	24CA2908	24CA2908	24CA2908

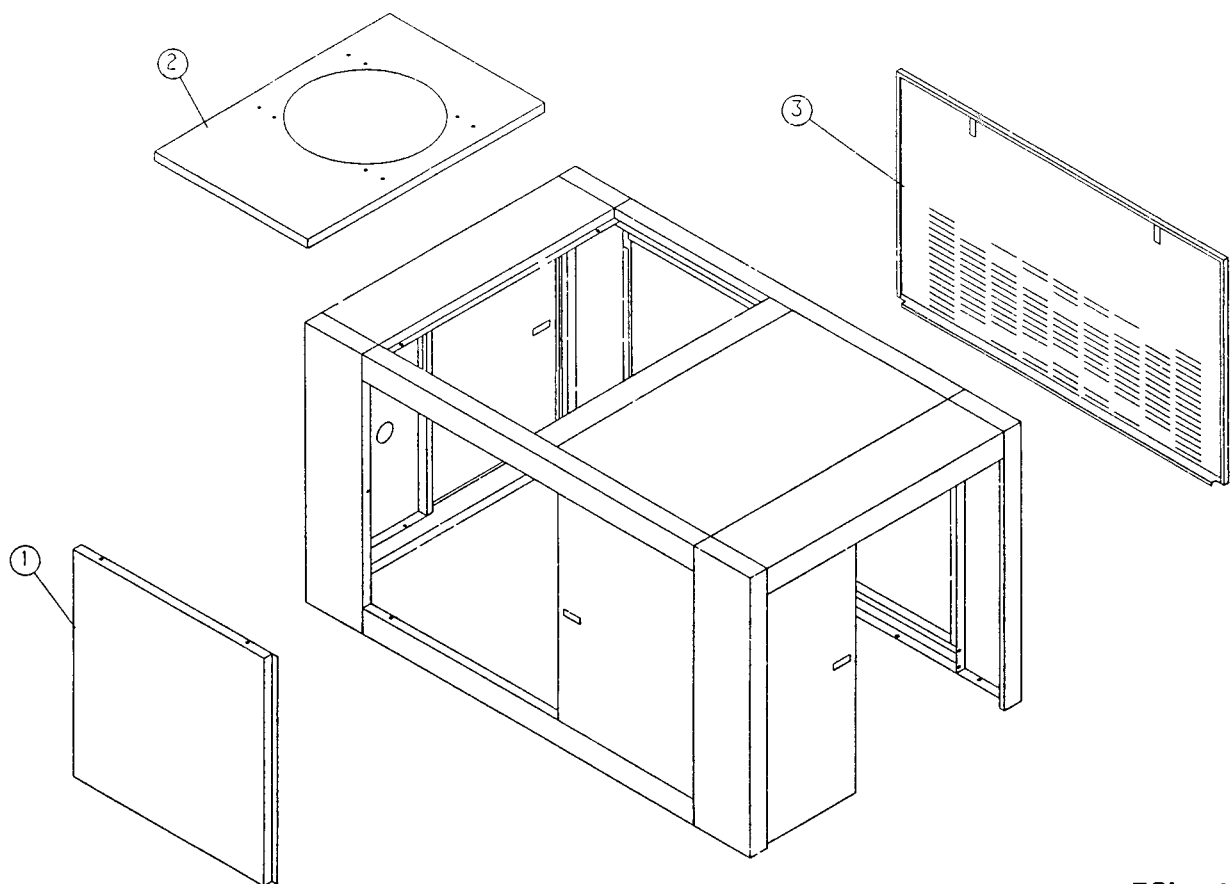
CONTROLLER ASSEMBLY - FULL VOLTAGE STARTERS (STANDARD)
- 50 H.P. UNITS -

	QTY.	200V	230V	460V	575V	380V
* ASSEMBLED PANEL: NEMA 12	1	256ECH466	254ECH466	253ECH466	258ECH466	257ECH466
* ASSEMBLED PANEL: NEMA 4	1	264ECH466	262ECH466	261ECH466	266ECH466	265ECH466
A FUSE, CONTROL BOARD	2	24CA3257	24CA3257	24CA3257	24CA3257	24CA3257
B FUSE, TRANSFORMER SECONDARY	1	24CA2915	24CA2915	24CA2915	24CA2915	24CA2915
C FUSE, TRANSFORMER PRIMARY	2	24CA617	24CA617	24CA276	24CA2621	24CA276
D FUSE, FAN MOTOR, AIR COOLED	3	24CA2477	24CA2477	24CA2476	24CA2476	24CA2477
D FUSE, FAN MOTOR, WATER COOLED.....	3	24CA2476	24CA2476	24CA2475	24CA2475	24CA2476
1 ELECTRONIC CONTROLLER ASSEMBLY	1	200EAP1173	200EAP1173	200EAP1173	200EAP1173	200EAP1173
2 CONTROL TRANSFORMER, 105VA	1	2116371	2116372	2116372	2116373	2116374
3 STARTER, FAN MOTOR	1	24CA3256	24CA3256	24CA3256	24CA3256	24CA3256
4 HEATER, MAIN MOTOR OVERLOAD AIR-COOLED	3	24CA2485	24CA2484	24CA2482	24CA2482	24CA2483
4 HEATER, MAIN MOTOR OVERLOAD WATER-COOLED.....	3	24CA2482	24CA2482	24CA2480	24CA2480	24CA2481
5 STARTER, MAIN MOTOR	1	24CA3255	24CA3255	24CA3175	24CA3174	24CA3175
6 HEATER, FAN MOTOR OVERLOAD 50 HP	3	24CA2894	24CA2893	24CA2606	24CA2604	24CA2607
7 CONTACTOR, MAIN MOTOR - WYE DELTA.....	2	24CA3259	24CA3259	24CA3258	24CA2609	25CA3258
8 REPLACEMENT COIL FOR ITEMS 5 & 7.....	(3)	2116555	2116555	2116554	2115950	2116554
9 REPLACEMENT COIL FOR ITEM 3	(1)	2115950	2115950	2115950	2115950	2115950
10 OPERATOR, 22mm PUSH-PULL E-STOP	1	24CA2907	24CA2907	24CA2907	24CA2907	24CA2907
11 CONTACT BLOCK E22B1 SPNC	1	24CA2908	24CA2908	24CA2908	24CA2908	24CA2908



252ECH810

Det. No.	Description	Qty. Req.	Part No.
1	BRACKET	2	202ECH142
2	BRACKET	1	201ECH142
3	PANEL	1	209ECH216
4	POST	1	209ECH313
5	POST	1	208ECH313
6	POST	1	207ECH313
7	POST	1	206ECH313
8	FRAME	1	209ECH314
9	FRAME	1	210ECH314
10	FRAME	1	211ECH314
11	FRAME	1	212ECH314
12	FRAME	1	213ECH314
13	FRAME	1	214ECH314
14	FRAME	1	215ECH314
15	FRAME	1	216ECH314
16	BRACE	1	202ECH326
17	BRACE	1	203ECH326
18	DOOR-CANOPY	1	203ECH334
19	DOOR-CANOPY	2	204ECH334
20	LATCH	5	31D51
21	TRIM SEAL	51	32E12
22	SCREW-FLANGED	86	75LM51
23	NUT-FLANGED	78	50AW5

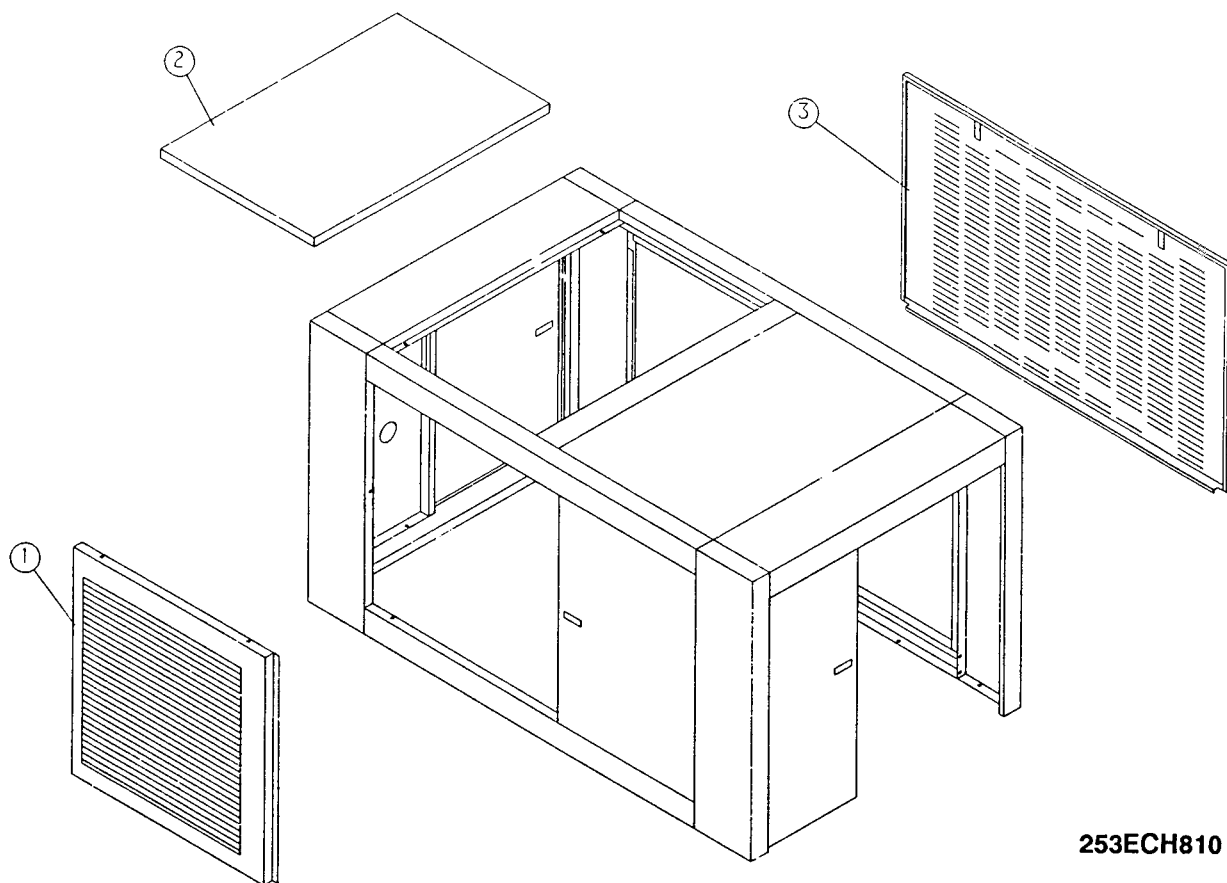


254ECH810

REPAIR: VENT FAN P/N 202ECM701
VENT FAN HUB 22G7

AIR COOLED ENCLOSURE

Det. No.	Description	Qty. Req.	Part No.
1	PANEL.....	1	213ECH216
2	PANEL.....	1	210ECH216
3	PANEL.....	1	212ECH216



253ECH810

WATER COOLED ENCLOSURE

Det. No.	Description	Qty. Req.	Part No.
1	PANEL.....	1	214ECH216
2	PANEL.....	1	209ECH216
3	PANEL.....	1	211ECH216

**MOTOR GROUP
(MAIN DRIVE MOTORS)**

COLUMN CODE	NAME OF PART	40 HP PART NO.	50 HP PART NO.
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**OPEN DRIP PROOF
(60 HZ - ODP)**

13A	MOTOR, 200V	24CA3060	24CA3065
13B	MOTOR, 230V	24CA3061	24CA3066
13C	MOTOR, 460V	24CA3061	24CA3066
13D	MOTOR, 575V	24CA3064	24CA3069

**OPEN DRIP PROOF
(60 HZ - HIGH EFFICIENCY)**

13E	MOTOR, 200V	24CA3070	24CA3075
13F	MOTOR, 230V	24CA3071	24CA3076
13G	MOTOR, 460V	24CA3071	24CA3076
13H	MOTOR, 575V	24CA3074	24CA3079

**TOTALLY ENCLOSED FAN COOLED
(60 HZ - TEFC)**

13I	MOTOR, 200V	24CA3080	24CA3085
13J	MOTOR, 230V	24CA3081	24CA3086
13K	MOTOR, 460V	24CA3081	24CA3086
13L	MOTOR, 575V	24CA3084	24CA3089

**TOTALLY ENCLOSED FAN COOLED
(60 HZ - TEFC - HIGH EFFICIENCY)**

13M	MOTOR, 200V	24CA3090	24CA3095
13N	MOTOR, 230V	24CA3091	24CA3096
13O	MOTOR, 460V	24CA3091	24CA3096
13P	MOTOR, 575V	24CA3094	24CA3099

MOTOR GROUP

**AIR COOLED FAN MOTOR (COOLING MODULE)
(TEFC, 1 HP, 1.15 S.F., 1200 RPM, 60 HZ)**

VOLTAGE	P/N
MOTOR, 200V	24CA3311
MOTOR, 230V	24CA3312
MOTOR, 460V	24CA3312
MOTOR, 575V	24CA3313

**WATER COOLED FAN MOTOR (ENCL. VENT FAN)
(TEFC, 1200 RPM, 60 HZ, 1.0 S.F.)**

VOLTAGE	P/N	HP
MOTOR, 200V	24CA2463	1/2
MOTOR, 230V	24CA2464	1/4
MOTOR, 460V	24CA2464	1/4
MOTOR, 575V	24CA2465	1/2

IDENTIFICATION & INSTRUMENT GROUP

NAME	QTY.	PART NO.
DECAL, CONTROL VOLTAGE	1	69D38
DECAL, GROUNDING	1	208ESG077
DECAL, COPPER WIRE ONLY.....	1	214ESG077
DECAL, WARNING	2	202ESG077
DECAL, PARTS LIST/SERVICE MANUAL #	1	204EDE077
DECAL, DRAIN MOISTURE DAILY	1	205ESO077
DECAL, DANGER - DO NOT BREATHE	1	206EAQ077
DECAL, WARNING - AUTO RESTART	3	207EAQ077
DECAL, CAUTION - DO NOT LIFT	1	208EAQ077
DECAL, AEON 9000 LUBRICANT	1	210EAQ077
DECAL, WARNING - ROTATING MACHINERY	1	211EAQ077
DECAL, DANGER - HOT OIL UNDER PRESSURE	1	212EAQ077
DECAL, WARNING - ELECTRICAL SHOCK	1	213EAQ077
DECAL, NOTICE - USE GD PARTS	1	214EAQ077
DECAL, WARNING - READ OPERATOR MANUAL	1	215EAQ077
DECAL, WARNING - ELECTRICAL SHOCK	1	216EAQ077
DECAL, WARNING - INSPECT OIL RESERVOIR	1	217EAQ077
DECAL, DANGER - DO NOT MODIFY	1	218EAQ077
DECAL, CAUTION - USE FLOOR PLATE	1	221EAQ077
DECAL, WARNING - SEE WIRING DIAGRAM	1	222EAQ077
DECAL, OPERATION & MAINTENANCE.....	1	217ECM077
DECAL, WARNING	1	227ECM077

REPAIR KITS

- | | |
|---|------------|
| 1) ROUTINE MAINTENANCE KIT (3000 HOURS) H.D. AIR FILTER | EDE80757 |
| (2) 2010228 ELEMENT, AIR FILTER | |
| (3) 2116110 ELEMENT, OIL FILTER | |
| 2) PERIODIC MAINTENANCE KIT (9000 HOURS) | 201EAP6013 |
| (2) 60DD21 PACKING-RING | |
| (1) 25AH30 O-RING | |
| (1) 2109295 | |
| 3) PERIODIC OVERHAUL (18,000 HOURS) | 200ECM6013 |
| (1) 12BA130 BEARING | |
| (1) 12BA136 BEARING | |
| (1) 12BA91 BEARING | |
| (1) 12BA90 BEARING | |
| (1) 77H54 SHIM | |
| (1) 77H53 SHIM | |
| (1) 60DD599 SEAL-OIL | |
| (1) 25BC222 GASKET (ELIMINATOR) | |
| (2) 202SSH715N GASKET | |
| (1) 200SSH715N GASKET | |
| 4) SEPARATOR KIT (18,000 HOURS) | 200ECH6013 |
| (1) 55B40 OIL SEPARATOR | |
| (1) 25C1788N GASKET | |
| 5) PNEUMATIC CONTROLS & GAUGES (18,000 HOURS) | 205EAP6013 |
| (2) 90AR261 CHECK VALVE | |
| (2) 90AR107 SHUTTLE VALVE | |
| (1) 90AR35 AIR CONT VALVE | |
| (1) 88H139 PRESSURE REGULATOR | |
| (1) 27P109 GAUGE | |
| 6) ELECTRICAL CONTROL KIT (18,000 HOURS) | 206EAP6013 |
| (1) 91B70 SOLENOID VALVE | |
| (1) 91B80 SOLENOID VALVE | |
| (1) 91B81 SOLENOID VALVE | |
| (2) 21D231 THERMISTOR PROBE | |
| (1) 88H175 TRANSFORMER | |
| (1) 88H154 VAC SWITCH | |
| 7) DRIVE COUPLING KIT (51L58) (1.75 x 1.875) | 200EDH6003 |
| (6) 2116477 CUSHIONS | |



INDUSTRIAL MACHINERY

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