



INDUSTRIAL ROTARY SCREW AIR COMPRESSOR

32/25 TANDEM

200-600HP

PARTS MANUAL

Part Number 02250043-247
©Sullair Corporation, 1991
Effective 11/91

STATEMENT OF WARRANTY

Sullair Corporation ("Sullair") warrants that, under normal use and service, if properly stored, handled, installed, operated and maintained, its portable and stationary air compressors ("Compressors") shall, for a period of twelve (12) months ("Warranty Period") (1) beginning at machine start-up if the registration card is returned within ten (10) days after start-up and the start-up occurs within twelve (12) months after shipment by Sullair from the factory, or (2) if not, beginning thirty (30) days after shipment by Sullair from the factory, be free of defects in materials and workmanship, under normal use and service; and that its rotary screw air-end ("Air-end") utilized in Compressors, shall, for a period of twenty-four (24) months ("Warranty Period"), (1) beginning at machine start-up if the registration card is returned within ten (10) days after start-up and the start-up occurs within twelve (12) months after shipment by Sullair from the factory, or (2) if not, beginning thirty (30) days after shipment by Sullair from the factory, be free of defects in materials and workmanship, under normal use and service. Should any such defect become apparent within such time, and written notice of each and every such defect is promptly provided to Sullair, and Sullair reasonably determines that any such Product is defective in material or workmanship, Sullair will, at its option, replace or repair such Product. Sullair's obligation with respect to such Product shall be limited to repair or replacement, F.O.B. Sullair's place of business, without any further expense to Sullair, and except as expressly provided herein, Sullair shall not in any event be liable for any other labor, transportation, installation, adjustment or other expenses which may arise in connection with such Product. Any misuse or abuse of the Product(s) voids this limited warranty.

The Sullair warranty does not extend to Products not assembled by Sullair. As to Products assembled by others including the driver (whether engine, turbine or electric motor), Purchaser shall be entitled to proceed only upon the terms of that particular manufacturer's warranty. The Sullair warranty does not apply to defects in materials provided by Purchaser or design stipulated by Purchaser.

Used Products, and Products not assembled by Sullair, are sold AS IS with no representation or warranty, and ALL WARRANTIES OF QUALITY, WRITTEN, ORAL OR IMPLIED, other than may be expressly agreed to by Sullair in writing, INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY OR FITNESS, ARE HEREBY DISCLAIMED.

IN NO EVENT SHALL SULLAIR BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES however arising whether in warranty, strict liability, contract, tort, negligence or otherwise, including but not limited to loss of profits of revenue, loss of total or partial use of the Products, facilities or services, downtime costs, or claims of Purchaser for such or other damages whether on account of Products furnished hereunder or delays in delivery thereof of services performed upon or with respect to such Products. Sullair's liability on any claim whether in warranty, strict liability, contract, tort, negligence or otherwise for any loss or damage arising out of, connected with, or resulting from this warranty or the performance or breach thereof, or from the design, manufacture, sale, delivery, resale, repair, replacement, installation, technical direction of installation, inspection, servicing, operation or use of any Product covered by or furnished under this warranty shall in no case exceed the purchase price allowable to the Product or part thereof which give rise to the claim. Notice of claims against Sullair hereunder for any reason, including breach of warranty, must be made to Sullair in writing within forty-eight (48) hours of discovery to afford Sullair an opportunity to make a prompt investigation of surrounding facts and mitigate any damage which might ensue, should it be determined to be Sullair's responsibility. Failure to give such notice to Sullair shall constitute a waiver by Purchaser of any right later to assert such a claim.

Any cause of action against Sullair arising out of or relating to the warranty or the performance hereof shall expire unless brought within one (1) year of the time of accrual thereof.

THE FOREGOING LIMITED WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

SULLAIR CORPORATION
A Subsidiary Of Sundstrand Corporation
Michigan City, Indiana 46360

AIR CARE SEMINAR TRAINING

Sullair Air Care Seminars are 3-day courses that provide hands-on instruction in the proper operation, maintenance and service of Sullair equipment. Individual seminars on Industrial compressors and compressor electrical systems are presented at regular intervals throughout the year at a dedicated training facility at Sullair's corporate headquarters in Michigan City, Indiana.

Instruction includes discussion of the function and installation of Sullair service parts, troubleshooting of the most common problems, and actual equipment operation. The seminars are recommended for maintenance and service personnel.

For detailed course outlines, schedule and cost information contact:

Sullair Corporate Training Department
1-800-348-2722 or 219-879-5451 (ext. 1867)

- Or Write -

Sullair Corporation
3700 E. Michigan Blvd.
Michigan City, IN 46360
Attn: Service Training Department

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ILLUSTRATIONS AND PARTS LIST

1.1 PROCEDURE FOR ORDERING PARTS

Parts should be ordered from the nearest Sullair Representative or the Representative from whom the compressor was purchased. If for any reason parts cannot be obtained in this manner, contact the factory directly at the address below.

When ordering parts always indicate the **Serial Number** of the compressor. This can be obtained from the Bill of Lading for the compressor or from the Serial Number Plate located on the compressor. For compressor unit parts only, order parts by the unit serial number plate located on the compressor unit.

For ordering parts other than those pertaining to the compressor unit, use serial number located on name-plate mounted on control panel.

SULLAIR CORPORATION

Subsidiary of Sundstrand Corporation
3700 East Michigan Boulevard
Michigan City, Indiana 46360

Telephone: (219) 879-5451
See Toll-free Numbers
Telex: 4946922
FAX: (219) 874-1273

SULLAIR CORPORATION

Parts Distribution Division and Service Department
1625 E. Second Street
Michigan City, Indiana 46360

Telephone: (219) 879-5451 or
1-800-348-2722 (United States)
1-800-525-5506 (Canada)
Telex: 4320147
FAX: (219) 874-1835 (Parts)
FAX: (219) 874-1805 (Service)

1.2 RECOMMENDED SPARE PARTS LIST - 200, 250 and 300HP

DESCRIPTION	KIT NUMBER	QUANTITY
repair kit for fluid stop valve 016742	001684	1
repair kit for thermal valve 041299	001084	1
element for separator with gaskets 250034-123 (primary)	250034-124	1
element for separator with gaskets 250034-129 (secondary)	250034-130	1
repair kit for regulator valve 406929	041742	1
repair kit for blowdown valve 409783	001667	1
repair kit for Sullicon Control 011682-003	250020-353	1
repair kit for control line filter 408389	001692	1
repair kit for fluid return strainer 241771	241772	1
element for 18" diameter air filter 250006-718 (primary)	250007-838	1
element for 18" diameter air filter 250006-718 (secondary)	250007-839	1
replacement kit for fluid filter 250007-219	250008-956	1
repair kit for 3" flexible coupling 040327	040523	1
repair kit for 4" flexible coupling 041085	041353	1
repair kit for solenoid valve 250038-668	250038-673 (valve)	1
	250031-738 (coil)	1
repair kit for solenoid valve 409067	250010-377	1
repair kit for regulator valve 408275	250028-693	1
repair kit for minimum pressure valve 250033-821	250018-262	1
repair kit for shaft seal	067329-001	1
diaphragm repair kit for air cylinder 250016-183	608311-001	1
repair kit for 3" separator combination trap w/heater 250004-596	250033-036	1
repair kit for 4" separator combination trap w/ heater 250004-597	250033-036	1
repair kit for 4" separator combination trap 250000-511	250033-036	1

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1

ILLUSTRATIONS AND PARTS LIST

1.3 RECOMMENDED SPARE PARTS LIST - 400, 500 and 600HP

DESCRIPTION	KIT NUMBER	QUANTITY
repair kit for fluid stop valve 016742	001684	1
repair kit for thermal valve 041299	001084	1
element for separator with gaskets 250034-125 (primary)	250034-126	1
element for separator with gaskets 250034-131 (secondary)	250034-132	1
repair kit for regulator valve 406929	041742	1
repair kit for blowdown valve 409783	001667	1
repair kit for regulator valve 408275	250028-693	1
repair kit for Sullicon Control 011682-001	250020-353	1
repair kit for control line filter 408389	001692	1
repair kit for fluid return strainer 241771	241772	1
element for 18" diameter air filter 250006-718 (primary)	250007-838	1
element for 18" diameter air filter 250006-718 (secondary)	250007-839	1
replacement kit for fluid filter 250007-219 (400 through 600HP)	250008-956	2
repair kit for 4" flexible coupling 041085	041353	1
repair kit for drive coupling 02250043-132 (400HP)	02250044-346	1
repair kit for drive coupling 250039-660 (500, 600HP)	02250044-346	1
repair kit for solenoid valve 250038-668	250038-673 (valve)	1
	250031-738 (coil)	1
repair kit for solenoid valve 409067	250010-377	1
repair kit for shaft seal	067329-001	1
repair kit for air cylinder 250016-183	608311-001	1
repair kit for separator combination trap w/heater 250004-597	250033-036	1
repair kit for sight glass 036559	250021-312	1

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

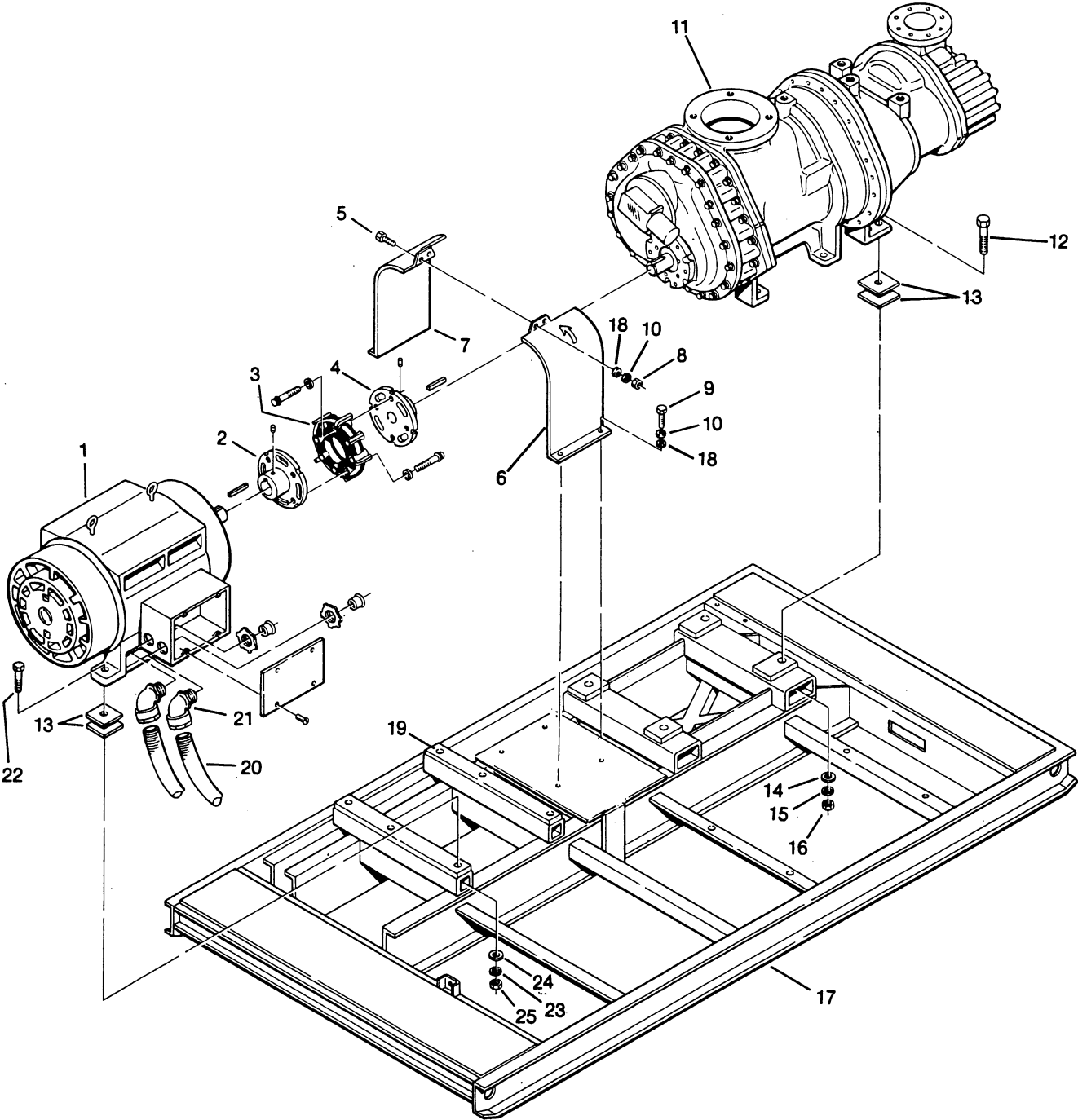
ILLUSTRATIONS AND PARTS LIST

NOTES

Section 1

ILLUSTRATIONS AND PARTS LIST

1.4 MOTOR, COMPRESSOR, FRAME AND PARTS - 200HP THROUGH 300HP



Section 1

ILLUSTRATIONS AND PARTS LIST**1.4 MOTOR, COMPRESSOR, FRAME AND PARTS - 200HP THROUGH 300HP**

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	motor, 200HP • motor, 250HP • motor, 300HP	050982 050401 250007-820	1 1 1
2	hub, coupling 2 $\frac{3}{8}$ " x $\frac{5}{8}$ "	250004-635	1
3	element, drive coupling	046999	1
4	hub, coupling 3 $\frac{1}{4}$ " x $\frac{3}{4}$ "	250005-091	1
5	capscrew, hex gr5 $\frac{5}{8}$ "-16 x $\frac{3}{4}$ "	828606-075	2
6	guard, coupling - left hand	250005-066	1
7	guard, coupling - right hand	250005-065	1
8	nut, hex $\frac{3}{8}$ "-16	824206-337	5
9	capscrew, hex gr5 $\frac{5}{8}$ "-16 x 1 $\frac{1}{4}$ "	828606-125	3
10	washer, springlock $\frac{3}{8}$ "	837506-094	5
11	compressor unit (I)	-	1
12	capscrew, hex gr5 $\frac{7}{8}$ "-9 x 3 $\frac{1}{2}$ "	8286140-350	4
13	shim set, motor mounting 32E	022031	4
14	washer, plain $\frac{7}{8}$ "	837514-174	4
15	washer, springlock $\frac{7}{8}$ "	837514-219	4
16	nut, hex $\frac{7}{8}$ "-9	824214-776	4
17	frame, base	250024-571	1
18	washer, plain $\frac{3}{8}$ "	837206-071	8
19	support, motor	250007-215	2
20	conduit, 2"	846315-200	12
21	elbow, 90° 2"	846600-200	2
22	capscrew, hex gr5 $\frac{5}{8}$ "-11	828610-300	4
23	washer, springlock $\frac{5}{8}$ "	837510-156	4
24	washer, regular $\frac{5}{8}$ "	837210-112	4
25	nut, hex $\frac{5}{8}$ "-11	824210-559	1

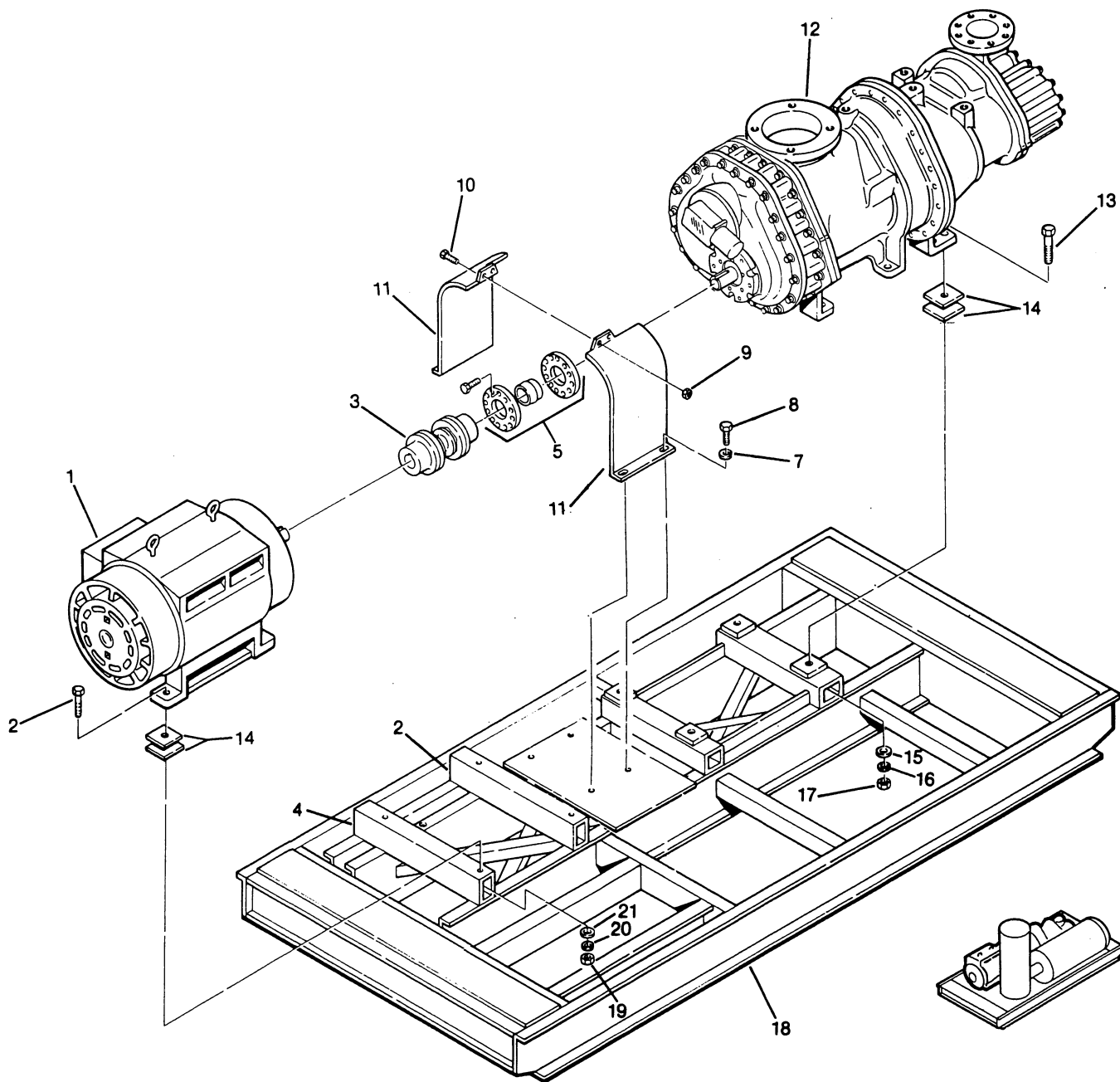
(I) There is an exchange program whereby a remanufactured compressor unit can be obtained from Sullair distributors or the factory at less cost than the owner could repair the unit. For information regarding the unit exchange program, contact your nearest Sullair representative or the Sullair Corporation.

The shaft seal is not considered part of the compressor unit in regard to the 2 year warranty. The normal Sullair parts warranty applies. For shaft seal repairs, order shaft seal repair kit No. 067329-001.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1
ILLUSTRATIONS AND PARTS LIST

1.5 MOTOR, COMPRESSOR, FRAME AND PARTS - 400HP



Section 1 ILLUSTRATIONS AND PARTS LIST

1.5 MOTOR, COMPRESSOR, FRAME AND PARTS - 400HP

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	motor, 400HP	250022-787	1
2	capscrew, hex gr5 $\frac{5}{8}$ "-11 x 3"	828610-300	4
3	coupling, assembly $2\frac{3}{8}$ " diameter (I)	02250043-132	1
4	support, motor	250009-569	2
5	disc, shrink	250009-242	1
6	guard, coupling - left hand	250007-361	1
7	washer, regular $\frac{3}{8}$ "	837206-071	3
8	capscrew, hex gr5 $\frac{3}{8}$ "-16 x $1\frac{1}{4}$ "	828606-125	3
9	nut, hex $\frac{3}{8}$ "-16	824206-337	3
10	capscrew, hex gr5 $\frac{3}{8}$ "-16 x $\frac{3}{4}$ "	828606-075	3
11	guard, coupling - right hand	250007-362	1
12	compressor unit (II)	-	1
13	capscrew, hex gr5 $\frac{3}{8}$ "-9 x 4"	828614-400	4
14	shim set, motor mounting	022031	4
15	washer, regular $\frac{7}{8}$ "	837214-174	4
16	washer, springlock regular $\frac{7}{8}$ "	837514-219	4
17	nut, hex $\frac{7}{8}$ "-9	824214-776	4
18	frame, base	250024-572	1
19	nut, hex $\frac{5}{8}$ "-11	824210-559	4
20	washer, springlock $\frac{5}{8}$ "	837510-156	4
21	washer, regular $\frac{5}{8}$ "	837210-112	4

(I) For maintenance on coupling no. 02250043-132, order repair kit no. 02250044-346.

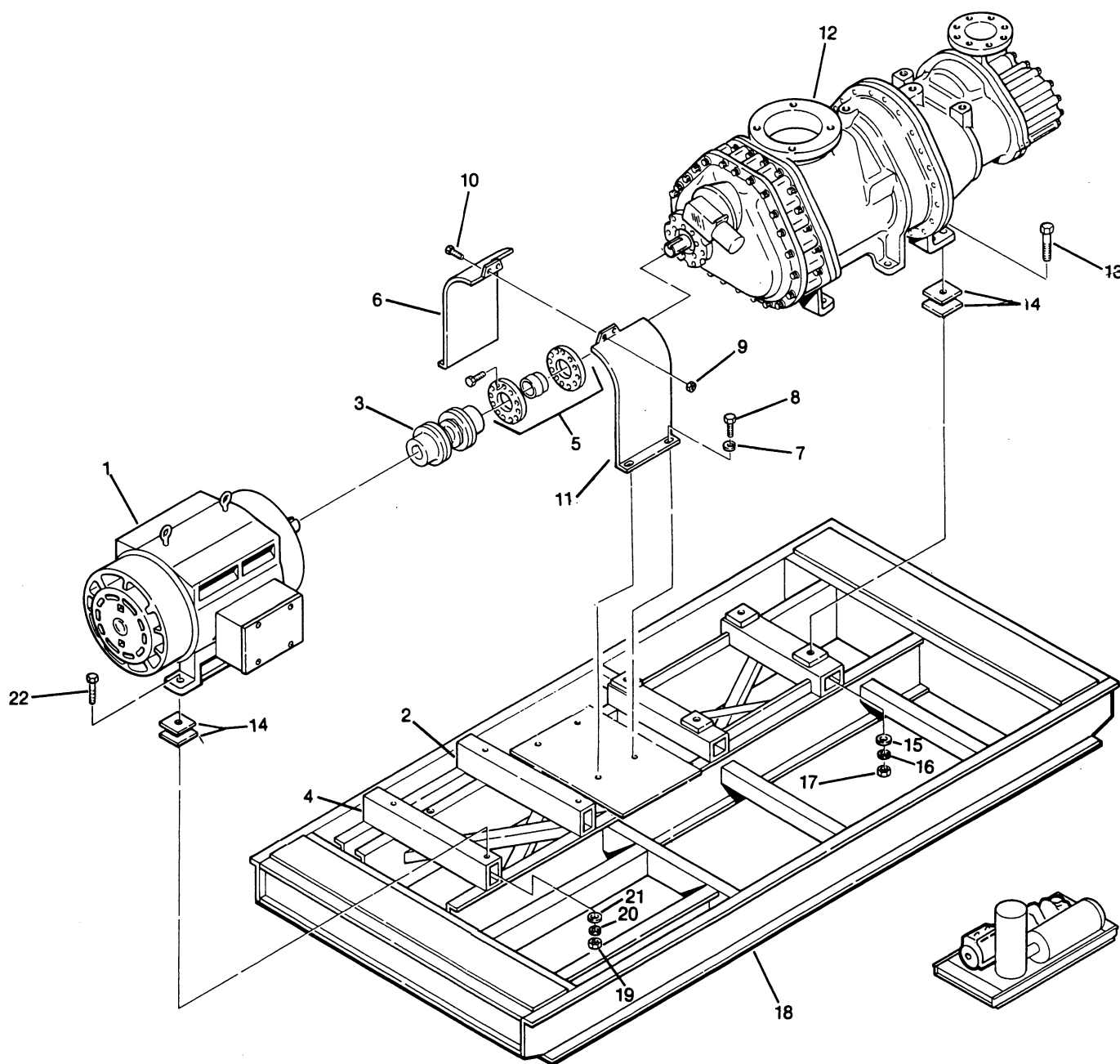
(II) There is an exchange program whereby a remanufactured compressor unit can be obtained from Sullair distributors or the factory at less cost than the owner could repair the unit. For information regarding the unit exchange program, contact your nearest Sullair representative or the Sullair Corporation.

The shaft seal is not considered part of the compressor unit in regard to the 2 year warranty. The normal Sullair parts warranty applies. For shaft seal repairs, order shaft seal repair kit No. 067329-001.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1 ILLUSTRATIONS AND PARTS LIST

1.6 MOTOR, COMPRESSOR, FRAME AND PARTS - 500HP THROUGH 600HP



Section 1

ILLUSTRATIONS AND PARTS LIST**1.6 MOTOR, COMPRESSOR, FRAME AND PARTS – 500HP THROUGH 600HP**

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	motor, 500HP • motor, 600HP	250007-822 250007-823	1 1
2	support, motor	250008-221	1
3	coupling, assembly 3 $\frac{3}{8}$ " diameter (I)	250039-660	1
4	support, motor	250008-137	1
5	disc, shrink	250009-242	1
6	guard, coupling – left hand	250007-361	1
7	washer, regular $\frac{3}{8}$ "	837206-071	3
8	capscrew, hex gr5 $\frac{3}{8}$ "-16 x $\frac{1}{4}$ "	828606-125	3
9	nut, hex $\frac{3}{8}$ "-16	824206-337	3
10	capscrew, hex gr5 $\frac{3}{8}$ "-16 x $\frac{3}{4}$ "	828606-075	3
11	guard, coupling – right hand	250007-362	1
12	compressor unit (II)	-	1
13	capscrew, hex gr5 $\frac{3}{8}$ "-9 x 4"	828614-400	4
14	shim set, motor mounting	022031	4
15	washer, regular $\frac{7}{8}$ "	837214-174	4
16	washer, springlock regular $\frac{7}{8}$ "	837514-219	4
17	nut, hex $\frac{7}{8}$ "-9	824214-776	4
18	frame, base	250024-572	1
19	nut, hex $\frac{5}{8}$ "-11	824210-559	4
20	washer, springlock $\frac{5}{8}$ "	837510-156	4
21	washer, regular $\frac{5}{8}$ "	837210-112	4
22	capscrew, hex gr5 $\frac{5}{8}$ "-11 x 3"	828610-300	4

(I) For maintenance on coupling no. 250039-660, order repair kit no. 02250044-346.

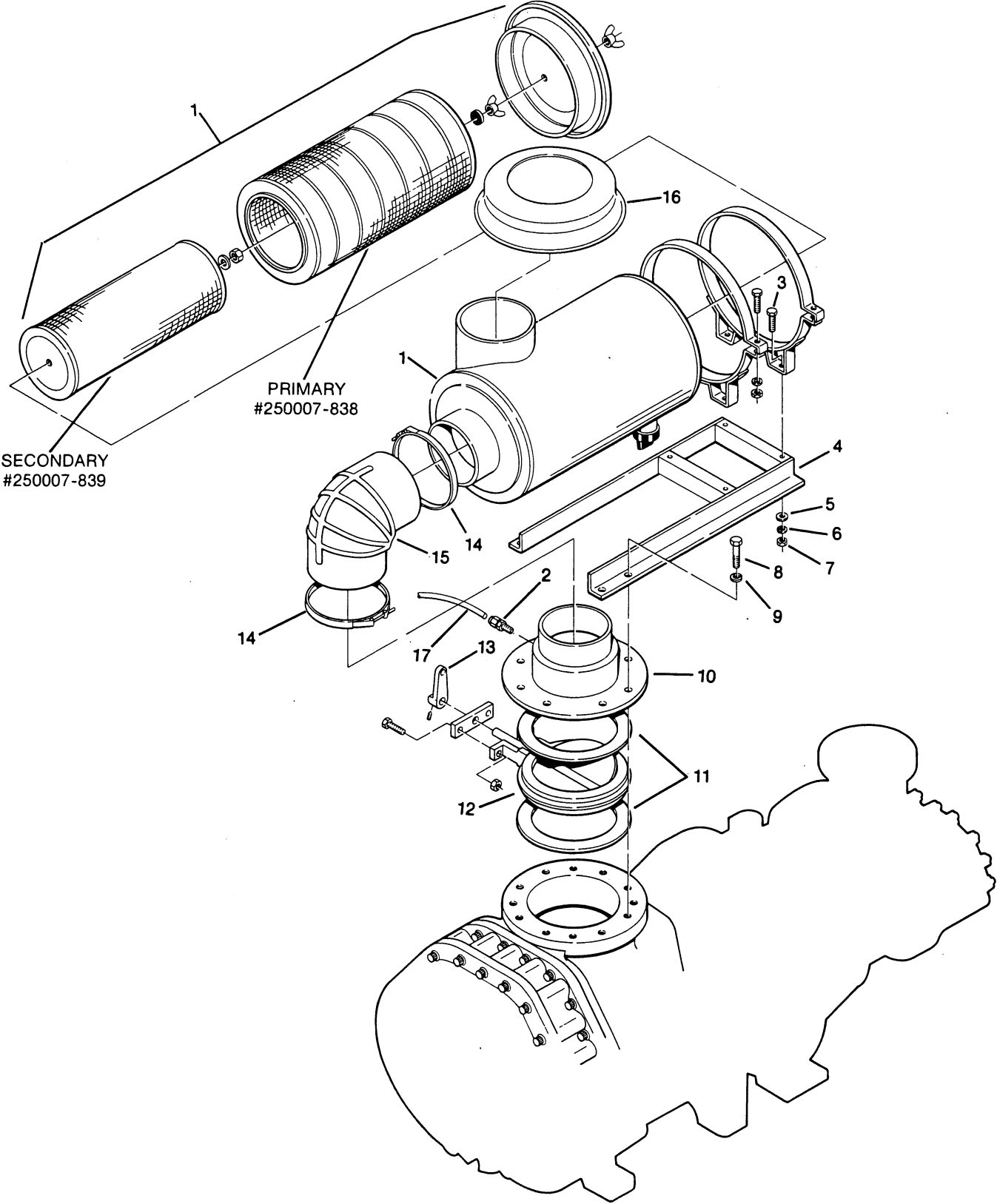
(II) There is an exchange program whereby a remanufactured compressor unit can be obtained from Sullair distributors or the factory at less cost than the owner could repair the unit. For information regarding the unit exchange program, contact your nearest Sullair representative or the Sullair Corporation.

The shaft seal is not considered part of the compressor unit in regard to the 2 year warranty. The normal Sullair parts warranty applies. For shaft seal repairs, order shaft seal repair kit No. 067329-001.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1
ILLUSTRATIONS AND PARTS LIST

1.7 AIR INLET SYSTEM - 200HP THROUGH 300HP



Section 1

ILLUSTRATIONS AND PARTS LIST**1.7 AIR INLET SYSTEM - 200HP THROUGH 300HP**

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	filter, air 18" diameter (I)	250006-718	1
2	connector, tube-m ¼" x ¼"	813604-250	2
3	capscrew, hex gr5 ⅜" x 1¼"	828606-125	4
4	support, 18" diameter air filter	250003-374	1
5	washer, plain ⅜"	837206-071	4
6	washer, springlock ⅜"	827506-094	4
7	nut, hex ⅜"	824206-337	4
8	capscrew, hex gr5 ⅞" x 3½"	828614-350	8
9	washer, springlock ⅞"	837514-188	8
10	adaptor, compressor inlet 10" to 8"	250003-378	1
11	gasket, ⅛" x 10½" id x 13¼" od	041079	2
12	valve, butterfly - 200HP	250040-245	1
	• valve, butterfly - 250HP	250040-246	1
	• valve, butterfly - 350HP	250040-247	1
13	lever, inlet valve	022234	1
14	clamp, hose 8"	043598	2
15	elbow, rubber 90° 8"	043406	1
16	cap, air inlet 10"	250007-712	1
17	hose, nylon ¼"	842215-004	10

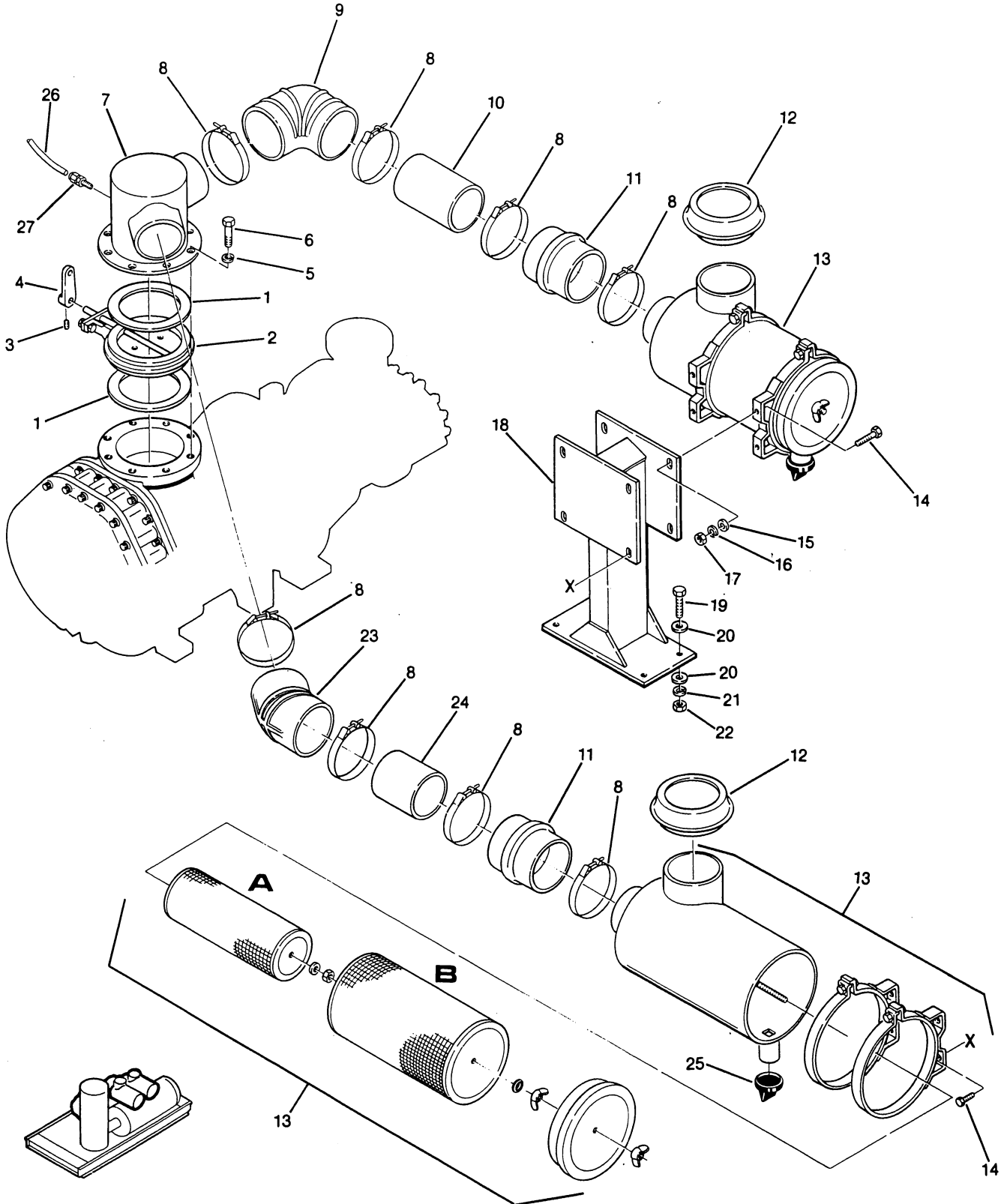
(I) For maintenance on air filter no. 250006-718, order replacement element no. 250007-838 (primary) and 250007-839 (secondary).

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1

ILLUSTRATIONS AND PARTS LIST

1.8 AIR INLET SYSTEM - 400HP THROUGH 600HP



Section 1 ILLUSTRATIONS AND PARTS LIST

1.8 AIR INLET SYSTEM - 400HP THROUGH 600HP

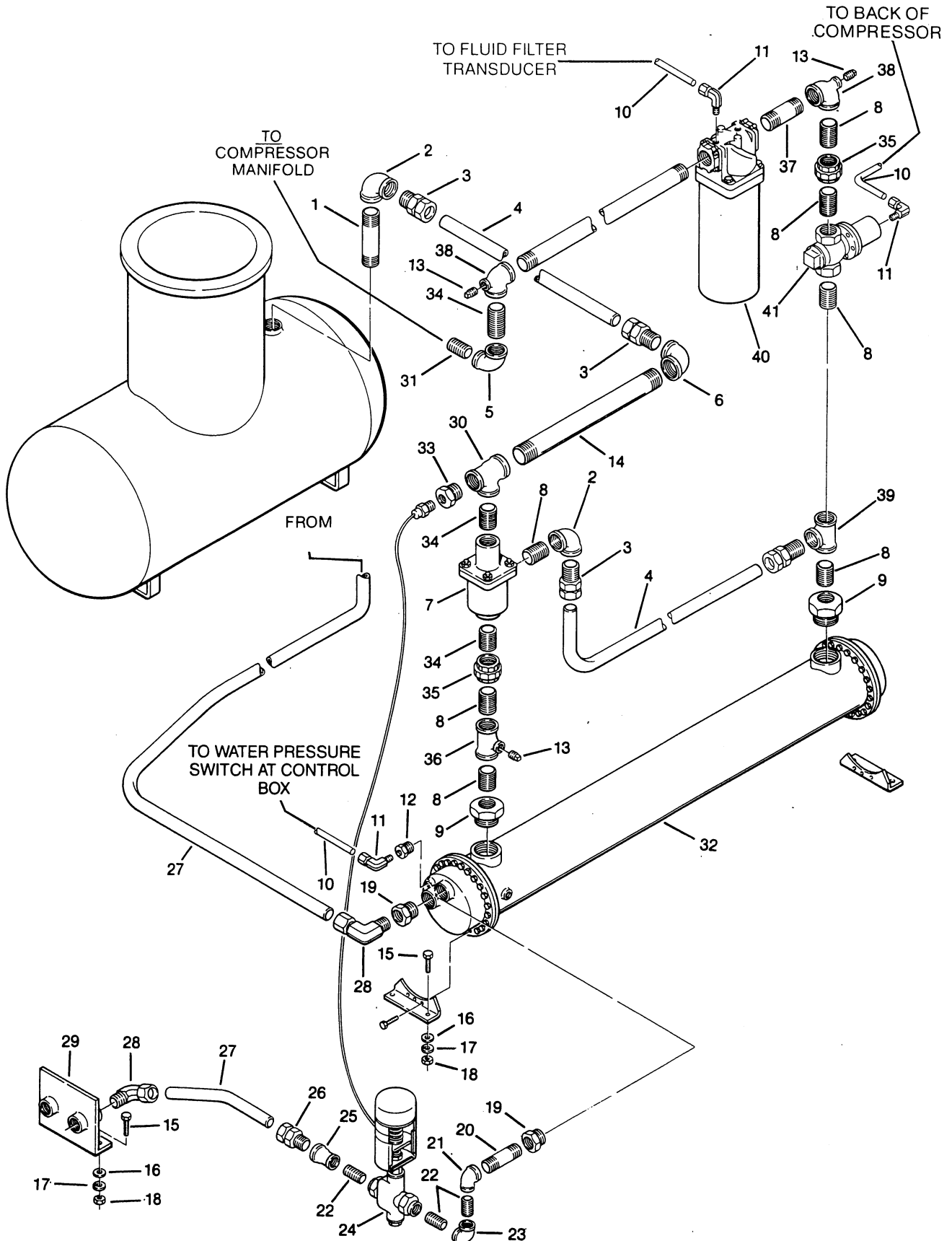
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	gasket, $\frac{1}{16}$ " x $10\frac{1}{2}$ " id x $13\frac{1}{4}$ " od	041079	2
2	valve, butterfly - 400HP • valve, butterfly - 500HP • valve, butterfly - 600HP	250040-249 250040-250 250040-251	1 1 1
3	screw, set $\frac{5}{16}$ "-18 x $\frac{1}{2}$ "	832206-050	1
4	lever, inlet valve	022234	1
5	washer, springlock $\frac{7}{8}$ "	837514-219	8
6	capscrew, hex gr5 $\frac{7}{8}$ "-9 x $3\frac{1}{2}$ "	828614-350	8
7	adapter, compressor inlet 8"	250006-676	1
8	clamp, hose 8"	043598	8
9	elbow, rubber 90° 8"	043406	1
10	duct, air inlet 8" x 12"	250006-651	1
11	hose, hump 8" x 8"	044733	1
12	cap, air inlet 10"	250007-712	2
13	filter, air 18" diameter (I)	250006-718	2
14	capscrew, hex gr5 $\frac{3}{8}$ "-16 x 1"	828606-100	8
15	washer, regular $\frac{3}{8}$ "	837206-071	8
16	washer, springlock $\frac{3}{8}$ "	837506-094	8
17	nut, hex $\frac{3}{8}$ "-16	824206-337	8
18	support, air filter	250006-658	1
19	capscrew, hex gr5 $\frac{1}{2}$ "-13 x $1\frac{1}{2}$ "	828608-150	4
20	washer, regular $\frac{1}{2}$ "	837208-112	4
21	washer, springlock $\frac{1}{2}$ "	837508-125	4
22	nut, hex $\frac{1}{2}$ "-13	824208-448	4
23	elbow, rubber 45° 8"	250005-776	1
24	duct, 8" x $8\frac{1}{2}$ "	025068	1
25	valve, rubber	040705	2
26	hose, nylon $\frac{1}{4}$ "	842215-004	10 feet
27	connector, tube-m $\frac{1}{4}$ " x $\frac{1}{4}$ "	813604-250	2

(I) For maintenance on air filter no. 250006-718, order replacement element no. 250007-838
(B) - primary and 250007-839 (A) - secondary.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1 ILLUSTRATIONS AND PARTS LIST

1.9 FLUID COOLING SYSTEM - 200HP THROUGH 300HP (WATER-COOLED)



Section 1 ILLUSTRATIONS AND PARTS LIST

1.9 FLUID COOLING SYSTEM – 200HP THROUGH 300HP (WATER-COOLED)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	nipple, pipe 2" x 7"	822132-070	1
2	elbow, pipe 90° x 2"	801515-080	2
3	connector, tube-m 2" x 2"	810232-200	3
4	tubing, steel 2"	841115-032	6
5	elbow, reducing 90° 2" x 1½"	801608-060	1
6	elbow, reducing 90° 2½" x 2"	801610-080	1
7	valve, thermal 2" (I)	041299	1
8	nipple, pipe 2" x close	822232-000	9
9	bushing, reducing hex 3" x 2"	802112-080	2
10	tubing, steel ¼"	841115-004	10
11	elbow, tube-m 90° ¼" x ¼"	810504-025	4
12	bushing, reducing hex ¾" x ¼"	802103-010	1
13	plug, pipe ½"	802815-020	3
14	nipple, pipe 2½" x 23"	822140-230	1
15	capscrew, hex gr5 ½" x 1½"	828608-150	6
16	washer, plain ½"	837208-112	6
17	washer, springlock ½"	837508-125	6
18	nut, hex ½"	824208-448	6
19	bushing, reducing hex 2" x 1½"	802108-060	2
20	nipple, pipe 1½" x 4"	822124-040	1
21	elbow, reducing 90° 1½" x 1¼"	801606-050	1
22	nipple, pipe 1¼" x close	822220-000	3
23	elbow, pipe 90° 1¼"	801515-050	1
24	valve, water regulating 1¼"	248743	1
25	coupling, reducing pipe 1½" x 1¼"	408988	1
26	connector, tube-m 1½" x 1½"	810224-150	1
27	tubing, steel 1½"	841115-024	3
28	elbow, tube-m 90° 1½" x 1½"	810524-150	2
29	bracket, water in-out 1½"	250007-710	1
30	tee, reducing 2½" x 2" x 2"	802210-088	1
31	nipple, pipe 1½" x close	822224-000	1
32	cooler, fluid -200HP through 250HP • cooler, fluid - 300HP	043864 041664	1 1
33	bushing, reducing hex 2" x 2½"	802108-040	3
34	nipple, pipe 2" x 2½"	822132-025	3

(continued on Page 17)

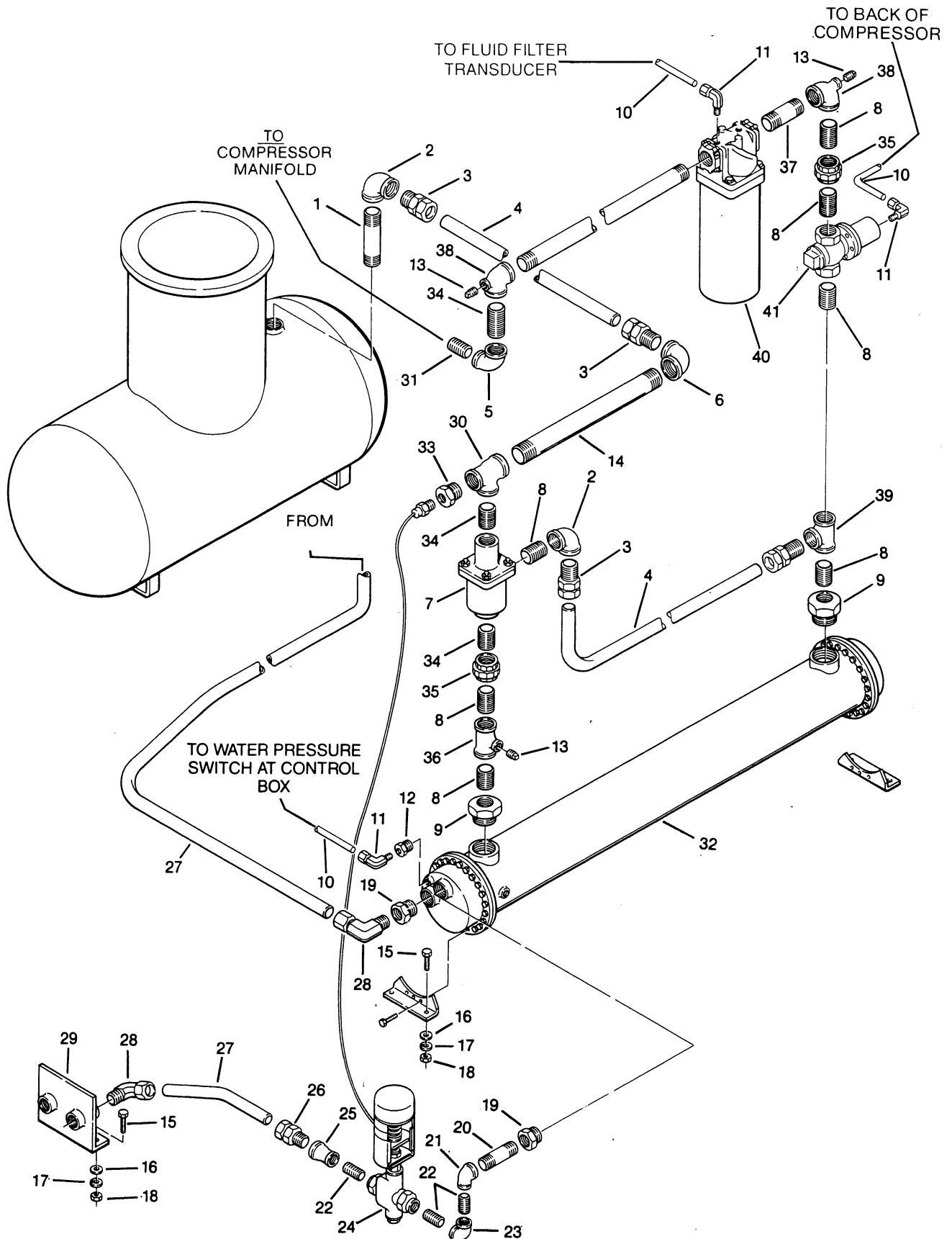
(I) For maintenance on thermal valve no. 041299, order repair kit no. 001084.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1

ILLUSTRATIONS AND PARTS LIST

1.9 FLUID COOLING SYSTEM - 200HP THROUGH 300HP (WATER-COOLED)



ILLUSTRATIONS AND PARTS LIST**1.9 FLUID COOLING SYSTEM – 200HP THROUGH 300HP (WATER-COOLED) (continued)**

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
35	union, pipe 2"	802515-080	3
36	tee, reducing 2" x 2" x ½"	802208-082	1
37	nipple, pipe 2" x 4"	822132-040	1
38	tee, reducing 2" x ½" x 2"	802208-028	2
39	tee, pipe 2"	802415-080	1
40	filter, fluid 2" (II)	250007-219	1
41	valve, fluid stop (III)	016742	1

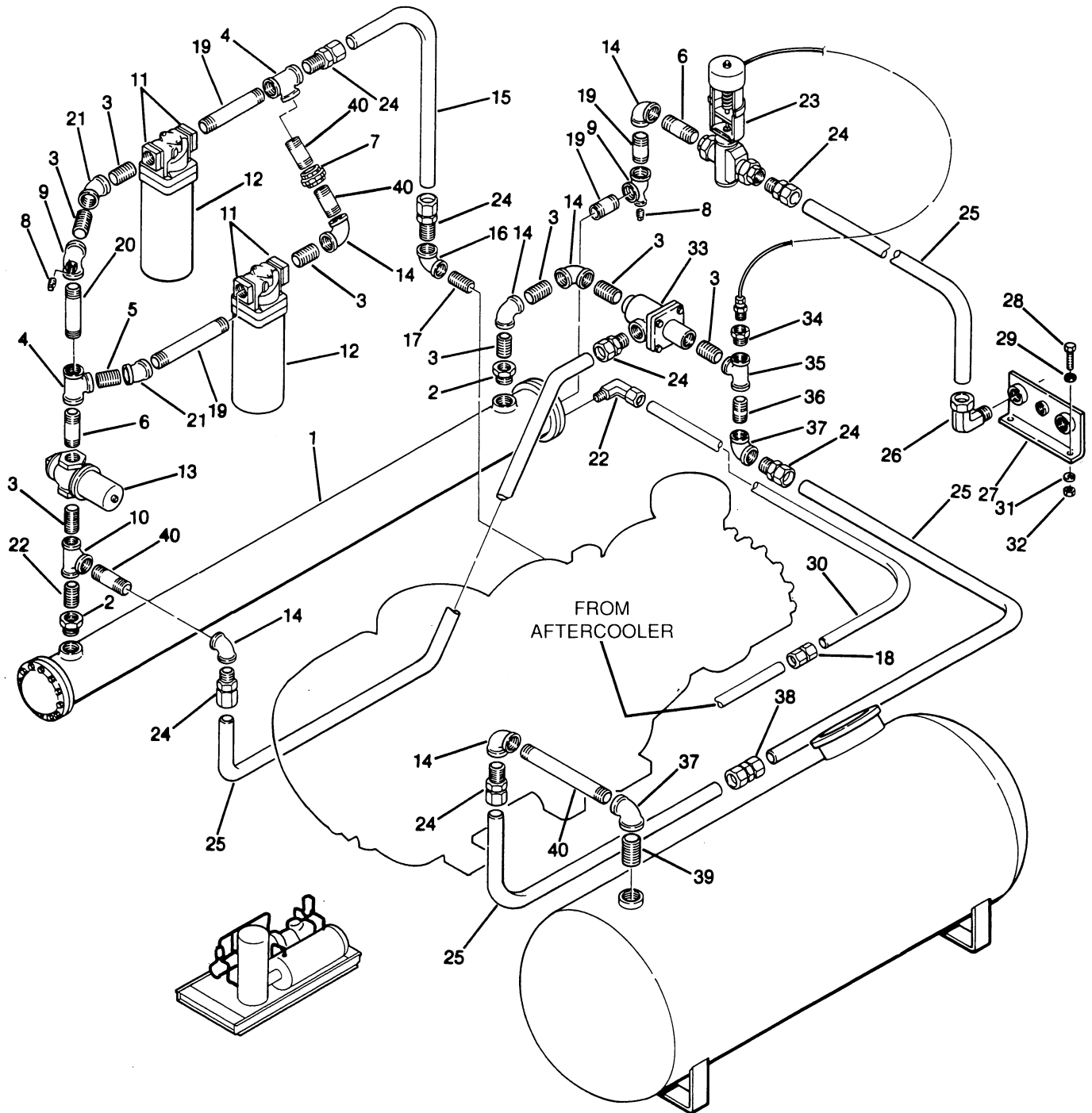
(II) For maintenance on fluid filter no. 250007-219, order replacement kit no. 250008-956.

(III) For maintenance on fluid stop valve no. 016742, order repair kit no. 001684.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1 ILLUSTRATIONS AND PARTS LIST

1.10 FLUID COOLING SYSTEM - 400HP (WATER-COOLED)



Section 1 ILLUSTRATIONS AND PARTS LIST

1.10 FLUID COOLING SYSTEM – 400HP (WATER-COOLED)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	cooler, fluid	250007-802	1
2	bushing, reducing hex 3" x 2½"	802112-080	2
3	nipple, pipe 2" x close	822232-000	9
4	tee, pipe 2"	802415-080	3
5	nipple, pipe 2" x 2½"	822132-025	1
6	nipple, pipe 2" x 3"	822132-030	1
7	union, pipe 2"	802515-080	1
8	plug, pipe ½"	807800-020	2
9	tee, reducing 2" x ½" x 2"	802208-028	3
10	tee, reducing 2½" x 2" x 2"	802210-088	1
11	adaptor, port 2"	250007-220	4
12	filter, fluid (I)	250007-219	2
13	valve, fluid stop 2" (II)	016742	1
14	elbow, pipe 90° 2"	801515-080	4
15	tube, fluid inlet 2"	250010-162	1
16	elbow, reducing 2" x 1½"	801608-060	1
17	nipple, pipe 1½" x close	822224-000	1
18	union, tube hex 1½" x 1½"	811332-200	1
19	nipple, pipe 2" x 9"	822132-090	2
20	nipple, pipe 2" x 7"	822132-070	1
21	elbow, pipe 45° 2"	801415-080	2
22	nipple, pipe 2½" x 4"	822140-040	1
23	valve, water regulating 2"	249970	1
24	connector, tube-m 2" x 2"	810232-200	7
25	tubing, steel 2"	841115-032	24 feet
26	elbow, tube-m 2" x 2"	810532-200	1
27	bracket, in-out 2"	250008-245	1
28	capscrew, hex gr5 ½"-13 x 1½"	828608-150	2
29	washer, regular ½"	837208-112	2
30	tubing, steel 1½"	841115-024	4 feet
31	washer, springlock ½"	837508-125	2
32	nut, hex ½"-13	824208-448	2

(continued on Page 21)

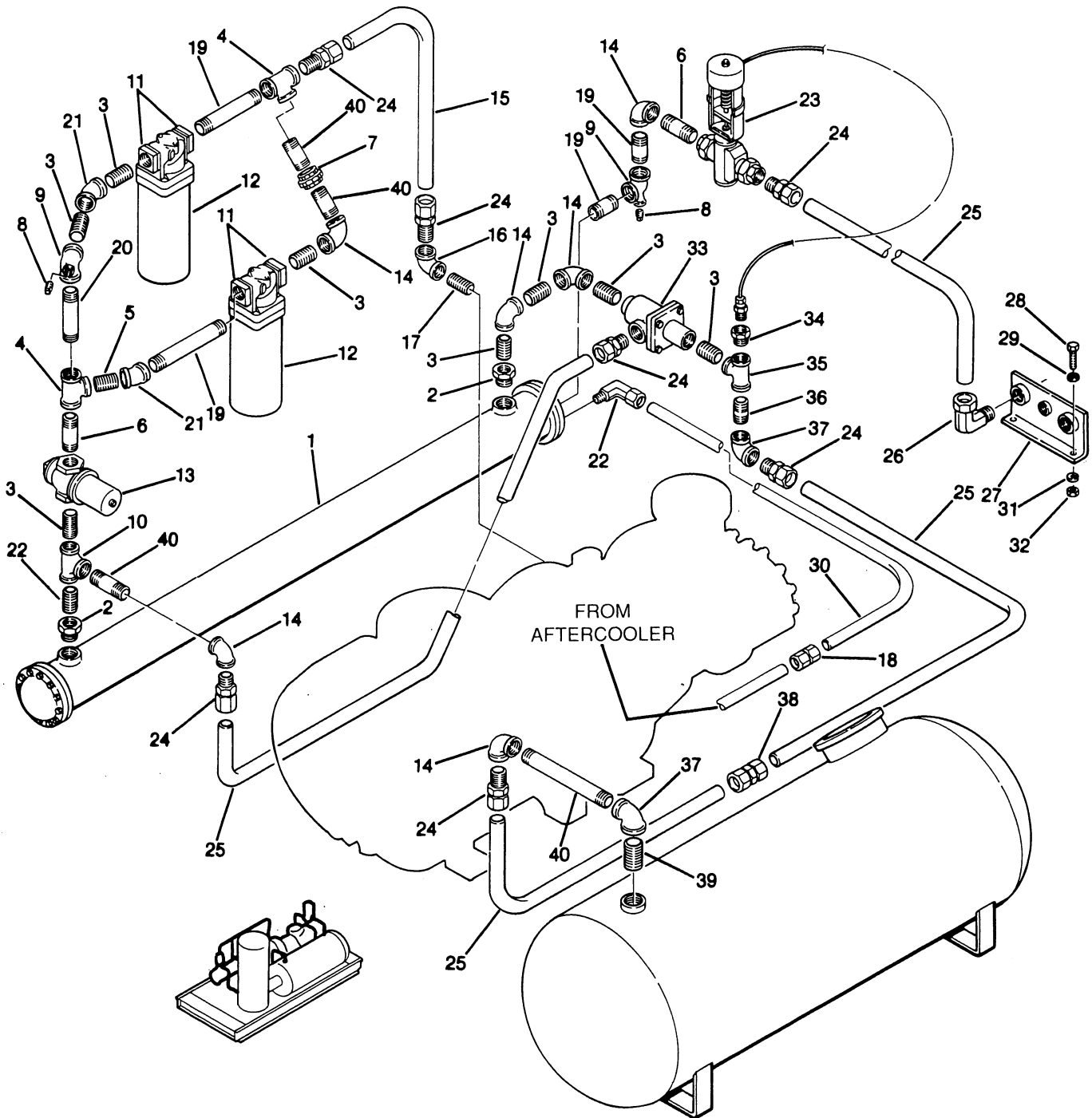
(I) For maintenance on fluid filter no. 250007-219, order replacement kit no. 250008-956.

(II) For maintenance on fluid stop valve no. 016742, order repair kit no. 001684.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1 ILLUSTRATIONS AND PARTS LIST

1.10 FLUID COOLING SYSTEM - 400HP (WATER-COOLED)



Section 1

ILLUSTRATIONS AND PARTS LIST

1.10 FLUID COOLING SYSTEM - 400HP (WATER-COOLED) (continued)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
33	valve, thermal 2" (III)	041299	1
34	bushing, reducing hex 2" x 1"	802108-040	1
35	tee, reducing 2½" x 2" x 2"	802210-088	2
36	nipple, pipe 2½" x 3½"	822140-035	1
37	elbow, reducing 2½" x 2"	801610-080	2
38	union, tube hex 2" x 2"	811332-200	1
39	nipple, pipe 2½" x close	822240-000	1
40	nipple, pipe 2" x 4"	822132-040	4

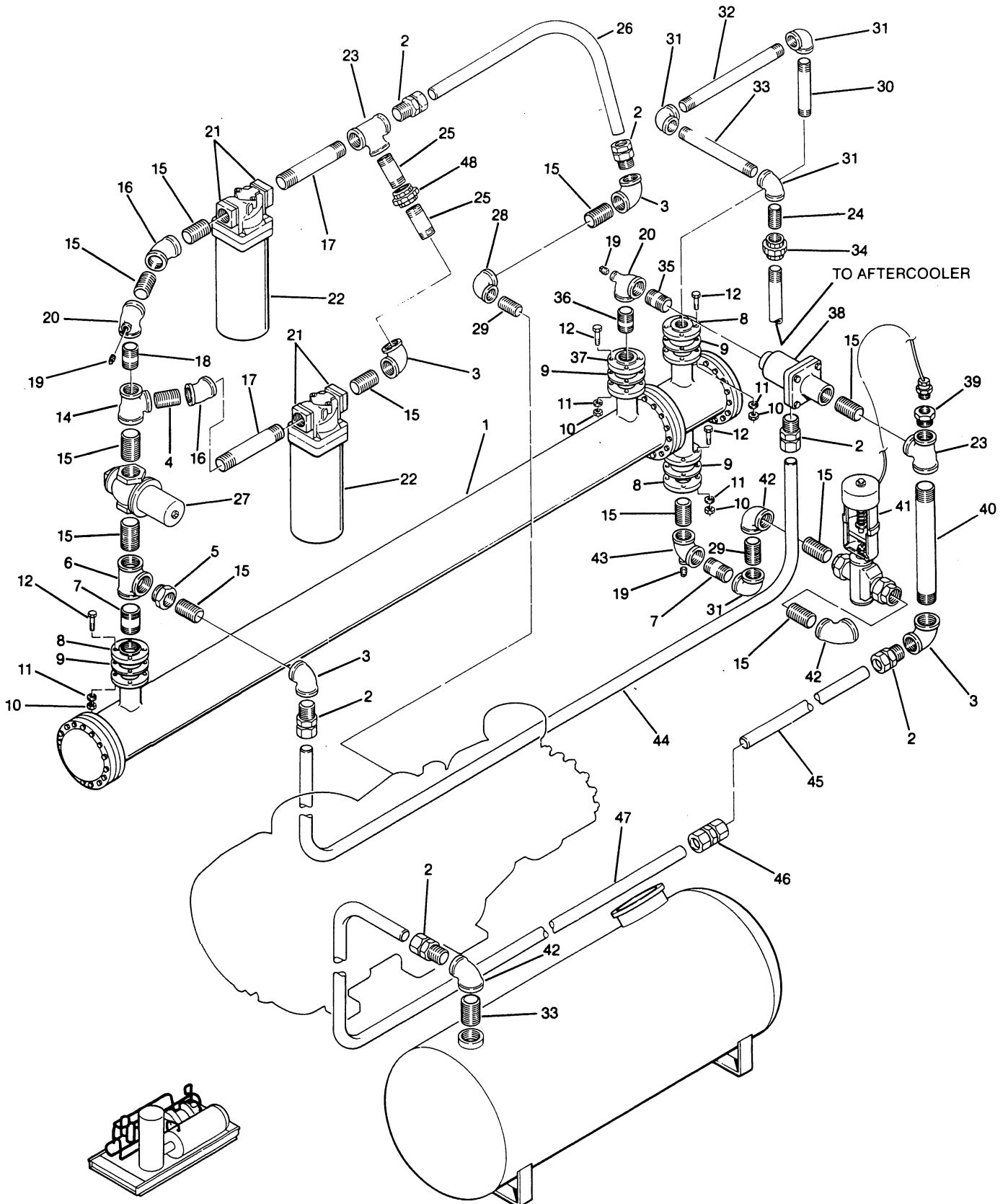
(III) For maintenance on thermal valve no. 041299, order repair kit no. 001084.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1

ILLUSTRATIONS AND PARTS LIST

1.11 FLUID COOLING SYSTEM - 500HP THROUGH 600HP (WATER-COOLED)



Section 1 ILLUSTRATIONS AND PARTS LIST

1.11 FLUID COOLING SYSTEM – 500HP THROUGH 600HP (WATER-COOLED)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	cooler, fluid	250007-801	1
2	connector, tube-m 2" x 2"	810232-200	6
3	elbow, pipe 90° 2"	801515-080	3
4	nipple pipe 2" x 2½"	822132-025	1
5	bushing, reducing hex 2½" x 2"	802110-080	1
6	tee, pipe 2½" x 2" x 2"	802210-088	1
7	nipple, pipe 2½" x 4"	822140-040	2
8	flange, threaded reducing 2½" x 7½"	819540-075	3
9	gasket, flange	240621-8	4
10	nut, hex ⅝"-11	824210-559	16
11	washer, springlock ⅝"	837510-156	16
12	capscrew, hex gr5 ⅝"-11 x 3"	828610-300	16
13	nipple, pipe 2½" x 6"	822140-060	1
14	tee, reducing 2"	802415-080	1
15	nipple, pipe 2" x close	822232-000	7
16	elbow, pipe 45° 2"	801415-080	2
17	nipple, pipe 2" x 9"	822132-090	2
18	nipple, pipe 2" x 3½"	822132-035	1
19	plug, pipe ½"	807800-020	3
20	tee, reducing 2" x ½" x 2"	802208-028	3
21	adaptor, port 2"	250007-220	4
22	filter, fluid (I)	250007-219	2
23	tee, pipe 2"	802415-080	1
24	nipple, pipe 2½" x close	822240-000	1
25	nipple, pipe 2" x 4"	822132-040	2
26	tube, fluid inlet 2"	250010-162	1
27	valve, fluid stop 2" (II)	016742	1
28	elbow, reducing 2" x ½"	801608-060	1
29	nipple, pipe 1½" x close	82224-000	1
30	nipple, pipe 2½" x 7"	822140-060	1
31	elbow, pipe 90° 2½"	801515-100	3
32	nipple, pipe 2½" x 14"	822140-140	1

(continued on Page 25)

(I) For maintenance on fluid filter no. 250007-219, order replacement kit no. 250008-956.

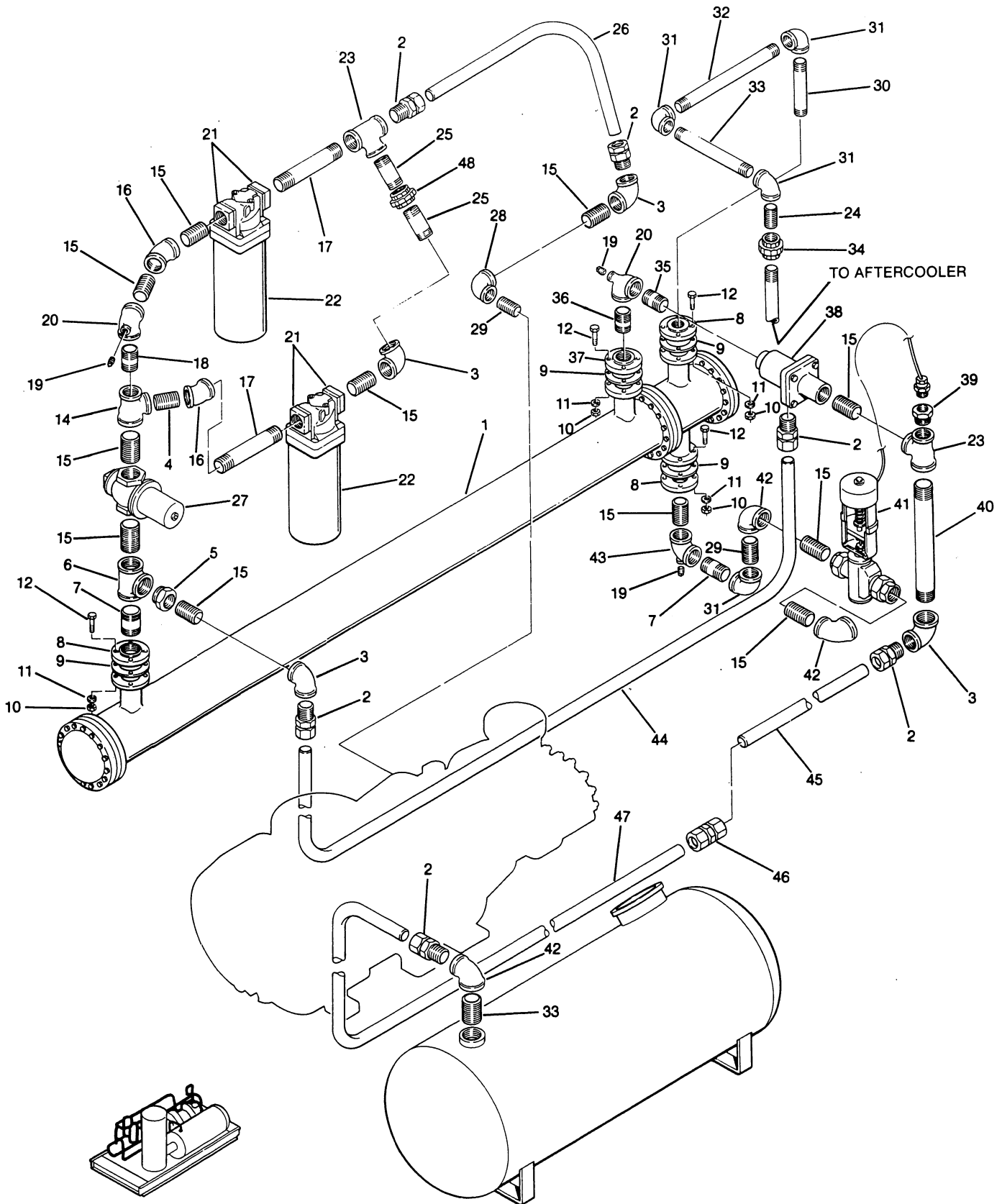
(II) For maintenance on fluid stop valve no. 016742, order repair kit no. 001684.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1

ILLUSTRATIONS AND PARTS LIST

1.11 FLUID COOLING SYSTEM - 500HP THROUGH 600HP (WATER-COOLED)



ILLUSTRATIONS AND PARTS LIST**1.11 FLUID COOLING SYSTEM - 500HP THROUGH 600HP (WATER-COOLED) (continued)**

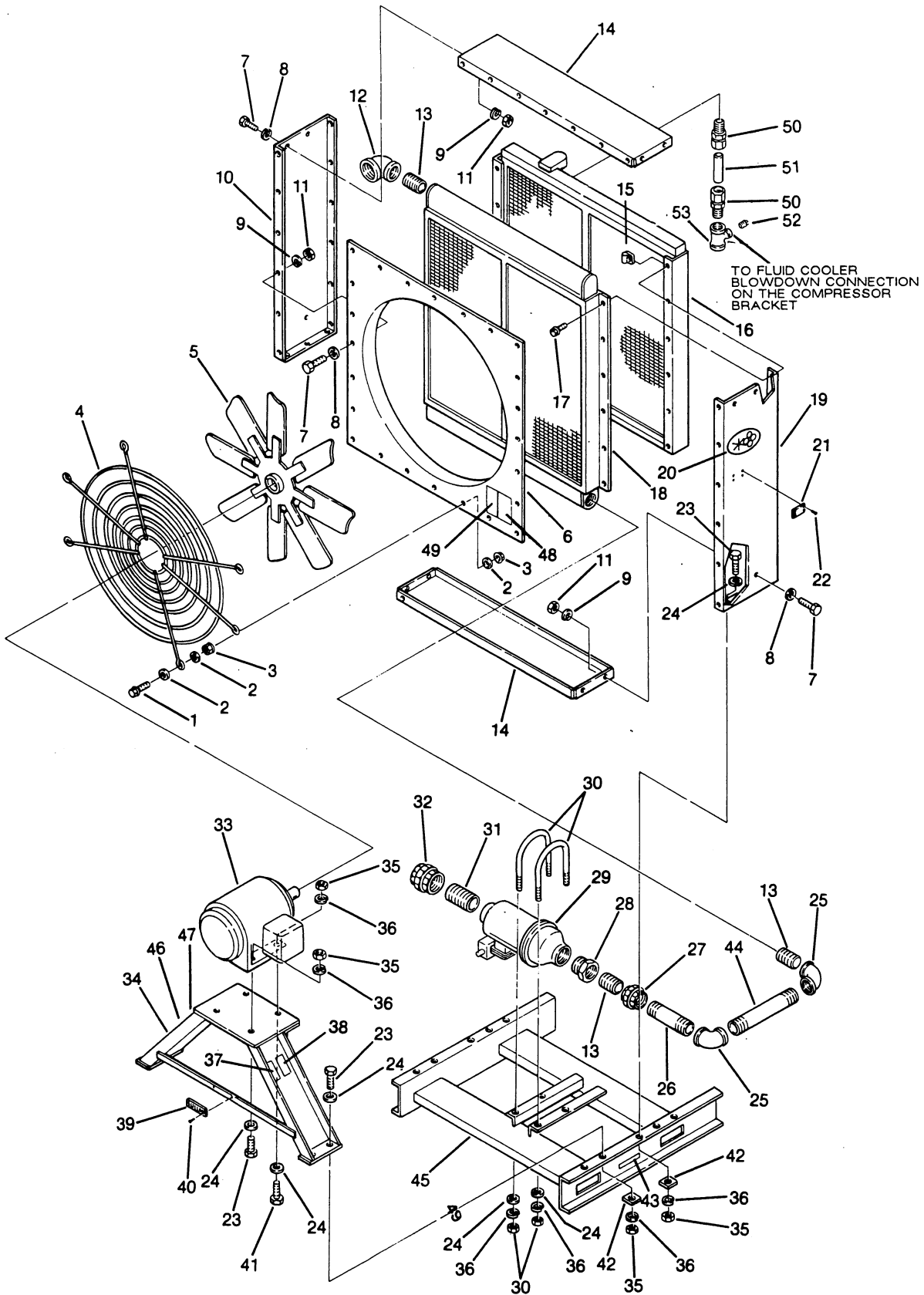
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
33	nipple, pipe 2½" x 9"	822140-090	1
34	union, pipe 2½"	802515-100	1
35	nipple, pipe 2" x 3"	822232-030	1
36	nipple, pipe 2" x 3"	822132-030	1
37	flange, threaded reducing 2" x 7½"	819532-075	1
38	valve, thermal 2" (III)	041299	1
39	bushing, reducing hex 2" x 1"	802108-040	1
40	nipple, pipe 2" x 16"	822132-160	1
41	valve, water regulating 2"	249970	1
42	elbow, reducing 2½" x 2"	801610-080	2
43	tee, reducing 2½" x ½" x 2½"	802210-020	1
44	tube, fluid bypass 2"	250010-163	1
45	tube, thermal valve in 2"	250010-165	1
46	union, tube hex 2"	811332-200	1
47	tube, separator out 2"	250010-164	1
48	union, pipe 2"	802515-080	1

(III) For maintenance on thermal valve no. 041299, order repair kit no. 001084.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

ILLUSTRATIONS AND PARTS LIST

1.12 REMOTE COOLER FLUID COOLING SYSTEM - 200HP THROUGH 250HP (AIR-COOLED)



Section 1 ILLUSTRATIONS AND PARTS LIST

1.12 REMOTE COOLER FLUID COOLING SYSTEM – 200HP THROUGH 250HP (AIR-COOLED)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	screw, hex serrated washer $\frac{5}{16}$ " x $1\frac{1}{4}$ "	829705-125	6
2	washer, pl-b regular unfinished $\frac{5}{16}$ "	837205-071	18
3	nut, hex flanged plated $\frac{1}{16}$ "-18	825305-283	12
4	guard, fan 42"	241283	1
5	fan, 42" diameter	406966	1
6	panel, Venturi	250001-202	1
7	capscrew, hex gr5 $\frac{3}{8}$ "-16 x 1"	828606-100	26
8	washer, pl-b regular unfinished $\frac{3}{8}$ "	837206-071	52
9	washer, springlock regular $\frac{3}{8}$ "	837506-094	26
10	panel, left hand	250001-207	1
11	nut, hex unfinished $\frac{3}{8}$ "-16	824206-337	26
12	elbow, reducing 3" x 2" 150#	801612-080	1
13	nipple, pipe xs 2" x close	822232-000	3
14	panel, top and bottom	250001-209	2
15	nut, retainer $\frac{5}{16}$ "-18	860905-163	12
16	cooler, fluid	040961	1
17	screw, hex serrated washer $\frac{5}{16}$ " x 1"	829705-100	12
18	aftercooler	041807	1
19	panel, right hand	250001-203	1
20	decal, trademark	040087A	2
21	nameplate, serial aluminum	040052	1
22	rivet, pop $\frac{1}{8}$ " x $\frac{3}{8}$ "	843102-038	4
23	capscrew, hex gr5 $\frac{1}{2}$ "-13 x 2"	828608-200	12
24	washer, pl-b regular unfinished $\frac{1}{2}$ "	837208-112	18
25	elbow, pipe 90° 2" 150#	801515-080	2
26	nipple, pipe 2" x 10"	822132-100	1
27	union, pipe brass seat 2" 150#	802515-080	1
28	bushing, reducer hex 3" x 2"	802112-080	1
29	separator, 3" combination trap/heater (I)	250004-596	1
30	u-bolt, $\frac{1}{2}$ " x 8" pipe	829008-800	2
31	nipple, pipe xs 3" x close	822248-000	1
32	union, pipe brass seat 3" 150#	802515-120	1
33	motor, 7.5 HP	050795	1
34	support, motor	250001-197	1

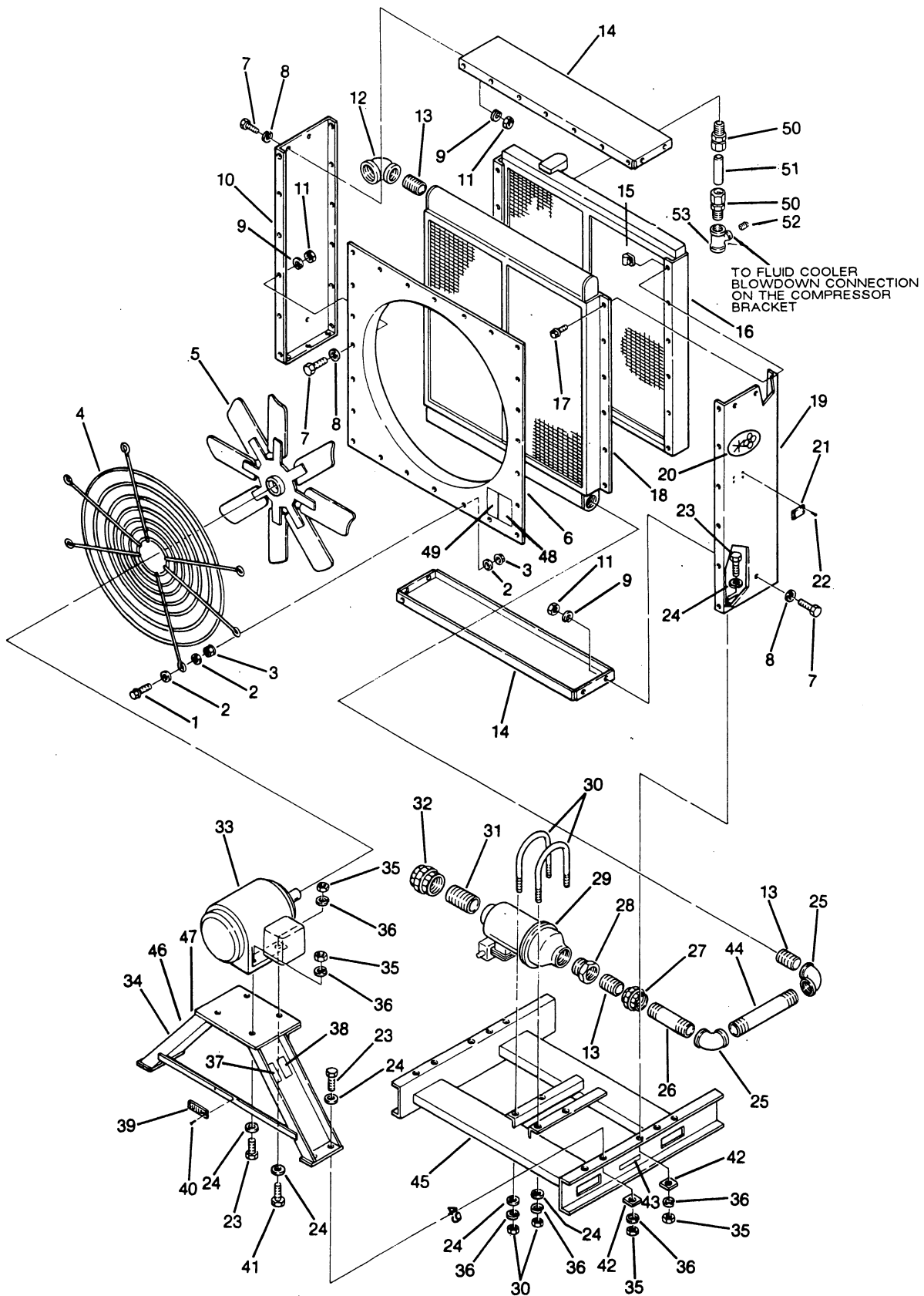
(continued on Page 29)

(I) For maintenance on combination trap with heater separator no. 250004-596, order repair kit no. 250033-036, and heater element replacement no. 245572.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1 ILLUSTRATIONS AND PARTS LIST

1.12 REMOTE COOLER FLUID COOLING SYSTEM - 200HP THROUGH 250HP (AIR-COOLED)



Section 1

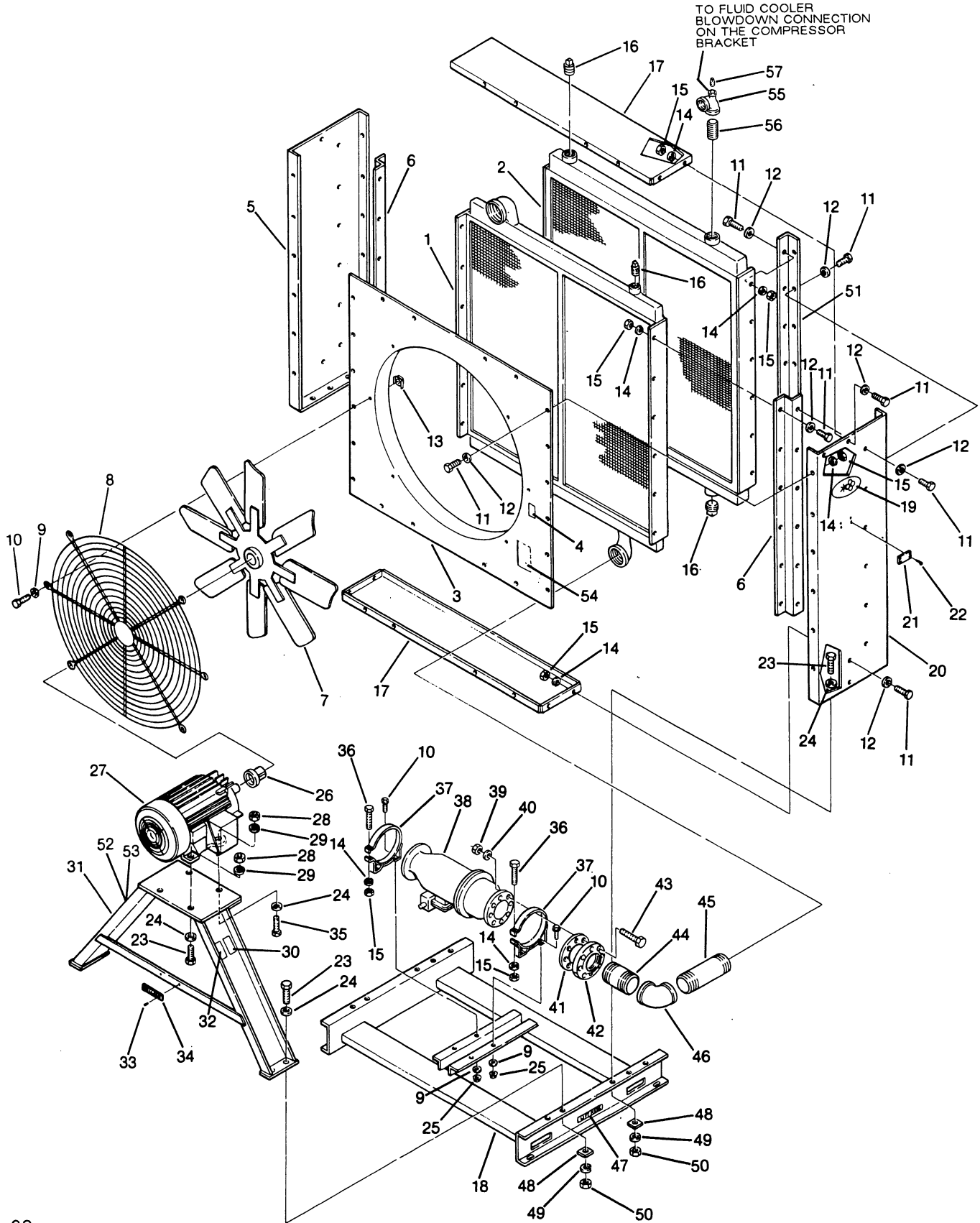
ILLUSTRATIONS AND PARTS LIST**1.12 REMOTE COOLER FLUID COOLING SYSTEM - 200HP THROUGH 250HP (AIR-COOLED)**
(continued)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
35	nut, hex unfinished ½"-13	824208-448	14
36	washer, springlock regular ½"	837508-125	18
37	sign, danger electrocution	049850	1
38	sign, warning compressor fluid fill cap	049685	1
39	nameplate, Sullair	041043	1
40	fastener, suregrip	041516	2
41	capscrew, hex gr5 5½"-13 x 1¼"	828608-200	12
42	washer, bevel ½"	837008-125	10
43	decal, fork lifting	241814	2
44	nipple, pipe 2" x 16"	822132-160	1
45	frame, base	250001-191	1
46	decal, warning "food grade" lube	250003-144	1
47	decal, danger breath air	250007-935	1
48	decal, warning sever (fan)	049855	1
49	decal, warning sever fan port	049965	1
50	connector, tube 2"	810232-200	2
51	tube, 2"	841115-032	0.5 feet
52	plug, pipe ½"	807800-020	1
53	tee, reducing 2"	802208-082	1

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

ILLUSTRATIONS AND PARTS LIST

1.13 REMOTE COOLER FLUID COOLING SYSTEM - 300HP THROUGH 350HP (AIR-COOLED)



Section 1

ILLUSTRATIONS AND PARTS LIST

1.13 REMOTE COOLER FLUID COOLING SYSTEM - 300HP THROUGH 350HP (AIR-COOLED)

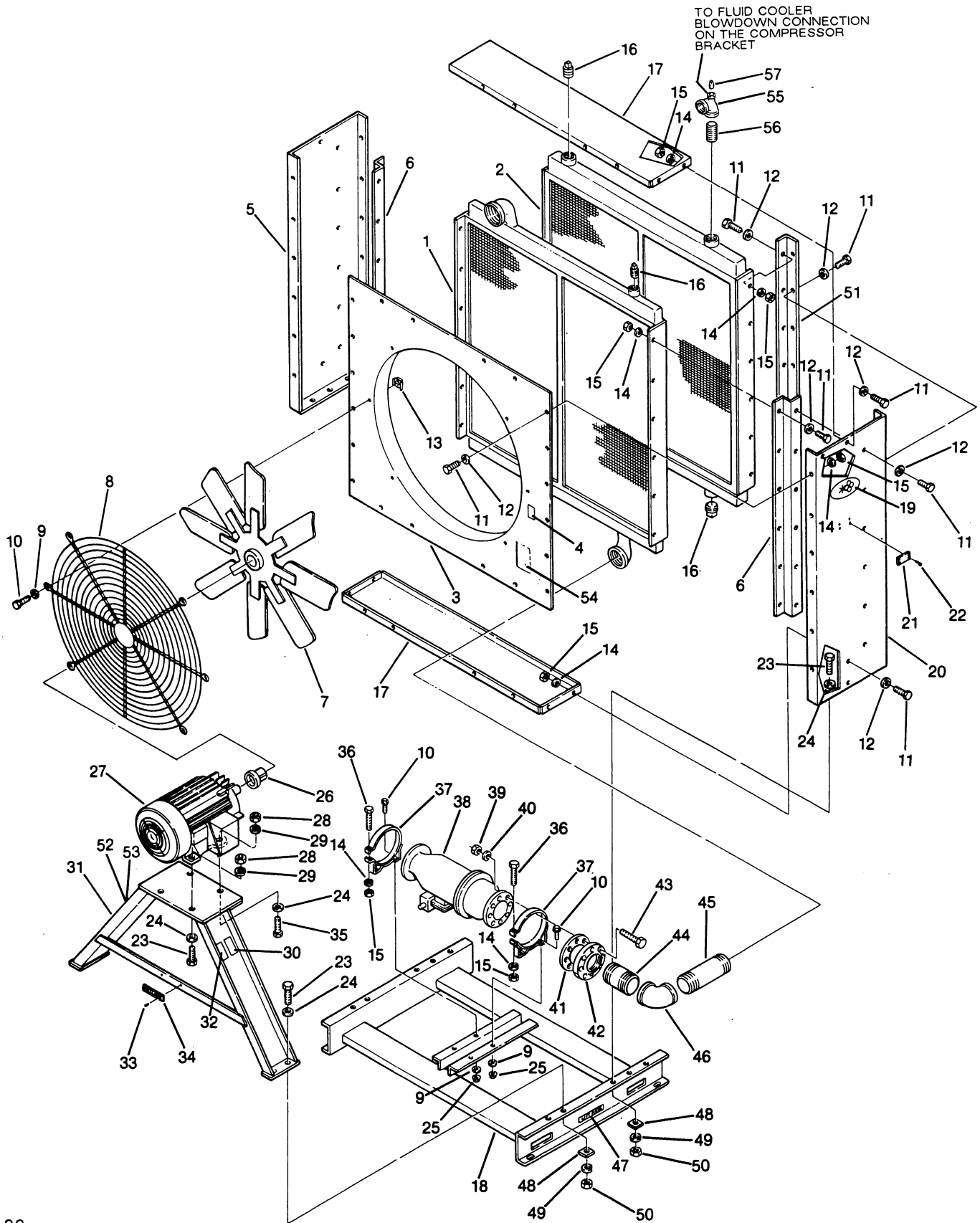
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	core, aftercooler	049984	1
2	core, a/c fluid cooler	250004-201	1
3	shroud, fan	250000-467	1
4	sign, warning-sever (fan)	049855	1
5	panel, left hand	250000-468	1
6	bracket, ac	250000-475	2
7	fan, 48" 8 blade 35° pitch	049986	1
8	guard, fan 48"	241247	1
9	washer, pl-b regular unfinished $\frac{5}{16}$ "	837205-071	10
10	screw, hex serrated washer $\frac{5}{16}$ " x $\frac{3}{4}$ "	829705-075	10
11	capscrew, hex gr5 $\frac{3}{8}$ "-16 x 1"	828606-100	76
12	washer, pl-b regular unfinished $\frac{3}{8}$ "	837206-071	96
13	nut, retainer $\frac{5}{16}$ "-18 .092	861405-092	1
14	washer, springlock regular $\frac{3}{8}$ "	837506-094	78
15	nut, hex unfinished $\frac{3}{8}$ "-16	824206-337	54
16	plug, pipe 2" 150#	802815-080	4
17	panel, top and bottom	250000-474	2
18	frame, ac base	250000-454	1
19	decal, trademark	040087A	2
20	panel, right hand	250000-472	1
21	nameplate, serial number aluminum	040052	1
22	rivet, pop $\frac{1}{8}$ " x $\frac{3}{8}$ "	843102-038	4
23	capscrew, hex gr5 $\frac{1}{2}$ "-13 x 2"	828608-200	12
24	washer, pl-b regular unfinished $\frac{1}{2}$ "	837208-112	12
25	nut, hex flanged plated $\frac{5}{16}$ "-18	825305-283	4
26	bushing, taper	042520	1
27	motor, 15HP tefc	050387	1
28	nut, hex unfinished $\frac{1}{2}$ "-13	824208-448	14
29	washer, springlock regular $\frac{1}{2}$ "	837508-125	14
30	sign, warning-compressor fluid fill cap	049685	1
31	support, motor	250000-461	1
32	sign, danger electrocution	049850	1
33	rivet, pop	041516	2
34	nameplate, Sullair	041043	1
35	capscrew, hex gr5 $\frac{1}{2}$ "-13 x 2 $\frac{1}{2}$ "	828608-250	2
36	capscrew, hex gr5 $\frac{3}{8}$ "-16 x 4"	828606-400	2
37	band, 9" air filter	049104	2

(continued on Page 33)

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

ILLUSTRATIONS AND PARTS LIST

1.13 REMOTE COOLER FLUID COOLING SYSTEM - 300HP THROUGH 350HP (AIR-COOLED)



Section 1

ILLUSTRATIONS AND PARTS LIST**1.13 REMOTE COOLER FLUID COOLING SYSTEM – 300HP THROUGH 350HP (AIR-COOLED)
(continued)**

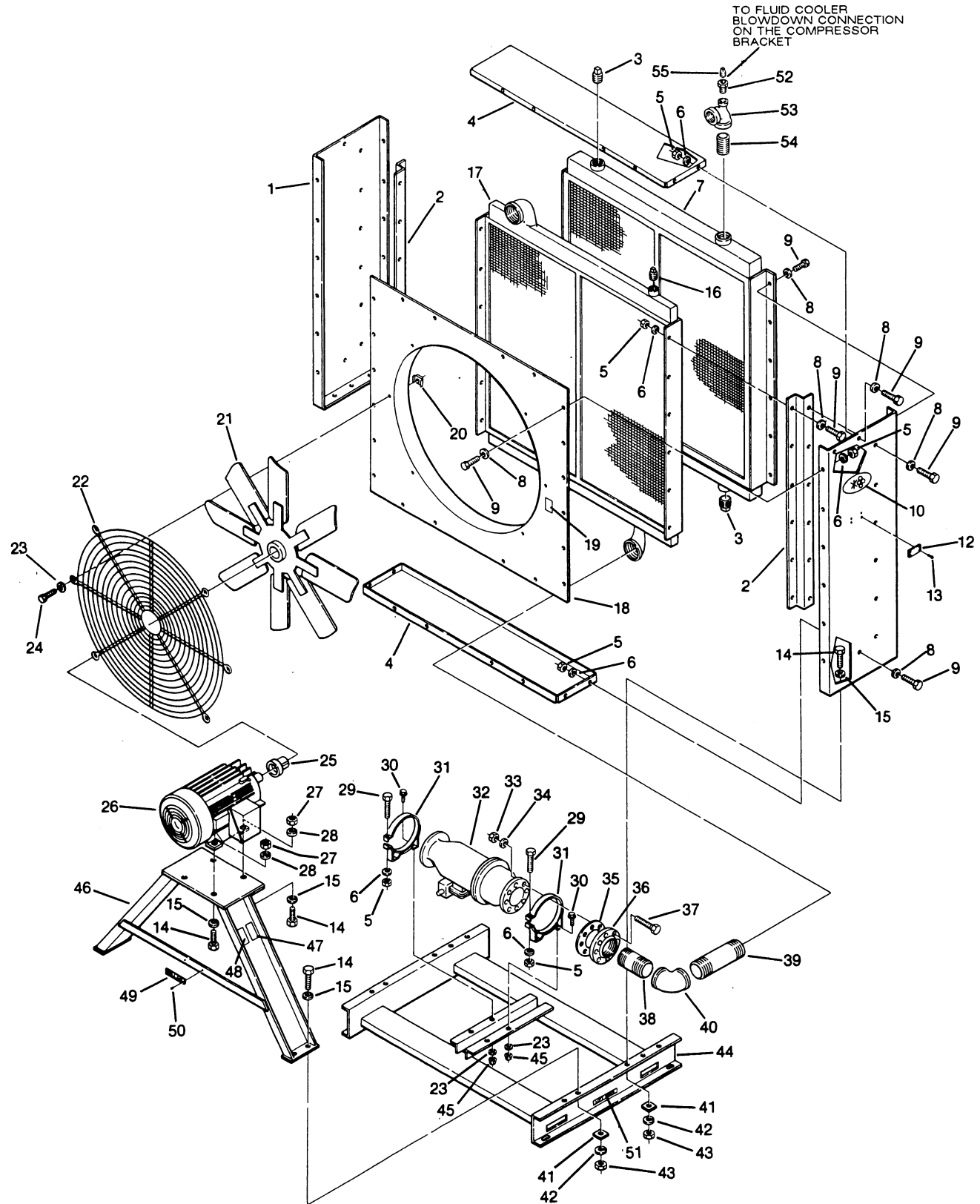
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
38	separator, 4" combination trap/heater (I)	250004-597	1
39	nut, hex unfinished $\frac{5}{8}$ "-11	824210-559	8
40	washer, springlock regular $\frac{5}{8}$ "	837510-156	8
41	gasket, 4" 125# flange full force	242437-010	1
42	flange, threaded 4" 125#	818312-064	1
43	capscrew, hex gr5 $\frac{5}{8}$ "-11 x 3"	828610-300	8
44	nipple, pipe 4" x 8"	822164-080	1
45	nipple, pipe 4" x 14"	822164-140	1
46	elbow, pipe 90° 4" 150#	801515-160	1
47	decal, fork lifting	241814	2
48	washer, bevel $\frac{1}{2}$ "	837008-125	10
49	washer, springlock regular $\frac{1}{2}$ "	837508-125	14
50	nut, hex unfinished $\frac{1}{2}$ "-13	824208-448	14
51	angle, 2" x $1\frac{1}{4}$ " x 58"	250001-565	2
52	decal, warning "food grade" lube	250003-144	1
53	decal, danger breath air	250007-935	1
54	decal, warning-sever-fan-port	049965	1
55	tee, reducing 2" x $\frac{1}{2}$ " x 2"	802208-028	1
56	nipple, pipe 2" x close	822232-000	1
57	plug, pipe $\frac{1}{2}$ "	807800-020	1

(I) For maintenance on combination trap with heater separator no. 250004-597, order repair kit no. 250033-036, and heater element replacement no. 245572.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1 ILLUSTRATIONS AND PARTS LIST

1.14 REMOTE COOLER FLUID COOLING SYSTEM - 400HP THROUGH 450HP (AIR-COOLED)



Section 1 ILLUSTRATIONS AND PARTS LIST

1.14 REMOTE COOLER FLUID COOLING SYSTEM - 400HP THROUGH 450HP (AIR-COOLED)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	panel, left hand	250000-468	1
2	bracket	250000-475	2
3	plug, pipe 3" 150#	802815-120	2
4	panel, top and bottom	250000-474	2
5	nut, hex unfinished $\frac{3}{8}$ "-16	824206-337	42
6	washer, springlock regular $\frac{3}{8}$ "	837506-094	66
7	core, cooler 64" x 62"	250007-856	1
8	washer, pl-b regular unfinished $\frac{3}{8}$ "	837206-071	84
9	capscrew, hex gr5 $\frac{3}{8}$ "-16 x 1"	828606-100	64
10	decal, trademark	040087A	2
11	panel, right side	250000-472	1
12	nameplate, serial number aluminum	040052	1
13	rivet, pop $\frac{1}{8}$ " x $\frac{3}{8}$ "	843102-038	4
14	capscrew, hex gr5 $5\frac{1}{2}$ "-13 x 2"	828608-200	12
15	washer, pl-b regular unfinished $\frac{1}{2}$ "	837208-112	14
16	pipe, 2" 150#	802815-080	1
17	core, aftercooler	049984	1
18	panel, Venturi 48"	250000-467	1
19	sign, warning-sever (fan)	049855	1
20	nut, retainer $\frac{5}{16}$ "-18	861405-092	6
21	fan, 48" blade 35° pitch	049986	1
22	guard, fan 48"	241347	1
23	washer, pl-b regular unfinished $\frac{5}{16}$ "	837205-071	4
24	screw, hex serrated washer $\frac{5}{16}$ " x $\frac{3}{4}$ "	829705-075	10
25	bushing, taper	042520	1
26	motor, 15HP tefc	050387	1
27	nut, hex unfinished $\frac{1}{2}$ "-13	824208-448	14
28	washer, springlock regular $\frac{1}{2}$ "	837508-125	14
29	capscrew, hex gr5 $\frac{3}{8}$ "-16 x 4"	828606-400	2
30	screw, hex serrated washer $\frac{5}{16}$ " x $\frac{3}{4}$ "	829705-075	10
31	band, 9" air filter	049104	2
32	separator, 4" combination trap/heater (I)	250004-597	1
33	nut, hex unfinished $\frac{5}{8}$ "-11	824210-559	8
34	washer, springlock regular $\frac{5}{8}$ "	837510-156	8

(I) For maintenance on combination trap with heater separator no. 250004-597, order repair kit no. 250033-036, and heater element replacement no. 245572.

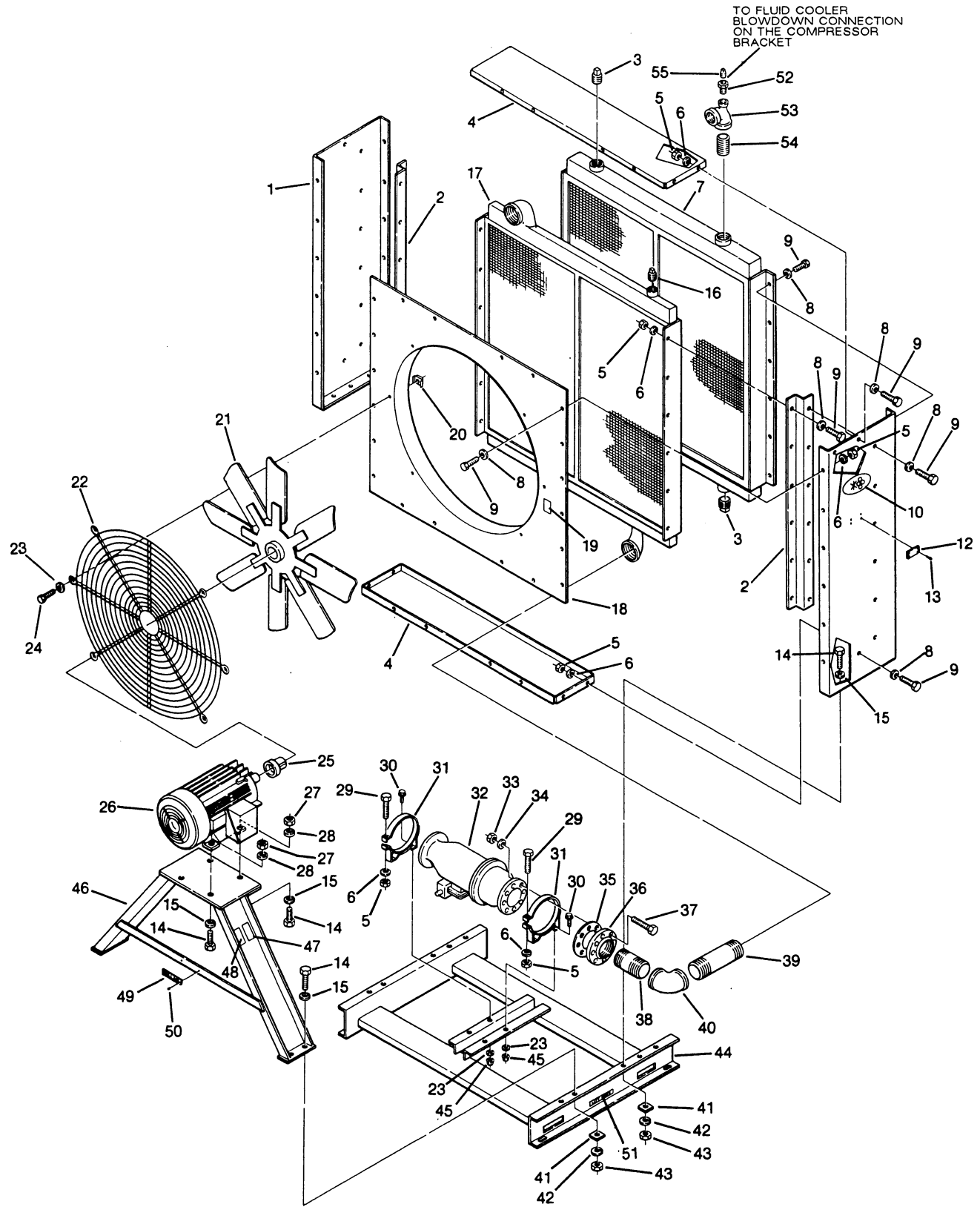
(continued on Page 37)

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1

ILLUSTRATIONS AND PARTS LIST

1.14 REMOTE COOLER FLUID COOLING SYSTEM - 400HP THROUGH 450HP (AIR-COOLED)



Section 1

ILLUSTRATIONS AND PARTS LIST**1.14 REMOTE COOLER FLUID COOLING SYSTEM - 400HP THROUGH 450HP (AIR-COOLED)
(continued)**

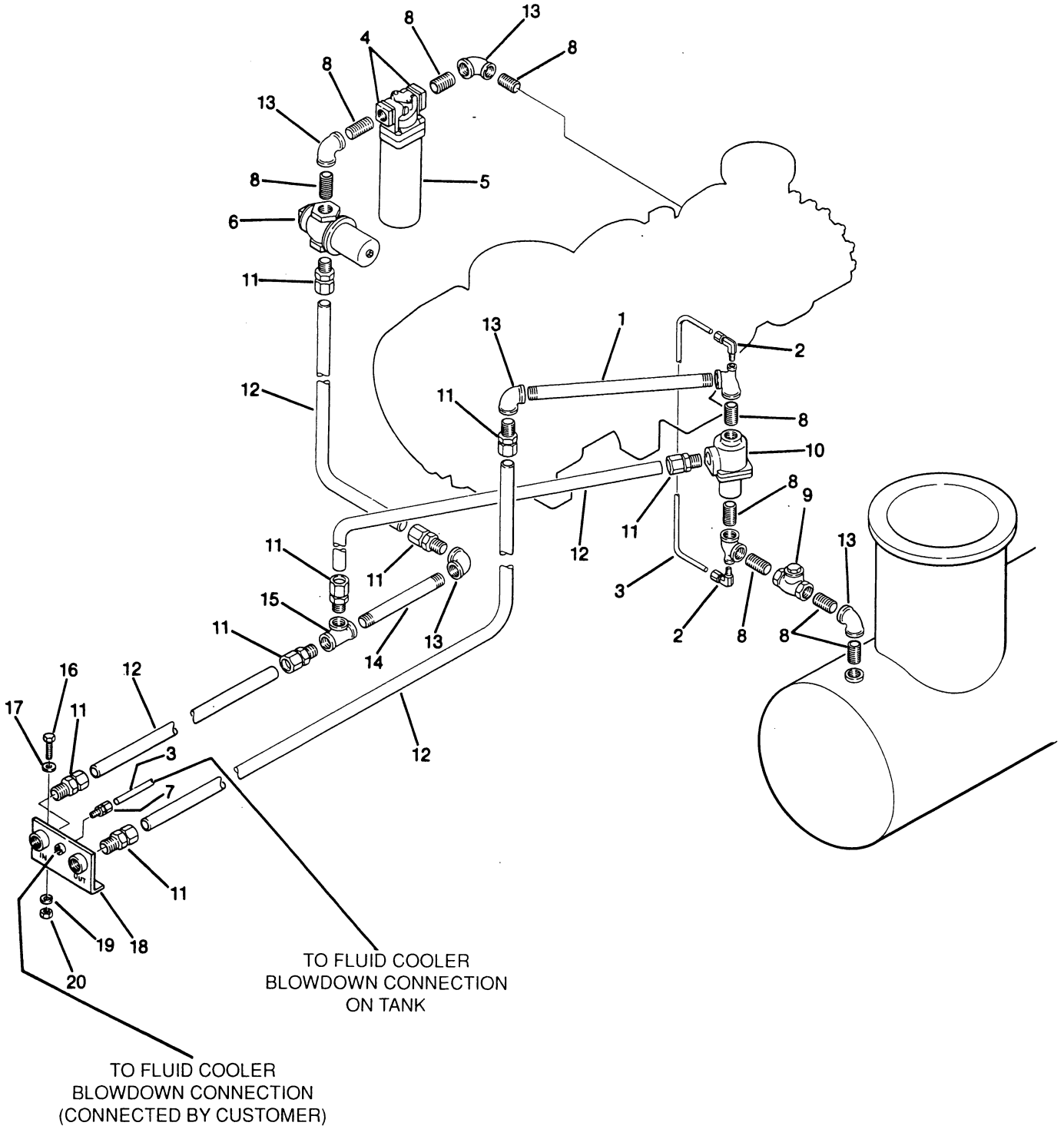
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
35	gasket, 4" 125# flange full face	242437-010	1
36	flange, threaded 4" 125#	818312-064	1
37	capscrew, hex gr5 $\frac{5}{8}$ "-11 x 3"	828610-300	8
38	nipple, pipe 4" x 8"	822164-080	1
39	nipple, pipe 4" x 16"	822164-140	1
40	elbow, pipe 90° 4" 150#	801515-160	1
41	washer, bevel $\frac{1}{2}$ "	837008-125	10
42	washer, springlock regular $\frac{1}{2}$ "	837508-125	14
43	nut, hex unfinished $\frac{1}{2}$ "-13	824208-448	14
44	frame	250000-454	1
45	nut, hex flanged plated $\frac{5}{16}$ "-18	825305-283	4
46	support, motor	250000-461	1
47	sign, warning compressor fluid fill cap	049685	1
48	sign, danger electrocution	049850	1
49	nameplate, Sullair	041043	1
50	fastener, suregrip	041516	2
51	decals, fork lifting	241814	2
52	bushing, reducing 1" x $\frac{1}{2}$ "	802104-020	1
53	tee, reducing 3" x 1" x 3"	802212-042	1
54	nipple, pipe 3" x close	822248-000	1
55	plug, pipe $\frac{1}{2}$ "	807800-020	1

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1

ILLUSTRATIONS AND PARTS LIST

1.15 REMOTE COOLER FLUID COOLING PIPING - 200HP THROUGH 300HP (AIR-COOLED)



Section 1

ILLUSTRATIONS AND PARTS LIST**1.15 REMOTE COOLER FLUID COOLING PIPING - 200HP THROUGH 300HP (AIR-COOLED)**

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	nipple, 2" X 24"	822132-240	1
2	elbow, tube ½"t x ½"mnpt	810508-050	2
3	tube, ½" steel	841115-008	12 feet
4	adaptor, port 2"	250007-220	2
5	filter, fluid (I)	250007-219	1
6	valve, fluid stop 2" (II)	016742	1
7	connector, tube-m ½" x ½"	810208-050	2
8	nipple, pipe 2" close	822224-000	8
9	valve, check 2"	040671	1
10	valve, thermal 2" (III)	041299	1
11	connector, tube-m 2" x 2"	810232-200	8
12	tubing, steel 2"	841115-032	30 feet
13	elbow, pipe 2" 90°	801515-080	3
14	nipple, pipe 2" x 16"	822132-160	1
15	tee, pipe 2"	802415-080	1
16	capscrew, hex gr5 ½"-13 x 1½"	828608-150	2
17	washer, pl-b regular unfinished ½"	837208-112	2
18	bracket, in-out 2"	250008-245	1
19	washer, springlock ½"	837508-125	2
20	nut, hex ½"-13	824208-448	2

(I) For maintenance on fluid filter no. 250007-219, order repair kit no. 250008-956.

(II) For maintenance on fluid stop valve no. 016742, order repair kit no. 001684.

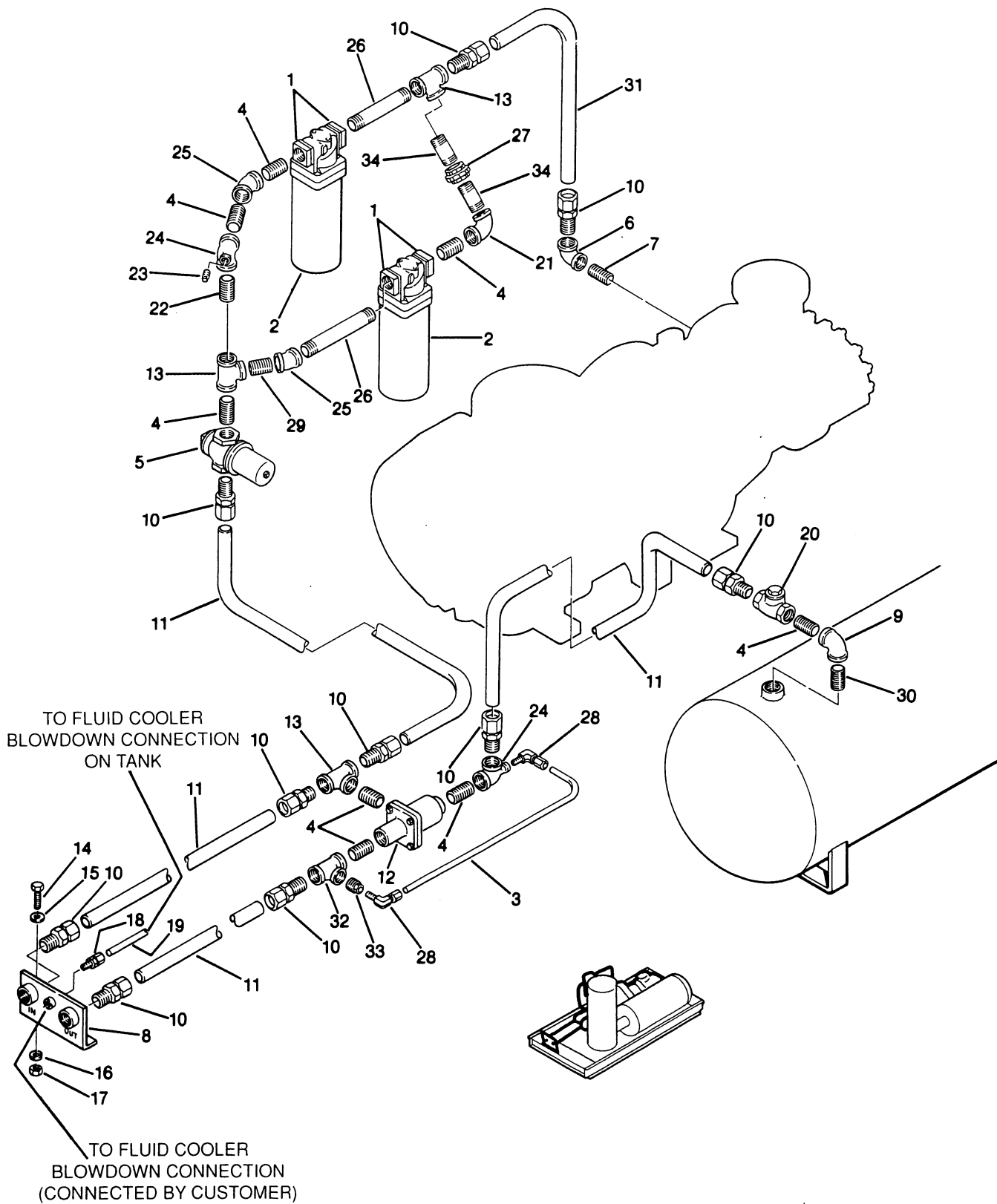
(III) For maintenance on thermal valve no. 041299, order repair kit no. 001084.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1

ILLUSTRATIONS AND PARTS LIST

1.16 REMOTE COOLER FLUID COOLING PIPING - 400HP (AIR-COOLED)



ILLUSTRATIONS AND PARTS LIST

1.16 REMOTE COOLER FLUID COOLING PIPING - 400HP (AIR-COOLED)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	adaptor, port 2"	250007-220	4
2	filter, fluid (I)	250007-219	2
3	tubing, steel ½"	841115-008	17 feet
4	nipple, pipe 2" x close	822232-000	5
5	valve, fluid stop 2" (II)	016742	1
6	elbow, reducing pipe 2" x 1½"	801608-060	1
7	nipple, pipe 1½" x close	822224-000	1
8	bracket, in-out 2"	250008-245	1
9	elbow, reducing pipe 2½" x 2"	801610-080	1
10	connector, tube-m 2" x 2"	810232-200	9
11	tubing, steel 2"	841115-032	24 feet
12	valve, thermal 2" (III)	041299	1
13	tee, pipe 2"	802415-080	3
14	capscrew, hex gr5 ½"-13 x 1½"	828608-150	2
15	washer, regular ½"	837208-112	2
16	washer, springlock ½"	837508-125	2
17	nut, hex ½"-13	824208-448	2
18	connector, tube-m ½" x ½"	810208-050	1
19	tubing, steel ½"	841115-008	1 foot
20	valve, check 2"	040671	1
21	elbow, pipe 90° 2"	801515-080	1
22	nipple, pipe 2" x 3½"	822132-005	1
23	plug, pipe ½"	807800-020	1
24	tee, reducing 2" x ½" x 2"	802208-028	1
25	elbow, pipe 45° 2"	801415-080	2
26	nipple, pipe 2" x 9"	822132-090	2
27	union, pipe 2"	802515-080	1
28	elbow, tube-m ½" x ½"	810508-050	2
29	nipple, pipe 2" x 2½"	822132-025	1
30	nipple, pipe 2½" x close	822240-000	1
31	tube, fluid inlet 2"	250010-162	1
32	tee, reducing 2" x 2" x 1¼"	802208-085	1
33	bushing, reducing 1¼" x ½"	807605-020	1
34	nipple, pipe 2" x 4"	822132-040	1

(I) For maintenance on fluid filter no. 250007-219, order repair kit no. 250008-956.

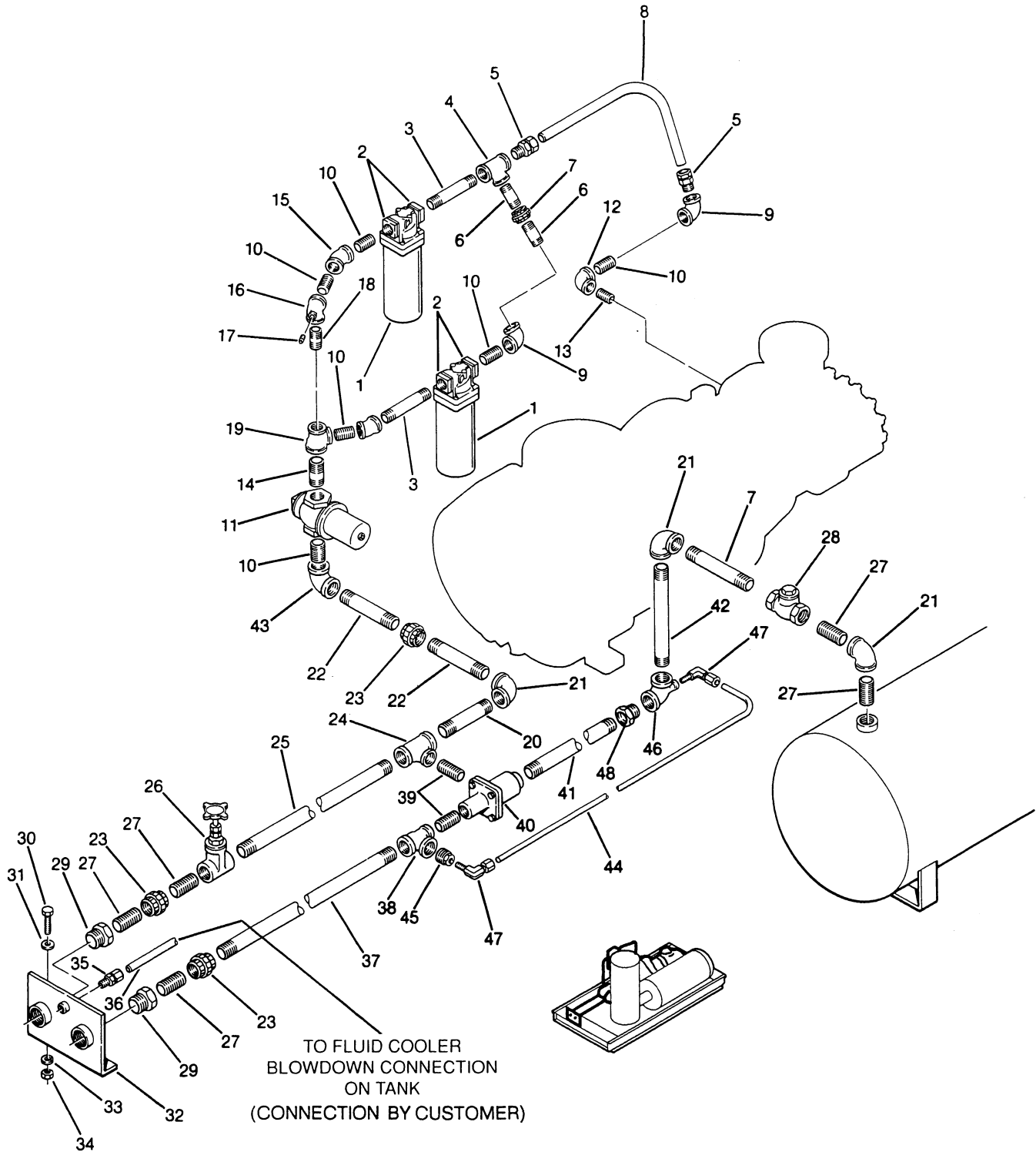
(II) For maintenance on fluid stop valve no. 016742, order repair kit no. 001684.

(III) For maintenance on thermal valve no. 041299, order repair kit no. 001084.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1
ILLUSTRATIONS AND PARTS LIST

1.17 REMOTE COOLER FLUID COOLING PIPING - 500HP THROUGH 600HP (AIR-COOLED)



ILLUSTRATIONS AND PARTS LIST

1.17 REMOTE COOLER FLUID COOLING PIPING - 500HP THROUGH 600HP (AIR-COOLED)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	filter, fluid (I)	250007-219	2
2	adapter, port 2"	250007-220	4
3	nipple, pipe 2" x 9"	822132-090	2
4	tee, pipe 2"	802415-080	1
5	connector, tube-m 2" x 2"	810232-200	2
6	nipple, pipe 2" x 4" long	822132-040	2
7	union, pipe 2"	802515-080	1
8	tube, fluid inlet 2"	250010-162	1
9	elbow, pipe 90° 2"	801515-080	2
10	nipple, pipe 2" x close	822232-000	6
11	valve, fluid stop 2" (II)	016742	1
12	elbow, reducing 2" x 1½"	801608-060	1
13	nipple, pipe 1½" x close	822224-000	1
14	nipple, pipe 2½" x 12"	822140-120	1
15	elbow, pipe 45° 2"	801415-080	2
16	tee, reducing 2" x ½" x 2"	802208-028	1
17	plug, pipe ½"	807800-020	1
18	nipple, pipe 2" x 3½"	822132-035	1
19	tee, reducing 2½" x 2" x 2"	802210-088	1
20	nipple, pipe 2½" x 14"	822140-140	1
21	elbow, pipe 90° 2½"	801515-100	5
22	nipple, pipe 2½" x 11"	822140-110	2
23	union, pipe 2½"	802515-100	3
24	tee, reducing 2½" x 2½" x 2"	802210-108	1
25	nipple, pipe 2½" x 60"	822140-600	1
26	valve, globe 2½"	041179	1
27	nipple, pipe 2½" x close	822240-000	5
28	valve, check 2½"	042047	1
29	bushing, reducing 2½" x 3"	802112-100	2
30	capscrew, ½" x 2"	828608-200	2
31	washer, regular ½"	837208-112	2
32	bracket, in-out	250016-803	1

(continued on Page 45)

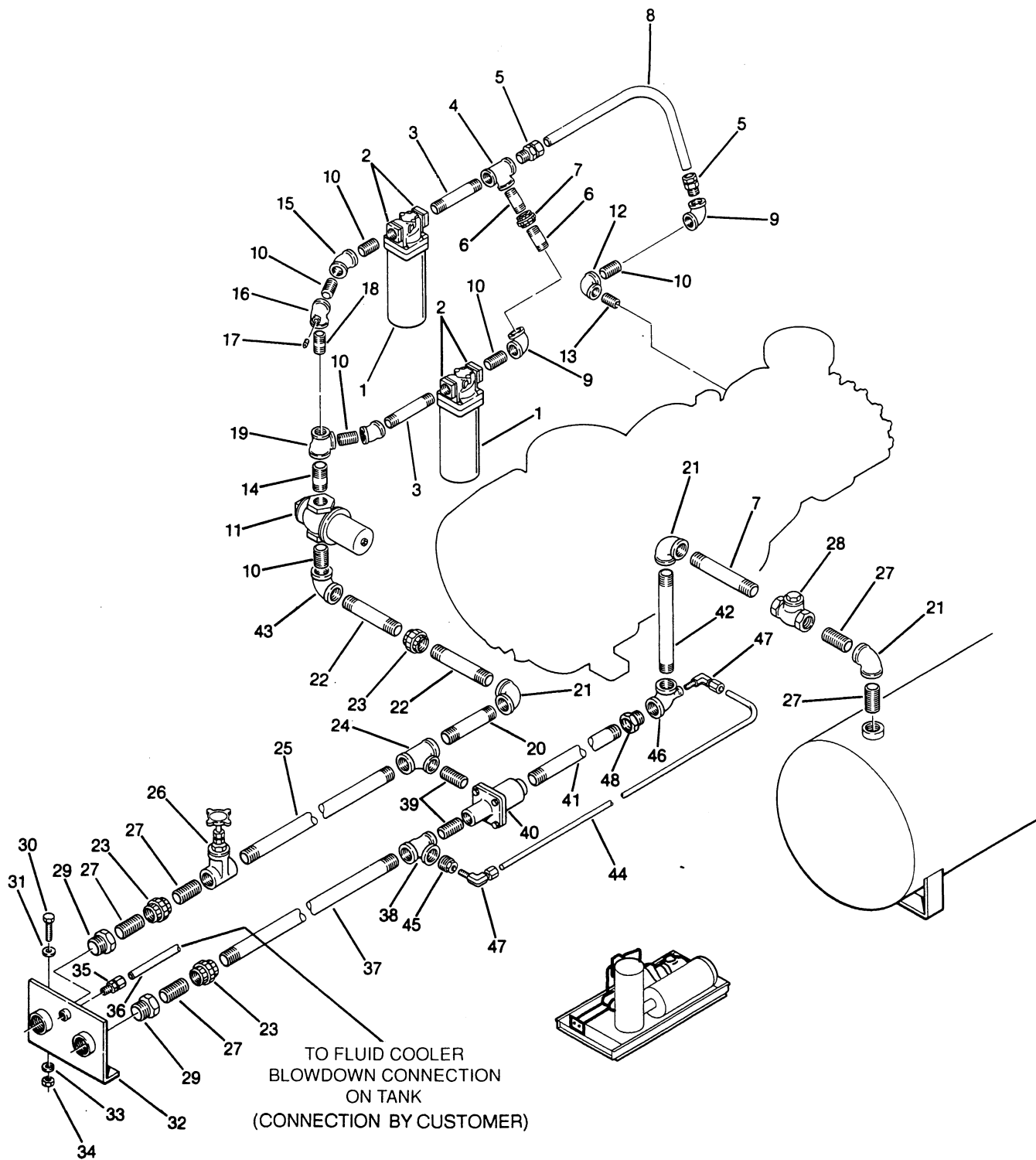
(I) For maintenance on fluid filter no. 250007-219, order repair kit no. 250008-956.

(II) For maintenance on fluid stop valve no. 016742, order repair kit no. 001684.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1 ILLUSTRATIONS AND PARTS LIST

1.17 REMOTE COOLER FLUID COOLING PIPING - 500HP THROUGH 600HP (AIR-COOLED)



Section 1

ILLUSTRATIONS AND PARTS LIST1.17 REMOTE COOLER FLUID COOLING PIPING – 500HP THROUGH 600HP (AIR-COOLED)
(continued)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
33	washer, springlock ½"	837508-125	2
34	nut, hex ½"	824208-448	2
35	connector, tube-m ½" x ½"	810208-050	2
36	tube, steel ½"	841115-008	12 feet
37	nipple, pipe 2½" x 62"	822140-620	1
38	coupling, reducing 2½" x 2"	250018-298	1
39	nipple, pipe 2" x close	822232-000	6
40	valve, thermal (III)	041299	1
41	nipple, pipe 2½" x 24"	822140-240	1
42	nipple, pipe 2½" x 18"	822140-180	1
43	elbow, reducing 2½" x 2"	801610-080	1
44	tubing, steel ½"	841115-008	3 feet
45	bushing, reducing 1½" x ½"	807606-020	1
46	tee, reducing 2½" x ½" x 2½"	802210-020	1
47	elbow, tube-m ½" x ½"	810508-050	2
48	bushing, reducing 2½" x 2"	807610-080	1

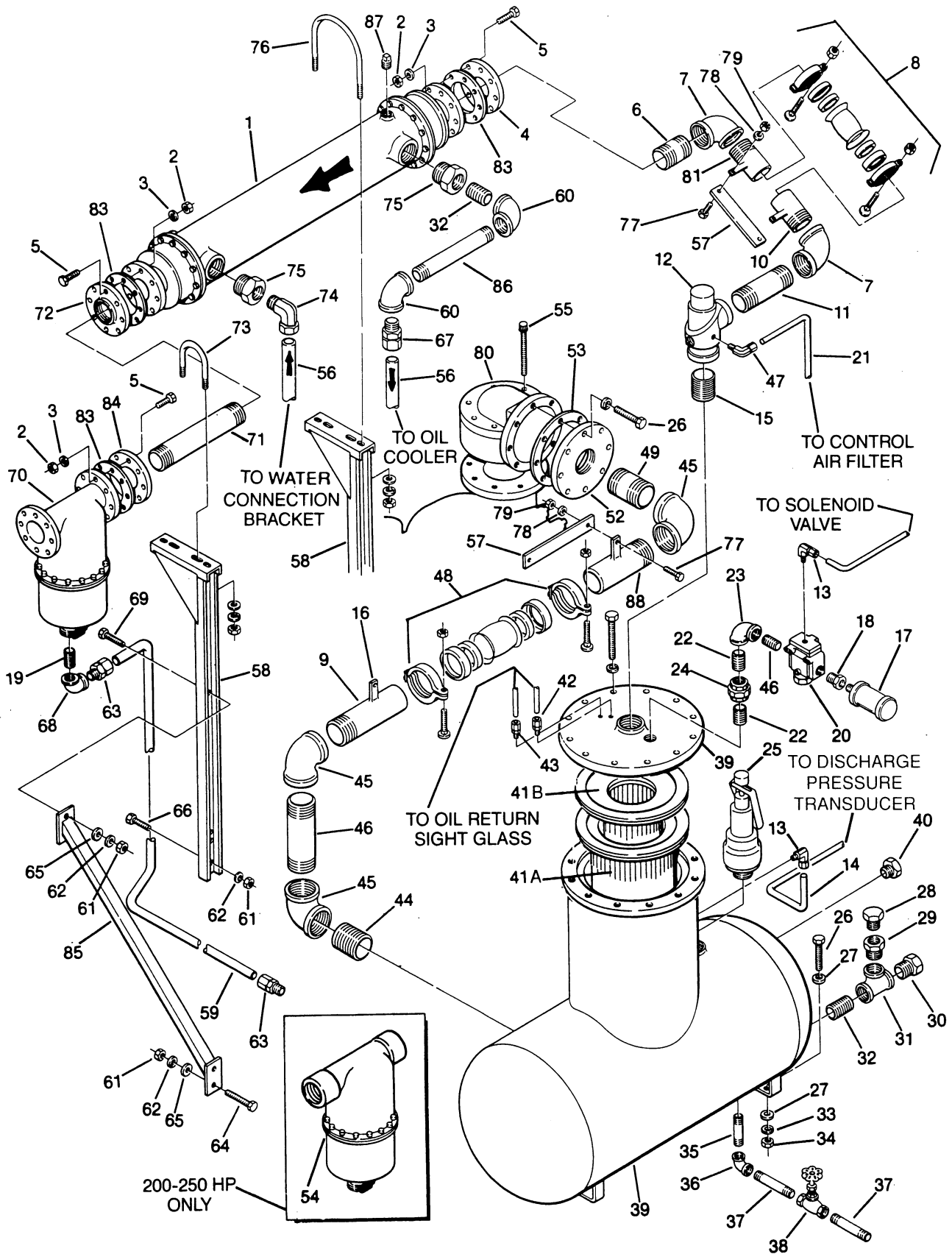
(III) For maintenance on thermal valve no. 041299, order repair kit no. 001084.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1

ILLUSTRATIONS AND PARTS LIST

1.18 COMPRESSOR DISCHARGE SYSTEM - 200HP THROUGH 300HP (WATER-COOLED)



Section 1 ILLUSTRATIONS AND PARTS LIST

1.18 COMPRESSOR DISCHARGE SYSTEM - 200HP THROUGH 300HP (WATER-COOLED)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	aftercooler, water-cooled	042950	1
2	nut, hex $\frac{5}{8}$ "	829210-559	24
3	washer, springlock $\frac{5}{8}$ "	837510-156	24
4	flange, threaded reducing 3" x 9"	819548-090	1
5	capscrew, hex gr5 $\frac{5}{8}$ " x 3"	828610-300	24
6	nipple, pipe 3" x 3"	822148-030	1
7	elbow, pipe 90° 3"	801515-120	2
8	coupling, flexible 3" (I)	040327	1
9	nipple, half pipe 4" x 15"	822864-150	1
10	nipple, half pipe 3" x 7 $\frac{1}{2}$ "	822848-075	1
11	nipple, pipe 3" x 9"	822148-090	1
12	valve, minimum pressure check 3" npt (II)	250033-821	1
13	elbow, tube-m $\frac{1}{4}$ " x $\frac{1}{4}$ "	810504-025	1
14	tubing, steel $\frac{1}{4}$ "	841115-004	6 feet
15	nipple, pipe 3" x close	822248-000	1
16	reinforcement, 3"	250035-136	8
17	silencer, air $\frac{3}{4}$ "	040758	1
18	bushing, reducing 1" x $\frac{3}{4}$ "	802104-030	1
19	nipple, pipe $\frac{3}{4}$ " x 2 $\frac{1}{2}$ "	822112-025	1
20	valve, blowdown 1" ac 2-way (III)	409783	1
21	tubing, steel $\frac{3}{8}$ "	841115-006	10 feet
22	nipple, pipe 1 $\frac{1}{4}$ " x close	822220-000	2
23	elbow, pipe reducing 90° 1 $\frac{1}{4}$ " x 1"	801605-040	1
24	union, pipe 1 $\frac{1}{4}$ "	802515-050	1
25	valve, relief 1 $\frac{1}{2}$ " 150 PSIG (10.3 bar)	407003	1
26	capscrew, hex gr5 $\frac{3}{4}$ " x 2 $\frac{1}{2}$ "	828612-250	8
27	washer, regular $\frac{3}{4}$ "	837212-112	4
28	plug, o-ring boss 1 $\frac{1}{4}$ "	040029	1
29	adapter, filler	020044	1
30	glass, fluid level sight 1 $\frac{1}{2}$ "	040279	1
31	tee, pipe 1 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ "	802415-060	1
32	nipple, pipe 1 $\frac{1}{2}$ " x close	822224-000	2

(continued on Page 49)

(I) For maintenance on flexible coupling no. 040327, order repair kit no. 040523.

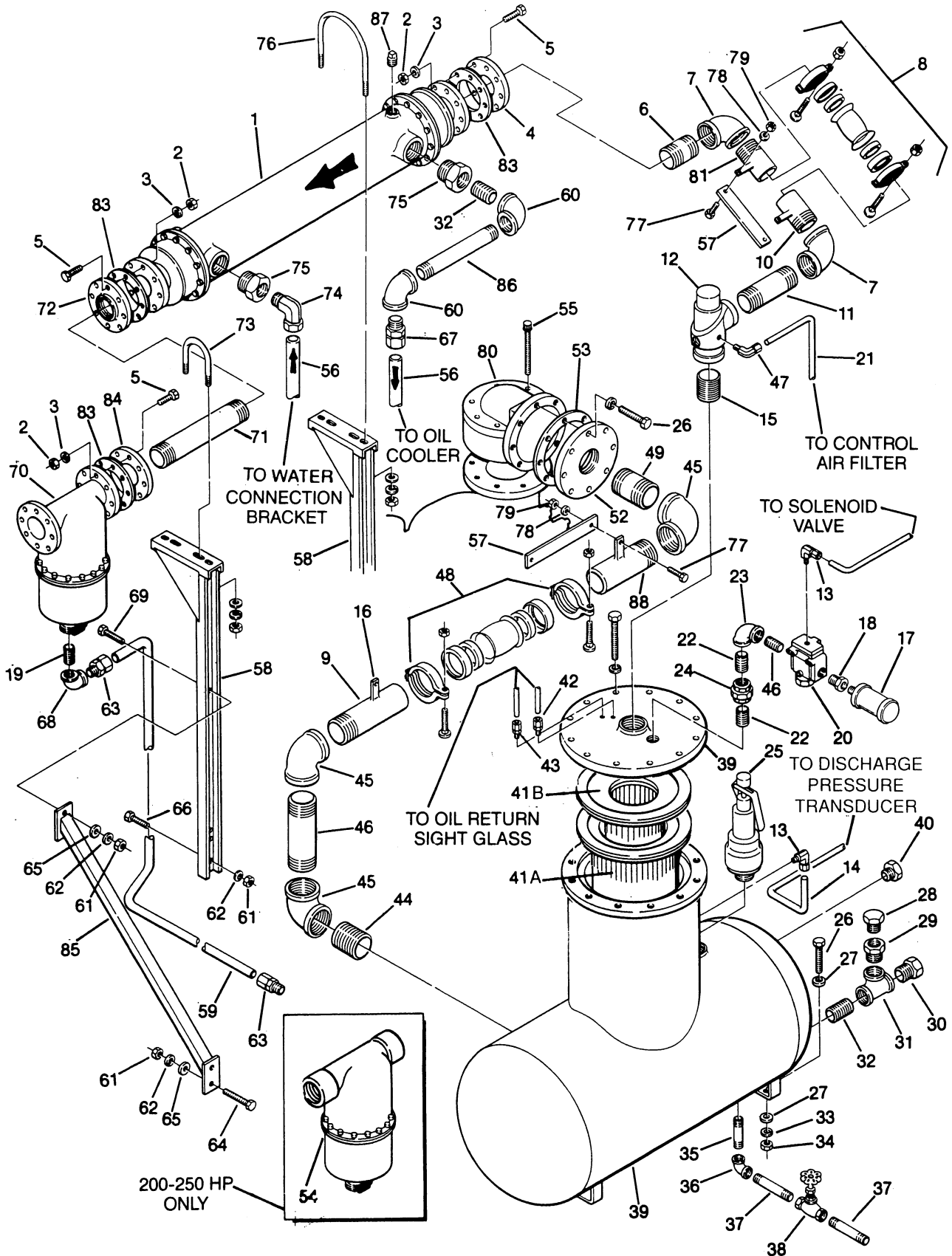
(II) For maintenance on minimum pressure/check valve no. 250033-821, order repair kit no. 250018-262.

(III) For maintenance on blowdown valve no. 409783, order repair kit no. 001667.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1 ILLUSTRATIONS AND PARTS LIST

1.18 COMPRESSOR DISCHARGE SYSTEM - 200HP THROUGH 300HP (WATER-COOLED)



Section 1 ILLUSTRATIONS AND PARTS LIST

1.18 COMPRESSOR DISCHARGE SYSTEM – 200HP THROUGH 300HP (WATER-COOLED) (continued)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
33	washer, springlock $\frac{3}{4}$ "	837512-188	12
34	nut, hex $\frac{3}{4}$ "	824212-665	4
35	nipple, pipe $\frac{3}{4}$ " x $3\frac{1}{2}$ "	822112-035	1
36	elbow, pipe 90° $\frac{3}{4}$ "	801515-030	3
37	nipple, pipe $\frac{3}{4}$ " x 7"	822112-070	1
38	valve, globe $\frac{3}{4}$ "	040520	1
39	tank, sump fluid separator 30"	250002-038	1
40	plug, pipe $1\frac{1}{2}$ "	802815-060	2
41A	element, separator (primary) (IV)	250034-123	1
41B	• element, separator (secondary) (V)	250034-129	1
42	connector, $\frac{1}{4}$ " x $\frac{1}{4}$ "	020169	1
43	fitting, tube-m $\frac{5}{16}$ " x $\frac{1}{4}$ "	020501	1
44	nipple, pipe 4" x close	822264-000	2
45	elbow, pipe 90° 4"	801515-160	3
46	nipple, pipe 1" x close	822224-000	1
47	elbow, tube-m $\frac{3}{8}$ " x $\frac{1}{4}$ "	810506-025	1
48	coupling, flexible (VI)	041085	1
49	nipple, pipe 4" x $6\frac{1}{2}$ "	822164-065	1
50	capscrew, hex $\frac{3}{4}$ " x $3\frac{1}{2}$ "	828612-035	4
51	washer, springlock $\frac{3}{4}$ "	837512-188	12
52	flange, threaded reducing 4" x 11"	818664-110	1
53	gasket, flange	240621-12	1
54	separator, 3" combination trap (VII)	250004-596	1
55	capscrew, ferry head $\frac{5}{8}$ " x 6"	828410-600	6
56	tubing, steel $1\frac{1}{2}$ "	841115-024	20 feet
57	reinforcement, $15\frac{1}{2}$ "	250035-138	2
58	support, cooler	250005-041	2
59	tubing, steel $\frac{3}{4}$ "	841115-012	7 feet
60	elbow, pipe 90° $1\frac{1}{2}$ "	801515-060	2

(continued on Page 51)

(IV) For maintenance on primary separator element no. 250034-123, order replacement kit no. 250034-124.

(V) For maintenance on secondary separator element no. 250034-129, order replacement kit no. 250034-130.

(VI) For maintenance on flexible coupling no. 041085, order repair kit no. 041353.

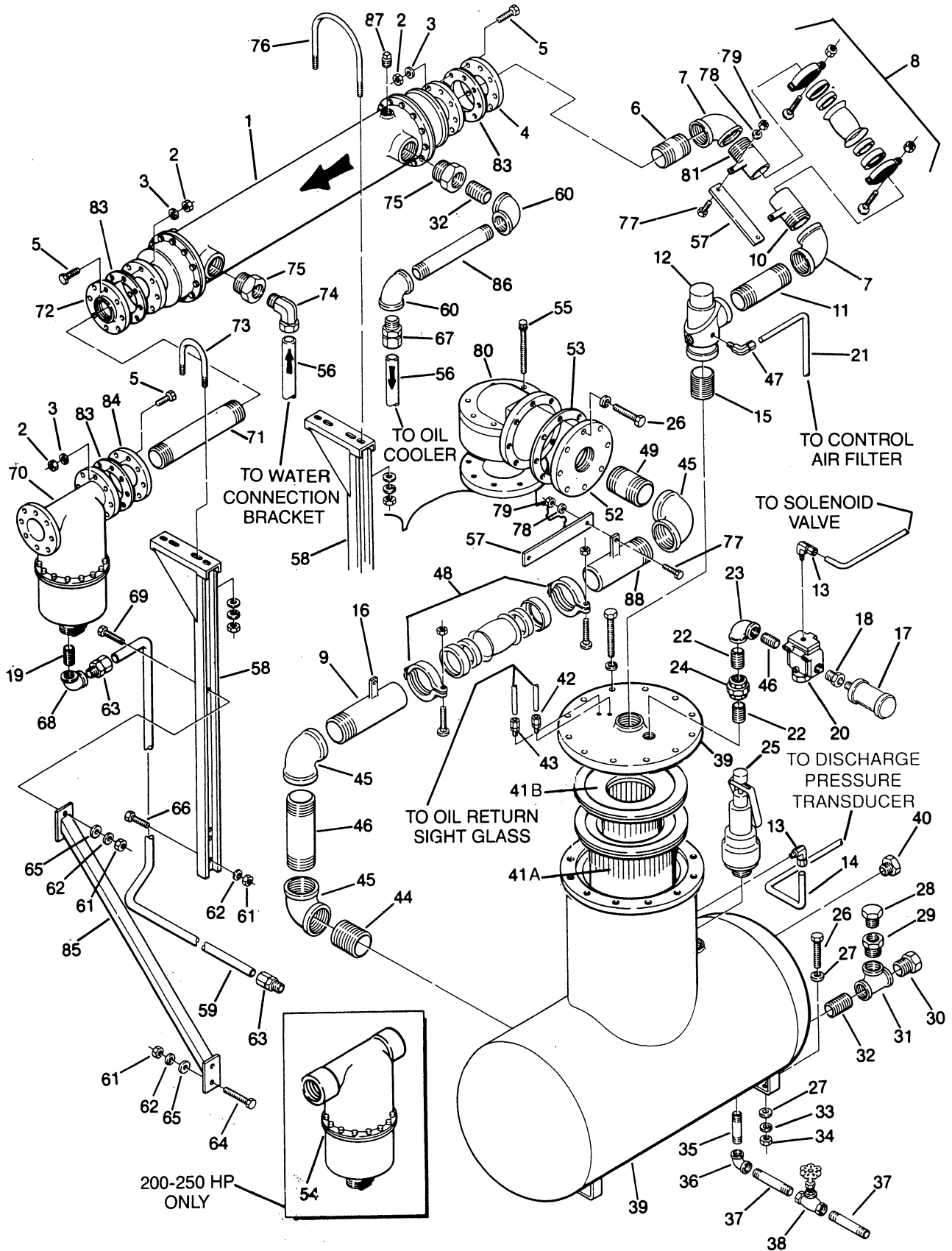
(VII) For maintenance combination trap w/heater no. 250004-596, order repair kit no. 250033-036 and heater element replacement no. 245572.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1

ILLUSTRATIONS AND PARTS LIST

1.18 COMPRESSOR DISCHARGE SYSTEM - 200HP THROUGH 300HP (WATER-COOLED)



Section 1

ILLUSTRATIONS AND PARTS LIST

1.18 COMPRESSOR DISCHARGE SYSTEM - 200HP THROUGH 300HP (WATER-COOLED)
(continued)

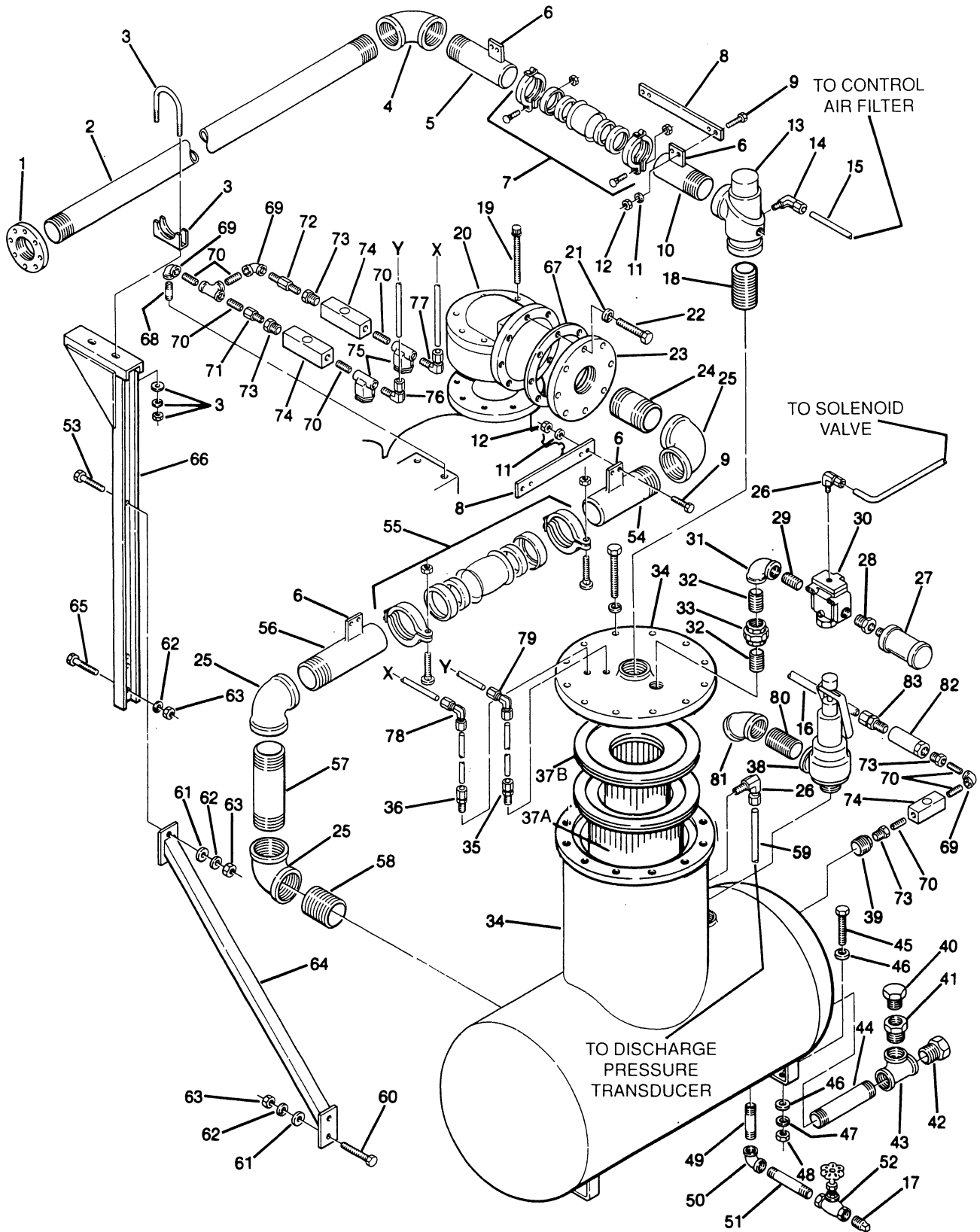
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
61	nut, hex ½"	824208-385	4
62	washer, springlock ½"	837508-125	4
63	connector, tube-m ¾" x ¾"	810212-075	2
64	capscrew, hex ½" x 1¾"	828608-175	6
65	washer, regular ½"	837208-112	6
66	capscrew, hex ½" x 1¼"	828608-125	4
67	connector, tube-m 1½" x 1½"	810224-150	2
68	elbow, pipe 90° ¾"	801515-030	2
69	capscrew, hex ½" x 1½"	828608-150	6
70	separator, 4" combination trap (VIII)	250000-511	1
71	nipple, pipe 3" x 22" (200HP through 250HP)	822148-220	1
	• nipple, pipe 4" x 21" (300HP)	822164-210	1
72	flange, threaded reducing 3" x 9" (200HP through 250HP)	819548-090	1
	• flange, threaded 4" 150# (300HP)	819315-064	1
73	u-bolt, ½" x 4" pipe	829008-400	1
74	elbow, tube-m 90° 1½" x 1½"	810524-150	1
75	bushing, reducing hex 3" x 1½"	802112-060	2
76	u-bolt, ½" x 8" pipe	829008-800	1
77	capscrew, hex ⅜" x 1¼"	828606-125	2
78	washer, springlock ¼"	837504-062	2
79	nut, hex ¼"	824204-226	2
80	valve, discharge check	067339-001	1
81	nipple, half pipe 3" x 11½"	822848-115	1
82	gasket, flange 6" 150#	241621-12	1
83	gasket, flange 4" 125#	242437-010	3
84	flange, threaded 4" 125#	818312-064	1
85	brace, aftercooler	250009-509	1
86	nipple, pipe 1½" x 19½"	822124-195	1
87	plug, pipe ⅜"	802815-010	1
88	nipple, half pipe	822864-140	1

(VIII) For maintenance on combination trap no. 250000-511, order repair kit no. 250033-036.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

ILLUSTRATIONS AND PARTS LIST

1.19 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM - 200HP THROUGH 300HP (AIR-COOLED)



Section 1 ILLUSTRATIONS AND PARTS LIST

1.19 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM - 200HP THROUGH 300HP (AIR-COOLED)

key number	description	part number	quantity
1	flange, 3" threaded	819315-048	1
2	nipple, pipe 3" x 94"	822148-940	1
3	clamp, exhaust 3½"	040284	1
4	elbow, pipe 90° 3"	801515-120	2
5	nipple, half 3" x 9"	822848-090	1
6	reinforcement 3" x 2½"	250035-136	12
7	coupling, 3" (I)	040327	1
8	reinforcement, 15½"	250035-138	3
9	capscrew, hex ¼" x 7⁄8"	828604-088	4
10	nipple, half 3" x 7½"	822848-075	1
11	washer, springlock ¼"	837504-062	4
12	nut, hex ¼"	824204-226	4
13	valve, minimum pressure/check 3" (II)	250033-821	1
14	elbow, tube-m ⅜" x ¼"	810506-025	1
15	tubing, steel ⅜"	841115-006	6
16	tubing, steel ½"	841115-008	1
17	plug, pipe ¾"	807800-030	1
18	nipple, pipe 3" x close	822248-000	1
19	capscrew, ferry head ⅝" x 6"	828410-600	6
20	valve, discharge check	067339-001	1
21	washer, springlock ¾"	837512-188	12
22	capscrew, hex gr5 ¾" x 2½"	828612-250	8
23	flange, threaded reducing 4" x 11"	818664-110	1
24	nipple, pipe 4" x 6½"	822164-065	1
25	elbow, pipe 90° 4"	801515-160	3
26	elbow, tube-m ¼" x ¼"	810504-025	2
27	silencer, air ¾"	040758	1
28	bushing, reducing 1" x ¾"	802104-030	1
29	nipple, pipe 1" x close	822224-000	3
30	valve, blowdown 1" nc 2-way (III)	409783	2
31	elbow, pipe reducing 90° 1¼" x 1"	801605-040	1

(continued on Page 55)

(I) For maintenance on flexible coupling no. 040327, order repair kit no. 040523.

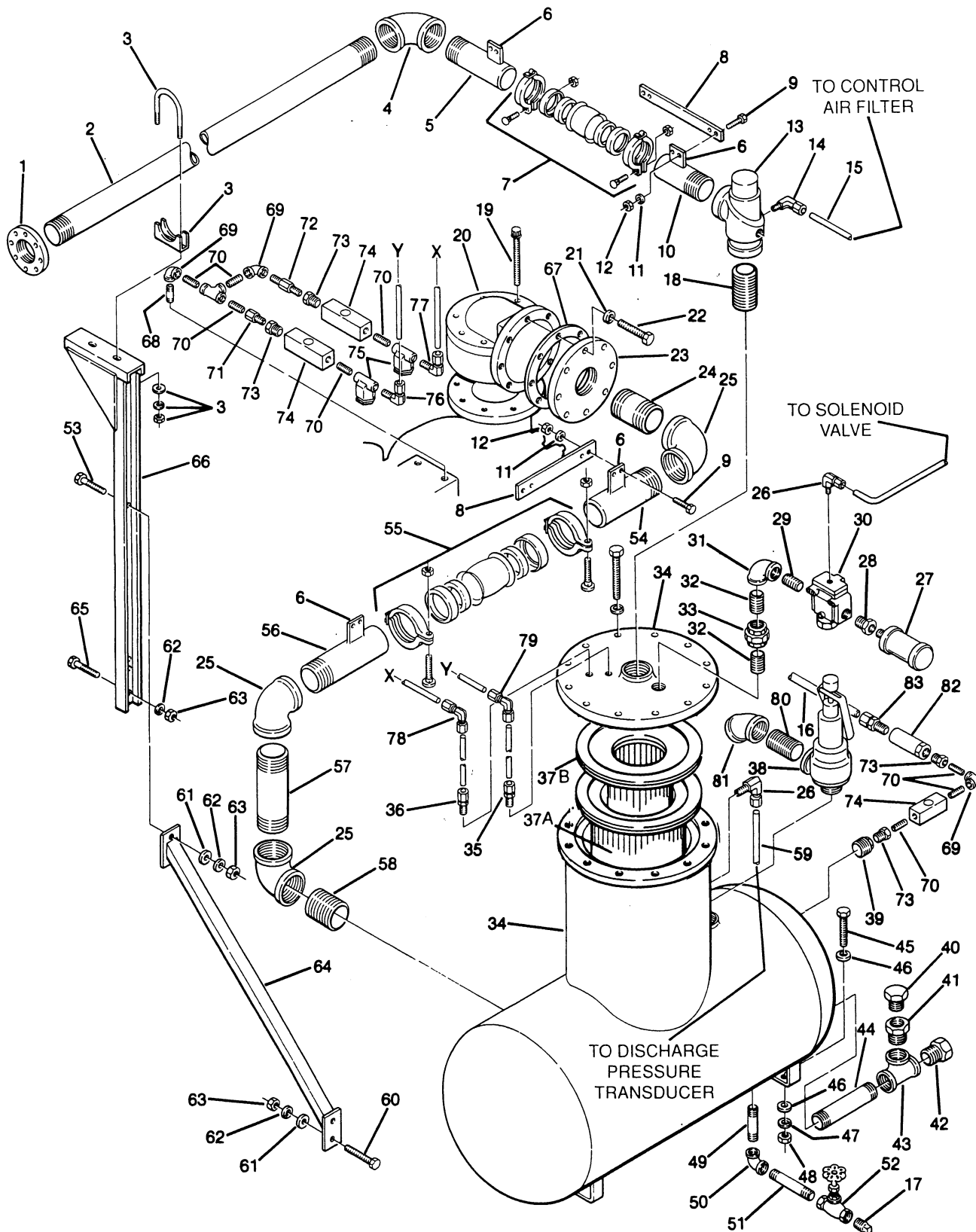
(II) For maintenance on minimum pressure/check valve no. 250033-821, order repair kit no. 250018-262.

(III) For maintenance on blowdown valve no. 409783, order repair kit no. 001667.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1 ILLUSTRATIONS AND PARTS LIST

1.19 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM - 200HP THROUGH 300HP (AIR-COOLED) (continued)



Section 1

ILLUSTRATIONS AND PARTS LIST

1.19 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM - 200HP THROUGH 300HP
(AIR-COOLED) (continued)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
32	nipple, pipe 1¼" x close	822220-000	2
33	union, pipe 1¼"	802515-050	1
34	tank, sump fluid separator 30"	250002-038	1
35	connector, ¼" x ¼"	021069	1
36	fitting, ⅝" x ¼"	020501	1
37A	element, separator (primary) (IV)	250034-123	1
37B	element, separator (secondary) (V)	250034-129	1
38	valve, relief 1½" 150 PSIG (10.3 bar)	407003	1
39	bushing, reducing 1½" x ½"	802106-020	1
40	plug, o-ring boss 1¼"	040029	1
41	adapter, filler	020044	1
42	glass, fluid level sight 1½"	040279	1
43	tee, pipe 1½" x 1½" x 1½"	802415-060	1
44	nipple, pipe 1½" x close	822224-000	1
45	capscrew, hex gr5 ¾" x 2½"	828612-250	4
46	washer, regular ¾"	837212-112	4
47	washer, springlock ¾"	837512-188	4
48	nut, hex ¾"	824212-665	4
49	nipple, pipe ¾" x 3½"	822112-035	1
50	elbow, pipe 90° ¾"	801515-030	1
51	nipple, pipe ¾" x 7"	822112-070	2
52	valve, globe ¾"	040520	1
53	capscrew, hex ½" x 1½"	828608-150	1
54	nipple, half pipe 4" x 14"	822864-140	1
55	coupling, flexible 4" (VI)	041085	1
56	nipple, half pipe 4" x 15"	822864-150	1
57	nipple, pipe 1" x close	822224-000	1
58	nipple, pipe 4" x close	822264-000	1
59	tubing, steel ¼"	841115-004	6 feet
60	capscrew, hex ½" x 1¾"	828608-175	2

(continued on Page 57)

(IV) For maintenance on primary separator element no. 250034-123, order replacement kit no. 250034-124.

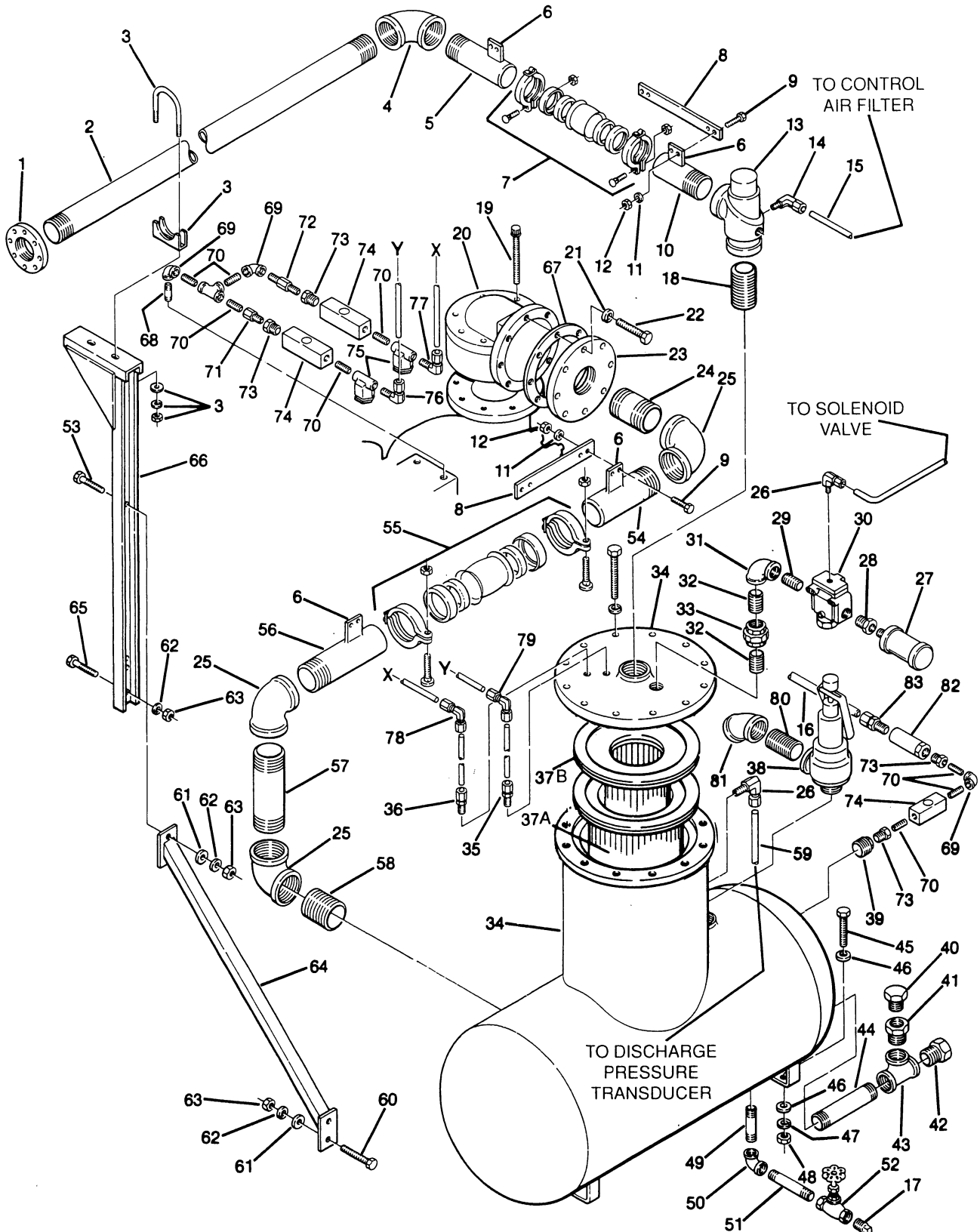
(V) For maintenance on secondary separator element no. 250034-129, order replacement kit no. 250034-130.

(VI) For maintenance on flexible coupling no. 041085, order repair kit no. 041353.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1
ILLUSTRATIONS AND PARTS LIST

1.19 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM - 200HP THROUGH 300HP
(AIR-COOLED) (continued)



Section 1 ILLUSTRATIONS AND PARTS LIST

1.19 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM - 200HP THROUGH 300HP (AIR-COOLED) (continued)

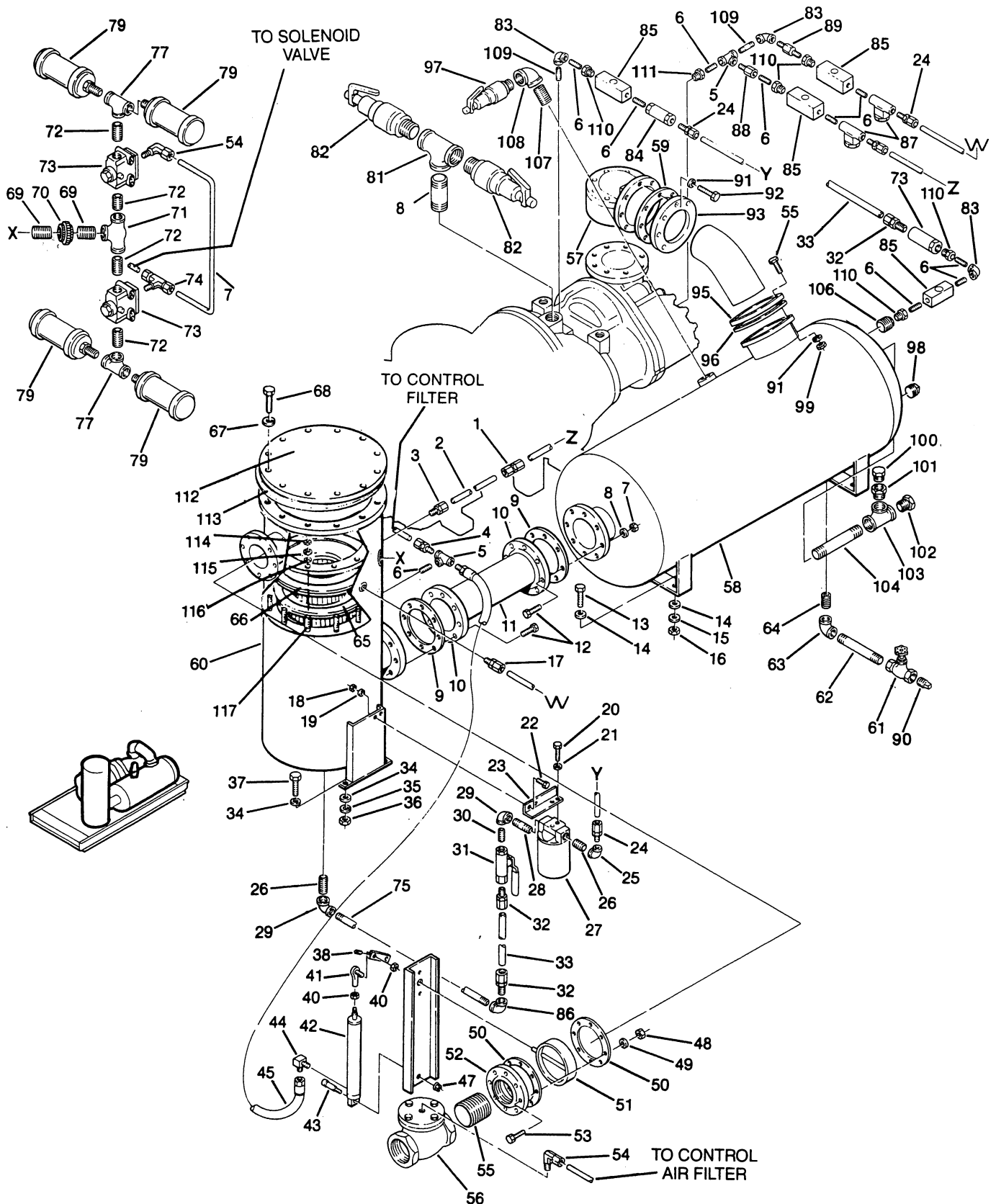
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
61	washer, regular ½"	837208-112	2
62	washer, springlock ½"	837508-125	2
63	nut, hex ½"	824208-385	4
64	brace, aftercooler	250009-509	1
65	capscrew, hex ½" x 1¼"	828608-125	2
66	support, cooler	250005-041	2
67	gasket, flange 6" 150#	240621-12	1
68	nipple, pipe ¼" x ½"	823104-015	1
69	elbow, pipe 90° x ¼"	803515-010	1
70	nipple, pipe ¼" x close	823204-000	5
71	orifice, ⅓₂"	040381	1
72	orifice, .062"	027443	1
73	bushing, reducing ½" x ¼"	807602-010	2
74	glass, sight	046559	2
75	strainer, v-type (VII)	241771	2
76	elbow, tube ¼"t x ¼"mpt	810504-025	1
77	elbow, tube ⅝₁₆"t x ¼"mpt	810505-025	1
78	elbow, tube union ⅝₁₆"	811205-031	1
79	elbow, tube union ¼"	811204-025	1
80	nipple, pipe xs 2" x close	822232-000	1
81	elbow, pipe 45° 2" 150#	801415-080	1
82	valve, check ½"	042694	1
83	connector, tube ½"	810208-050	1

(VII) For maintenance on v-type strainer no. 241771, order repair kit no. 241772.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1 ILLUSTRATIONS AND PARTS LIST

1.20 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM - 400HP (AIR-COOLED)



Section 1

ILLUSTRATIONS AND PARTS LIST

1.20 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM - 400HP (AIR-COOLED)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	union, tube hex ¼"	811304-025	3
2	tubing, steel ¼"	841115-004	12 feet
3	connector, ¼" x ¼"	020169	1
4	connector, tube-m ¼" x ¼"	810204-025	1
5	tee, pipe ¼"	802415-010	3
6	nipple, pipe ¼" x close	822204-000	8
7	nut, hex ¾"-10	824212-665	32
8	washer, springlock ¾"	837512-188	20
9	gasket, flange 6"	042790	2
10	flange, slip-on 6"	819215-096	2
11	pipe, discharge 6" x 24½"	250006-671	1
12	capscrew, hex gr5 ¾"-10 x 3½"	828612-350	24
13	capscrew, hex gr5 ⅞"-9 x 2½"	828614-250	4
14	washer, regular ⅞"	837214-219	8
15	washer, springlock ⅞"	837514-219	4
16	nut, hex ⅞"-9	824214-776	4
17	fitting, ⅝" x 1¼"	020501	1
18	nut, hex ⅝"-18	825305-283	2
19	washer, springlock ⅝"	837505-078	2
20	capscrew, hex gr5 ¼"-20 x ½"	828204-050	2
21	washer, springlock ¼"	837504-062	2
22	capscrew, hex serrated washer ⅝" x 1"	829705-100	2
23	bracket	250000-025	1
24	connector, tube-m ⅝" x ¼"	810205-025	1
25	elbow, reducing ¾" x ¼"	801603-010	1
26	nipple, pipe ¾" x close	822212-000	2
27	filter, fluid (I)	250007-219	1
28	nipple, pipe ¾" x 2"	822112-020	1
29	elbow, reducing ¾" x ½"	801603-020	2
30	nipple, pipe ½" x close	822208-000	1
31	valve, ball ½"	047117	1
32	connector, tube-m ½" x ½"	810208-050	2
33	tubing, steel ½"	841115-008	3 feet
34	washer, regular ⅞"	837214-219	8
35	washer, springlock ⅞"	837514-219	8

(continued on Page 61)

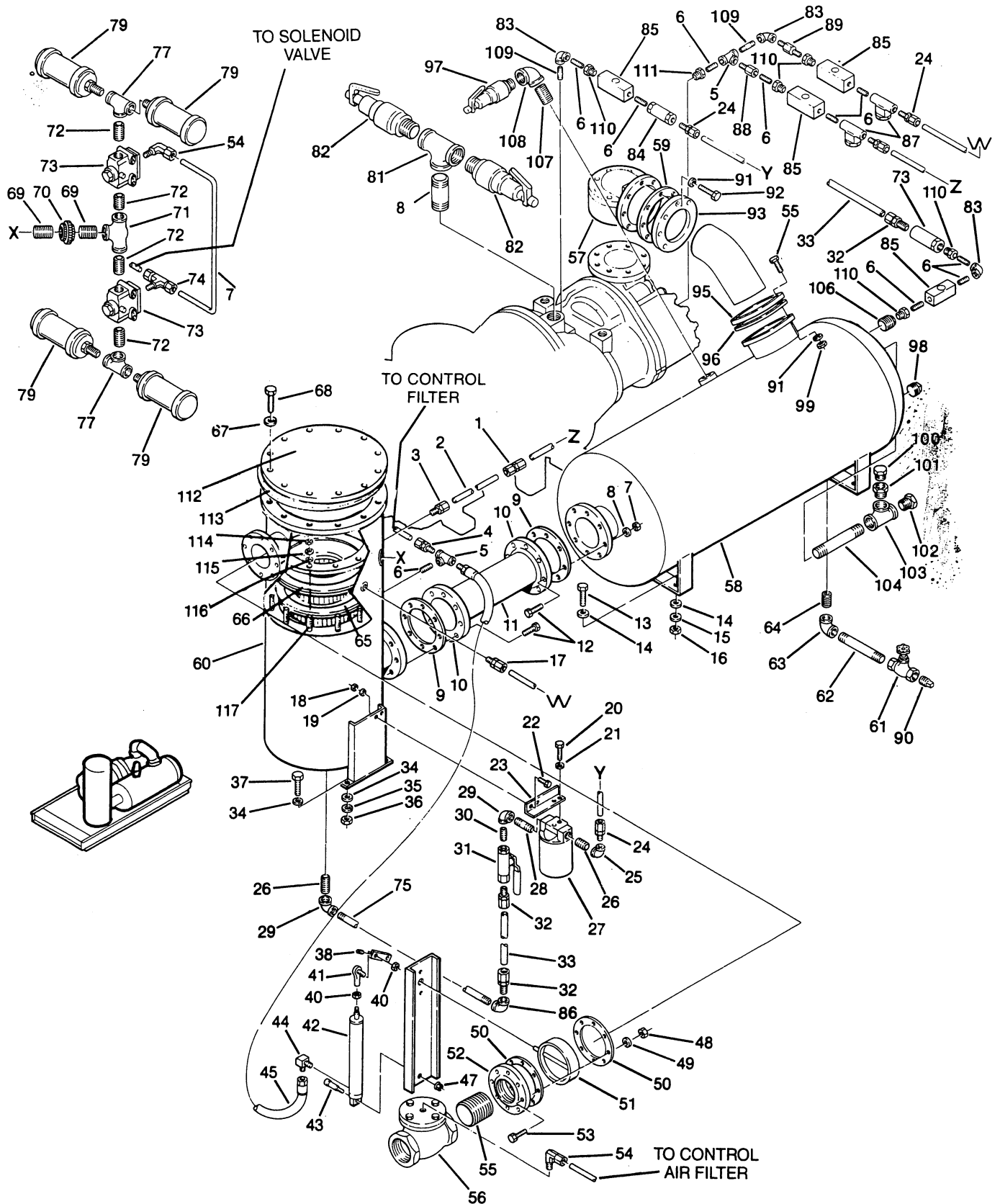
(I) For maintenance on fluid filter no. 250007-219, order repair kit no. 250008-956.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1

ILLUSTRATIONS AND PARTS LIST

1.20 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM - 400HP (AIR-COOLED)



Section 1 ILLUSTRATIONS AND PARTS LIST

1.20 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM - 400HP (AIR-COOLED) (continued)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
36	nut, hex $\frac{7}{8}$ "-9	824214-776	4
37	capscrew, hex gr5 $\frac{7}{8}$ "-9 x $2\frac{1}{2}$ "	828614-250	4
38	screw, hex socket set $\frac{5}{16}$ "-18 x $\frac{1}{2}$ "	832205-050	1
39	lever, valve	250010-326	1
40	nut, hex locking $\frac{7}{16}$ "-20	825707-223	2
41	rod, end spherical $\frac{7}{16}$ "-20	250010-158	1
42	cylinder, air $1\frac{1}{2}$ "	408825	1
43	screw, machine shoulder $\frac{3}{8}$ " x 2"	830506-200	1
44	elbow, pipe 90° $\frac{1}{4}$ "-18	860504-025	1
45	hose, hydraulic $\frac{1}{4}$ " x 64"	040413	1
46	bracket, actuator	019634	1
47	nut, hex $\frac{3}{8}$ "	824206-337	1
48	nut, hex $\frac{5}{8}$ "	824210-559	8
49	washer, springlock $\frac{5}{8}$ "	837510-156	8
50	gasket	242437-010	2
51	valve, butterfly 4"	049151	1
52	flange, threaded 4"	819315-064	1
53	capscrew, hex gr5 $\frac{5}{8}$ "-11 x 5"	828610-500	8
54	elbow, tube-m $\frac{1}{4}$ " x $\frac{1}{4}$ "	810504-025	1
55	capscrew, hex gr5 $\frac{3}{4}$ "-10 x $3\frac{1}{2}$ "	828612-350	16
56	valve, check 4"	041076	1
57	valve, check assembly	part of unit	1
58	tank, fluid sump 30" x 84" horizontal	250005-579	1
59	gasket, flange	240621-12	1
60	tank, fluid separator 24" x 70" vertical	250005-582	1
61	valve, globe $\frac{3}{4}$ "	040520	1
62	nipple, pipe $\frac{3}{4}$ " x 9"	822112-090	1
63	elbow, pipe 90° $\frac{3}{4}$ "	801515-030	1
64	nipple, pipe $\frac{3}{4}$ " x $1\frac{1}{2}$ "	822112-015	1
65	separator, air/fluid - primary (II)	250034-125	1
66	separator, air/fluid - secondary (III)	250034-131	1
67	washer, springlock regular plated $\frac{3}{4}$ "	838512-188	12

(continued on Page 63)

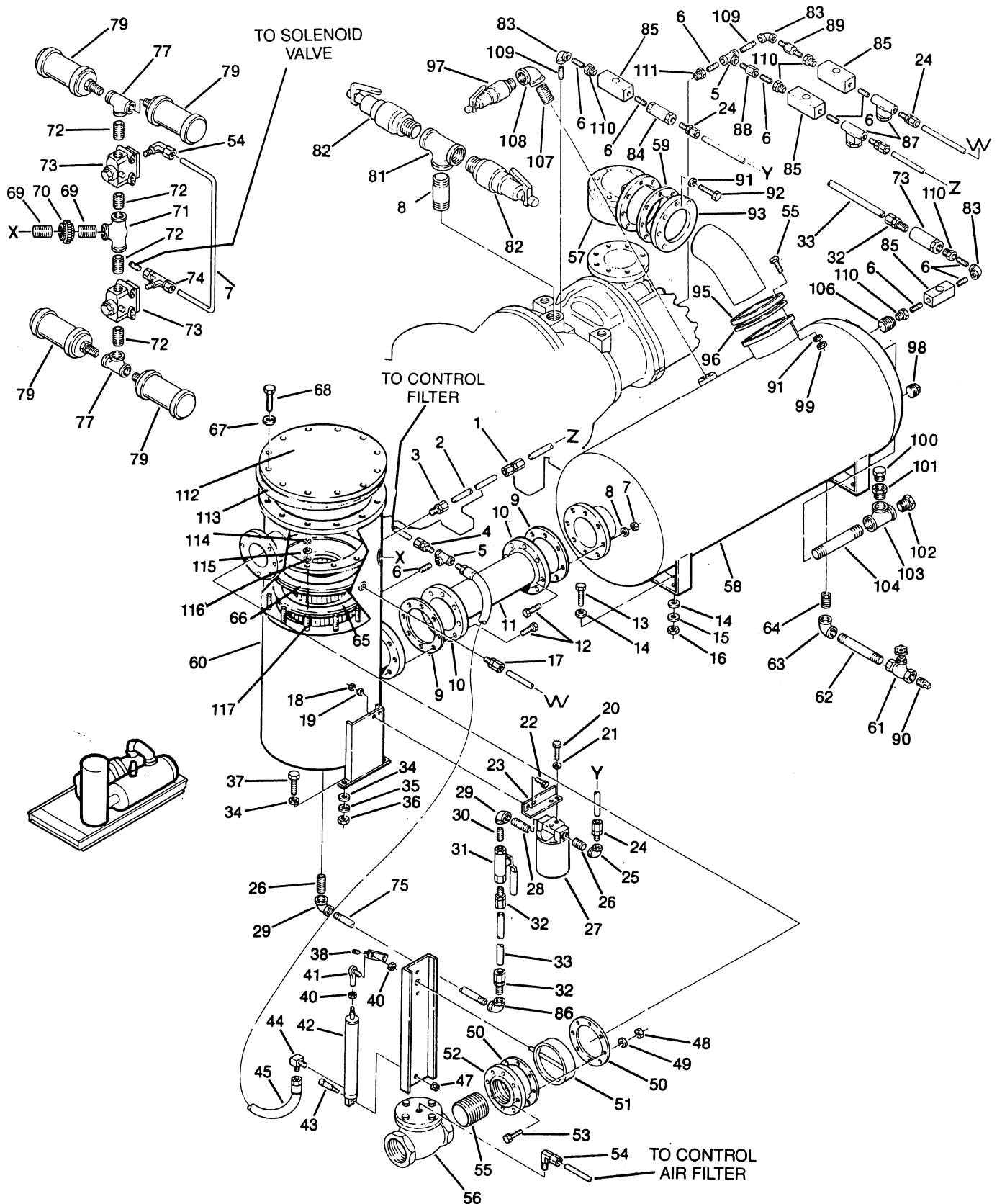
(II) For maintenance on primary air/fluid separator no. 250034-125, order repair kit no. 250034-126.

(III) For maintenance on secondary air/fluid separator no. 250034-131, order repair kit no. 250034-132.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1 ILLUSTRATIONS AND PARTS LIST

1.20 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM - 400HP (AIR-COOLED)



Section 1 ILLUSTRATIONS AND PARTS LIST

1.20 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM - 400HP (AIR-COOLED) (continued)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
68	capscrew, hex gr8 3/4"-10 x 3"	828212-300	12
69	nipple, pipe 1 1/2" x close	822224-000	2
70	union, pipe 1 1/2"	802515-060	1
71	tee, reducing 1" x 1" x 1 1/2"	802204-046	1
72	nipple, pipe 1" x close	822216-000	9
73	valve, check 1/2"	042694	1
74	tee, tube 1/4" x 1/4" x 1/4"	810804-025	1
75	nipple, pipe 1/2" x 12" long	822108-120	1
76	tubing, steel 1/4"	841115-004	16 feet
77	tee, pipe 1"	802415-040	2
78	elbow, reducing 1" x 3/4"	801604-030	4
79	silencer, air 3/4"	040758	4
80	nipple, pipe 2" x 4"	822232-040	1
81	tee, pipe 2"	802415-080	1
82	valve, relief	250009-241	2
83	elbow, pipe 90° 1/4"	801515-010	2
84	valve, check 1/4"	049905	1
85	glass, sight 24KT (IV)	046559	3
86	elbow, pipe 1/2"	801515-020	1
87	strainer, v-type (V)	241771	2
88	orifice, 0.94	022033	1
89	orifice, restrictor 1/32"	040381	1
90	plug, pipe 3/4"	807800-030	1
91	washer, springlock 3/4"	837512-188	12
92	capscrew, hex gr5 3/4"-10 x 2 1/2"	828612-250	8
93	flange, slip-on 6"	242319-012	1
94	pipe, discharge 6" 45°	250006-665	1
95	flange, slip-on 6"	819215-096	1
96	gasket, flange 6"	042790	1
97	valve, relief	250010-221	1
98	plug, pipe 1 1/2"	802815-060	1
99	nut, hex 3/4"-10	824212-665	32
100	plug, o-ring 1 1/4"	040029	1

(continued on Page 65)

(IV) For maintenance on sight glass no. 036559, order repair kit no. 250021-312.

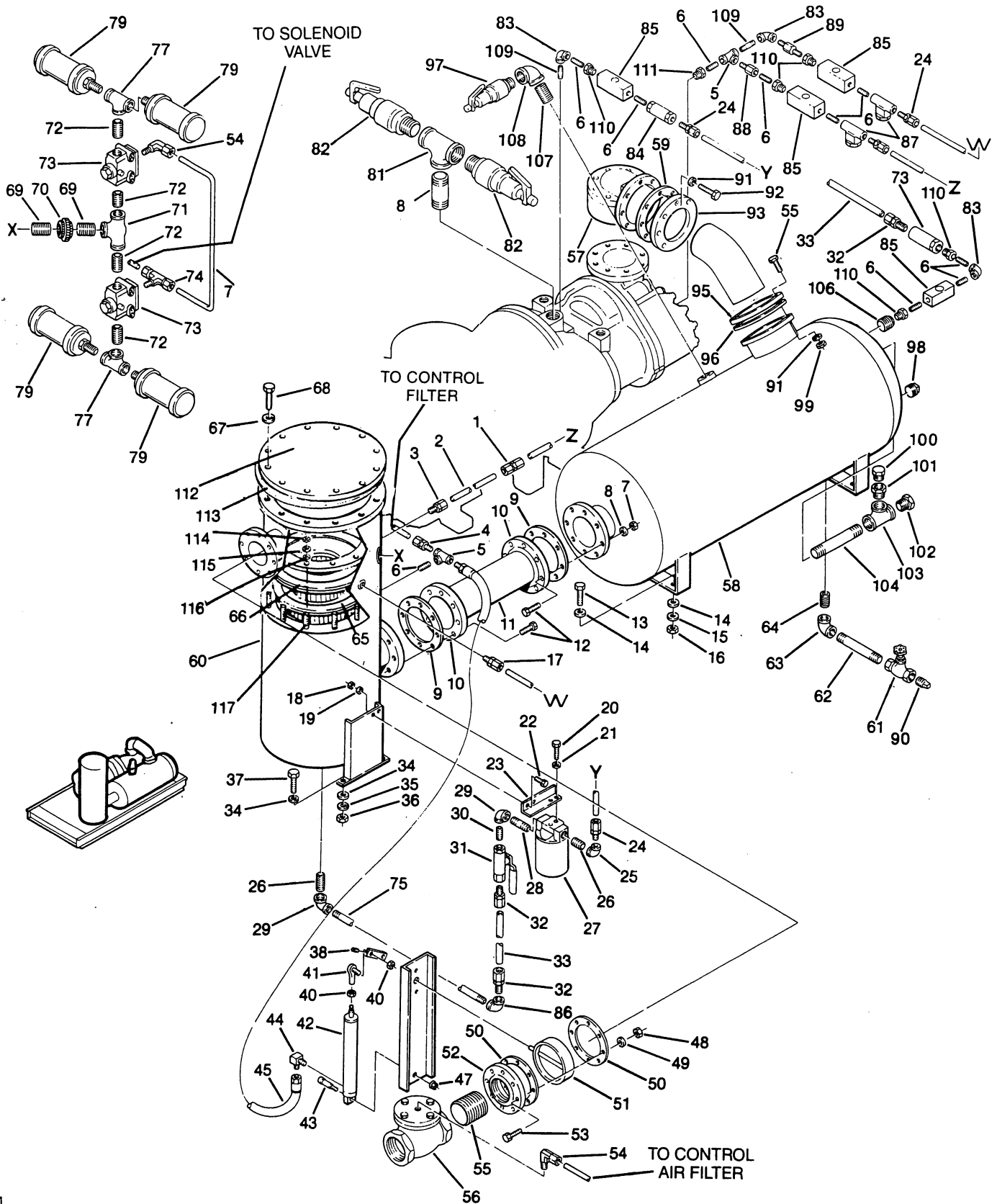
(V) For maintenance on v-type strainer no. 241771, order repair kit no. 241772.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1

ILLUSTRATIONS AND PARTS LIST

1.20 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM - 400HP (AIR-COOLED)



Section 1

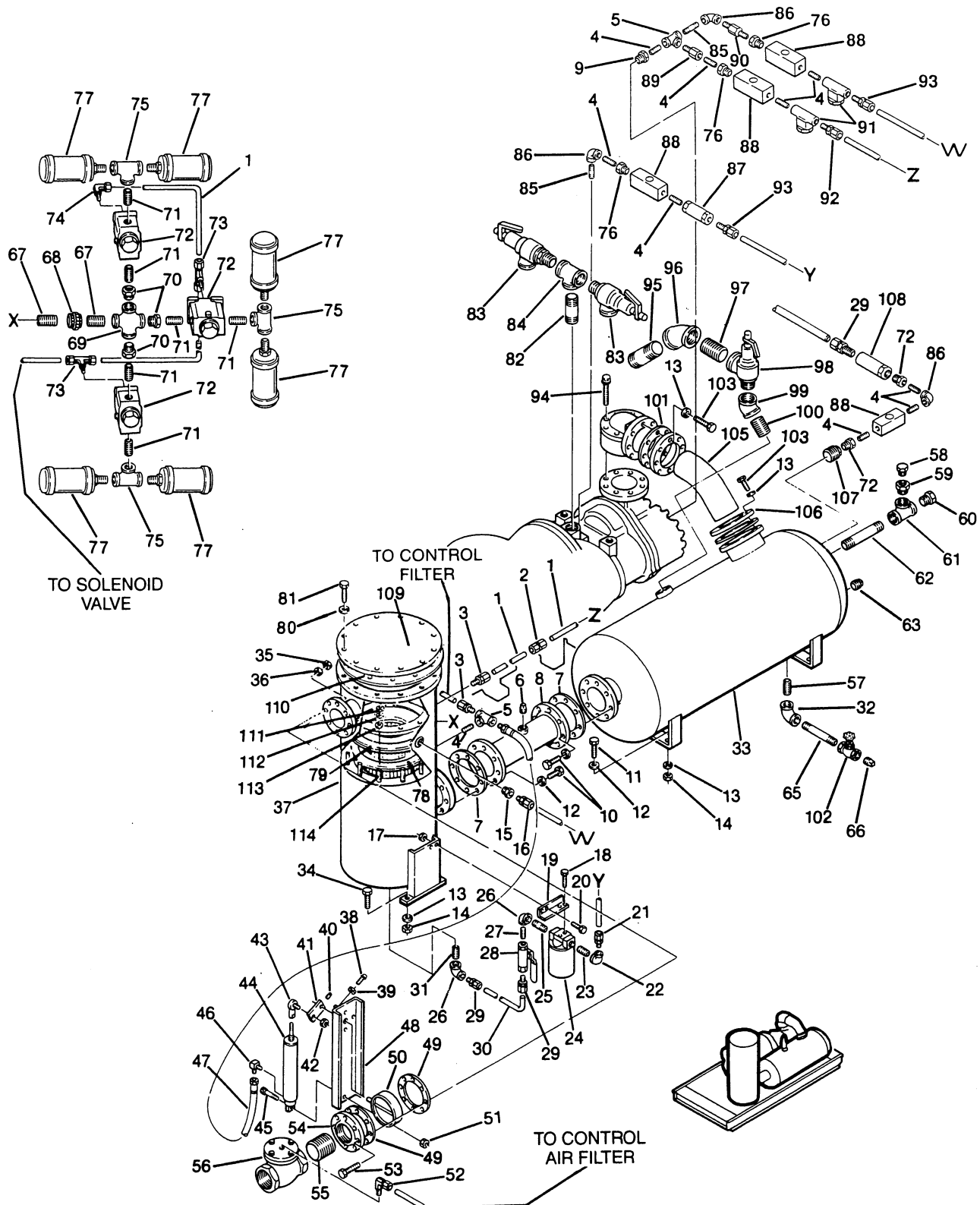
ILLUSTRATIONS AND PARTS LIST**1.20 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM - 400HP (AIR-COOLED)**
(continued)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
101	adapter, filler	020044	1
102	glass, fluid level 1½"	040279	1
103	tee, pipe 1½"	802415-060	1
104	nipple, pipe 1½" x 10"	822124-100	1
105	probe, thermistor	046867	3
106	bushing, reducing 1½" x ½"	802106-020	1
107	nipple, pipe 2" x 3" long	822132-030	1
108	elbow, pipe 2"	801515-080	1
109	nipple, pipe galvanized ¼" x 1½"	823104-015	1
110	bushing, reducing ½" x ¼"	807602-010	1
111	bushing, reducing ¾" x ¼"	807603-010	1
112	flange, back-up 32E	221338	1
113	gasket, cover	049155	1
114	nut, hex unfinished ⅝"-16	824206-337	12
115	washer, springlock ⅝" regular unfinished	837506-094	12
116	washer, pl-b regular unfinished ⅝"	837206-071	12
117	stud, threaded ⅝"-16 x 2"	839406-020	12

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

ILLUSTRATIONS AND PARTS LIST

1.21 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM - 500HP THROUGH 600HP (AIR-COOLED)



Section 1 ILLUSTRATIONS AND PARTS LIST

1.21 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM - 500HP THROUGH 600HP (AIR-COOLED)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	tubing, steel ¼"	841115-004	28 feet
2	union, tube hex ¼"	811304-025	3
3	connector, ¼" x ¼"	020169	1
4	nipple, pipe ¼" x close	822204-000	8
5	tee, pipe ¼"	802415-010	3
6	plug, pipe ½"	807800-020	1
7	gasket, flange	240621-12	2
8	flange, slip-on 6"	819215-096	2
9	bushing, reducing ¾" x ¼"	807603-010	1
10	capscrew, hex gr5 ¾"-10 x 3"	828612-300	16
11	capscrew, hex gr5 ¾"-10 x 2"	828612-200	4
12	washer, regular ¾"	837212-112	16
13	washer, springlock ¾"	837512-188	20
14	nut, hex ¾"-10	824212-665	32
15	bushing, reducing ½" x ¼"	807602-010	1
16	fitting, flex ⅝" x ¼"	020501	1
17	nut, hex ⅝"-18	825305-283	2
18	capscrew, hex gr2 ¼"-20 x ½"	829104-050	2
19	bracket, strainer	250000-896	1
20	screw, hex serrated washer ⅝"-18 x 1"	829705-100	2
21	connector, tube ⅝" x ¼"	810205-025	1
22	elbow, reducing ¾" x ¼"	801603-010	1
23	nipple, pipe ¾" x close	822212-000	1
24	filter, fluid (I)	250007-219	1
25	nipple, pipe ¾" x 3"	822112-030	1
26	elbow, reducing ¾" x ½"	801603-020	2
27	nipple, pipe ½" x close	822208-000	1
28	valve, ball ½"	047117	1
29	connector, tube ½" x ½"	810208-050	2
30	tubing, steel ½"	841115-008	3 feet
31	nipple, pipe ¾" x close	822212-000	1
32	elbow, pipe 90° ¾"	801515-030	1
33	tank, fluid sump 30" x 84" horizontal	250005-579	1
34	capscrew, hex gr5 ¾"-10 x 2¼"	828612-225	4

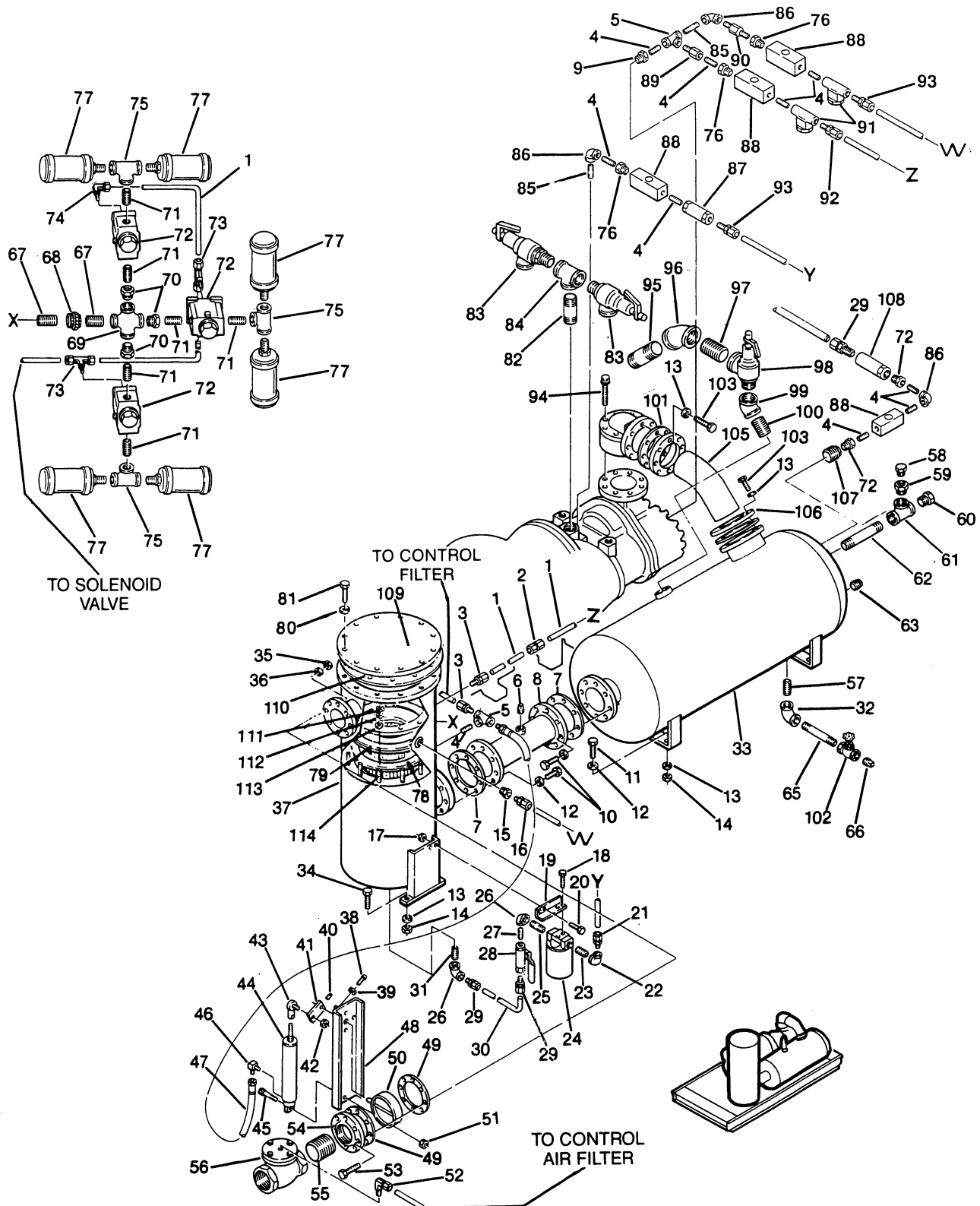
(continued on Page 69)

(I) For maintenance on fluid filter no. 250007-219, order repair kit no. 250008-956.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

ILLUSTRATIONS AND PARTS LIST

1.21 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM - 500HP THROUGH 600HP (AIR-COOLED)



Section 1 ILLUSTRATIONS AND PARTS LIST

1.21 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM - 500HP THROUGH 600HP (AIR-COOLED)(continued)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
35	nut, hex 5/8"-11	824210-559	8
36	washer, springlock 5/8"	837510-156	8
37	tank, fluid separator 24" x 70" vertical	250005-582	1
38	capscrew, ferry head 5/16"-18 x 1 1/2"	828405-150	1
39	nut, hex 5/16"-18	824205-273	1
40	screw, set, square head 5/16" x 3/4"-18	408383	1
41	lever, valve	250010-326	1
42	nut, hex locking 7/16"-20	825707-223	2
43	rod end, spherical 7/16"-20	250010-158	1
44	cylinder, air 1 1/2"	408825	1
45	screw, machine shoulder 3/8" x 2"	830506-200	1
46	elbow, tube 1/4" x 1/8"	860204-012	1
47	hose, hydraulic 1/4" x 64"	040413	1
48	bracket, actuator	019634	1
49	gasket, flange 4"	041645	2
50	valve, butterfly 4"	049151	1
51	nut, hex 3/8"-16	824206-337	1
52	elbow, tube-m 5/16" x 1/4"	810505-025	1
53	capscrew, hex gr5 5/8"-11 x 5"	828610-500	8
54	flange, threaded 4"	819315-064	1
55	nipple, pipe 4" x 4"	822164-040	1
56	valve, check 4"	041076	1
57	nipple, pipe 3/4" x 1 1/2"	822112-015	1
58	plug, o-ring 1 1/4"	040029	1
59	adapter, filler	020044	1
60	glass, fluid level 1 1/2"	040279	1
61	tee, pipe 1 1/2"	802415-060	1
62	nipple, pipe 1 1/2" x 10"	822124-100	1
63	plug, pipe 1 1/2"	802815-060	2
64	gasket, 6"	240621-12	1
65	nipple, pipe 3/4" x 9"	822112-090	1
66	plug, pipe 3/4"	802815-030	1
67	nipple, pipe 1 1/2" x close	822224-000	2
68	union, pipe 1 1/2"	802515-060	1
69	cross, pipe 1 1/2"	801315-060	1
70	bushing, reducing 1" x 1 1/2"	802106-040	3
71	nipple, pipe 1"	822216-000	13

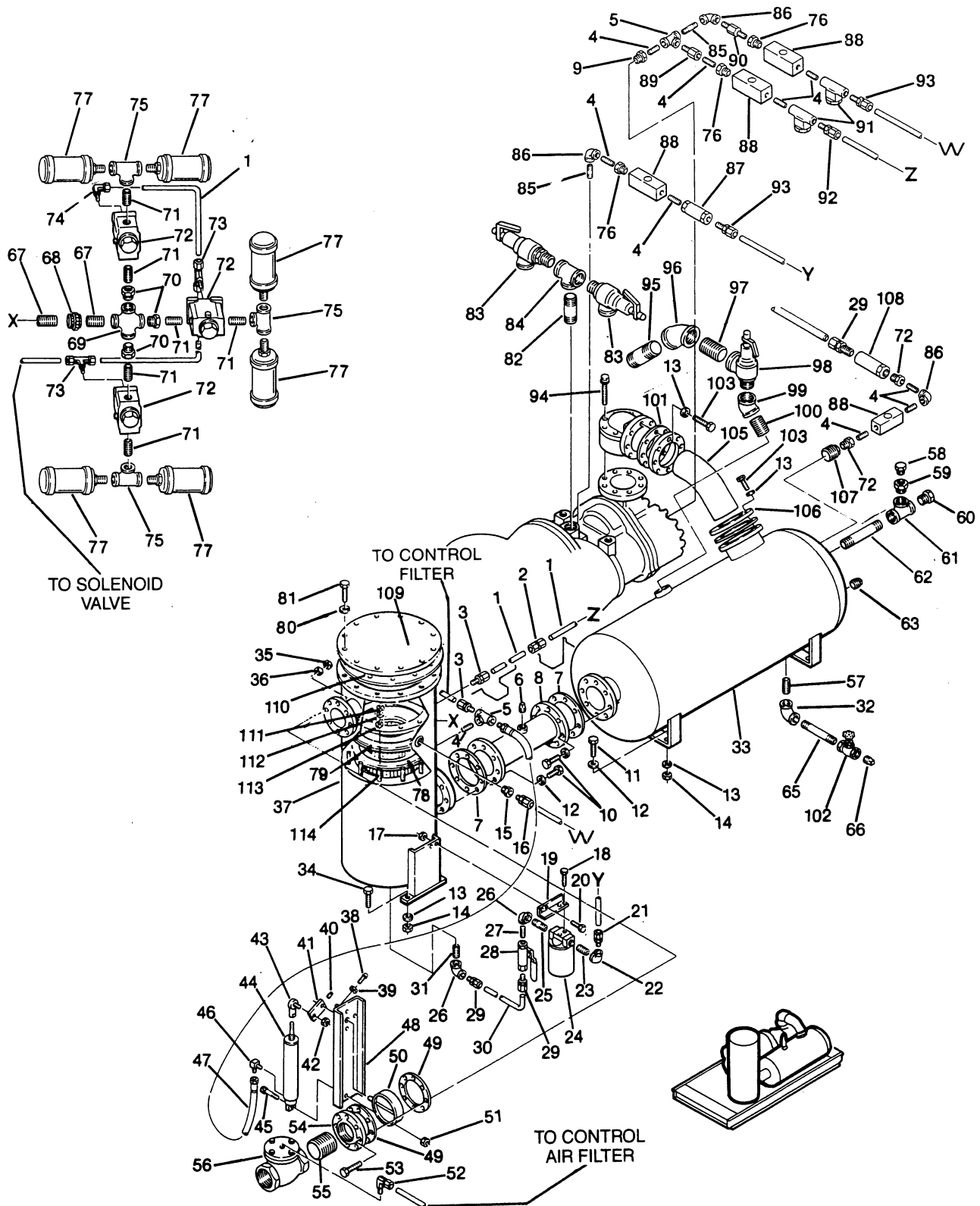
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PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1

ILLUSTRATIONS AND PARTS LIST

1.21 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM - 500HP THROUGH 600HP (AIR-COOLED)



Section 1

ILLUSTRATIONS AND PARTS LIST**1.21 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM – 500HP THROUGH 600HP
(AIR-COOLED) (continued)**

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
72	bushing, reducing ½" x ¼"	802102-010	2
73	tee, tube ¼" x ¼" x ¼"	810804-025	1
74	elbow, tube ¼" x ¼"	810504-025	2
75	tee, pipe 1"	802415-040	3
76	bushing, reducing ½" x ¼" steel	807602-010	3
77	silencer, air ¾"	040758	4
78	separator, air/fluid – primary (II)	250034-125	1
79	separator, air/fluid – secondary (III)	250034-131	1
80	washer, springlock ¾"	838512-188	12
81	capscrew, hex gr8 ¾" x 3"	838212-300	12
82	nipple, pipe 2" x 4"	822232-040	1
83	valve, relief 2" x 2½" (400, 500HP) • valve, relief 2" x 2½" (600HP)	250009-241 250029-330	2 2
84	tee, pipe 2"	802415-080	1
85	nipple, pipe ¼" x 1½"	823104-015	1
86	elbow, pipe ¼"	801515-010	2
87	valve, check ¼"	049905	1
88	glass, sight 24KT (IV)	046559	3
89	orifice, .094	022033	1
90	orifice, restrictor ⅜"	040381	1
91	strainer, v-type (V)	241771	2
92	connector, tube-m ¼" x ¼"	810204-025	2
93	connector, tube-m ⅝" x ¼"	810205-025	2
94	capscrew, ferry head ¾"-10 x 6"	828412-600	8
95	nipple, pipe 2½" x 6"	822140-060	1
96	elbow, pipe 45° 2½"	801415-100	1
97	nipple, pipe 2½" x close	822240-000	1
98	valve, relief 2" x 2½" (500HP) • valve, relief 2" x 2½" (600HP)	250010-221 250026-785	1 1

(continued on Page 73)

(II) For maintenance on primary air/fluid separator no. 250034-125, order repair kit no. 250034-126.

(III) For maintenance on secondary air/fluid separator no. 250034-131, order repair kit 250034-132.

(IV) For maintenance on sight glass no. 036559, order repair kit no. 250021-312.

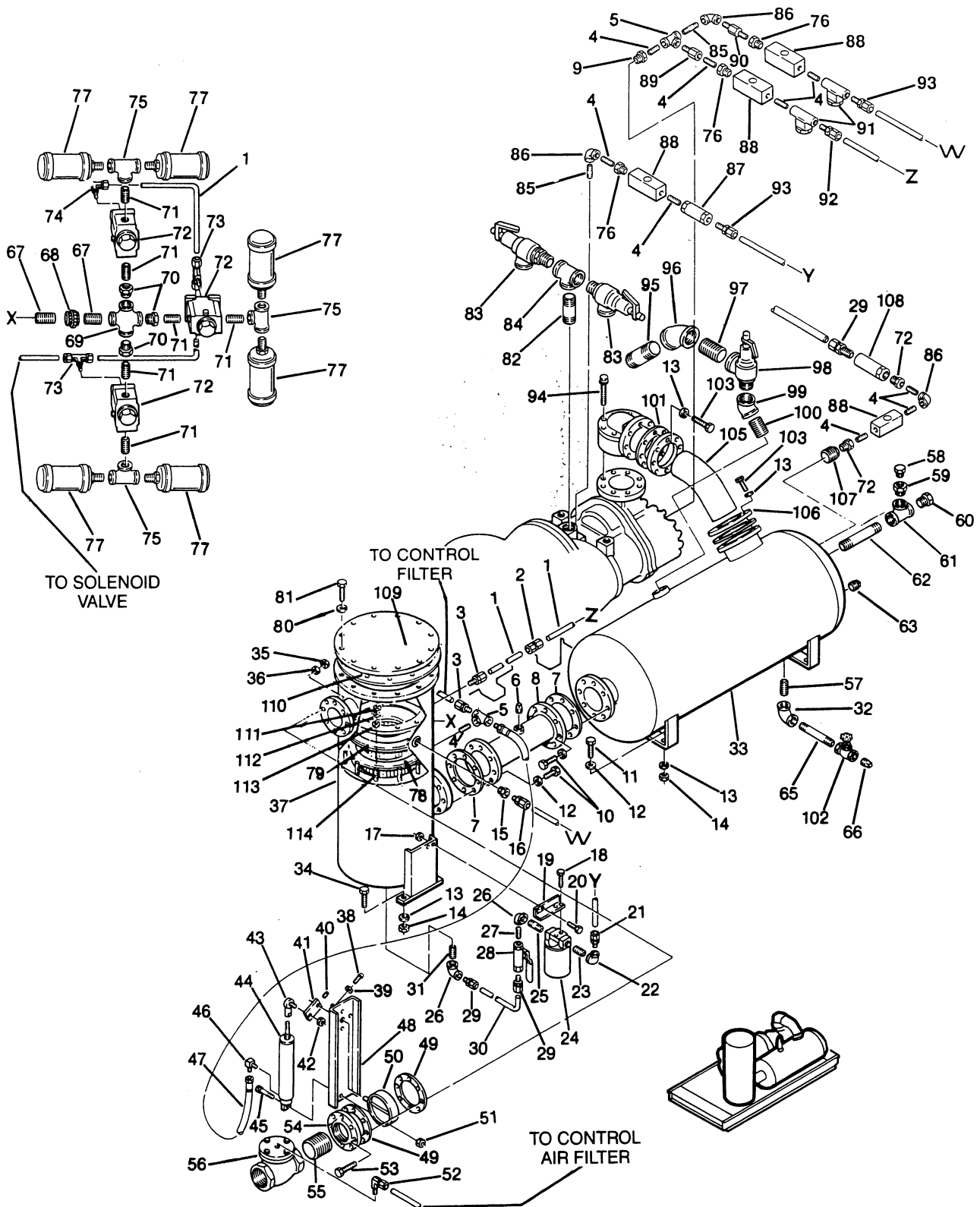
(V) For maintenance on v-type strainer no. 241771, order repair kit no. 241772.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1

ILLUSTRATIONS AND PARTS LIST

1.21 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM - 500HP THROUGH 600HP (AIR-COOLED)



Section 1 ILLUSTRATIONS AND PARTS LIST

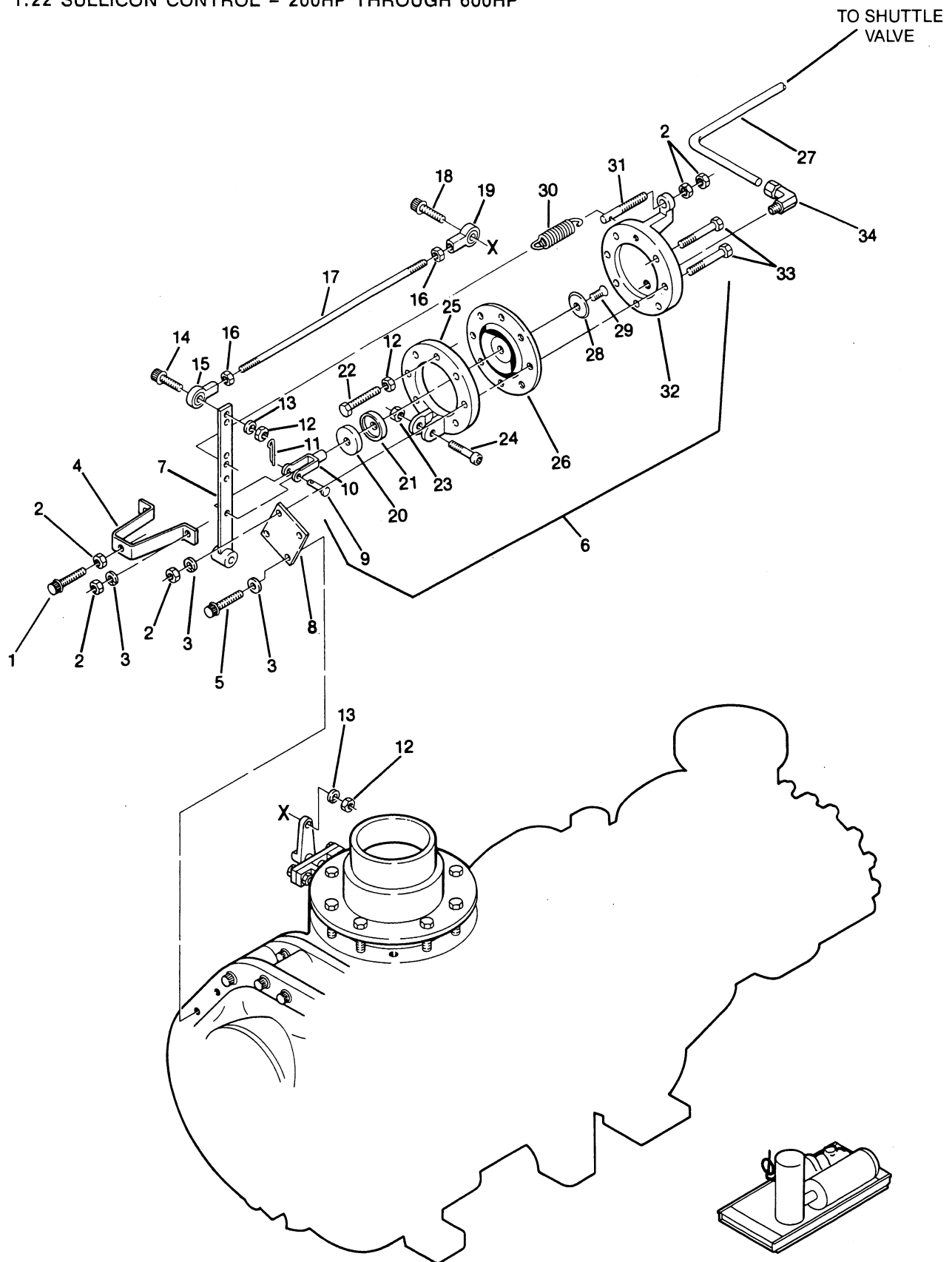
1.21 REMOTE COOLER COMPRESSOR DISCHARGE SYSTEM - 500HP THROUGH 600HP (AIR-COOLED) (continued)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
99	elbow, pipe 45° 2"	801415-080	1
100	nipple, pipe 2" x close	822232-000	1
101	gasket, 6"	242437-012	1
102	valve, globe ¾"	040520	1
103	capscrew, hex gr5 ¾"-10 x 2½"	828612-250	8
104	flange, slip-on 6"	242319-012	1
105	pipe, discharge 45° 6"	250006-665	1
106	flange, slip-on 6"	819215-064	1
107	bushing, reducing 1½" x ½"	802106-020	1
108	valve, check ½"	042694	1
109	flange, back-up 32E	221338	1
110	gasket, cover	049155	1
111	nut, hex unfinished ¾"-16	824206-337	12
112	washer, springlock ¾" regular unfinished	837506-094	12
113	washer, pl-b regular unfinished ¾"	837206-071	12
114	stud, threaded ¾"-16 x 2"	839406-020	12

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1
ILLUSTRATIONS AND PARTS LIST

1.22 SULLICON CONTROL - 200HP THROUGH 600HP



Section 1 ILLUSTRATIONS AND PARTS LIST

1.22 SULLICON CONTROL - 200HP THROUGH 600HP

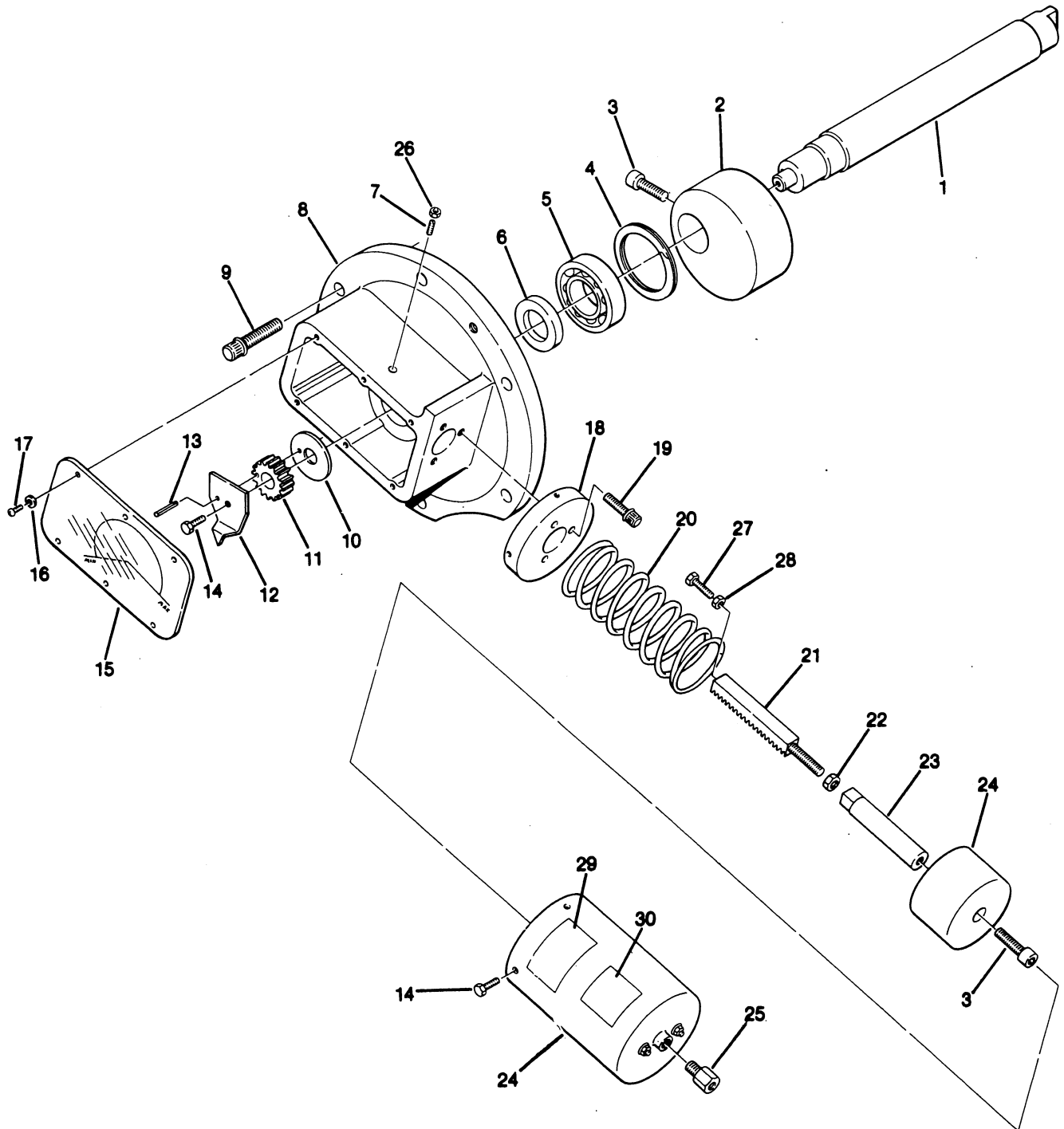
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	capscrew, ferry head $\frac{3}{8}$ "-16 x 2"	828406-200	1
2	nut, hex $\frac{3}{8}$ "-16	824206-337	10
3	washer, springlock regular $\frac{3}{8}$ "	837506-094	10
4	bracket, cont. stop	020864	1
5	capscrew, ferry head $\frac{3}{8}$ "-16 x 1"	828606-100	2
6	control, Sullicon (I)	011682-003	1
7	lever, control	011084	1
8	bracket, control	250014-397	1
9	pin, yoke $\frac{1}{4}$ "	040065	1
10	yoke, rod end $\frac{1}{4}$ "-28	040138	1
11	pin, cotter $\frac{1}{16}$ " x $\frac{3}{4}$ "	827101-075	1
12	nut, hex jam unfinished $\frac{5}{16}$ "-24 - right hand	824605-195	2
13	washer, springlock regular $\frac{5}{16}$ "	837505-078	2
14	capscrew, ferry head $\frac{5}{16}$ "-18 x $1\frac{1}{4}$ "	828405-125	1
15	rod end, spherical $\frac{5}{16}$ " - left hand	042004	1
16	nut, hex jam $\frac{5}{16}$ " - left hand	824705-195	2
17	rod, link $\frac{5}{16}$ "-24 x $9\frac{1}{2}$ "	021287	1
18	capscrew, ferry head $\frac{5}{16}$ "-18 x $1\frac{1}{2}$ "	838405-150	1
19	rod end, spherical $\frac{5}{16}$ " - right hand	040136	1
20	plunger	020094	1
21	seal, cup	042538	1
22	screw, machine hex head $\frac{5}{16}$ "-24 x 2"	831105-200	1
23	nut, hex locking plated $\frac{3}{8}$ "-16	825506-198	1
24	screw, machine shoulder $\frac{3}{8}$ " x 2"	830506-200	1
25	body, control	021635	1
26	diaphragm, external	041269	1
27	tubing, steel $\frac{1}{4}$ "	841115-004	16 feet
28	washer, back-up	021172	1
29	screw, ferry head $\frac{1}{4}$ "-28 x $\frac{3}{4}$ "	041264	1
30	spring, control light	250006-526	1
31	bolt, adjustable Sullicon spring	250009-134	1
32	cover, control	021654	1
33	capscrew, hex gr2 $\frac{3}{8}$ "-16 x $2\frac{1}{2}$ "	828106-250	3
34	elbow, 90° tube-m $\frac{1}{4}$ " x $\frac{1}{4}$ "	810504-825	1

(I) For maintenance on Sullicon Control no. 011682-003, order repair kit no. 250020-353.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1
ILLUSTRATIONS AND PARTS LIST

1.23 COMPRESSOR ACTUATOR - 200HP THROUGH 600HP



Section 1 ILLUSTRATIONS AND PARTS LIST

1.23 COMPRESSOR ACTUATOR – 200HP THROUGH 600HP

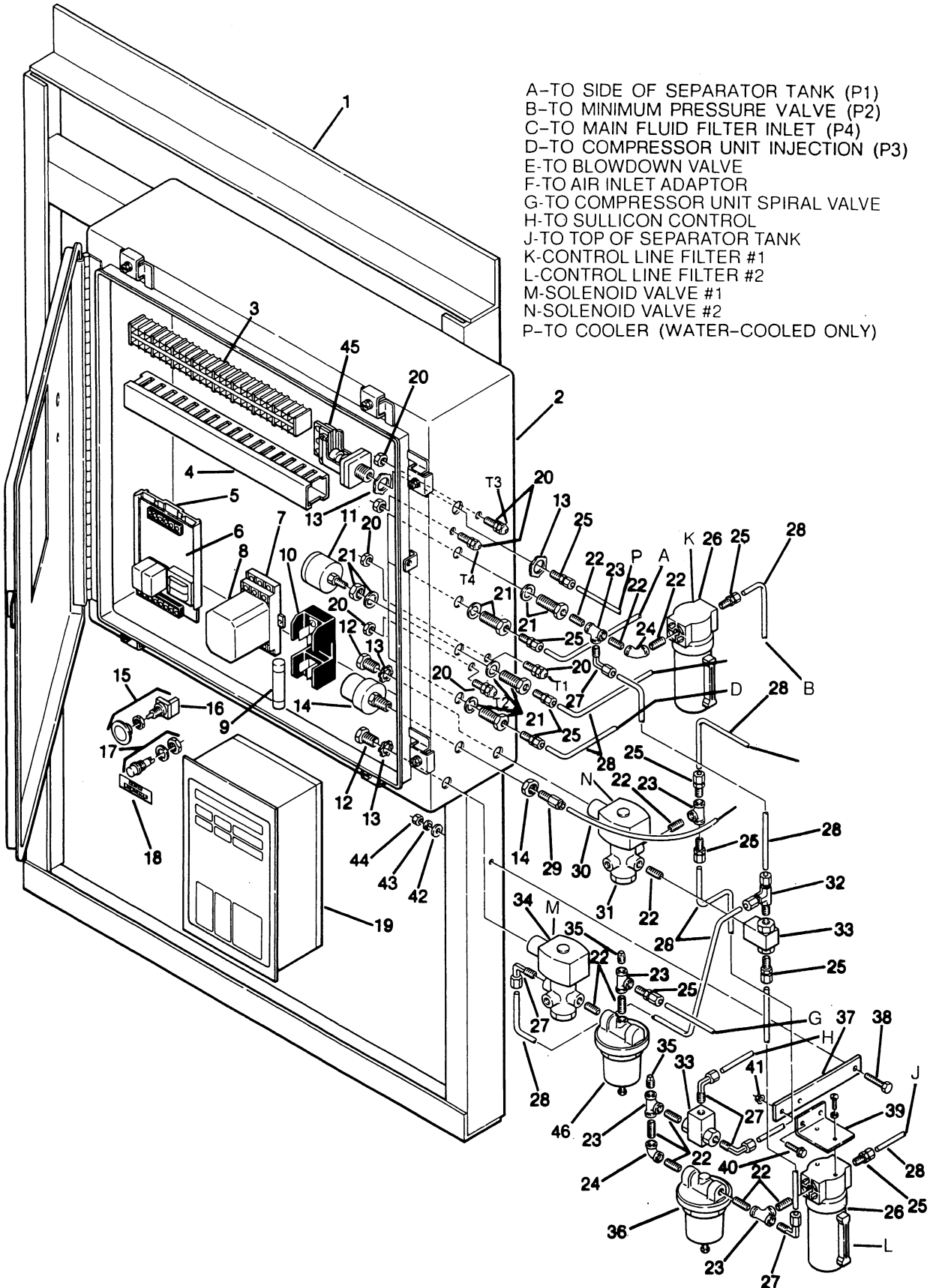
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	shaft, valve – direct • shaft, valve – geared	250030-981 250030-982	1 1
2	valve, weight counterbalance	250016-193	1
3	capscrew, socket $\frac{3}{8}$ "-16 x 1"	828906-100	2
4	ring, retaining	499068-005	1
5	bearing, ball	499002-207	1
6	seal, lip	250016-200	1
7	screw, set $\frac{1}{2}$ "-13 x 1.62 br	250024-465	1
8	adapter, air cylinder	250016-182	1
9	capscrew, ferry head $\frac{1}{2}$ "-13 x $1\frac{1}{2}$ "	828408-150	6
10	guide, rack	250016-199	1
11	gear, pinion	250016-196	1
12	indicator, actuator	250030-983	1
13	pin, roll unfinished $\frac{1}{4}$ " x 1"	827404-100	1
14	capscrew, hex head gr8 $\frac{1}{4}$ "-20 x $\frac{1}{2}$ "	828204-050	4
15	cover, adapter	250016-195	1
16	washer, regular #8	838201-045	6
17	screw, machine rod #8-32 x $\frac{1}{2}$ "	831601-050	6
18	mount, air cylinder	250016-188	1
19	capscrew, ferry head $\frac{5}{16}$ "-18 x $1\frac{1}{4}$ "	828405-125	3
20	spring, seal $2\frac{1}{4}$ "	250016-394	1
21	rack, gear	250016-197	1
22	nut, hex jam $\frac{3}{8}$ "-16	824906-227	1
23	shaft, air cylinder	250016-194	1
24	cylinder, air (I)	250016-183	1
25	orifice, .062 x .25m x .25f	028831	1
26	nut, hex unfinished $\frac{1}{2}$ "-13	824208-448	1
27	screw, machine hex $\frac{1}{4}$ "-20 x $1\frac{3}{4}$ "	830104-175	1
28	nut, hex jam $\frac{1}{4}$ "-20	824904-164	1
29	decal, warning actuator	250029-836	1
30	decal, actuator valve positioning	250029-784	1

(I) For maintenance on air cylinder no. 250016-183, order diaphragm repair kit no. 608311-001.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

ILLUSTRATIONS AND PARTS LIST

1.24 ELECTRO-PNEUMATIC CONTROL SYSTEM - 200HP THROUGH 600HP



Section 1 ILLUSTRATIONS AND PARTS LIST

1.24 ELECTRO-PNEUMATIC CONTROL SYSTEM - 200HP THROUGH 600HP

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	frame, control box support	250042-499	1
2	box, control	250038-777	1
3	block, terminal and track	041093	1
4	panduit	047322	1
5	snaptrack	250024-522	1
6	control, temperature dual	250039-911	1
7	pin, socket for 120V plug-in relay	045497	1
8	relay, control	045496	1
9	fuse	241957	1
10	holder, fuse	041147	1
11	transducer, pressure	250039-910	4
12	nipple, chase - conduit 1/2"	847815-050	2
13	locknut, conduit 1/2"	847200-050	1
14	switch, vacuum 22" wc	250014-656	1
15	switch, emergency stop	250028-588	1
16	block, contact	250027-125	1
17	light, power energized	250000-105	1
18	decal, power energized	249544-049	1
19	panel, control	250038-779	1
20	grip, cord	250023-496	4
21	bulkhead, pipe 1/8"	841500-002	4
22	nipple, pipe 1/4" x close	822204-000	4
23	tee, pipe 1/4"	804415-010	4
24	elbow, pipe 90° x 1/4"	801515-010	2
25	connector, tube-m 1/4" x 1/4"	810204-025	8
26	filter, control line air 1/4"	408389	2
27	elbow, tube-m 1/4" x 1/4"	810504-025	5
28	tubing, steel 1/4"	841015-004	62 feet
29	connector, tube-m 1/4" x 1/8"	813604-125	1
30	tubing, plastic 1/4"	250024-745	16 feet
31	valve, solenoid 1/4" 3-way 115V (I)	250038-668	1
32	tee, tube 1/4"	810904-025	1
33	valve, shuttle	408893	2
34	valve, solenoid 1/4" 3-way 115V (II)	409067	1

(continued on Page 81)

(I) For maintenance on solenoid valve no. 250038-668, order repair kit no. 250038-673 (valve) and no. 250031-738 (coil).

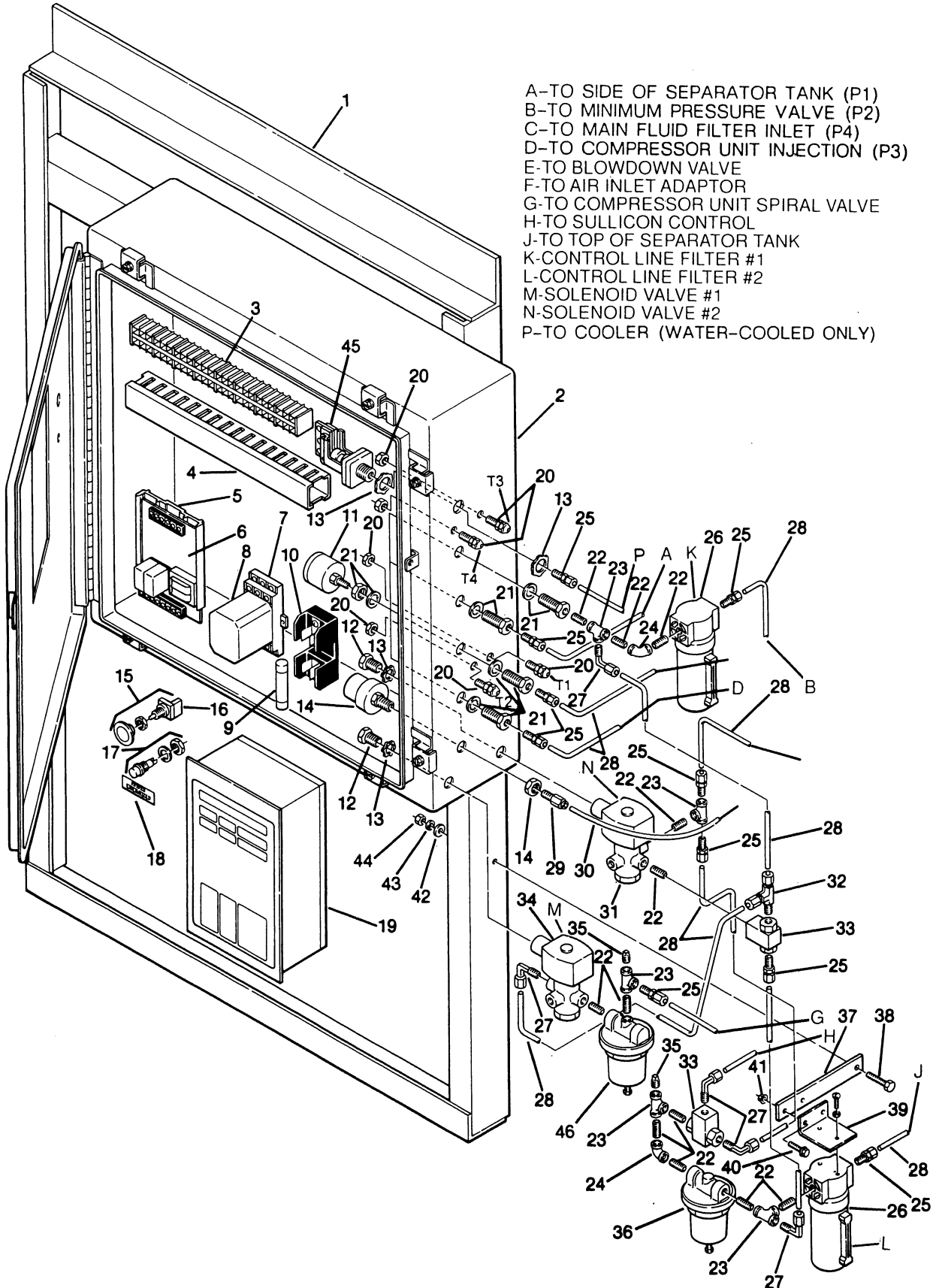
(II) For maintenance on solenoid valve no. 409067, order repair kit no. 250010-377.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1

ILLUSTRATIONS AND PARTS LIST

1.24 ELECTRO-PNEUMATIC CONTROL SYSTEM - 200HP THROUGH 600HP



ILLUSTRATIONS AND PARTS LIST**1.24 ELECTRO-PNEUMATIC CONTROL SYSTEM - 200HP THROUGH 600HP (continued)**

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
35	plug, pipe ¼"	807800-010	2
36	valve, differential pressure regulator ¼" (III)	406929	1
37	bracket, fluid stop valve support	231584	1
38	capscrew, hex gr5 ½"-13 x 1½"	828608-150	1
39	angle, pressure switch	230452	1
40	screw, hex serrated washer ⅝" x ¾"	829705-075	1
41	nut, hex plated ⅝"	824815-005	2
42	washer, regular unfinished ½"	837208-112	1
43	washer, springlock regular ½"	837508-125	1
44	nut, hex unfinished ½"-13	824208-448	1
45	switch, water pressure	043428	1
46	valve, differential pressure regulator (spiral valve) (IV)	408275	1

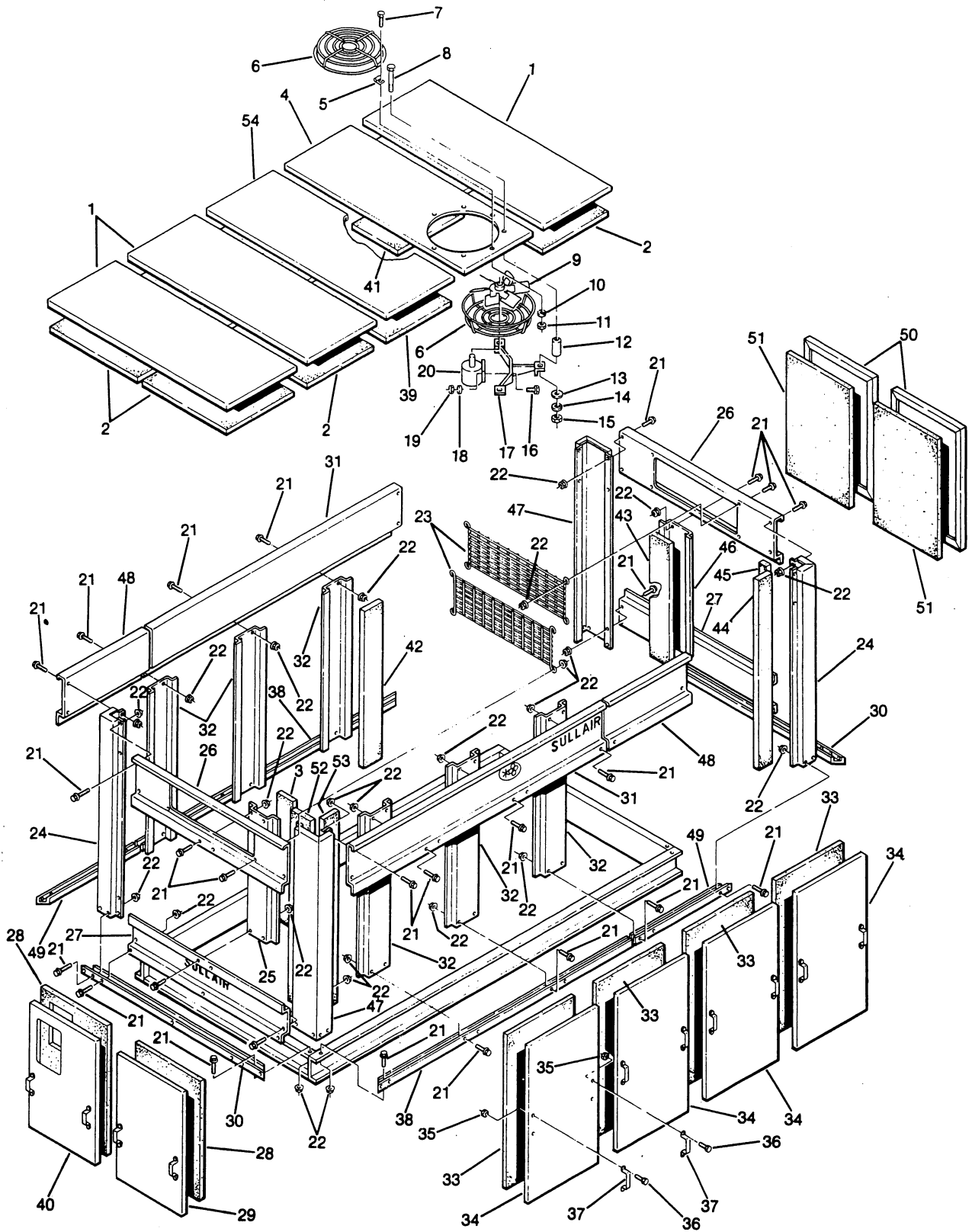
(III) For maintenance on differential pressure regulator no. 406929, order repair kit no. 041742.

(IV) For maintenance on differential pressure regulator no. 408275, order repair kit no. 250028-693.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1 ILLUSTRATIONS AND PARTS LIST

1.25 ENCLOSURE - 200HP THROUGH 300HP



Section 1 ILLUSTRATIONS AND PARTS LIST

1.25 ENCLOSURE – 200HP THROUGH 300HP

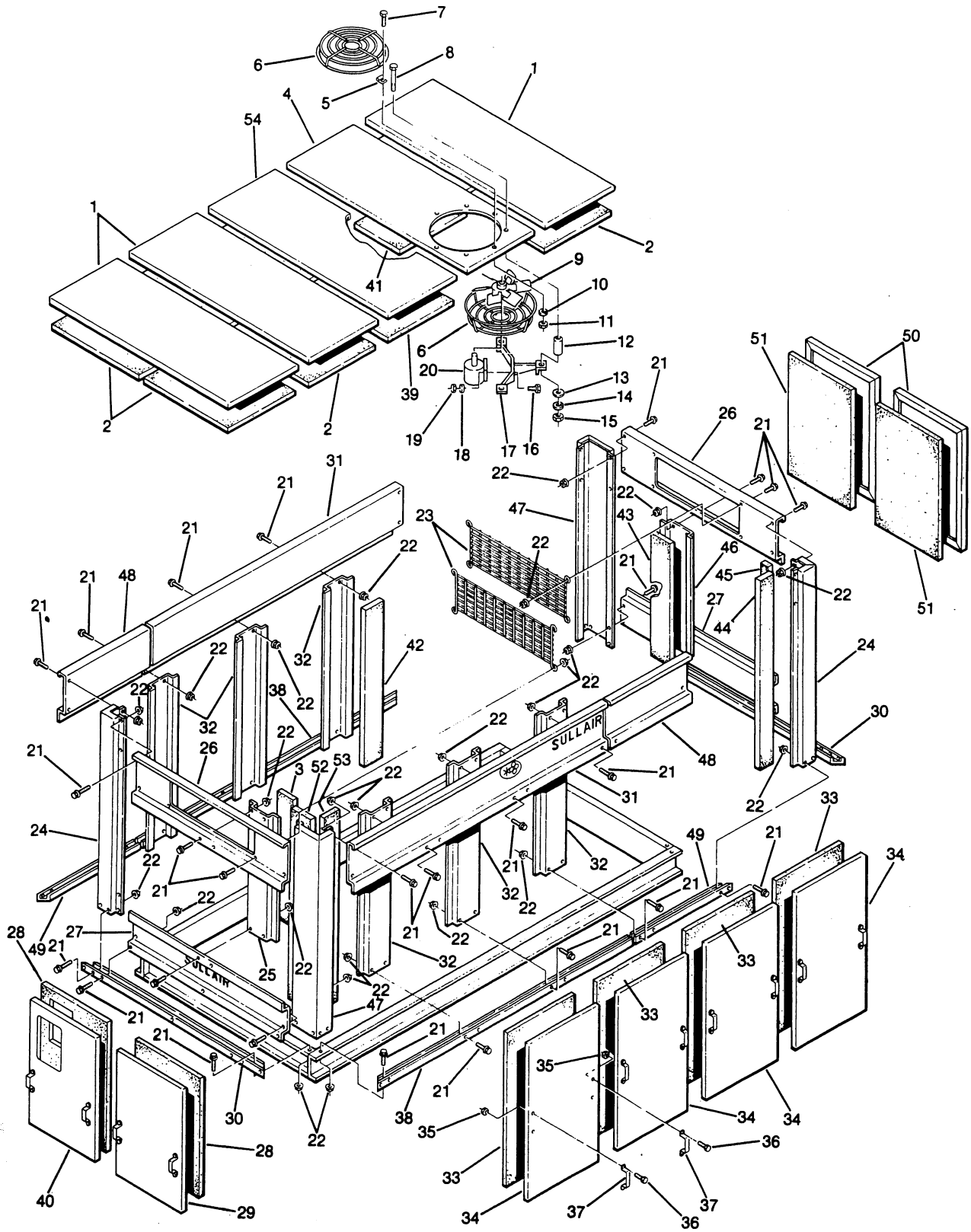
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	panel, roof 30" x 87"	250007-112	3
2	panel, fiberglass 29.50" x 41.00" x 2M	047823-157	7
3	panel, fiberglass 8.50" x 52.00" x 2M	047823-162	1
4	panel, roof 30" x 87"	250007-113	7
5	clamp, speed tube ¼"	043357	8
6	guard, fan 24"	041765	2
7	capscrew, hex gr5 5/16"-18 x 1"	828605-100	8
8	capscrew hex gr5 3/8"-16 x 3 1/2"	828606-350	6
9	fan, 20"	245748	1
10	washer, springlock regular 5/16"	837505-078	8
11	nut, hex unfinished 5/16"-18	824205-273	8
12	spacer, fan support	227267	6
13	washer, pl-b regular unfinished 3/8"	837206-071	6
14	washer, springlock regular 3/8"	837506-094	6
15	nut, hex unfinished 3/8"-16	824206-337	6
16	capscrew, hex gr5 3/8"-16 x 1 1/4"	828606-125	4
17	support, motor mount	014613	1
18	washer, pl-b regular unfinished 3/8"	837206-071	4
19	nut, hex unfinished 3/8"-16	824206-337	4
20	motor, .75HP	050288	1
21	screw, hex serrated washer 5/16" x 3/4"	829705-075	150
22	nut, hex flange plated 5/16"-18	825305-283	150
23	grille, enclosure end	249651	2
24	post, corner 6"	250007-117	2
25	support, end 8 5/8"	250007-124	1
26	panel, end header	250007-126	2
27	panel, bottom end	250007-122	1
28	panel fiberglass 32.50" x 49.00" x 2M	047823-158	2
29	panel, access 33" x 50"	250007-123	1
30	channel, end sill	250007-121	2
31	panel, side header	250007-115	2
32	support, side 8 5/8"	250007-118	6
33	panel, fiberglass 29.50" x 60.00" x 2M	047823-154	8
34	panel, access	014661	8
35	nut, hex plated 1/4"-20	825204-226	40
36	capscrew, hex gr5 1/4"-20 x 1"	828604-100	40
37	handle, canopy	042262	28
38	channel, side sill	250007-131	2

(continued on Page 85)

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1 ILLUSTRATIONS AND PARTS LIST

1.25 ENCLOSURE - 200HP THROUGH 300HP



Section 1

ILLUSTRATIONS AND PARTS LIST

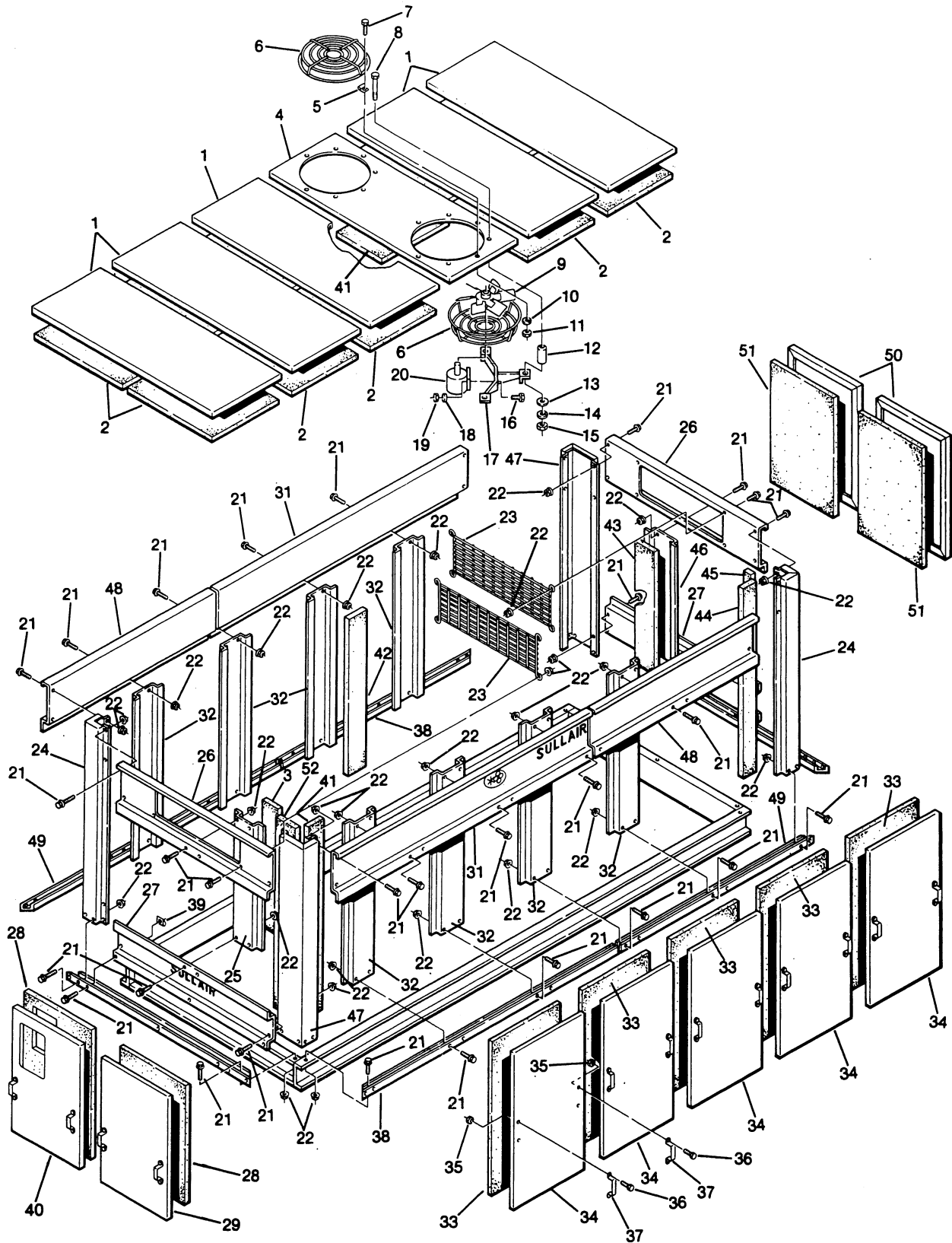
1.25 ENCLOSURE - 200HP THROUGH 300HP (continued)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
39	nut, hex flanged plated $\frac{5}{16}$ "-18	825305-283	16
40	panel, access 33" x 39.50"	250042-830	1
41	panel, fiberglass 38.25" x 41.00" x 2M	047823-163	2
42	panel, fiberglass 8.50" x 62.00" x 2M	047823-161	6
43	panel, fiberglass 8.50" x 52.00" x 2M	047823-162	1
44	panel, fiberglass 6.00" x 74.00" x 2M	047823-179	2
45	panel, fiberglass 4.50" x 74.00" x 2M	047823-180	2
46	support, end $8\frac{5}{8}$ "	250007-124	1
47	post, corner 6" x 15"	250009-423	2
48	panel, side header	250007-130	2
49	channel, side sill	250007-133	2
50	panel, access 33" x 50"	250007-123	2
51	panel, fiberglass 32.50" x 49.00" x 2M	047823-158	2
52	panel, fiberglass 13.00" x 74.00" x 2M	047823-170	2
53	panel, fiberglass 5.50" x 74.00" x 2M	047823-169	2
54	panel, roof 38.75" x 87"	250007-114	1

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1 ILLUSTRATIONS AND PARTS LIST

1.26 ENCLOSURE - 400HP THROUGH 600HP



Section 1 ILLUSTRATIONS AND PARTS LIST

1.26 ENCLOSURE - 400HP THROUGH 600HP

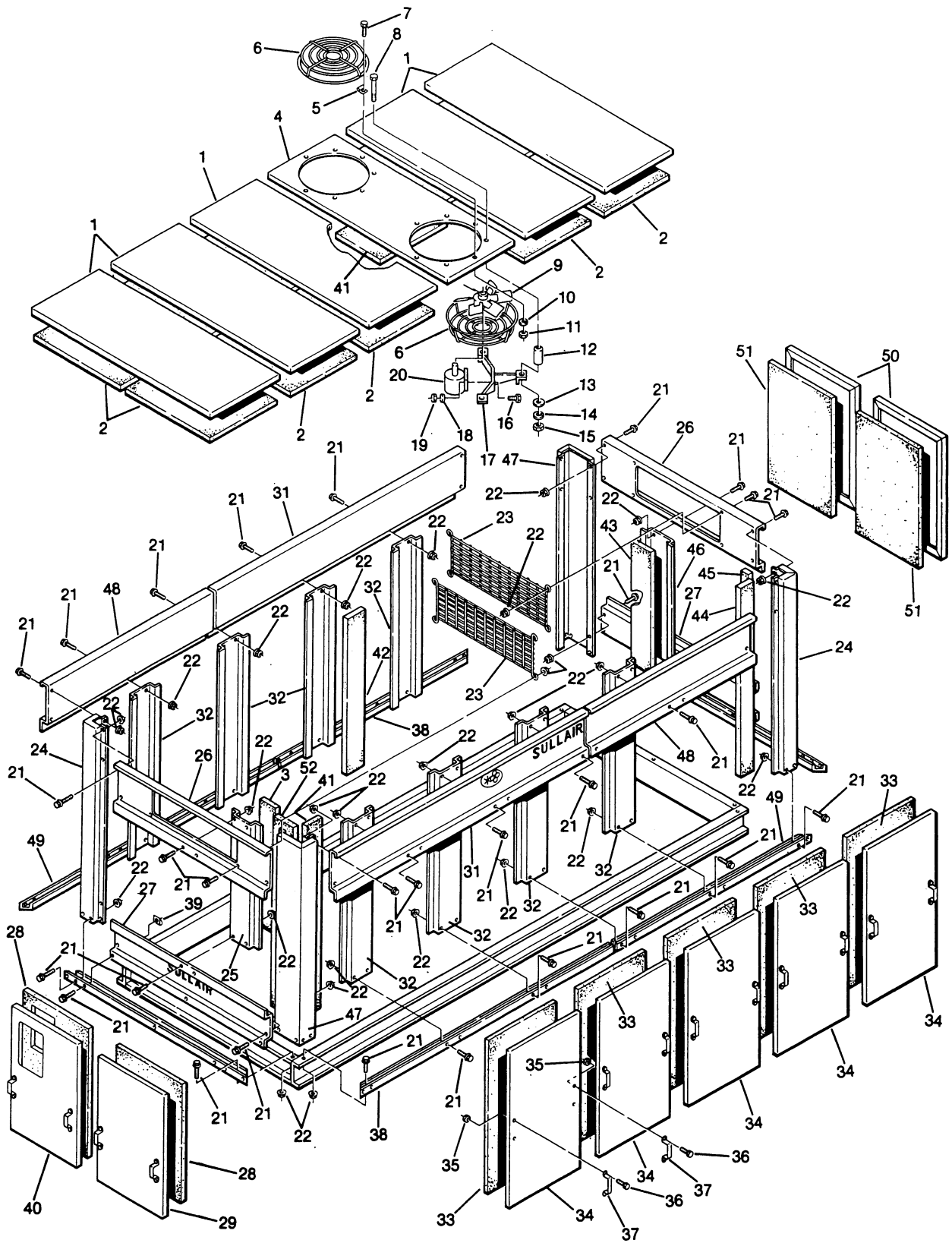
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	panel, roof 33" x 96"	250009-421	5
2	panel, fiberglass 32.50" x 45.50" x 2M	047823-164	12
3	panel, fiberglass 11.50" x 52.00" x 2M	047823-167	1
4	panel, roof	250009-422	1
5	clamp, speed tube 1/4"	043357	8
6	guard, fan 24"	041765	2
7	capscrew, hex gr5 5/16"-18 x 1"	828605-100	8
8	capscrew hex gr5 3/8"-16 x 3 1/2"	828606-350	6
9	fan, 20"	245748	1
10	washer, springlock regular 5/16"	837505-078	8
11	nut, hex unfinished 5/16"-18	824205-273	8
12	spacer, fan support	227267	6
13	washer, pl-b regular unfinished 3/8"	837206-071	6
14	washer, springlock regular 3/8"	837506-094	6
15	nut, hex unfinished 3/8"-16	824206-337	6
16	capscrew, hex gr5 3/8"-16 x 1 1/4"	828606-125	4
17	support, motor mount	014613	1
18	washer, pl-b regular unfinished 3/8"	837206-071	4
19	nut, hex unfinished 3/8"-16	824206-337	4
20	motor, .75HP	050288	1
21	screw, hex serrated washer 5/16" x 3/4"	829705-075	150
22	nut, hex flange plated 5/16"-18	825305-283	150
23	grille, enclosure end	249651	2
24	post, corner 6"	250007-117	2
25	support, end 11 5/8"	250009-916	1
26	panel, end header	250007-126	2
27	panel, bottom end	250007-122	1
28	panel fiberglass 29.50 x 49.00 x 2M	047823-168	2
29	panel, access 30" x 50"	250009-917	1
30	channel, end sill	250009-424	2
31	panel, side header	250009-494	2
32	support, side 8 5/8"	250007-118	6
33	panel, fiberglass 29.50" x 60.00" x 2M	047823-154	8
34	panel, access	014661	8
35	nut, hex plated 1/4"-20	825204-226	40
36	capscrew, hex gr5 1/4"-20 x 1"	828604-100	40
37	handle, canopy	042262	28
38	channel, side sill	250007-131	2

(continued on Page 89)

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1
ILLUSTRATIONS AND PARTS LIST

1.26 ENCLOSURE - 400HP THROUGH 600HP



Section 1
ILLUSTRATIONS AND PARTS LIST

1.26 ENCLOSURE - 400HP THROUGH 600HP (continued)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
39	nut, hex flanged plated $\frac{5}{16}$ "-18	825305-283	16
40	panel, access 33" x 39.50"	250042-830	1
41	panel, fiberglass 5.50" x 74.00" x 2M	047823-169	2
42	panel, fiberglass 8.50" x 62.00" x 2M	047823-161	6
43	panel, fiberglass 8.50" x 52.00" x 2M	047823-162	1
44	panel, fiberglass 6.00" x 74.00" x 2M	047823-179	2
45	panel, fiberglass 4.50" x 74.00" x 2M	047823-180	2
46	support, end $8\frac{5}{8}$ "	250007-124	1
47	post, corner 6" x 15"	250009-423	2
48	panel, side header	250009-425	2
49	channel, side sill	250009-426	2
50	panel, access 33" x 50"	250007-123	2
51	panel, fiberglass 32.50" x 49.00" x 2M	047823-158	2
52	panel, fiberglass 13.00" x 74.00" x 2M	047823-170	2

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

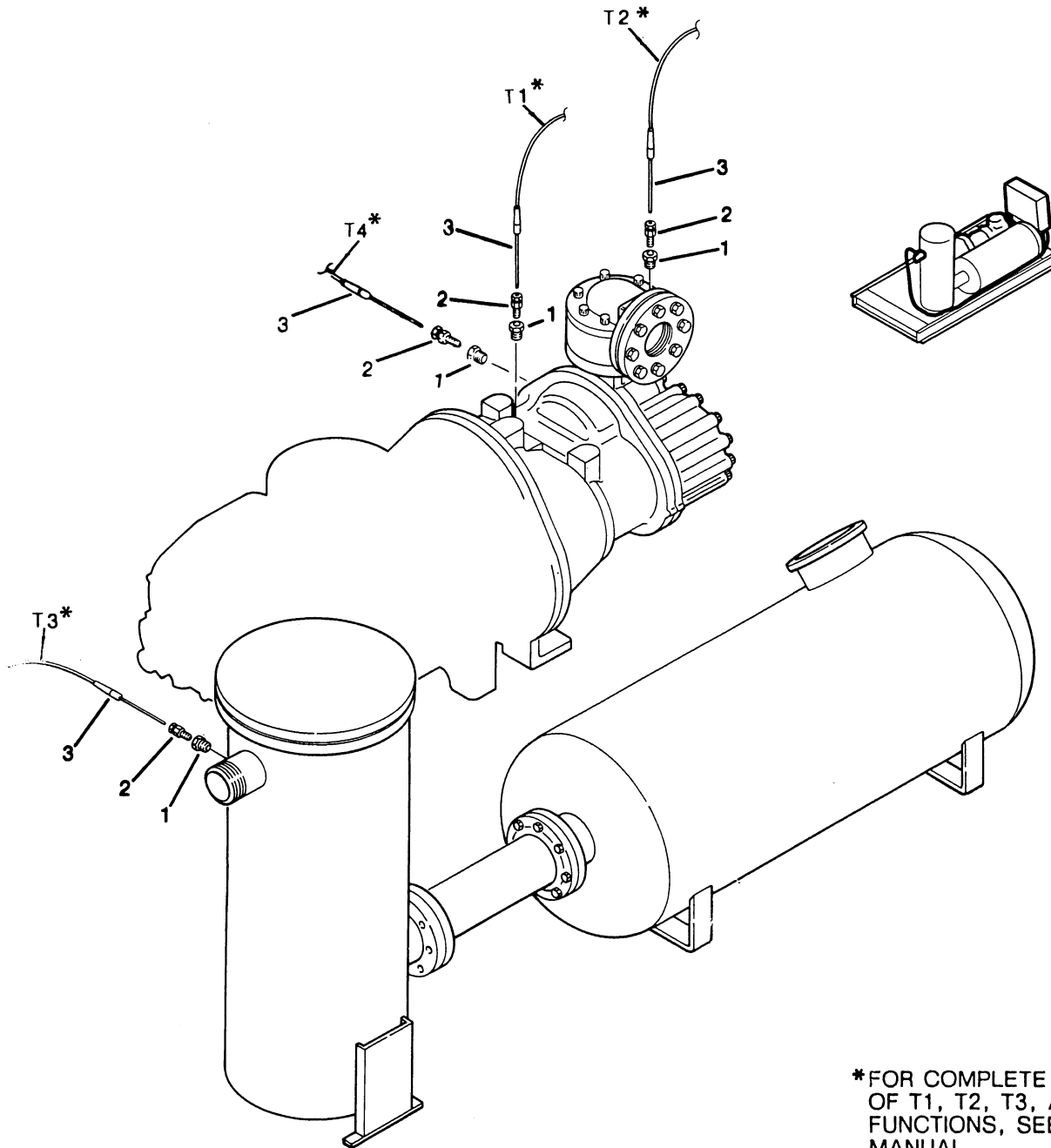
1.27 RTD PROBES - 200HP THROUGH 300HP

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	bushing, reducer $\frac{3}{4}$ " x $\frac{1}{8}$ " npt	802103-005	4
2	fitting, compression	250028-633	4
3	probe, RTD	250039-909	4

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1 ILLUSTRATIONS AND PARTS LIST

1.28 RTD PROBES - 400HP THROUGH 600HP



*FOR COMPLETE DESCRIPTIONS
OF T1, T2, T3, AND T4
FUNCTIONS, SEE OPERATOR'S
MANUAL

ILLUSTRATIONS AND PARTS LIST

1.28 THERMISTOR CONDUIT - 400HP THROUGH 600HP

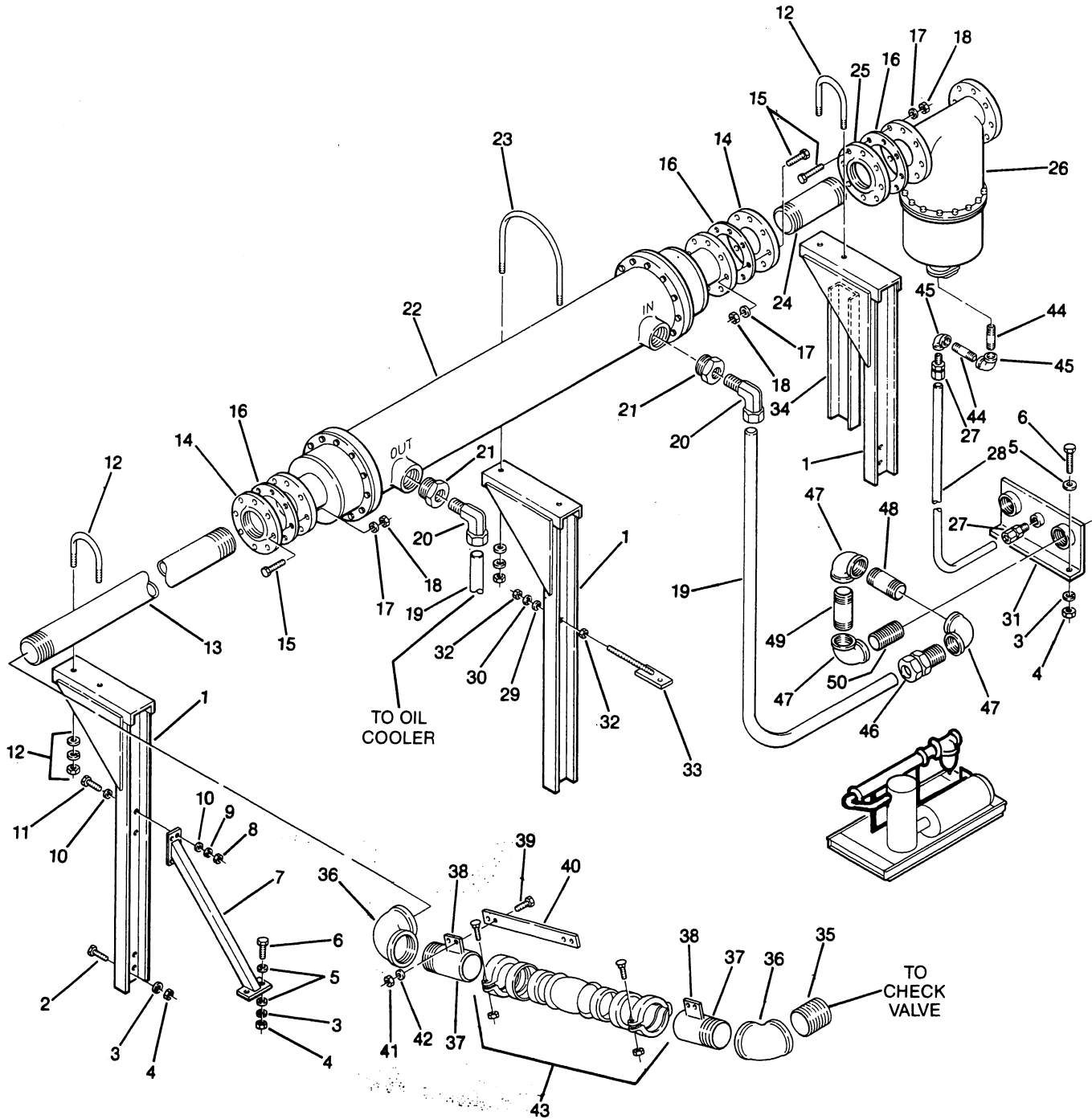
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	bushing, reducer $\frac{3}{4}$ " x $\frac{1}{8}$ " npt	802103-005	4
2	fitting, compression	250028-633	4
3	probe, RTD	250039-909	4

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1

ILLUSTRATIONS AND PARTS LIST

1.29 AFTERCOOLER - 400HP (WATER-COOLED)



Section 1 ILLUSTRATIONS AND PARTS LIST

1.29 AFTERCOOLER – 400HP (WATER-COOLED)

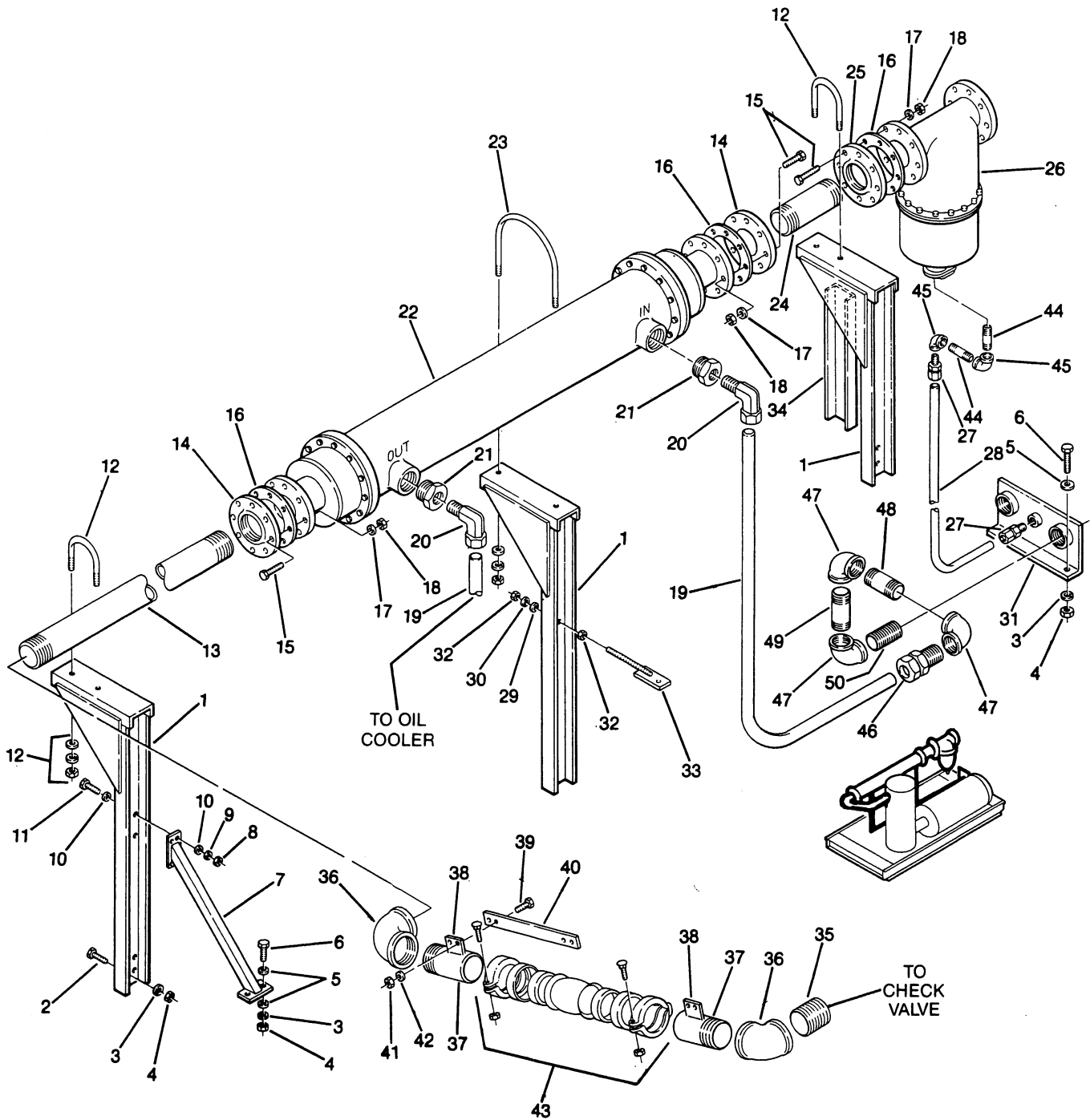
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	support, cooler	250009-924	3
2	capscrew, hex gr5 ½"-13 x 2"	828608-200	8
3	washer, springlock ½"	837508-125	6
4	nut, hex ½"-13	824208-448	6
5	washer, pl-b regular unfinished ½"	837208-112	6
6	capscrew, hex gr5 ½"-13 x 1½"	828608-150	2
7	brace, aftercooler	250009-920	1
8	nut, hex ⅜"-16	824206-337	4
9	washer, springlock ⅜"	837506-094	4
10	washer, pl-b regular unfinished ⅜"	837206-071	4
11	capscrew, hex gr5 ⅜"-16 x 1½"	828606-150	4
12	u-bolt, ½" x 4" pipe	829008-400	2
13	nipple, pipe 4" x 69½"	822164-695	1
14	flange, threaded 4"	819315-064	2
15	capscrew, hex gr5 ⅝"-11 x 3"	828610-300	24
16	gasket, 4" 125# flange full face	242437-010	3
17	washer, springlock ⅝"	837510-156	24
18	nut, hex ⅝"-11	824210-559	24
19	tubing, steel 2"	841115-032	20 feet
20	elbow, tube-m 2" x 2"	810532-200	3
21	bushing, reducing hex 3" x 2"	802112-080	2
22	aftercooler	042950	1
23	u-bolt, ½" x 8" pipe	829008-800	1
24	nipple, pipe 4" x 17½"	822164-175	1
25	flange, threaded 4"	818312-064	1
26	separator, 4" combination trap	250000-511	1
27	connector, tube ⅝" x ½"	810210-075	2
28	tubing, steel ¾"	841115-012	7 feet
29	washer, pl-b regular unfinished ¾"	837212-112	24
30	washer, springlock ¾"	837512-188	24
31	bracket, in-out 2"	250008-245	1
32	nut, hex ¾"-10	824212-665	24
33	rod, stiffener ¾" x 20"	250009-918	1
34	channel, 3" x 1½" x 50"	250010-022	1
35	nipple, pipe 4" x 4"	822164-040	2
36	elbow, pipe 90° 4"	801515-160	2
37	nipple, half 4" x 8"	822864-080	2
38	reinforcement, 3"	227152	4

(continued on Page 97)

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1 ILLUSTRATIONS AND PARTS LIST

1.29 AFTERCOOLER - 400HP (WATER-COOLED)



Section 1
ILLUSTRATIONS AND PARTS LIST

1.29 AFTERCOOLER - 400HP (WATER-COOLED) (continued)

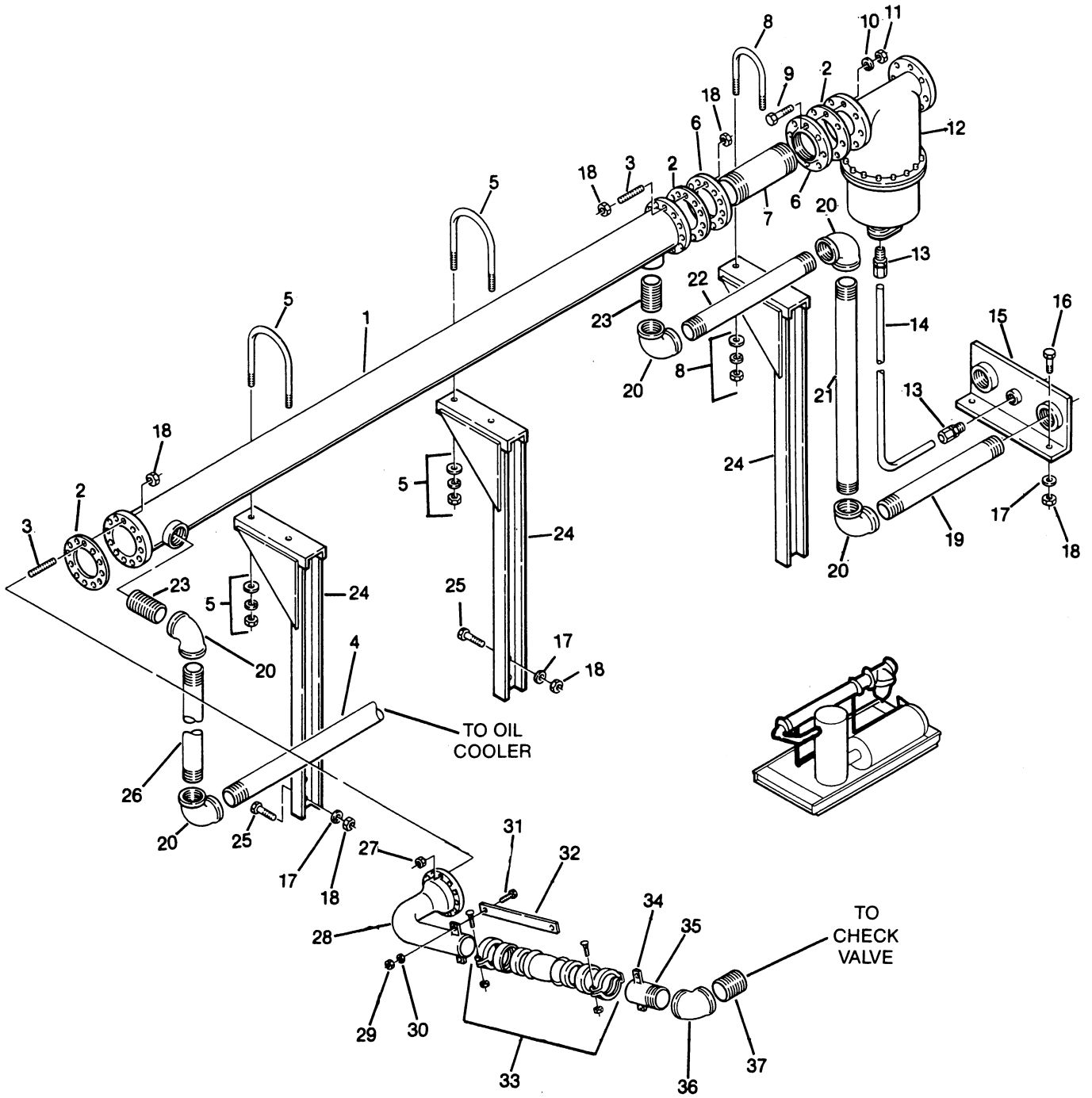
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
39	capscrew, hex gr5 $\frac{5}{16}$ "-18 x $1\frac{1}{2}$ "	838605-150	4
40	reinforcement, 13"	227154	2
41	nut, hex $\frac{5}{16}$ "-18	824205-273	4
42	washer, springlock $\frac{5}{16}$ "	837505-078	4
43	coupling, flexible 4" (I)	041085	1
44	nipple, pipe $\frac{3}{4}$ " x 3"	822112-030	1
45	elbow, pipe $\frac{3}{4}$ "	801515-030	2
46	connector, tube-m 2" x 2"	810232-200	1
47	elbow, pipe 2"	801515-080	2
48	nipple, pipe 2" x $2\frac{1}{2}$ " long	822132-035	1
49	nipple, pipe 2" x $3\frac{1}{2}$ " long	822132-025	1
50	nipple, pipe 2" x close	822232-000	1

(I) For maintenance on flexible coupling no. 041085, order repair kit no. 041353.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1
ILLUSTRATIONS AND PARTS LIST

1.30 AFTERCOOLER - 500HP THROUGH 600HP (WATER-COOLED)



Section 1 ILLUSTRATIONS AND PARTS LIST

1.30 AFTERCOOLER – 500HP THROUGH 600HP (WATER-COOLED)

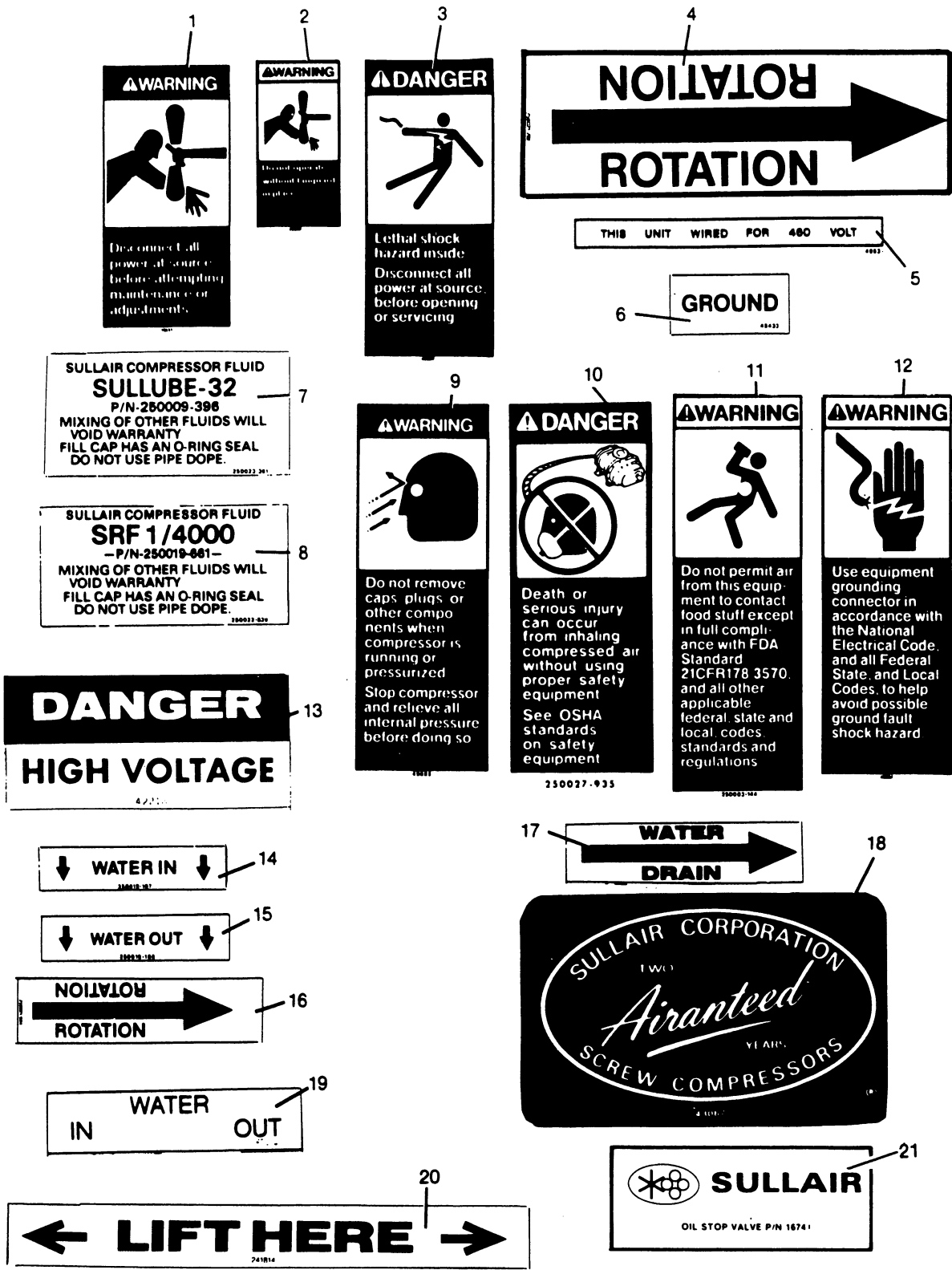
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	aftercooler	250007-805	1
2	gasket, 5"	242437-011	2
3	stud, ½" x 4¼"	842708-042	24
4	nipple, pipe 2½" x 129"	822140-129	1
5	u-bolt, ½" x 8" pipe	829008-800	2
6	flange, slip-on flat face 5"	242319-011	2
7	pipe, outlet 8" x 5"	250009-736	1
8	u-bolt, ½" x 5" pipe	829008-500	1
9	capscrew, hex gr5 ¾"-10 x 3"	828612-300	8
10	washer, springlock ¾"	837512-188	8
11	nut, hex ¾"-10	824212-665	8
12	separator, 5"	250007-799	1
13	connector, tube-m ¾" x ¾"	810212-075	2
14	tubing, steel ¾"	841115-012	7 feet
15	bracket, in-out	250016-803	1
16	capscrew, hex gr5 ½"-13 x 1½"	828608-150	2
17	washer, springlock ½"	837508-125	6
18	nut, hex ½"-13	824208-448	6
19	nipple, pipe 2½" x 18½"	822140-185	1
20	elbow, pipe reducing 2½" x 1½"	801610-060	2
21	nipple, pipe 2½" x 16"	822140-160	1
22	nipple, pipe 2½" x 26½"	822140-265	1
23	nipple, pipe 1½" x close	822240-000	2
24	support, cooler	250009-924	3
25	capscrew, hex gr5 ½"-13 x 2"	828608-200	8
26	nipple, pipe 2½" x 44½"	822140-445	1
27	nut, hex ¾"-10	824212-665	32
28	elbow, inlet 8" x 4" reducer	250009-737	1
29	nut, hex ⅝"-16	824206-337	4
30	washer, springlock ⅝"	837506-094	4
31	capscrew, hex gr5 ⅝"-16 x 1½"	828606-150	4
32	reinforcement, 13"	250035-138	2
33	coupling, flexible 4"(I)	041085	4
34	reinforcement, 3"	250035-136	4
35	nipple, half 4" x 8"	822864-080	1
36	elbow, pipe 90° 4"	801515-160	1
37	nipple, pipe 4" x 9"	822164-090	1

(I) For maintenance on Flexmaster coupling no. 041085, order repair kit no. 041353.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1
ILLUSTRATIONS AND PARTS LIST

1.31 DECAL GROUP



Section 1 ILLUSTRATIONS AND PARTS LIST

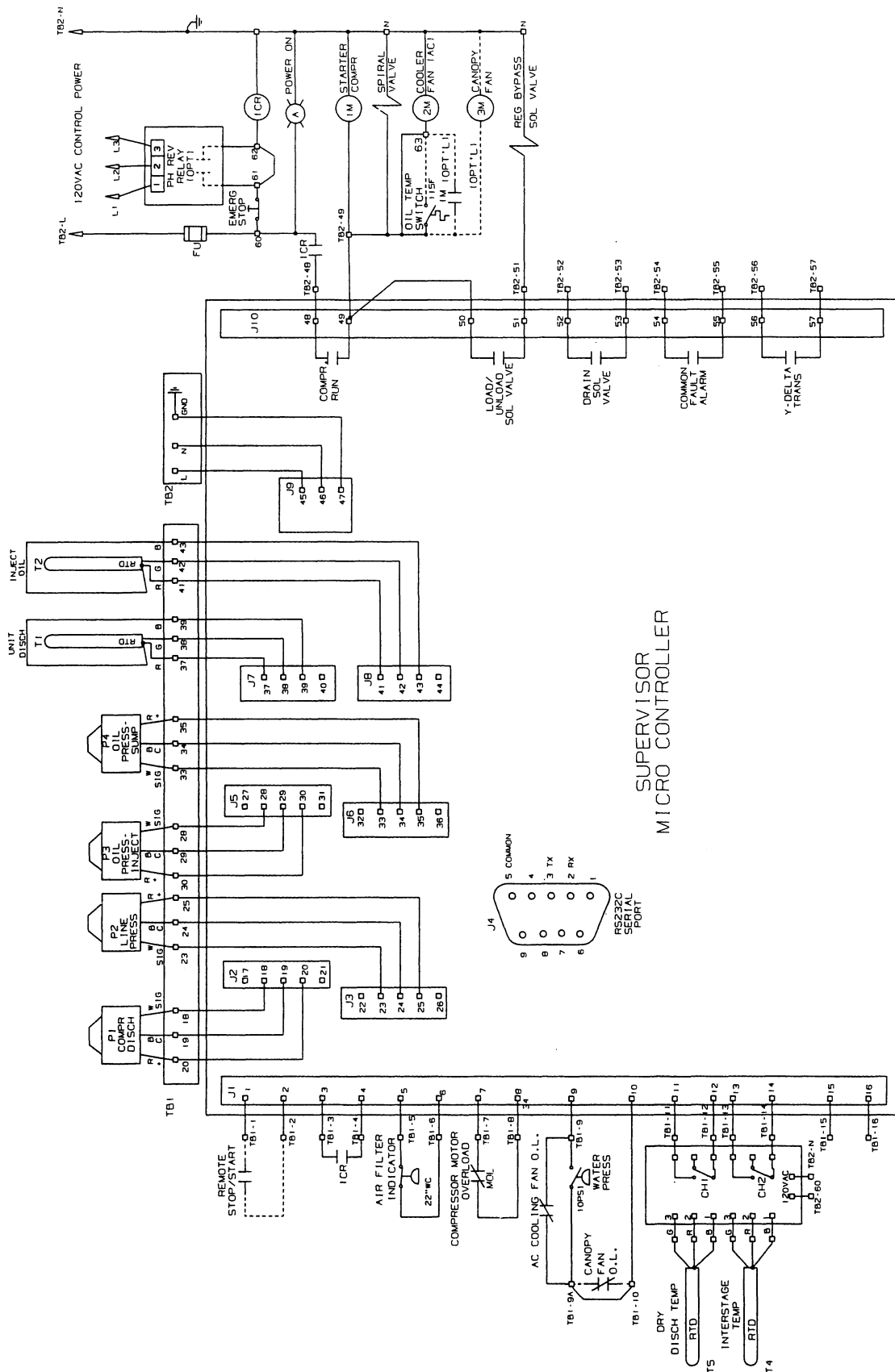
1.31 DECAL GROUP

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	sign, warning sever fan	049855	2
2	sign, warning sever fan port	049965	1
3	sign, danger electrocution	049850	1
4	decal, rotation	250021-286	1
5	decal, 460 volt	040631	1
6	decal, grounding lug	045433	1
7	decal, Sullube 32 compressor fluid	250023-361	1
8	decal, SRF 1/4000 compressor fluid	250022-839	1
9	sign, warning compressor fluid fill cap	049685	1
10	sign, danger air breathing	250027-935	1
11	sign, warning "food grade" lube	250003-144	1
12	sign, warning ground fault	049852	1
13	decal, danger high voltage	042218	1
14	decal, water in	250019-107	1
15	decal, water out	250019-108	1
16	decal, rotation	250021-564	1
17	decal, water drain	250022-310	1
18	decal, airanteed 2 year - white	043067	1
19	decal, water inlet/outlet	250022-810	1
20	decal, fork lifting	241814	4
21	decal, fluid stop valve P/N 016742	410239	1

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR

Section 1 ILLUSTRATIONS AND PARTS LIST

1.32 WIRING DIAGRAM



NOTES

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