



# **INDUSTRIAL AIR COMPRESSOR**

**SERIES 12 & 16  
40, 50, 60, 75 & 100 HP  
(30, 37, 45, 55 & 75kw)  
STANDARD & 24 KT**

**PARTS  
MANUAL**

Part Number 02250048-743  
©Sullair Corporation, 1993  
Effective 12/93

## **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–SULLAIR or 219–879–5451 (ext. 1867)

– Or Write –

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

## TABLE OF CONTENTS

### Section 1

# ILLUSTRATIONS AND PARTS LIST

#### PAGE

<b>1</b>	1.1 PROCEDURE FOR ORDERING PARTS
<b>1</b>	1.2 RECOMMENDED SPARE PARTS LIST
<b>2</b>	1.3 MOTOR, FRAME, COMPRESSOR AND PARTS (12 SERIES)
<b>6</b>	1.4 MOTOR, FRAME, COMPRESSOR AND PARTS (16 SERIES)
<b>8</b>	1.5 AIR INLET SYSTEM (12 AND 16 SERIES)
<b>10</b>	1.6 COMPRESSOR COOLING AND LUBRICATION SYSTEM (AIR-COOLED, 12 SERIES 40 AND 50HP)
<b>14</b>	1.7 COMPRESSOR COOLING AND LUBRICATION SYSTEM (WATER-COOLED, 12 SERIES 40 AND 50HP)
<b>18</b>	1.8 COMPRESSOR COOLING AND LUBRICATION SYSTEM (AIR-COOLED, 12 SERIES 60HP, AND 16 SERIES 60-100HP)
<b>22</b>	1.9 COMPRESSOR COOLING AND LUBRICATION SYSTEM (WATER-COOLED, 12 SERIES 60HP, AND 16 SERIES 60-75HP)
<b>28</b>	1.10 COMPRESSOR COOLING AND LUBRICATION SYSTEM (WATER-COOLED, 16 SERIES 100HP)
<b>34</b>	1.11 COMPRESSOR DISCHARGE SYSTEM (12 AND 16 SERIES)
<b>40</b>	1.12 AIR-COOLED COOLING ASSEMBLY (12 AND 16 SERIES)
<b>42</b>	1.13 CAPACITY CONTROL SYSTEM (12 AND 16 SERIES)
<b>46</b>	1.14 INSTRUMENT PANEL AND PARTS (12 AND 16 SERIES)
<b>48</b>	1.15 ELECTRO-PNEUMATIC CONTROL SYSTEM (12 AND 16 SERIES)
<b>50</b>	1.16 ELECTRIC CONTROL BOX (12 AND 16 SERIES)
<b>54</b>	1.17 CANOPY ENCLOSURE AND PARTS (12 AND 16 SERIES)
<b>58</b>	1.18 DECAL GROUP

# NOTES

Section 1

# 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 or phone numbers 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.

**SULLAIR ASIA, LTD.**  
 ROOM 2304A  
 Shartex Plaza Ctr.  
 No. 88 Zun Yi Nan Rd.  
 Shanghai, P.R.C.  
 Telephone: 21-2192066  
 FAX: 21-2196568

**SULLAIR CORPORATION**  
 Subsidiary of Sundstrand Corporation  
 3700 East Michigan Boulevard  
 Michigan City, Indiana 46360 U.S.A.  
 Telephone: 1-800-SULLAIR or  
 1-219-879-5451  
 FAX: (219) 874-1273

**SULLAIR EUROPE, S.A.**  
 Chemin de Genas BP 639  
 69800 Saint Priest, France  
 Telephone: 33-72232425  
 FAX: 33-78907168

## 1.2 RECOMMENDED SPARE PARTS LIST

DESCRIPTION	KIT NUMBER	QUANTITY
element for compressor fluid filter 250025-522 (40-75 HP)	250025-526	1
element, compressor fluid filter (100 HP)	250025-524	1
element for standard air filter 250020-315	040899	1
element for heavy duty air filter 049103 (12 Series)	049301	1
element for heavy duty primary air filter 047274 (16 Series)	047542	1
element for heavy duty safety air filter 047274	047543	1
primary element for separator 250034-115	250034-116	1
secondary element for separator 250042-861	250042-862	1
repair kit for minimum pressure/check valve 241581 (12 Series)	250026-758	1
repair kit for minimum pressure/check valve 250016-618 (16 Series)	250019-444	1
repair kit, cap for minimum pressure/check valve 250016-618 (16 Series)	02250046-396	1
repair kit, o-ring for minimum pressure/check valve 250016-618 (16 Series)	02250048-363	1
repair kit, piston for minimum pressure/check valve 250016-618 (16 Series)	02250051-337	1
repair kit for thermal valve 014512	001168	1
repair kit for fluid stop valve 016741	001684	1
repair kit for pressure regulator 406929	041742	1
repair kit for blowdown valve 250030-276	02250045-132	1
repair kit for solenoid valve 250038-674	250038-673	1
replacement kit for solenoid valve coil 250038-674	250031-738	1
repair kit for flexible gasket 040648 (Std.)	040649	2
repair kit for flexible gasket 250007-563 (KT)	250007-564	2
Sullicon spring	250006-526	1
replacement kit for Sullicon Control	250020-353	1
repair kit for v-type strainer 241771	241772	1
repair kit for shaft seal (12 Series)	(I)	1
repair kit for shaft seal (16 Series)	(I)	1
fluid, SRF 1/4000 (Std. 12 Series; Std. 16 Series 60 and 75HP) (5 gallons)	250019-662	(II)
lubricant, Sullube 32 (Std. 16 Series 100HP) (5 gallons)	250022-669	(II)
lubricant, 24KT (5 gallons)	046850-001	(II)

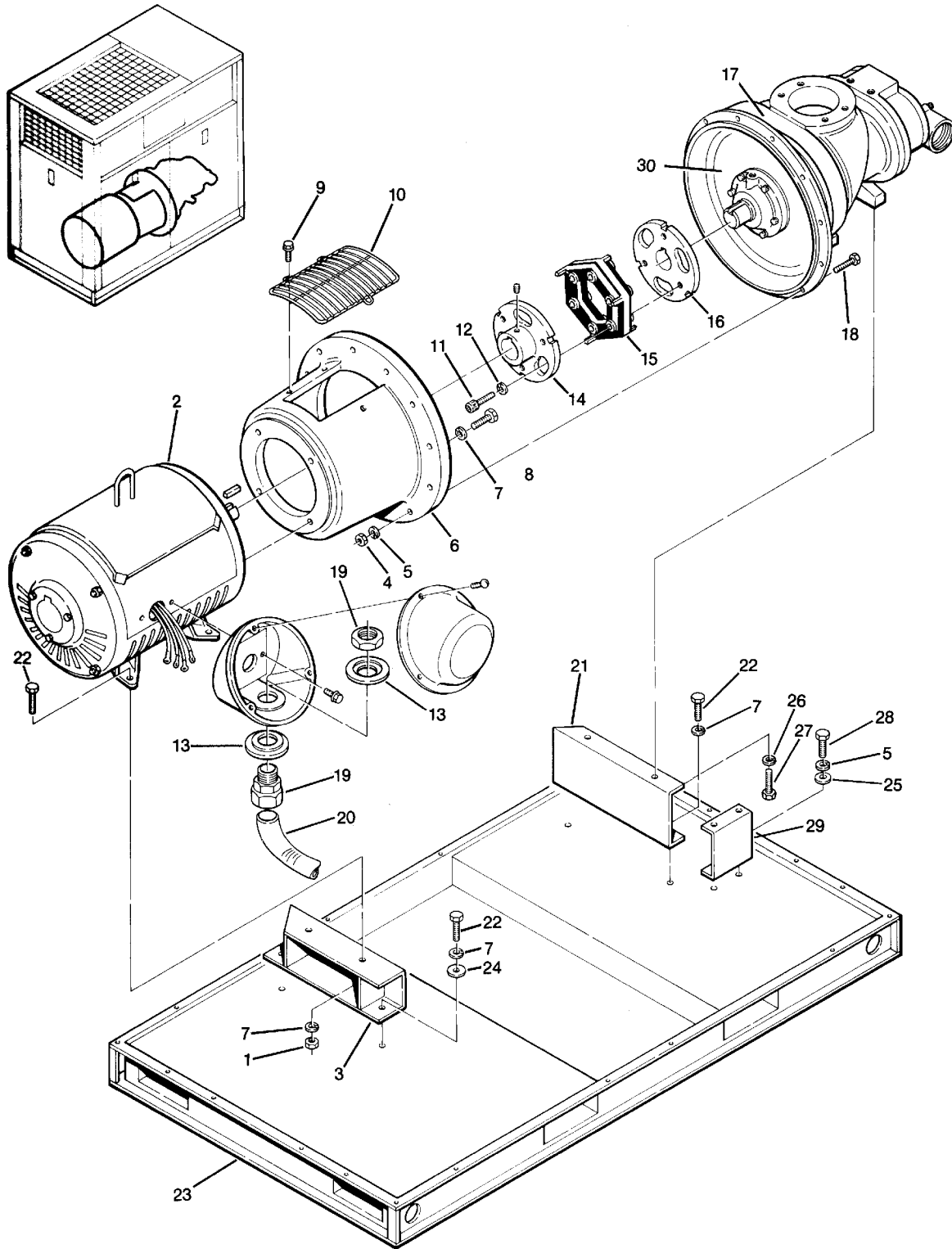
(I) Consult factory with compressor unit part number.

(II) For proper amount of fluid fill, please consult Lubrication Guide in Section 3, Specifications.

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

# ILLUSTRATIONS AND PARTS LIST

## 1.3 MOTOR, FRAME, COMPRESSOR AND PARTS (12 SERIES)



Section 1

# ILLUSTRATIONS AND PARTS LIST

## 1.3 MOTOR, FRAME, COMPRESSOR AND PARTS (12 SERIES)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	nut, hex 5/8"	824210-559	2
2	motor, 40HP (230/460V) • motor, 50HP (230/460V) • motor, 60HP (230/460V)	250016-692 250016-693 250016-694	1 1 1
3	support, motor (60HP) • support, motor (40 and 50HP)	250018-536 250017-490	1 1
4	nut, hex 3/8"-16	824206-337	12
5	washer, springlock 3/8"	837506-094	14
6	adapter, motor/compressor	250014-882	1
7	washer, springlock 5/8"	837510-156	10
8	capscrew, hex 5/8"-11 x 1 1/2"	828610-150	4
9	screw, hex serrated washer 5/16" x 3/4"	829705-075	3
10	guard, coupling	250018-412	1
11	capscrew, ferry 1/2"-13 x 2 1/2" (40 & 50HP) • capscrew, ferry 5/8"-11 x 2 3/4" (60HP)	828408-250 828410-275	6 6
12	washer, springlock 1/2" (40 and 50HP) • washer, springlock 5/8" (60HP)	837508-125 837510-156	6 6
13	washer, conduit reducing 3" x 1 1/2"	847012-060	2
14	hub, coupling (40 and 50HP) • hub, coupling (60HP)	250018-005 250018-008	1 1
15	element, coupling (40 and 50HP) • element, coupling (60HP)	250004-641 250018-551	1 1
16	hub, coupling (40 and 50HP) • hub, coupling (60HP)	250004-642 250018-006	1 1
17	compressor unit (I)	Consult the Factory	1
18	capscrew, hex 3/8"-16 x 2 1/4"	828606-225	12
19	grip, cord	250014-557	1
20	wire, type g-gc 4 ga (ft.)	250014-306	4
21	support, compressor	250017-489	1
22	capscrew, hex 5/8"-11 x 1 1/4"	828610-125	6
23	frame, main	250015-817	1

(continued on Page 5)

(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.

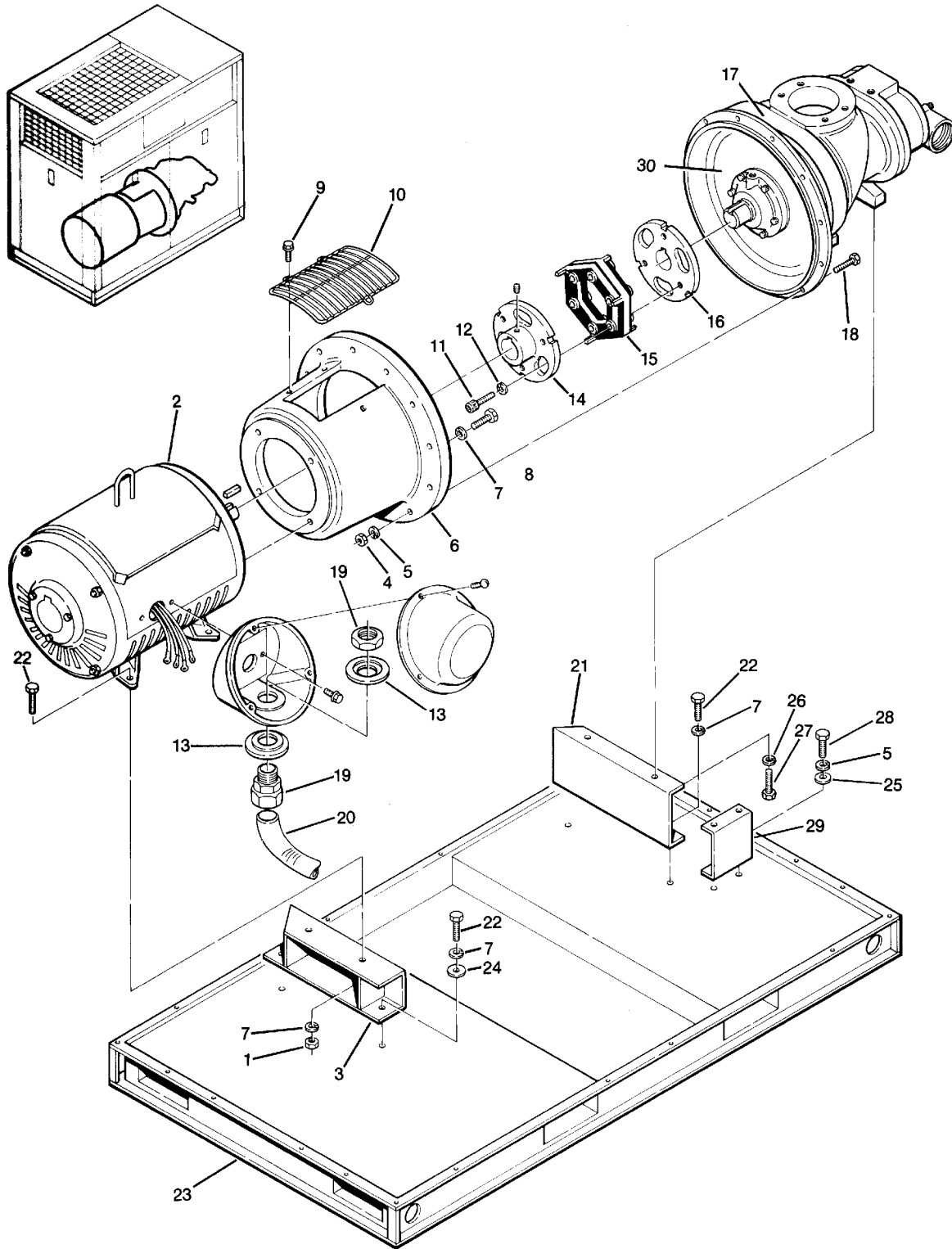
The shaft seal is not considered part of the compressor unit in regard to the 2 year warranty, but the normal Sullair parts warranty applies. For shaft seal repairs, order shaft seal repair kit No. 602540-002.

---

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

# ILLUSTRATIONS AND PARTS LIST

## 1.3 MOTOR, FRAME, COMPRESSOR AND PARTS (12 SERIES)



Section 1

# ILLUSTRATIONS AND PARTS LIST

---

## 1.3 MOTOR, FRAME, COMPRESSOR AND PARTS (12 SERIES) (continued)

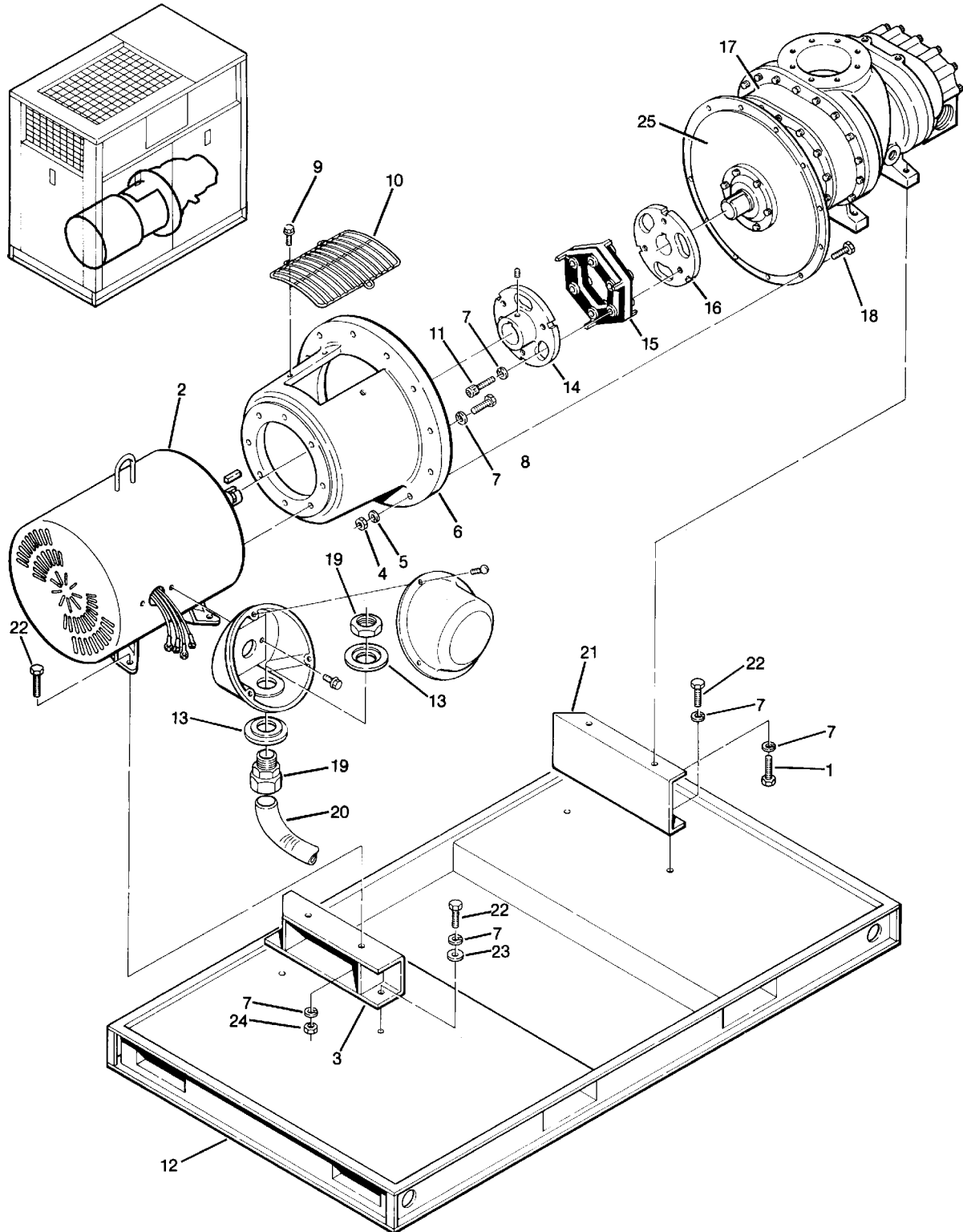
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
24	washer, pl-b regular unfinished $\frac{5}{8}$ "	837210-112	2
25	washer, pl-b regular unfinished $\frac{3}{8}$ "	837206-071	2
26	washer, springlock regular $\frac{1}{2}$ "	837508-125	8
27	capscrew, hex $\frac{1}{2}$ " - 13 x $1\frac{1}{2}$ "	828608-150	2
28	capscrew, $\frac{3}{8}$ " x 1"	828606-100	2
29	bracket, discharge piping	250018-433	1
30	adapter, SAE flange	250016-605	1

---

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

# ILLUSTRATIONS AND PARTS LIST

## 1.4 MOTOR, FRAME, COMPRESSOR AND PARTS (16 SERIES)



Section 1

# ILLUSTRATIONS AND PARTS LIST

---

## 1.4 MOTOR, FRAME, COMPRESSOR AND PARTS (16 SERIES)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	capscrew, hex 1/2" - 13 x 1 1/2"	828608-150	2
2	motor, 60HP (230/460V) • motor, 75HP (230/460V)	250016-694 250016-695	1 1
3	support, motor	250017-492	1
4	nut, hex 3/8" - 16	824206-337	12
5	washer, springlock 3/8"	837506-094	12
6	adapter, motor/compressor	250014-883	1
7	washer, springlock 5/8"	837510-156	24
8	capscrew, hex 5/8" - 11 x 1 1/2"	828610-150	8
9	screw, hex serrated washer	829705-075	3
10	guard, coupling	250018-412	1
11	capscrew, ferry 5/8" - 11 x 2 3/4"	828410-275	6
12	frame, main	250015-817	1
13	washer, conduit reducing 3" x 1 1/2"	847012-060	2
14	hub, coupling	250018-006	1
15	element, coupling (less hardware)	250018-551	1
16	hub, coupling	250018-007	1
17	compressor unit (I)	Consult the Factory	1
18	capscrew, hex 3/8" - 16 x 2 1/4"	828606-225	12
19	grip, cord #2 (75HP) • grip, cord #2 (60HP)	250014-559 250014-557	2 2
20	wire, type g-gc (75HP) (ft.) • wire, type g-gc (60HP) (ft.)	250014-308 250014-306	4 4
21	support, compressor	250017-491	1
22	capscrew, hex 5/8" - 11 x 1 1/4"	828610-125	6
23	washer, 5/8"	837210-112	2
24	nut, hex 5/8" - 11	824210-559	2
25	adapter, SAE flange	250016-611	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.

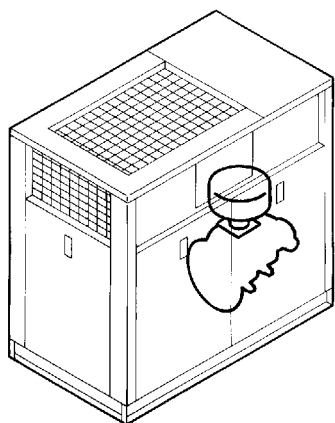
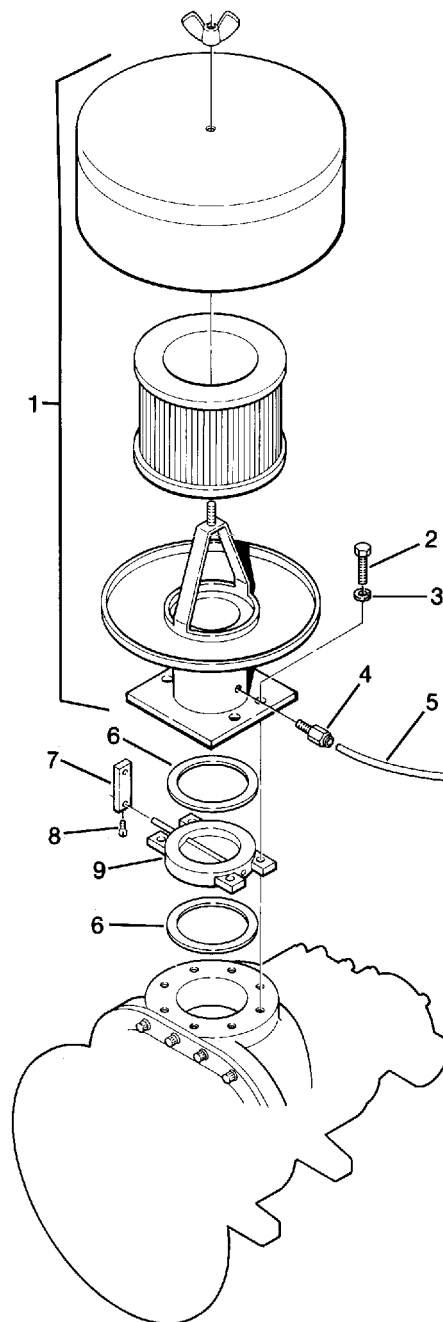
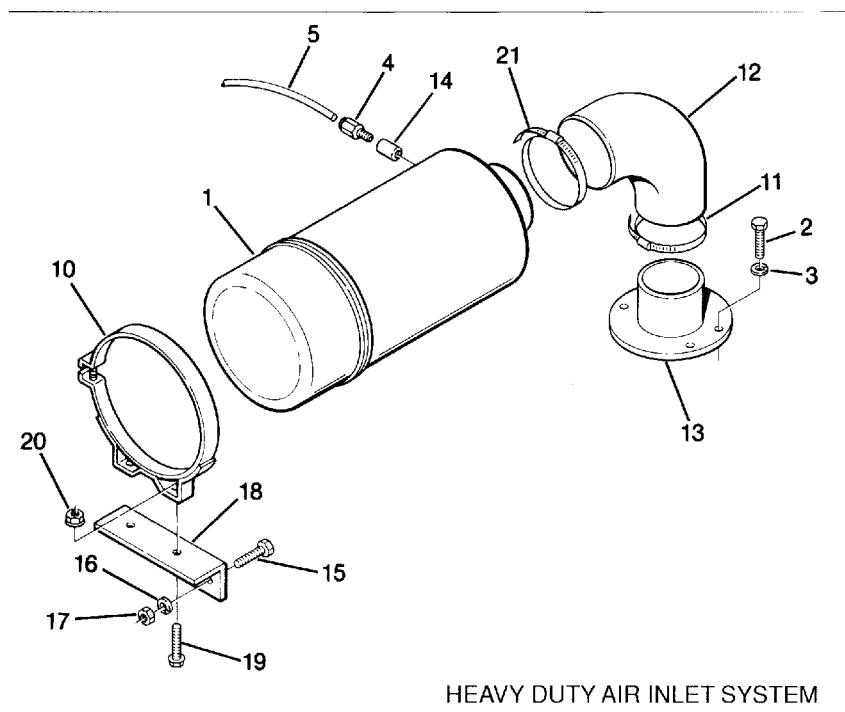
The shaft seal is not considered part of the compressor unit in regard to the 2 year warranty, but the normal Sullair parts warranty applies. For shaft seal repairs, order shaft seal repair kit No. 602541-002

---

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

# Section 1 ILLUSTRATIONS AND PARTS LIST

## 1.5 AIR INLET SYSTEM (12 AND 16 SERIES)



Section 1

# ILLUSTRATIONS AND PARTS LIST

---

## 1.5 AIR INLET SYSTEM (12 AND 16 SERIES)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	filter, assembly air (with flanged base) (I) • filter, assembly air (12 Series) (II) • filter, assembly air (16 Series) (III)	250020-315 049103 047274	1 1 1
2	capscrew, hex 1/2" - 13 x 2 1/2"	828608-250	4
3	washer, springlock 1/2"	837508-125	4
4	connector, tube-straight 1/8" npt x 1/4" t	813604-125	1
5	tubing, thermoplastic 1/4" od (ft.)	250024-745	7
6	gasket, 1/32" x 5 1/4" od x 4 1/8" id	040708	2
7	lever, inlet valve	020687	1
8	screw, set 5/16" - 18 x 3/4"	408383	1
9	valve, butterfly 4"	040640	1
10	band, air filter mounting (12 Series) • band, air filter mounting (16 Series)	049104 040194	1 1
11	clamp, hose	040642	1
12	elbow, 90° rubber (12 Series) • elbow, 90° rubber (16 Series)	040550 047275	1 1
13	adapter, compressor inlet assy (12 Series) • adapter, compressor inlet assy (16 Series)	250021-230 011168	1 1
14	coupling, pipe 1/8" galvanized	803215-005	1
15	capscrew, hex 3/8" - 16 x 2 1/2"	828606-250	2
16	washer, springlock 3/8"	837506-094	2
17	nut, hex 3/8" - 16	824206-337	2
18	angle, filter support	250019-508	1
19	screw, hex serrated washer 5/16" x 3/4"	829705-075	2
20	nut, hex flanged plated 5/16" - 18	825305-283	2
21	clamp, hose (12 Series) • clamp, hose (16 Series)	040642 408153	1 1

(I) For maintenance on air filter assembly no. 250020-315, order element no. 040899.

(II) For maintenance on air filter assembly no. 049103, order element no. 049301.

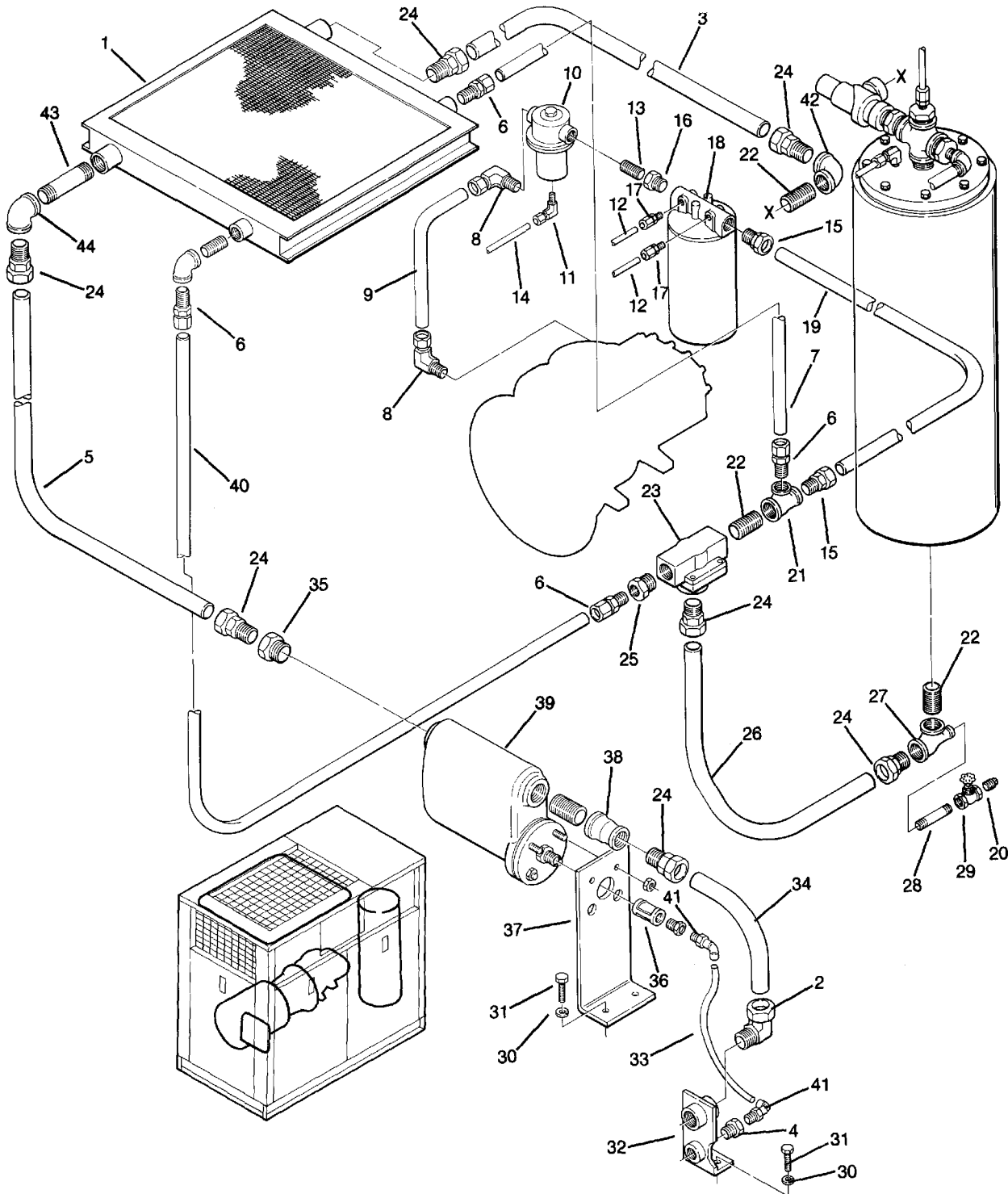
(III) For maintenance on air filter assembly no. 047274, order primary element no. 047542 and safety element no. 047543.

---

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

# ILLUSTRATIONS AND PARTS LIST

## 1.6 COMPRESSOR COOLING AND LUBRICATION SYSTEM (AIR-COOLED, 12 SERIES, 40 AND 50HP)



Section 1

# ILLUSTRATIONS AND PARTS LIST

---

## 1.6 COMPRESSOR COOLING AND LUBRICATION SYSTEM (AIR-COOLED, 1 2 SERIES, 40 AND 50HP)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	cooler, fluid and aftercooler assembly	250038-657	1
2	elbow, tube-m 1 1/2" x 1 1/2"	810524-150	1
3	tube, 1 1/2"	250018-259	1
4	bushing, reducing 3/4" x 1/2"	802103-020	1
5	tube, 1 1/2" od	250018-251	1
6	connector, tube 1" x 1"	810216-100	3
7	tube, 1"	250039-986	1
8	elbow, tube 1" x 1"	810516-100	3
9	tube, 1"	250038-497	1
10	valve, fluid stop 1" (I)	016741	1
11	elbow, tube 5/16" x 1/4"	810505-025	1
12	tubing, 1/4" (ft.)	841015-004	10
13	nipple, pipe 1" x close	822216-000	3
14	tubing, 5/16" stainless steel (ft.)	841215-005	2.7
15	connector, tube-m 1 1/4" x 1 1/4"	810220-125	2
16	bushing, reducing 1 1/4" x 1"	802105-040	1
17	connector, tube-m 1/4" x 1/4"	810204-025	2
18	filter, fluid (II)	250025-522	1
19	tube, 1 1/4"	250018-246	1
20	plug, pipe 1/2"	807800-020	1
21	tee, reducing 1 1/2" x 1 1/4" x 1"	802206-054	1
22	nipple, pipe 1 1/2" x close	822224-000	2
23	valve, thermal (III)	014512	1
24	connector, tube-m 1 1/2" x 1 1/2"	810224-150	7
25	bushing, reducing 1 1/2" x 1"	802106-040	1
26	tube, 1 1/2"	250018-376	1
27	tee, reducing 1 1/2" x 1/2" x 1 1/2"	802206-026	1
28	nipple, pipe 1/2" x 4"	822108-040	1
29	valve, globe 1/2"	041007	1
30	washer, springlock 1/2"	837508-125	3
31	capscrew, hex 1/2"-13 gr5	828608-150	3
32	bracket, air connector and condenser drain	250017-233	1

(continued on Page 13)

(I) For maintenance on fluid stop valve no. 016741, order repair kit no. 001684.

(II) For maintenance on fluid filter no. 250025-522, order repair kit no. 250025-526.

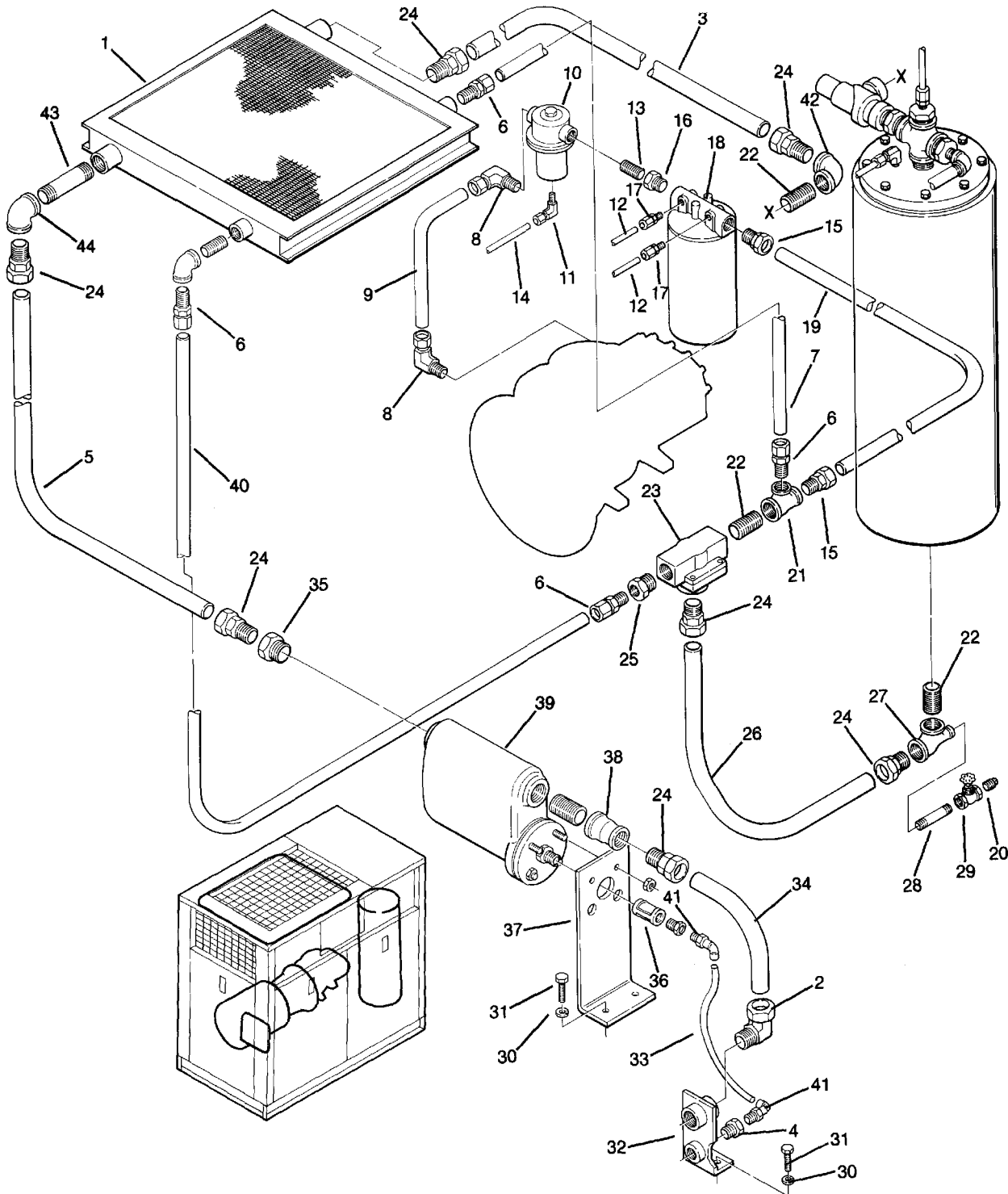
(III) For maintenance on thermal valve no. 014512, order repair kit no. 001168.

---

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

# ILLUSTRATIONS AND PARTS LIST

## 1.6 COMPRESSOR COOLING AND LUBRICATION SYSTEM (AIR-COOLED, 1 2 SERIES, 40 AND 50HP)



Section 1

## ILLUSTRATIONS AND PARTS LIST

---

### 1.6 COMPRESSOR COOLING AND LUBRICATION SYSTEM (AIR-COOLED, 1 2 SERIES, 40 AND 50HP)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
33	tubing, thermosplastic $\frac{3}{8}$ " od (ft.)	250024-746	1
34	tube, 1 $\frac{1}{2}$ "	250018-252	1
35	bushing, reducing 2" x 1 $\frac{1}{2}$ "	802108-060	1
36	coupling, pipe $\frac{1}{2}$ "	801215-020	1
37	bracket, separator trap	250018-378	1
38	coupling, reducing 2" x 1 $\frac{1}{2}$ "	801016-012	1
39	separator/trap (IV)	040847	1
40	tube, 1"	250018-245	1
41	connector, tube elbow $\frac{3}{8}$ " tube x $\frac{1}{2}$ " npt	813706-375	2
42	elbow, 1 $\frac{1}{2}$ " x 1 $\frac{1}{4}$ " reducing	801606-050	1
43	nipple, pipe 1 $\frac{1}{2}$ " x 7 $\frac{1}{2}$ "	822124-075	1
44	elbow, pipe 90° 1 $\frac{1}{2}$ "	801515-060	1

(IV) For maintenance on separator/trap no. 040847, order separator kit no. 044374.

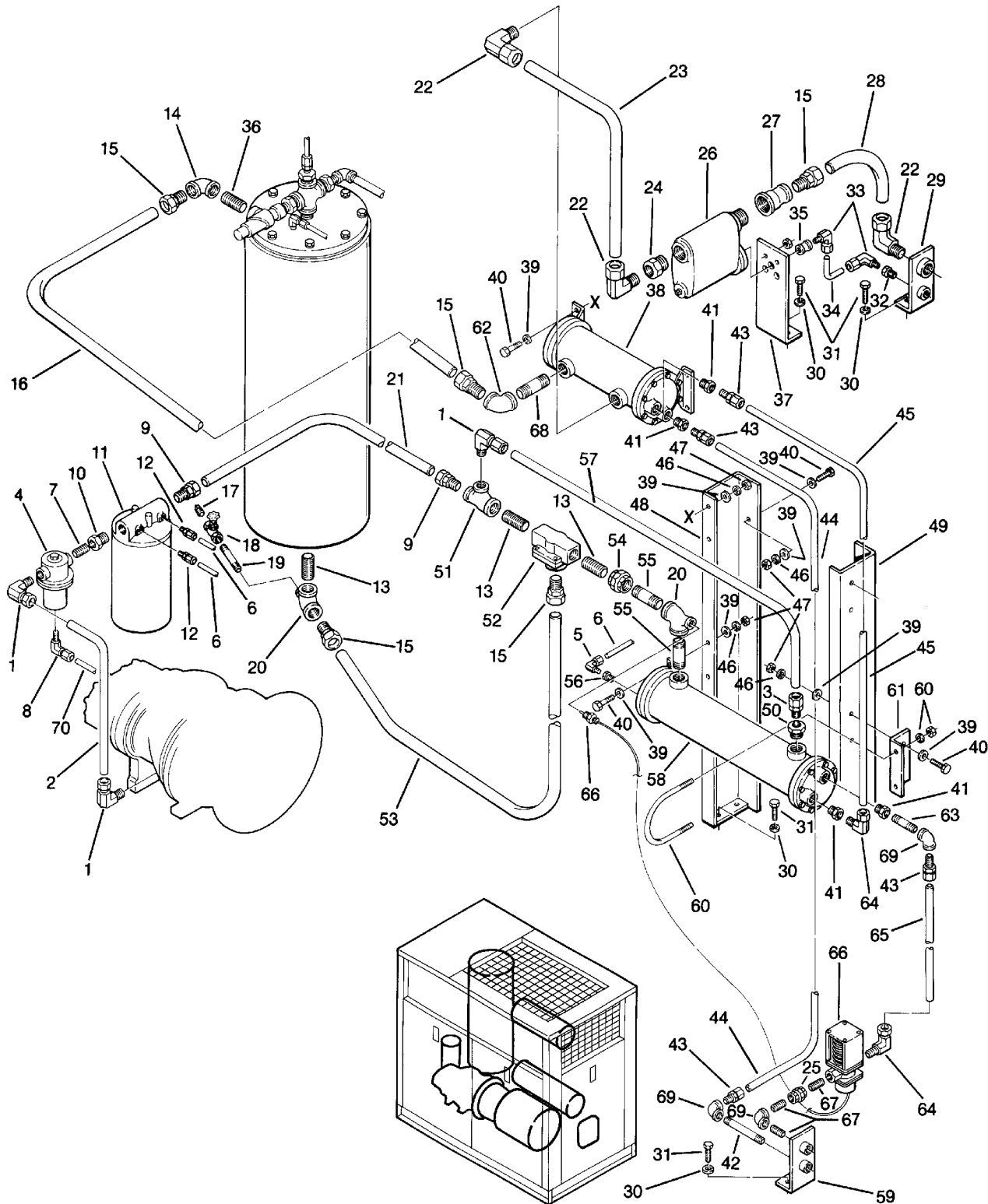
---

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

Section 1

# ILLUSTRATIONS AND PARTS LIST

## 1.7 COMPRESSOR COOLING AND LUBRICATION SYSTEM (WATER-COOLED, 12 SERIES 40 AND 50HP)



Section 1

## ILLUSTRATIONS AND PARTS LIST

---

### 1.7 COMPRESSOR COOLING AND LUBRICATION SYSTEM (WATER-COOLED, 12 SERIES 40 AND 50HP)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	elbow, tube—m 1" x 1"	810516—100	3
2	tube, 1"	250032—112	1
3	connector, tube 1"	810216—100	1
4	valve, fluid stop (I)	016741	1
5	elbow, tube—m ¼" x ¼"	810504—025	1
6	tube, ¼" (ft.)	841015—004	3
7	nipple, pipe xs 1" x close	822216—000	1
8	elbow, tube—m 5/16" x ¼"	810505—012	1
9	connector, tube 1¼" x 1¼"	810220—125	2
10	bushing, reducing 1¼" x 1"	802105—040	1
11	filter, fluid (II)	250025—522	1
12	connector, tube ¼"	810204—025	2
13	nipple, pipe 1½" x close	822224—000	3
14	elbow, reducing 1½" x 1¼"	801606—050	1
15	connector, tube—m 1½" x 1½"	810224—150	5
16	tube, 1½"	250018—400	1
17	plug, pipe ½"	807800—020	3
18	valve, globe ½"	041007	1
19	nipple, pipe ½" x 4"	822108—040	1
20	tee, reducing 1½" x ½" x 1½"	802206—026	2
21	tube, 1¼"	250018—246	1
22	elbow, tube—m 1½" x 1½"	810524—150	3
23	tube, 1½"	250018—401	1
24	bushing, reducing 2" x 1½"	802108—060	1
25	union, pipe ¾"	802515—030	1
26	separator/trap (III)	040847	1
27	coupling, reducing 2" x 1½"	801016—012	1
28	tube, 1½"	250018—252	1
29	bracket, air connector and condenser drain	250017—233	1
30	washer, springlock ½"	837508—125	8
31	capscrew, hex ½"—13 x 1½" gr5	828608—150	8

(continued on Page 17)

(I) For maintenance on fluid stop valve no. 016741, order repair kit no. 001684.

(II) For maintenance on fluid filter no. 250025—522, order repair kit no. 250025—526.

(III) For maintenance on separator/trap no. 040847, order separator kit no. 044374.

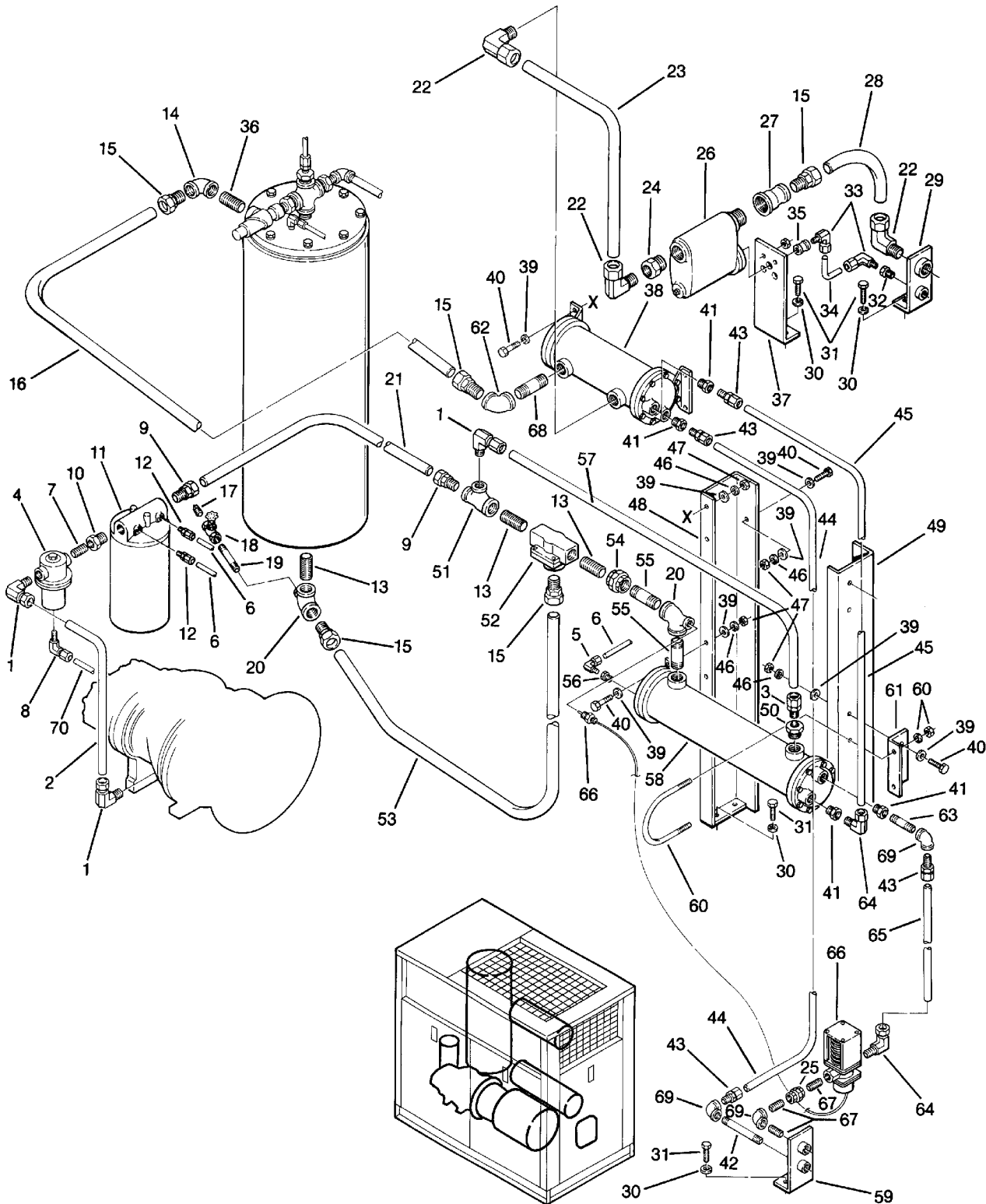
---

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

Section 1

# ILLUSTRATIONS AND PARTS LIST

## 1.7 COMPRESSOR COOLING AND LUBRICATION SYSTEM (WATER-COOLED, 12 SERIES, 40&50HP)



Section 1

# ILLUSTRATIONS AND PARTS LIST

---

## 1.7 COMPRESSOR COOLING AND LUBRICATION SYSTEM (WATER-COOLED, 12 SERIES, 40&50HP)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
32	bushing, reducing 3/4" x 1/2"	802103-020	1
33	connector, tube-el 1/2"mnpt x 3/8"t	813706-375	2
34	tubing, thermoplastic 3/8"od (ft.)	250024-746	1
35	coupling, pipe 1/2"	801215-020	1
36	nipple, 1 1/4" x close	822220-000	1
37	bracket, separator/trap	250018-378	1
38	aftercooler	250017-527	1
39	washer, regular 3/8"	838206-071	20
40	capscrew, 3/8" x 1 1/4"	828606-125	12
41	bushing, reducing hex 1" x 3/4"	802104-030	4
42	nipple, pipe 3/4" x 5" (40 and 50HP)	822112-050	1
43	connector, tube-m 3/4"	810212-075	4
44	tube, 3/4"	250018-407	1
45	tube, 3/4"	250018-403	1
46	washer, springlock regular 3/8"	837506-094	14
47	nut, hex 3/8" - 16	825006-337	14
48	support, starter box - right hand	250017-977	1
49	support, starter box - left hand	250017-978	1
50	bushing, reducing hex 1 1/2" x 1"	802106-040	1
51	tee, reducing 1 1/2" x 1 1/4" x 1 1/2"	802206-054	1
52	valve, thermal (IV)	014512	1
53	tube, 1 1/2"	250018-376	1
54	union, pipe 1 1/2"	802515-060	1
55	nipple, pipe 1 1/2" x 2 1/2"	822124-025	2
56	bushing, reducing 3/8" x 1/4"	807601-010	1
57	tube, 1"	250018-398	1
58	cooler, fluid	040680	1
59	bracket, water connector	250017-234	1
60	clamp, 5"	043364	1
61	bracket, cooler support	250019-027	1
62	elbow, pipe 1 1/2"	801515-060	1
63	nipple, pipe 3/4" x 2 1/2"	822112-025	1
64	elbow, tube-m 3/4" x 3/4"	810512-075	2
65	tube, 3/4"	250018-405	1
66	valve, water regulating 3/4"	047398	1
67	nipple, pipe 3/4" x close	822212-000	3
68	nipple, pipe 1 1/2" x 3"	822124-030	1
69	elbow, pipe 3/4"	801515-030	3
70	tube, 5/16" stainless steel (ft.)	841215-005	2.7

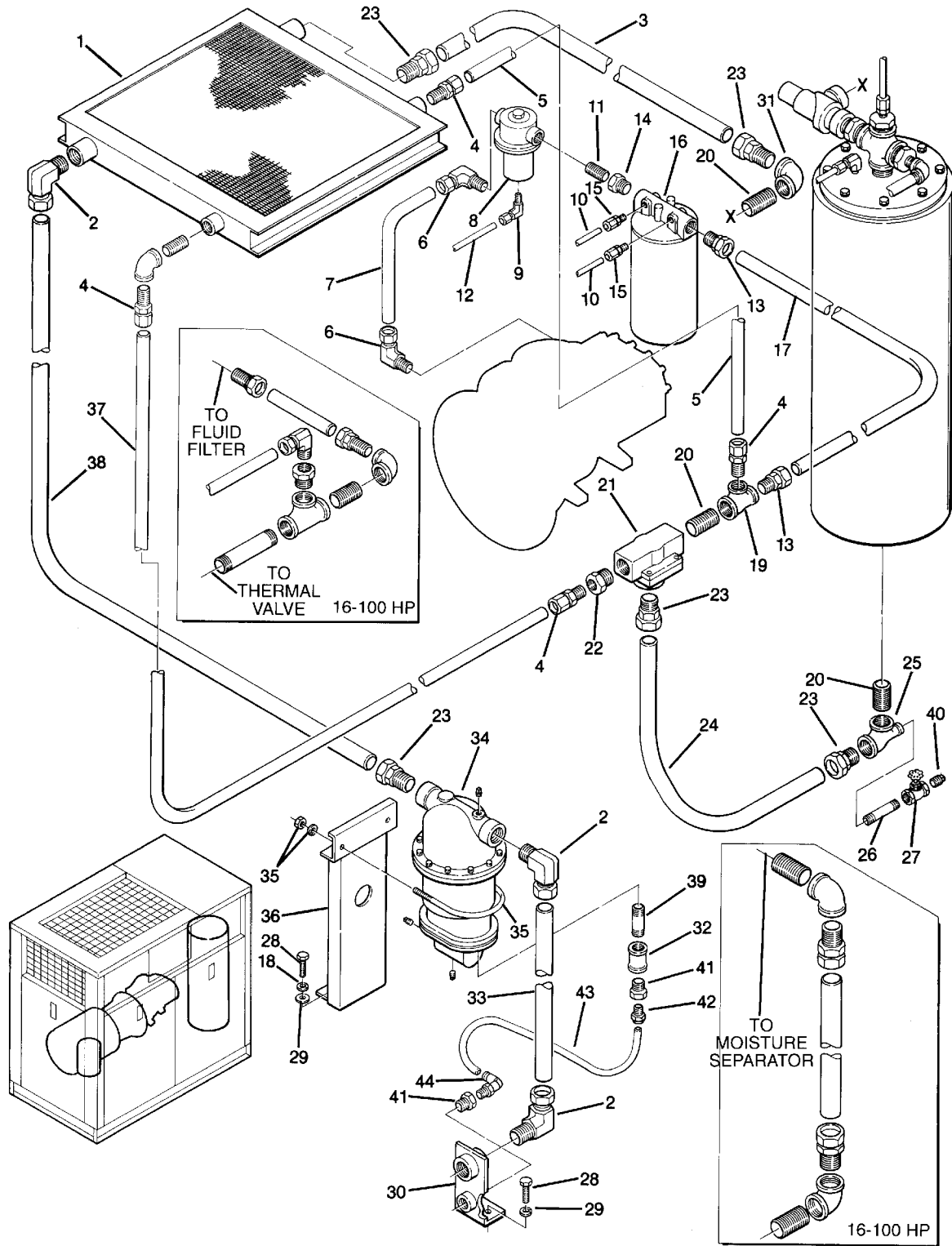
(IV) For maintenance on thermal valve no. 014512, order repair kit no. 001168.

---

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

# ILLUSTRATIONS AND PARTS LIST

## 1.8 COMPRESSOR COOLING AND LUBRICATION SYSTEM (AIR-COOLED, 12 SERIES, 60HP AND 16 SERIES, 60-100HP)



Section 1

## ILLUSTRATIONS AND PARTS LIST

---

### 1.8 COMPRESSOR COOLING AND LUBRICATION SYSTEM (AIR-COOLED, 12 SERIES, 60HP AND 16 SERIES, 60-100HP)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	cooler, fluid and aftercooler assembly	250038-658	1
2	elbow, tube-m 1 1/2" x 1 1/2"	810524-150	3
3	tube, 1 1/2"	250018-259	1
4	connector, tube-m 1" x 1"	810216-100	3
5	tube, 1"	250039-987	1
6	elbow, tube-m 1" x 1"	810516-100	3
7	tube, 1" (12 Series 60HP) • tube, 1" (16 Series (60/75HP)	250038-497 250032-112	1 1
8	valve, fluid stop (I)	016741	1
9	elbow, tube-m 5/16" x 1/4"	810505-025	1
10	tubing, 1/4" (ft.)	841015-004	10
11	nipple, pipe 1" x close	822216-000	3
12	tubing, 5/16" stainless steel (ft.)	841215-005	2.7
13	connector, tube-m 1 1/4" x 1 1/4"	810220-125	2
14	bushing, reducing 1 1/4" x 1"	802105-040	1
15	connector, tube-m 1/4"	810204-025	2
16	filter, fluid (II)	250025-522	1
17	tube, 1 1/4" (12 Series 60HP) • tube, 1 1/4" (16 Series (60/75HP)	250018-246 250018-255	1 1
18	washer, springlock 1/2"	837508-125	2
19	tee, reducing 1 1/2" x 1 1/4" x 1"	802206-054	1
20	nipple, pipe 1 1/2" x close	822224-000	2
21	valve, thermal (III)	014512	1
22	bushing, hex 1 1/2" x 1"	802106-040	1
23	connector, tube-m 1 1/2" x 1 1/2"	810224-150	5
24	tube, 1 1/2"	250018-376	1
25	tee, reducing 1 1/2" x 1/2" x 1 1/2"	802206-026	1
26	nipple, pipe 1/2" x 4"	822108-040	1
27	valve, globe 1/2"	041007	1
28	capscrew, hex 1/2" - 13 x 1 1/2"	828608-150	3
29	washer, pl-b regular unfinished 1/2"	837208-112	2
30	bracket, air connector and condenser drain	250017-233	1

(continued on Page 21)

(I) For maintenance on fluid stop valve no. 016741, order repair kit no. 001684.

(II) For maintenance on fluid filter no. 250025-522, order repair kit no. 250025-526.

(III) For maintenance on thermal valve no. 014512, order repair kit no. 001168.

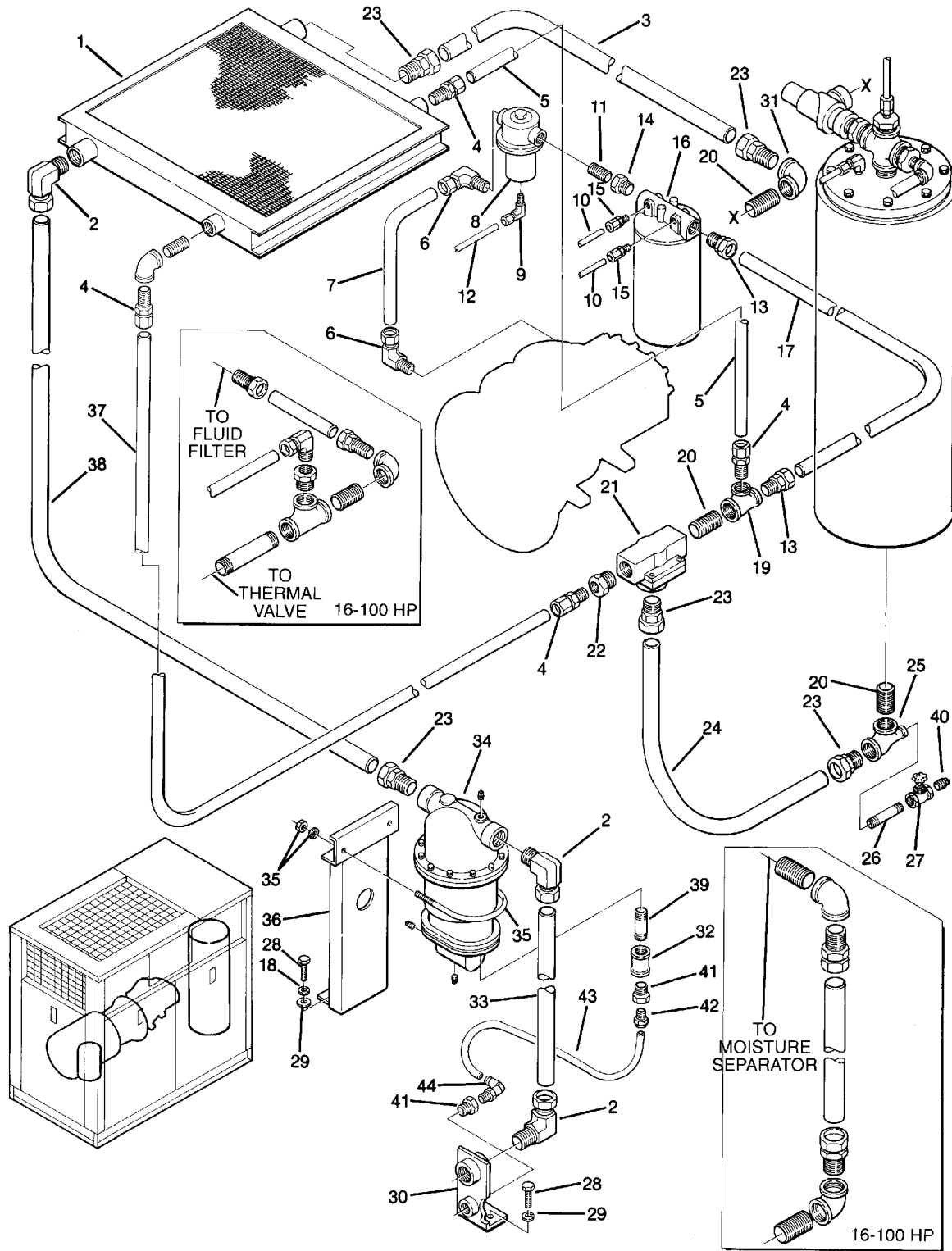
---

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

Section 1

# ILLUSTRATIONS AND PARTS LIST

## 1.8 COMPRESSOR COOLING AND LUBRICATION SYSTEM (AIR-COOLED, 12 SERIES, 60HP AND 16 SERIES, 60-100HP)



Section 1

## ILLUSTRATIONS AND PARTS LIST

---

### 1.8 COMPRESSOR COOLING AND LUBRICATION SYSTEM (AIR-COOLED, 12 SERIES, 60HP AND 16 SERIES, 60-100HP)

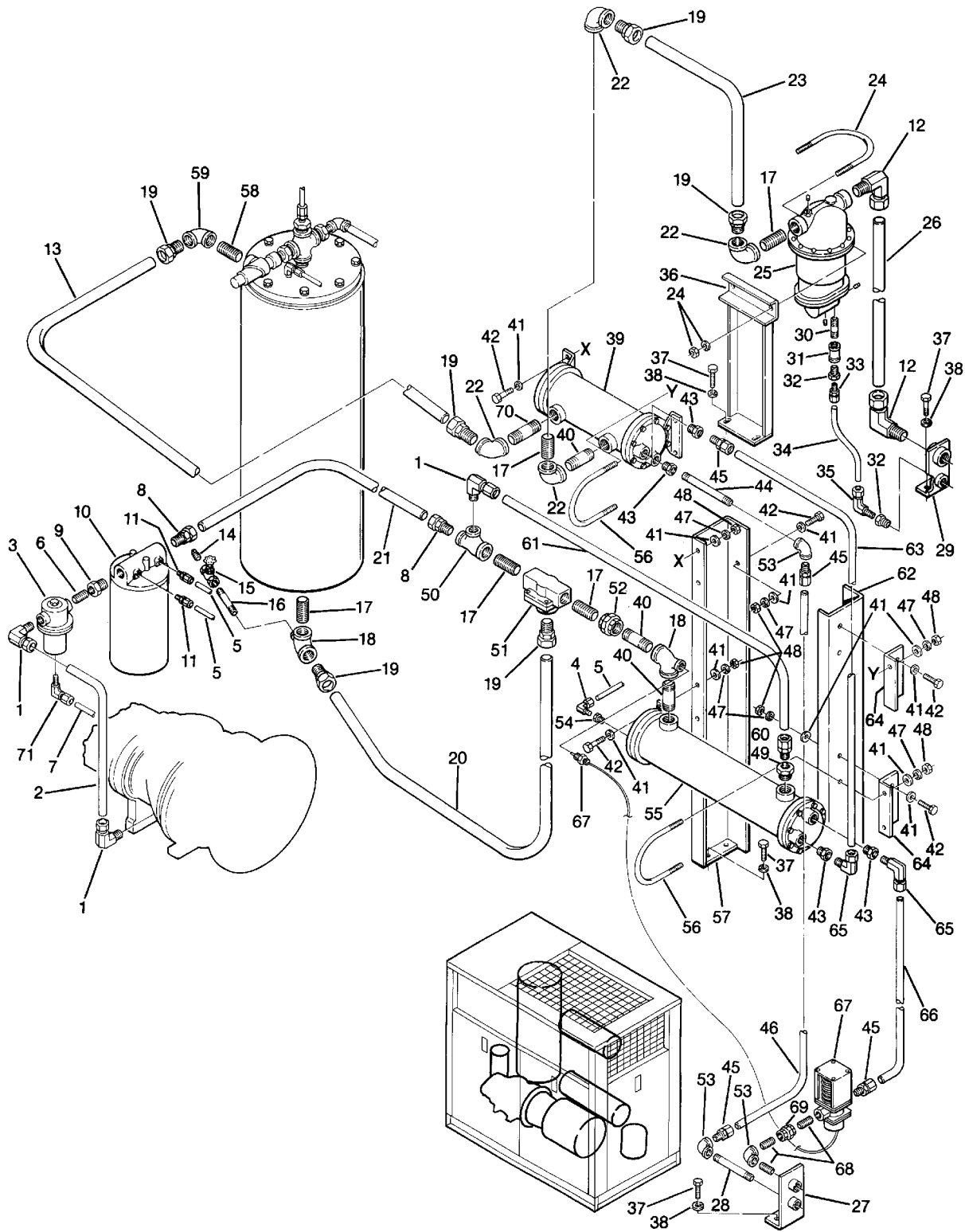
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
31	elbow, pipe 90° 1½"	801515-060	1
32	coupling, pipe ¾"	801215-030	1
33	tube, separator air connector 1½"	250018-260	1
34	separator, combination trap	250018-041	1
35	u-bolt, ½" x 5"	829008-500	1
36	support, moisture separator and trap	250018-160	1
37	tube, 1"	250018-254	1
38	tube, 1½"	250018-375	1
39	nipple, pipe ¾" x 2½"	822112-025	1
40	plug, pipe ½"	807800-020	1
41	bushing, reducing ¾" x ½"	802103-020	2
42	connector, tube straight ½"mnpt x ⅜"t reducing	813606-375	1
43	tubing, thermoplastic ⅜"od (ft.)	250024-746	1
44	connector, tube-el ½"mnpt x ⅜"t	813706-375	1

---

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

# ILLUSTRATIONS AND PARTS LIST

## 1.9 COMPRESSOR COOLING AND LUBRICATION SYSTEM (WATER-COOLED, 12 SERIES, 60HP AND 16 SERIES, 60-75HP)



Section 1

## ILLUSTRATIONS AND PARTS LIST

---

### 1.9 COMPRESSOR COOLING AND LUBRICATION SYSTEM (WATER-COOLED, 12 SERIES, 60HP AND 16 SERIES, 60-75HP)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	elbow, tube—m 1" x 1"	810516—100	3
2	tube, 1" (12 Series 60HP) • tube, 1" (16 Series 60/75HP)	250038—497 250032—112	1 1
3	valve, fluid stop (I)	016741	1
4	elbow, tube—m ¼" x ¼"	810504—025	1
5	tube, ¼" (ft.)	841015—004	10
6	nipple, pipe 1" x close	822216—000	1
7	elbow, reducing 1¼" x 1"		2.7
8	connector, tube—m 1¼" x 1¼"	810220—125	2
9	bushing, reducing 1¼" x 1"	802105—040	1
10	filter, fluid (II)	250025—522	1
11	connector, tube—m ¼"	810204—025	2
12	elbow, tube—m 1½" x 1½"	810524—150	2
13	tube, 1½"	250018—400	1
14	plug, pipe ½"	807800—020	3
15	valve, globe ½"	041007	1
16	nipple, pipe ½" x 4"	822108—040	1
17	nipple, pipe 1½" x close	822224—000	5
18	tee, reducing 1½" x ½" x 1½"	802206—026	2
19	connector, tube—m 1½" x 1½" (12 Series (60HP) •connector, tube—m 1½" x 1½" (16 Series 60/75HP)	810224—150 810224—150	5 6
20	tube, 1½"	250018—376	1
21	tube, 1¼" (12 Series 60HP) • tube, 1¼" (16 Series 60/75HP)	250018—246 250018—255	1 1
22	elbow, pipe 1½" (12 Series 60HP) • elbow, pipe 1½" (16 Series 60/75HP)	801515—060 801515—060	3 5
23	tube, 1½"	250018—375	1
24	u-bolt, ½" x 5" pipe	829008—500	1
25	separator, combination trap	250018—041	1
26	tube, 1½"	250018—260	1
27	bracket, water connector ¾" npt	250017—234	1
28	nipple, pipe ¾" x 7"	822112—070	1

(continued on Page 25)

(I) For maintenance on fluid stop valve no. 016741, order repair kit no. 001684.

(II) For maintenance on fluid filter no. 250025—522, order repair kit no. 250025—526.

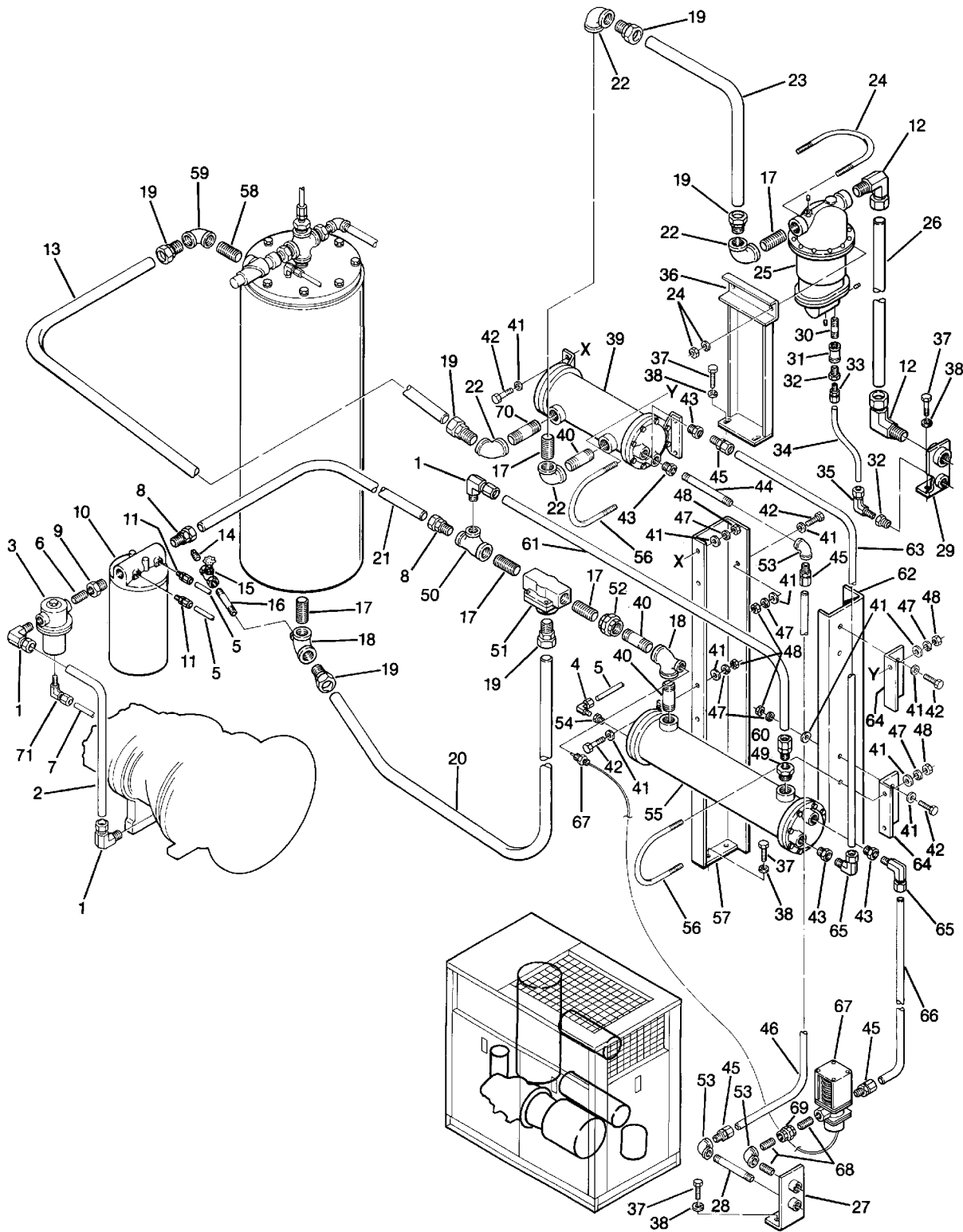
---

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

Section 1

# ILLUSTRATIONS AND PARTS LIST

## 1.9 COMPRESSOR COOLING AND LUBRICATION SYSTEM (WATER-COOLED, 12 SERIES, 60HP AND 16 SERIES, 60-75HP)



Section 1

## ILLUSTRATIONS AND PARTS LIST

---

### 1.9 COMPRESSOR COOLING AND LUBRICATION SYSTEM (WATER-COOLED, 12 SERIES, 60HP AND 16 SERIES, 60-75HP) (continued)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
29	bracket, air connector and condenser drain	250017-233	1
30	nipple, pipe 3/4" x 2 1/2"	822112-025	1
31	coupling, pipe 3/4"	801215-030	1
32	bushing, reducing 3/4" x 1/2"	802103-200	2
33	connector, tube straight 1/2" mnpt x 3/8"t reducing	250024-692	1
34	tubing, thermoplastic 3/8"od (ft.)	250024-746	1
35	connector, tube-el 1/2" mnpt x 3/8"t	813706-375	1
36	support, moisture separator and trap	250018-160	1
37	capscrew, 1/2" x 1 1/2" gr5	828608-150	8
38	washer, springlock regular 1/2"	837508-125	8
39	aftercooler	040680	1
40	nipple, pipe 1 1/2" x 2 1/2"	822124-025	3
41	washer, regular 3/8"	838206-071	22
42	capscrew, hex head 3/8"-16 x 1 1/4"	828606-125	16
43	bushing, reducing hex 1" x 3/4"	802104-030	4
44	nipple, pipe 3/4" x 6"	822112-060	1
45	connector, tube-m 3/4"	810212-075	2
46	tube, 3/4"	250018-408	1
47	washer, springlock regular 3/8"	837506-094	16
48	nut, hex 3/8"-16	825006-337	16
49	bushing, reducing hex 1 1/2" x 1"	802106-040	1
50	tee, reducing 1 1/2" x 1 1/4" x 1"	802206-054	1
51	valve, thermal (III)	014512	1
52	union, pipe 1 1/2"	802515-060	1
53	elbow, pipe 3/4"	801515-030	3
54	bushing, reducing 3/8" x 1/4"	807601-010	1
55	cooler, fluid	041015	1
56	clamp, 5"	043364	1
57	support, starter box - right hand	250017-977	1
58	nipple, pipe xs 1 1/4" x close	822220-000	1
59	elbow, reducing 1 1/2" x 1 1/4"	801606-050	1
60	connector, tube-m 1" x 1"	810216-100	1

(continued on Page 27)

(III) For maintenance on thermal valve no. 014512, order repair kit no. 001168.

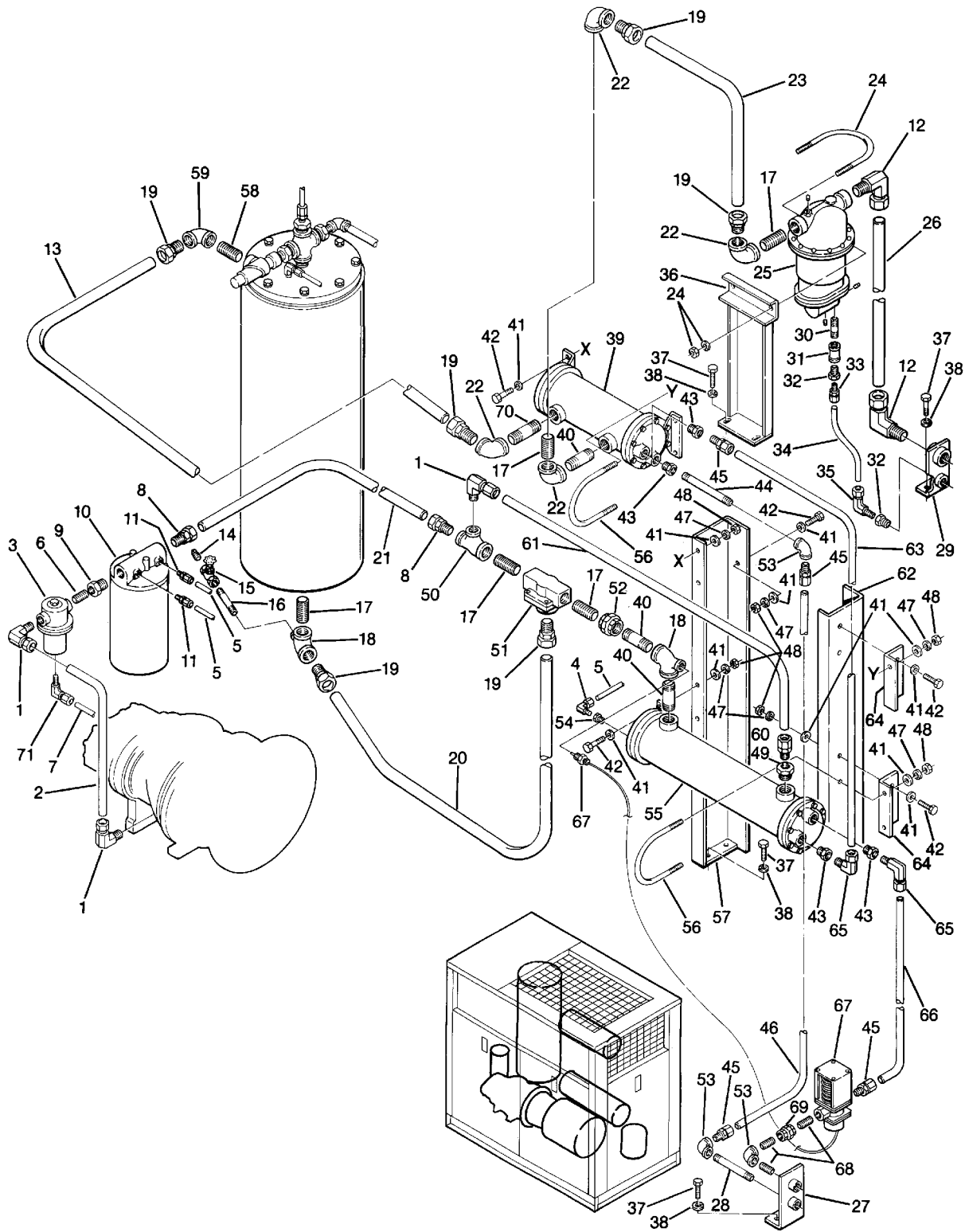
---

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

Section 1

# ILLUSTRATIONS AND PARTS LIST

## 1.9 COMPRESSOR COOLING AND LUBRICATION SYSTEM (WATER-COOLED, 12 SERIES, 60HP AND 16 SERIES, 60-75HP)



Section 1

## ILLUSTRATIONS AND PARTS LIST

---

**1.9 COMPRESSOR COOLING AND LUBRICATION SYSTEM (WATER-COOLED, 12 SERIES, 60HP AND 16 SERIES, 60-75HP) (continued)**

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
61	tube, 1"	250018-399	1
62	support, starter box – left hand	250017-978	1
63	tube, 3/4"	250018-404	1
64	bracket, cooler 6"	250019-027	2
65	elbow, tube-m 3/4" x 3/4"	810512-075	2
66	tube, 3/4"	250018-406	1
67	valve, water regulating 3/4"	047398	1
68	nipple, pipe 3/4" x close	822212-000	3
69	union, pipe 3/4"	802515-030	1
70	nipple, pipe 1 1/2" x 3"	822124-030	1
71	elbow, tube-m 5/16" x 1/4"	810505-025	1

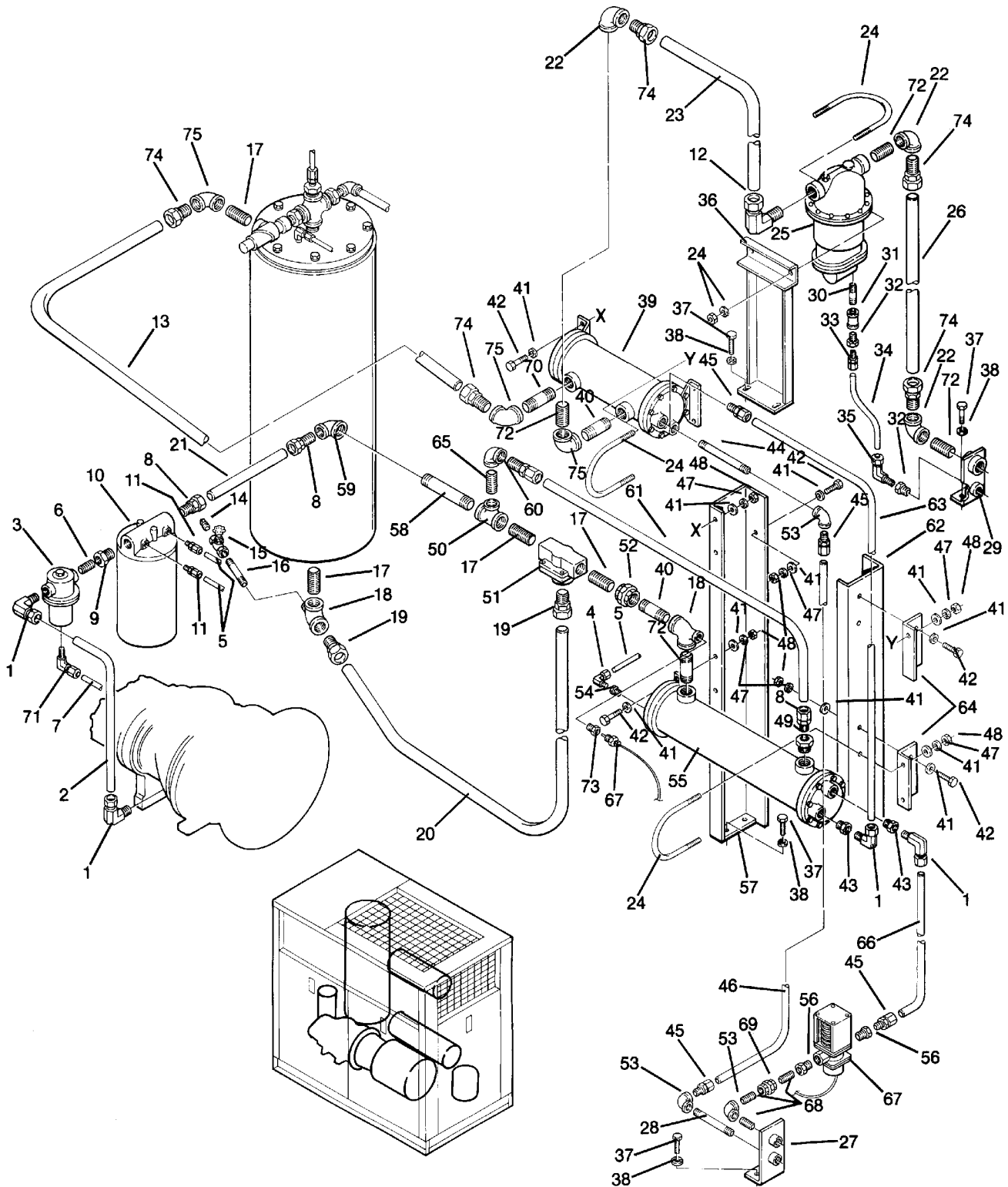
---

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

Section 1

# ILLUSTRATIONS AND PARTS LIST

## 1.10 COMPRESSOR COOLING AND LUBRICATION SYSTEM (WATER-COOLED, 16 SERIES, 100HP)



Section 1

## ILLUSTRATIONS AND PARTS LIST

---

### 1.10 COMPRESSOR COOLING AND LUBRICATION SYSTEM (WATER-COOLED, 16 SERIES, 100HP)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	elbow, tube—m 1" x 1"	810516—100	4
2	tube, 1"	02250046—592	1
3	valve, fluid stop (I)	016741	1
4	elbow, tube—m ¼" x ¼"	810504—025	1
5	tube, ¼"	841015—004	10 ft.
6	nipple, pipe 1" x close	822216—000	1
7	tube, 5/16" ss	841215—005	2.7 ft.
8	connector, tube—m 1¼" x 1¼"	810220—125	4
9	bushing, reducing 1¼" x 1"	802105—040	1
10	filter, fluid (II)	250025—522	1
11	connector, tube—m ¼"	810204—025	2
12	elbow, tube—m 2" x 2"	810532—200	1
13	tube, 2"	02250046—584	1
14	plug, pipe ½"	807800—020	3
15	valve, globe	041007	1
16	nipple, pipe ½" x 4"	822108—040	1
17	nipple, pipe 1½" x close	822224—000	4
18	tee, reducing 1½" x 1½" x 2"	802206—068	1
19	connector, tube—m 1½" x 1½"	810224—150	2
20	tube, 1½"	02250046—590	1
21	tube, 1¼"	02250045—595	1
22	elbow, pipe 2"	801515—080	3
23	tube, 2"	02250046—585	1
24	u-bolt, ½" x 6" pipe	829008—600	2
25	separator, combination trap	410143	1
26	tube, 2"	02250045—594	1
27	bracket, water connector 1" npt	02250046—573	1
28	nipple, pipe 1" x 7"	822116—070	1
29	bracket, air connector and condenser drain	02250045—613	1
30	nipple, pipe ¾" x 2½"	822112—025	1
31	coupling, pipe ¾"	801215—030	1

(continued on Page 31)

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

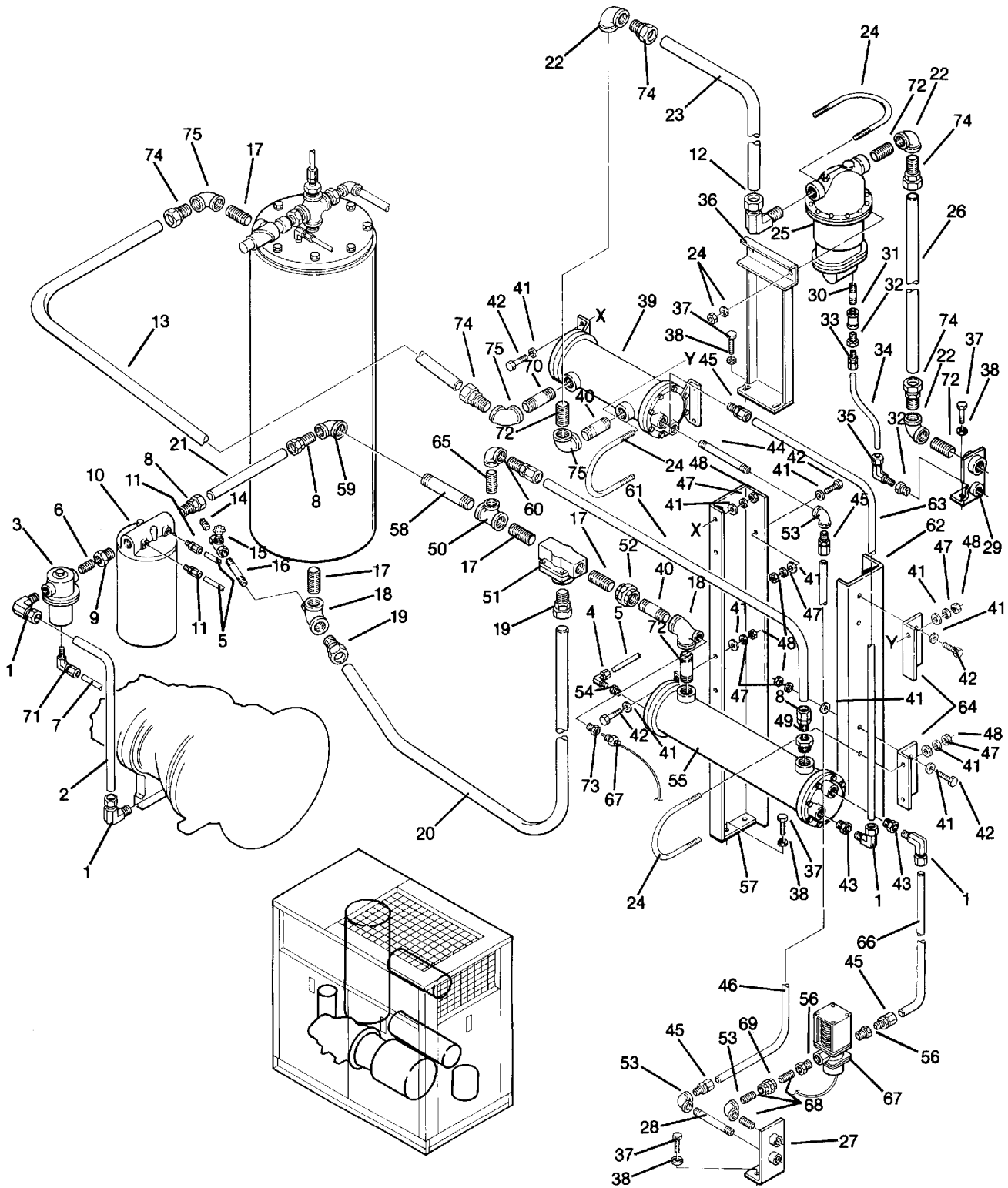
(II) For maintenance on minimum pressure/check valve no. 241581, order repair kit no. 250026—758.

---

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

# ILLUSTRATIONS AND PARTS LIST

## 1.10 COMPRESSOR COOLING AND LUBRICATION SYSTEM (WATER-COOLED, 16 SERIES, 100HP)



# ILLUSTRATIONS AND PARTS LIST

## 1.10 COMPRESSOR COOLING AND LUBRICATION SYSTEM (WATER-COOLED, 16 SERIES, 100HP) (Continued)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
32	bushing, reducing $\frac{3}{4}$ " x $\frac{1}{2}$ "	802103-200	2
33	connector, tube straight $\frac{1}{2}$ "mnpt x $\frac{3}{8}$ "t reducing	250024-692	1
34	tubing, thermoplastic $\frac{3}{8}$ "od	250024-746	1 ft.
35	connector, tube-el $\frac{1}{2}$ " mnpt x $\frac{3}{8}$ "t	813706-375	1
36	support, moisture separator and trap	250018-160	1
37	capscrew, $\frac{1}{2}$ " x $1\frac{1}{2}$ " gr5	828608-150	8
38	washer, springlock regular $\frac{1}{2}$ "	837508-125	8
39	aftercooler	040680	1
40	nipple, pipe $1\frac{1}{2}$ " x $2\frac{1}{2}$ "	822124-025	2
41	washer, regular $\frac{3}{8}$ "	838206-071	22
42	capscrew, hex head $\frac{3}{8}$ "-16 x $1\frac{1}{4}$ "	828606-125	16
43	bushing, reducing hex $1\frac{1}{2}$ " x 1"	802106-040	2
44	nipple, pipe 1" x $6\frac{1}{2}$ "	822116-065	1
45	connector, tube-m 1" x 1"	810216-100	4
46	tube, 1"	02250046-581	1
47	washer, springlock regular $\frac{3}{8}$ "	837506-094	16
48	nut, hex $\frac{3}{8}$ "-16	825006-337	16
49	bushing, reducing hex 2" x $1\frac{1}{4}$ "	802108-050	1
50	tee, reducing $1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $1\frac{1}{4}$ "	802206-065	1
51	valve, thermal (III)	014512	1
52	union, pipe $1\frac{1}{2}$ "	802515-060	1
53	elbow, pipe 1"	801515-040	3
54	bushing, reducing $\frac{3}{8}$ " x $\frac{1}{4}$ "	807601-010	1
55	cooler, fluid	250018-411	1
56	bushing, reducing hex $1\frac{1}{4}$ " x 1"	802105-040	2
57	support, starter box - right hand	02250046-739	1
58	nipple, pipe $1\frac{1}{2}$ " x 6"	822124-060	1
59	elbow, reducing $1\frac{1}{2}$ " x $1\frac{1}{4}$ "	801606-050	1
60	elbow, pipe $1\frac{1}{4}$ "	801515-050	1
61	tube, $1\frac{1}{4}$ "	02250046-583	1
62	support, starter box - left hand	02250046-741	1
63	tube, 1"	02250046-582	1
64	bracket, cooler 6"	250019-027	2
65	nipple, pipe $1\frac{1}{4}$ " x 3"	822120-030	1
66	tube, 1"	02250046-581	1

(continued on Page 33)

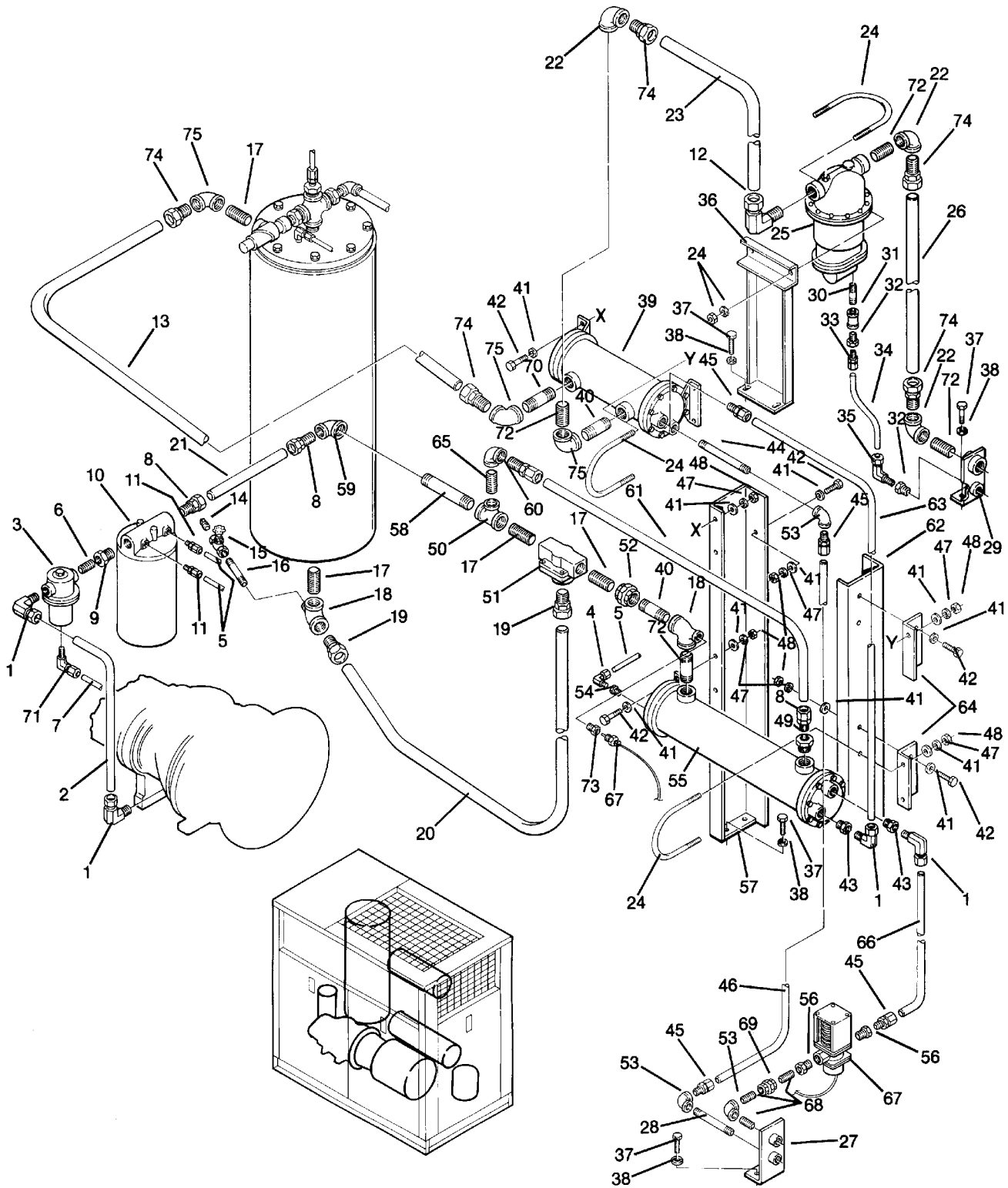
(III) For maintenance on thermal valve no. 014512, order repair kit no. 001168.

---

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

# ILLUSTRATIONS AND PARTS LIST

## 1.10 COMPRESSOR COOLING AND LUBRICATION SYSTEM (WATER-COOLED, 16 SERIES, 100HP)



Section 1

## ILLUSTRATIONS AND PARTS LIST

---

**1.10 COMPRESSOR COOLING AND LUBRICATION SYSTEM (WATER-COOLED, 16 SERIES, 100HP)**  
**(Continued)**

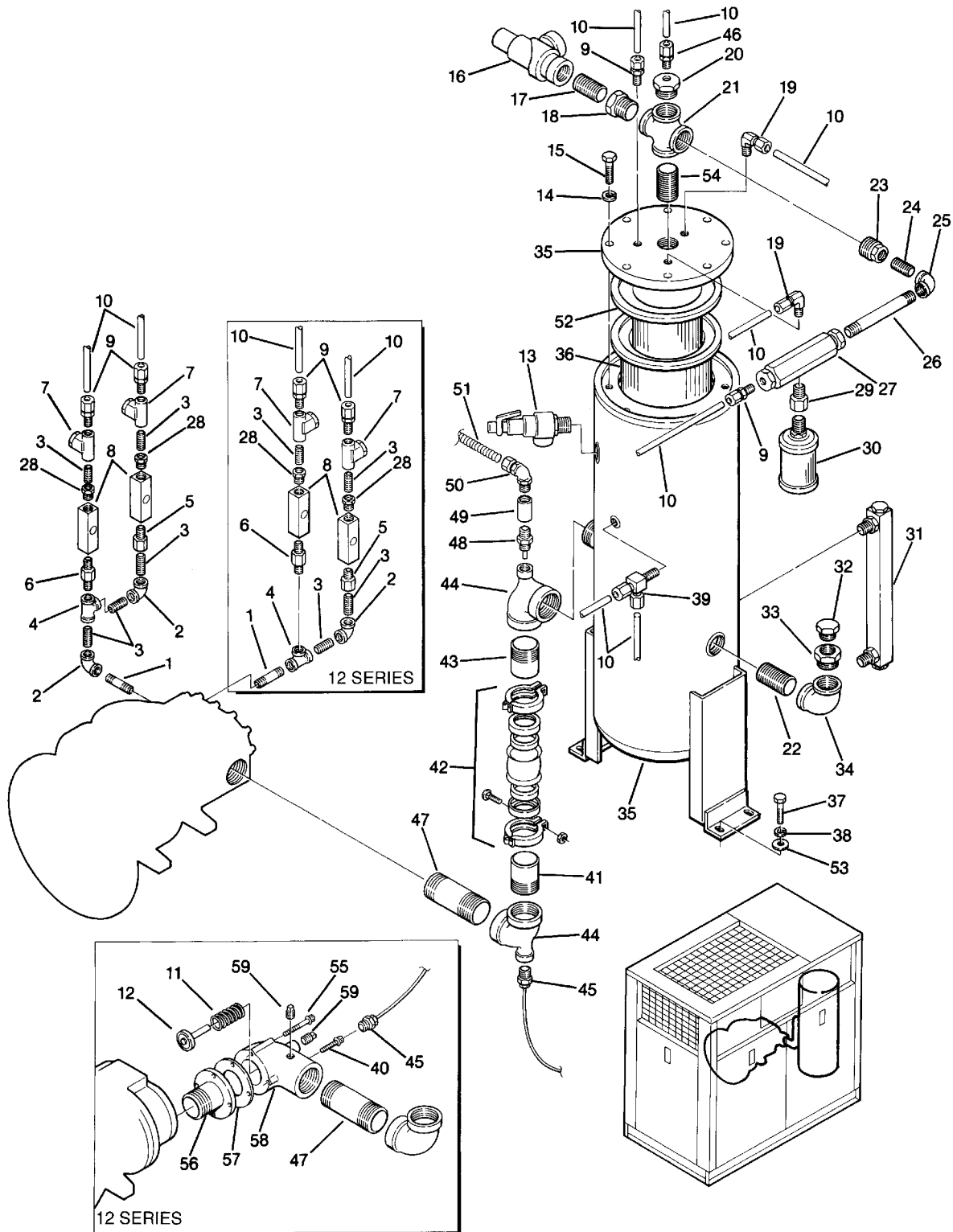
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
67	valve, water regulating 1 1/4"	049474	1
68	nipple, pipe 1" x close	822216-000	3
69	union, pipe 1"	802515-040	1
70	nipple, pipe 1 1/2" x 5"	822124-050	1
71	elbow, tube-m 5/16" x 1/4"	810505-025	1
72	nipple, pipe xs 2" x close	822232-000	4
73	bushing, reducing hex 1 1/2" x 1/2"	802106-020	1
74	connector, tube-m 2" x 2"	810232-200	5
75	elbow, reducing 2" x 1 1/2"	801608-060	3

---

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

# ILLUSTRATIONS AND PARTS LIST

## 1.11 COMPRESSOR DISCHARGE SYSTEM (12 AND 16 SERIES)



Section 1

# ILLUSTRATIONS AND PARTS LIST

---

## 1.11 COMPRESSOR DISCHARGE SYSTEM (12 AND 16 SERIES)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	nipple, pipe ¼" x 2" (12 Series) • nipple, pipe ¼" x 1½" (16 Series)	823104-020 823104-015	1 1
2	elbow, pipe 90° ¼"	801515-010	2
3	nipple, pipe xs ¼" x close	823204-000	5
4	tee, pipe galvanized ¼"	804415-010	1
5	orifice, secondary ½"	040381	1
6	orifice, primary ⅜"	022033	1
7	strainer, v-type (I)	241771	2
8	glass, sight	046559	2
9	connector, tube ¼" x ¼"	810204-025	3
10	tube, ¼" (ft.)	841015-004	10.5
11	spring, discharge valve	233615	1
12	disc, discharge valve	013549	1
13	valve, relief 175 PSIG (1206kPa)	248344	1
14	washer, springlock regular ⅝"	837510-156	8
15	capscrew, hex ⅝" - 11 x 2" gr8	828210-200	8
16	valve, minimum pressure/check (12 Series) (II) valve, minimum pressure/check (16 Series) (III)	241581 250016-618	1 1
17	nipple, pipe xs 1¼" x close (12 Series) • nipple pipe xs 1½" x close (16 Series)	822220-000 822224-000	1 1
18	bushing, reducing hex 1½"x1¼" (12 Series only)	802106-050	1
19	elbow, tube-m ¼"	810504-025	3
20	bushing, reducing hex 1½" x ¼"	802106-010	1
21	cross, pipe 1½"	801315-060	1
22	nipple, pipe 1½" x close	822224-000	1
23	bushing, reducing hex 1½" x ½"	802106-020	1
24	nipple, pipe ½" x close	822208-000	1
25	elbow, pipe 90° ½"	801515-020	2
26	nipple, pipe ½" x 7"	822108-070	1

(continued on Page 37)

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

(II) For maintenance on minimum pressure/check valve no. 241581, order repair kit no. 250026-758.

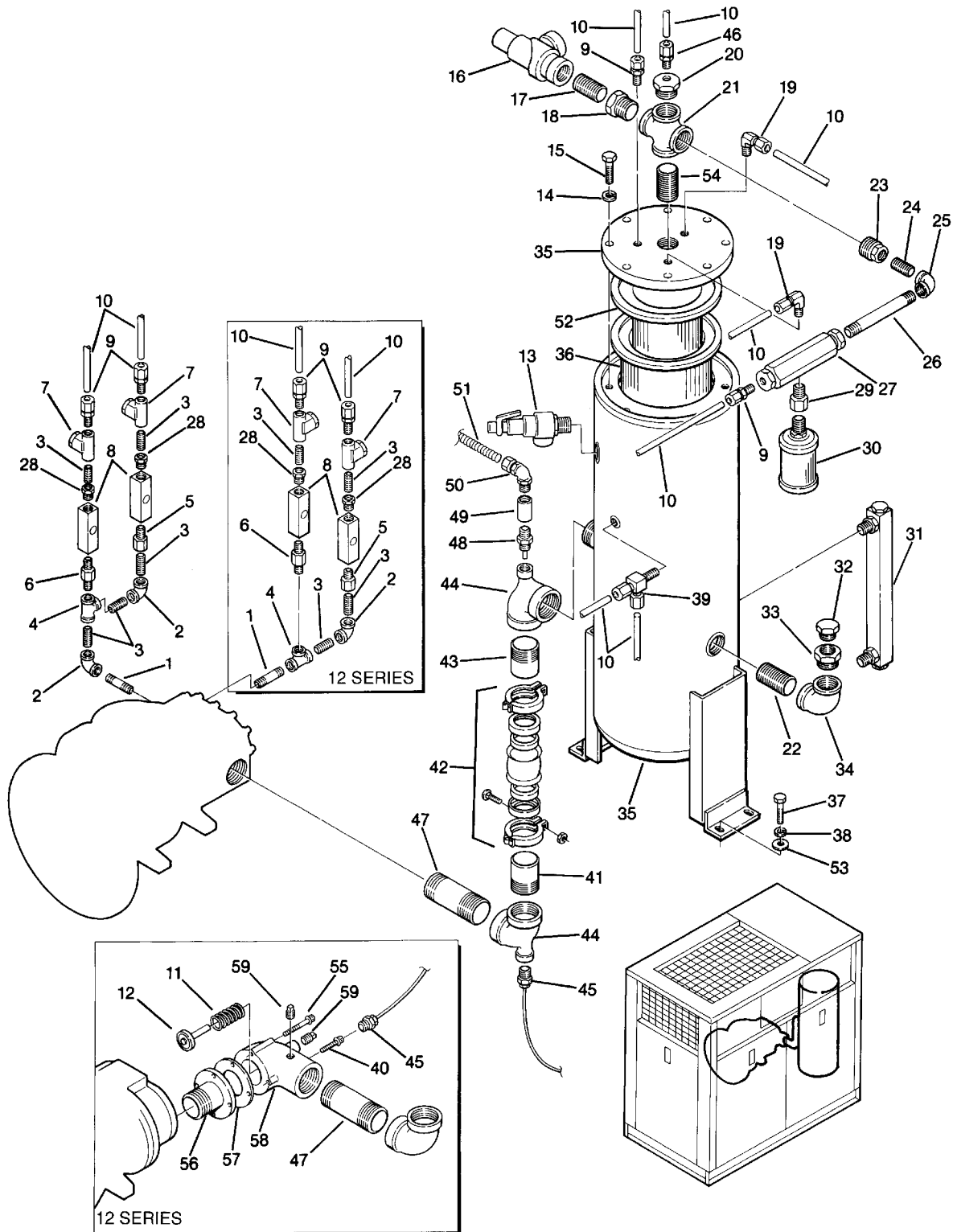
(III) For maintenance on minimum pressure/check valve no. 250016-618, order repair kit no. 250019-444.

---

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

# ILLUSTRATIONS AND PARTS LIST

## 1.11 COMPRESSOR DISCHARGE SYSTEM (12 AND 16 SERIES)



Section 1

# ILLUSTRATIONS AND PARTS LIST

---

## 1.11 COMPRESSOR DISCHARGE SYSTEM (12 AND 16 SERIES) (continued)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
27	valve, blowdown ¼" npt (IV)	250030-216	1
28	bushing, reducing ½" x ¼"	802102-010	2
29	orifice, ½"m x ½"f x .156	234125-156	1
30	silencer, air ½"	041006	1
31	gauge, fluid level without ball check	046558	1
32	plug, o-ring boss sae 1¼"	040029	1
33	adapter, filler	020044	1
34	elbow, pipe 1½"	801515-060	1
35	tank, receiver separator	250015-284	1
36	element, separator (primary) (V)	250034-115	1
37	capscrew, hex ½"-13 x 1½"	828608-150	4
38	washer, springlock regular ½"	837508-125	4
39	tee, tube-m ¼" x ¼"	810904-025	1
40	capscrew, ferry ⅜"-16 x 1"	828406-100	1
41	nipple, half 2½" x 3"	822840-030	1
42	coupling, Flexmaster 2½" (STD) (VI) • coupling, Flexmaster 2½" (KT) (VII)	040648 250007-563	1 1
43	nipple, half 2½" x 4"	822840-040	1
44	tee, reducing 2½" x ½" x 2½" (12 Series) • tee, reducing 2½" x ½" x 2½" (16 Series)	802210-020 802210-020	2 2
45	gauge, temperature 2"	042582	1
46	connector, flex ¼"t x ¼"p	020169	1
47	nipple, pipe 2½" x 6" (12 Series) • nipple, pipe 2½" x 5½" (16 Series)	822140-060 822140-055	1 1
48	switch, temperature 240°F nc	040588	1
49	coupling, conduit rigid ½"	250007-179	1
50	elbow, 90° lg-tite ½"	846600-050	1
51	conduit, csa flex ½" (ft.)	846315-050	2
52	element, separator (secondary)	408167-011	1
53	washer, pl-b regular unfinished ½"	837208-112	4
54	nipple, pipe 1½" x 3"	822124-030	1

(continued on Page 39)

(IV) For maintenance on blowdown valve no. 250030-216, order repair kit no. 02250045-132.

(V) For maintenance primary separator element no. 250034-115, order repair kit no. 250034-116.

(VI) For maintenance on Flexmaster coupling no. 040648, order repair kit no. 040649 (2 required).

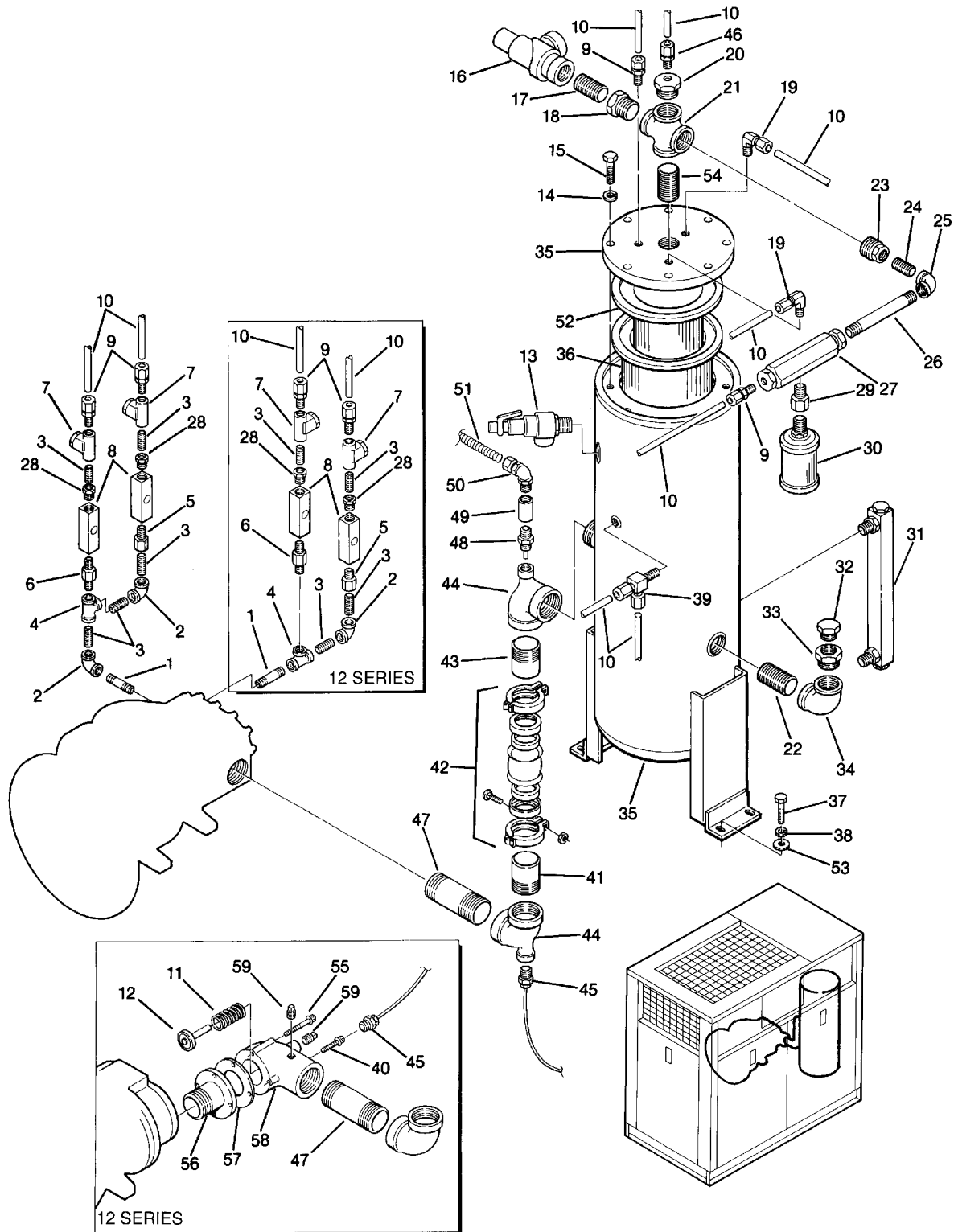
(VII) For maintenance on Flexmaster coupling no. 250007-563, order repair kit no. 250007-564 (2 required).

---

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

# ILLUSTRATIONS AND PARTS LIST

## 1.11 COMPRESSOR DISCHARGE SYSTEM (12 AND 16 SERIES)



Section 1

# ILLUSTRATIONS AND PARTS LIST

---

## 1.11 COMPRESSOR DISCHARGE SYSTEM (12 AND 16 SERIES) (continued)

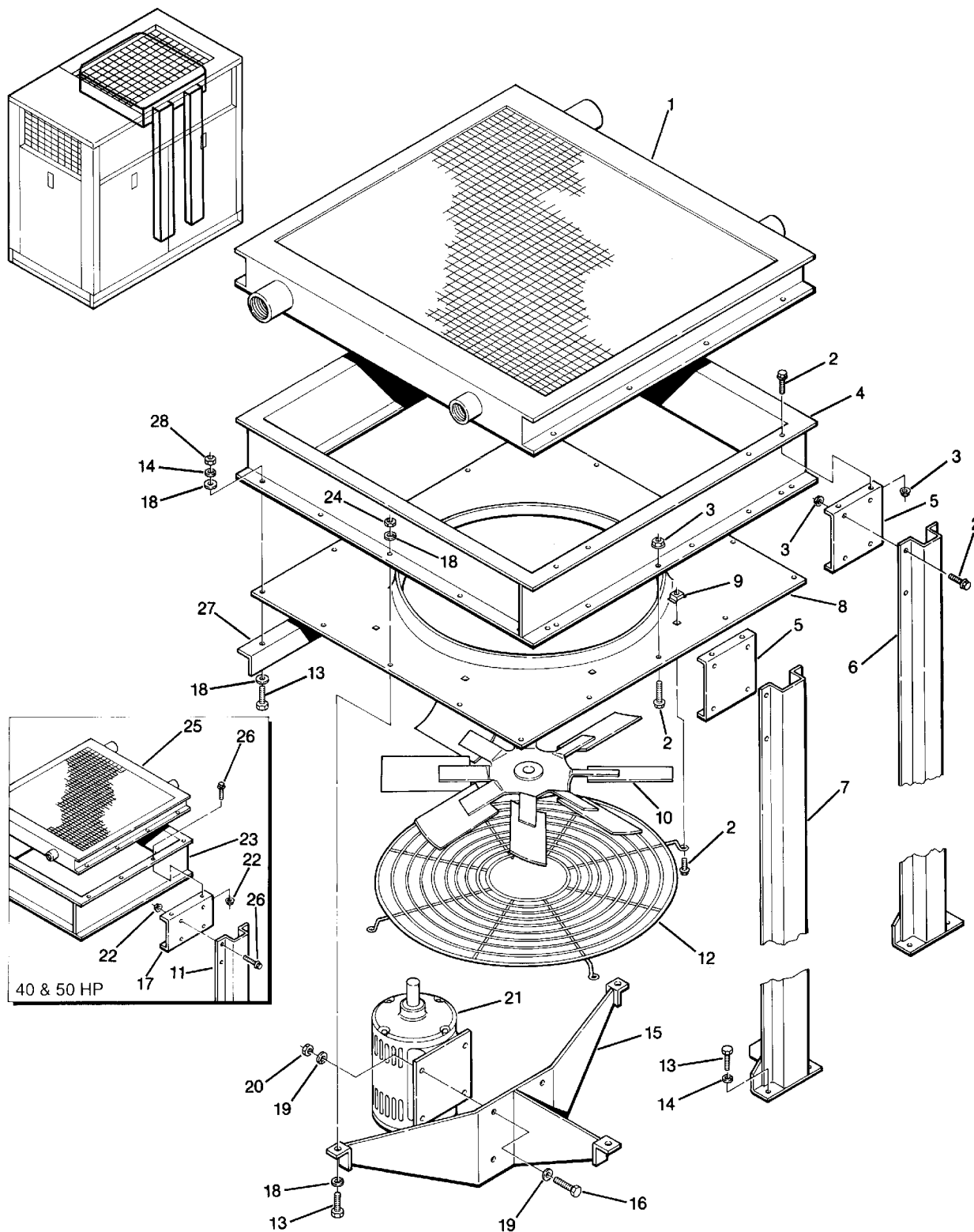
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
55	capscrew, ferry $\frac{3}{8}$ " – 16 x $3\frac{1}{4}$ "	828406–325	3
56	adapter, discharge (12 Series only)	012883	1
57	gasket, discharge valve (12 Series only)	040541	1
58	body, discharge valve assembly (12 Series only)	013605	1
59	plug, pipe $\frac{1}{2}$ "	807800–020	2

---

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

# Section 1 ILLUSTRATIONS AND PARTS LIST

## 1.12 AIR-COOLED COOLING ASSEMBLY (12 AND 16 SERIES)



Section 1

# ILLUSTRATIONS AND PARTS LIST

---

## 1.12 AIR-COOLED COOLING ASSEMBLY (12 AND 16 SERIES)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	cooler, fluid aftercooler assembly	250015-524	1
2	screw, hex serrated washer (60 and 75HP)	829705-075	42
3	nut, hex flanged plated washer $\frac{5}{16}$ "-18 (60 and 70HP)	825305-283	24
4	adapter, venturi (60 and 75HP)	250017-270	1
5	bracket, cooler support (60 and 75HP)	250018-002	2
6	support, cooler $5\frac{1}{4}$ "	250017-631	1
7	support, cooler $5\frac{1}{4}$ "	250017-630	1
8	panel, venturi (40 and 50HP) • panel venturi (60 and 75HP)	250017-494 250017-495	1 1
9	nut, retainer $\frac{5}{16}$ "-18	861405-092	4
10	fan, 22" (12 Series only) • fan, 24" (16 Series only)	241390 049971	1 1
11	support, cooler $5\frac{1}{4}$ "	250017-630	1
12	guard, fan 24" (12 Series only) • guard, fan 26" (16 Series only)	241501 241079	1 1
13	capscrew, hex $\frac{3}{8}$ " x $1\frac{1}{4}$ " gr5 (40 and 50HP) • capscrew, hex $\frac{3}{8}$ " x $1\frac{1}{4}$ " gr5 (60 and 75HP)	828606-125 828606-125	9 12
14	washer, springlock regular $\frac{3}{8}$ " (60 and 75HP) • washer, springlock regular (40 and 50HP)	837506-094 837506-094	9 7
15	support, fan motor (12 Series) • support, fan motor (16 Series)	250017-499 250017-502	1 1
16	capscrew, hex $\frac{5}{16}$ "-18 x 1" gr5 (40 and 50HP) • capscrew, hex $\frac{3}{8}$ "-16 x 1" gr5 (60 and 75HP)	828605-100 828606-100	4 4
17	bracket, cooler support (40 and 50HP)	250018-114	1
18	washer, pl-b regular $\frac{3}{8}$ " (60 and 75HP) • washer, pl-b regular $\frac{3}{8}$ " (40 and 50HP)	838206-071 838206-071	12 10
19	washer, pl-b regular $\frac{5}{16}$ "	837205-071	8
20	nut, hex locking plated $\frac{5}{16}$ "-18	825505-166	4
21	motor, 2HP (12 Series only) • motor, 3HP (16 Series only)	050557 050560	1 1
22	nut, hex flanged plated $\frac{5}{16}$ "-18	825305-283	17
23	adapter, venturi (12 only)	250017-271	1
24	nut, hex locking plated $\frac{3}{8}$ "-16	825506-198	6
25	cooler, fluid aftercooler assembly (12 Series only)	250015-525	1
26	screw, hex serrated washer $\frac{5}{16}$ " x $\frac{3}{4}$ "	829705-075	30
27	angle, cooler support (40 and 50HP) • angle, cooler support (60 and 75HP)	250018-121 250017-996	1 1
28	nut hex $\frac{3}{8}$ "-16	824206-337	8

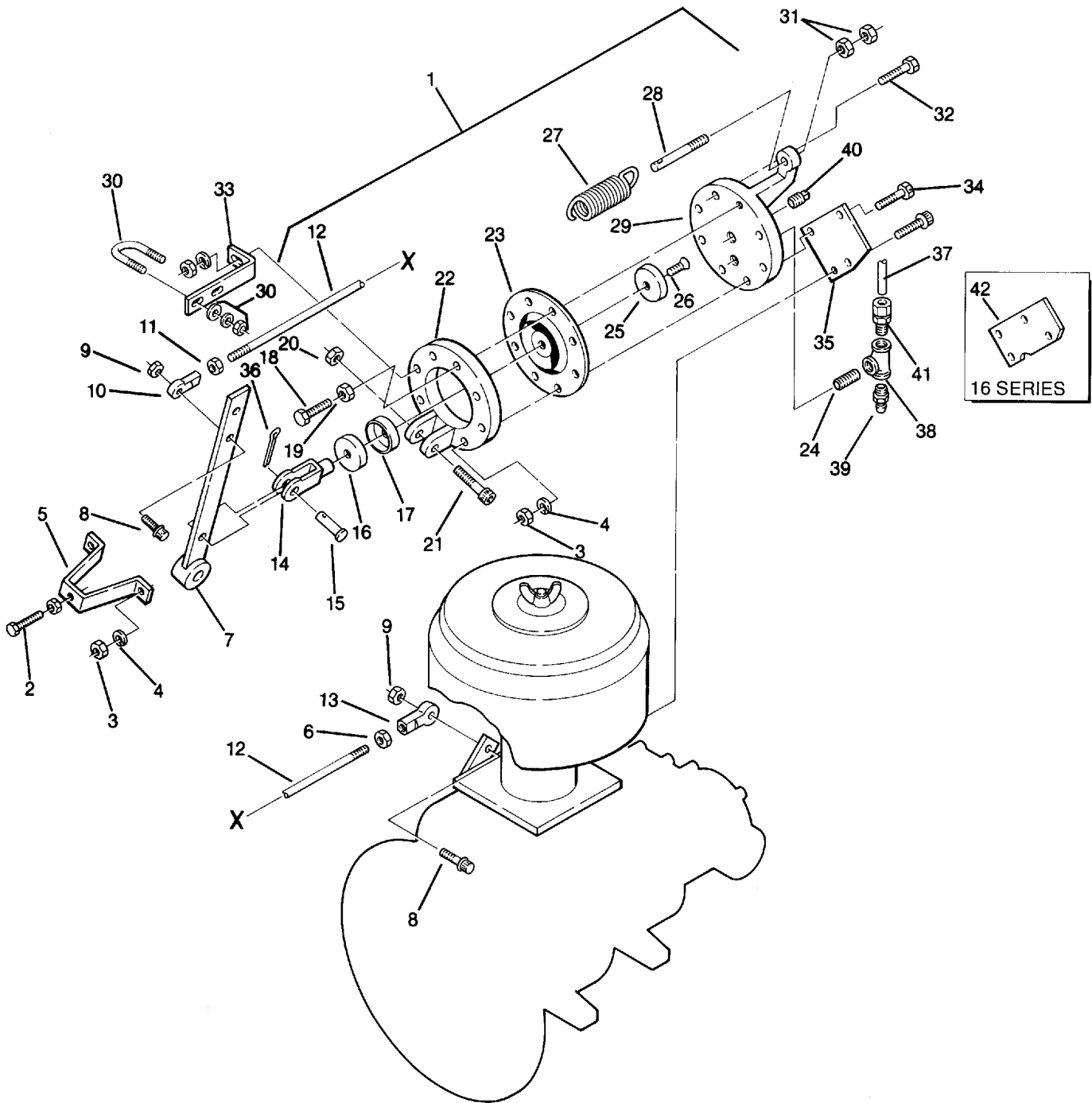
---

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

Section 1

# ILLUSTRATIONS AND PARTS LIST

## 1.13 CAPACITY CONTROL SYSTEM (12 AND 16 SERIES)



Section 1

# ILLUSTRATIONS AND PARTS LIST

---

## 1.13 CAPACITY CONTROL SYSTEM (12 AND 16 SERIES)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	control, Sullicon (12 Series) (I)	250026-010	1
	• control, Sullicon (12 Series) (I)	250026-011	1
2	capscrew, hex $\frac{3}{8}$ " - 16 x 2" gr5	828606-200	1
3	nut, hex $\frac{3}{8}$ " - 16	824206-337	7
4	washer, springlock regular $\frac{3}{8}$ "	837506-094	4
5	bracket, cont. stop	020864	1
6	nut, hex jam - left hand $\frac{5}{16}$ "	824705-195	1
7	lever, control	011084	1
8	capscrew, ferry head $\frac{5}{16}$ " x 1 $\frac{1}{2}$ "	828405-150	1
9	nut, hex $\frac{5}{16}$ " - 18	824205-273	3
10	rod end, spherical $\frac{5}{16}$ " - right hand	040136	1
11	nut, hex jam unfinished $\frac{5}{16}$ " - 24 - right hand	824605-195	1
12	rod end (12 Series)	250002-552	1
	• rod end (16 Series)	020685	1
13	rod end, spherical $\frac{5}{16}$ " - left hand	042004	1
14	yoke, rod end $\frac{1}{4}$ " - 28	040138	1
15	pin, yoke $\frac{1}{4}$ "	040065	1
16	plunger	020094	1
17	seal, cup	042538	1
18	screw, machine hex head $\frac{5}{16}$ " - 24 x 2"	831105-200	1
19	nut, hex jam unfinished $\frac{5}{16}$ " - 24 - right hand	824605-195	1
20	nut, hex locking plated $\frac{3}{8}$ " - 16	825506-166	1
21	screw, machine shoulder $\frac{3}{8}$ " x 2"	830506-200	1
22	body, control	021635	1
23	diaphragm, Sullicon	250020-028	1
24	nipple, galvanized $\frac{1}{4}$ " x 1 $\frac{1}{2}$ " (12 Series only)	823204-015	1
	• nipple, galvanized $\frac{1}{4}$ " x close xs (16 Series only)	823204-000	1
25	washer, backup	021172	1
26	screw, sealing $\frac{1}{4}$ " - 28 x $\frac{3}{4}$ " nf	041264	1
27	spring, control light	250006-526	1
28	bolt, adjusting Sullicon spring	250009-134	1
29	cover, control	021654	1
30	u-bolt, $\frac{1}{2}$ " x $\frac{3}{4}$ " pipe	829004-075	1
31	nut, hex unfinished $\frac{3}{8}$ " - 16	824206-337	2

(continued on Page 45)

(I) For maintenance on Sullicon Control no.'s 250026-010 and 250026-011, order repair kit no. 250020-353.

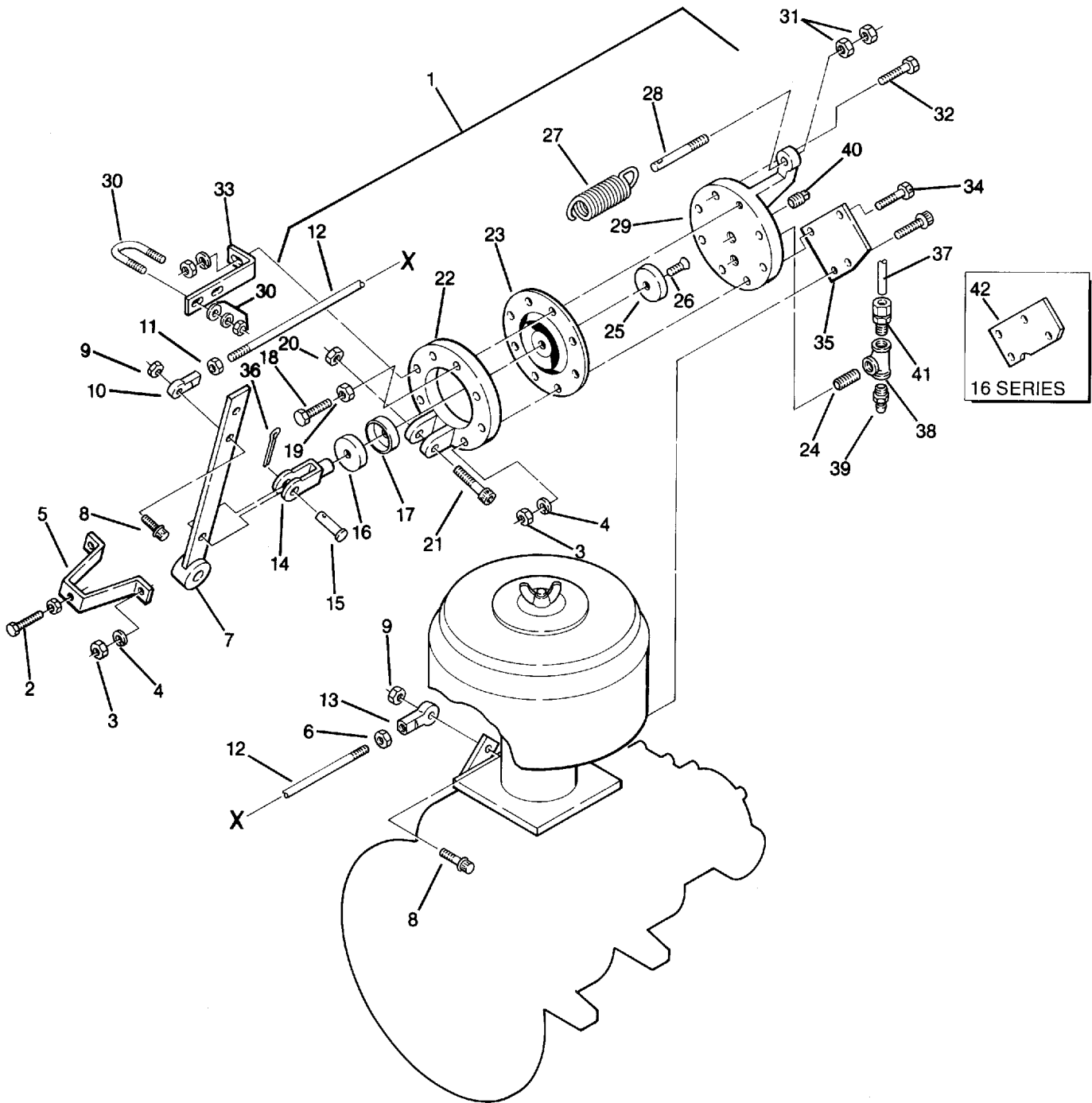
---

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

Section 1

# ILLUSTRATIONS AND PARTS LIST

## 1.13 CAPACITY CONTROL SYSTEM (12 AND 16 SERIES)



Section 1

# ILLUSTRATIONS AND PARTS LIST

---

## 1.13 CAPACITY CONTROL SYSTEM (12 AND 16 SERIES) (continued)

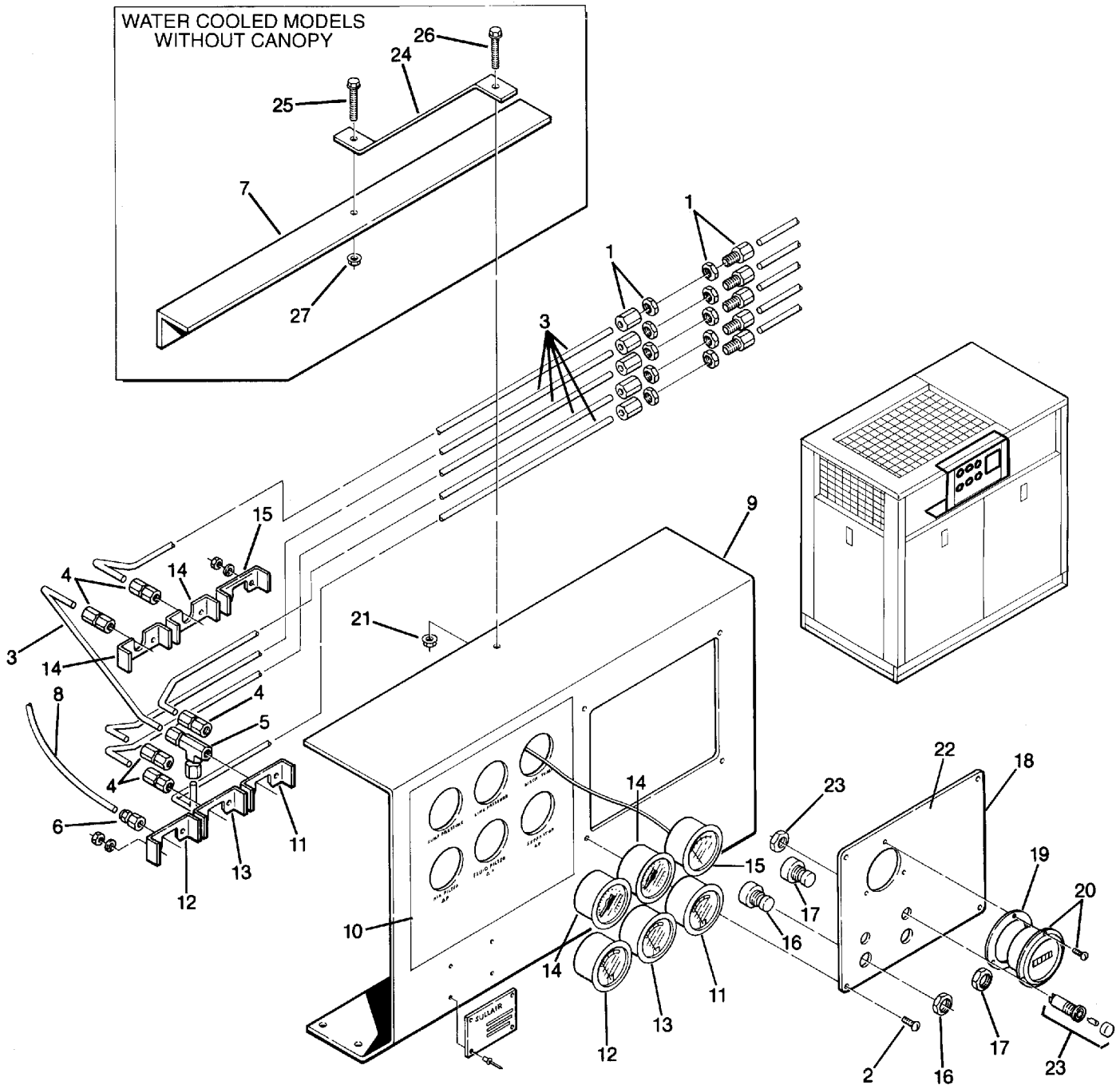
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
32	capscrew, hex $\frac{5}{16}$ " – 18 x $2\frac{1}{2}$ " gr5	828605–250	2
33	bracket, (12 Series only) • bracket, (16 Series only)	250039–115 250039–114	1 1
34	capscrew, hex $\frac{3}{8}$ " – 16 x $2\frac{1}{2}$ " gr5	828606–250	3
35	bracket, control (12 Series only)	223681	1
36	pin, cotter $\frac{1}{16}$ " x $\frac{3}{4}$ "	827101–075	1
37	tubing, $\frac{1}{4}$ " (ft.)	841015–004	12
38	tee, pipe galvanized $\frac{1}{4}$ "	804415–010	1
39	valve, drain self–close $\frac{1}{8}$ " npt	041111	1
40	plug, pipe $\frac{1}{4}$ "	807800–010	1
41	connector, tube–m $\frac{1}{4}$ " x $\frac{1}{4}$ " (12 Series) elbow, tube–m $\frac{1}{4}$ " x $\frac{1}{4}$ " (16 Series)	810204–025 810504–025	1 1
42	bracket, control (16 Series only)	234217	1

---

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

# ILLUSTRATIONS AND PARTS LIST

## 1.14 INSTRUMENT PANEL AND PARTS (12 AND 16 SERIES)



Section 1

# ILLUSTRATIONS AND PARTS LIST

---

## 1.14 INSTRUMENT PANEL AND PARTS (12 AND 16 SERIES)

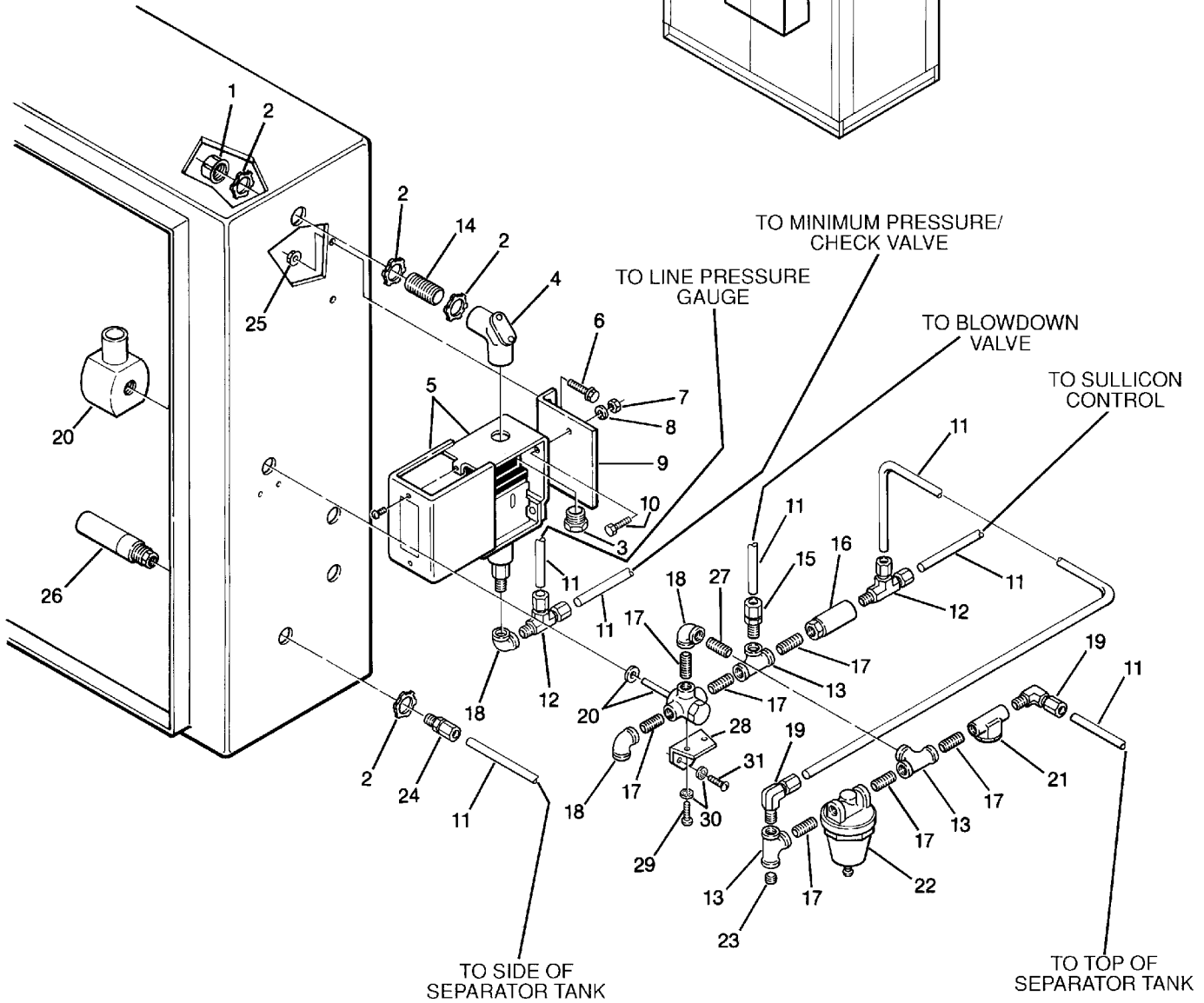
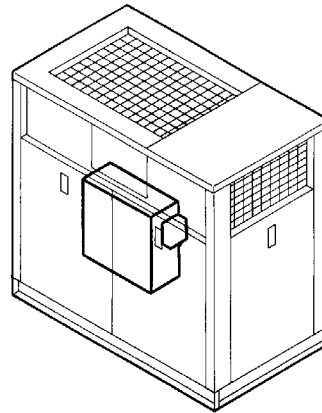
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	union, tube ¼" x ¼"	811104-025	5
2	screw, tc-f pan #8-32 x ½"	835601-050	4
3	tubing, ¼" (ft.)	841015-004	10
4	connector, tube-f ¼" x ⅛"	810104-012	5
5	tee, tube-f ¼" x ⅛"	811004-012	1
6	connector, tube-f ¼" x ⅛"	250025-327	1
7	angle, instrument panel	02250044-407	1
8	hose, nylon ¼" (ft.)	842215-004	6
9	panel, instrument	250019-481	1
10	decal, instrument panel	250015-500	1
11	gauge, differential pressure 0-30 PSI	250003-799	1
12	gauge, vacuum 0-30 water	250003-797	1
13	gauge, differential pressure 0-15 PSI	250003-798	1
14	gauge, pressure 2" diameter	250005-185	2
15	gauge, temperature 2"	042582	1
16	switch, pushbutton START	250016-351	1
17	switch, pushbutton STOP	250016-350	1
18	panel, electrical	250015-471	1
19	gasket, hourmeter	410353	1
20	hourmeter, 60 Hz	250015-715	1
	•hourmeter, 50 Hz	250042-010	1
21	nut, hex washer ¼"	825304-236	1
22	decal, electrical panel	250015-483	1
23	holder, pilot lamp	043383	1
	•lens, green	043385	1
	•lens, red	043384	1
	•lens, amber	047016	1
	•bulb, pilot lamp	043386	1
24	support, instrument panel	02250044-405	1
25	screw, hex ser washer ⅝" x ¾"	829705-075	1
26	screw, hex ser washer ¼" x ¾"	829704-075	1
27	nut, hex washer ⅝"	825305-283	1

---

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

# ILLUSTRATIONS AND PARTS LIST

## 1.15 ELECTRO-PNEUMATIC CONTROL SYSTEM (12 AND 16 SERIES)



Section 1

# ILLUSTRATIONS AND PARTS LIST

---

## 1.15 ELECTRO-PNEUMATIC CONTROL SYSTEM (12 AND 16 SERIES)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	bushing, conduit plastic ½"	848815-050	1
2	locknut, conduit ½"	847200-050	4
3	nipple, chase conduit ½"	847815-050	1
4	elbow, 90° ½"	846915-050	1
5	switch, pressure 0-150# Ni	040694	1
6	capscrew, hex serrated washer 5/16" x 3/4"	829705-075	2
7	nut, hex plated #10-32	825801-130	2
8	washer, springlock regular #10	838502-047	2
9	bracket, pressure switch support	250018-146	1
10	screw, machine rd head #10-32 x ½"	831702-050	2
11	tubing, ¼" (ft.)	841015-004	60
12	tee, tube-m ¼" x ¼" x ¼"	810904-025	2
13	tee, pipe galvanized ¼"	804415-010	3
14	nipple, conduit ½" x 1½"	250007-169	1
15	connector, tube-m ¼" x ¼"	810204-025	1
16	valve, check ¼"	049905	1
17	nipple, pipe galvanized xs ¼" x close	823204-000	7
18	elbow, pipe galvanized 90° ¼"	803515-010	3
19	elbow, tube-m ¼" x ¼"	810504-025	2
20	valve, solenoid ¼" 3-way 150# (I)	250038-674	1
21	strainer, v-type (II)	241771	1
22	valve, differential pres regulator ¼"npt(III)	406929	1
23	orifice, pipe plug ¼"	232874	1
24	connector, tube-m ¼" x 1/8"	810204-012	1
25	nut, hex flanged plated 5/16"-18	825305-283	2
26	switch, high discharge pressure 135 PSI nc	250017-991	1
27	nipple, galvanized xs ¼" x 1½"	823104-015	1
28	bracket, valve support	250030-037	1
29	screw, pan hood #8-32 x 3/8"	835601-038	2
30	washer, lock int tooth #10	838402-025	4
31	screw, self tap #10-24 x ½"	835602-050	2

(I) For maintenance on solenoid valve no. 250038-674, order repair kit no. 250038-673 (valve) or no. 250031-738 (coil).

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

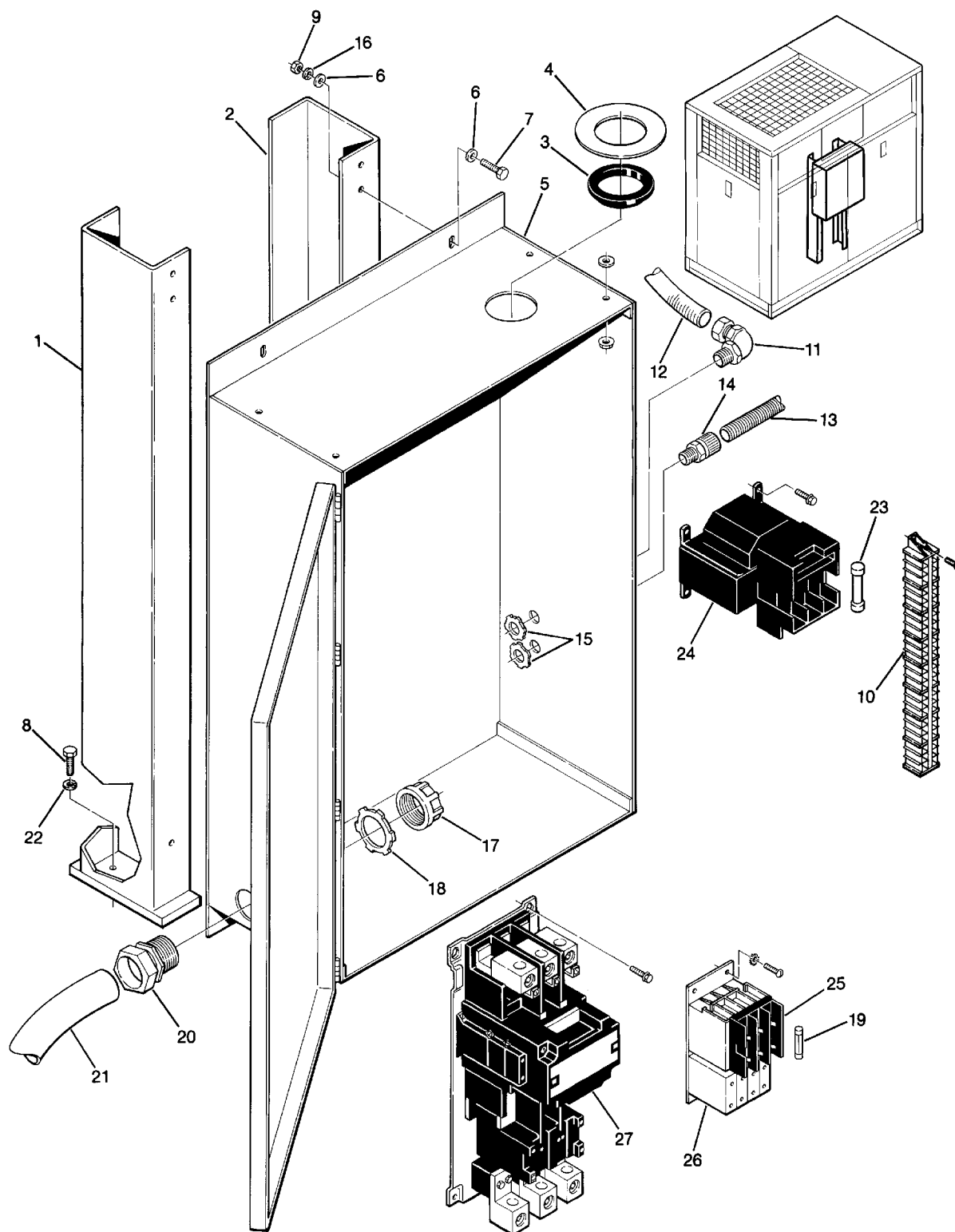
(III) For maintenance on pressure regulator no. 406929, order repair kit no. 041742.

---

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

# Section 1 ILLUSTRATIONS AND PARTS LIST

## 1.16 ELECTRIC CONTROL BOX ASSEMBLY (12 AND 16 SERIES)



Section 1

# ILLUSTRATIONS AND PARTS LIST

---

## 1.16 ELECTRIC CONTROL BOX ASSEMBLY (12 AND 16 SERIES)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	support, starter – left hand	250017–978	1
2	support, starter – right hand	250017–977	1
3	bushing, snap	250042–243	1
4	gasket	250019–557	1
5	MFV starter, assembly Size 3 N12	250038–564	1
	•MFV starter, assembly Size 4 N12	250038–565	1
	•MFV starter, assembly Size 5 N12	250038–566	1
6	washer, plaint steel $\frac{3}{8}$ "	837206–071	8
7	capscrew, hex head $\frac{3}{8}$ " – 16 x 1 $\frac{1}{4}$ " gr8	828606–125	4
8	capscrew, hex gr5 $\frac{1}{2}$ " – 13 x 1 $\frac{1}{2}$ "	828608–150	11
9	nut, hex $\frac{3}{8}$ " – 16	824206–337	4
10	block, terminal	250041–102	10
	•block, end adapter	250041–103	1
11	elbow, 45° conduit	846500–050	1
12	conduit, csa flex $\frac{1}{2}$ "	846315–050	2 ft.
13	wire, neoprene so #12–4	850604–012	6 ft.
14	grip, cord for so 12/4	250018–497	2
15	locknut, conduit $\frac{1}{2}$ "	847200–050	1
16	washer, springlock regular $\frac{3}{8}$ "	837506–094	4
17	bushing, 1 $\frac{1}{2}$ "	848815–150	1
18	locknut, 1 $\frac{1}{2}$ "	847200–150	1
19	fuse	Consult Factory	
20	grip, cord for g–gc #4	250014–557	1
	• grip, cord for g–gc	250014–559	2
21	cord, type g–gc #4ga (ft.)	250014–306	4
	• cord, type g–gc #2 ga (ft.)	250014–308	4
22	washer, springlock $\frac{1}{2}$ "	837508–125	11
23	fuse, primary 208V (starter size 3)	250026–649	2
	• fuse, primary 208V (starter size 4 & 5)	250006–652	2
	• fuse, primary 230V (starter size 3)	250026–649	2
	• fuse, primary 230V (starter size 4 & 5)	250026–651	2
	• fuse, primary 460V (starter size 3)	250026–644	2
	• fuse, primary 460V (starter size 4 & 5)	250026–648	2
	• fuse, primary 575V (starter size 3)	250026–643	2
	• fuse, primary 575V (starter size 4 & 5)	250026–646	2
	• fuse, secondary 115V (starter size 3)	250026–644	1
	• fuse, secondary 115V (starter size 4 & 5)	250026–650	1

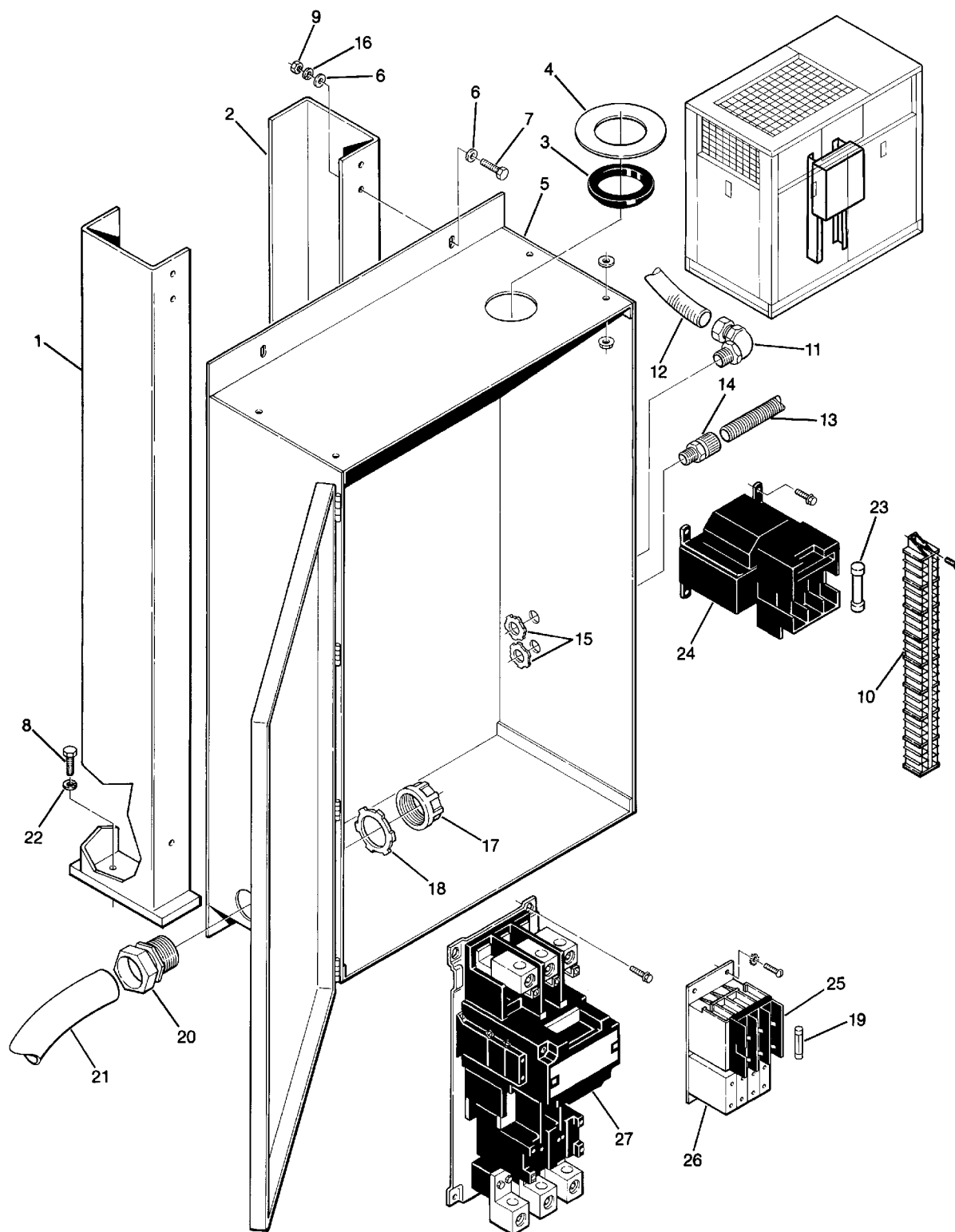
(continued on Page 53)

---

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

# Section 1 ILLUSTRATIONS AND PARTS LIST

## 1.16 ELECTRIC CONTROL BOX ASSEMBLY (12 AND 16 SERIES)



# ILLUSTRATIONS AND PARTS LIST

---

## 1.16 ELECTRIC CONTROL BOX ASSEMBLY (12 AND 16 SERIES) (continued)

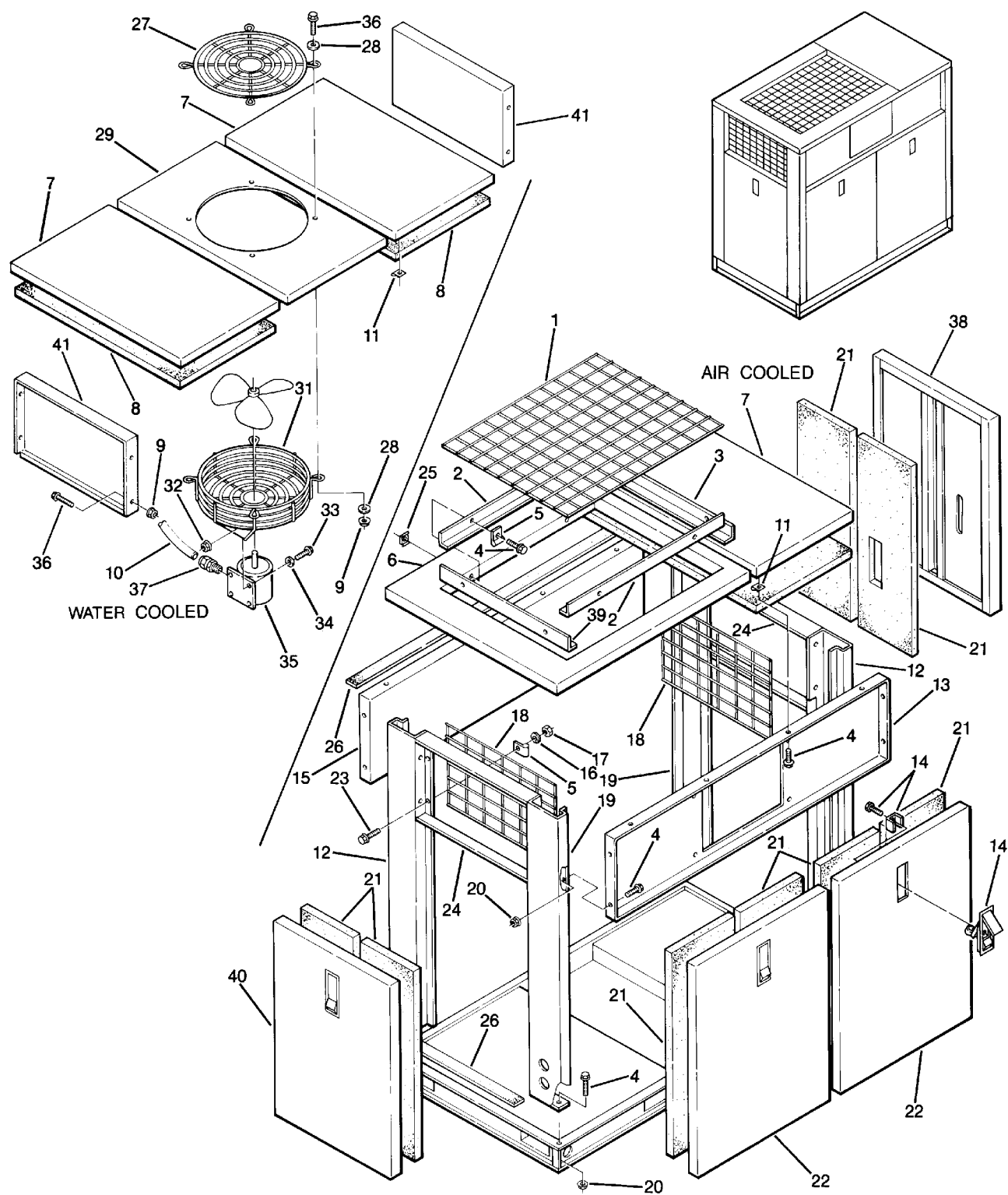
<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
24	transformer, 240/480–120V (starter size 3)	250040–184	1
	• transformer, 240/480–120V (starter size 4 & 5 )	250040–185	1
	• transformer, 208–120V (starter size 3)	250040–184	1
	• transformer, 208–120V (starter size 4 & 5)	250040–185	1
	• transformer, 575–120V (starter size 3)	250040–184	1
	• transformer, 575–120V (starter size 4 & 5)	250040–185	1
25	fuseholder	250023–290	1
26	starter, open replacement, (size 0)	250021–835	1
	• starter, open replacement (size 1)	250021–836	1
	• relay, overload replacement (size 0)	250021–692	1
	• relay, overload replacement (size 1)	250021–693	1
27	starter, open replacement (size 3)	250021–838	1
	• starter, open replacement (size 4)	250021–839	1
	• starter, open replacement (size 5)	250038–284	1
	• coil, starter replacement (size 3)	250038–578	1
	• coil, starter replacement (size 4)	250038–579	1
	• coil, starter replacement (size 5)	250038–579	1
	• relay, overload replacement (size 3)	250040–076	1
	• relay, overload replacement (size 4)	250040–077	1
	• relay, overload replacement (size 5)	250021–692	1

---

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

# Section 1 ILLUSTRATIONS AND PARTS LIST

## 1.17 CANOPY ENCLOSURE AND PARTS (12 AND 16 SERIES)



Section 1

# ILLUSTRATIONS AND PARTS LIST

---

## 1.17 CANOPY ENCLOSURE AND PARTS (12 AND 16 SERIES)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	grille, cooler (40 and 50HP)	250018-295	1
	• grille, cooler (60 and 75HP)	250018-296	1
2	angle, seal (40 and 50HP)	250018-291	2
	• angle, seal (60 and 75HP)	250018-106	2
3	angle, seal (40 and 50HP)	250018-291	1
	• angle, seal (60 and 75HP)	250034-881	1
4	screw, hex serrated washer $\frac{5}{16}$ "-18 (water-cooled)	829705-075	44
	• screw, hex serrated washer $\frac{5}{16}$ "-18 (air-cooled)	829705-075	40
5	clamp, wire (air-cooled)	043194	16
6	frame, roof (40 and 50HP)	250018-268	1
	• frame, roof (60 and 75HP)	250017-865	1
7	panel, access roof	250017-309	1
8	panel, fiberglass roof	250020-012	1
9	nut, hex flange $\frac{5}{16}$ " (air-cooled)	825305-283	4
	• nut, hex flange $\frac{5}{16}$ " (water-cooled)	825305-283	12
10	wire, neoprene #16-4	850604-016	8
11	nut, retainer $\frac{5}{16}$ "-18	861505-140	16
12	panel, corner - right hand	250018-609	2
13	panel, front side	250017-311	1
14	latch, adjustable trigger lock	049764	6
15	panel, back side	250017-312	1
16	washer, springlock $\frac{1}{4}$ "	837504-062	12
17	nut, hex $\frac{1}{4}$ "	824204-226	12
18	grille, enclosure end (air-cooled)	250018-667	2
19	panel, corner - left hand	250018-610	2
20	nut, hex flanged $\frac{5}{16}$ " (water-cooled)	825305-283	16
	• nut, hex flanged $\frac{5}{16}$ " (air-cooled)	825305-283	20
21	panel, fiberglass door	250020-015	12
22	panel, access side	250017-310	4
23	capscrew, hex $\frac{1}{4}$ "-20	829104-100	8
24	panel, end	250018-646	2
25	nut, retainer $\frac{5}{16}$ "-18	861405-092	8
26	felt, weatherstrip (ft.)	043502	92
27	guard, fan 20"	241137	1
28	washer, plain $\frac{5}{16}$ "	838205-071	8
29	panel, access roof	250017-308	1
30	fan, vent 18"	410358	1
31	guard, exhaust fan	410179	1

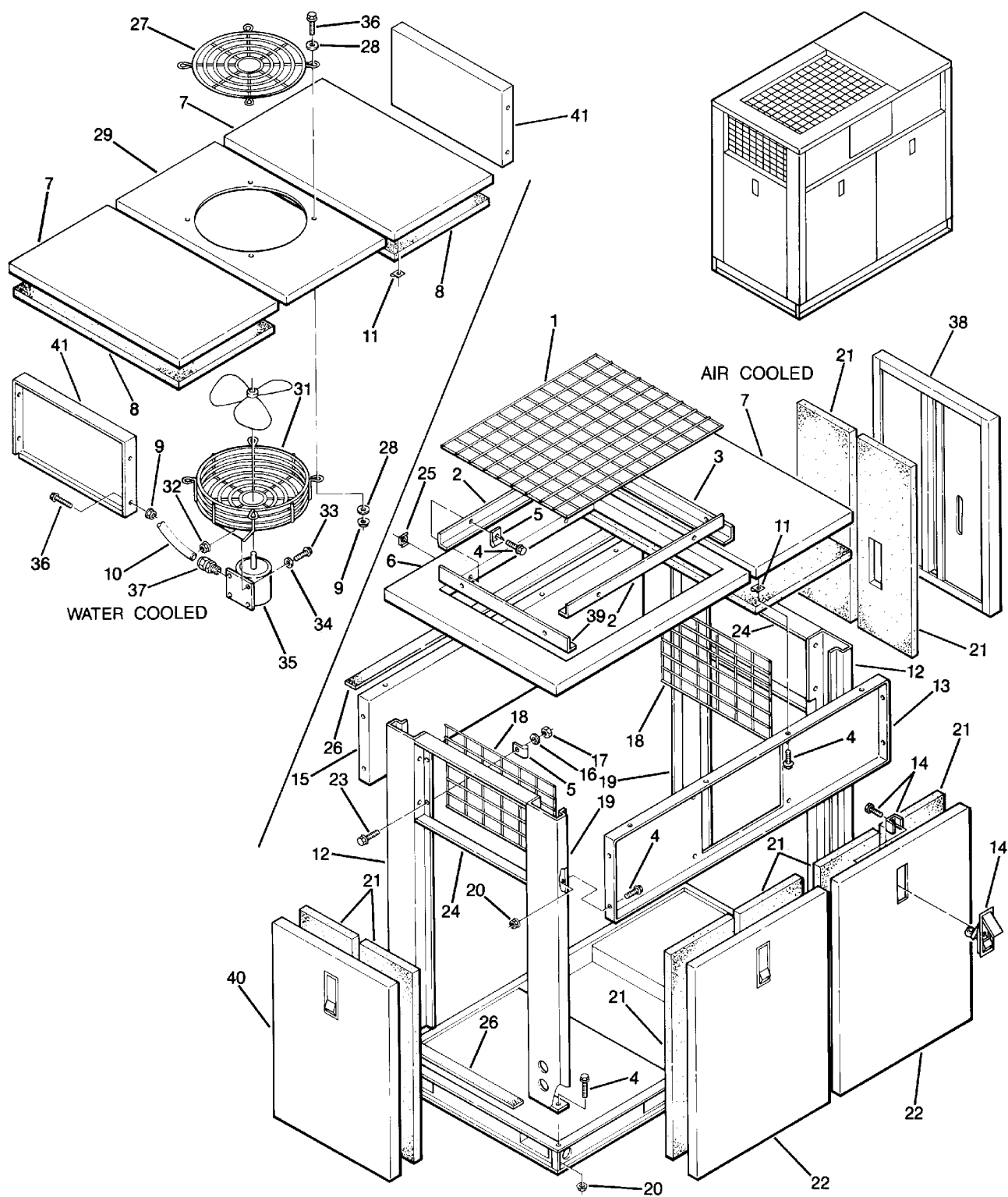
(continued on Page 57)

---

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

# Section 1 ILLUSTRATIONS AND PARTS LIST

## 1.17 CANOPY ENCLOSURE AND PARTS (12 AND 16 SERIES)



Section 1

# ILLUSTRATIONS AND PARTS LIST

---

## 1.17 CANOPY ENCLOSURE AND PARTS (12 AND 16 SERIES) (continued)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
32	nut, hex flange $\frac{5}{16}$ "	825305-283	4
33	screw, hex serrated washer $\frac{5}{16}$ " x $\frac{3}{4}$ "	829705-075	4
34	washer, plain $\frac{5}{16}$ "	838205-071	4
35	motor, 25HP (230, 460V)	250000-031	1
36	screw, hex serrated washer $\frac{5}{16}$ " x $\frac{3}{4}$ "	829705-075	4
37	grip, cord $\frac{1}{2}$ "	250021-321	1
38	panel, access side special (air-cooled)	250021-260	1
	• panel, access side special (water-cooled)	250034-296	1
39	angle, seal (40 and 50 HP)	250034-939	1
	• angle, seal (60 and 75 HP)	250034-881	1
40	panel, access side (air-cooled)	250017-310	1
	• panel, access side (water-cooled)	250034-297	1
41	panel, enclosure end (water-cooled)	250018-647	2

---

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

# Section 1 ILLUSTRATIONS AND PARTS LIST

## 1.18 DECAL GROUP

← LIFT HERE →

241814

GENUINE  
 SULLAIR®  
SERVICE PARTS

MODEL:  
12BS-40, 50 & 60HP

DESCRIPTION:	P/N
• ELEMENT, AIR FILTER STD.	040899
ELEMENT, FLUID FILTER (FG.)	250025-526
ELEMENT, PRIM. SEPARATOR	250034-116
ELEMENT, SEC. SEPARATOR	408167-011
KIT, FLUID RETURN LINE	241772
KIT, SULLICON CONTROL	250020-353
SPRING, SULLICON CONTROL	250006-526

• • STD. COMPRESSOR FLUID OPTIONS:

SRF 1/4000 FLUID (5 GAL.)	250019-662
SULLUBE 32 FLUID (5 GAL.)	250022-669
24KT FLUID (5 GAL.)	046850-001

• • SEE COMPR. FILL DECAL FOR CORRECT FLUID

• HEAVY DUTY FILTER OPTION

ELEMENT, PRIM. AIR FILTER	049301
ELEMENT, SEC. AIR FILTER	049302

THE ABOVE PARTS MAY ALSO BE ORDERED AS AN ANNUAL MAINTENANCE KIT:

12BS W/STD. AIR FILTER	250027-932
12BS W/H.D. AIR FILTER	250027-933

THE ABOVE PARTS SHOULD BE ORDERED FROM A LOCAL SULLAIR DISTRIBUTOR. FOR INFORMATION REGARDING THE LOCATION OF YOUR NEAREST SULLAIR DISTRIBUTOR CONTACT:

SULLAIR CORPORATION PARTS DIVISION 1625 E. SECOND ST. MICHIGAN CITY, IN. 46360	TEL. (219) 874-1800 800 348-2722
---	-------------------------------------

250034-137

⚠ WARNING

Disconnect all power at source, before attempting maintenance or adjustments.

49655

⚠ WARNING

Do not operate without fan guard in place.

49966

⚠ DANGER

Lethal shock hazard inside.  
Disconnect all power at source, before opening or servicing.

49660

ROTATION

ROTATION

49656

⚠ WARNING

Do not permit air from this equipment to contact food stuff except in full compliance with FDA Standard 21CFR178.3570, and all other applicable federal, state and local, codes, standards and regulations.

250003-144

⚠ WARNING

This Unit Is Equipped With An Auto Start Sequence That Will Start The Unit In The Event Of A Power Failure Automatically After The Sump Pressure Drops To 10 PSIG And The Power Is Restored.

When Performing Maintenance Follow Your Company's Prescribed Safety Practices for Electrical Equipment.

250017-903

GROUND

45433

THIS UNIT WIRED FOR 460 VOLT

WATER DRAIN

040345

Section 1

# ILLUSTRATIONS AND PARTS LIST

---

## 1.18 DECAL GROUP

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
1	decal, fork lifting	241814	4
2	decal, 12BS maintenance kit (40,50,60HP)	250034-137	1
3	sign, warning sever fan	049855	2
4	sign, warning sever fan port	049965	1
5	sign, danger electrocution	049850	1
6	decal, rotation	250021-286	1
7	decal, 460 volt	040631	1
8	decal, ground lug	045433	1
9	decal, warning ground fault	049852	1
10	decal, water drain	040345	1
11	sign, warning "food grade" lube	250003-144	1

(continued on Page 61)

---

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

# ILLUSTRATIONS AND PARTS LIST

## 1.18 DECAL GROUP

**⚠ DANGER**



Death or serious injury can occur from inhaling compressed air without using proper safety equipment.  
See OSHA standards on safety equipment.

250027-935

12

**⚠ WARNING**



Do not remove caps, plugs, or other components when compressor is running or pressurized.  
Stop compressor and relieve all internal pressure before doing so.

49885

13

**GENUINE SULLAIR® SERVICE PARTS**

**MODEL:**  
16BS-60, 75 & 100HP

DESCRIPTION:	P/N
• ELEMENT, AIR FILTER STD.	040899
ELEMENT, FLUID FILTER (FG.)	250025-526
ELEMENT, PRIM. SEPARATOR	250034-116
ELEMENT, SEC. SEPARATOR	408167-011
KIT, FLUID RETURN LINE	241772
KIT, SULLICON CONTROL	250020-353
SPRING, SULLICON CONTROL	250006-526

---

•• STD. COMPRESSOR FLUID OPTIONS:

SRF 1/4000 FLUID (5 GAL.)	250019-662
SULLUBE 32 FLUID (5 GAL.)	250022-669
24KT FLUID (5 GAL.)	046850-001

•• SEE COMPR. FILL DECAL FOR CORRECT FLUID

---

• HEAVY DUTY FILTER OPTION

ELEMENT, PRIM. AIR FILTER	047542
ELEMENT, SEC. AIR FILTER	047543

---

THE ABOVE PARTS MAY ALSO BE ORDERED AS AN ANNUAL MAINTENANCE KIT:

16BS W/STD. AIR FILTER	250027-932
16BS W/H.D. AIR FILTER	250027-934

---

THE ABOVE PARTS SHOULD BE ORDERED FROM A LOCAL SULLAIR DISTRIBUTOR. FOR INFORMATION REGARDING THE LOCATION OF YOUR NEAREST SULLAIR DISTRIBUTOR CONTACT:

SULLAIR CORPORATION	TEL. (219) 874-1800
PARTS DIVISION	800 348-2722
1625 E. SECOND ST.	
MICHIGAN CITY, IN. 46360	

250034-138

14

SULLAIR COMPRESSOR FLUID  
**SULLUBE-32**  
P/N -250009-396  
MIXING OF OTHER FLUIDS WILL VOID WARRANTY  
FILL CAP HAS AN O-RING SEAL  
DO NOT USE PIPE DOPE.

250023-361

15

**DANGER**

**HIGH VOLTAGE**

62216

17

SULLAIR COMPRESSOR FLUID  
**SRF 1/4000**  
P/N -250019-661  
MIXING OF OTHER FLUIDS WILL VOID WARRANTY  
FILL CAP HAS AN O-RING SEAL  
DO NOT USE PIPE DOPE.

250022-439

16

↓ **WATER IN** ↓

250019-107

18

↓ **WATER OUT** ↓

250019-108

19

Section 1

# ILLUSTRATIONS AND PARTS LIST

---

## 1.18 DECAL GROUP (Continued)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
12	sign, danger air breathing	250027-935	1
13	sign, warning compressor fluid fill cap	049685	1
14	decal, 16BS maintenance kit (60,75,100HP)	250034-138	1
15	decal, compressor fluid Sullube 32	250023-361	1
16	decal, SRF 1/4000 fluid	250022-839	1
17	decal, danger high voltage	042218	1
18	decal, "water in"	250019-107	1
19	decal, "water out"	250019-108	1

(continued on Page 63)

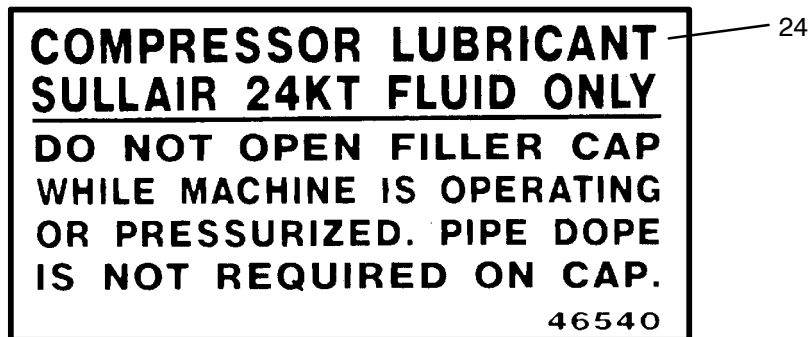
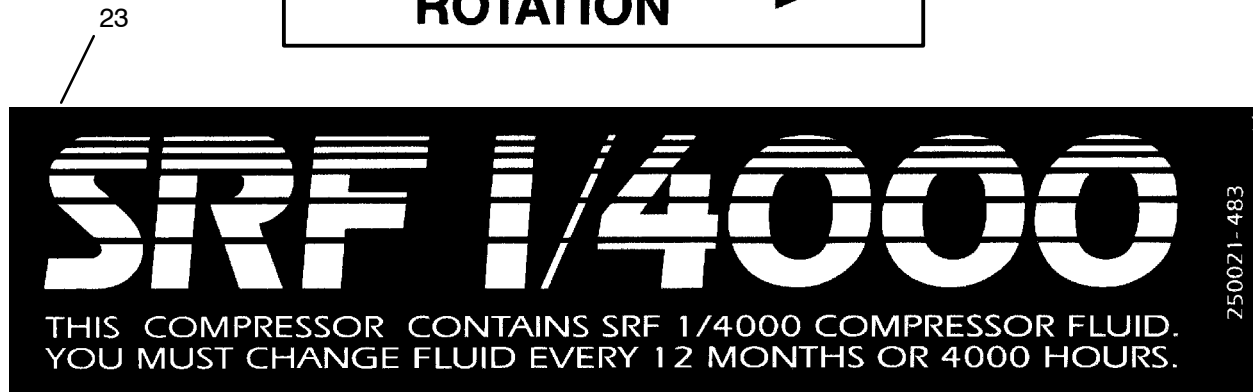
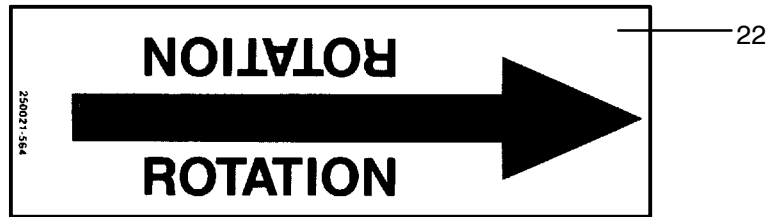
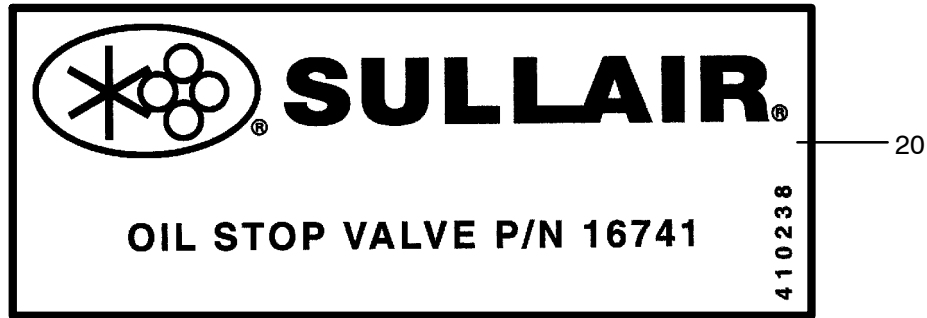
---

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

# ILLUSTRATIONS AND PARTS LIST

---

## 1.18 DECAL GROUP



Section 1

# ILLUSTRATIONS AND PARTS LIST

---

## 1.18 DECAL GROUP (Continued)

<i>key number</i>	<i>description</i>	<i>part number</i>	<i>quantity</i>
20	decal, oil stop valve P/N 016741	410238	1
21	decal, water inlet/outlet	049873	1
22	decal, rotation	250021-564	1
23	decal, SRF 1/4000 logo	250021-483	1
24	decal, compressor lubricant	046540	1
25	decal, 16-60 (not shown)	250019-114	1
26	decal, logo - white (not shown)	040087A	2
28	decal, 12-40 (not shown)	250019-110	1
27	decal, Sullair - white (not shown)	250014-057	2
29	decal, 12-50 (not shown)	250019-111	1
30	decal, 12-60 (not shown)	250019-112	1

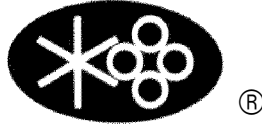
---

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

# NOTES

# NOTES

# WORLDWIDE SALES AND SERVICE



**SULLAIR ASIA, LTD.**  
ROOM 2304A  
Shartex Plaza Ctr.  
No. 88 Zun Yi Nan Rd.  
Shanghai, P.R.C.  
Telephone: 21-2192066  
FAX: 21-2196568

**SULLAIR EUROPE, S.A.**  
Chemin de Genas BP 639  
69800 Saint Priest, France  
Telephone: 33-72232425  
FAX: 33-78907168

**SULLAIR CORPORATION**  
Subsidiary of Sundstrand Corporation  
3700 East Michigan Boulevard  
Michigan City, Indiana 46360 U.S.A.  
Telephone: 1-800-SULLAIR or  
1-219-879-5451  
FAX: (219) 874-1273