

YORK®

RECIPROCATING HERMETIC AIR COOLED PACKAGED LIQUID CHILLERS

RENEWAL PARTS

Supersedes: Nothing

273

Form 150.40-RP4

MODELS LCHA45-25A, 46A, 58A, 61A AND 67A *3-6-73*

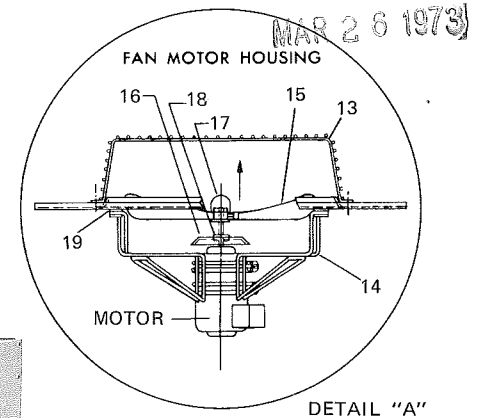
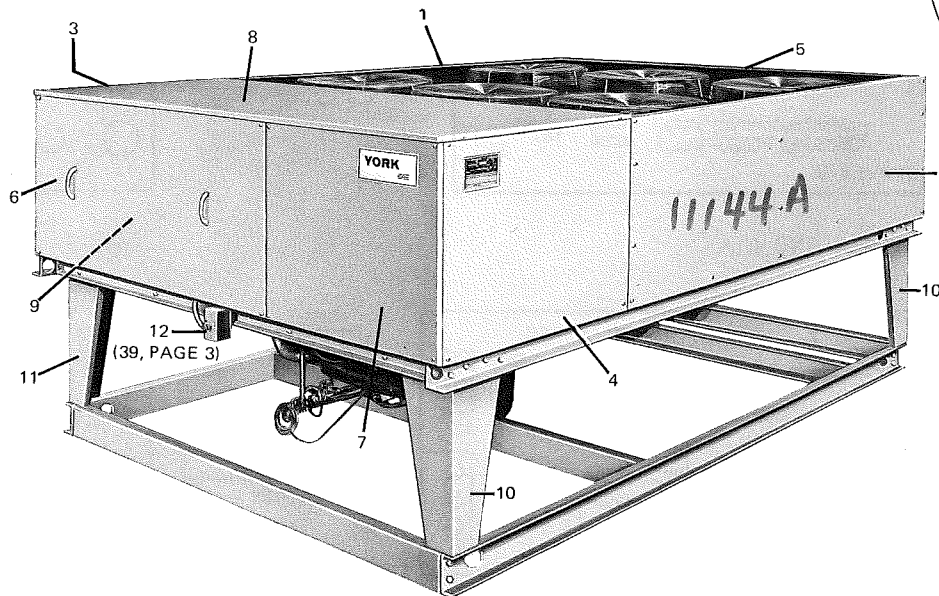


FIG. 1—MODEL LCHA45

ITEM NO.	DESCRIPTION	FIG. NO.	PART NO.
1	Panel, Side, L.H. (Rear)	1	363-32814
2	Panel, Side, R.H. (Rear)	1	363-32817
3	Panel, Side, L.H. (Front)	1	063-32673
4	Panel, Side, R.H. (Front)	1	063- 36681 <i>32681</i>
5	Panel, Rear	1	063-32815
6	Panel, Front L.H.	1	363-34497
7	Panel, Front R.H.	1	363-34846
8	Panel, Top	1	036-32836
9	Door, Electrical Control Box	1	366-40407
10	Leg, 3-Req'd. (Rear and under 20-Ton Compr.)	1	063-32666
11	Leg, 1-Req'd. (Under 30-Ton Compr.)	1	063-32667
12	Switch, Toggle (On-Pumpdown-Off) (S)	1	366-44750
13	Guard, Condenser Fan	Detail A	026-16522
14	Bracket, Motor Mtg., Condenser Fan	Detail A	026-17579
15	Fan, 24"	Detail A	026-17571
16	Rainshield, Cond. Fan Motor	Detail A	062-30549
17	Cap, Hub (For Condenser Fan Shaft)	Detail A	028-07364
18	Grommet, Motor Shaft, 7/16 I.D.	Detail A	028-04209
19	Grommet, Motor Mtg. Bracket, 9/32 I.D.	Detail A	028-04210
20	Spring, Compr. Mtg., Pump End (Gray) 30-Ton	Not Shown	029-13893-001
21	Spring, Compr. Mtg., Motor End (Blue) 30-Ton	Not Shown	029-13893-003
22	Spring, Compr. Mtg., Pump End (Black) 20-Ton	Not Shown	029-13893-006
23	Spring, Compr. Mtg., Motor End (Green) 20-Ton	Not Shown	029-13893-005

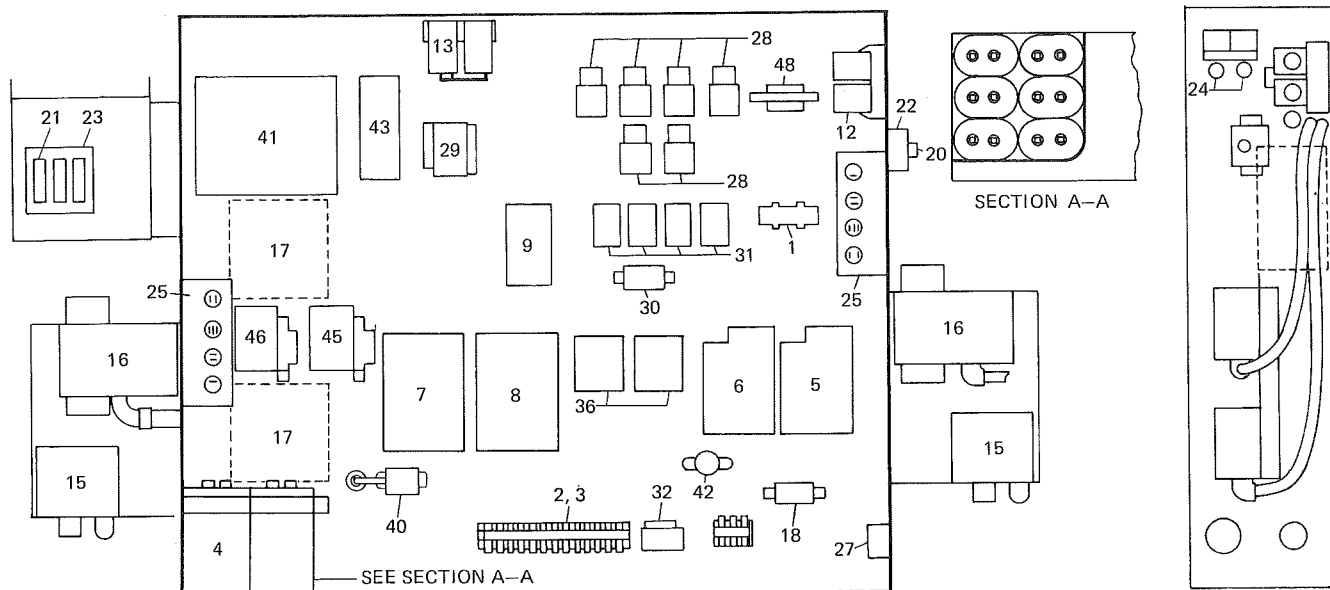


FIG. 2—MAIN CONTROL PANEL, LCHA45-25A AND -61A

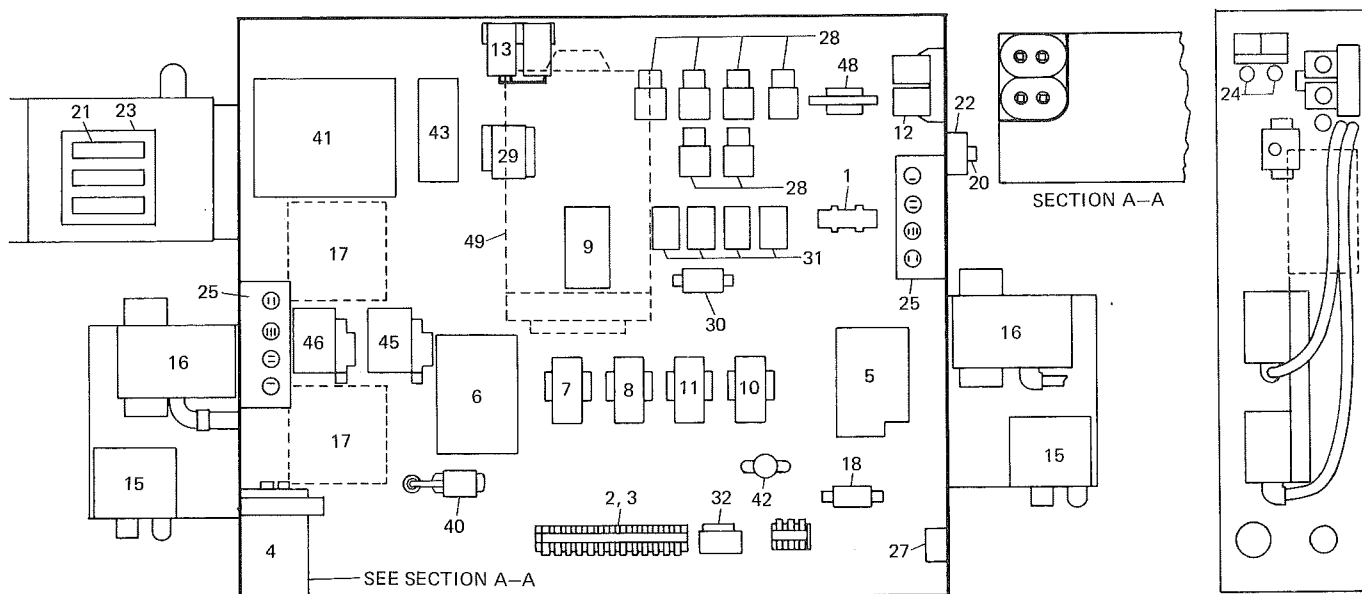


FIG. 3—MAIN CONTROL PANEL, LCHA45-46A, -58A AND -67A

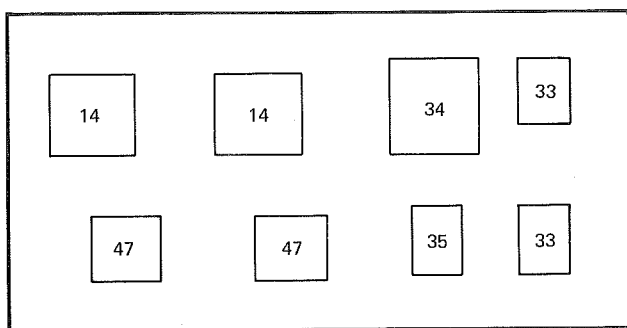
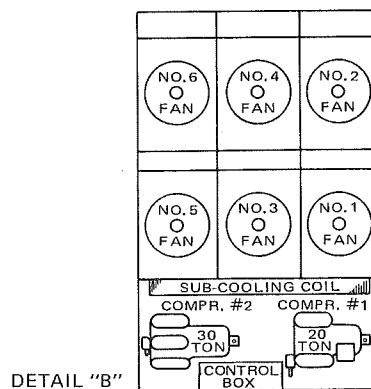


FIG. 4—LCHA45 AUXILIARY CONTROL PANEL



DETAIL "B"

ELECTRICAL COMPONENTS

ITEM NO.	DESCRIPTION	FIG. NO.	PART NO.		
			208/230-3-60 ¹	460-3-60 ²	575-3-60
1	Block, Terminal (1TB)	2 & 3	025-15978	025-15978	025-15978
2	Block, Terminal (2TB)	2 & 3	025-15865	025-15865	025-15865
3	Block, Terminal, End (For Item 2)	2 & 3	025-13981	025-13981	025-13981
4	Capacitor (1RC thru 6RC) (1RC and 2RC)	2 3	025-12154	024-12154	024-12154
5	Contactor (1M)	2 & 3	024-16406-003	024-16406-012	024-16406-012
6	Contactor (2M)	2 & 3	024-16406-012	024-16406-048	024-16406-048
7	Contactor (3M)	2 & 3	024-16406-039	024-14520	024-14520
8	Contactor (4M)	2 & 3	024-16406-048	024-14520	024-14520
9	Contactor (5M)	2 & 3	024-14728-006	024-14728-006	024-14728-006
10	Contactor (6M)	3	024-14520	024-14520	024-14520
11	Contactor (7M)	3	024-14520	024-14520	024-14520
12	Control, Pressure, Dual (1LP & 1HP)	2 & 3	025-12280	025-12280	025-12280
13	Control, Pressure, Dual (2LP & 2HP)	2 & 3	025-12280	025-12280	025-12280
14	Control, Low Pressure (3LP & 4LP)	4	025-17461	025-17461	025-17461
15	Control, High Pressure (3HP & 4HP)	2 & 3	025-17029	025-17029	025-17029
16	Control, Oil Pressure Switch (1OP & 2OP)	2 & 3	025-17151	025-17151	025-17151
17	Control, Fan Speed (1SC & 2SC)	2 & 3	025-17024	025-17024	025-17024
18	Control, Freeze (FC)	2 & 3	025-16791	025-16791	025-16791
19*	Compressor, 20-Ton (#1)	Not Shown	365-23102-010	365-23102-011	365-23102-012
	30-Ton (#2)	Not Shown	365-23104-010	365-23104-011	365-23104-012
20	Fuse, 3.2 AMP (4FU)	2 & 3	025-08445	025-08445	025-08445
21	Fuse, 15 AMP (1FU, 2FU & 3FU)	2 & 3	025-05750	025-05741	025-05741
	20 AMP (1FU, 2FU & 3FU)	2 & 3	025-05750	025-05741	025-05741
22	Fuseholder (For Item 20)	2 & 3	225-06924-015	225-06924-015	225-06924-015
23	Fuseholder (For Item 21)	2 & 3	025-05252	025-13947	025-13947
24	Light, Indicator (1L & 2L)	2 & 3	025-16308	025-16308	024-16308
25	Module, Compressor Motor Protector (1MP & 2MP)	2 & 3	025-15702-002	025-15702-002	025-15702-002
26	Motor, Condenser Fan, #2, 3, 4 & 6 #1, 5	Detail B Detail B	024-16497 024-16497	024-16498 024-16497	024-16499 024-16497
27	Outlet, Convenience	2 & 3	025-14023	025-14023	025-14023
28	Relay, Control (1R, 3R, 6R, 7R, 9R & 10R)	2 & 3	024-16395-027	024-16395-027	024-16395-027
29	Relay, Control (4R)	2 & 3	024-17020	024-17020	024-17020
30	Relay, Lockout (5R)	2 & 3	024-12066	024-12066	024-12066
31	Relay, Control (12R thru 15R)	2 & 3	024-16018	024-16018	024-16018
32	Relay, Control (16R)	2 & 3	024-11634	024-11634	024-11634
33	Relay, Control (17R & 18R)	4	024-12224	024-12224	024-12224
34	Relay, Control (19R)	4	024-17020	024-17020	024-17020
35	Relay, Control (20R)	4	024-16595	024-16595	024-16595
36	Relay, Time Delay, Part Winding Start (2TR & 5TR)	2	024-16687	024-16687	024-16687
37	Sensor (For Item 41)	Not Shown	025-16782-007	025-16782-007	025-16782-007
38	Sensor, Fan Speed Control (For Item 17)	Not Shown	025-17108	025-17108	025-17108
39	Switch, Toggle (S)	1	366-44750	366-44750	366-44750
40	Thermostat (1TH)	2 & 3	025-16002	025-16002	025-16002
41	Thermostat (2TH) TC-2	2 & 3	025-16782-003	025-16782-003	025-16782-003
42	Thermostat, Cooler Heater (3TH)	2 & 3	025-17622	025-17622	025-17622
43	Thermostat, Outside Ambient, Honeywell (4TH)	2 & 3	025-16785	025-16785	025-16785
44*	Thermostat, Discharge Temperature (5TH & 6TH)	Not Shown	025-09776	025-09776	025-09776
45	Timer, Anti-Recycling (1TR) (#1)	2 & 3	325-17221-002	325-17221-002	325-17221-002
46	Timer, Anti-Recycling (4TR) (#2)	2 & 3	325-17222-002	325-17222-002	325-17222-002
47	Timer, Pumpdown (7TR & 8TR)	4	025-17460	025-17460	025-17460
48	Transformer, Solid State Control (20VA)	2 & 3	325-16684	325-16684	325-16684
49	Transformer (3KVA)	3	025-11883	025-11883	025-16720

* For complete listing of renewal parts available for compressor repair, see Form 180.40-RP.

¹ Part numbers also apply to 200-3-50 model (-61A).

² Part numbers also apply to 400-3-50 model (-67A).

025-18705
per Bill Kimbrell

REFRIGERANT PIPING

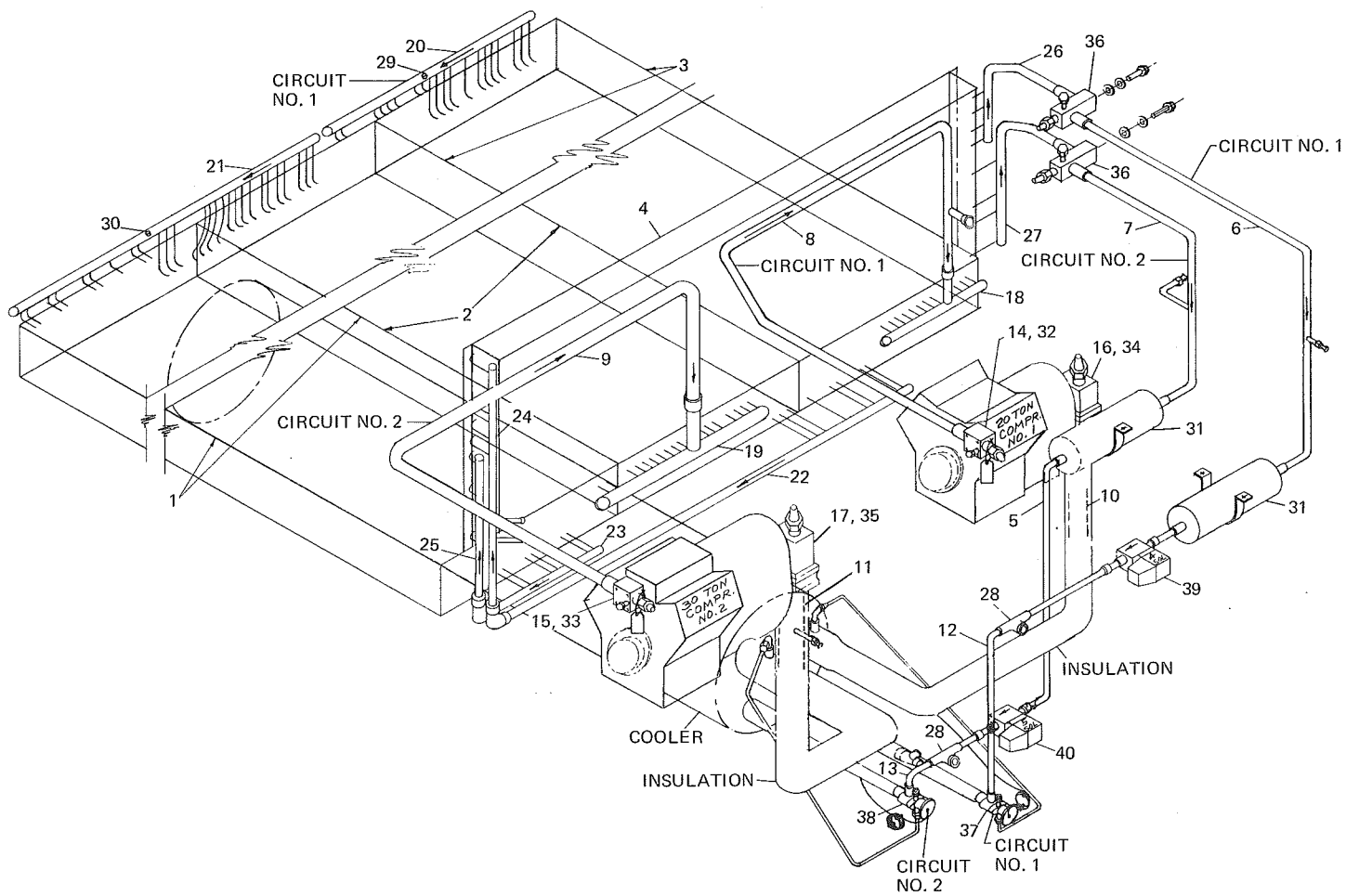


FIG. 5—REFRIGERANT PIPING

ITEM NO.	DESCRIPTION	FIG. NO.	PART NO.
1	Coil, Condenser, L.H.	5	363-30815
2	Coil, Condenser, R.H.	5	363-30814
3	Coil, Condenser, Center	5	363-30816
4	Coil, Condenser, Sub-Cooling	5	363-30859
5	Connection, Dehydrator to Solenoid Valve (#2)	5	066-36722
6	Connection, Liquid Valve to Dehydrator (#1)	5	066-36719
7	Connection, Liquid Valve to Dehydrator (#2)	5	066-36720
8	Connection, Discharge (#1)	5	366-36842
9	Connection, Discharge (#2)	5	066-34078
10	Connection, Suction (#1)	5	066-36747
11	Connection, Suction (#2)	5	066-48575
12	Connection, Expansion Valve to Moisture Indicator (#1)	5	066-36724
13	Connection, Expansion Valve to Moisture Indicator (#2)	5	066-36723
14	Gasket, Discharge (#1)	5	065-23141
15	Gasket, Discharge (#2)	5	028-08490
16	Gasket, Suction (#1)	5	028-00540
17	Gasket, Suction (#2)	5	028-00864
18	Header, Discharge (#1)	5	366-37606
19	Header, Discharge (#2)	5	366-37607
20	Header, Rear, R.H. (#1)	5	363-33954
21	Header, Rear, L.H. (#2)	5	363-33956
22	Header, Outlet (#1)	5	363-34066
23	Header, Outlet (#2)	5	363-34064
24	Header, Inlet (#1)	5	363-34062
25	Header, Inlet (#2)	5	363-34059
26	Header, Outlet (#1)	5	363-34068
27	Header, Outlet (#2)	5	363-34070
28	Indicator, Moisture	5	026-15305
29	Sensor, Fan Speed Control (#1)	5	225-17108-005
30	Sensor, Fan Speed Control (#2)	5	225-17108-004
31	Strainer - Drier	5	026-14777-009
32	Valve, Discharge (#1)	5	022-03422
33	Valve, Discharge (#2)	5	022-03727-002
34	Valve, Suction (#1)	5	022-03727-003
35	Valve, Suction (#2)	5	022-01393
36	Valve, Liquid	5	022-02992
37	Valve, Expansion (#1)	5	025-17119
38	Valve, Expansion (#2)	5	025-17117
39	Valve, Solenoid, Pumpdown (4 SOL) (#1)	5	025-17556
40	Valve, Solenoid, Pumpdown (5 SOL) (#2)	5	025-17464

(#1) - Circuit No. 1, 20 Ton
 (#2) - Circuit No. 2, 30 Ton

COOLER

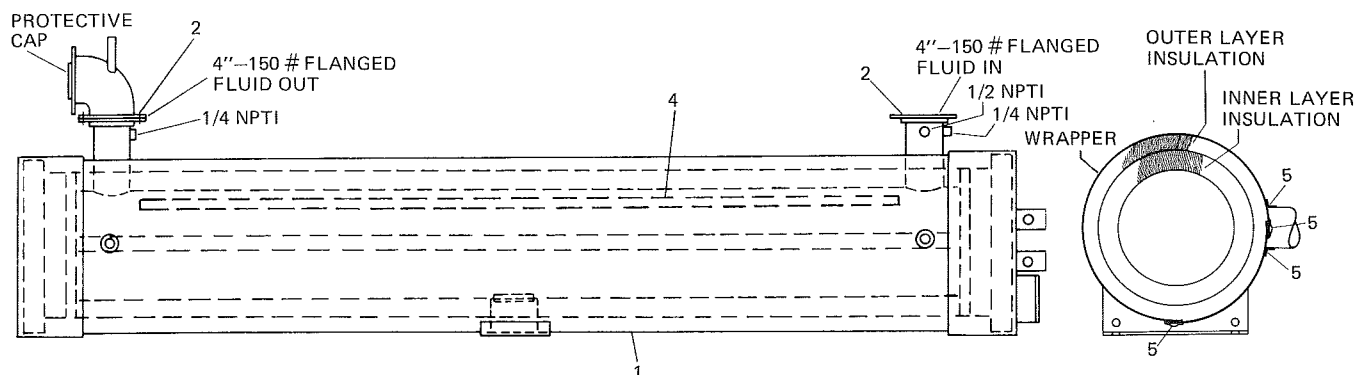


FIG. 6—COOLER

ITEM NO.	DESCRIPTION	FIG. NO.	PART NO.
1	Cooler, Complete Assembly (With Insulation and Metal Wrapper)	6	366-36209
2	Gasket, Asbestos	6	067-57402
3	Gasket, Cooler (Both Ends)	Not Shown	026-19385
4	Heater, Cooler	6	025-17898
5	Sealer, Butyl Tape	6	013-01961
6	Switch, Flow (FLS)	Not Shown	024-15793

ACCESSORY PARTS

ITEM NO.	DESCRIPTION	PART NO.
	GAUGE KIT	
1	Kit, Complete (Contains all items listed below)	466-46886T
2	Gauge, Discharge Pressure, 3-1/2" Dia.	026-14366
3	Gauge, Suction Pressure, 3-1/2" Dia.	026-14367
4	Gauge, Oil Pressure, 3-1/2" Dia.	026-18764
5	Valve, Stop, 2-Way (Primore 2869)	022-04302

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