

YORK®

RECIPROCATING HERMETIC AIR COOLED PACKAGED LIQUID CHILLERS

RENEWAL PARTS

Supersedes: Nothing

273

Form 150.40-RP3

MODELS LCHA35-25A, 46A, 58A, 61A AND 67A

3-2-73

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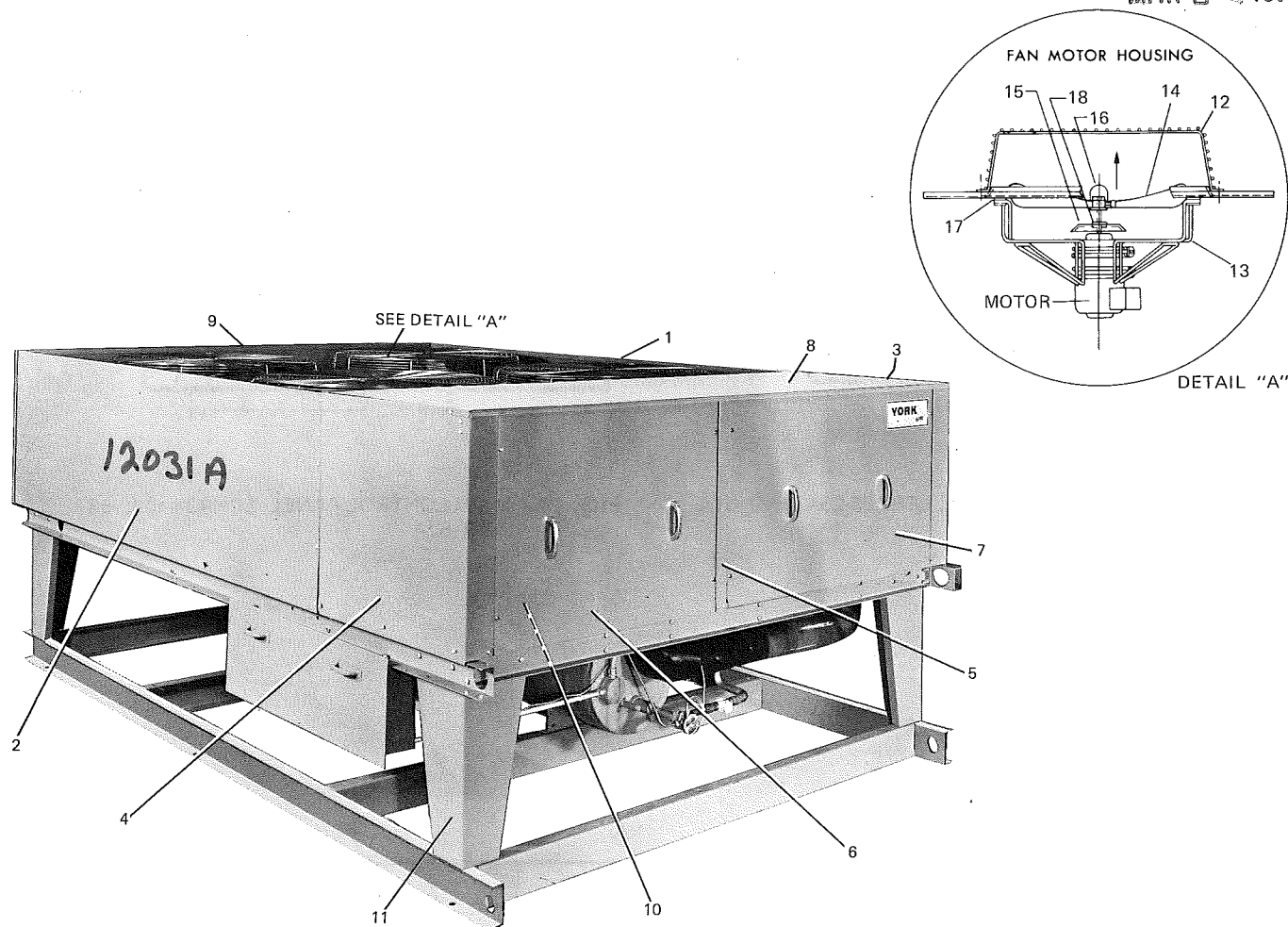


FIG. 1— MODEL LCHA35

ITEM NO.	DESCRIPTION	FIG. NO.	PART NO.
1	Panel, Side, R.H. (Rear)	1	363-21327
2	Panel, Side, L.H. (Rear)	1	363-21328
3	Panel, Side, R.H. (Front)	1	066-32308
4	Panel, Side, L.H. (Front)	1	066-33706
5	Panel, Spacer	1	066-33719
6	Panel, Access (To Compressor)	1	366-33717
7	Panel, Access (To Control Box)	1	366-33718
8	Panel, Top	1	063-21526
9	Panel, Rear	1	063-21497
10	Door, Control Box	1	366-34217
11	Leg	1	066-32038
12	Guard, Condenser Fan	Detail A	026-15946
13	Bracket, Motor Mtg., Condenser Fan	Detail A	026-15945
14	Fan, 24"	Detail A	026-16106
15	Rainshield, Cond. Fan Motor	Detail A	062-30549
16	Cap, Hub (For Condenser Fan Shaft)	Detail A	028-07364
17	Grommet, Motor Mtg. Bracket	Detail A	028-04210
18	Grommet, Motor Shaft, 7/16 I.D.	Detail A	028-04209
19	Spring, Compr. Mtg., Pump End (Brown)	Not Shown	029-13893-004
20	Spring, Compr. Mtg., Motor End (Blue)	Not Shown	029-13893-003

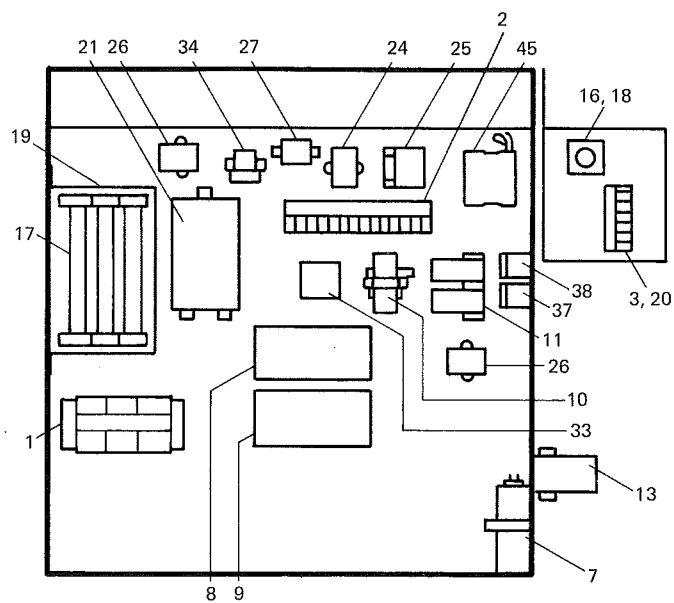


FIG. 2—MAIN CONTROL PANEL, LCHA35-25A AND -61A

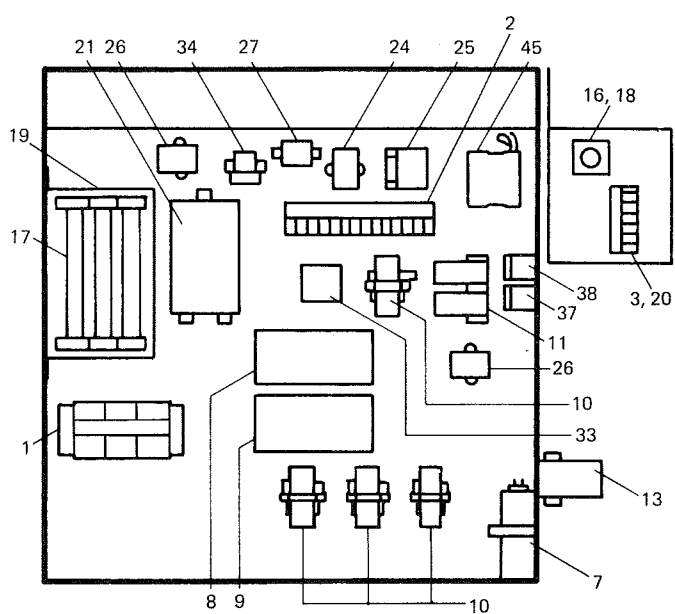


FIG. 3—MAIN CONTROL PANEL, LCHA35-46A, -58A AND -67A

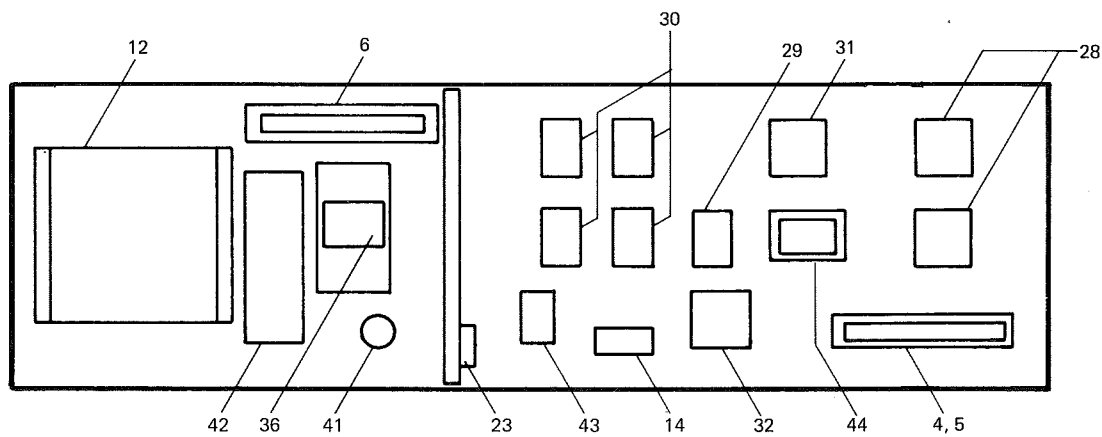


FIG. 4—LCHA35 AUXILIARY CONTROL PANEL

ELECTRICAL COMPONENTS

ITEM NO.	DESCRIPTION	FIG. NO.	PART NUMBER		
			208/230-3-60 ¹	460-3-60 ²	575-3-60
1	Block, Terminal (1TB)	2 & 3	025-12285	025-14657	025-15517
2	Block, Terminal (2TB)	2 & 3	025-17145	025-17145	025-17145
3	Block, Terminal (3TB)	2 & 3	025-10506	025-10506	025-10506
4	Block, Terminal (4TB) 8-Req'd.	4	025-15865	025-15865	025-15865
5	Block, Terminal, End (For Item 4)	4	025-13981	025-13981	025-13981
6	Block, Terminal (5TB)	4	025-16100	025-16100	025-16100
7	Capacitor (1RC thru 4RC) LCHA35-25A (RC) LCHA35-46A and -58A	2 3	024-12331	024-12331	024-12331
8	Contactor (1M)	2 & 3	024-16406-063	024-16406-009	024-16406-009
9	Contactor (2M)	2 & 3	024-16406-057	024-16406-003	024-16406-003
10	Contactor (3M thru 6M) LCHA35-46A and -58A (3M) LCHA35-25A	3 2	024-14520 024-16361	024-14520	024-14520
11	Control, Pressure, Dual (1HP and 1LP)	2 & 3	025-12280	025-12280	025-12280
12	Control, Temperature (TC-2)	4	025-16782-001	025-16782-001	025-16782-001
13	Control, Oil Pressure Switch (OP)	2 & 3	025-17151	025-17151	025-17151
14	Control, Low Pressure (2LP)	4	025-17461	025-17461	025-17461
15*	Compressor (40-Ton)	Not Shown	365-23379-010	365-23379-011	365-23379-012
16	Fuse, 3.2 AMP (5FU)	2 & 3	025-08445	025-08445	025-08445
17	Fuse, 15 AMP (1FU, 2FU & 3FU) 30 AMP (1FU, 2FU & 3FU)	2 & 3 2 & 3	025-04649	025-05741	025-05741
18	Holder, Fuse (For Item 16)	2 & 3	325-06924-014	325-06924-014	325-06924-014
19	Holder, Fuse (For Item 17)	2 & 3	025-05252	025-13947	025-13947
20	Insulation (For Item 3)	2 & 3	025-16981	025-16981	025-16981
21	Module, Compressor Motor Protector (MP)	2 & 3	025-15702-002	025-15702-002	025-15702-002
22	Motor, Condenser Fan	1	024-15489-001	024-15489-002	024-15489-003
23	Outlet, Convenience	4	025-14023	025-14023	025-14023
24	Relay, Control (1R)	2 & 3	024-11533	024-11533	024-11533
25	Relay, Control (2R)	2 & 3	024-11090	024-11090	024-11090
26	Relay, Control (3R & 4R)	2 & 3	024-16920	024-16920	024-16920
27	Relay, Lockout (5R)	2 & 3	024-12066	024-12066	024-12066
28	Relay, Control (8R & 9R)	4	024-11771	024-11771	024-11771
29	Relay, Lockout (10R)	4	024-11953	024-11953	024-11953
30	Relay, Control (12R thru 15R)	4	024-16018	024-16018	024-16018
31	Relay, Control (16R)	4	024-11090	024-11090	024-11090
32	Relay, Control (17R)	4	024-12955	024-12955	024-12955
33	Relay, Time Delay (1TR)	2 & 3	024-16687	024-16687	024-16687
34	Relay, Time Delay (2TR)	2 & 3	024-16672	024-16672	024-16672
35	Sensor (For Item 12)	Not Shown	025-16782-007	025-16782-007	025-16782-007
36	Switch, Toggle (S)	4	366-31963	366-31963	366-31963
37	Thermostat (1TH)	2 & 3	025-15521	025-15521	025-15521
38	Thermostat (2TH)	2 & 3	025-15520	025-15520	025-15520
39	Thermostat, Low Ambient Accessory (3TH)	Not Shown	025-17061	025-17061	025-17061
40*	Thermostat, Discharge Temperature (4TH)	Not Shown	—	—	—
41	Thermostat, Cooler Heater (5TH)	4	025-16790	025-16790	025-16790
42	Thermostat, Outside Ambient, Honeywell (6TH)	4	025-16785	025-16785	025-16785
43	Thermostat, Freeze Control (7TH)	4	025-16791	025-16791	025-16791
44	Timer, Pumpdown (4TR)	4	325-17460-001	325-17460-001	325-17460-001
45	Transformer (75VA)	2 & 3	325-09025-008	325-09025-008	325-09025-008
46	Transformer (2KVA)	Not Shown	—	025-15368	025-16801

* 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).

REFRIGERANT PIPING

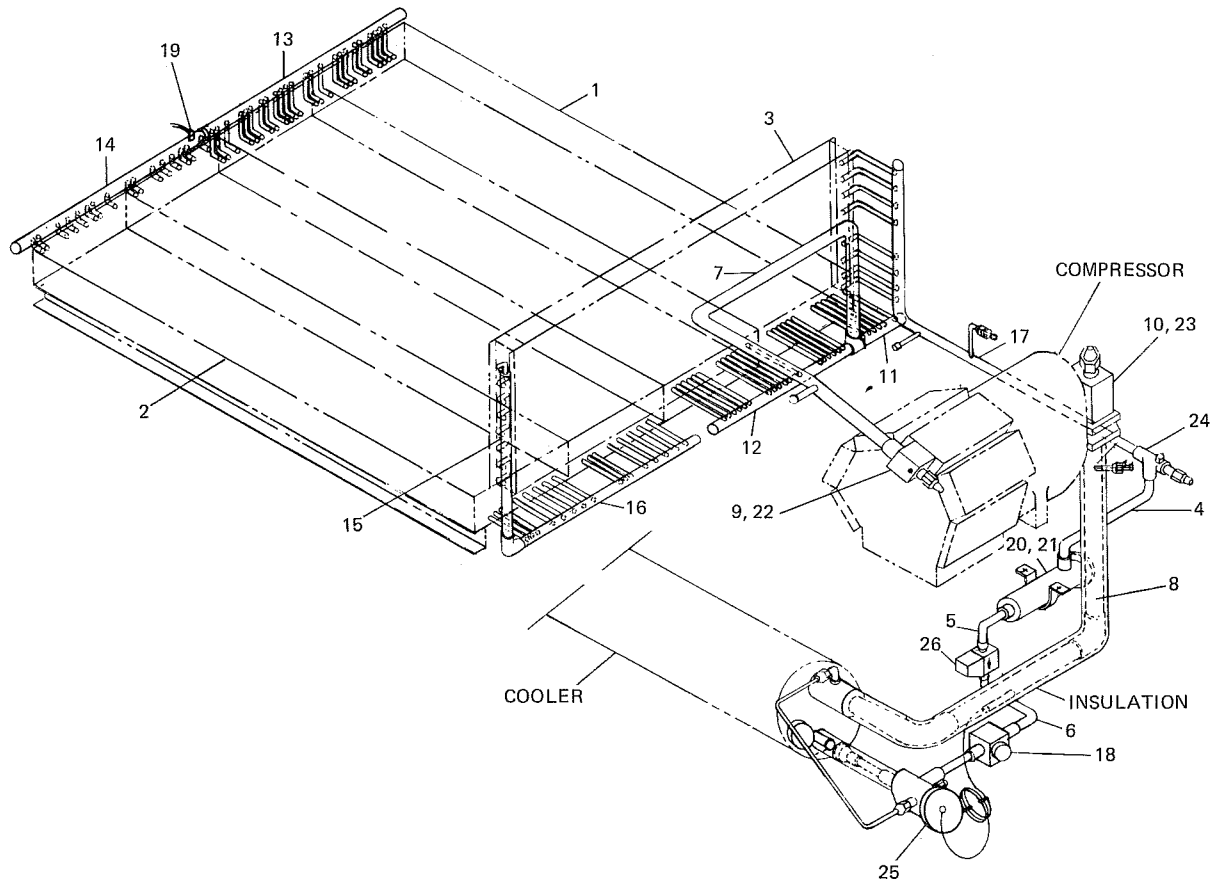


FIG. 5—REFRIGERANT PIPING

ITEM NO.	DESCRIPTION	FIG. NO.	PART NO.
1	Coil, Condenser, R.H.	5	363-21310
2	Coil, Condenser, L.H.	5	363-21311
3	Coil, Condenser, Sub-Cooling	5	363-21309
4	Connection, Liquid Valve to Dehydrator	5	066-33714
5	Connection, Solenoid Valve to Dehydrator	5	066-43084
6	Connection, Solenoid Valve to Moisture Indicator	5	066-43085
7	Connection, Discharge	5	366-33822
8	Connection, Suction	5	066-33873
9	Gasket, Discharge	5	028-00864
10	Gasket, Suction	5	028-00864
11	Header, Discharge, R.H.	5	366-33839
12	Header, Discharge, L.H.	5	366-33843
13	Header, Crossover, R.H.	5	366-33481
14	Header, Crossover, L.H.	5	366-33482
15	Header, Liquid Inlet	5	366-33833
16	Header, Liquid Inlet (Sub-Cooling Coil)	5	366-33837
17	Header, Liquid Discharge	5	366-33841
18	Indicator, Moisture	5	026-14125
19	Sensor, Fan Speed Control (For Low Ambient)	5	225-17108-003
20	Strainer - Drier	5	026-15303
21	Cartridge (For Item 20)	5	026-15304
22	Valve, Discharge	5	022-01393
23	Valve, Suction	5	022-01394
24	Valve, Liquid	5	025-10510
25	Valve, Expansion	5	025-17118
26	Valve, Solenoid, Pumpdown	5	025-17513

REFRIGERANT PIPING

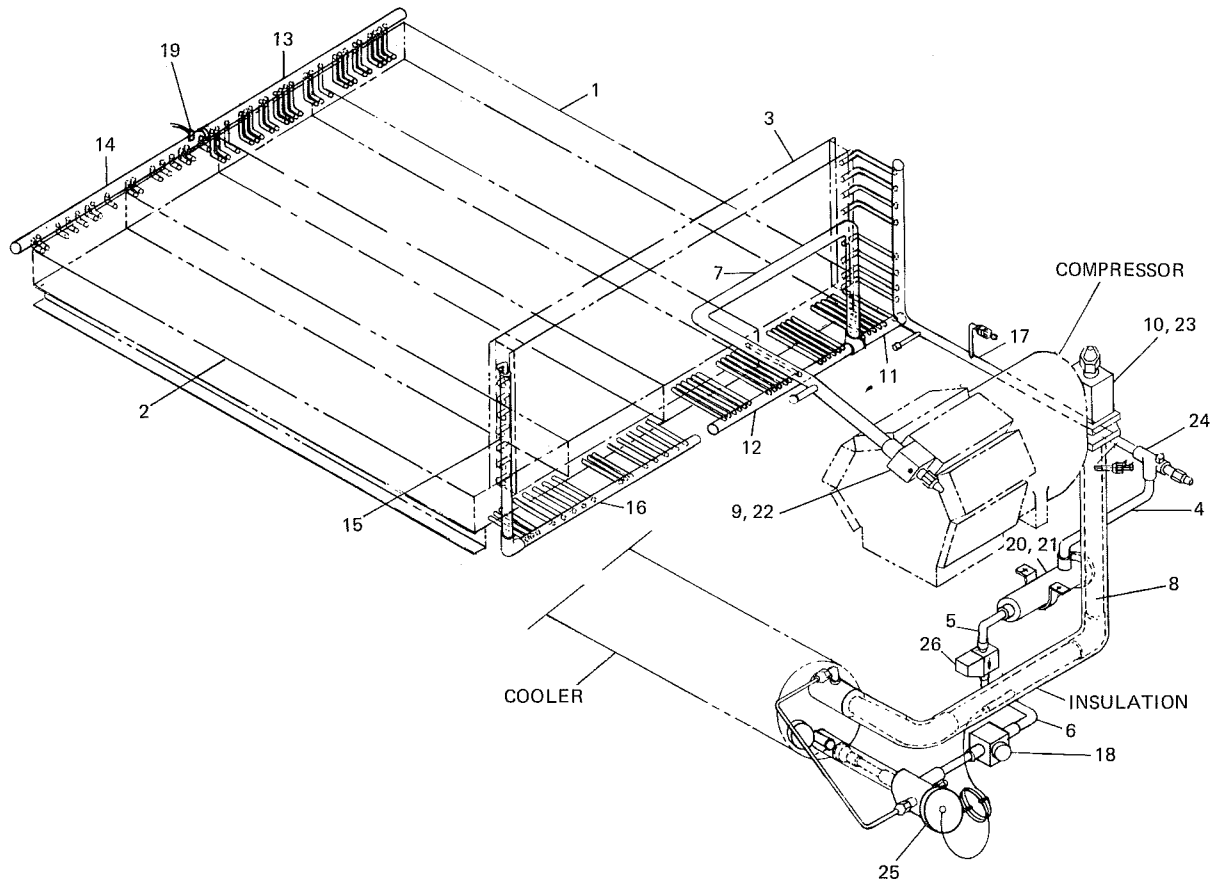


FIG. 5—REFRIGERANT PIPING

ITEM NO.	DESCRIPTION	FIG. NO.	PART NO.
1	Coil, Condenser, R.H.	5	363-21310
2	Coil, Condenser, L.H.	5	363-21311
3	Coil, Condenser, Sub-Cooling	5	363-21309
4	Connection, Liquid Valve to Dehydrator	5	066-33714
5	Connection, Solenoid Valve to Dehydrator	5	066-43084
6	Connection, Solenoid Valve to Moisture Indicator	5	066-43085
7	Connection, Discharge	5	366-33822
8	Connection, Suction	5	066-33873
9	Gasket, Discharge	5	028-00864
10	Gasket, Suction	5	028-00864
11	Header, Discharge, R.H.	5	366-33839
12	Header, Discharge, L.H.	5	366-33843
13	Header, Crossover, R.H.	5	366-33481
14	Header, Crossover, L.H.	5	366-33482
15	Header, Liquid Inlet	5	366-33833
16	Header, Liquid Inlet (Sub-Cooling Coil)	5	366-33837
17	Header, Liquid Discharge	5	366-33841
18	Indicator, Moisture	5	026-14125
19	Sensor, Fan Speed Control (For Low Ambient)	5	225-17108-003
20	Strainer - Drier	5	026-15303
21	Cartridge (For Item 20)	5	026-15304
22	Valve, Discharge	5	022-01393
23	Valve, Suction	5	022-01394
24	Valve, Liquid	5	025-10510
25	Valve, Expansion	5	025-17118
26	Valve, Solenoid, Pumpdown	5	025-17513

COOLER

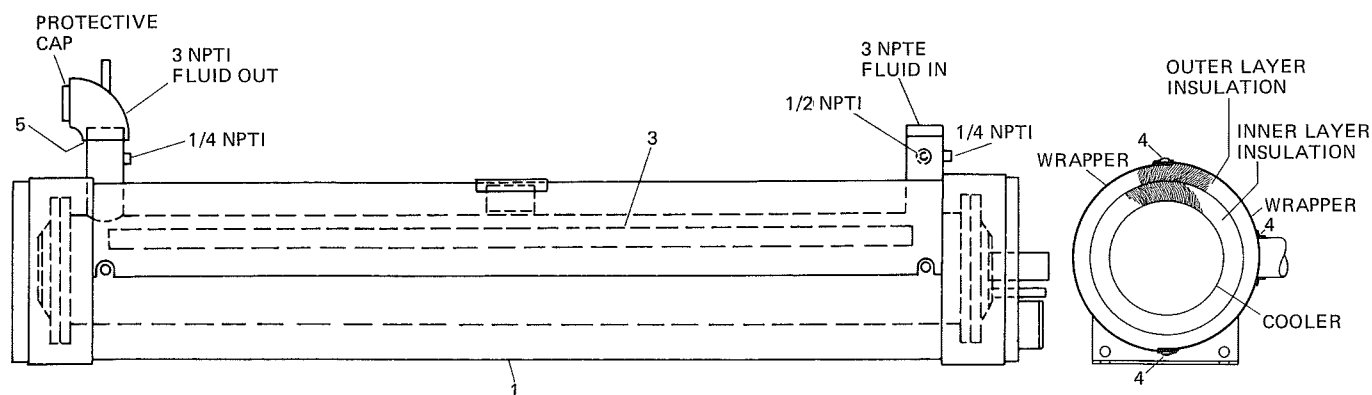


FIG. 6—COOLER

ITEM NO.	DESCRIPTION	FIG. NO.	PART NO.
1	Cooler, Complete Assembly (With Insulation and Metal Wrapper)	6	366-31580
2	Gasket, Cooler (Both Ends)	Not Shown	026-17811
3	Heater, Cooler	6	025-17898
4	Sealer, Butyl Tape	6	013-01961
5	Sealer, Lead Plastic	6	013-01370
6	Switch, Flow (FLS)	Not Shown	024-15793

ACCESSORY PARTS

ITEM NO.	DESCRIPTION	PART NO.
LOW AMBIENT KIT		
1	Kit, Complete (Contains all items listed below)	466-43215
2	Speed Control, Fan (SC) Ranco XE30-28 -	025-17024
3	Thermostat (3TH)	025-17061
4	Harness, Electrical Wiring	366-43020T104
5	Tie Wrap	025-10138
6	Screw, Machine, #8 x 3/4	021-03743
7	Screw, Machine, #8 x 1/2	021-13784
8	Screw, Machine, #8 x 3/8	021-09988
	Lockwasher, #8	021-01133
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
	Valve, Stop, 2-Way (Primore 2869)	022-04302

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