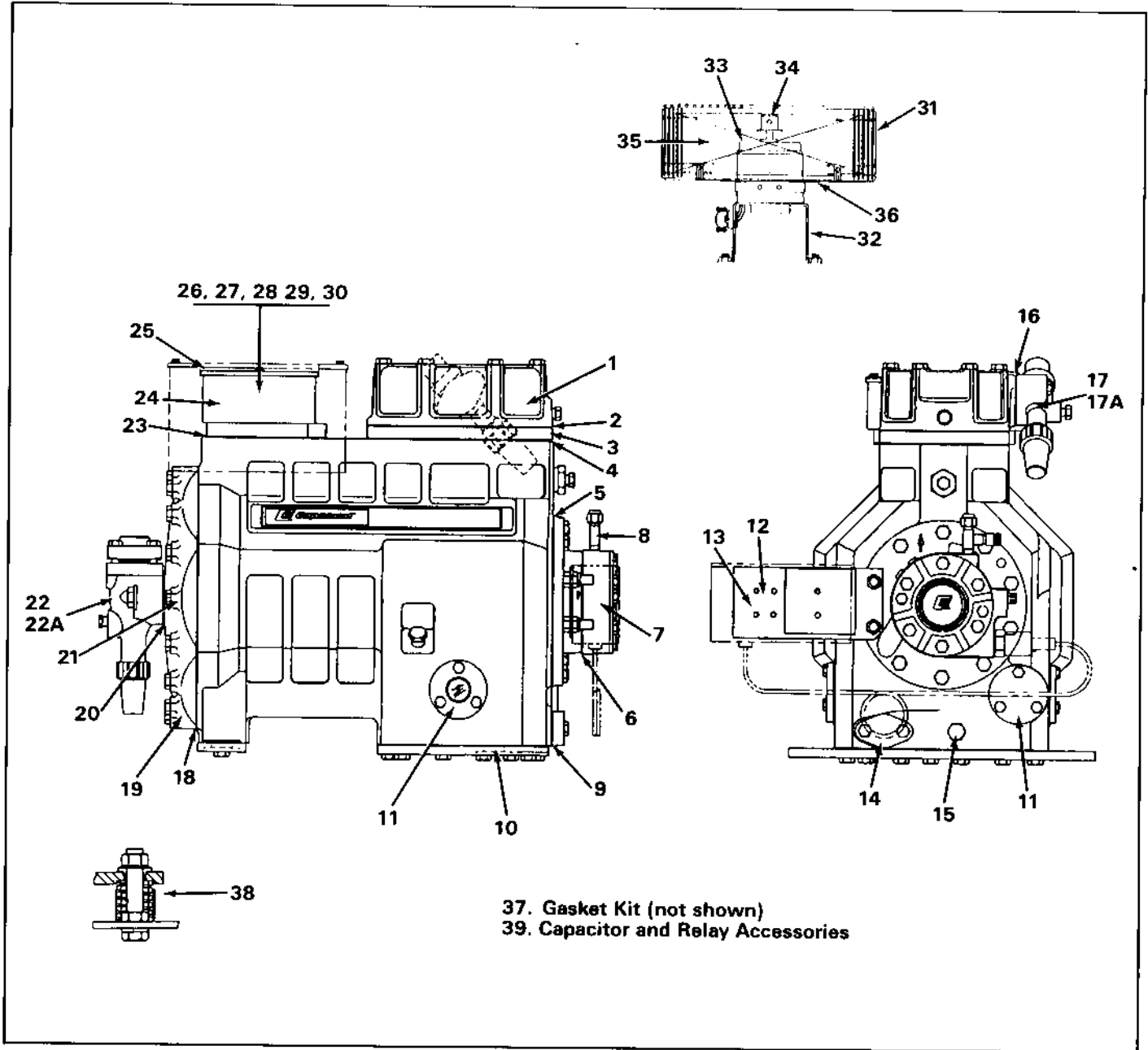
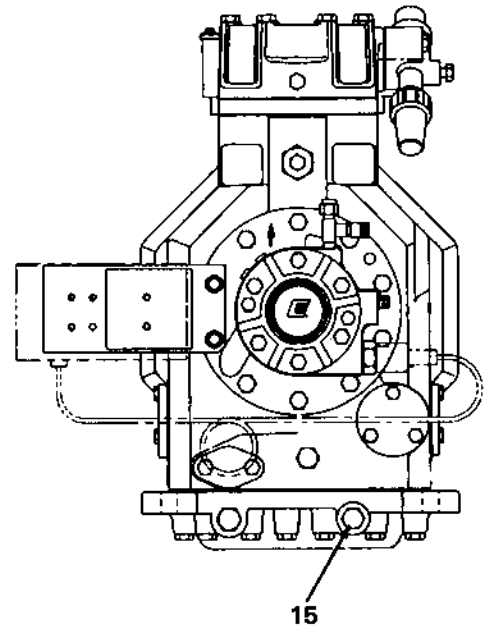
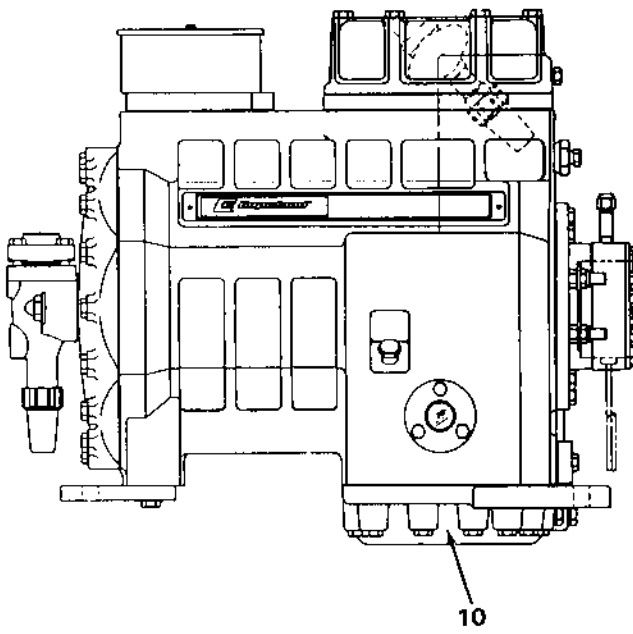


# "2D" SERIES COPELAMETIC<sup>®</sup> COMPRESSOR PARTS LIST

## Outline Drawing with Reference Numbers



## Extended Oil Sump Model



## Field Replacement Parts

Ref. No.	Part Description	Part Number	Model Series
1	Cylinder Head	002-0228-00	All
2	Gasket-Cylinder Head	020-0756-00	All
3	Valve Plate Kit	998-1661-22	2D & 2DB - 6 HP, 2DL - 4 HP
	Valve Plate Kit	998-1661-23	2DC & 2DD - 5 HP, 2DA & 2DL - 7 1/2 HP
	Valve Plate Kit	998-1661-20	2DB - 5 HP,
	Valve Plate Kit <i>(Valve plate kits include valve plate assembly, suction reeds, cylinder head gasket, and valve plate gasket.)</i>	998-1661-21	2DA - 5 HP & 2DF - 3 HP
NOTE: Before installing new gaskets, make sure surfaces are clean and free of material. With refrigeration oil, <b>lightly</b> oil both sides of the gasket. Valve plate gasket cylinder cutout must match cylinder bore.			
4	Gasket-Valve Plate to Body	020-0757-01	2DB & 2DF
	Gasket-Valve Plate to Body	020-0757-03	2DC, 2DD & 2DL
	Gasket-Valve Plate to Body	020-0757-05	2DA
5	Gasket-Housing Cover	020-0104-00	All
6	Gasket-Oil Pump	020-0732-00	All
7	Oil Pump Kit <i>(Kit includes oil pump, gaskets, adapter rings, and bolts.)</i>	998-0008-33	All
8	Oil Pump Schrader Tee	510-0191-00	All
9	Gasket-Bottom Plate	020-0159-00	All
10	Bottom Plate-Standard	003-0099-00	All
	Bottom Plate-Extended Oil Sump <i>(Kit includes sump with screen, gaskets, and bolts. * Indicates various models.)</i>	998-1317-00	2D*8
11	Sight Glass Kit <i>(Kit includes sight glass, gasket, and mounting screws.)</i>	998-0002-02	All
12	Sentronic Oil Pressure Control <i>(Kit includes Sentronic oil pressure control, screws to mount control, oil pressure sensor, and sensor gaskets. Control mounting brackets are supplied on service replacement compressors.)</i>	585-1036-00	All
	Sentronic and Oil Pump Retrofit Kit <i>(Kit includes Sentronic oil pressure control, Part Number 585-1036-00, and oil pump kit Part Number 998-0008-33.)</i>	998-1036-00	All
	Sentronic Oil Pressure Control <i>(Control only, supplied with 41" cable as standard.)</i>	998-0104-00	All
	Sentronic Sensor Kit <i>(Kit includes sensor and gaskets.)</i>	998-0105-00	All
	Sentronic Extension Cable <i>(Cable is 85" long. Standard 41" cable, supplied with Sentronic control, plugs into extension cable, providing 126" overall length.)</i>	029-0208-00	All
	Capillary Tube Oil Pressure Control	085-0062-00	All
13	Mounting Bracket Kit <i>(Control mounting brackets are supplied on service replacement compressors.)</i>	998-0700-07	All
14	Oil Screen <i>(Behind plate)</i> <i>(Oil screen cover plate gasket is Part Number 020-0012-11.)</i>	013-0067-00	All

## Field Replacement Parts

Ref. No.	Part Description	Part Number	Model Series
15	Crankcase Heater (65 Watt) Internal Immersion 120 Volt            518-0001-03 240 Volt            518-0001-02 480 Volt            518-0001-01 600 Volt            518-0001-00  External Bolt On Heaters (65 Watt) 120 Volt            518-0009-00 240 Volt            518-0009-01 480 Volt            518-0009-02 600 Volt            518-0009-03 <i>(Kit includes bolts and installation drawing.)</i>		
16	Gasket-Discharge Valve	020-0012-11	All
17	Discharge Valve-7/8" SWT (2 bolt) <i>(Kit includes valve and gasket. Valve mounting bolts are not included, but can be ordered separately as Part Number 100-0013-19, Quantity - 2.)</i>	998-0510-12	All
17A	Suction and Discharge Valve Kit <i>(Kit includes suction and discharge service valves, gaskets, and valve mounting bolts.)</i>	998-5100-00	All
18	Gasket-Stator Cover	020-0709-00	All
19	Stator Cover-Small Stator Cover-Large	005-0649-00 005-0650-00	2DA & 2DB - 5 HP 2DA - 6 & 7 1/2 HP, 2DB - 6 HP, 2DC, 2DD, 2DF & 2DL
20	Suction Strainer Screen (Internal) Suction Strainer Screen (Internal)	013-0078-01 013-0078-00	2DA & 2DB - 5 HP 2DA - 6 & 7 1/2 HP, 2DB - 6 HP, 2DC, 2DD, 2DF & 2DL
21	Gasket-Suction Valve	020-0012-09	All
22	Suction Valve-1 3/8" SWT (2 bolt) <i>(Kit includes valve and gasket. Valve mounting bolts are not included, but can be ordered separately as Part Number 100-0013-50, Quantity - 2.)</i>	998-0510-11	All
22A	Suction and Discharge Valve Kit <i>(Kit includes suction and discharge service valves, gaskets, and valve mounting bolts.)</i>	998-5100-00	All
23	Gasket-Terminal Plate	020-0146-00	All
24	Terminal Box	062-0058-00	CFB, TFC, TFD & TFE Motor Types
25	Terminal Box Cover	005-0163-00	CFB, TFC, TFD & TFE Motor Types
26	Terminal Plate Assembly <i>(Kit includes plate gaskets, insulator, bolts, and terminal fusite.)</i>	521-0144-00	CFB, TFC, TFD & TFE Motor Types
27	Terminal Fusite	521-0018-00	All
28	Gasket-"O" Ring for Fusite	020-0003-02	All
29	Connector Block	021-0005-00	All

## Field Replacement Parts

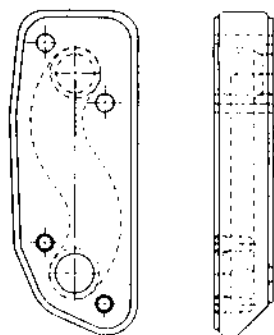
Ref. No.	Part Description	Part Number	Model Series
30	Protectors <i>(CFB, TFC, TFD &amp; TFE motor types have replaceable protectors. Protector kits include protector and terminal plate gasket.)</i>		
	Motor                      Type		
	3 HP                      -CFB (230 VOLT)	998-0087-03	2DF
	-TFC (208/230 VOLT)	998-0429-22	2DF
	-TFD (460 VOLT)	998-0429-23	2DF
	-TFE (575 VOLT)	998-0429-27	2DF
	4 HP                      -CFB (230 VOLT)	998-0429-08	2DL
	-TFC (208/230 VOLT)	998-0429-10	2DL
	-TFD (460 VOLT)	998-0429-23	2DL
	-TFE (575 VOLT)	998-0429-23	2DL
	5 HP                      -CFB (230 VOLT)	998-0087-03	2DA & 2DC
	-TFC (208/230 VOLT)	998-0429-02	2DA & 2DB
	-TFC (208/230 VOLT)	998-0429-13	2DC
	-TFC (208/230 VOLT)	998-0429-24	2DD
	-TFD (460 VOLT)	998-0429-10	2DA, 2DB, 2DC & 2DD
	-TFE (575 VOLT)	998-0429-23	2DA, 2DB, 2DC & 2DD
	6 HP                      -TFC (208/230 VOLT)	998-0429-08	2DA & 2DB
	-TFD (460 VOLT)	998-0429-10	2DA
	-TFD (460 VOLT)	998-0429-05	2DB
	-TFE (575 VOLT)	998-0429-18	2DA
	-TFE (575 VOLT)	998-0429-26	2DB
	7 1/2 HP                -TFC (208/230 VOLT)	998-0429-08	2DA & 2DL
	-TFD (460 VOLT)	998-0429-05	2DA & 2DL
	-TFE (575 VOLT)	998-0429-25	2DA & 2DL
31	Head Cooling Fan Assembly 208/230 VOLT - 50/60 HZ 440 VOLT - 50/60 HZ 115 VOLT - 50/60 HZ <i>(Kit assembly includes fan motor, fan blade, and fan guard. The fan mounting kit must be ordered separately.)</i>	998-0550-00 998-0550-01 998-0550-02	
32	Fan Mounting Kit <i>(Kit includes bracket, spacers, studs, and mounting hardware.)</i>	998-0574-11	
33	Fan Motor 208/230 VOLT - 50/60 HZ 440 VOLT - 50/60 HZ 115 VOLT - 50/60 HZ <i>(Kit includes fan motor mounted to bottom guard. Securing the guard to motor requires special bonding material and correct torque. For this reason, motors are supplied with the guard mounted.)</i>	998-0550-03 998-0550-04 998-0550-05	
34	Fan Blade	083-0118-00	
35	Fan Guard-Top	024-0200-00	
36	Fan Guard-Bottom	Part of Fan Motor Kit. Reference No. 33. <i>(Cannot be ordered separately.)</i>	
37	Gasket Kit <i>(not shown)</i>	998-1669-06	
	NOTE: Before installing new gaskets, make sure surfaces are clean and free of material. With refrigeration oil, <b>lightly</b> oil both sides of the gasket. Valve plate gasket cylinder cutout must match cylinder bore.		
38	Mounting Parts	527-0105-00	All
	Shipping Plates <i>(not shown)</i>		
	Discharge Cover Plate	003-0009-00	All
	Gasket-Discharge Cover Plate	012-0012-10	All
	Suction Cover Plate	003-0055-02	All
	Gasket-Suction Cover Plate	020-0012-09	All

## Field Replacement Parts

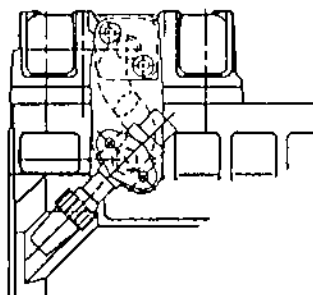
Ref. No.	Part Description	Part Number	Model Series			
39	Capacitor and Relay Accessories					
	Motor	Type	Start Capacitor	Run Capacitor	Relay	Capacitor and Relay Assembly
	3 HP	CFB (230/1/60)	014-0006-09	014-0037-22	040-0001-12	998-1014-11
	5 HP	CFB (230/1/60)	014-0006-09	014-0037-22	040-0001-12	998-1014-11

### DISCHARGE VALVE ADAPTER KIT

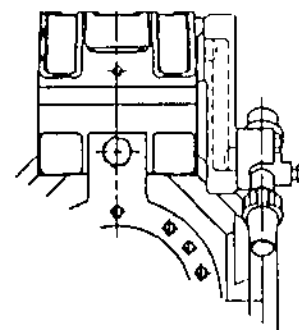
*(Allows "2D" compressors to replace compressors with body discharge without repiping.)*



Adapter Plate



Side View



End View

Kit Part Number 998-0076-00

*(Kit includes adapter plate, gaskets, and bolts to mount adapter plate to cylinder head. Bolt torque is 225 inch pounds.)*

### OPTIONAL OIL SIGHT GLASS LOCATIONS

"2D" models have three sight glass locations. Service compressors will have the sight glass installed on the left side of the compressor when facing the oil pump end. A cover plate is installed on the other two locations.

An extra cover plate gasket, Part Number 020-0678-00, is included with the service valve gaskets provided with each service compressor. When you change sight glass locations, the new cover plate gasket should be used.

### CROSS REFERENCE "MD" MODELS TO "2D" MODELS

"MD" Models	"2D" Models
MDD-0300	2DF3-0300
	2DL3-0400 *
MDA-0500	2DA3-0500
MDB-0500	2DB3-0500
MDC-0500	2DC3-0500
MDD-0500	2DD3-0500
MDA-0600	2DA3-0600
MDB-0600	2DB3-0600
MDA-0750	2DA3-0750
	2DL3-0750 *

\* New model sizes added to the "2D" series.