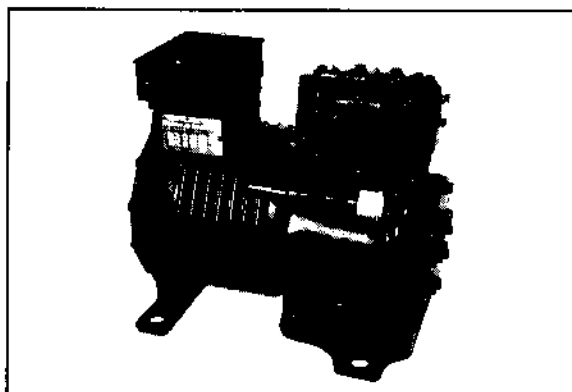




"LA" SERIES COPELAMETIC® COMPRESSOR PARTS LIST



FIELD REPLACEMENT PARTS

Part Description	Part Number	Model Series
Valve Plate Kit	998-0661-37	All
Gasket Kit	998-0669-16	LAH
Gasket Kit	998-0669-18	LAL
Gasket Kit	998-0669-19	LAC, LAM
Gaskets:		
Cylinder Head	020-0611-00	All
Valve Plate to Body	020-0125-00	LAL
Valve Plate to Body	020-0125-02	LAH
Valve Plate to Body	020-0125-04	LAC, LAM
Bottom Plate	020-0159-00	All
Housing Cover	020-0091-00	All
Stator Cover	020-0054-00	All
Terminal Plate Mounting	020-0146-00	All
Terminal Cluster "O" Ring	020-0003-02	All 3 Ø
Cylinder Head	002-0165-00	All
Bottom Plate	003-0099-00	All
Stator Cover	505-0151-00	All
Sight Glass Kit	998-0002-04	All
Oil Flinger	515-0009-00	All
Suction Strainer Screen	013-0038-00	All
Terminal Box	062-0058-00	All
Terminal Box Cover	005-0163-00	All
Terminal Fusite	521-0017-00	All 3 Ø
Terminal Fusite	521-0018-00	All 3 Ø
Connector Block	021-0005-00	All 3 Ø
Terminal Plate Mounting	003-0129-00	All 3 Ø
Terminal Plate Assy.	521-0043-00	All 1 Ø
Terminal Board	580-0010-01	All 1 Ø
Terminal Plate Insulation	064-0082-00	All 1 Ø

COPELAND CORPORATION Product Service

500 Conrad Harcourt Way
Rushville, Indiana, USA 46173-0218
Phone: 317-932-2956

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FORM PS-1158R3
(Supersedes Form PS-1158R2)
May 1, 1984
Printed in USA

ACCESSORIES

ELECTRICAL ACCESSORIES

Compressor Model	Voltage	Protector	Start Capacitor (1 req.)	Run Capacitor (Round) (1 req.)	Relay	Current Style Capacitor and Relay Service Kit
LAC/LAL-0310-CAB	230/1/60	071-0119-01	014-0006-03 (189-227 MFD @ 330 VAC)	014-0037-18 (40 MFD @ 440 VAC)	040-0001-08	998-1014-28
LAH/LAM-0310-CAB	230/1/60	071-0119-01	014-0006-03 (189-227 MFD @ 330 VAC)	014-0037-16 (30 MFD @ 440 VAC)	040-0001-08	998-1014-29
LAC/LAL/LAM-0310-CAS	220/1/50	071-0119-03	014-0006-10 (270-324 MFD @ 330 VAC)	014-0037-17 (35 MFD @ 440 VAC)	040-0001-10	998-1014-37
LAC/LAM-0310-TAC	208/230/3/60	071-0090-01	—	—	—	—
LAH-0310-TAC	208/230/3/60	071-0090-19	—	—	—	—
LAL-0310-TAC	208/230/3/60	071-0090-18	—	—	—	—
LAC/LAH/LAL/LAM-0310-TAD	460/3/60	071-0090-03	—	—	—	—

SUGGESTED SERVICE VALVES

Type	Valve	Size	Gasket
Suction	510-0068-01	1 $\frac{1}{8}$ " Swt	020-0012-11
Discharge	510-0218-01	$\frac{5}{8}$ " FL.	020-0012-10

VERTICAL COOLING FAN ASSEMBLIES

998-0550-00 Fan Motor, Blade & Guard 230V.
 998-0550-01 Fan Motor, Blade & Guard 460V.
 998-0550-02 Fan Motor, Blade & Guard 115V.
 998-0574-00 Fan Mounting Kit

SHIPPING PLATES

(Suction & Discharge)

003-0009-00	Plate
020-0012-10	Gasket

CRANKCASE HEATERS

(External Clamp on Type 65 Watt)

Volts	Part Number
120	018-0007-00
240	018-0007-01
480	018-0007-02

Each heater requires two mounting clips, 032-0091-00 (order separately).

SUCTION VALVE MOUNTING ADAPTER

MODEL	ADAPTER PART NO.	GASKET PART NO.
ALL (except LSG)	034-0031-00	020-0330-00
LSG	034-0011-01	020-0102-00

MOUNTING PARTS

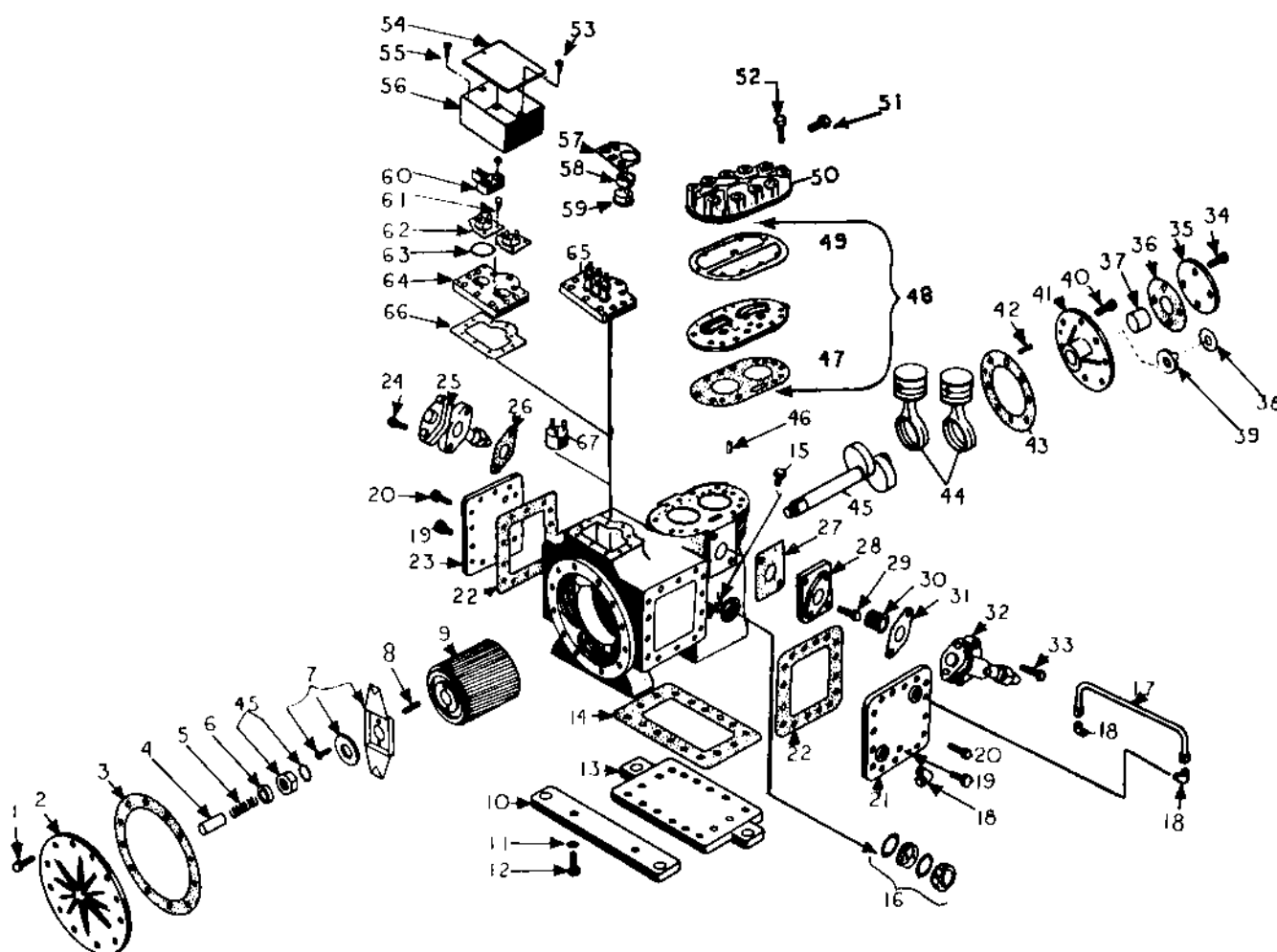
527-0007-00

General Information

For additional information refer to:

- PS-1115 Valve Plate & Gasket Set Listing
- PS-1116 Interchangeability & Conversion
- PS-1072 Capacitor & Relays
- PS-1219 Copelametic Compressor Cross-Reference
- PS-1220 Motor Protector & Vendor Cross-Reference
- PS-1224 Vertical Cooling Fan Assemblies
- PS-1249 Service Valves
- AE-22-1182 Crankcase Heaters

MODEL "LW" SERIES COMPRESSOR



EXPLODED VIEW

COPELAND CORPORATION
Product Service

500 Conrad Harcourt Way
Rushville, Indiana, USA 46173
Phone: 317-932-2956

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Form PS-1157-R1
Sept. 18, 1972

INDEX NO.	PART NO.	DESCRIPTION	NO. REQ'D	MODEL												
				LWC-0310	LWH-0300	LWH-0310	LWL-0300	LWL-0310	LWM-0300	LWM-0310		9A5-0300	9A6-0300	8SG-0300		
		2 7/16" Bore x 1 7/16" Stroke		X												
		2 1/4" Bore x 1 7/16" Stroke			X	X						X				
		2 3/8" Bore x 1 7/16" Stroke					X	X								
		2 7/16" Bore x 1 11/16" Stroke							X	X						
1	100-0013-31	Bolt - Stator Cover	12	X	X	X	X	X	X	X		X	X	X		
2	005-0342-00	Stator Cover	1	X	X	X	X	X	X	X						
2	005-0042-00	Stator Cover	1									X	X	X		
3	020-0054-00	Gasket - Stator Cover	1	X	X	X	X	X	X	X		X	X	X		
4	028-0007-02	Oil Tube	1	X	X	X	X	X	X	X		X	X	X		
5	006-0023-00	Thrust Spring	1	X	X	X	X	X	X	X		X	X	X		
6	102-0016-00	Thrust Washer	1	X	X	X	X	X	X	X		X	X	X		
7	515-0009-00	Balance Wt. & Oil Flinger Assy	1	X	X	X	X	X	X	X						
7	515-0001-00	Balance Wt. & Oil Flinger Assy	1									X	X	X		
8	075-0003-02	Crankshaft Key	1	X	X	X	X	X	X	X		X	X	X		
9	ND	Rotor	1	X	X	X	X	X	X	X		X	X	X		
10	003-0060-00	Comp. Mtg. Foot	1	X	X	X	X	X	X	X		X	X	X		
11	102-0010-08	Lockwasher	2	X	X	X	X	X	X	X		X	X	X		
12	100-0013-30	Bolt - Comp. Ft. & Bottom Plate	19	X	X	X	X	X	X	X						
12	100-0013-31	Bolt - Comp. Ft. & Bottom Plate	19									X	X	X		
13	003-0099-00	Bottom Plate	1	X	X	X	X	X	X	X		X	X	X		
14	020-0159-00	Gasket - Bottom Plate	1	X	X	X	X	X	X	X		X	X	X		
15	538-0002-00	Pipe Plug & Seal Assy	1	X	X	X	X	X	X	X		X	X	X		
16	998-0002-04	Sight Glass Assy	1	X	X	X	X	X	X	X						
16	998-0002-03	Sight Glass Assy	1									X	X	X		
17	528-0072-01	Water Jacket Tube Assy	1	X	X	X	X	X	X	X		X	X	X		
18	038-0002-12	Water Jacket Tube Elbow	4	X	X	X	X	X	X	X		X	X	X		

INDEX NO.	PART NO.	DESCRIPTION	NO. REQ'D	MODEL												
				LWC-0310	LWH-0300	LWH-0310	LWL-0300	LWL-0310	LWM-0300	LWM-0310		9A5-0300	9A6-0300	9SG-0300		
19	036-0008-00	Water Jacket Cover Plug R&LH	2	X	X	X	X	X	X	X		X	X	X		
20	100-0013-12	Bolt - Water Jacket	28	X	X	X	X	X	X	X		X	X	X		
21	503-0023-00	Cover Plate & Spud Assy R.H.	1	X	X	X	X	X	X	X		X	X	X		
22	020-0126-00	Gasket - Water Jacket Cover	2	X	X	X	X	X	X	X		X	X	X		
23	503-0024-00	Cover Plate & Spud Assy L.H.	1	X	X	X	X	X	X	X		X	X	X		
24	100-0013-13	Bolt - Discharge Valve	2	X	X	X		X	X	X						
24	100-0013-19	Bolt - Discharge Valve	2				X									
24	100-0013-17	Bolt - Discharge Valve	2									X	X	X		
25	ND	Discharge Shut-Off Valve	1	X	X	X	X	X	X	X		X	X	X		
26	020-0012-00	Gasket-Discharge Valve	1	X	X	X	X	X	X	X						
26	020-0012-01	Gasket-Discharge Valve	1									X	X	X		
27	020-0102-00	Gasket-Adapter	1	X	X	X	X	X	X	X		X	X	X		
28	034-0011-01	Adapter-Suction Valve	1									X	X	X		
28	034-0011-00	Adapter-Suction Valve	1	X	X	X	X	X	X	X						
29	100-0013-47	Bolt-Adapter	2	X	X	X	X	X	X	X						
29	100-0013-49	Bolt-Adapter	2									X	X	X		
30	013-0010-00	Screen-Suction Strainer	1	X		X		X		X		X	X	X		
30	013-0024-00	Screen-Suction Strainer	1		X		X	X	X	X						
31	020-0012-01	Gasket-Suction Valve	1									X	X	X		
31	020-0012-02	Gasket-Suction Valve	1	X	X	X	X	X	X	X						
32	ND	Suction Shut-Off Valve	1	X	X	X	X	X	X	X		X	X	X		
33	100-0013-19	Bolt-Suction Shut-Off Valve	2						X			X	X	X		
33	100-0013-54	Bolt-Suction Shut-Off Valve	2	X	X	X	X	X		X						
34	100-0013-12	Bolt-Bearing Cover Plate	4	X	X	X	X	X	X	X		X	X	X		
35	003-0004-01	Rear Bearing Cover Plate	1	X	X	X	X	X	X	X		X	X	X		
36	020-0004-00	Gasket-Bearing Cover Plate	1	X	X	X	X	X	X	X		X	X	X		
37	035-0025-00	Thrust Plug	1	X	X	X	X	X	X	X		X	X	X		

INDEX NO.	PART NO.	DESCRIPTION	NO. REQ'D	MODEL														
				LWC-0310	LWH-0300	LWH-0310	LWL-0300	LWL-0310	LWM-0300	LWM-0310		9A5-0300	9A6-0300	9SG-0300				
38	006-0010-00	Thrust Crimp Spring	1	X	X	X	X	X	X	X		X	X	X				
39	102-0013-01	Thrust Bumper Retainer	1	X	X	X	X	X	X	X		X	X	X				
40	100-0013-30	Bolt-Housing Cover To Body	8	X	X	X	X	X	X	X		X	X	X				
41	ND	Cover-Housing (not sold separately)	1															
42	011-0006-03	Pin-Housing Cover Dowel	1	X	X	X	X	X	X	X		X	X	X				
43	020-0091-00	Gasket-Housing Cover	1	X	X	X	X	X	X	X		X	X	X				
44	504-0001-26	Piston, Pin and Rod Assy	2	X														
44	504-0001-01	Piston, Pin and Rod Assy	2		X	X						X						
44	504-0001-02	Piston, Pin and Rod Assy	2				X	X					X					
44	504-0001-05	Piston, Pin and Rod Assy	2						X	X					X			
45	998-0715-00	Crankshaft Kit	1	X	X	X	X	X				X	X					
45	998-0716-00	Crankshaft Kit	1						X	X					X			
46	011-0030-02	Pin-Valve Plate To Body Dowel	2	X	X	X	X	X	X	X		X	X	X				
46	011-0001-00	Pin-Valve Plate To Body Dowel	2												X			
47	020-0125-04	Gasket - V.P. to Body	1	X					X	X					X			
47	020-0125-02	Gasket - V.P. to Body	1		X	X						X						
47	020-0125-00	Gasket - V.P. to Body	1				X	X					X					
47	020-0125-06	Gasket - V.P. to Body	1												X			
47	020-0125-05	Gasket - V.P. to Body (440 Only)	1									X						
47	020-0125-07	Gasket - V.P. to Body (3 1/2 Only)	1										X					
48	998-0661-37	Valve Plate Kit	1	X	X	X	X	X	X	X		X	X	X				
49	020-0089-00	Gasket-Cylinder Head	1	X	X	X	X	X	X	X		X	X	X				
50	002-0017-00	Cylinder Head	1	X	X	X	X	X	X	X		X	X	X				
51	036-0008-02	High and Low Pressure Plug	2	X	X	X	X	X	X	X		X	X	X				
52	100-0013-38	Bolt-Cylinder Head	9	X	X	X	X	X	X	X		X	X	X				
53	100-0052-00	Screw-Terminal Box Cover	2	X	X	X	X	X	X	X		X	X	X				
53	100-0027-01	Screw-Terminal Box Cover	2									X	X	X				

INDEX NO.	PART NO.	DESCRIPTION	NO. REQ'D	MODEL												
				LWC-0310	LWH-0300	LWH-0310	LWL-0300	LWL-0310	LWM-0300	LWM-0310		9A5-0300	9A6-0300		9SG-0300	
54	005-0163-00	Terminal Box Cover	1	X	X	X	X	X	X	X						
54	005-0056-00	Terminal Box Cover	1									X	X		X	
54	005-0065-00	Terminal Box Cover (3 Ø Only)	1									X	X		X	
55	100-0063-02	Screw and Lockwasher	4	X	X	X	X	X	X	X		X	X		X	
56	062-0058-00	Terminal Box	1	X	X	X	X	X	X	X						
56	062-0016-00	Terminal Box	1									X	X		X	
57	580-0010-01	Terminal Board Assy	1	X	X	X	X	X	X	X		X	X		X	
58	064-0012-01	Overload Sleeve	1	X	X	X	X	X	X	X		X	X		X	
59	ND	Protector	1	X	X	X	X	X	X	X		X	X		X	
60	021-0005-00	Block Connector (3 Ø Only)	1	X	X	X	X	X	X	X		X	X		X	
61	100-0019-05	Screw - Fusite Mtg.	3	X	X	X	X	X	X	X		X	X		X	
62	521-0017-00	Fusite (3 Ø Only)	1	X	X	X	X	X	X	X		X	X		X	
62	521-0018-00	Fusite (3 Ø Only)	1	X	X	X	X	X	X	X		X	X		X	
63	020-0003-02	"O" Ring	2	X	X	X	X	X	X	X		X	X		X	
64	003-0129-00	Terminal Mt. Plate	1	X	X	X	X	X	X	X		X	X		X	
65	521-0001-00	Terminal Stud Assy.	1									X	X		X	
65	521-0043-00	Terminal Stud and Insulator Assy	1	X	X	X	X	X	X	X						
66	020-0146-00	Gasket, Terminal Mt. Plate	1	X	X	X	X	X	X	X		X	X		X	
67	ND	Protector	1	X	X	X	X	X	X	X		X	X		X	

NOTES:

- Gasket Set 998-0669-33 is used on models 9A5 and LWH.
Gasket Set 998-0669-34 is used on models 9A6 and LWL.
Gasket Set 998-0669-38 is used on models 9SG, LWC, and LWM.
- ND - in part no. column, Signifies that the part must be ordered by giving complete compressor data; such as model, H.P., electrical characteristics etc.