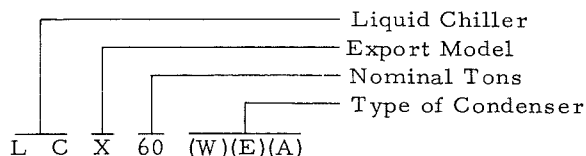


see page 2

PACKAGED LIQUID CHILLERS

MODELS LC50W, 50E, 50A THRU LC100W, 100E, 100A AND MODELS LCX40W, 40E, 40A THRU LCX85W, 85E, 85A REFRIGERANT — 22

NOMENCLATURE



- W - Water cooled condenser model
- E - Condenserless model for remote water cooled or evaporative condenser using motor from water cooled model.
- A - Condenserless model for remote air cooled condenser using a larger motor than the W and E Models.

TABLE 1 — G-SERIES V/W SINGLE STAGE COMPRESSORS USED ON MODEL LC CHILLERS

Description	LCX40 (W)(E)(A)	LC50 (W)(E)(A)	LCX50 (W)(E)(A)	LC60 (W)(E)(A)	LCX60 (W)(E)(A)	LC70 (W)(E)(A)	LCX75 (W)(E)(A)	LCX85 (W)(E)(A)	LC100 (W)(E)(A)
Compr. Bore X Stroke (Inches)	3-3/4 X 3	3-3/4 X 3	3-3/4 X 3	3-3/4 X 3	3-3/4 X 3	3-3/4 X 3	3-3/4 X 2.8*	3-3/4 X 3	3-3/4 X 3
No. of Cyl. (Standard Compr.)	4	4	6	6	6	6	8	8	8
No. of Active Cylinders	4	4	5 **	5 **	6	6	8	8	8

* Special compressor for 2.8 in. stroke. All parts are the same as standard 8 cyl. compressor except:

Crankshaft - Part No. 064-22590

Compressor Housing - Part No. 064-22593

Discharge valve cage hold down plate spacer - Part No. 064-22596

** Suction valve removed from one cylinder.

TABLE 2— COUPLINGS USED ON MODEL LC CHILLERS

Description	Part No.			
Motor Hub Bore	1-1/2 (Rough)	1-7/8	2-1/8	2-3/8
Coupling, Complete	029-11641-007	029-11641-003	029-11641-005	029-11641-006
Motor Hub	064-03319	064-03321	064-03322	064-03323
Compressor Hub	029-04785	029-04785	029-04785	029-04785
Flexible Disc. Assembly*	029-04787	029-04787	029-04787	029-04787

*Complete with center fill piece, laminated discs, beveled washers, bolts, nuts and lockwashers.

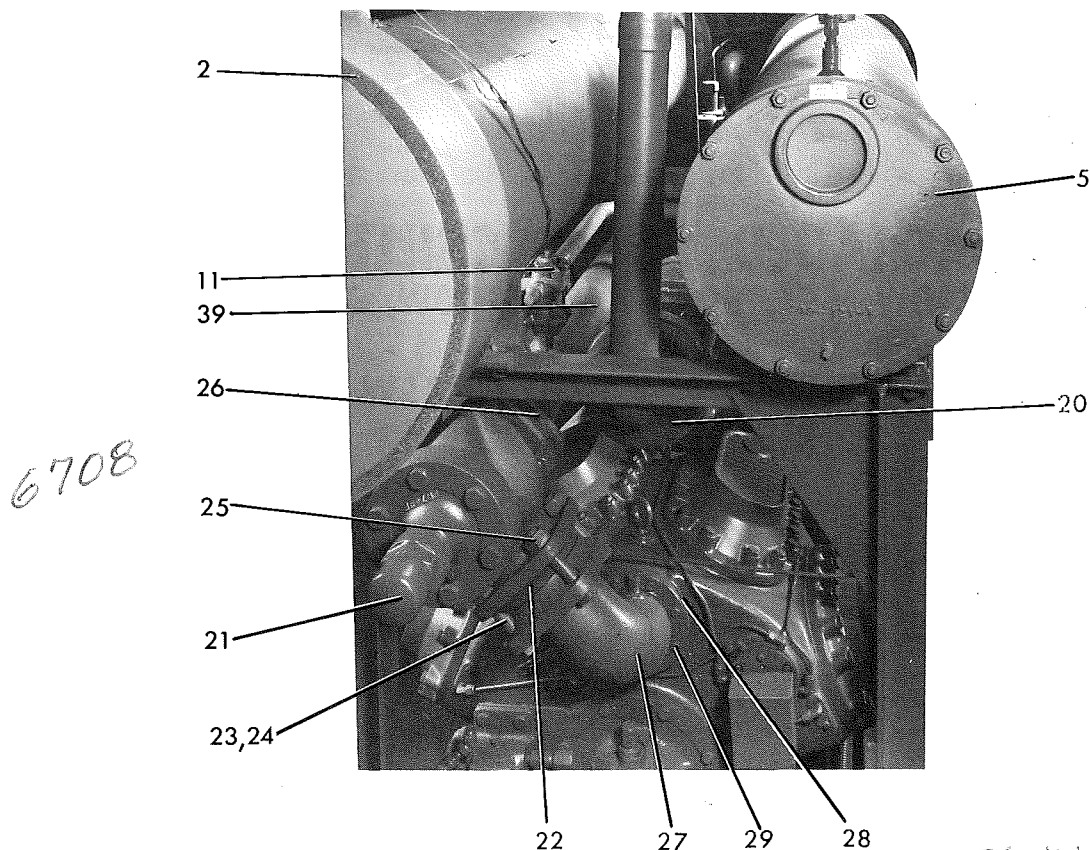
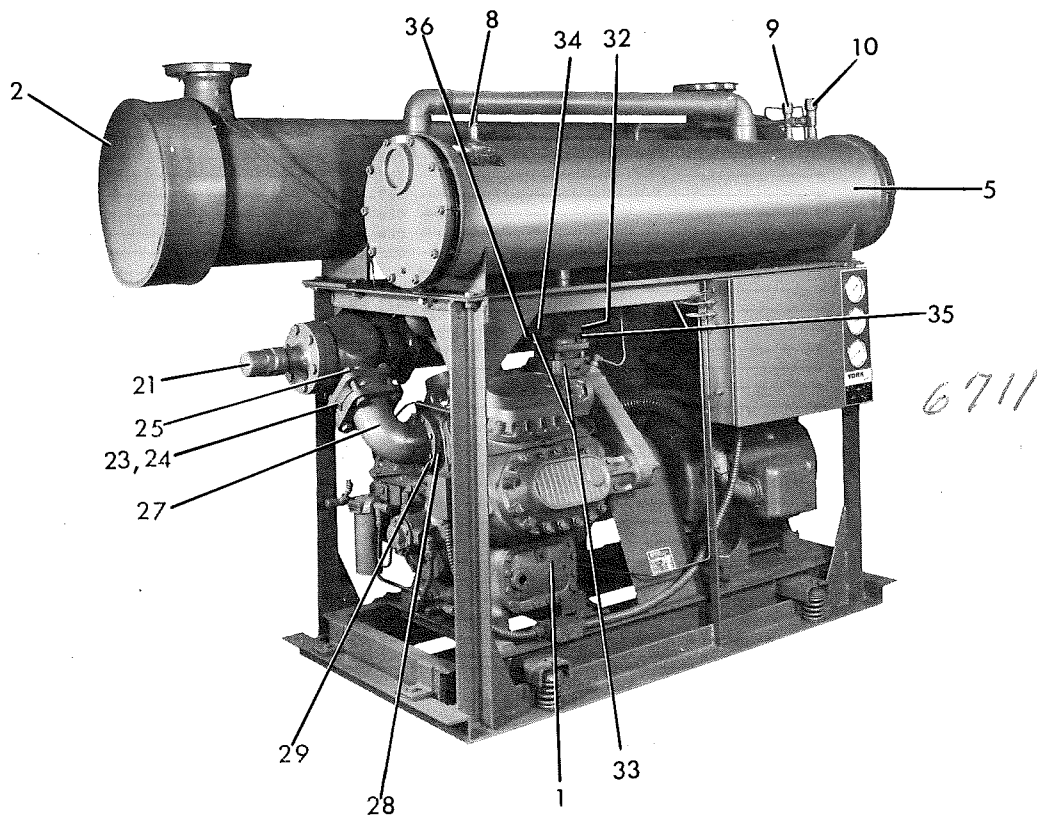
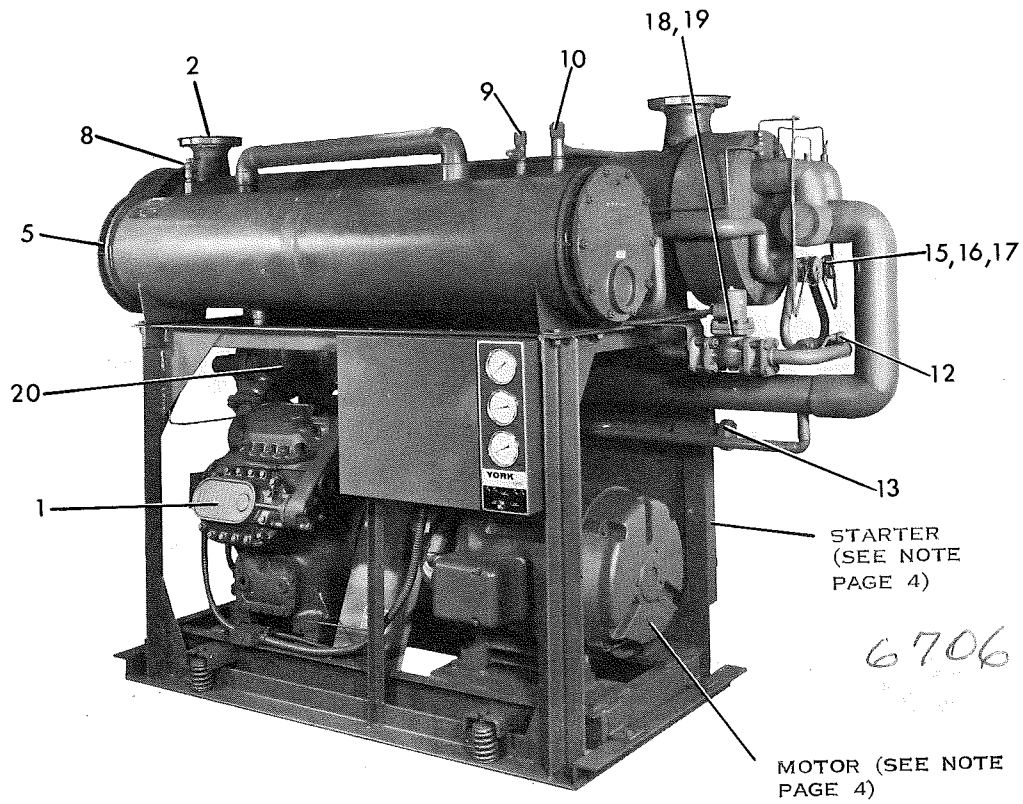


TABLE 3— REFRIGERATION CIRCUIT COMPONENTS

Item No.	Description	Part No.								
		LCX40 (W)(E)(A)	LC50 (W)(E)(A)	LCX50 (W)(E)(A)	LC60 (W)(E)(A)	LCX60 (W)(E)(A)	LC70 (W)(E)(A)	LCX75 (W)(E)(A)	LCX85 (W)(E)(A)	LC100 (W)(E)(A)
1	Compressor	For all Compressor Parts, including capacity control motor, refer to Renewal Parts Form 180.21-RP (Except LCX75, refer to Table 1 of this Parts List)								
	Replacement Compressor	364-24797	364-24797	364-28115	364-28115	364-24800	364-24800	364-28116	364-24803	364-24803
2	Cooler	026-13994	026-13994	026-13994	026-13993	026-13993	026-13992	026-13992	026-14185	026-14185
3 *	Tube, Cooler (Standard)	026-16144	026-16144	026-16144	026-16145	026-16145	026-16145	026-16145	026-16146	026-16146
	Number Required	214	214	214	214	214	254	254	334	334
4 *	Gasket, Cooler (2-Reqd.)	026-16141	026-16141	026-16141	026-16142	026-16142	026-16143	026-16143	026-16143	026-16143
5	Condenser (W)	367-40220	367-40220	367-40220	367-40221	367-40221	367-40222	367-40222	367-40223	367-40223
6 *	Tube Condenser	007-02564	007-02564	007-02564	007-02564	007-02564	007-02564	007-02564	007-02564	007-02564
	Number Required	88	88	88	102	102	129	129	172	172
7 *	Gasket (2-Reqd.)	067-40177	067-40177	067-40177	067-40178	067-40178	067-40179	067-40179	067-40180	067-40180
8	Valve, Cond. Relief	022-01887	022-01887	022-01887	022-01887	022-01887	022-01887	022-01887	022-01887	022-01887
9	Valve, Purge	368-00005	368-00005	368-00005	368-00005	368-00005	368-00005	368-00005	368-00005	368-00005
10	Valve, Stop, For Load Minder	368-00007	368-00007	368-00007	368-00007	368-00007	368-00007	368-00007	368-00007	368-00007
11	Valve, Liquid Stop	022-01359	022-01359	022-01359	022-01359	022-01359	022-01359	022-01359	022-01152	022-01152
12	Indicator, Moisture	026-14162	026-14162	026-14162	026-14162	026-14162	026-14162	026-14162	026-14162	026-14162
13	Strainer, Liquid	029-08656	029-08656	029-08656	029-08656	029-08656	029-08656	029-08656	029-08656	029-08656
14 *	Gasket, Liquid Strainer	028-08289	028-08289	028-08289	028-08289	028-08289	028-08289	028-08289	028-08289	028-08289
15	Thermal Expansion Valve	025-13906	025-13906	025-13906	025-13907	025-13907	025-13908	025-13908	025-13907	025-13907
	Number Required	1	1	1	1	1	1	1	2	2
16	Power Assy., TXV	025-15823	025-15823	025-15823	025-15823	025-15823	025-15823	025-15823	025-15823	025-15823
17	Cage, TXV	025-13407	025-13407	025-13407	025-15825	025-15825	025-15826	025-15826	025-15825	025-15825
	Number Required	1	1	1	1	1	1	1	2	2
18	Valve Solenoid (Body Less Coil)	025-13943	025-13943	025-13943	025-13943	025-13943	025-13944	025-13944	025-13942	025-13942
19	Coil, Solenoid Valve	025-14055	025-13405	025-14055	025-13405	025-14055	025-13405	025-14055	025-14055	025-13405
20	Muffler, Discharge	367-83130	367-83130	367-83130	367-83130	367-83128	367-83128	367-83172	367-83172	367-83172
21	Valve, Stop, Suction	368-00406	368-00406	368-00406	368-00406	368-00406	368-00406	368-00408	368-00408	368-00408
22	Gasket, Valve (2-Reqd.)	028-00869	028-00869	028-00869	028-00869	028-00869	028-00869	028-00876	028-00876	028-00876
23	Cap Scr. 4-1/2" Lg. (4 or 8-Reqd.)	021-02770	021-02770	021-02770	021-02770	021-02770	021-02770	021-08397	021-08397	021-08397
24	Cap Scr. 4-3/4" Lg. (4-Reqd.)	—	—	021-05586	021-05586	021-05586	021-05586	—	—	—
25	Hex Nut (8-Reqd.)	021-00504	021-00504	021-00504	021-00504	021-00504	021-00504	021-00513	021-00513	021-00513
26	Flange, Adapter	368-09596	368-09596	368-09596	368-09596	368-09596	368-09596	368-09604	368-09499	368-09499
27	Elbow, Suction	064-22823	064-22823	064-00752	064-00752	064-00752	064-00752	064-00470	064-00470	064-00470
28	Gasket, Elbow	028-00875	028-00875	028-00875	028-00875	028-00875	028-00875	028-00875	028-00875	028-00875
29	Cap Scr. 3/8" X 1-1/2 Lg. (8-Reqd.)	021-08338	021-08338	021-08338	021-08338	021-08338	021-08338	021-08338	021-08338	021-08338
30 *	Packing, Suction Valve	028-01090	028-01090	028-01090	028-01090	028-01090	028-01090	028-07740	028-07740	028-07740
	Number Required	2	2	2	2	2	2	3	3	3
31 *	Gasket, Valve Cap, Suction	028-07737	028-07737	028-07737	028-07737	028-07737	028-07737	028-07739	028-07739	028-07739
32	Valve, Stop, Discharge	368-00405	368-00405	368-00405	368-00405	368-00405	368-00405	368-00406	368-00406	368-00406
33	Gasket, Valve (2-Reqd.)	028-00867	028-00867	028-00867	028-00867	028-00867	028-00867	028-00869	028-00869	028-00869
34	Cap Screw (4-Reqd.)	021-10461	021-10461	021-10461	021-10461	021-10461	021-10461	021-02770	021-02770	021-02770
35	Hex Nut (8-Reqd.)	021-00504	021-00504	021-00504	021-00504	021-00504	021-00504	021-00504	021-00504	021-00504
36	Flange, Adapter	023-02307	023-02307	023-02307	023-02307	023-02307	023-02307	368-09603	023-02311	023-02311
37 *	Packing, Disch. Valve (2-Reqd.)	028-01090	028-01090	028-01090	028-01090	028-01090	028-01090	028-01090	028-01090	028-01090
38 *	Gasket, Valve Cap, Disch.	028-07738	028-07738	028-07738	028-07738	028-07738	028-07738	028-07737	028-07737	028-07737
39	Heat Exchanger	367-77249	367-77249	367-77249	367-77250	367-77250	367-77250	367-77250	367-78574	367-78574

* Not Shown.

YORK DIVISION BORG-WARNER
PACKAGED LIQUID CHILLERS
MODEL LCX40 THRU LC100 FORM 150.30-RP



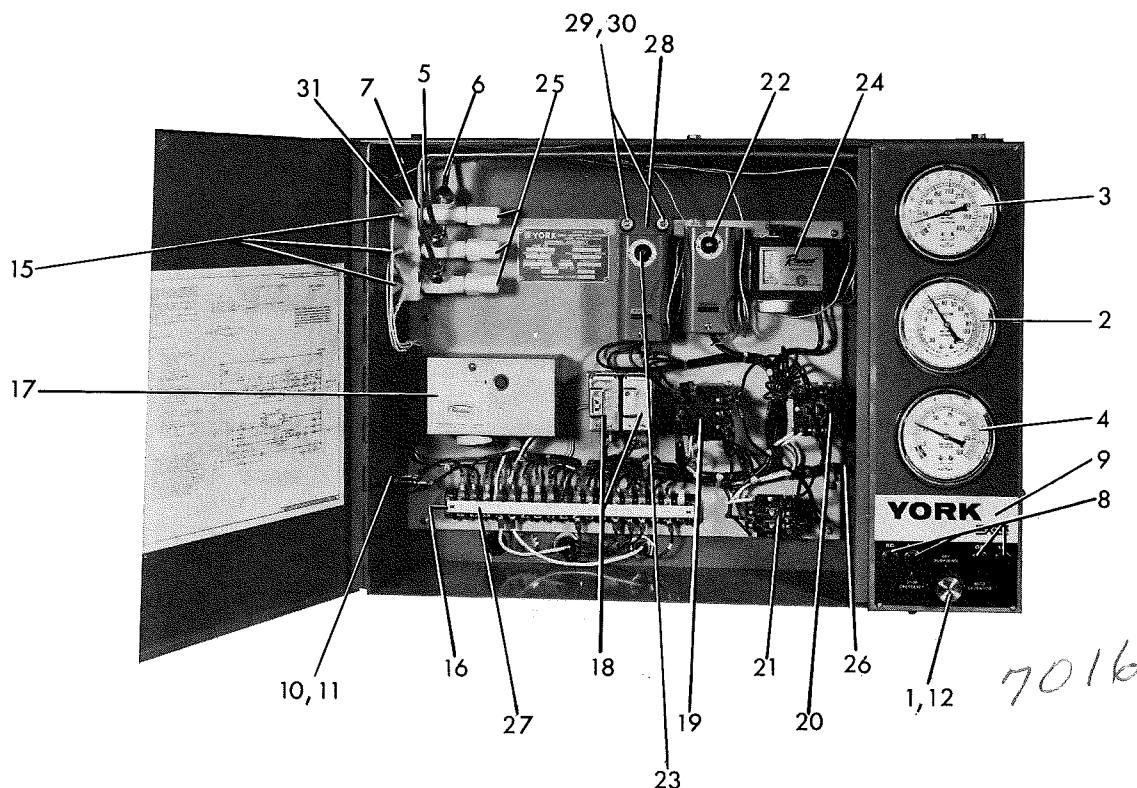


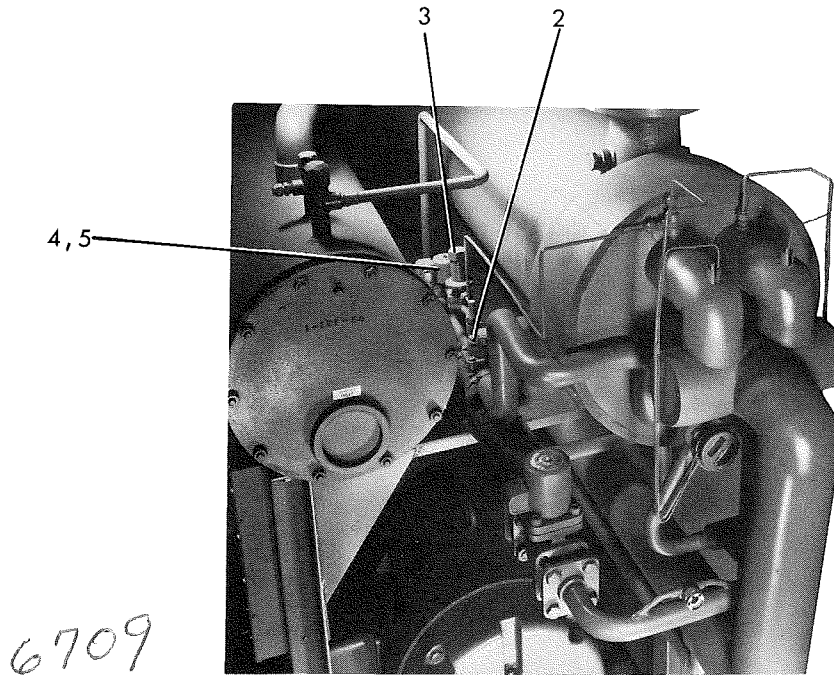
TABLE 4— CONTROL PANEL

Item No.	Description	Part No.									
		LCX40 (W)(E)(A)	LC50 (W)(E)(A)	LCX50 (W)(E)(A)	LC60 (W)(E)(A)	LCX60 (W)(E)(A)	LC70 (W)(E)(A)	LCX75 (W)(E)(A)	LCX85 (W)(E)(A)	LC100 (W)(E)(A)	
1	Manual (On-Off-Stop) Switch	←	←	←	←	024-13272	←	←	←	←	→
2	Suction Pressure Gauge	←	←	←	←	026-14295	←	←	←	←	→
3	Discharge Pressure Gauge	←	←	←	←	026-14294	←	←	←	←	→
4	Oil Pressure Gauge	←	←	←	←	026-14296	←	←	←	←	→
5	Suction Gauge Conn.	←	←	←	←	367-78609	←	←	←	←	→
6	Discharge Gauge Conn.	←	←	←	←	367-78613	←	←	←	←	→
7	Oil Gauge Conn.	←	←	←	←	367-78611	←	←	←	←	→
8	Indicator Light	←	←	←	←	025-13551	←	←	←	←	→
9	Decorative Panel	←	←	←	←	026-14292	←	←	←	←	→
10	Fuse Holder	←	←	←	←	025-13991	←	←	←	←	→
11	Fuse	←	←	←	←	025-14019	←	←	←	←	→
12	Knob (On-Off-Stop) Switch	←	←	←	←	362-68410	←	←	←	←	→
13 *	Lock and Key	←	←	←	←	029-07382	←	←	←	←	→
14 *	Key Only	←	←	←	←	029-10876	←	←	←	←	→
15	1/4 Flare Union	←	←	←	←	064-04312	←	←	←	←	→
16	Terminal Block	←	←	←	←	025-14017	←	←	←	←	→
17	Oil Failure Switch (OPA & B)	←	←	←	←	025-05783	←	←	←	←	→
18	HP & LP Pressure Cut-out	←	←	←	←	025-09830**	←	←	←	←	→
19	1-R Control Relay	←	←	←	←	024-11784	←	←	←	←	→
20	2-R Control Relay	←	←	←	←	024-11655	←	←	←	←	→
21	3-R Control Relay	←	←	←	←	024-11655	←	←	←	←	→
22	SC Freeze Control	←	←	←	←	025-13888	←	←	←	←	→
23	1-THS Capacity Control Thermo.	←	←	←	←	025-13992	←	←	←	←	→
24	2-THS Low Temp. Thermo.	←	←	←	←	025-10056	←	←	←	←	→
25	Angle Stop Valve (Gauges)	←	←	←	←	022-01581	←	←	←	←	→
26	Wiring Harness	←	←	←	←	367-77738	←	←	←	←	→
27	Marker Strip	←	←	←	←	025-14035	←	←	←	←	→
28	Mounting Plate	←	←	←	←	067-83478	←	←	←	←	→
29	Grommet	←	←	←	←	028-07851	←	←	←	←	→
30	Mounting Stud	←	←	←	←	025-14359	←	←	←	←	→
31	Gauge Header	←	←	←	←	362-83472	←	←	←	←	→

* Not Shown

** On "A"-Models use Part No. 025-14742

NOTE: For replacement motors and starters, order from York, by description, being sure to list original York Sales Order Number.



MODEL LC100W - ILLUSTRATED

TABLE 5— ACCESSORIES FOR FIELD INSTALLATION

Item No.	Description	Part No.								
		LCX40 (W)(E)(A)	LC50 (W)(E)(A)	LCX50 (W)(E)(A)	LC60 (W)(E)(A)	LCX60 (W)(E)(A)	LC70 (W)(E)(A)	LCX75 (W)(E)(A)	LCX85 (W)(E)(A)	LC100 (W)(E)(A)
1	Load Minder Kit (Complete)	467-80020	467-80020	467-80020	467-78803	467-78803	467-78803	467-78803	467-78803	467-78803
2	Valve, Hot Gas	025-14106	025-14106	025-14106	025-10507	025-10507	025-10507	025-10507	025-10507	025-10507
3	Valve, Hot Gas Pilot	025-10509	025-10509	025-10509	025-10509	025-10509	025-10509	025-10509	025-10509	025-10509
4	Valve, Solenoid	025-14183	025-14183	025-14183	025-14183	025-14183	025-14183	025-14183	025-14183	025-14183
5	Coil, Solenoid Valve	025-09654	025-09654	025-09654	025-09654	025-09654	025-09654	025-09654	025-09654	025-09654
6 *	Low Ambient Start Kit (Complete)	367-86028	367-86028	367-86028	367-86028	867-86028	367-86028	367-86028	367-86028	367-86028
7 *	Relay	024-12357	024-12357	024-12357	024-12357	024-12357	024-12357	024-12357	024-12357	024-12357
8 *	Relay, Time Delay	024-14074	024-14074	024-14074	024-14074	024-14074	024-14074	024-14074	024-14074	024-14074
9 *	Load Sequencing Kit (Complete)	366-09672	366-09672	366-09672	366-09672	366-09672	366-09672	366-09672	366-09672	366-09672
10 *	Timer 1TR	025-15608	025-15608	025-15608	025-15608	025-15608	025-15608	025-15608	025-15608	025-15608
11 *	Timer 2TR	025-15608	025-15608	025-15608	025-15608	025-15608	025-15608	025-15608	025-15608	025-15608
12 *	Relay, Time Delay 3TR	024-13711	024-13711	024-13711	024-13711	024-13711	024-13711	024-13711	024-13711	024-13711
13 *	Switch, Selector, 2 Position	024-08851	024-08851	024-08851	024-08851	024-08851	024-08851	024-08851	024-08851	024-08851
14 *	Flow Switch (McDonnell) Model FS4-3 (Replaces FS4 & FS7)	024-10465	024-10465	024-10465	024-10465	024-10465	024-10465	024-10465	024-10465	024-10465
15 *	Control Transformer									
	Enclosed									
	208 to 480 Volts	025-12012	025-12012	025-12012	025-12012	025-12012	025-12012	025-12012	025-12012	025-12012
	550 to 600 Volts	025-12591	025-12591	025-12591	025-12591	025-12591	025-12591	025-12591	025-12591	025-12591
	Open (For Mtg. in York Starter)									
	208 to 480 Volts	—	025-14108	—	025-14108	—	025-14108	—	—	025-14108
	550 to 600 Volts	—	025-15532	—	025-15532	—	025-15532	—	—	025-15532

* Not Shown

Subject to Change Without Notice

Printed in U. S. A.

TP 1M 470 .15 Code: S-R(EF)-Int.
Form 150,30-RP

YORK

DIVISION OF BORG-WARNER CORPORATION

