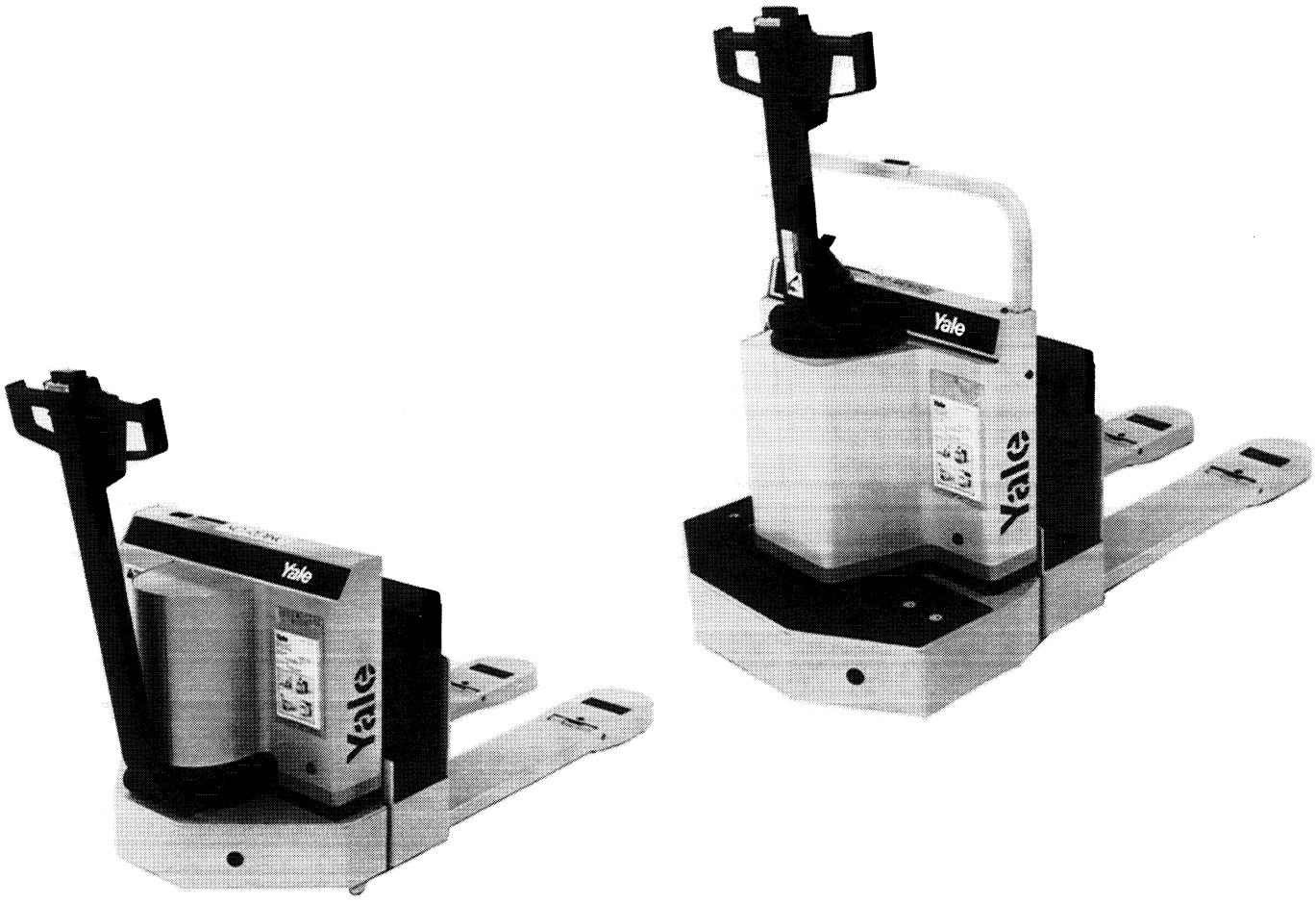
SERVICE PARTS MANUAL

For Models

MLW MPW and MLE MPE-MPC

4000, 6000 and 8000 Lb. Capacity



For Service & Parts—Contact

Authorized Dealer

Yale Materials Handling Corp
1400 Sullivan Drive
Caller No. 12011
Greenville, NC 27834-2011

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ITEM	PART NO.	DESCRIPTION	NO. REQD.
1	See Page 4-2	Control Handle Assembly—Resistor—Standard	1
	See Page 4-2	Control Handle Assembly—Resistor—Cold Storage/Corrosion Proof	1
	See Page 4-6	Control Handle Assembly—SCR—Standard	1
	See Page 4-6	Control Handle Assembly—SCR—Cold Storage/Corrosion Proof	1
2	See Page 5-2	Lift Linkage—Standard E & EE	1
	See Page 5-4	Lift Linkage—Cold Storage/Corrosion Proof	1
	See Page 5-10	Lift Linkage—080	1
3	See Page 5-9	Load Wheel Group—Standard	2
	See Page 5-9	Load Wheel Group—Corrosion Proof	2
4	See Page 5-2	Battery Compartment & Pallet Fork Weldment—E	1
	See Page 5-2	Battery Compartment & Pallet Fork Weldment—EE	1
5	5032547-00	Drive Unit Cover Weldment	1
6	3112070-90	Button Hd. Screw—1/2"-13×1" Lg	2
	Commercial	Flat Washer—1/2"	2
	Commercial	Lockwasher—1/2"	2
7	5017894-00	Drive Unit Housing Cover	1
8	7200949-01	Acorn Nut—1/2"-13	2

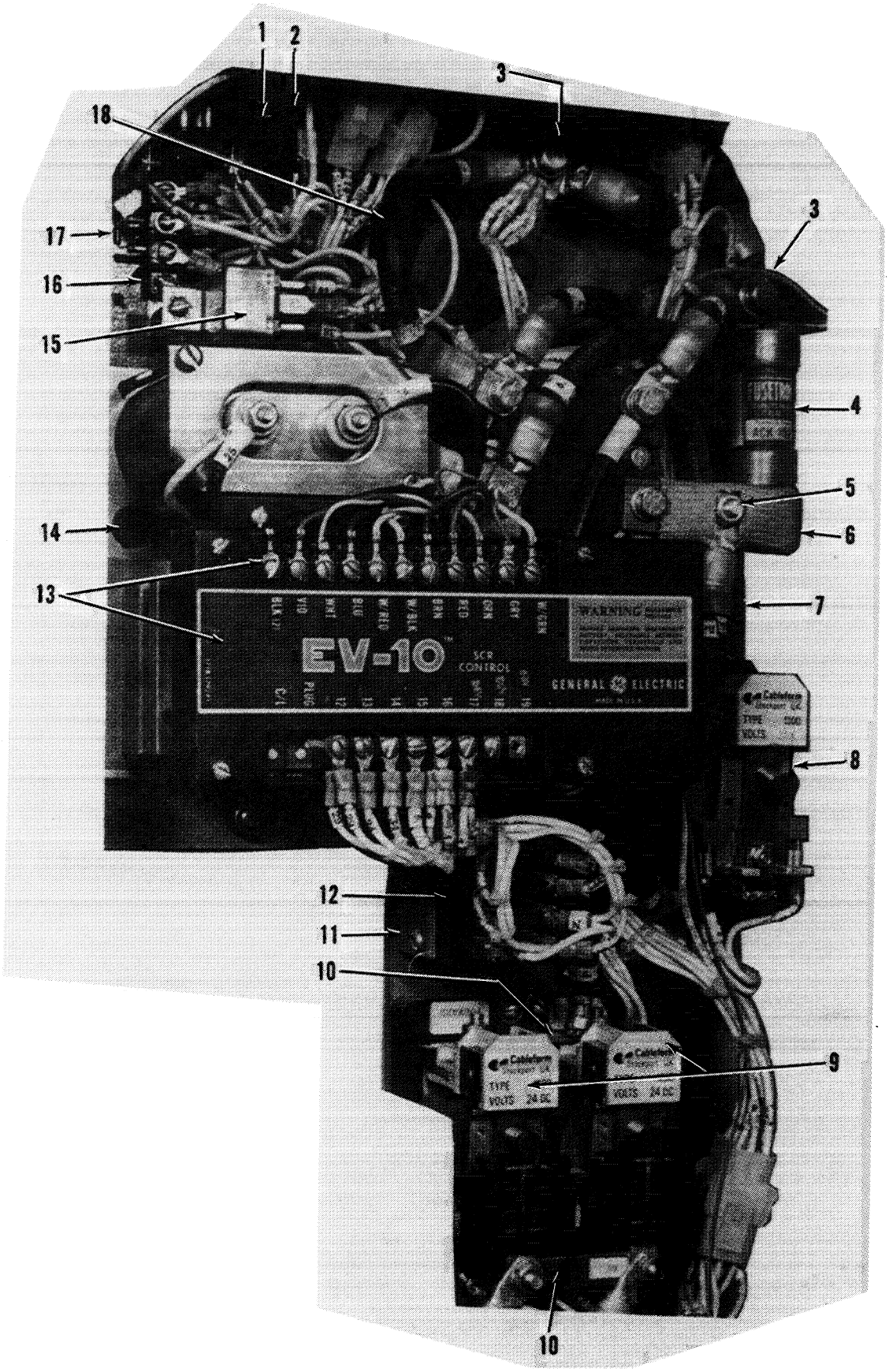
NOTE: See Page 1-6 For Compartment Components For Resistor Control.
See Page 1-8 For Compartment Components—For SCR Control.

ITEM	PART NO.	DESCRIPTION	NO. REQD.
1	See Page 4-10	Control Handle Assembly—Resistor—Standard	1
	See Page 4-10	Control Handle Assembly—Resistor—Cold Storage/Corrosion Proof	1
	See Page 4-14	Control Handle Assembly—SCR—Standard	1
	See Page 4-14	Control Handle Assembly—SCR—Cold Storage/Corrosion Proof	1
2	5192968-00	Switch—4th Speed	1
	5028262-00	Switch Mounting Bracket	1
	Commercial	Rd. Hd. Screw—#6-32×3/4" Lg	2
	Commercial	Lockwasher—#6	2
	5035485-04	Switch Actuator	1
	5010672-07	Spring	1
	5019622-00	Actuator Cover	1
	Commercial	Pan Hd. Screw—#10-32×1/2" Lg	2
	Commercial	Lockwasher—#10 Shakeproof	2
	5020062-00	Wire Harness	1
3	5044185-00	Control Box Weldment—4th Speed, Hoist Lower & Horn	1
	Commercial	Pan Hd. Screw—#10-32×1/2" Lg	2
	Commercial	Lockwasher—#10 Shakeproof	2
	1298821-00	Push Button	4
	5170346-00	Wire Harness	1
	5044215-01	Legend Plate—4th Speed & Horn	1
	5044215-02	Legend Plate—Hoist & Lower	1
	5025719-01	Fillister Hd. Screw—#6-32×1/4" Lg	8
4	5172136-00	Cover	1
	5300218-00	Button Hd. Screw—1/4"-20×5/8" Lg	4
	Commercial	Lockwasher—1/4" Shakeproof	4
	5018262-00	Rubber Bumper	1
	Commercial	Lockwasher—5/16"	1
	Commercial	Hex. Nut—5/16"-18	1
5	5167186-00	Cover	1
	5017539-01	Button Hd. Screw—5/16"-18×5/8" Lg	2
	Commercial	Lockwasher—5/16"	2
	Commercial	Flat Washer—5/16"	2
6	See Page 5-2	Lift Linkage—Standard E & EE	1
	See Page 5-4	Lift Linkage—Cold Storage/Corrosion Proof	1
7	See Page 5-9	Load Wheel Group—Standard	1
	See Page 5-9	Load Wheel Group—Corrosion Proof	1
8	See Page 5-2	Battery Compartment & Pallet Fork Weldment—E	1
	See Page 5-2	Battery Compartment & Pallet Fork Weldment—EE	1
9	0608166-00	Button Hd. Screw—3/8"-16×3/4" Lg	4
	Commercial	Lockwasher—3/8"	4
	Commercial	Flat Washer—3/8"	4
10	5166996-00	Anti-Slip Pad	1
11	See Page 5-14	Caster Assembly	2
12	5035757-00	Cover Weldment—Drive Unit	1

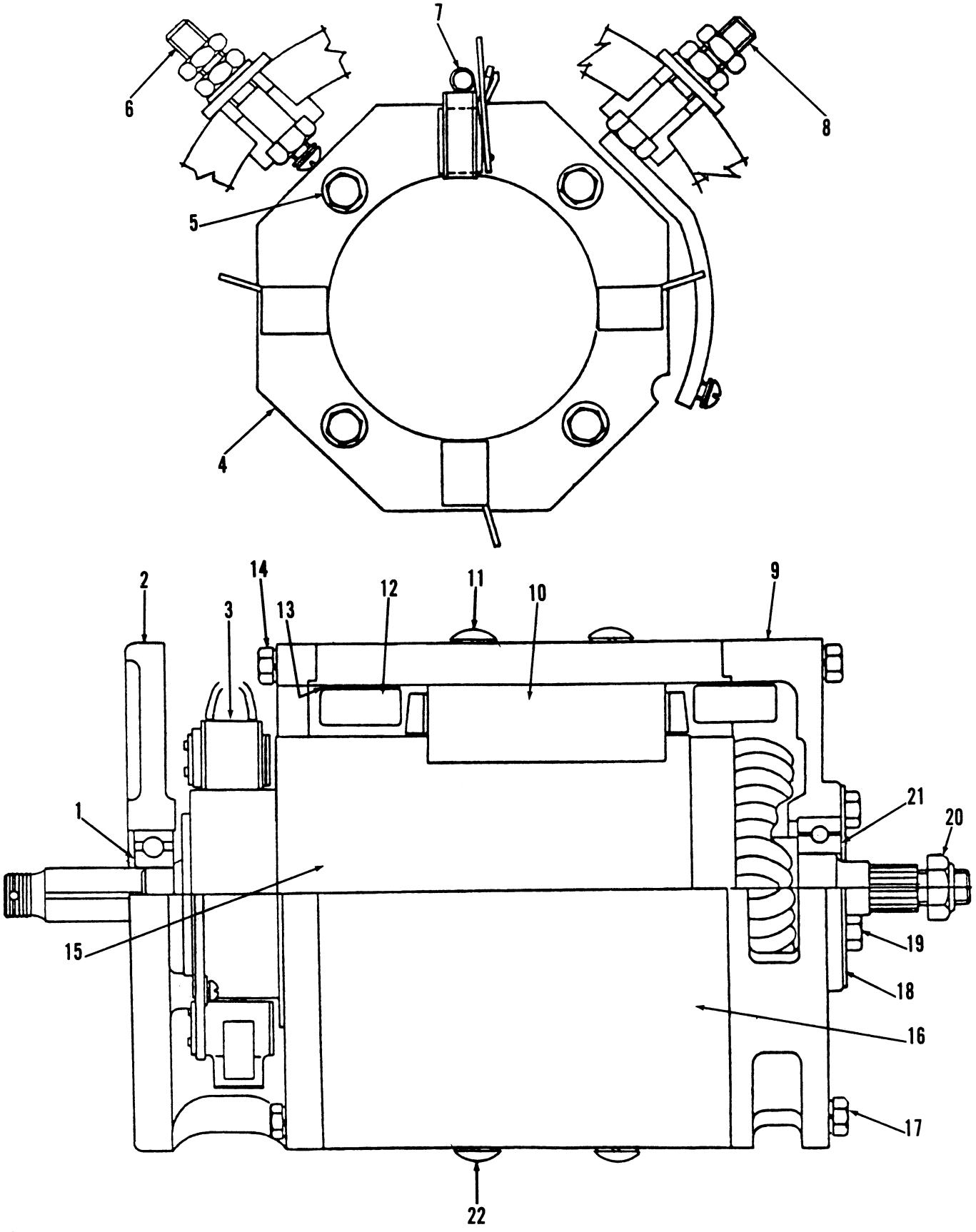
NOTE: See Page 1-16 For Compartment Components For Resistor Control.
See Page 1-18 For Compartment Components For SCR Control.

NOTES

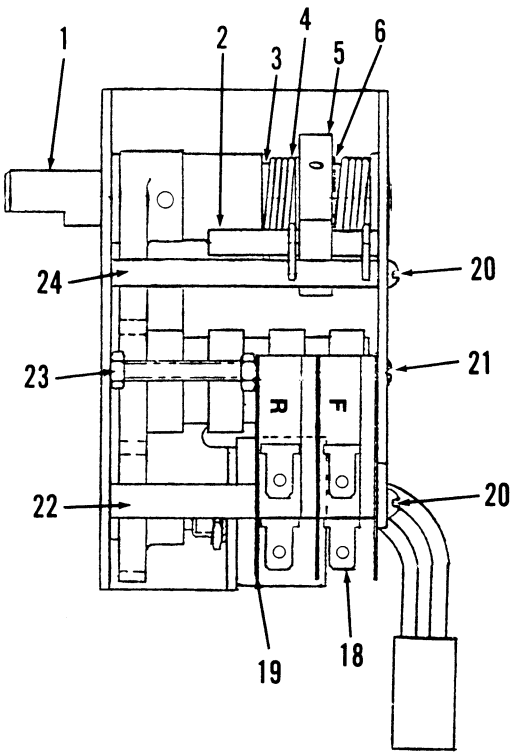
SCR, CONTACTOR & MOUNTING PLATE ASSEMBLY— 24 VOLT SCR CONTROL—MLE/MPE/MPC 040 & 060 STANDARD & COLD STORAGE/CORROSION PROOF

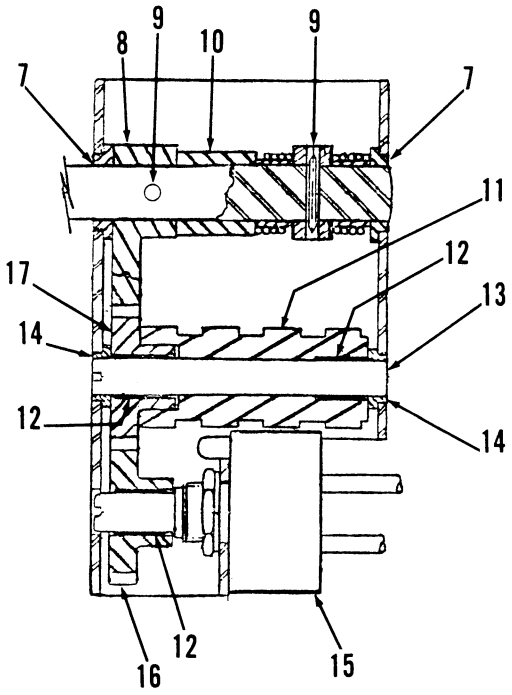


7221920-23 DRIVE MOTOR—24 VOLT—MPE/MPC 080



5037805-02 ACCELERATOR SWITCH—SCR—MLW/MPW/MLE/MPE/MPC

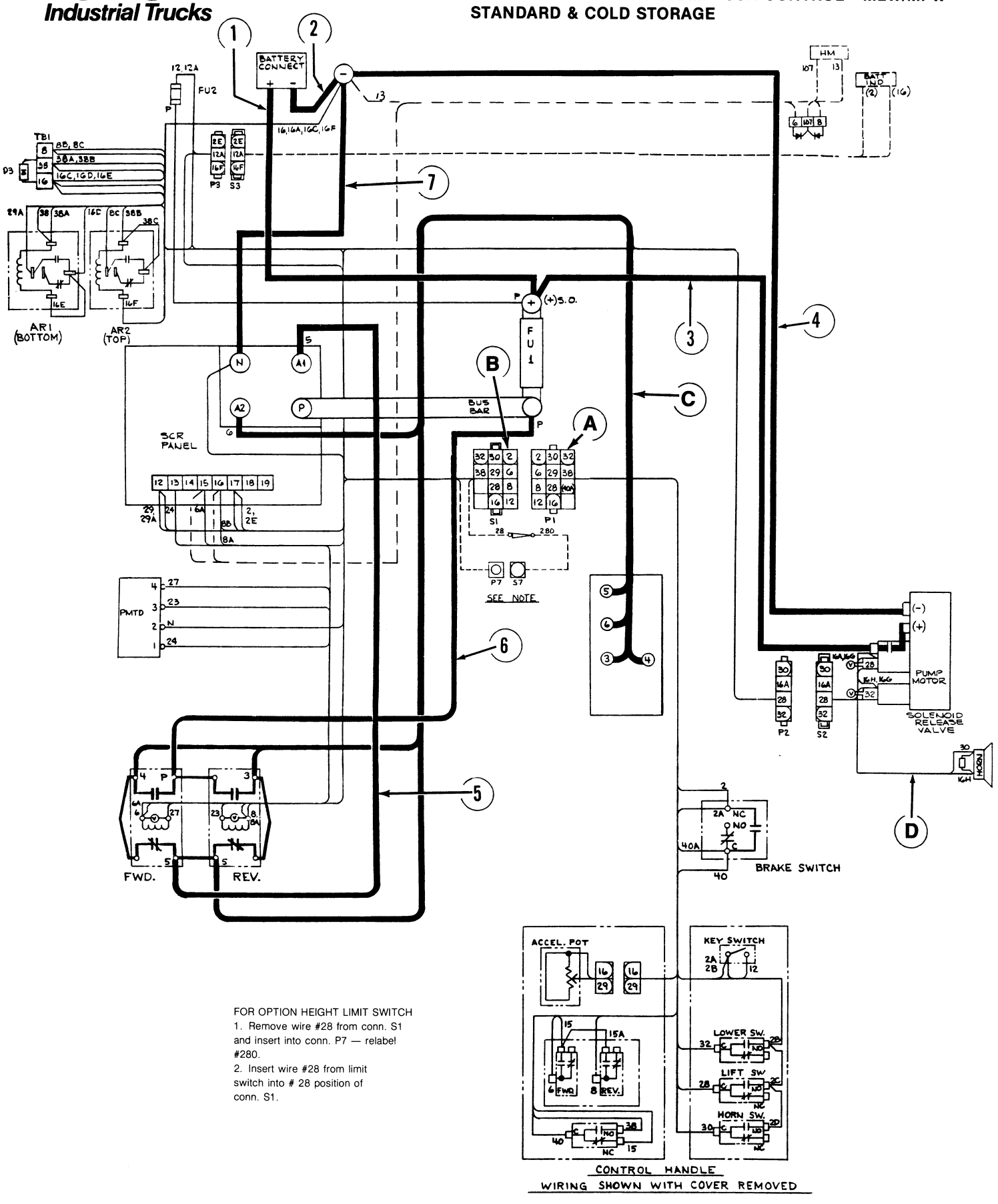




ITEM	PART NO.	DESCRIPTION	NO. REQD.
1	5170858-35	Input Shaft	1
2	5170858-32	Groove Pin	1
3	5170858-36	Torque Spring Bushing	2
4	5170858-37	Torque Spring	2
5	5170858-51	Stop Arm With Groove Pin	1
6	5170858-38	Torque Spring Washer	2
7	5170858-09	Bearing	2
8	5170858-39	Segment Gear	1
9		Not Used	
10	5170858-40	Bushing	1
11	5170858-41	Cam—Only	1
12	5170858-03	Tolerance Ring	3
13	5170858-42	Cam Drive Shaft	1
14	5170858-01	Bearing	2
15	5170858-49	Potentiometer	1
16	5170858-43	Potentiometer Gear—Only	1
17	5170858-44	Cam Gear—Only	1
18	5170858-04	Switch	2
19	5170858-05	Insulator	3
20	Commercial	Pan Head Screw—#4-40×2" Lg	2
21	Commercial	Fillister Head Screw—#40×2" Lg	1
22	5170858-48	Spacer	1
23	Commercial	Hex. Nut—#4-40	5
24	5170858-47	Spacer	1

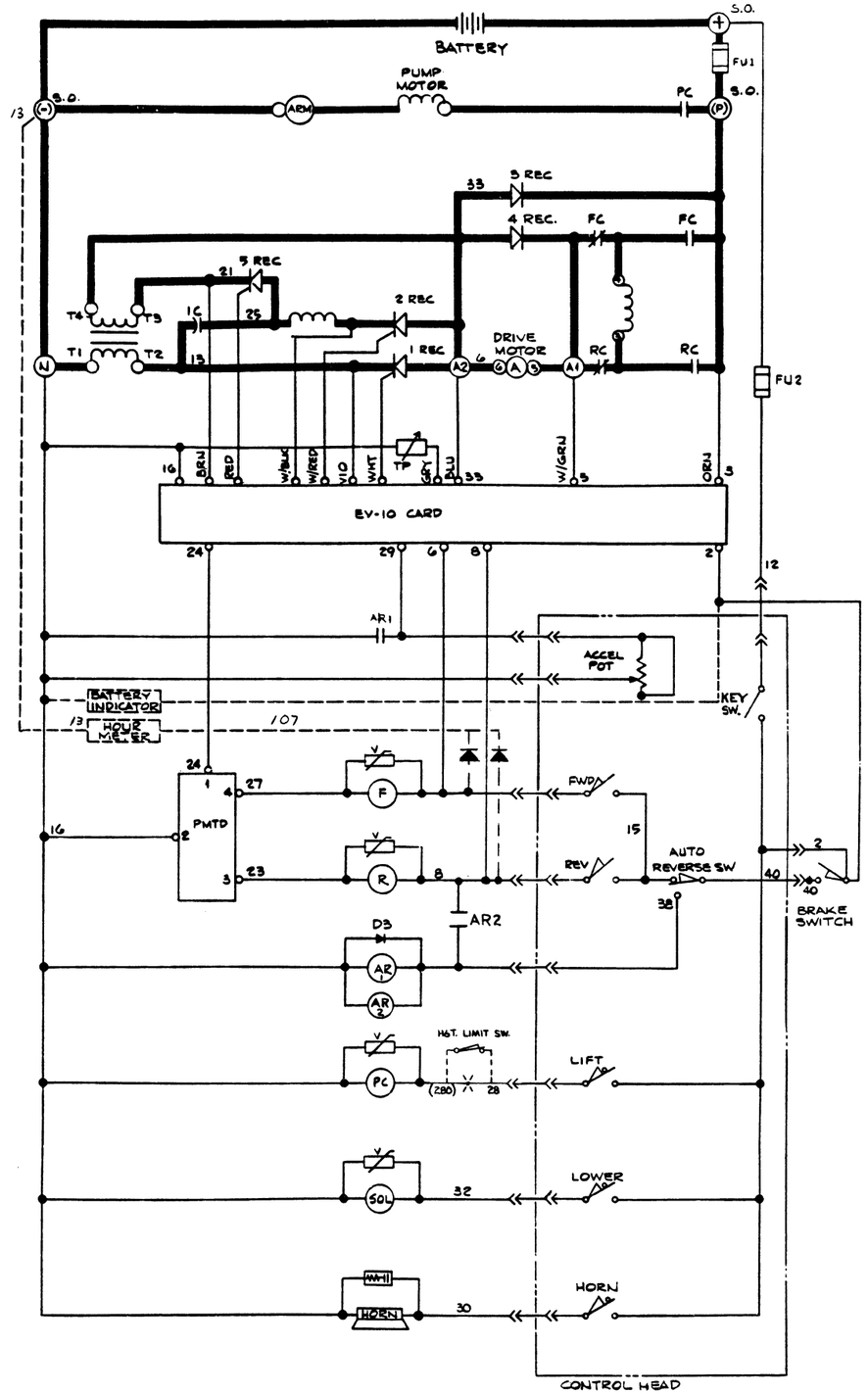
Yale Industrial Trucks

5033497-01 WIRING DIAGRAM—SCR CONTROL—MLW/MPW STANDARD & COLD STORAGE



FOR OPTION HEIGHT LIMIT SWITCH
1. Remove wire #28 from conn. S1 and insert into conn. P7 — relabel #280.
2. Insert wire #28 from limit switch into # 28 position of conn. S1.

5034177-01 WIRING DIAGRAM—SCR CONTROL—MLW/MPW—EE



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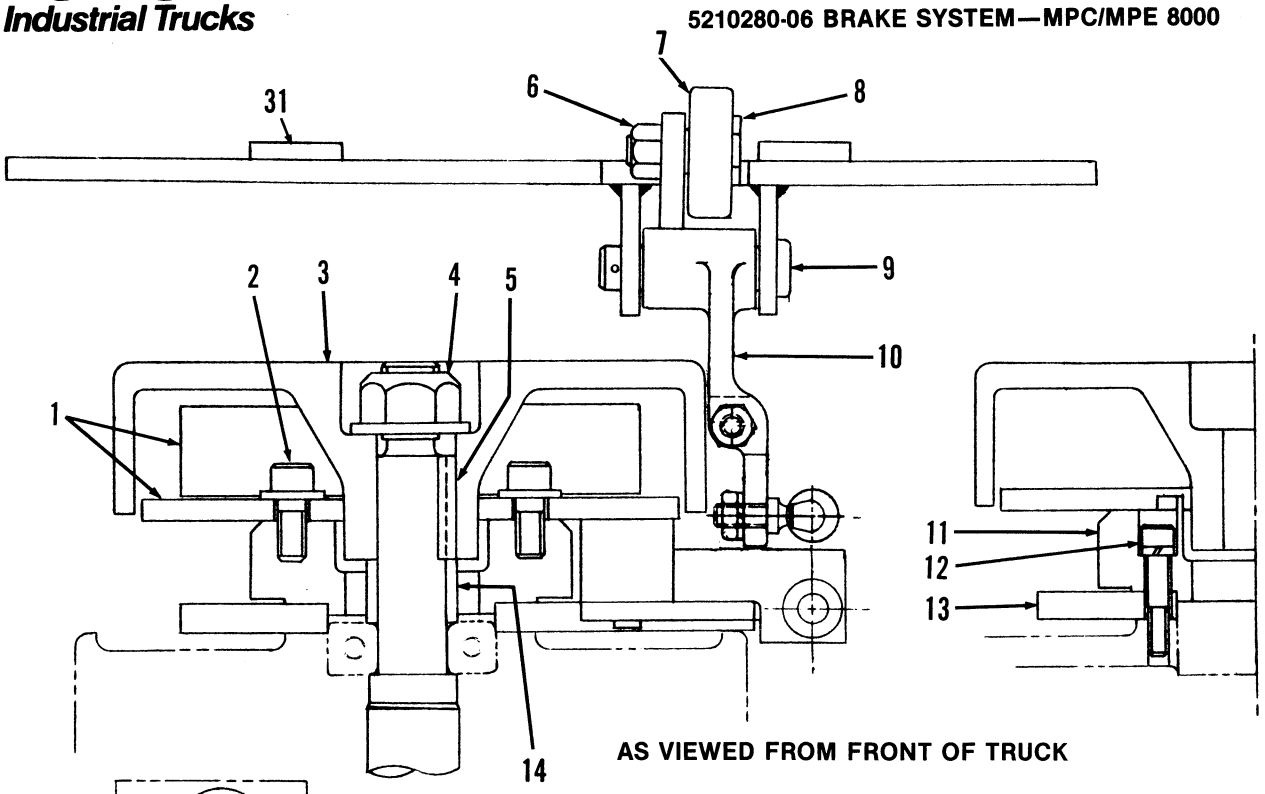


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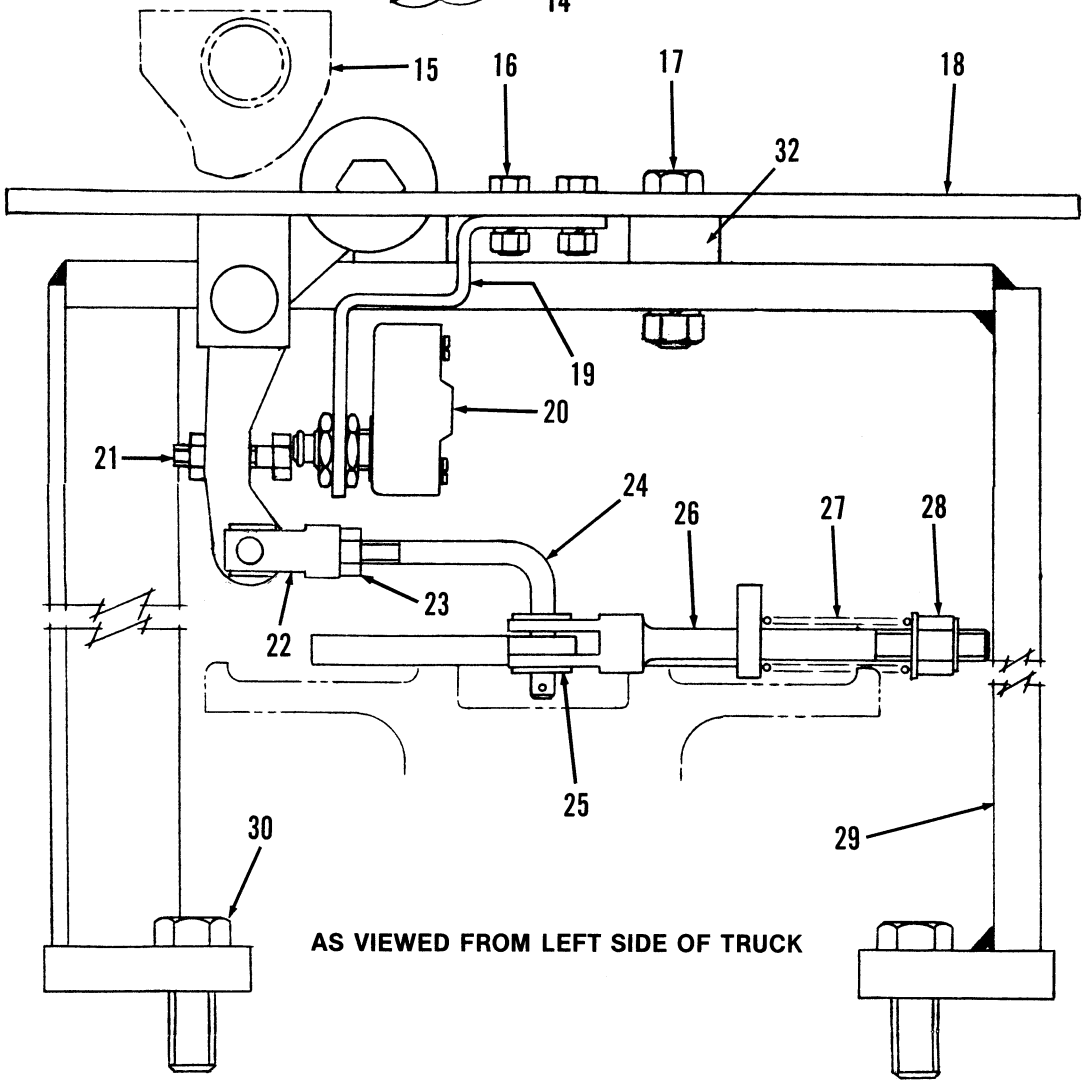
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Yale Industrial Trucks

5210280-05 BRAKE SYSTEM—MLE/MPE/MPC 4000/6000
5210280-06 BRAKE SYSTEM—MPC/MPE 8000



AS VIEWED FROM FRONT OF TRUCK



AS VIEWED FROM LEFT SIDE OF TRUCK

CONTROL HANDLE ASSEMBLY—MLW/MPW—RESISTOR

ITEM	PART NO.	DESCRIPTION	NO. REQD.
1	5010672-05	Spring	2
2	5037795-00	Auto-Reverse Actuator	1
3	5010672-07	Spring	6
4	5026329-04	Pan Head Phillips Screw—#6-32×7/8" Lg	12
	Commercial	Shakeproof Lockwasher	12
5	5192968-00	Switch	4
6	5043345-00	Switch Plate	1
7	5031062-00	Traction Switch—Includes Wire Harness & Diodes	1
	5047015-00	Wire Harness	1
	5031062-01	Traction Switch—Includes Wire Harness & Diodes—Cold Storage	1
	5047015-01	Wire Harness—Cold Storage	1
8	5092618-00	Diode	3
9	0148747-00	Rd. Hd. Screw—#10-32×1/4" Lg	2
10	Commercial	Shakeproof Lockwasher—#10	2
11	5030902-00	Rod	1
12	6401689-03	Roll Pin	2
13	5193108-03	Pin	1
14	5030892-00	Switch Plate	1
15	Commercial	Button Hd. Screw—1/4"-28×5/8" Lg	3
16	Commercial	Shakeproof Lockwasher—1/4"	3
17	5008631-04	Lock Switch With (2) Keys	1
	5008631-06	Key	A.R.
18	5169956-00	Cover Plate	1
19	5026339-02	Pan Head Phillips Screw—#8-32×3/8" Lg	6
	Commercial	Shakeproof Lockwasher—#8	6
	Commercial	Flat Washer—#8	6
20	5195048-00	Plate	1
21	5026329-03	Pan Head Phillips Screw—#6-32×3/8" Lg	3
	Commercial	Shakeproof Lockwasher—#6	3
22	5194668-00	Switch Bar	2
23	5035485-03	Lower Actuator	1
24	5035485-02	Raise Actuator	1
25	5035485-01	Horn Actuator	1

NOTE: A.R.—As Required.

CONTROL HANDLE ASSEMBLY—MLE/MPE—SCR

ITEM	PART NO.	DESCRIPTION	NO. REQD.
1	5030912-00	Control Sleeve	1
2	5045075-01	Control Knob—R.H.	1
3	0502614-00	Roll Pin—3/16" Dia. × 1-1/2" Lg.	1
4	5045075-02	Control Knob—L.H.	1
5	5193038-01	Washer	2
6	5193058-02	Grip	2
7	5046995-00	Handle Bar	1
8	5167316-00	Hand Guard	2
9	Commercial	Button Hd. Screw—3/8"-16 × 1" Lg.	3
10	Commercial	Flat Washer—3/8"	4
11	5035317-01	Handle With Bushings & Inserts—Standard	1
	5039215-06	Handle With Bushings & Inserts—Cold Storage	1
12	5005969-24	Bushing—Bronze—3/4" I.D. × 2" Lg.	2
13	6201211-00	Insert For Spring—1/2" O.D. × 1/2" Lg.	1
14	See Page 2-42	Wire Harness	1
15	5019219-09	Wire Clamp—1/2"	1
16	Commercial	Lockwasher—3/8"	2
17	Commercial	Hex. Nut—3/8"-16	2
18	5037775-00	Cover	1
19	Commercial	Button Hd. Screw—1/4"-20 × 5/8" Lg.	2
20	Commercial	Shakeproof Lockwasher—1/4"	2
21	Commercial	Button Hd. Screw—1/4"-20 × 1-1/4" Lg.	1
22*	Commercial	Button Hd. Screw—5/16"-18 × 5/8" Lg.	2
23*	0310330-00	Special Washer	2
*	Commercial	Shakeproof Lockwasher—5/16"	2
24*	5037285-00	Support	1
25*	Commercial	Lockwasher—1/2"	2
26*	Commercial	Hex. Screw—1/2"-13 × 1-1/4" Lg.—Gd. 5	2
27*	5037305-00	Pivot Shaft—Standard	1
	5048865-00	Pivot Shaft—Cold Storage/Corrosion Proof	1
28*	7516603-00	Torsion Spring	1
29*	5037275-00	Support	1
30	0227845-00	Lube Fitting—3/16" Drive	1
31	5046295-00	Wire Guide	1
32	Commercial	Flat Hd. Screw—1/4"-20 × 1/2" Lg.	1

FOLLOWING ITEMS NOT SHOWN ARE INCLUDED WITH COLD STORAGE HANDLES.

	5143338-00	Heater—24 Volt	1
	Commercial	Rd. Hd. Screw—#10-24 × 7/8" Lg.	2
	Commercial	Lockwasher #10	2
	Commercial	Hex. Nut—#10-24	2

* **NOTE:** * Items Not Included With Control Handle Assemblies Must Be Ordered Separately.

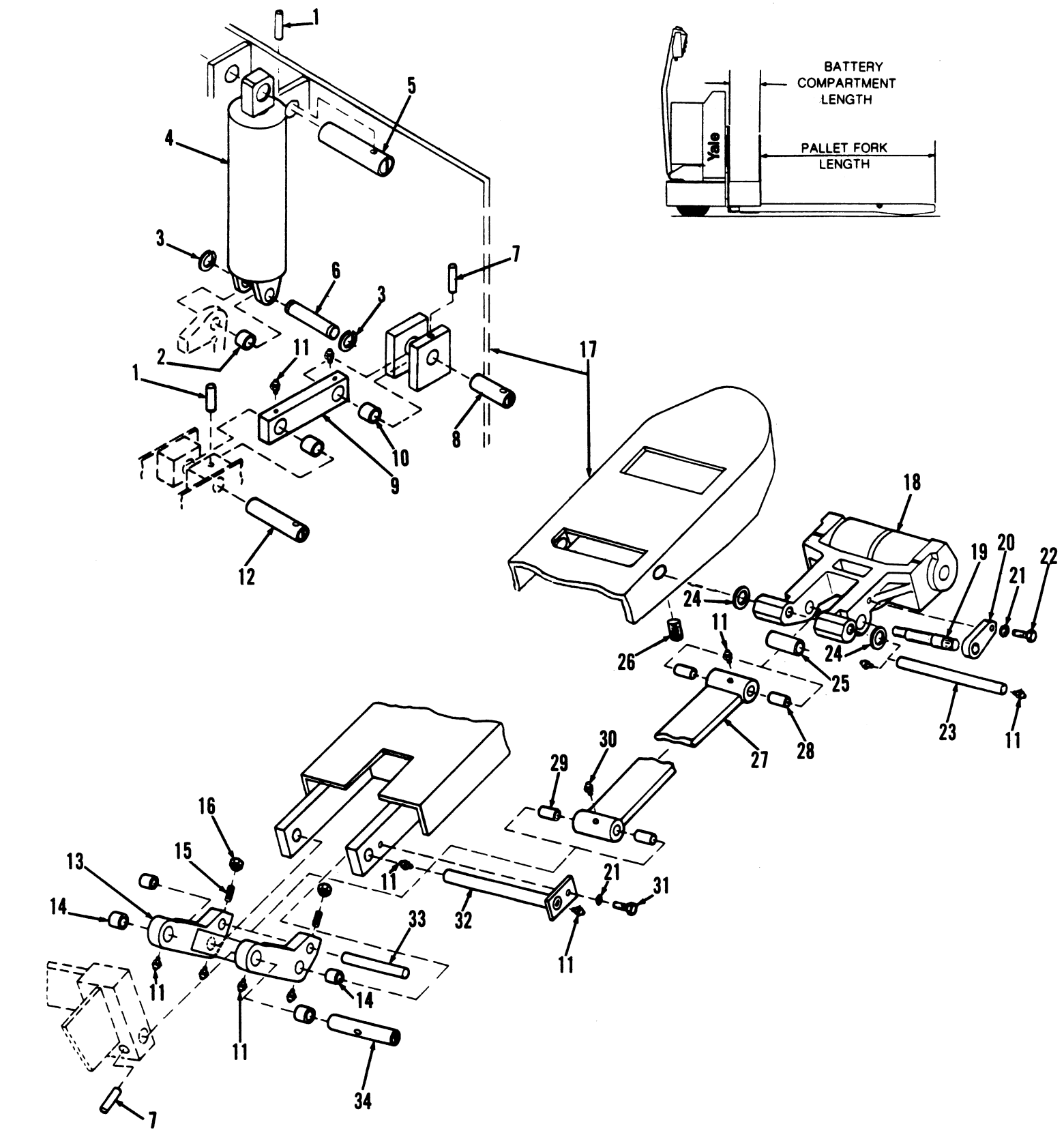
NOTE: All Cold Storage/Corrosion Proof Hardware To Be Zinc Plated.

CONTROL HANDLE ASSEMBLY—MPC—SCR

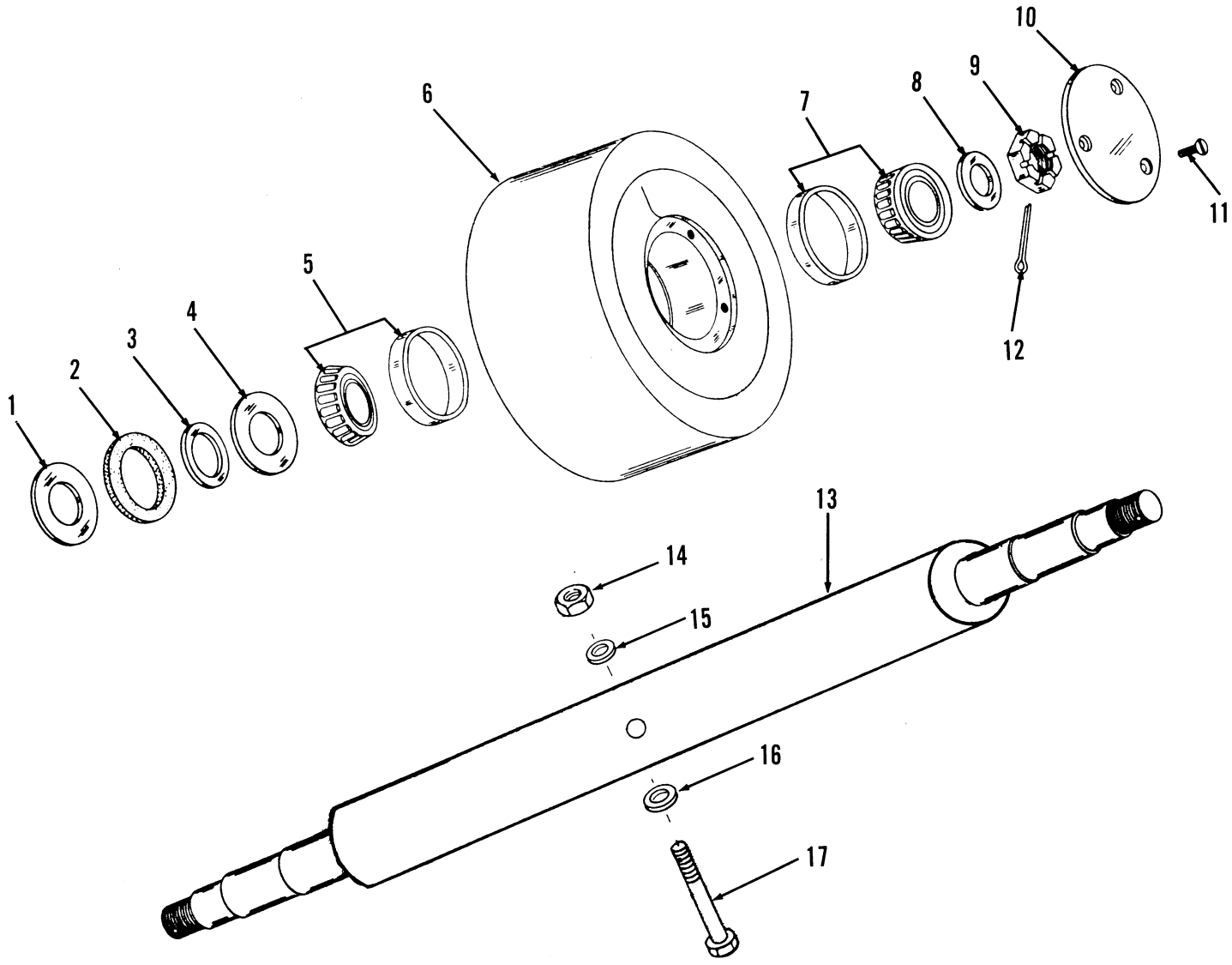
ITEM	PART NO.	DESCRIPTION	NO. REQD.
1	5010672-05	Spring	2
2	5037795-00	Auto-Reverse Actuator	1
3	5010672-07	Spring	6
4	5026329-04	Pan Head Phillips Screw—#6-32 × 7/8" Lg.	12
	Commercial	Shakeproof Lockwasher	12
5	5192968-00	Switch	4
6	5043345-00	Switch Plate	1
7	5020232-00	Plate	1
8	5193108-03	Pin	1
9	0230324-00	Yoke Pin	1
10	Commercial	Cotter Pin—1/16" × 1/2" Lg.	1
11	5019882-00	Lever	1
12	Commercial	Set Screw—#10-24 × 1/2" Lg.—Cup Point	1
13	Commercial	Hex. Nut—#10-24	1
14	See Page 2-28	Accelerator Switch	1
15	Commercial	Shakeproof Lockwasher—1/4"	3
16	Commercial	Button Hd. Screw—1/4"-20 × 5/8" Lg.	3
17	5008631-04	Lock Switch With (2) Keys	1
	5008631-06	Key	A.R.
18	5169956-00	Cover Plate	1
19	5026339-02	Pan Head Phillips Screw—#8-32 × 3/8" Lg.	6
	Commercial	Shakeproof Lockwasher—#8	6
	Commercial	Flat Washer—#8	6
20	5025612-00	Rocker Switch	1
21	5026329-03	Pan Head Phillips Screw—#6-32 × 3/8" Lg.	2
	Commercial	Shakeproof Lockwasher—#6	2
22	5194668-00	Switch Bar	2
23	5035485-03	Lower Actuator	1
24	5035485-02	Raise Actuator	1
25	5035485-01	Horn Actuator	1

NOTE: A.R.—As Required.

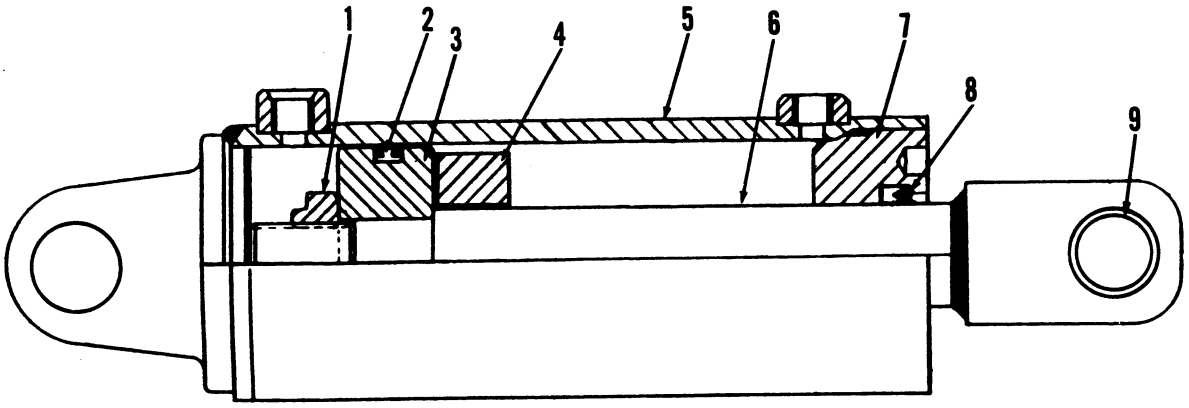
LIFT LINKAGE—MPW/MPE—COLD STORAGE/CORROSION PROOF



LOAD WHEEL GROUP—MLW/MLE—STANDARD
LOAD WHEEL GROUP—MLW/MLE—COLD STORAGE/CORROSION PROOF



5172986-01 LIFT CYLINDER ASSEMBLY— MPW/MPE/MPC—8000 LB.

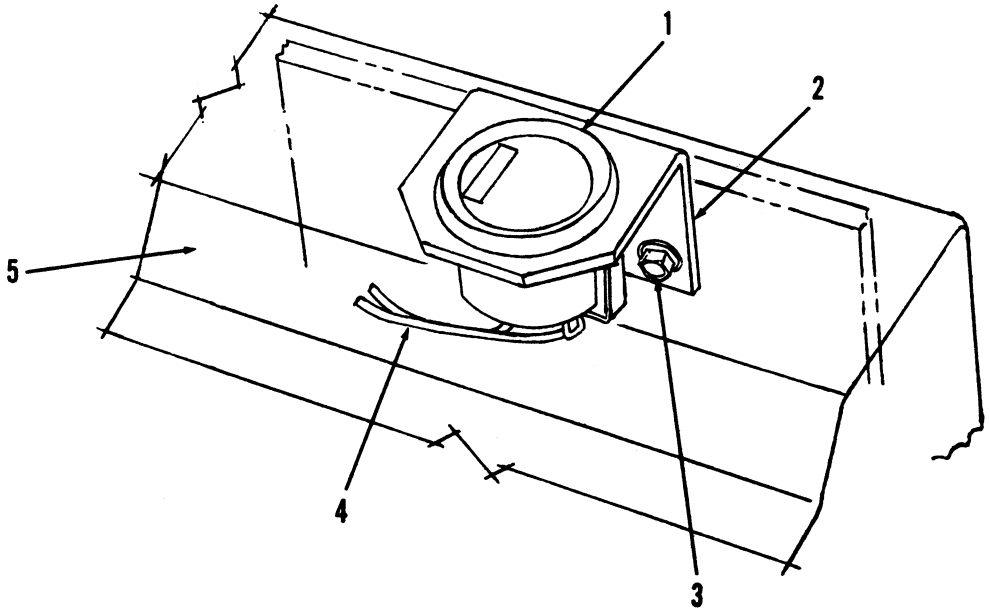


CYLINDER ASSEMBLY	TUBE WELDMENT	ROD WELDMENT	SPACER
5172986-01	5047775-01	5173076-01	None

ITEM	PART NO.	DESCRIPTION	NO. REQD.
1	5026379-02	Locknut—Torque (Lubed) To110 Ft. Lbs. (150 NM)	1
2 *	N.S.S.	Piston Seal	1
3	5041465-00	Piston	1
4	See List	Spacer	1
5	See List	Outer Tube	1
6	See List	Rod Weldment	1
7 * *	5039165-01	Gland	1
8 *	N.S.S.	Scraper	1
9	5001939-12	Bushing	1
*	5213280-01	Packing Kit (Includes * Items)	1
* *		When installing gland apply 5017029-02 sealant (Loctite #242) on threads and torque to 20 Ft. Lbs. (27 NM).	

NOTE: N.S.S.—Not Serviced Separately.

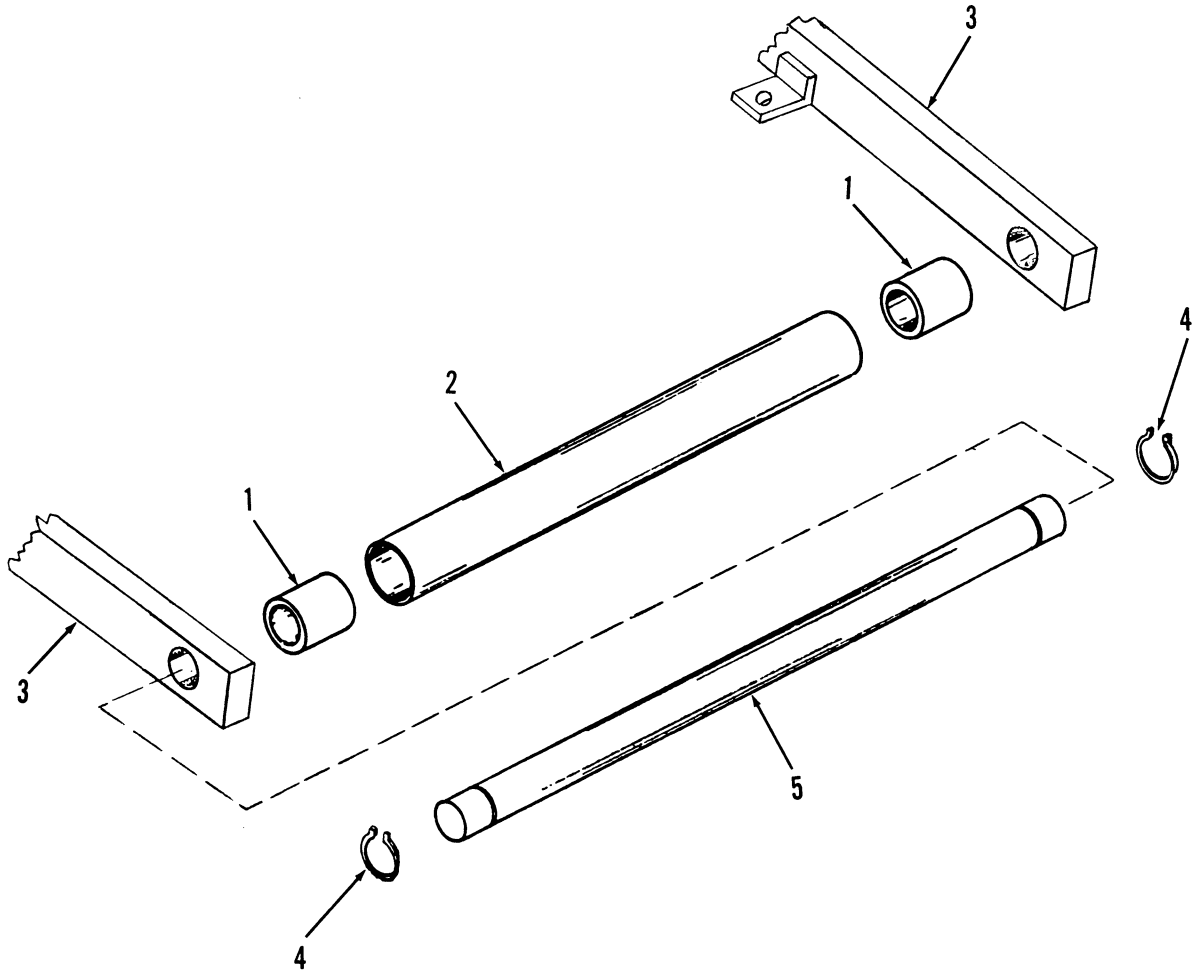
BATTERY DISCHARGE INDICATOR (CURTIS 933 WITH LIFT INTERRUPT)



ITEM	PART NO.	DESCRIPTION	NO. REQD.
1	7511284-10	Battery Discharge Indicator—12 Volt	1
	7511284-04	Battery Discharge Indicator—24 Volt	1
2	7520024-01	Bracket	1
3	Commercial	Hex. Hd.Screw—1/4"-20×1/2" Lg	2
	Commercial	Flat Washer—1/4"	2
	Commercial	Lockwasher—1/4"	2
4	7520624-00	Wire Harness	1
5	5036885-11	Drive Unit Cover For Discharge Indicator—MLW/MPW	1
	5038965-05	Top Cover For Discharge Indicator—MLE/MPE	1
	5038965-06	Top Cover For Discharge Indicator—MPC	1
		NOT SHOWN	
	Commercial	Flat Hd. Screw—1/4"-20×1/2" Lg	2
	Commercial	Lockwasher—1/4"	2
	Commercial	Hex. Nut—1/4"-20 Zinc Plated	2

NOTE:
See Page 2-30—Wiring Diagram—Resistor Control—MLW/MPW For Installation
See Page 2-38—Wiring Diagram—SCR Control—MLW/MPW For Installation
See Page 2-34—Wiring Diagram—Resistor Control—MLE/MPE/MPC—For Installation
See Page 2-43—Wiring Diagram—SCR Control—MLE/MPE/MPC—For Installation

5213670-01 BATTERY ROLLER GROUP— 8.1" WIDE COMPARTMENT
5213670-02 BATTERY ROLLER GROUP—13.4" WIDE COMPARTMENT
MLE/MPE/MPC—MLW/MPW



ITEM	PART NO.	DESCRIPTION	NO. REQD.
1	5006259-01	Bronze Bushing—5/8" I.D. × 1" Lg	10
2	7200901-01	Roller—4-7/8" Lg.—8.1" Wide Compartment	5
	7200901-02	Roller—7-7/8" Lg.—13.4" Wide Compartment	5
3	5026402-00	Roller Support	2
	Commercial	Hex Screw—5/16"-18 × 3/4" Lg.—Gd. 5	4
	Commercial	Lockwasher—5/16"	4
4	0159182-00	Retaining Ring	10
5	7200891-01	Shaft—6-11/16" Lg.—8.1" Wide Compartment	5
	7200891-02	Shaft—9-11/16" Lg.—13.4" Wide Compartment	5

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
0620776-00	5-5	1289634-00	5-13	5000669-03	5-15	5005969-24	4-11	5010672-09	3-7
0620782-00	5-5	1290141-00	5-13	5000863-16	4-13	5005969-24	4-15	5012703-04	1-17
0652679-00	5-15	1290171-00	5-13	5001209-03	5-9	5005969-24	4-27	5012703-04	2-3
0655732-00	3-7	1291143-00	3-3	5001399-01	3-3	5006259-01	7-14	5012703-04	2-5
0655759-00	3-7	1292541-00	3-3	5001399-01	3-4	5006535-10	6-6	5012703-05	1-17
0655796-00	3-3	1295283-33	3-3	5001399-02	3-4	5008631-04	4-5	5012703-05	1-19
0656291-00	5-15	1295283-37	3-3	5001479-02	3-4	5008631-04	4-9	5012703-05	2-3
0660026-00	1-7	1295283-39	3-3	5001789-00	3-3	5008631-04	4-13	5012703-05	2-5
0660026-00	1-9	1297270-09	2-13	5001789-01	5-3	5008631-04	4-17	5014482-00	2-3
0660171-00	6-4	1298781-00	3-3	5001789-01	5-7	5008631-04	4-21	5014482-00	2-5
0677133-0F	2-15	1298821-00	1-11	5001789-01	5-11	5008631-04	4-25	5014482-00	2-7
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