

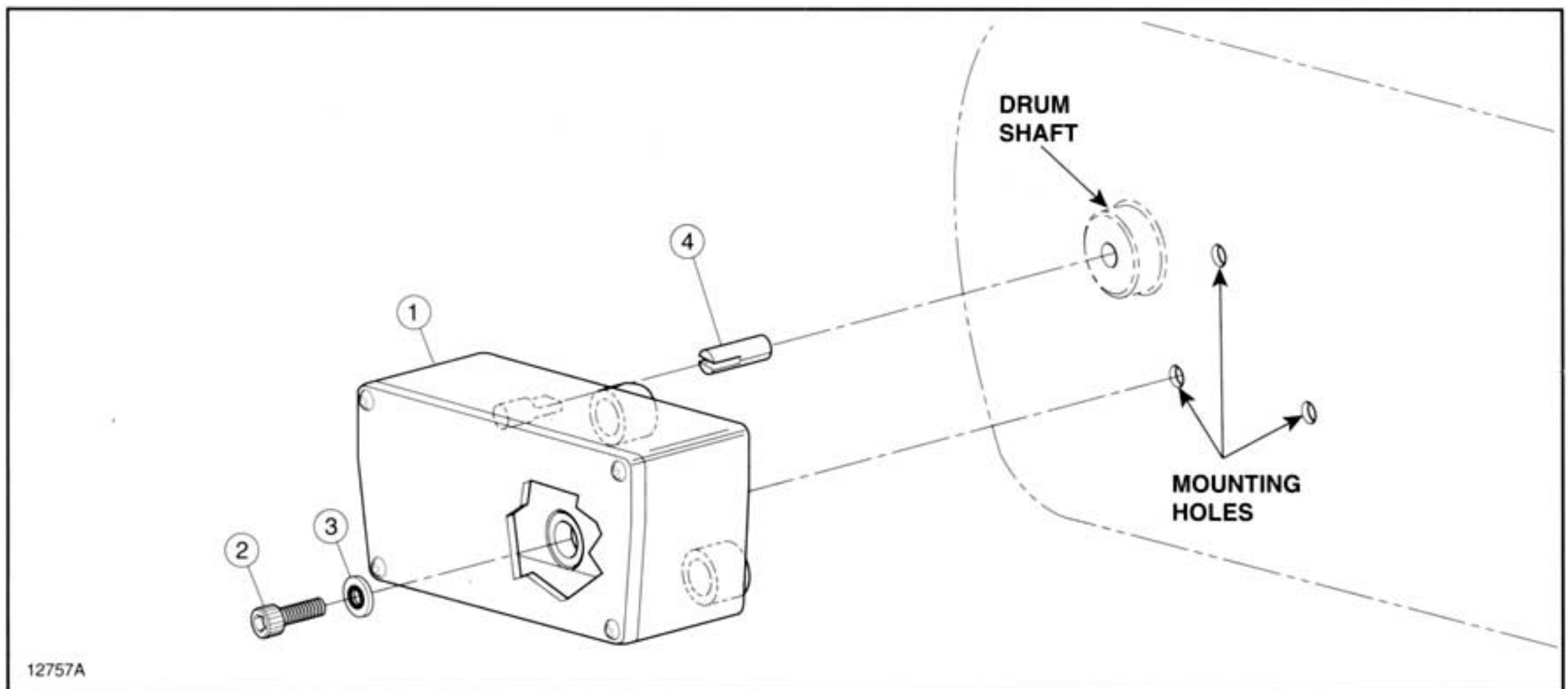


Figure 9-12. Screw-Type Limit Switch Parts.

Ref. No.	Part Number	Description	Qty. Req'd.
1	800-1655	Limit Switch Assembly (Includes Ref. Nos. 2, 3 and 4)	1
2	800-1651	Cap Screw — Hex Socket Head	3
3	800-1652	Sealing Washer	3
4	800-1657	Drum Shaft Insert	1

For switch element replacement order 800-1654.

NOTES

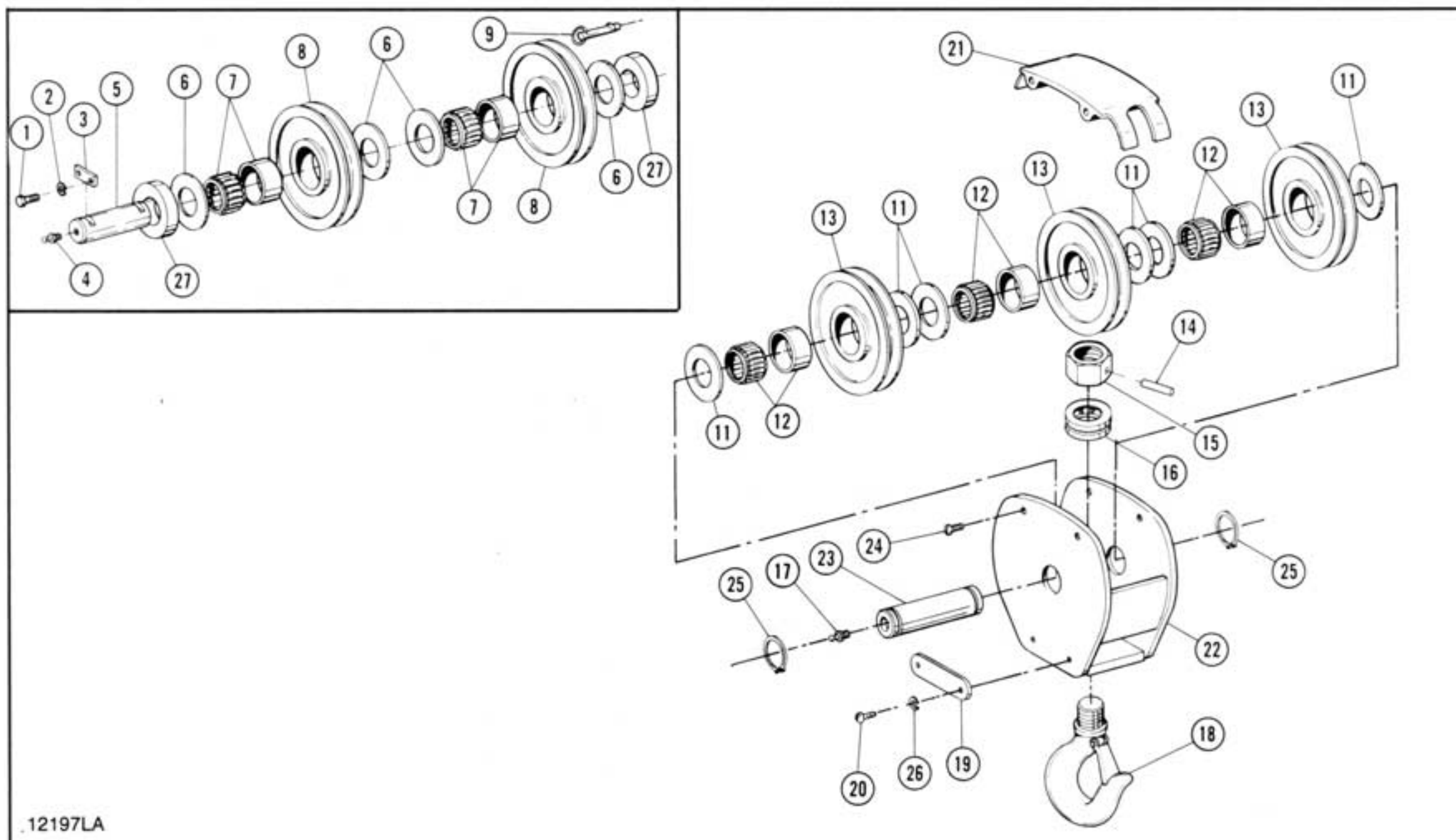
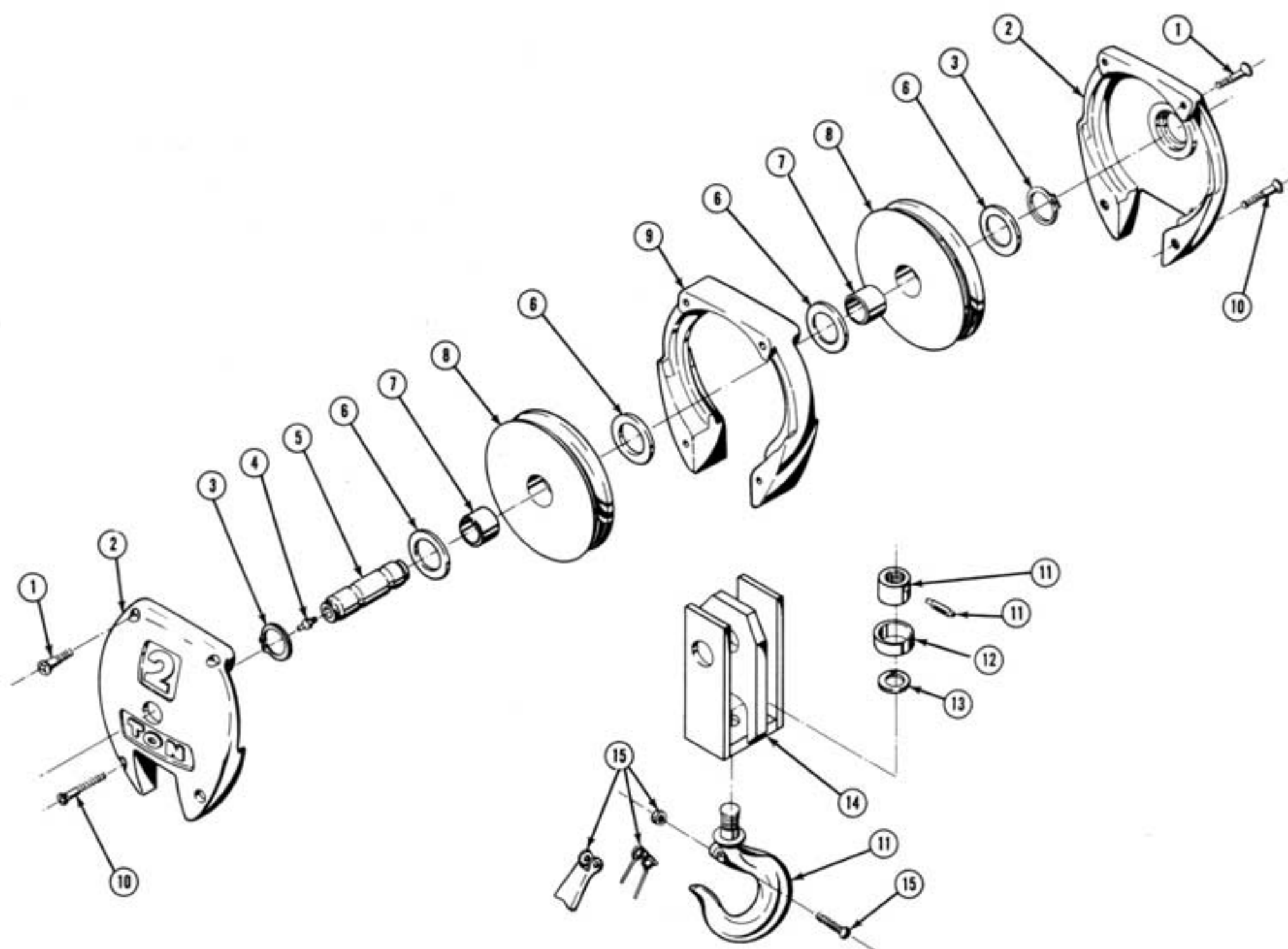


Figure 9-11. Upper and Lower Block Parts (3 & 5 Ton — Typical).

Ref. No.	Part Number	Description	Quantity Required	
			Reeving	
			3-Ton/4 PS	5-Ton/6 PS
	800-1501	Block Assembly — Lower, 4 Part Single (Complete)	1	—
	800-1502	Block Assembly — Lower, 6 Part Single (Complete)	—	1
1	800-1503	Screw — Hex Head Cap	2	2
2	800-1504	Lockwasher	2	2
3	800-1505	Key Plate	1	1
4	800-1506	Fitting — Grease	1	1
5	800-1507	Pin — Upper Sheave	1	1
6	800-1508	Spacer Washer — Upper Sheave	2	4
7†	800-1509	Bearing — Upper Sheave (Includes Outer Race)	1	2
8†	800-1510	Sheave — Upper	1	2
9	800-1535	Pin — Rope Guide	2	2
11	800-1513	Spacer Washer — Lower Sheave	4	6
12†	800-1514	Bearing — Lower Sheave (Includes Outer Race)	2	3
13†	800-1515	Sheave — Lower	2	3
14	800-1516	Pin — Roll, Hook Nut	1	1
15	800-1517	Nut — Hook*	1	1
16†	800-1518	Bearing — Thrust, Hook	1	1
	800-1530	Shield — Bearing (Not Shown)	1	—
	800-1531	Washer — Thrust (Not Shown)	2	—
17	800-1519	Fitting — Grease	1	1
18†	800-1520	Hook Assembly — (Includes Hook, Latch & Nut)	1	1
19	800-1521	Plate — Capacity	2	2
20	800-1522	Screw — Round Head, Self-Tapping (Capacity Plate)	4	4
21	800-1523	Guard — Sheave	1	1
22	800-1524	Body — Lower Block	1	1
23	800-1525	Pin — Lower Sheave	1	1
24	800-1526	Screw — Button Head Cap, Self-Locking (Sheave Guard)	4	4
25	800-1527	Ring — Retaining, External	2	2
26	800-1528	Lockwasher — (Capacity Plate)	4	4
27	800-1529	Spacer — Upper Block, 9/16"	2	—

†Recommended Spares

*Hook Nuts with roll pins are not interchangeable — Available only as an assembly.



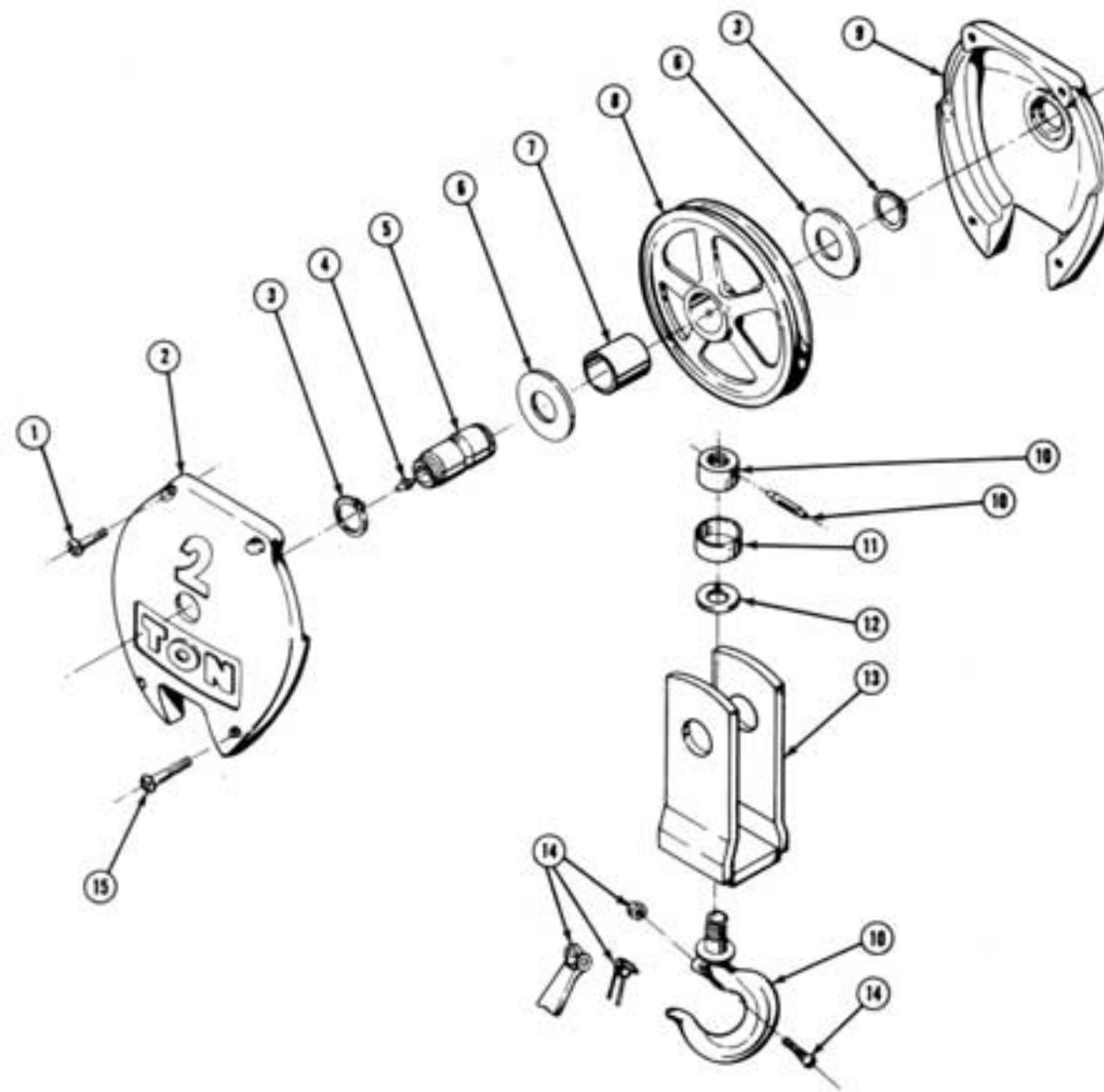
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Figure 9-10. Lower Block Assembly — Two Parts Double Reeved.

Ref. No.	Part Number	Description	Qty. Req'd.
	800-851	Block Assembly — Lower, Complete, 2 Ton	1
	800-852	Block Assembly — Lower, Complete, 1 Ton	1
	800-853	Block Assembly — Lower, Complete, 1/2 Ton	1
1	800-804	Screw — Flat Head, Self-Threading	4
2	800-854	Cover — Lower Block, 2 Ton	2
	800-806	Cover — Lower Block, 1 Ton	2
	800-807	Cover — Lower Block, 1/2 Ton	2
3	800-809	Ring — Retaining	2
4	800-810	Fitting — Lube	1
5	800-855	Pin — Sheave	1
6	800-814	Spacer	4
†	800-818	Sheave Assembly — (Consists of Items 7 and 8)	2
7	800-819	Bearing	2
8	800-820	Sheave	2
9	800-856	Cover — Intermediate	1
10	800-834	Screw — Flat Head, Self-Threading	4
11†	800-824	Hook Assembly — (Consists of Hook, Nut & Grooved Pin), 2 Ton	1
†	800-825	Hook Assembly — (Consists of Hook, Nut & Grooved Pin), 1/2 & 1 Ton	1
12	800-826	Shroud — Thrust Bearing, 2 Ton	1
	800-827	Shroud — Thrust Bearing, 1/2 & 1 Ton	1
13†	800-828	Bearing — Thrust, 2 Ton	1
†	800-829	Bearing — Thrust, 1/2 & 1 Ton	1
14	800-857	Body — Lower Block, 2 Ton	1
	800-858	Body — Lower Block, 1/2 & 1 Ton	1
15	800-832	*Safety Hook Latch Assembly — 2 Ton	1
	800-833	*Safety Hook Latch Assembly — 1/2 & 1 Ton	1

†Recommended Spares

*Furnished as standard with hook



11464

Figure 9-9. Lower Block Assembly — Two Parts Rope, Single Reeved.

Ref. No.	Part Number	Description	Qty. Req'd.
	800-801	Block Assembly — Lower, Complete, 2 Ton	1
	800-802	Block Assembly — Lower, Complete, 1 Ton	1
	800-803	Block Assembly — Lower, Complete, 1/2 Ton	1
1	800-804	Screw — Flat Head, Self-Threading	2
2	800-805	Cover — 2 Ton	1
	800-806	Cover — 1 Ton	1
	800-807	Cover — 1/2 Ton	1
3	800-808	Ring — Retaining, 2 Ton	2
	800-809	Ring — Retaining, 1/2 & 1 Ton	2
4	800-810	Lube Fitting	1
5	800-811	Pin — Sheave, 2 Ton	1
	800-812	Pin — Sheave, 1/2 & 1 Ton	1
6	800-813	Spacers — 2 Ton	2
	800-814	Spacers — 1/2 Ton & 1 Ton	2
†	800-815	Sheave Assembly — 2 Ton (Consists of Items 7 and 8)	1
7	800-816	Bearing	1
8	800-817	Sheave	1
†	800-818	Sheave Assembly — 1/2 & 1 Ton (Consists of Items 7 and 8)	1
7	800-819	Bearing	1
8	800-820	Sheave	1
9	800-821	Cover — Lower Block, 2 Ton	1
	800-822	Cover — Lower Block, 1 Ton	1
	800-823	Cover — Lower Block, 1/2 Ton	1
10†	800-824	Hook Assembly — (Consists of Hook, Nut & Grooved Pin), 2 Ton	1
†	800-825	Hook Assembly — (Consists of Hook, Nut & Grooved Pin), 1/2 & 1 Ton	1
11	800-826	Shroud — Thrust Bearing, 2 Ton	1
	800-827	Shroud — Thrust Bearing, 1/2 & 1 Ton	1
12†	800-828	Bearing Washer — Thrust, 2 Ton	1
†	800-829	Bearing Washer — Thrust, 1/2 & 1 Ton	1
13	800-830	Body — Lower Block, 2 Ton	1
	800-831	Body — Lower Block, 1/2 & 1 Ton	1
14	800-832	*Safety Hook Latch Kit — 2 Ton	1
	800-833	*Safety Hook Latch Kit — 1/2 & 1 Ton	1
15	800-834	Screw — Flat Head, Self-Threading	2

†Recommended Spares

*Furnished as standard with hook

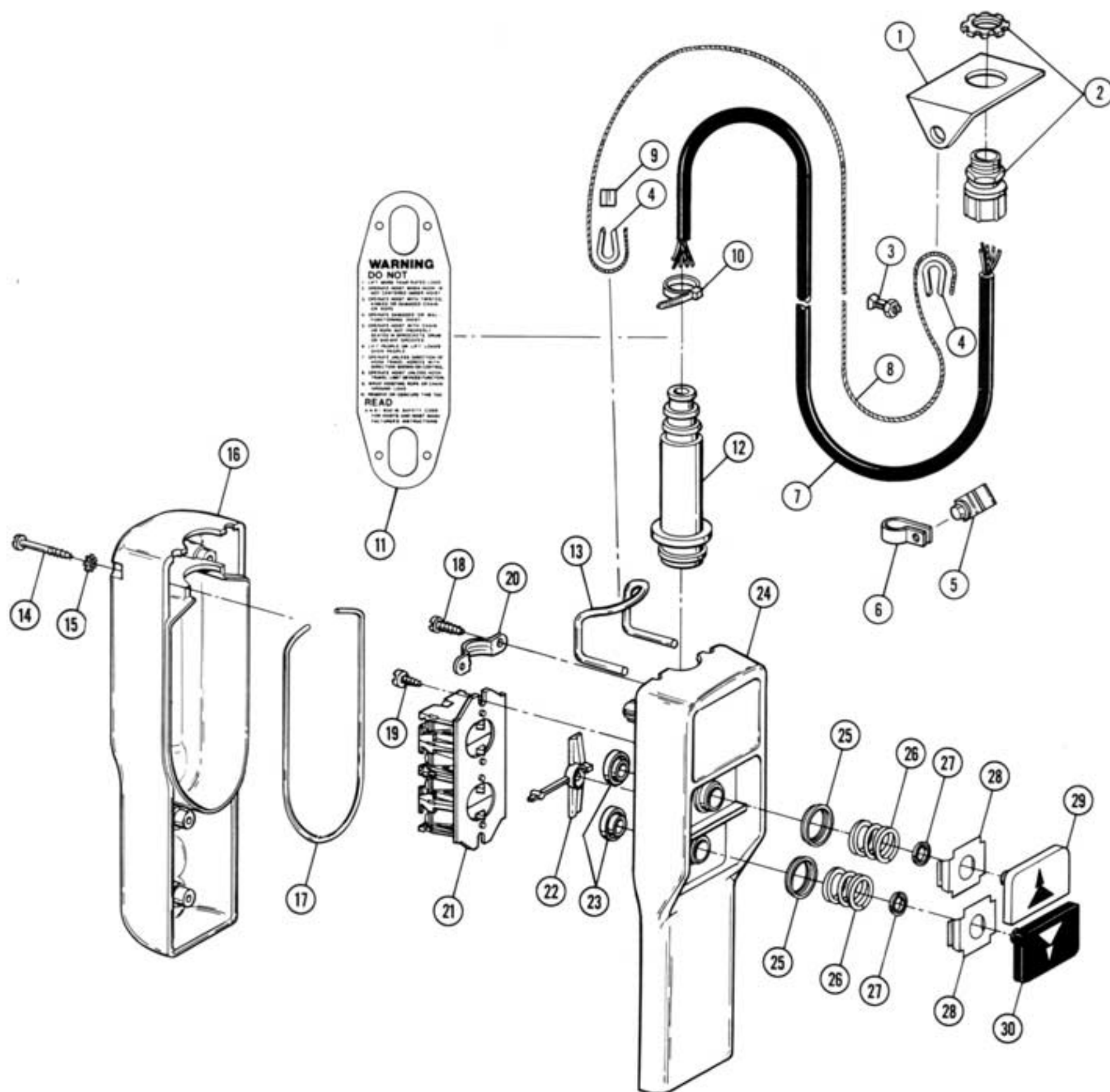
Figure 9-8. Push Button Station and Conductor Cable Assembly. (Cont'd.)

Ref. No.	Part Number	Description	Qty. Req'd.
12	800-1814	Sleeve — Conductor	1
13	*	Support — Strain Cable	1
14	*	Screw — Slotted Head	4
15	*	Lockwasher	4
16	*	Enclosure — Rear	1
17	*	Gasket	1
18	*	Screw — Slotted Head	2
19	*	Screw — Slotted Head	2
20	*	Clamp — Conductor	1
21	*	Contact Block Assembly	1
	800-1815	Contact Block (ZB2-BE101)	2
	800-1816	Contact Block (ZB2-BE201)	2
22	*	Interlock — Mechanical	1
	800-1817	Up Push Button Assembly (Includes 1 Each of Ref. Nos. 23 and 25 thru 29)	1
	800-1818	Down Push Button Assembly (Includes 1 Each of Ref. Nos. 23, 25 thru 28 and 30)	1
23	**	Ring — Retaining	2
24	*	Enclosure — Front	1
25	**	Seat — Spring	2
26	**	Spring	2
27	**	Seal	2
28	**	Plate — Push Button	2
29	**	Push Button — Up	1
30	**	Push Button — Down	1

*Not available separately. Order Push Button Station.

**Not available separately. Order Push Button Assembly.

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12721

Figure 9-8. Push Button Station and Conductor Cable Assembly.
Two Speed Hoists Only.

Ref. No.	Part Number	Description	Qty. Req'd.
	800-1801	Push Button Station and Conductor Cable Assembly (Includes Ref. Nos. 1 thru 30)	1
1	800-1802	Anchor Bracket — Strain Cable	1
2	800-1803	Grip Assembly — Conductor	1
3	800-1804	Connector — Strain Cable	1
4	800-1805	Thimble — Strain Cable	2
5	800-1806	Connector — Conductor to Strain Cable	1
6	800-1807	Clamp — Conductor	1
7	800-1808	Conductor Cable	1
8	800-1809	Strain Cable	1
9	800-1810	Sleeve — Pressure	1
10	800-1811	Tie — Conductor	As Req'd.
11	800-1812	Operator Warning Label	1
	800-1813	Push Button Station (Includes Ref. Nos. 12 thru 30)	1

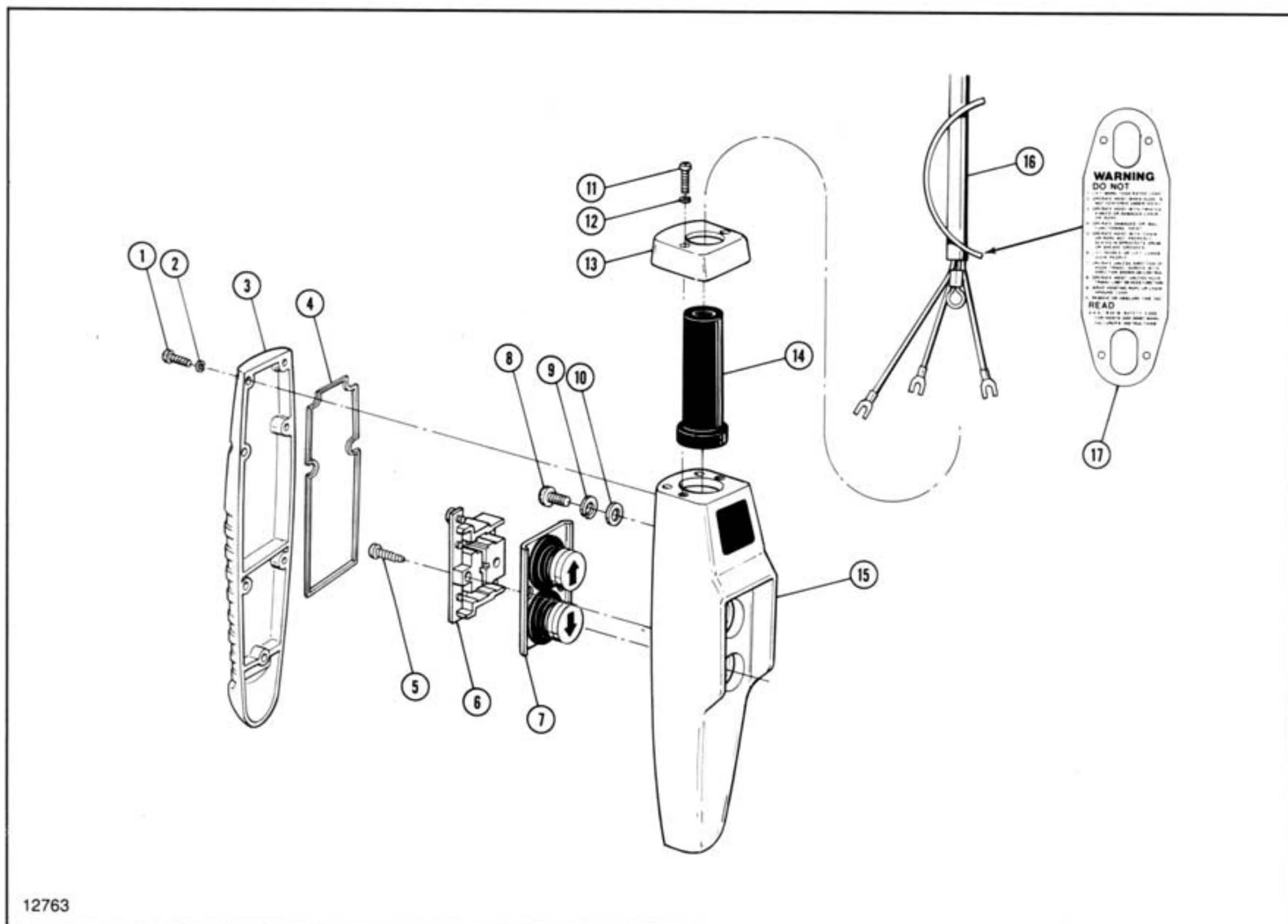


Figure 9-7. Push Button Station and Conductor Cable Assembly.
Single Speed Hoists.

Ref. No.	Part Number	Description	Qty. Req'd.
	800-2701	Push Button Station and Conductor Cable Assembly (Includes Ref. Nos. 1 thru 17)	1
	800-2702	Push Button Station (Includes Ref. Nos. 1 thru 15)	1
1	*	Type 1 Pan Head Machine Screw (M 3.5 x 0.6 x 12 Pltd.)	7
2	*	Lockwasher (M 3.5 Pltd.)	7
3	*	Rear Cover	1
4	800-2703	Gasket	1
5	*	Type 1 Pan Head Thread Cutting Screw (M 4 x 15 Pltd.)	2
6	800-2704	Contact Assembly	1
7	800-2705	Button Assembly	1
8	*	Type 1 Pan Head Machine Screw (M 6 x 1 x 12 Pltd.)	1
9	*	Lockwasher (M 6 Pltd.)	1
10	*	Plain Washer (M 6 Pltd.)	1
11	*	Type 1 Pan Head Machine Screw (M 3.5 x 1 x 14 Pltd.)	2
12	*	Lockwasher (M 3.5 Pltd.)	2
13	*	Housing Cap	1
14	800-2706	Grommet	1
15	*	Housing	1
16	800-2707	Conductor Cable Assembly	1
17	800-2708	Plastic Warning Tag	1

*Not available separately. Order Push Button Station.

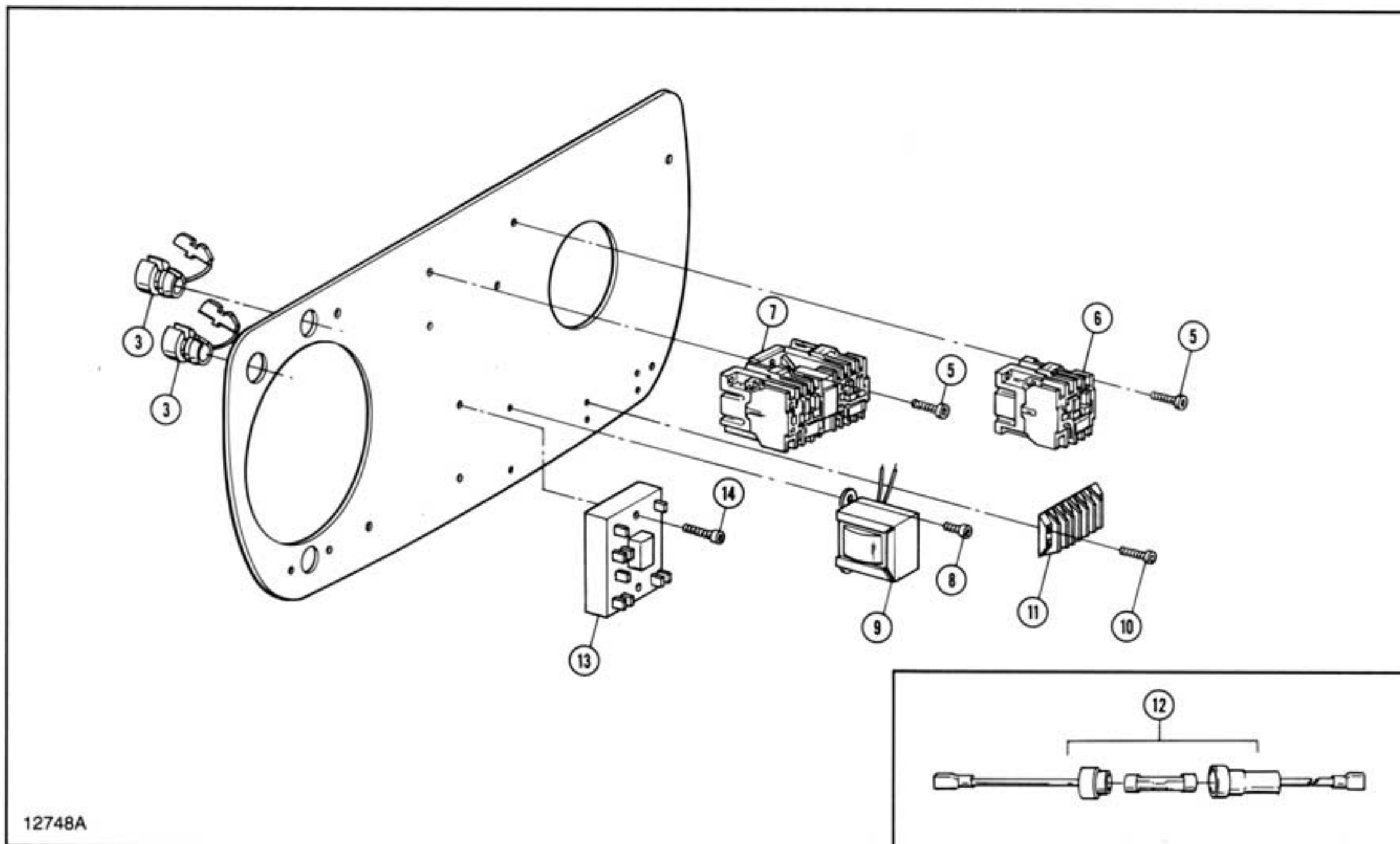
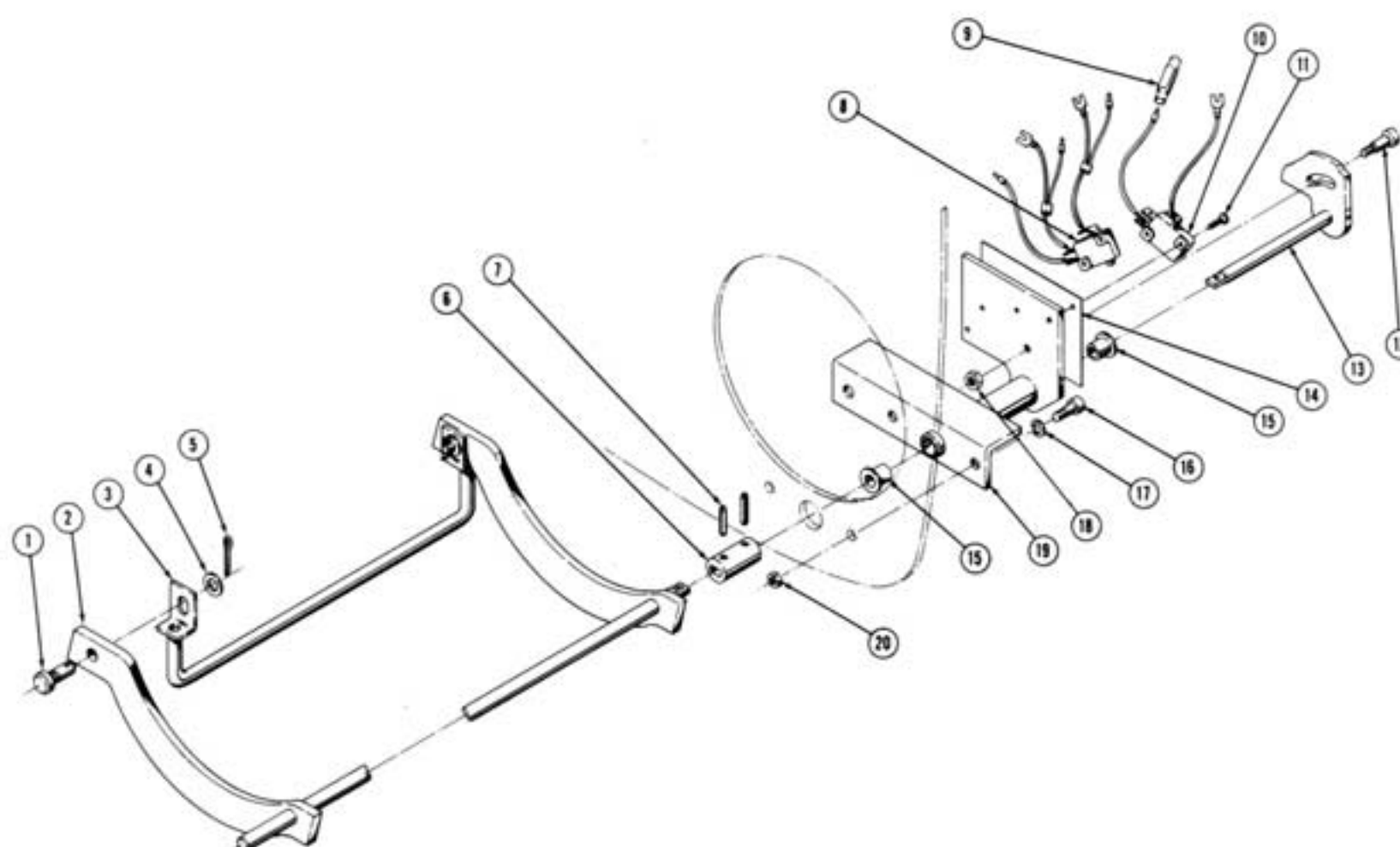


Figure 9-6. Electrical Control Equipment.

Ref. No.	Part Number	Description	Qty. Req'd.
3	800-670	Cord Grip — Conductor	2
5	800-654	Screw — Self-Tapping	4
6†	800-655	Contactor — Two Speed	1
7†	800-656	Contactor	1
8	800-657	Screw — Self-Tapping	2
9	800-671	Transformer	1
10	800-663	Screw — Self-Tapping	4
11†	800-672	Terminal Board (Reconnectable Hoist Only)	1
12	800-673	Fuse, Fuse Holder and Wire Assembly	1
	800-674	Fuse Only (2A, 300V)	1
13	800-675	Brake Module	1
14	800-676	Screw — Self-Tapping	2

†Recommended Spares

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Figure 9-5. Upper Limit Switch Parts.

Ref. No.	Part Number	Description	Qty. Req'd.
1	800-501	Pin — Pivot	2
2	800-502	Arm — Lever	1
	800-503	Short Frame	
	800-526	Long Frame	
	800-527	First Extension	
	800-527	Second Extension	
3	800-504	Lever — Floating	1
	800-504	Short Frame	
	800-505	Long Frame	
	800-528	First Extension	
	800-529	Second Extension	
4	800-506	Washer	2
5	800-507	Pin — Cotter	2
6	800-525	Coupling	1
7	800-509	Pin — Roll	2
8†	800-510	Switch Assembly — Limit, Reversing (Includes Wire Leads)	1
9	800-511	Connector — Wire	3
10†	800-512	Switch Assembly — Limit, Stop (Includes Wire Leads)	1
11	800-513	Screw — Round Head	4
12	800-514	Screw — Socket Head Shoulder	1
13	800-515	Shaft & Cam Assembly	1
14	800-516	Insulator — Limit Switch	1
15	800-517	Bearing — Nylon	2
16	800-518	Screw — Socket Head Cap	2
17	800-519	Lockwasher	2
18	800-520	Nut — Lock	1
19	800-521	Bracket Assembly — Mounting	1
20	800-522	Nut — Hex	2

†Recommended Spares

NOTES

Figure 9-4A. Hoist Motor Brake (Cont'd).

Ref. No.	Part Number	Description	Qty. Req'd.
25	*	Brake Support Stud	2
26	*	Separating Spring	2
27	800-2404	Brake Mounting Plate	1
28	*	Hex Socket Head Self Locking Set Screw - Cup Point (1/4-20 x 3/8)	2
29	*	Brake Hub	1
30	*	Hex Socket Head Screw (3/8-16 x 3/4)	2
31	*	Lock Washer (3/8)	2
	*	Wire Nuts - Not Shown (No. 22 thru 14 AWG)	4

* Not available as individual parts. See replacement kits listed below.
Kits include quantities shown above.

Kit Description	Part Number	Reference Numbers Included
Brake Disc	800-2405	23, 24, 26
Brake Lever	800-2406	6, 15, 17, 18, 19, 20, 21 (Red Color), 22, Adjusting Screw Label, Brake Adjust Label - Discard Zinc Colored Spring
Rectifier	800-2407	12, 13, 4 Wire Nuts
Hardware	800-2408	1, 3, 4, 5, 7, 9, 10, 12, 16, 18, 20, 25, 28, 30, 31, Instruction Label, Power Warning Label
Brake Hub	800-2409	28, 29, Hub Drive Key (Shown Elsewhere)
Solenoid	800-2410	8

NOTES

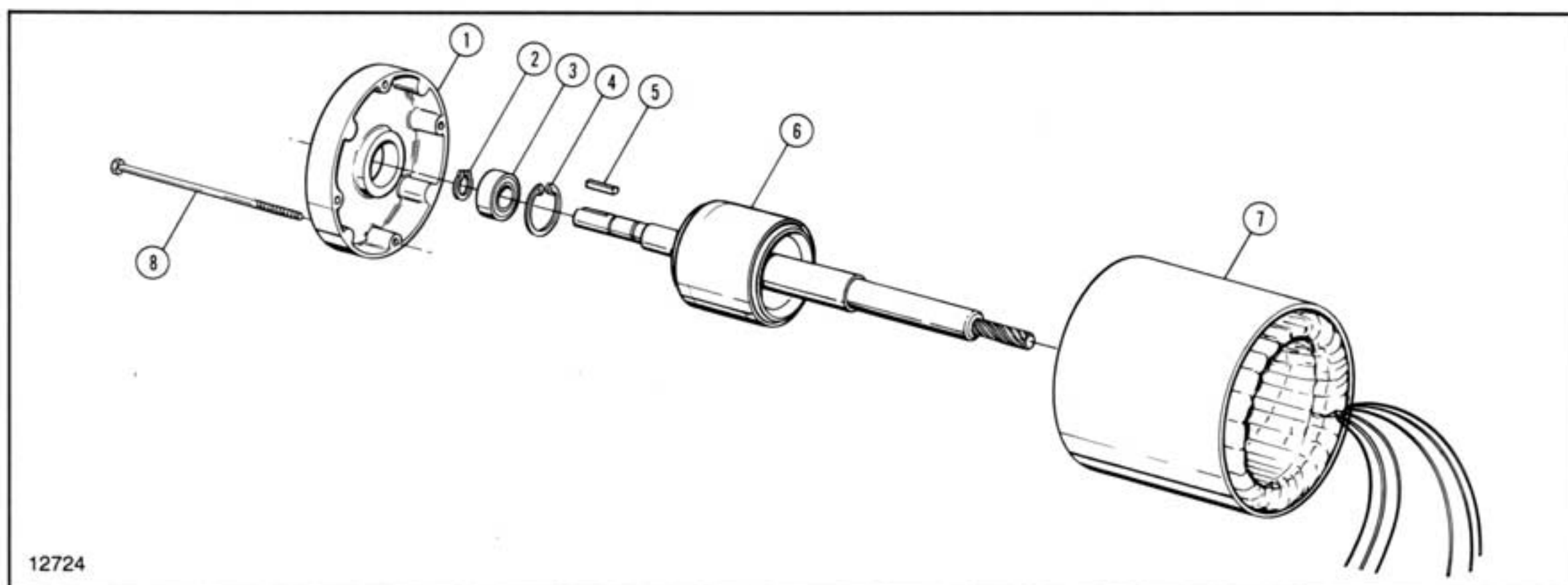


Figure 9-3. Three Phase Motor Assembly.

Ref. No.	Part Number	Description	Qty. Req'd.
		Motor Assembly (Includes Ref. Nos. 1 thru 8)	1
	800-1301	1 Horsepower (1 Speed)	
	800-1302	200 Volt	
	800-1303	230/460 Volt	
		575 Volt	
	800-1304	2 Horsepower (1 Speed)	
	800-1305	200 Volt	
	800-1306	230/460 Volt	
		575 Volt	
	800-1307	4 Horsepower (1 Speed)	
	800-1308	200 Volt	
	800-1309	230/460 Volt	
		575 Volt	
	800-1310	1 - 1/3 Horsepower (2 Speed)	
	800-1311	200 Volt	
	800-1312	230 Volt	
	800-1313	460 Volt	
		575 Volt	
	800-1314	2 - 2/3 Horsepower (2 Speed)	
	800-1315	200 Volt	
	800-1316	230 Volt	
	800-1317	460 Volt	
		575 Volt	
	800-1318	3 - 1 Horsepower (2 Speed)	
	800-1319	200 Volt	
	800-1320	230 Volt	
	800-1321	460 Volt	
		575 Volt	
	800-1322	4 - 2 Horsepower (2 Speed)	
	800-1323	200 Volt	
	800-1324	230 Volt	
	800-1325	460 Volt	
		575 Volt	
1	*	Bell — End	1
2	*	Ring — Retaining	1
3	*	Bearing — Ball	1
4	*	Ring — Retaining	1
5	*	Key — Brake	1
6	*	Rotor and Shaft Assembly	1
7	*	Stator Assembly	1
8	*	Bolt — Motor Mounting	4

*Furnished only as part of motor assembly.

Figure 9-2. Gearing and Load Brake Parts. (Cont'd.)

Ref. No.	Part Number	Description	Qty. Req'd.
19	800-269	Cover — Oil Hole	1
20	800-224	Pipe Plug — Hex Socket	1
21†	800-225	Oil Seal — Motor Shaft	1
22†	800-226	Bearing Assembly — Ball, Motor Shaft	1
23†	800-227	Bearing Assembly — Needle, Load Brake Shaft	1
24	800-228	Ring — Retaining, Motor Shaft Bearing	1
25	800-229	Washer — Thrust (Steel)	1
		Brake Assembly — Load, Complete (Includes Items 26 thru 37)	1
	800-230	23 Teeth	
	800-231	36 Teeth	
	800-267	24 Teeth	
	800-232	18 Teeth	
26	800-233	Ring — Retaining, Brake Flange	1
27	800-234	Flange — Load Brake	1
28*	800-235	Washer — Friction	2
29	800-236	Pawl & Ratchet Assembly — Load Brake (Available Only As An Assembly)	1
30	800-237	Bushing — Ratchet	1
31	800-238	Gear & Center Assembly	1
32	800-239	Pin — Groove	2
33†	800-240	Cam — Load Brake	1
34†	800-241	Spring — Load Brake	1
35	800-242	Retainer — Spring, Load Brake	1
36	800-243	Key — Woodruff	2
37		Shaft & Integral Pinion — Load Brake	1
	800-244	23 Teeth	
	800-245	36 Teeth	
	800-268	24 Teeth	
	800-246	18 Teeth	
38†	800-247	Washer — Thrust (Used With 800-246 Only)	1
39†	800-248	Washer — Thrust (Bronze)	1
40†	800-249	Bearing Assembly — Needle, Load Brake Shaft	1
*	800-250	Load Brake — Clutch Assembly With Bearings (Complete)	1
**	800-251	Load Brake — Clutch Assembly (Includes Items 26 thru 30, 34, 36 thru 38 and 43 thru 45)	1
43	800-254	Spring Retainer	} Available only as part of 800-250 or 800-251 above
44	800-253	Brake Gear, Center	
45	800-252	Clutch Assembly	
46	800-260	Ring — Retaining	3
47	800-263	Oil Seal — Drum Shaft	1
48	800-261	Bearing Assembly — Ball, Drum Shaft	1
49	800-262	Shaft — Drum	1

†Recommended spares

*Recommended Replacement Kit for Load Brake Clutch (Complete)

**Replacement Complete, Less Bearings and Thrust Washers

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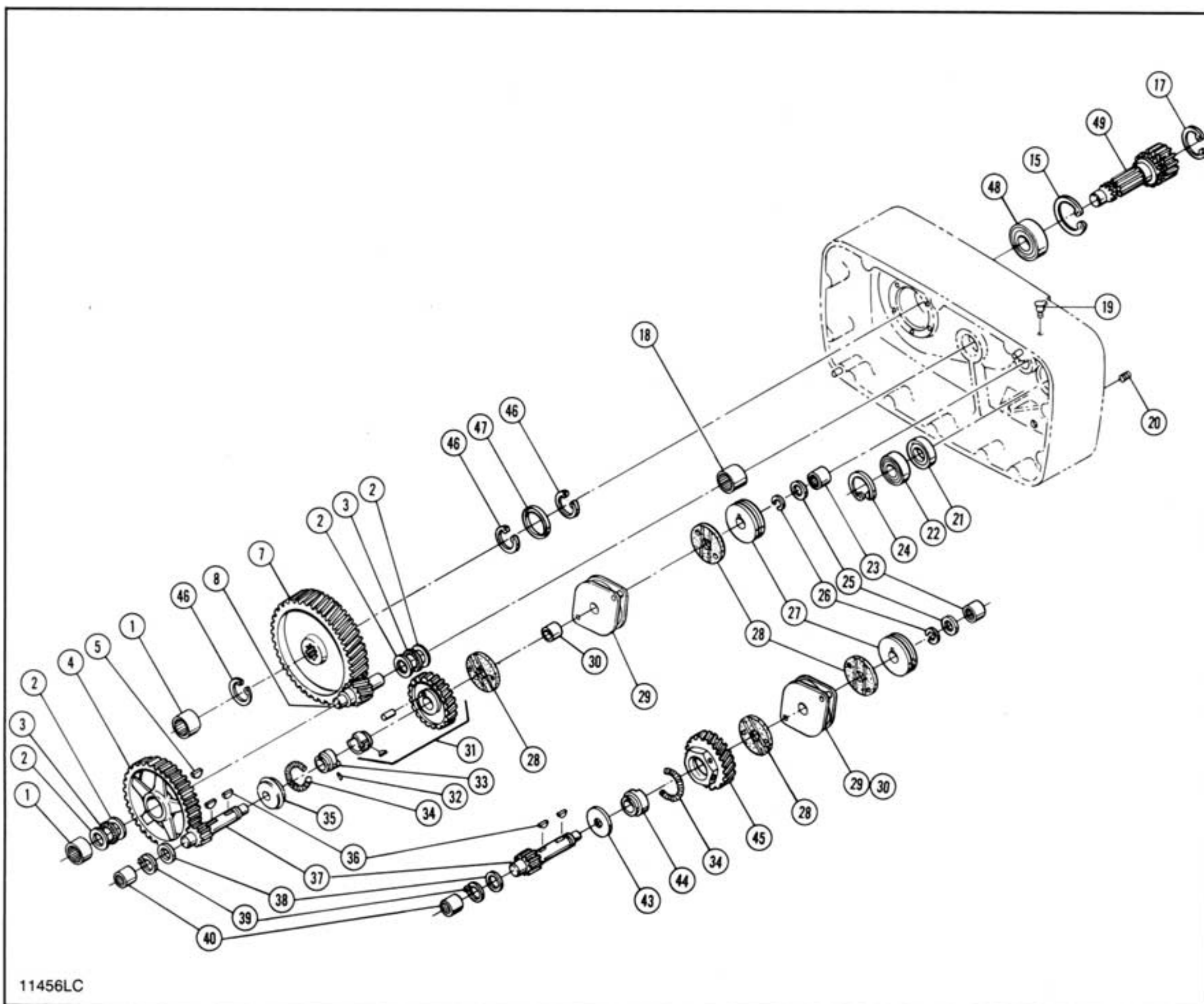


Figure 9-2. Gearing and Load Brake Parts.

Ref. No.	Part Number	Description	Qty. Req'd.
1†	800-201	Bearing Assembly — Needle, Intermediate & Drum Gear Shaft	2
2†	800-202	Race — Thrust Bearing	4
3†	800-203	Bearing Assembly — Needle Thrust	2
4		Gear — Intermediate	1
	800-204	104 Teeth	
	800-205	109 Teeth	
	800-266	103 Teeth	
	800-206	90 Teeth	
5	800-207	Key — Woodruff	1
7		Gear — Drum	1
	800-209	71 Teeth	
	800-210	61 Teeth	
8		Shaft — Intermediate Gear	1
	800-211	14 Teeth	
	800-212	24 Teeth	
15	800-219	Ring — Retaining, Drum Shaft Bearing	1
17	800-221	Ring — Retaining	1
18†	800-222	Bearing Assembly — Roller, Intermediate Shaft	1

Figure 9-1. Frame, Gearcase & External Parts. (Cont'd.)

Ref. No.	Part Number	Description	Qty. Req'd.
52	800-169	Shaft — Sheave (Double Reeved Models)	1
53	800-170	Bracket, Sheave (Double Reeved Models)	1
54†	800-171	Bearing, Sheave (Double Reeved Models)	1
55†	800-172	Sheave Assembly, Upper (Double Reeved Models) Includes Bearing	1
56†		Rope & Thimble Assembly (Double Reeved Models)	1
		1/2 & 1 Ton (3/16" Dia. Rope)	
	800-174	18' Lift	
	800-176	34' Lift	
	800-2119	47' Lift	
		2 Ton — (1/4" Dia. Rope)	
	800-173	14' Lift	
	800-175	25' Lift	
	800-2120	36' Lift	
57	800-177	Plug, Pin	2
58	800-178	Bolt, Hex Head	12
61	800-196	Label, Rated Load (Specify Rated Load)	1

†Recommended spares

NOTES

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Figure 9-1. Frame, Gearcase & External Parts. (Cont'd.)

Ref. No.	Part Number	Description	Qty. Req'd.
9		Frame Assembly (Single Reeved Models)	1
		1/2, 1 & 2 Ton	
	800-117	Short Frame	
	800-118	Long Frame	
		3 Ton	
	800-2106	First Extension	
	800-2107	Second Extension	
		5 Ton	
	800-2108	First Extension	
	800-2109	Second Extension	
9A		Frame Assembly (Double Reeved Models)	1
		1/2, 1 & 2 Ton	
	800-2110	Short Frame	
	800-2111	Long Frame	
	800-2112	First Extension	
12	800-121	Closure — 1/2" Plug	3
14	800-124	Nut — Hex (Double Reeved Models)	4
15	800-125	Lockwasher (Double Reeved Models)	4
19		Shaft — Extension, Drum	1
	800-130	Short Frame	
	800-131	Long Frame	
	800-2113	First Extension	
	800-2114	Second Extension	
20	800-132	Key — Woodruff ("Hi-Pro" Type)	1
21	800-133	Ring — Retaining, Hub (Internal)	1
22†	800-134	Bearing — Drum Shaft	1
23	800-135	Ring — Retaining, External	1
24	800-136	Ring — Retaining, Beveled Hub (Internal)	1
25	800-137a	Plate Assembly — Base	1
26	800-138	Lockwasher	16
27	800-139	Screw — Hex Socket Head Cap	4
29	800-194c	Cover Assembly — Electrical	1
30	800-2121	Screw — Self-Tapping	2
32	800-146a	Plate Assembly — Base (Short Frame)	1
34	800-2122	Shell — Brake, Short Frame	1
35	800-149	Screw — Self-Tapping	2
41	See Fig. 9-3 & Fig. 9-4	Motor & Brake	1
43	800-155	Screw — Hex Socket Head	1
44	800-156	Lockwasher	1
45†		Rope & Thimble Assembly (Single Reeved Models)	1
		1/2 & 1 Ton (1/4" Dia. Rope)	
	800-158	25' Lift	
	800-161	50' Lift	
		2 Ton (5/16" Dia. Rope)	
	800-157	20' Lift	
	800-160	40' Lift	
		3 Ton (5/16" Dia. Rope)	
	800-2115	30' Lift	
	800-2116	45' Lift	
		5 Ton (5/16" Dia. Rope)	
	800-2117	20' Lift	
	800-2118	30' Lift	
47	800-164	Screw — Hex Socket Head	4
48	800-165	Roll Pin	2
49	800-166	Lockwasher	2
50	800-167	Screw — Hex Head Cap	2
51	800-168	Key Plate	1

†Recommended spares

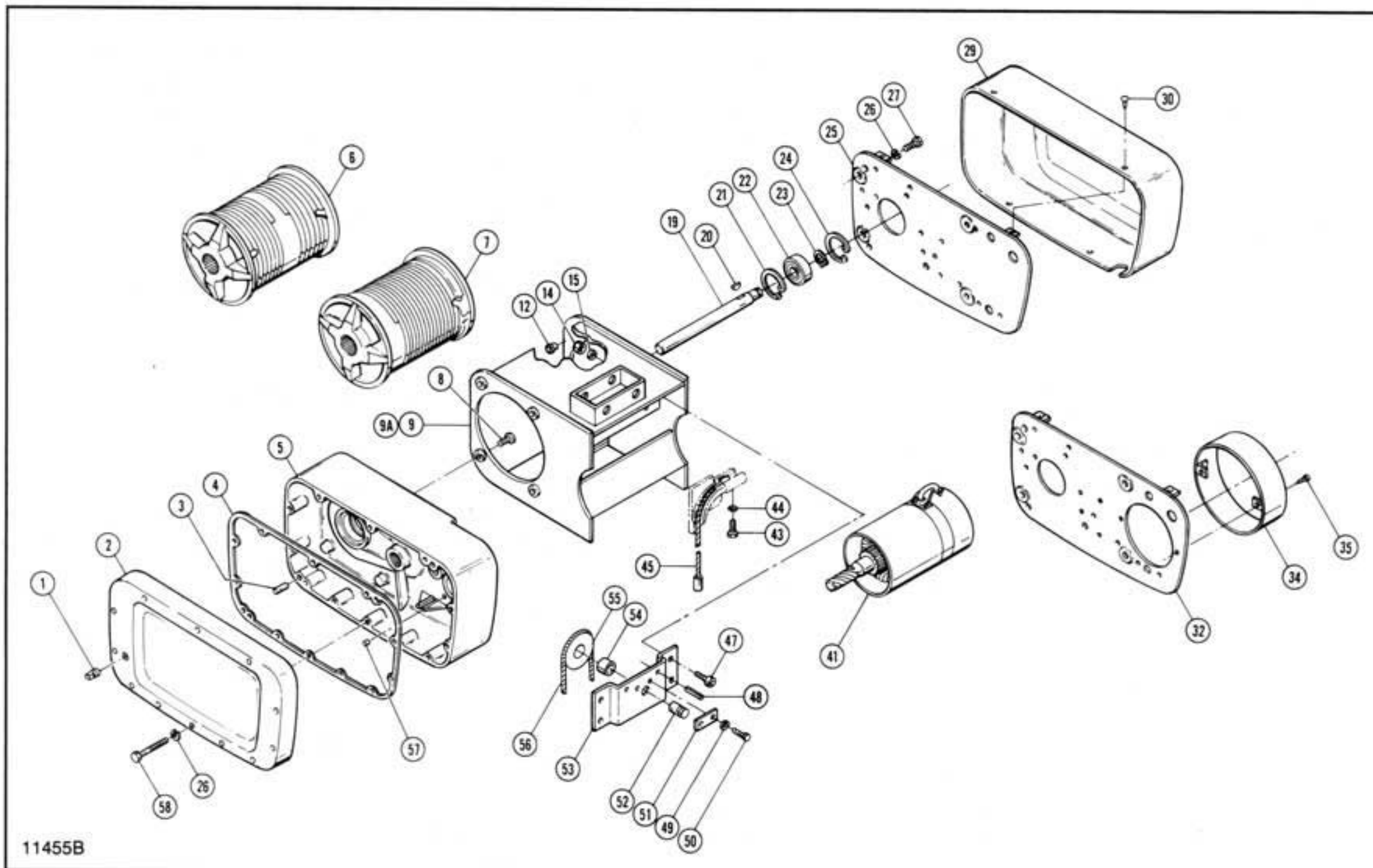


Figure 9-1. Frame, Gearcase & External Parts.

Ref. No.	Part Number	Description	Qty. Req'd.
1	800-197	Plug — Oil Level	1
2	800-192	Cover & Bearing Assembly — Gearcase	1
3	800-105	Dowel	2
4†	800-106	Gasket — Gearcase	1
5	800-107	Gearcase & Bearing Assembly	1
6		Drum & Hub Assembly (Double Reeved Models) 1/2 & 1 Ton (3/16" Dia. Rope)	1
	800-109	18' Lift	
	800-111	34' Lift	
	800-2100	47' Lift	
		2 Ton (1/4" Dia. Rope)	
	800-108	14' Lift	
	800-110	25' Lift	
	800-2101	36' Lift	
7		Drum & Hub Assembly (Single Reeved Models) 1/2 & 1 Ton (1/4" Dia. Rope)	1
	800-113	25' Lift	
	800-115	50' Lift	
		2 Ton (5/16" Dia. Rope)	
	800-112	20' Lift	
	800-114	40' Lift	
		3 Ton (5/16" Dia. Rope)	
	800-2102	30' Lift	
	800-2103	45' Lift	
		5 Ton (5/16" Dia. Rope)	
	800-2104	20' Lift	
	800-2105	30' Lift	
8	800-116	Screw — Hex, Socket Button Head — Self-Locking	4

- a. Remove four screws and lift off switch cover.
- b. Lift and hold up locking plate while making adjustment.
- c. Turn proper adjustment disc (right for up, left for down) toward switch to reduce hook travel or away from switch to increase hook travel.
- d. Release locking plate and ensure slots on adjustment disc are engaged.
- e. Replace cover.

WARNING

Check limit switch operation carefully, without load, before placing hoist in service. If misadjusted, SEVERE DAMAGE AND/OR A DROPPED LOAD COULD RESULT. Allow 6" for hook drift in both directions. Never allow less than 1-1/2 complete wraps of rope on drum with hook in lowest position.

Provide a light film of NLGI No. 2 grease on bevel gear of limit switch.

7-5. OVERLOAD CLUTCH ADJUSTMENT.

When properly adjusted, the overload device is designed so that the hoist will lift its full rated load but will refuse to lift an excessive overload. The overload clutch is not externally adjustable. It is necessary to remove the overload clutch assembly from the hoist for proper adjustment. Therefore, it is strongly recommended that when adjustment and/or replacement parts are required, a CM Polaris Authorized Repair Station be contacted. Refer to page 36 for nearest CM Repair Station.

SECTION VIII—WIRING DIAGRAMS

Wiring diagrams for CM Polaris electric hoists have been omitted from this book because of many possible variations. This is due to different currents and types of electrical components used in their construction. A print of the correct wiring diagram for each hoist is furnished as a separate insert and shipped with hoist. We suggest you carefully file the wiring diagram with this book for future reference.

WHEN ORDERING PARTS OR INFORMATION ON THIS EQUIPMENT, ALWAYS INCLUDE MODEL AND SERIAL NUMBER ON ORDER.

SECTION IX—PARTS LIST

9-1. GENERAL. The parts lists and illustrations in this section of the manual, cover parts for all standard CM Polaris Electric Hoists. A typical hoist is shown as the basis for the exploded parts illustrations; therefore, certain variations may occur from the information given. For this reason, always give the Hoist Serial Number, Catalog Number, Motor Horsepower, Voltage, Phase, Frequency and Rated Load of Hoist when ordering parts.

Certain parts of your hoist will, in time, require replacement under normal wear conditions. It is suggested that these parts be purchased for your hoist as spares for future use. These parts are indicated by a (†) symbol at the right side of the parts reference numbers.

The numbers assigned to the parts of our various assemblies in our parts list are not the part numbers used in manufacturing the part. They are identification numbers, that when given with the model number, permit us to identify, select or manufacture, and ship the correct part needed.

9.2

INDEX OF EXPLODED VIEW PARTS ILLUSTRATIONS

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