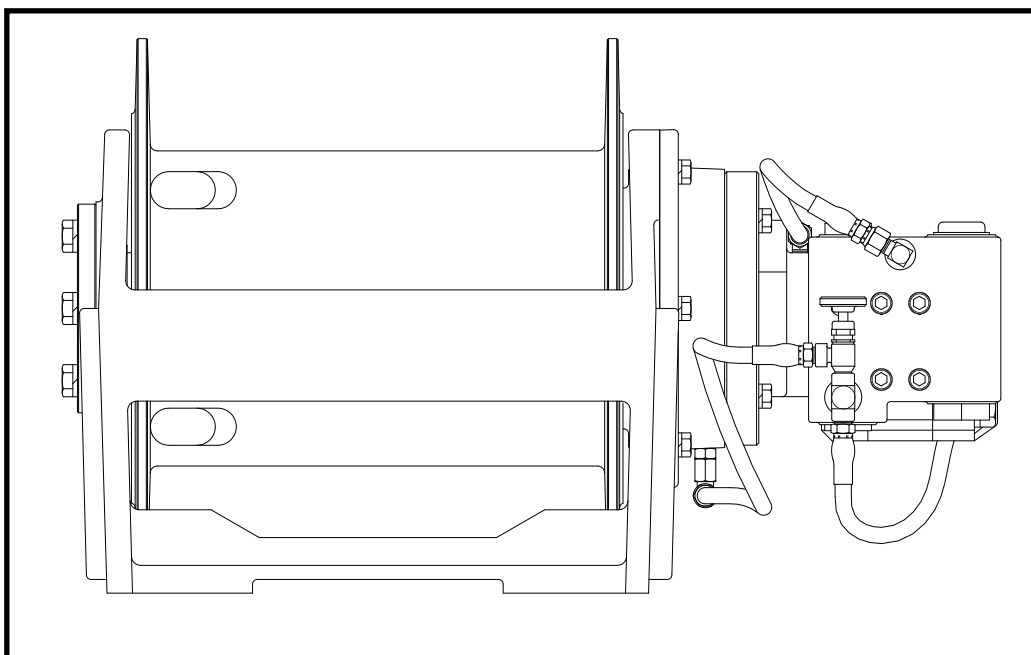


BRADEN[®]

BG8A and BG8B

HYDRAULIC WINCH

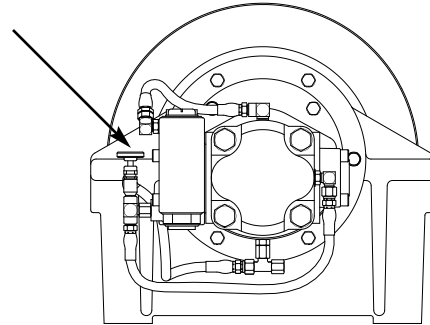
MATERIAL LIST



PACCAR WINCH DIVISION
P.O. BOX 547 BROKEN ARROW, OK U.S.A. 74013
PHONE (918) 251-8511 FAX (918) 259-1575
www.paccarwinch.com

FOR BEST RESULTS, USE ONLY GENUINE BRADEN REPLACEMENT PARTS

Serial Numbers and Model Numbers are located to the left hand side of the hydraulic motor, stamped into the base. Always refer to the Serial Number and Model Number when requesting information or service parts.



EXPLANATION OF MODEL NUMBER

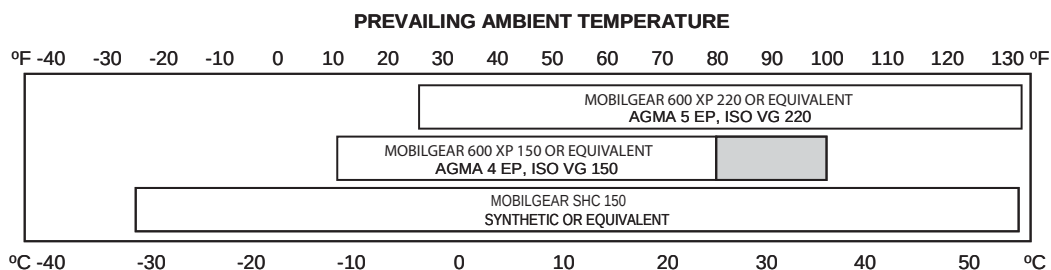
BG	8	B	34	039	01	1
BRADEN GEARMATIC	MAX RATING	DESIGN MODEL	GEAR RATIO	MOTOR SIZE	DRUM SIZE	PERSONNEL HANDLING

BG	DESIGNATES BRADEN GEARMATIC
8	DESIGNATE 8,000 LB FIRST LAYER LINE PULL
B	DESIGNATES THE MODEL SERIES RELATING TO DESIGN CHANGES
34	DESIGNATES TOTAL GEAR REDUCTION (23 = 23.06:1; 34 = 34.2:1; 59 = 59.06:1; 69/23 ^[69.19:1 Hoist] _{23.06:1 Lower})
039	DESIGNATES HYDRAULIC MOTOR DISPLACEMENT IN CU IN/REV (DECIMAL POINT ELIMINATED - EXAMPLE 039 – 3.9 CU IN/REV)
01	DESIGNATES THE DRUM OPTION
-1	MEETS API 2C RECOMMENDATION

TO ORDER PARTS -

- (1) List model and serial numbers of the winch.
- (2) Refer to exploded view and select the component(s) needed and note item number.
- (3) Find item number on material list, show part number, description and quantity required on your order.
- (4) Refer to Parts Price list and show price for each component or assembly.

RECOMMENDED PLANETARY GEAR OIL



NOTE: SHADED TEMPERATURE RANGE IN THE CHART ABOVE NOT RECOMMENDED FOR SEVERE APPLICATIONS SUCH AS: OFFSHORE CRANES, SUSTAINED FAST DUTY CYCLES OR FREQUENT LIFTING.

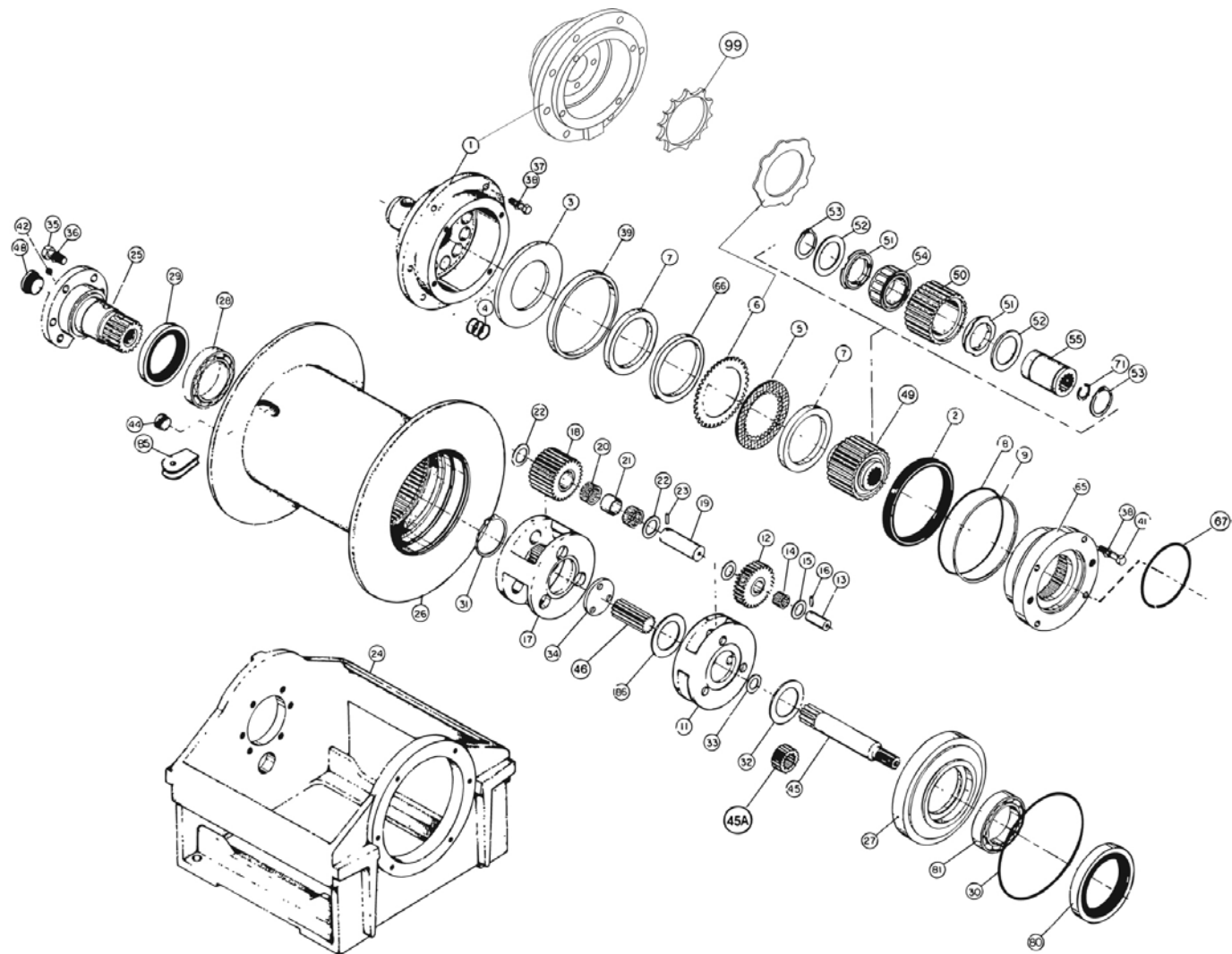
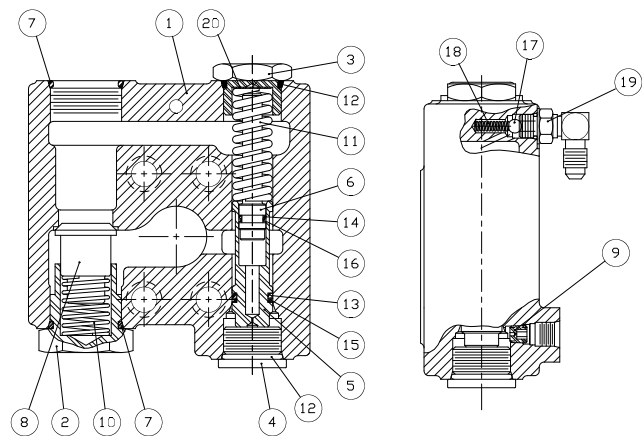
Planetary hoists are factory filled with Mobilgear 600 XP 150, or equivalent. Consult your oil supplier for other equivalent oils if required.

Mobil	Shell	Chevron	Texaco
Mobilgear 600 XP 150	Omala 150	Gear Compounds EP 150	Meropa 150
Mobilgear 600 XP 220	Omala 220	Gear Compounds EP 220	Meropa 220

Refer to Service Bulletin No. 503 for additional gear oil information.

BRADEN BG8A & BG8B COMPONENTS

SEAL KITS	
PART NO.	DESCRIPTION
62275	BG8A- EQUAL SPEED WINCHES INCLUDES ITEMS 2, 8, 29, 30, 43, 48, & 80
62276	BG8A- HIGH SPEED REVERSE WINCHES INCLUDES ITEMS 29, 30, 130, 134 THRU 138, 142, & 143
63674	BG8B- EQUAL SPEED WINCHES INCLUDES ITEMS 2, 8, 9, 29, 43, 67, 80



BRAKE VALVE ASSEMBLY (Item 87)			
ITEM	PART NO.	DESCRIPTION	QTY.
1	NSS	VALVE HOUSING	1
2	NSS	SPRING RETAINER	1
3	NSS	SPRING RETAINER	1
4	NSS	PLUG	1
5	NSS	SPOOL	1
6	NSS	DAMPER PISTON	1
7	24186*	O-RING	1
8	NSS	CHECK VALVE POPPET	1
9	24200	PILOT ORIFICE	1
10	24190	CHECK VALVE SPRING	1
11	24192	SPOOL SPRING	1
12	23601*	O-RING	2
13	24193*	O-RING	1
14	24194*	O-RING	1
15	24195*	BACK-UP RING	1
16	24196*	BACK-UP RING	1
17	21158	CHECK BALL (1/4 in.)	1
18	25480	CHECK BALL SPRING	1
19	25302	ELBOW FITTING	1
20	25661	VALVE SPRING SHIM	--

NSS - NOT SERVICED SEPARATELY. ORDER COMPLETE BRAKE VALVE ASSEMBLY.

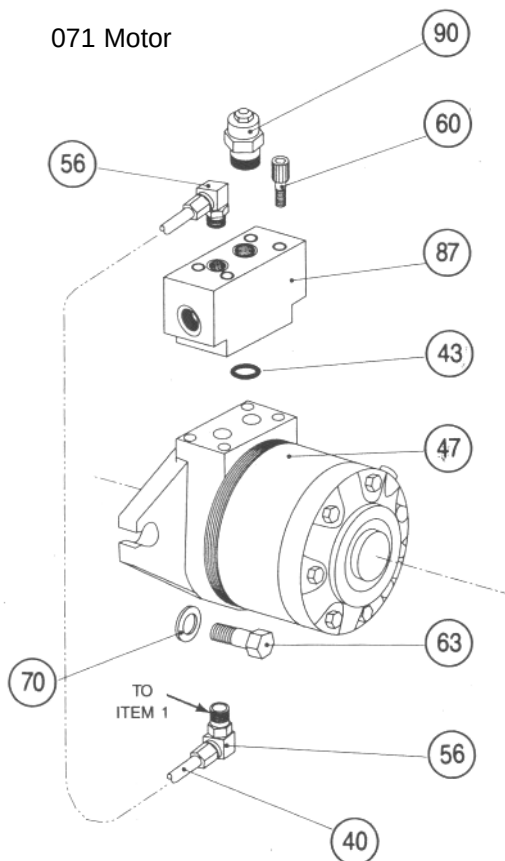
* INCLUDED IN BRAKE VALVE O-RING KIT, PART NUMBER 61567.

BASIC MATERIAL LIST - EQUAL SPEED WINCHES			
ITEM	PART NO.	DESCRIPTION	QTY.
1	28840	BRAKE CYLINDER (BG8A)	1
	102934	BRAKE CYLINDER (BG8B)	1
2	25642	SEAL	1
3	25635	PRESSURE PLATE	1
4	25644**	SPRING (BG8A)	12
	25723**	SPRING (BG8B)	12
5	21036	FRICTION DISC	5
	21029	STEEL DISC (BG8A)	6
6	100027	STEEL DISC (BG8B)	6
7	25637	SPACER	2
8	24981	O-RING	1
9	25643	BACK-UP RING	1
	25512	PRIMARY PLANET CARRIER (23:1 RATIO & HIGH SPEED REVERSE)	1
	25513	PRIMARY PLANET CARRIER (34:1 RATIO)	1
	25329	PRIMARY PLANET CARRIER (59:1 RATIO)	1
11	26273	PRIMARY PLANET GEAR (23:1 RATIO & HIGH SPEED REVERSE)	3
	26275	PRIMARY PLANET GEAR (34:1 RATIO)	3
	26271	PRIMARY PLANET GEAR (59:1 RATIO)	3
13	25332	PRIMARY PLANET GEAR SHAFT	3
14	25333	ROLLER BEARING	3
15	24914	THRUST WASHER	6
16	12026	ROLLPIN	3
17	25514	OUTPUT PLANET CARRIER (23:1, 34:1 RATIO & HIGH SPEED REVERSE)	1
	25202	OUTPUT PLANET CARRIER (59:1 RATIO)	1
	26274	OUTPUT PLANET GEAR (23:1, 34:1 RATIO & HIGH SPEED REVERSE)	3
	26272	OUTPUT PLANET GEAR (59:1 RATIO)	3
19	25666	PLANET GEAR SHAFT	3
20	24175	ROLLER BEARING	6
21	24890	BEARING SPACER	3
22	25361	THRUST WASHER	6
23	21049	ROLLPIN	3
24	25977	BASE	1
	28843	BEARING SUPPORT (STANDARD)	1
25	29685	BEARING SUPPORT (H)	1
	28842	CABLE DRUM (BG8A)	1
26	103312	CABLE DRUM (BG8B)	1
	28841	CABLE DRUM CLOSURE (BG8A)	1
27	103313	CABLE DRUM CLOSURE (BG8B)	1
28	25299	BEARING (2 USED ON HIGH SPEED REVERSE)	1
29	28844	OIL SEAL (2 USED ON HIGH SPEED REVERSE)	1
30	22358	O-RING (BG8A ONLY)	1
31	25528	SNAP RING	1
32	25300	THRUST WASHER	1
	27426	THRUST WASHER (23:1 RATIO) NOT USED WITH 071 MOTOR	1
33	25942	THRUST WASHER (34:1 RATIO)	1
	24913	THRUST WASHER (59:1 RATIO)	1
34	25542	THRUST PLATE	1
35	104174	CAPSCREW (½ - 13 X 1¼ G8 Z)	6
36	11026	LOCKWASHER (½)	6
37	104132	CAPSCREW (3/8 - 16 X 1¼ G8 Z)	6
38	27152	LOCKWASHER (3/8)	10
39	25636	PISTON BACK-UP RING	1
41	104311	CAPSCREW (3/8 - 16 X 1¼ G8 Z)	4
42	18062	VENT PLUG	1
	22374	PLUG (HIGH SPEED REVERSE)	1
44	32411	O-RING FLUSH PLUG (-8)	1
45	102928	PRIMARY SUN GEAR (23:1 & 59:1 RATIO)	1
	25511	PRIMARY SUN GEAR (34:1 RATIO)	1
45A	25507	PRIMARY SUN GEAR ADAPTER (23:1 RATIO ONLY)	1
46	25509	OUTPUT SUN GEAR (23:1, 34:1 RATIO & HIGH SPEED REVERSE)	1
	24891	OUTPUT SUN GEAR (59:1 RATIO)	1
	25386	MOTOR (020)	1
47	25385	MOTOR (029)	1
	25515	MOTOR (039)	1
	40258	MOTOR (071)	1
48	24420	PLUG	1
	25958	SIGHT GAUGE (-1 PERSONNEL HANDLING WINCHES)	1
49	81987	BRAKE CLUTCH ASSEMBLY (INCLUDES ITEMS 50 THRU 55 & 71)	1
50	NSS*	OUTER BRAKE RACE	1
51	27684	SPRAG BEARING	2
52	24581	THRUST BEARING	2
53	12034	RETAINING RING	2
54	NSS*	SPRAG CLUTCH	1
55	NSS*	INNER BRAKE RACE	1
65	25920	MOTOR SUPPORT (BG8A)	1
	102933	MOTOR SUPPORT (BG8B)	1
66	24892	BRAKE SPACER	2
67	21063	O-RING	1
71	32115	INTERNAL RETAINING RING	1
80	28994	OIL SEAL (BG8A)	1
	22818	OIL SEAL (BG8B)	1
81	72385	BEARING	1
83	24934	RETAINING RING (23:1 RATIO)	2
	74780	CABLE ANCHOR - STANDARD (3/8 TO 9/16)	1
85	24119	CABLE ANCHOR (1/4 & 5/16)	1
	26095	CABLE ANCHOR (5/8 & 3/4 POLY ROPE ONLY)	1
86	76142	THRUST WASHER	1
99	100200	SPRING SPACER (BG8B ONLY)	1

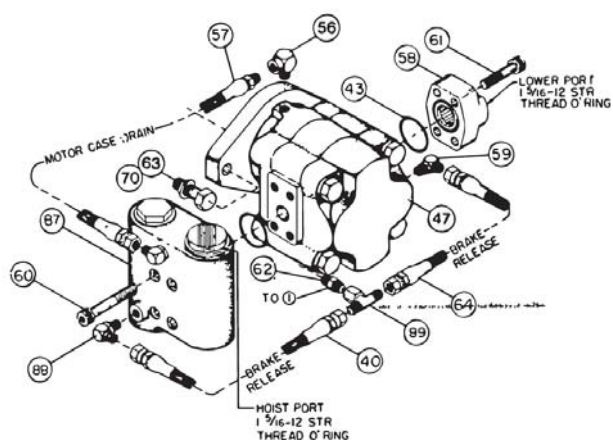
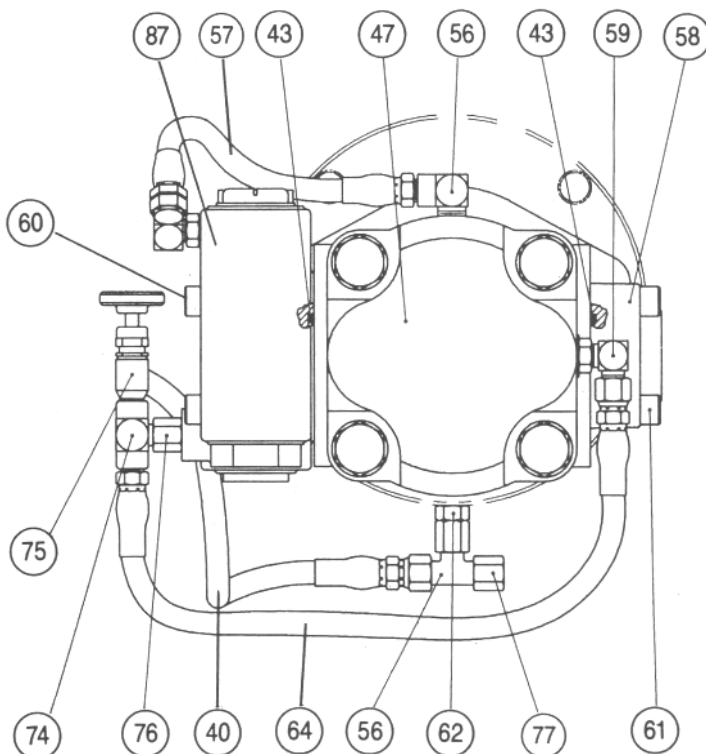
* NSS - NOT SERVICED SEPARATELY, ORDER COMPLETE BRAKE CLUTCH ASSEMBLY.

** DO NOT REPLACE INDIVIDUAL SPRINGS. REPLACE ALL SPRINGS AS A SET.

071 Motor

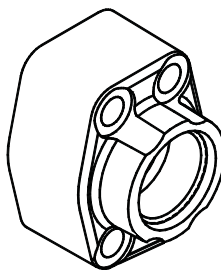


-01 Personnel Handling

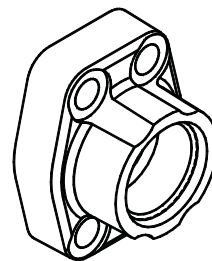


020, 029 AND 039 MOTORS

SPLIT FLANGE ADAPTER



EARLY - Use socket head cap screws 13544.



CURRENT - Use socket head cap screws 13827.

PART NO.	DESCRIPTION
25539	Split Flange Adapter

MOTOR GROUP					
ITEM	020, 029 039 MOTORS	071 MOTOR	-1 (PERSONNEL HANDLING)	DESCRIPTION	QTY.
	PART NO.	PART NO.	PART NO.		
40	25936	25952	13704	HOSE ASSEMBLY	1
43	25366	12273	25366	O-RING	2
56	24236	--	24236	REDUCER ELBOW	1
	--	25302	--	ELBOW FITTING	2
57	13711	--	13711	HOSE ASSEMBLY	1
58	25539	--	25539	SPLIT FLANGE ADAPTER	1
59	25131	--	25131	ELBOW (O-RING)	1
60	25622	--	25622	CAPSCREW (3/8 - 16 X 2-3/4 G8 SOCKET HEAD)	4
	--	29631	--	CAPSCREW (5/16 - 18 X 3 G8 SOCKET HEAD)	4
61	13544	--	13544	CAPSCREW (3/8 - 16 X 1-1/2 G8 SOCKET HEAD) EARLY	4
	13827	--	13827	CAPSCREW (3/8 - 16 X 1-1/4 G8 SOCKET HEAD) CURRENT	4
62	25864	--	25864	ADAPTER	1
63	104322	--	104322	CAPSCREW (1/2 - 13 X 1-1/2 G8 Z)	2
	--	104174	--	CAPSCREW (1/2 - 13 X 1-1/4 G8 Z)	2
64	25935	--	13706	HOSE ASSEMBLY	1
70	11026	--	11026	LOCKWASHER (1/2)	2
	--	11026	--	LOCKWASHER (1/2)	2
87	81715	--	81715	BRAKE VALVE ASSEMBLY	1
	--	27403	--	BRAKE VALVE BLOCK	1
88	25302	--	--	ELBOW FITTING	1
89	25748	--	25748	SWIVEL TEE	1
74	--	--	22934	MALE BRANCH TEE	1
75	--	--	25258	NEEDLE VALVE	1
76	--	--	24784	FITTING CONNECTOR	1
77	--	--	70182	CAP	1
90	--	27258	--	COUNTERBALANCE VALVE CARTRIDGE	1

HIGH SPEED REVERSE MATERIAL LIST (Refer to Basic Material List for all parts not shown below)

ITEM	PART NO.	DESCRIPTION	QTY.
100	75764	PRIMARY SUN GEAR	1
101	75761	HIGH SPEED REVERSE SUN GEAR	1
102	75818	HIGH SPEED REVERSE RING GEAR	1
103	75767	INPUT SHAFT	1
104	76177	RETAINING RING	1
105	25588	RETAINING RING	1
106	76126	SPACER BUSHING	1
107	75760	SPACER BUSHING	1
108	25849	SPACER BUSHING	1
109	75807	SPRAG CLUTCH	1
110	76174	SHIM	5*
111	75757	HIGH SPEED REVERSE PLANET CARRIER	1
112	75758	PLANET GEAR SHAFT	3
113	75762	HIGH SPEED REVERSE PLANET GEAR	3
114	75725	ROLLER BEARING	3
115	76265	THRUST WASHER	6
116	101082	RETAINING RING	3
117	29040	CABLE DRUM CLOSURE	1
118	76171	MOTOR (029)	1
	76166	MOTOR (020)	1
119	75768	MOTOR COUPLING	1
120	29041	BRAKE HOUSING	1
121	76022	MOTOR SUPPORT	1
122	76398	BRAKE RELEASE PISTON	1
123	76400	PRESSURE PLATE	1
124	75811	SPRING	14
125	75736	STEEL DISC	7

ITEM	PART NO.	DESCRIPTION	QTY.
126	75809	FRICTION DISC	5
127	76399	BRAKE HUB	1
128	76123	BRAKE SPACER	1
129	76173	ORIFICE PLUG	1
130	22357	O-RING	1
131	100317	CAPSCREW (3/8 - 16 X 3-1/4 G8 Z)	6
132	25106	RETAINING RING	1
133	18003	LOCKWASHER (3/8)	6
134	75798	BACK-UP RING	2
135	22991	O-RING	2
136	75802	BACK-UP RING	2
137	78304	O-RING	2
138	21063	O-RING	1
139	75765	THRUST BEARING	2
140	75810	ROLLER BEARING	2
141	75799	THRUST BEARING	4
142	76168	BACK-UP RING	1
143	24520	O-RING	2
144	76169	SPRING	1
145	76396	BRAKE TUBE	1
146	76167	EXTERNAL BRAKE RELEASE PISTON	1
147	26686	PLUG, -6 ORB	1
148	76141	THRUST PLATE	1
149	32115	RETAINING RING	1
150	25299	BEARING	2
151	28844	SEAL	2

* NUMBER OF SHIMS IS VARIABLE. START WITH 5 AND REMOVE ONE (1) AT A TIME UNTIL MOTOR FITS FIRMLY AGAINST MOTOR SUPPORT.

