



RL~B10

PARTS LIST # 102687I

USE THIS PARTS LIST FOR:

Hoist Serial Number 17101 to _____

For older hoists use the following:

Parts List No. 102687G for Serial Number 4453 to 17100

Parts List No. 102687D for Serial Number 1868 to 4452

Parts List No. 102687A for Serial Number 001 to 1867

IF YOUR HOIST DOES NOT FALL WITHIN THE SERIAL NUMBERS BREAKS,
CONTACT HARSH TO GET THE APPROPRIATE MANUAL

For pump replacement part numbers, consult the parts lists supplied with the pump

IT IS RECOMMENDED THAT THIS HOIST
BE INSTALLED BY A QUALIFIED
TRUCK EQUIPMENT INSTALLER

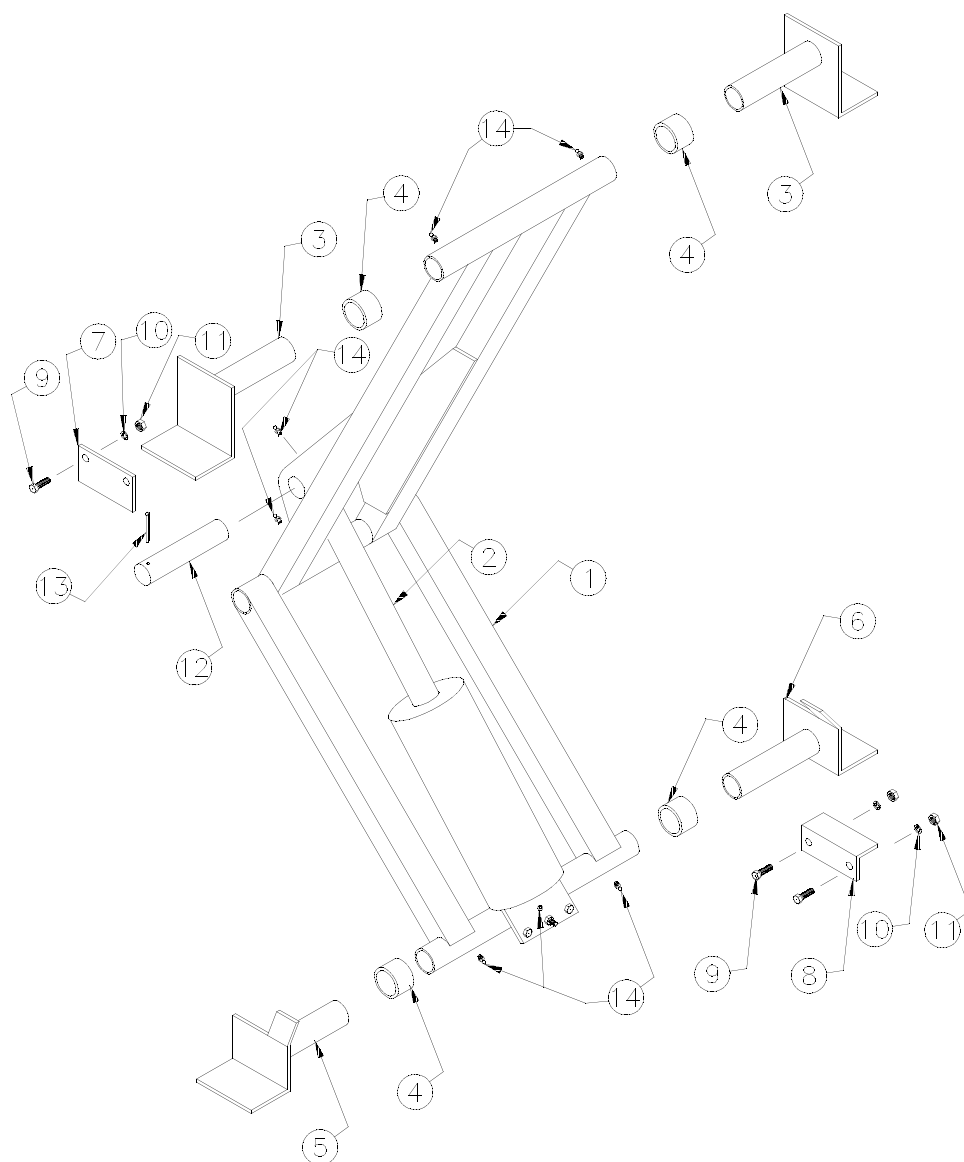
Harsh International, Inc.
600 Oak Avenue
Eaton, Colorado 80615

PHONE: (877) 427-7448 Toll-Free
(970) 454-1755 Local

FAX: (970) 454-1761
EMAIL: customersupport@harshenviro.com

Price: \$2.50

UPDATED AUGUST 2020



B10 HOIST SCISSOR ASSEMBLY

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
1	A15510	1	SCISSOR ASSEMBLY	9	100230	8	SCREW,HX HD CAP
*2	A1691	1	CYLINDER ASSEMBLY (COMPLETE)	10	100272	8	WASHER, LOCK
3	A14314	2	UPPER MOUNT	11	100250	8	NUT,HX
4	14487	4	SPACER TUBE 2 5/8 OD	12	15526	1	CYLINDER MOUNT PIN
5	A15530	1	LOWER MOUNT	13	101940	1	COTTER PIN
6	A15529	1	LOWER MOUNT	14	100037	7	GREASE FITTING (DRIVE IN)
7	10039	2	STRINGER PLATE	*15	A9775	1	DECAL KIT
8	10047	2	FRAME ATTACHMENT ANGLE				

NOTE: *2 - A1691 INCLUDES CYLINDER ASSY, BOLTS, LOCK WASHERS, NUTS,ZERKS AND SPACER.
*15 - A9775 INCLUDES ALL DECALS USED ON HOIST.

SOME HOISTS MAY HAVE SELF TAPPING ZERKS IN VARIOUS LOCATIONS.

**CYLINDER ASSEMBLY
PART # A1691**

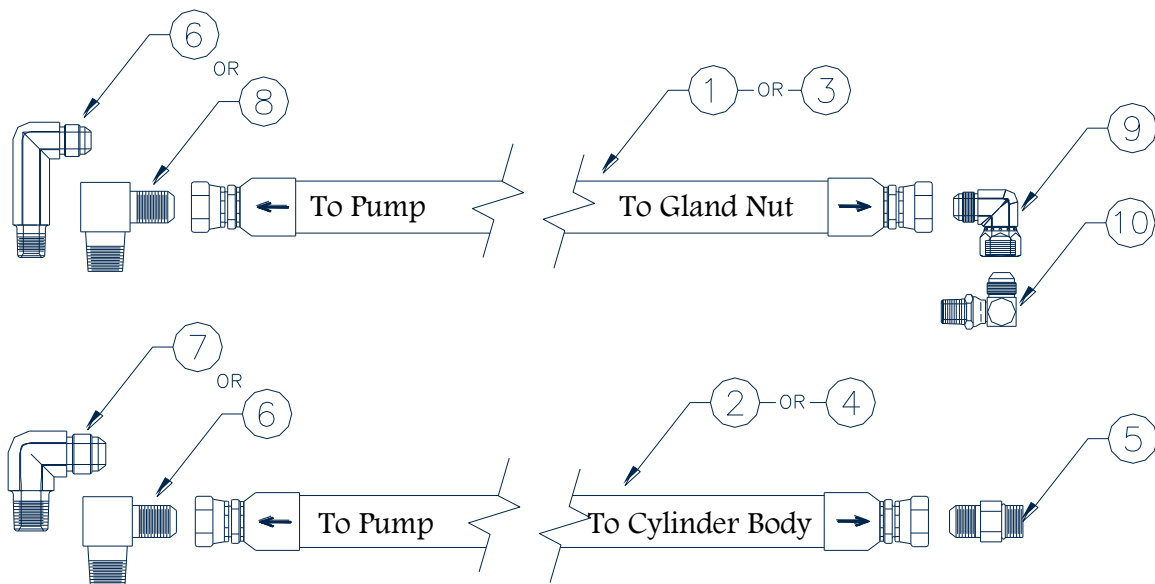
QTY	ITEM #	PART #	DESCRIPTION
3	6	102489	NUT
3	5	100657	LOCK WASHER
3	4	102487	SCREW, HEX HD CAP, 7/16-14 x 4 LG, GR 8
1	3	15509	CYLINDER MOUNT SPACER
2	2	100037	GREASE FITTING, DRIVE-IN
1	1	A15540	CYLINDER ASSY, B-10
**SEAL KIT A9498			

**SEAL KIT # A9498
RL-B10 and RL-C20**

QTY	ITEM #	PART #	DESCRIPTION
1	8	101423	WIPER RING, 1-3/4 ID—19
1	7	101934	SEAL, CROWN, 4-5/8 ID x 3/16 CS—350
1	6	101933	BACK-UP RING, 4-5/8 ID—350
1	5	101932	O-RING, 4-5/8 ID x 3/16 CS—350
1	4	101407	BACK-UP RING, 1-3/4 ID—327
1	3	101405	O-RING, 1-3/4 ID x 3/16 CS—327
1	2	101950	BACK-UP RING, 4-3/4 ID—248
1	1	101949	O-RING, 4-3/4 ID x 1/8 CS—248

**DECAL KIT # A9775
RL-B10 and RL-C20**

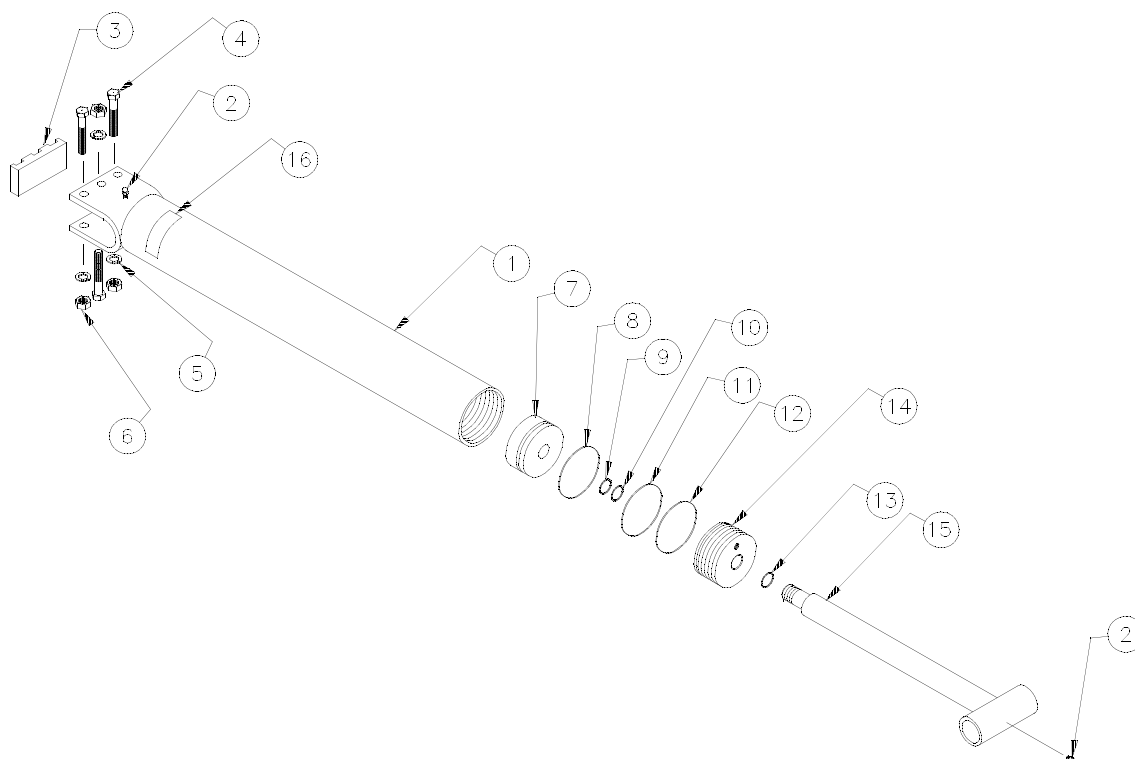
QTY	ITEM #	PART #	DESCRIPTION
1	7	101936	DECAL, MAX CYL PRESS 2500PSI
1	6	101117	DECAL, PUMP-PTO
1	5	101106	DECAL, HOIST OPERATION (ELEC PUMP)
1	4	101102	DECAL, BOX PROP
2	3	101101	DECAL, BOX PROP
1	2	100974	DECAL, TAIL HINGE
1	1	100896	DECAL, HOIST OPERATION (PTO PUMP)



B10 HOIST HOSE ASSEMBLY

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
*1	101640	1	HOSE ASSEMBLY 59" LG	*6	101244	2	ELBOW,90 DEG 3/8 NPT- #6 JIC
*2	101641	1	HOSE ASSEMBLY 39" LG	*7	101643	1	ELBOW,90 DEG 1/4 NPT- #6 JIC
*3	102238	1	HOSE ASSEMBLY 95" LG	*8	101966	1	ELBOW,90 DEG 1/4 NPT (LONG)
*4	102239	1	HOSE ASSEMBLY 75" LG	9	101937	1	ELBOW,90 DEG #6 JIC-#6 JIC
5	101644	1	ADAPTER #6 JIC-#6 SAE	*10	101642	1	ELBOW,90 DEG #6 JIC-#6 SAE

NOTE: * 1, 2 & 6 - USED ON WILLIAMS PUMP (102120) AND TANK & VALVE (102323)
 * 3, 4, 7 & 8 - USED ON MONARCH ELECTRIC PUMP (103011)
 *10 - IS INCLUDED WITH CYLINDER ASSY.



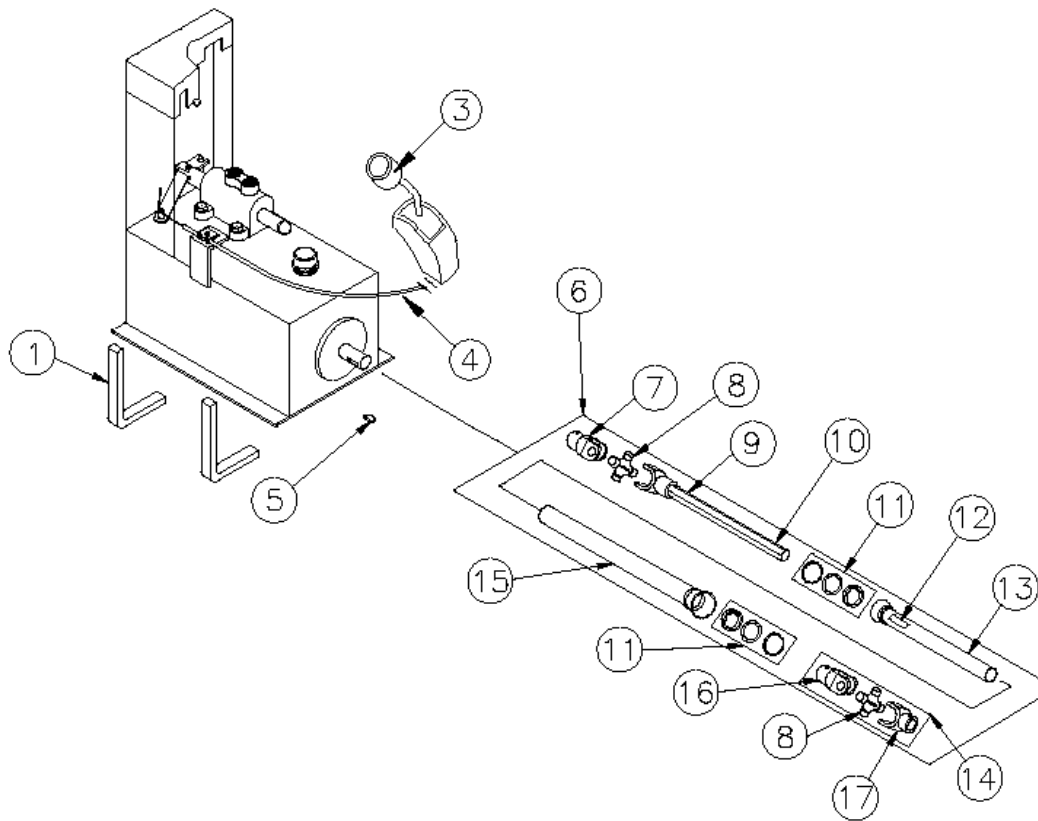
B10 HOIST CYLINDER PARTS LIST

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
*	A1691	1	CYLINDER ASSEMBLY (COMPLETE)	*8	101934	1	CROWN SEAL
1	A15541	1	CYLINDER BODY ASSEMBLY	*9	101405	1	O-RING
2	100037	2	GREASE FITTING (DRIVE IN)	*10	101407	1	BACK-UP RING
3	15509	1	CYLINDER MNT SPACER	*11	101949	1	O-RING
4	102487	3	SCREW, HX HD CAP	*12	101950	1	BACK-UP RING
5	100657	3	WASHER, LOCK	*13	101423	1	WIPER RING
6	102489	3	NUT, HX	14	15543	1	GLAND NUT
7	15506	1	PISTON	15	A15502	1	CYLINDER ROD ASSEMBLY
	A9498	1	SEAL KIT	*16	101936	1	DECAL, MAX CYL PRESS 2500PSI

NOTE: *A1691 - INCLUDES CYLINDER ASSY, SCREWS, LOCK WASHERS, NUTS, ZERKS AND SPACER.

*8-13 - NOT SOLD SEPARATELY, SOLD AS SEAL KIT #A9498 ONLY.

*18-Included in Decal Kit # A9775



PTO SHAFT AND PUMP ACCESSORIES

ITEM #	PART #	QTY	DESCRIPTION	ITEM #	PART #	QTY	DESCRIPTION
1	10062	2	PUMP BRACKET	7	9802	1	YOKE,PUMP 1RND BORE
*2	103057	1	KIT, RVC BONNET	8	9788	2	CROSS & BEARING KIT
*3	103058	1	CABLE HEAD,CURVED HANDLE	9	9801	1	DECAL,DANGER (SHAFT)
	104071	1	CABLE HEAD,STRAIGHT HANDLE	10	A9840	1	YOKE & SHAFT ASSY
*4	103060	1	CABLE, 6' W/SHORT FITTING	11	9795	2	KIT, BEARING SHIELD
	103056	1	CABLE, 7' W/SHORT FITTING	12	9800	1	DECAL, DANGER OUTER SHIELD
	103061	1	CABLE, 8' W/SHORT FITTING	13	9793	1	SHIELD, OUTER
	103062	1	CABLE, 10' W/SHORT FITTING	14	102999	1	U-JOINT ASSY,1-1/8 HEX
	103075	1	CABLE, 12' W/SHORT FITTING	15	9794	1	SHIELD, INNER
	104072	1	CABLE, 15' W/SHORT FITTING	16	9797	1	YOKE,HEX BORE,1-1/8
5	4451	1	KEY,1/4x4/8 WOODRUFF	17	9799	1	YOKE, PTO 1-1/4 RND BORE
*6	102943	1	DRIVE SHAFT	*18	100896	1	DECAL, HOIST OPER-PTO PUMP

NOTE: *2—CONNECTION HARDWARE NOT SHOWN

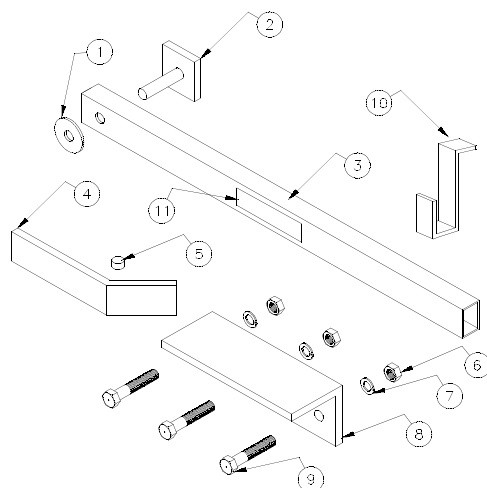
*3—UNIT IS SHIPPED WITH PART # 103058

*4—VARIOUS LENGTHS AVAILABLE.

*6—INCLUDES ITEMS 7 THROUGH 15.

*18—APPLY DECAL #100896 ON DASHBOARD AS NEAR AS POSSIBLE TO HOIST CONTROLS.
DECAL IS INCLUDED IN DECAL KIT #A9775.

NEVER OPERATE PTO WITHOUT SHIELDS IN PLACE



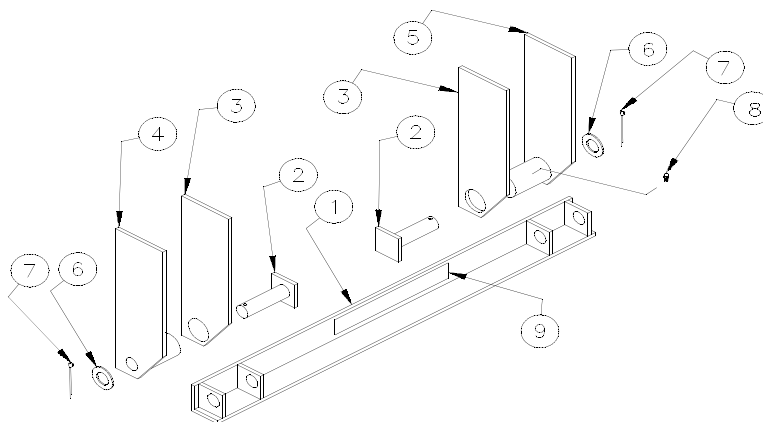
B10 HOIST SAFETY PROP PARTS LIST

ITEM	PART #	QTY	DESCRIPTION
	A1387	1	SAFETY PROP ASSEMBLY
1	101123	1	WASHER, FLAT
2	A12245	1	PIN PLATE ASSEMBLY
3	12243	1	SAFETY BOX PROP
4	12249	1	SIDE PLATE
5	12248	1	STOP PEG
6	100250	3	NUT

ITEM	PART #	QTY	DESCRIPTION
7	100272	3	LOCKWASHER
8	12251	1	BOTTOM ANGLE
9	100230	3	SCREW, HEX HD CAP
10	12256	1	BRACKET, LATCHING
*11	101101	2	DECAL, BOX PROP (10 x 4 3/4)
*12	101102	1	DECAL, BOX PROP (9 1/4 x 1 1/2)

NOTE: *11 - APPLY ON OUTSIDE RUB RAIL IN AREA OF THE SERVICE SAFETY PROP. ONE DECAL ON EACH SIDE OF BOX.

*11-12 INCLUDED IN DECAL KIT # A9775



B10 HOIST TAIL HINGE PARTS LIST

ITEM	PART #	QTY	DESCRIPTION
	A1282	1	TAIL HINGE ASSEMBLY
1	A10170	1	TAIL HINGE ANGLE ASSY
2	A10164	2	PIN ASSY
3	10165	2	VERTICAL PLATE
4	A10167-1	1	VERTICAL PLATE ASSY

ITEM	PART #	QTY	DESCRIPTION
5	A10167-2	1	VERTICAL PLATE ASSY
6	101123	2	WASHER, FLAT
7	101077	2	COTTER PIN, 2" LG.
8	100037	2	GREASE ZERK
*9	100974	1	DECAL, TAIL HINGE

NOTE: *9 - INCLUDED IN DECAL KIT # A9775

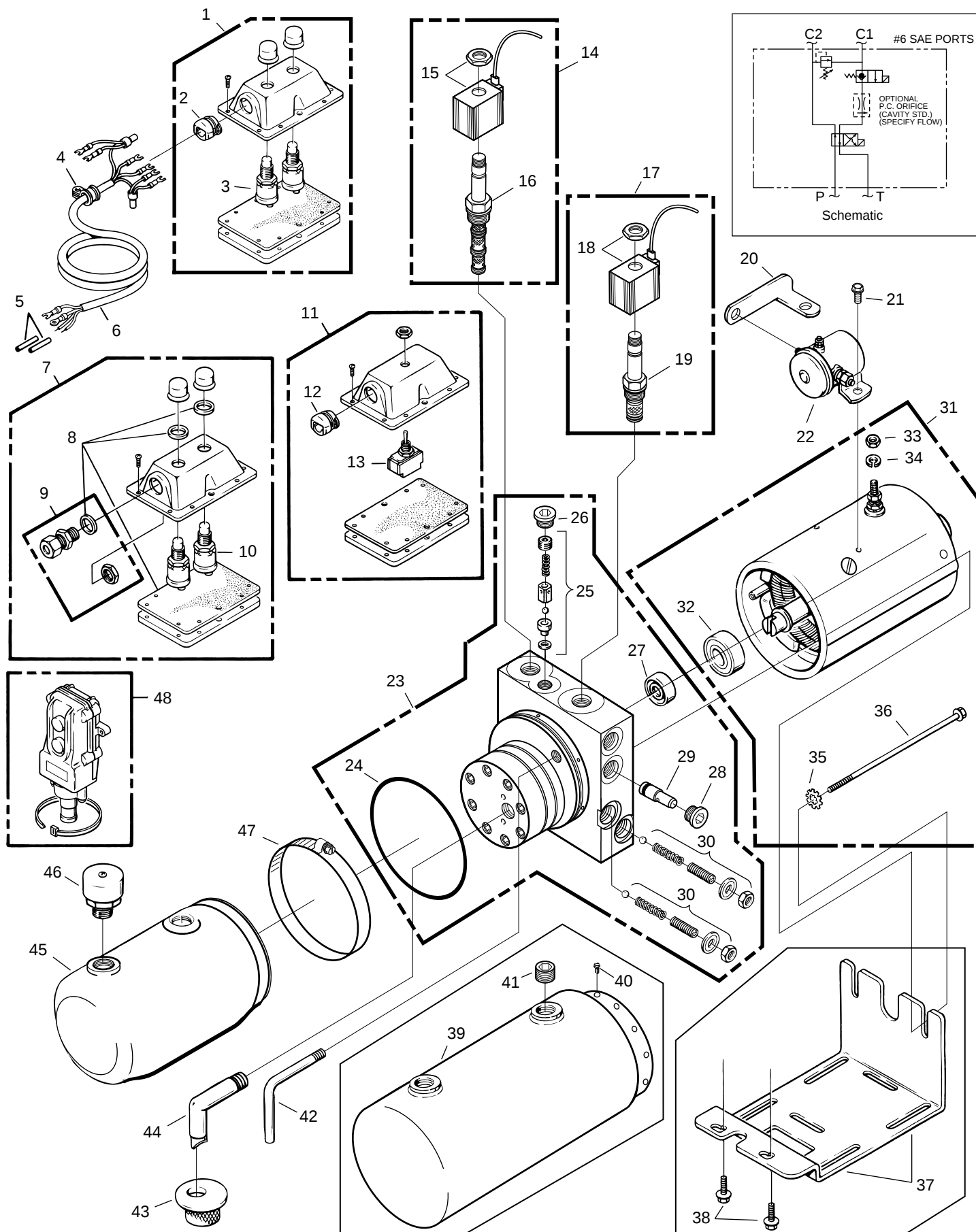
HOIST SHIPPING GROUP

OPTION	PUMP	DESCRIPTION	SCISSOR	SM PARTS	PTO SHAFT	TAILHINGE	BOX PROP	QTY
B10-00	~~~~	NO PUMP	A1683	A1792			A1387	1
B10-04	103011	12 VOLT DC	A1683	A1738		A1282	A1387	1
		BUCHER # M-3551-0107						
B10-05		4 PISTON-4W VALVE-12 QT	A1683	A1739	A1837	A1282	A1387	1
		WMS#40-6-12 QT						
B10-08	104448	TANK & VALVE-9QT	A1683	A1739		A1282	A1387	1
		BUCHER-9 QT						
B10-10	104448	TANK & VALVE-9QT	A1683	A1739		A1282	A1387	1
	103053	P-20 PUMP 8 GPM						
B10-20	~~~~	ENGLAND	A1767	~~~~				
B10-22	~~~~	ENGLAND UPSIDE- DOWN MOUNT	A1838	~~~~				
	A19069	HOIST SUB-FRAME						1

MONARCH ELECTRIC PUMP ~ PART #103011

QTY	ITEM #	PART #	DESCRIPTION
1	46	9983	VENT PLUG
1	37	9859	PUMP MNT BRACKET
1	...	9858	RELIEF VALVE PARTS KIT
1	48	9857	CONTROL BOX ASSY
1	...	9856	POPPET ASSY, FLOW CONTROL
1	22	4437	SWITCH, SOLENOID
1	45	9988	RESERVOIR, 6X6 OD x 12 LG, POLY
1	31	9853	MOTOR
1	15or18	07164	COIL, 10 VDC
1	19	9851	VALVE, 2 WAY
1	16	9850	VALVE , 4 WAY
1	23	9849	PUMP ASSY

MONARCH ELECTRIC PUMP M-3551-0107



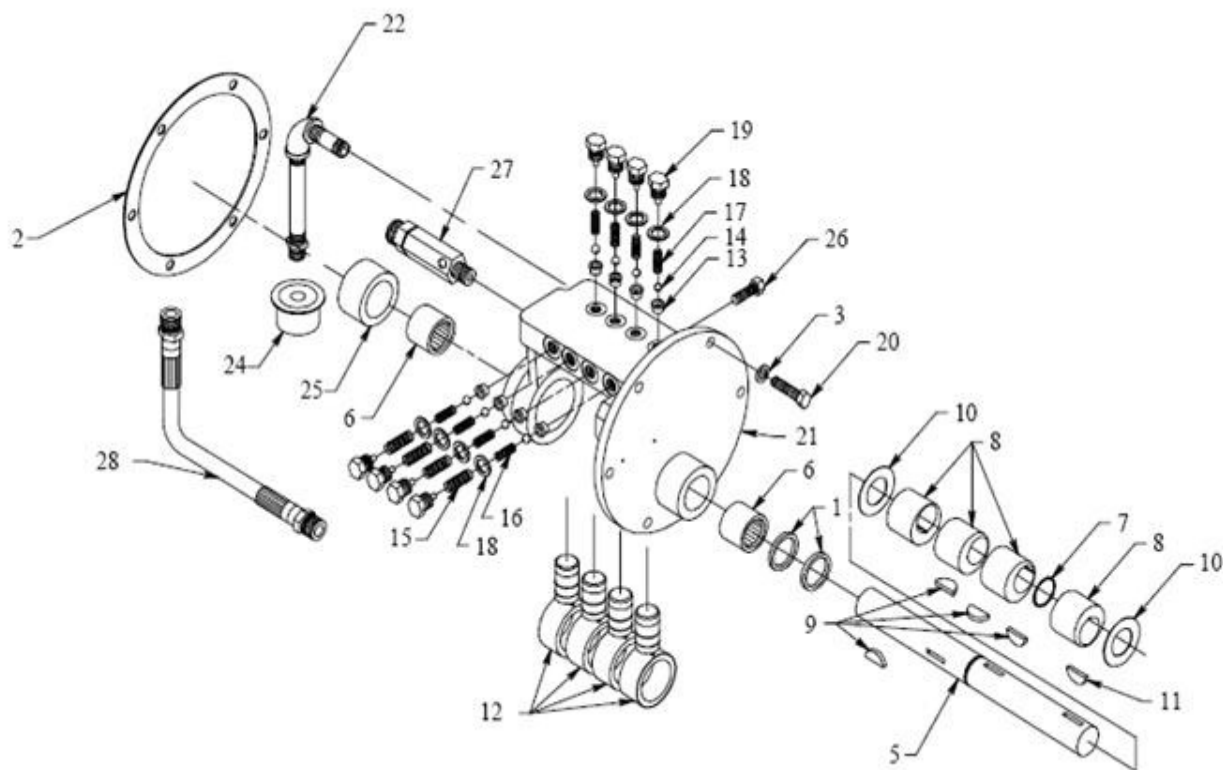
PUMP, 4P 4W VALVE, WMS# 40-6-12 QT
PART # 103065

QTY	ITEM #	PART #	DESCRIPTION
1	13	9843	MANUAL, SAFETY/MAINTENANCE
1	12	4451	KEY, WOODRUFF, 1/4 x 7/8
1	11	103055	CONTROL CABLE
1	10	100182	CAP, BREATHER
1	9	9033	SCREEN, INTAKE FILTER
1	8	9106	PRESSURE LINE
2	7	9037	SEAL, SHAFT
1	6	101273	GASKET, VALVE (4-BOLT)
1	5	9036	GASKET, PUMP-RESERVOIR
1	4	9108	KIT, MODEL 40 PUMP
1	3	9610	KIT, MODEL 40R PUMP (REBUILT)
1	2	9662	VALVE, RELIEF, (SYSTEM)
1	1	103068	KIT, #6 VALVE 4-WAY

TANK & VALVE, 4W VALVE, WMS# M8CR-9QT-2416-7
PART# 102323

QTY	ITEM #	PART #	DESCRIPTION
1	10	9843	MANUAL, SAFETY/MAINTENANCE
1	9	103055	CONTROL CABLE
1	8	100182	CAP, BREATHER
2	7	9101	SCREEN, INTAKE FILTER
1	6		
1	5		
1	4	9772	GASKET, VALVE (4-BOLT)
1	3	9766	VALVE, RELIEF (AUX)
1	2	9765	VALVE, RELIEF (SYSTEM)
1	1	102674	KIT, #8MRC VALVE 4-WAY

MODEL 40 PUMP PART # 9108 and # 9563



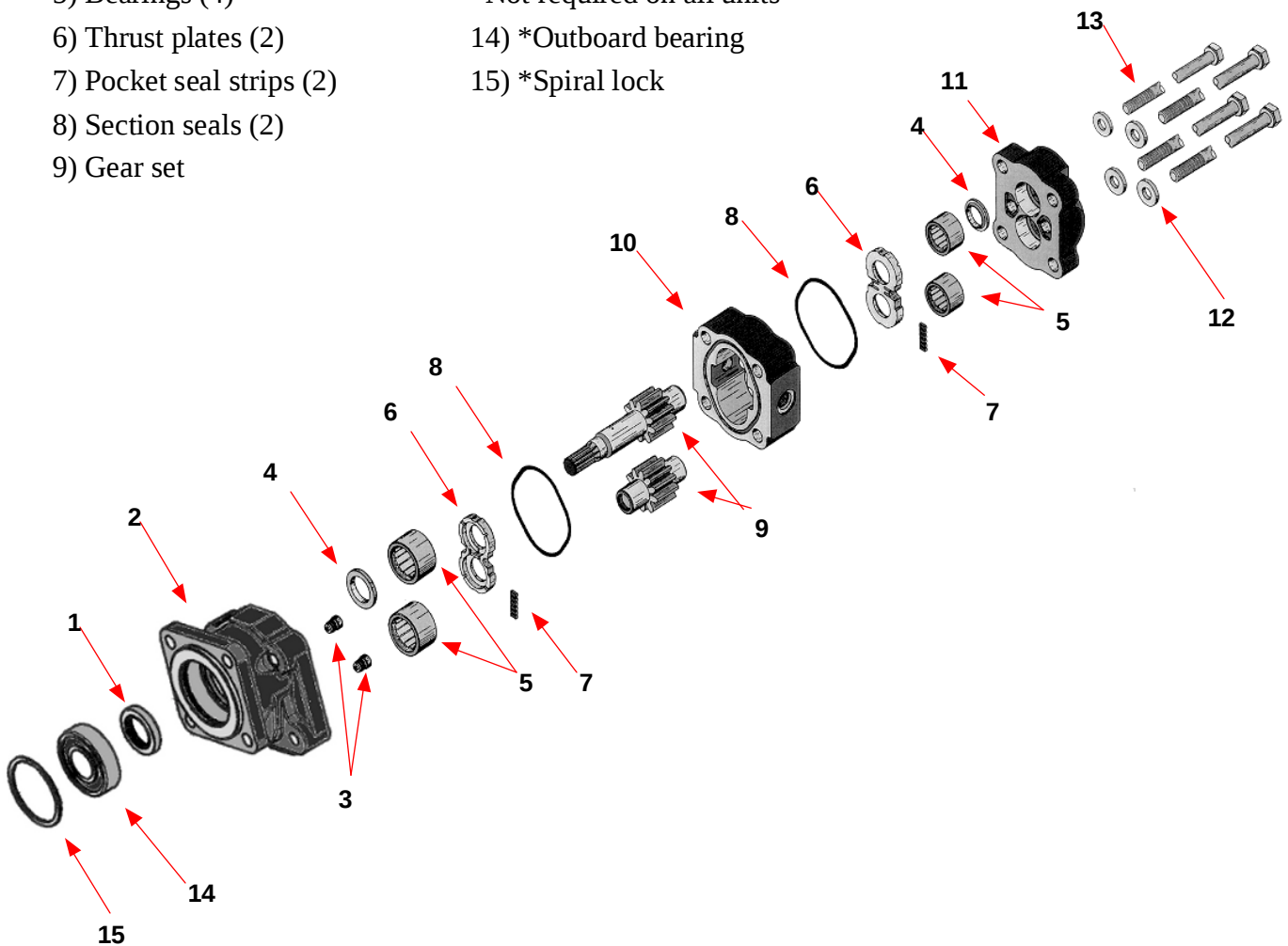
QTY	ITEM#	PART#	DESCRIPTION
SEAL KIT			
	1		OIL SEAL
	2		PUMP GASKET
	3		ALUMINUM WASHER
SHAFT and BEARING KIT			
	5		SHAFT
	6		NEEDLE BEARING
	7		SPIROLOX RING
	8		ECCENTRICS
	9		KEY, ECCENTRIC
	10		NYLON THRUST WASHER
	11		KEY
PISTON/CONNECTING ROD KIT			
	12		PISTON AND ROD ASSEMBLY

QTY	ITEM#	PART#	DESCRIPTION
INTAKE/EXHAUST VALVE KIT			
	13		SEAT
	14		BALL
	15		CAGE SPRING
	16		EXHAUST SPRING
	17		INTAKE SPRING
	18		WASHER
	19		PORT STUD
REMAINING PUMP PARTS			
	20		CAP SCREW
	21		*PUMP CASTING
	22		INTAKE PIPE
	24		INTAKE SCREEN
	25		REAR BEARING HOUSING
	26		HOUSING SET SCREW AND NUT
	27		RELIEF VALVE

*NOT SOLD SEPARATELY

PUMP, P-20 (GP2025)
PART # 103053

- | | |
|---------------------------|----------------------------|
| 1) Lip seal | 10) Gear housing |
| 2) Shaft end cover | 11) Port end cover |
| 3) Checks (2) | 12) Washers (4) |
| 4) Ring seals (2) | 13) Cap screws (4) |
| 5) Bearings (4) | *Not required on all units |
| 6) Thrust plates (2) | 14) *Outboard bearing |
| 7) Pocket seal strips (2) | 15) *Spiral lock |
| 8) Section seals (2) | |
| 9) Gear set | |



SEAL KIT, P20 PUMP
PART # A9558

QTY	ITEM #	PART #	DESCRIPTION
2	3	102464	SEAL, GASKET P20 PUMP
1	2	102463	SEAL, POCKET STRIP P20 PUMP
1	1	102462	SEAL, SHAFT P20 PUMP

