



RL-E50

PARTS LIST # 102690M

USE THIS PARTS LIST FOR:

Hoist Serial Number 6745 to _____

For older hoists use the following:
Parts List No. 102692H for Serial Number 2640 to 6744

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

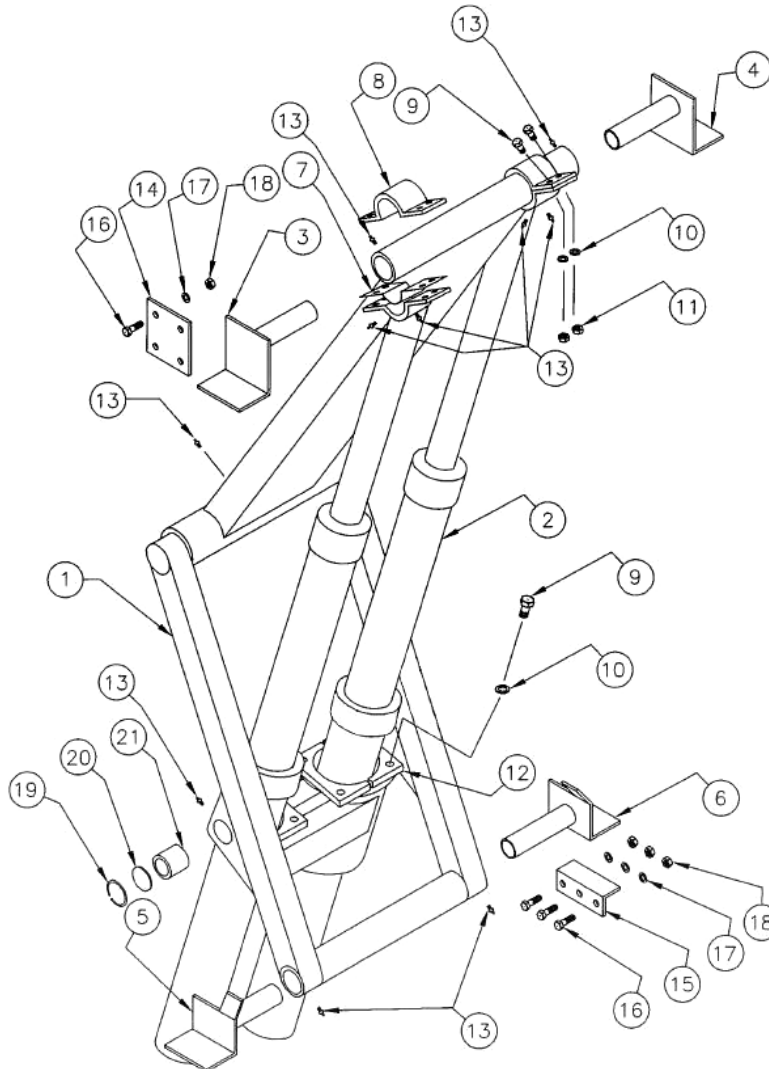
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UPDATED MARCH 2022

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E50 SCISSOR HOIST ASSEMBLY



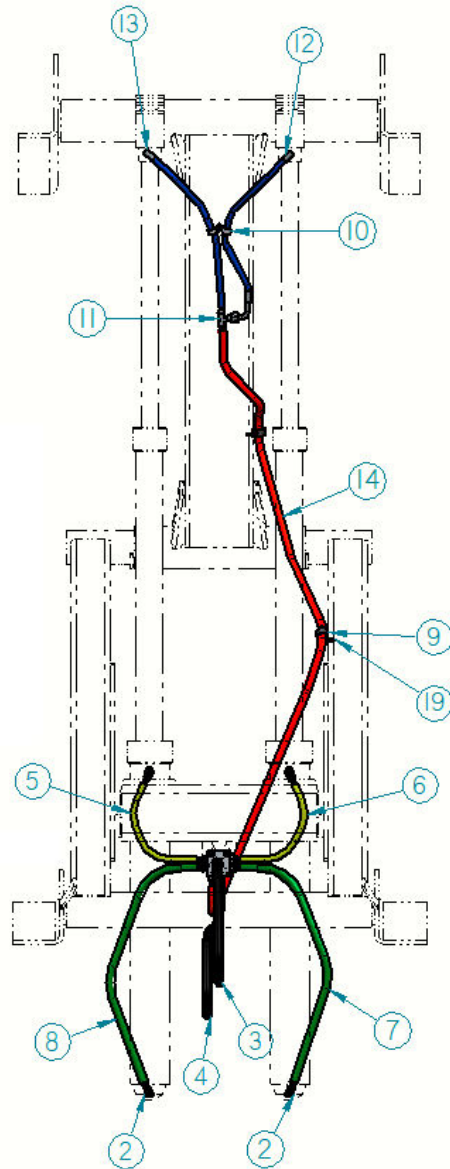
NOTES: *2 – A1249 INCLUDES CYLINDER ASSY, MOUNTING FLANGE HALVES, CYLINDER TOP MOUNT, BRASS BUSHING, SCREWS, LOCK WASHERS AND NUTS.

***22 – A9777 INCLUDES ALL DECALS USED ON HOIST.**

SOME HOISTS MAY HAVE SELF TAPPING ZERKS IN VARIOUS LOCATIONS.

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
1	A12903	1	SCISSOR ASSEMBLY	12	16344	4	MOUNTING, FLANGE, HALF,
*2	A1249	2	CYLINDER ASSEMBLY (COMPLETE)	13	100037	11	GREASE FITTING, DRIVE IN
3	A11610-2	1	UPPER MOUNT	14	11126	2	STRINGER ATTACHMENT PLATE
4	A11610-1	1	UPPER MOUNT	15	11127	2	ANGLE, FRAME ATTACHMENT
5	A11611-1	1	LOWER MOUNT	16	100230	14	SCREW, HEX HD CAP
6	A11611-2	1	LOWER MOUNT	17	100272	14	WASHER, LOCK
7	12907	2	BUSHING, BRASS	18	100250	14	NUT, HEX
8	18631	2	CYLINDER TOP MOUNT	19	100147	2	SNAP RING
9	100240	16	SCREW, HEX HD CAP	20	12899	2	PLATE, GREASE RETAINING
10	100271	16	WASHER, LOCK	21	103808	2	COMPOSITE BUSHING
11	100254	8	NUT, HEX	*22	A9777	1	DECAL KIT

E50 HOSE AND FITTINGS KIT

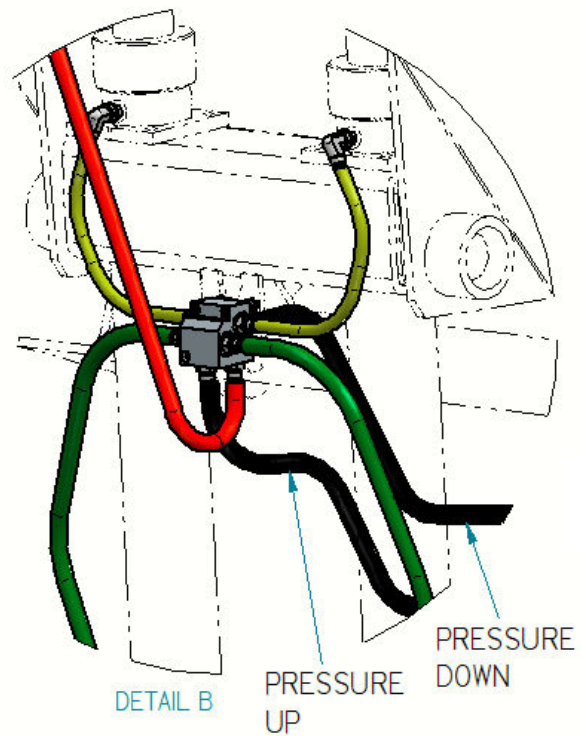
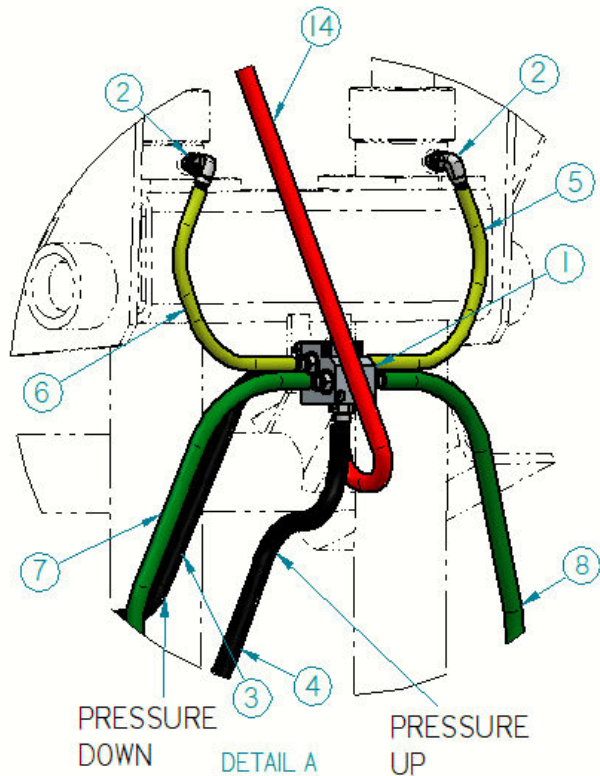
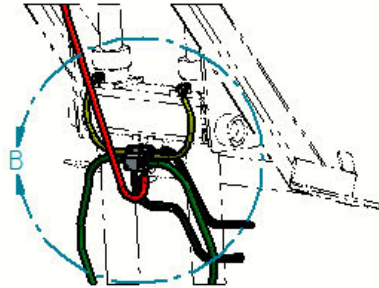
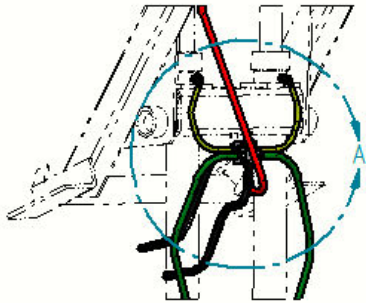


BACK VIEW

E50 HOSE & FITTINGS KIT PARTS LIST

ITEM #	QTY	PART #	DESCRIPTION	ITEM #	QTY	PART #	DESCRIPTION
				19	3	100544	SCREW, HEX HD SELF TAPPING 5/16 X 3/4
9	2	100935	CLAMP, 1/2 IN. HOSE SUPPORT	18	2	104177	NUT, LOCKING, 1/4-20
8	1	104475	HOSE ASS'Y, 3/8 X 28" LONG	17	2	100304	WASHER, LOCK 1/4 CADMIUM PLATED
7	1	104475	HOSE ASS'Y, 3/8 X 28" LONG	16	2	100443	WASHER FLAT, 1/4"
6	1	104168	HOSE ASS'Y, 1/4 X 15" LONG	15	2	104175	SCREW, SOCKET CAP, 1/4-20 x 1.75" LG
5	1	104168	HOSE ASS'Y, 1/4 X 15" LONG	14	1	104171	HOSE ASS'Y, 3/8 X 73" LONG
4	1	104172	HOSE ASS'Y, 3/8 X 120" LONG	13	1	104169	HOSE ASS'Y, 1/4 X 27" LONG
3	1	104172	HOSE ASS'Y, 3/8 X 120" LONG	12	1	104178	HOSE ASSY, 1/4 X 27" LONG W/90° ELBOW
2	4	101642	90 DEG ELBOW, #6 O-RING(M) x #6 JIC(M)	11	1	104173	TEE, UNION, #6 JIC (M-M-M)
1	1	A23379	BASE MANIFOLD ASSEMBLY - F60 - E50	10	2	100547	CLAMP, 1/4 IN. HOSE SUPPORT

E50 HOSE & FITTINGS KIT DETAIL A & B



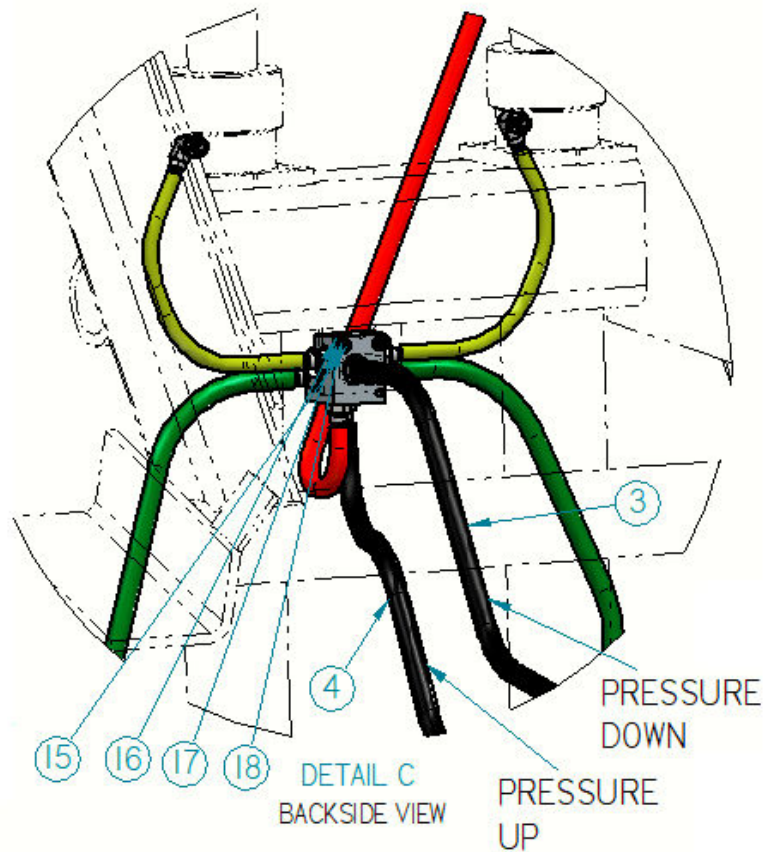
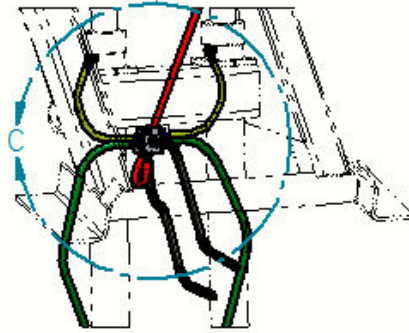
DETAIL A

DETAIL B

E50 HOSE & FITTINGS KIT PARTS LIST

ITEM #	QTY	PART #	DESCRIPTION	ITEM #	QTY	PART #	DESCRIPTION
				19	3	I00544	SCREW, HEX HD SELF TAPPING 5/16 X 3/4
9	2	I00935	CLAMP, 1/2 IN. HOSE SUPPORT	18	2	I04177	NUT, LOCKING, 1/4-20
8	1	I04475	HOSE ASS'Y, 3/8 X 28" LONG	17	2	I00304	WASHER, LOCK 1/4 CADMIUM PLATED
7	1	I04475	HOSE ASS'Y, 3/8 X 28" LONG	16	2	I00443	WASHER FLAT, 1/4"
6	1	I04168	HOSE ASS'Y, 1/4 X 15" LONG	15	2	I04175	SCREW, SOCKET CAP, 1/4-20 x 1.75" LG
5	1	I04168	HOSE ASS'Y, 1/4 X 15" LONG	14	1	I04171	HOSE ASS'Y, 3/8 X 73" LONG
4	1	I04172	HOSE ASS'Y, 3/8 X 120" LONG	13	1	I04169	HOSE ASS'Y, 1/4 X 27" LONG
3	1	I04172	HOSE ASS'Y, 3/8 X 120" LONG	12	1	I04178	HOSE ASSY, 1/4 X 27" LONG W/90° ELBOW
2	4	I01642	90 DEG ELBOW, #6 O-RING(M) x #6 JIC(M)	11	1	I04173	TEE, UNION, #6 JIC (M-M-M)
1	1	A23379	BASE MANIFOLD ASSEMBLY - F60 - E50	10	2	I00547	CLAMP, 1/4 IN. HOSE SUPPORT

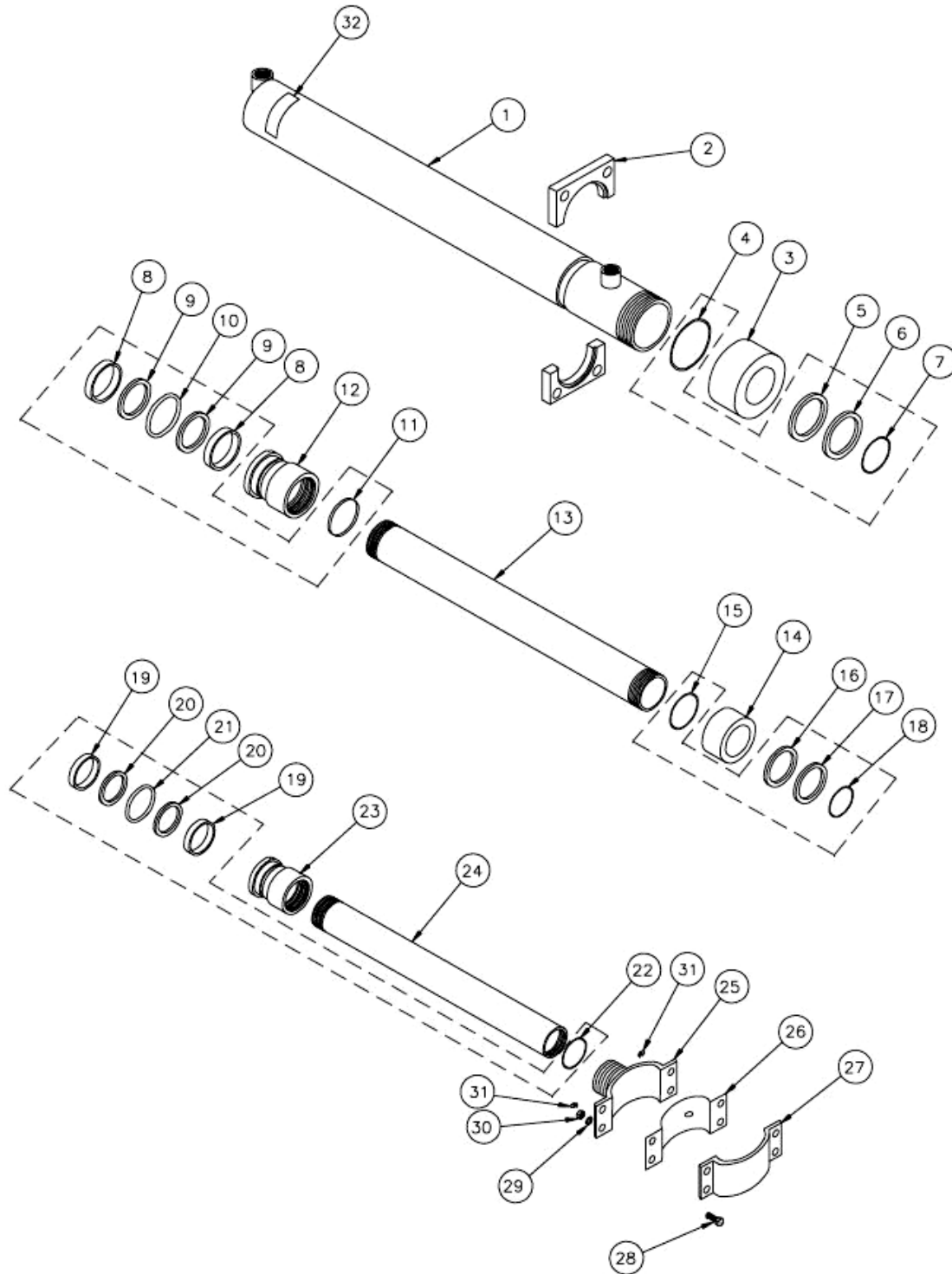
E50 HOSE & FITTINGS KIT DETAIL C



E50 HOSE & FITTINGS KIT PARTS LIST

ITEM #	QTY	PART #	DESCRIPTION	ITEM #	QTY	PART #	DESCRIPTION
				19	3	I00544	SCREW, HEX HD SELF TAPPING 5/16 X 3/4
9	2	I00935	CLAMP, 1/2 IN. HOSE SUPPORT	18	2	I04177	NUT, LOCKING, 1/4-20
8	1	I04475	HOSE ASS'Y, 3/8 X 28" LONG	17	2	I00304	WASHER, LOCK 1/4 CADMIUM PLATED
7	1	I04475	HOSE ASS'Y, 3/8 X 28" LONG	16	2	I00443	WASHER FLAT, 1/4"
6	1	I04168	HOSE ASS'Y, 1/4 X 15" LONG	15	2	I04175	SCREW, SOCKET CAP, 1/4-20 x 1.75" LG
5	1	I04168	HOSE ASS'Y, 1/4 X 15" LONG	14	1	I04171	HOSE ASS'Y, 3/8 X 73" LONG
4	1	I04172	HOSE ASS'Y, 3/8 X 120" LONG	13	1	I04169	HOSE ASS'Y, 1/4 X 27" LONG
3	1	I04172	HOSE ASS'Y, 3/8 X 120" LONG	12	1	I04178	HOSE ASSY, 1/4 X 27" LONG W/90° ELBOW
2	4	I01642	90 DEG ELBOW, #6 O-RING(M) x #6 JIC(M)	11	1	I04173	TEE, UNION, #6 JIC (M-M-M)
1	1	A23379	BASE MANIFOLD ASSEMBLY - F60 - E50	10	2	I00547	CLAMP, 1/4 IN. HOSE SUPPORT

E50 HOIST CYLINDER



NOTES: *4, *5, *6, *7 – NOT SOLD SEPARATELY (SOLD AS A KIT # 9167)

*8, *9, *10, *11 – NOT SOLD SEPARATELY (SOLD AS A KIT # 9168)

*15, *16, *17, *18 – NOT SOLD SEPARATELY (SOLD AS A KIT # 9169)

*19, *20, *21, *22 – NOT SOLD SEPARATELY (SOLD AS A KIT # 9170)

* - A1249 INCLUDES CYLINDER ASSY, MOUNTING FLANGE HALVES, CYLINDER TOP MOUNT, BRASS BUSHING, SCREWS, LOCK WASHERS AND NUTS.

E50 HOIST CYLINDER PARTS LIST

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
*	A1249	2	CYLINDER ASSEMBLY, COMPLETE, E50	*17	100864	1	BACK-UP RING, 1 1/2 ID-325
1	A16345	1	CYLINDER BODY ASSEMBLY, E50	*18	100135	1	WIPER RING, TW-5 & TW-6
2	16344	2	FLANGE, HALF, 1/2 X 4 1/2, E50 (PAIR)	*19	100575	2	WEAR RING, 2 OD, GLASS FILLED NYLON
3	11624	1	GLAND NUT, 4 OD X 3 3/8 THREAD, E50	*20	100732	2	BACK-UP RING, 1 5/8 ID-326
4	100192	1	O-RING, 3 1/2 OD X 1/8 CS-236	*21	100153	1	O-RING, 1 5/8 ID X 3/16 CS-326
5	100156	1	O-RING, 2 3/8 ID X 3/16 CS-332	*22	100748	1	O-RING, 1 3/16 OD X 1/8 CS-213
6	100603	1	BACK-UP RING, 2 3/8 ID-332	*23	11621	2	PISTON, 1 59/64 OD X 2 1/2 LG, E50
7	11623	1	GLAND NUT, 3 OD X 2 3/8 THREAD	24	11625	1	CYLINDER TUBE, 1 1/2 OD X 28 11/32 LG, E50
8	100576	2	WEAR RING, 3 OD, GLASS FILLED NYLON	25	A11616	1	CYLINDER TOP MOUNT ASSEMBLY, E50
9	100731	2	BACK-UP RING W/HOLE, 2 5/8 ID-334	26	12907	1	BUSHING, 2 1/2 X 6 25/32 W/ 6 HOLES, BRASS
*10	100157	2	O-RING, 2 5/8 ID X 3/16 CS-334	27	18631	1	CYLINDER TOP MOUNT, 2 1/2 X 6 25/32 LG, FORMED
*11	100749	2	O-RING, 2 1/8 OD X 1/16 CS-033	28	100240	4	SCREW, HX HD CAP, 3/8-16 X 1 1/4 GR5
*12	11622	1	PISTON, 2 59/64 OD X 3 LG	29	100271	4	WASHER, LOCK, 3/8
13	11626	1	CYLINDER TUBE, 2 3/8 OD X 28 3/8 LG, E50	30	100254	4	NUT, HEX 3/8-16 UNC GR5
14	11623	1	GLAND NUT, 3 OD X 2 3/8 THREAD	31	100037	2	GREASE FITTING, DRIVE-IN, 1/4 LG
*15	100190	1	O-RING, 2 1/2 OD X 1/8 CS-228	32	101045	1	DECAL, MAX CYLINDER PRESSURE 3300 PSI "CAUTION"
*16	100747	1	O-RING, 1 7/8 OD X 3/16				

**GLAND NUT (11624) SEAL KIT
PART # A9167**

QTY	ITEM #	PART #	DESCRIPTION
1	1	100383	WIPER RING, 2 3/8 ID-24
1	2	100157	O-RING, 2 5/8 ID X 3/16 CS-334
1	3	103579	SEAL, HALLITE, 2 3/8 ID
1	4	100192	O-RING, 3 1/2 OD X 1/8 CS-236
1	5	100603	BACK-UP RING, 2 3/8 ID - 332
1	6	100156	O-RING, 2 3/8 ID X 3/16 CS - 332

**PISTON (11622) SEAL KIT
PART # A9168**

QTY	ITEM #	PART #	DESCRIPTION
1	4	100576	WEAR RING, 3 OD, GLASS FILLED NYLON
1	3	100731	BACK-UP RING W/HOLE, 2 5/8 ID-334
1	2	100157	O-RING, 2 5/8 ID X 3/16 CS-334
1	1	100749	O-RING, 2 1/8 OD X 1/16 CS-033

**GLAND NUT (11623) SEAL KIT
PART # A9169**

QTY	ITEM #	PART #	DESCRIPTION
1	5	100135	WIPER RING, TW-5 & TW-6
1	4	100747	O- RING, 1 1/2 ID X 3/16 CS-325
1	3	103215	SEAL, HALLITE, 1 1/2
1	2	100190	O-RING, 2 1/2 OD X 1/8 CS-228
1	1	100864	BACK-UP RING, 1 1/2 ID - 325

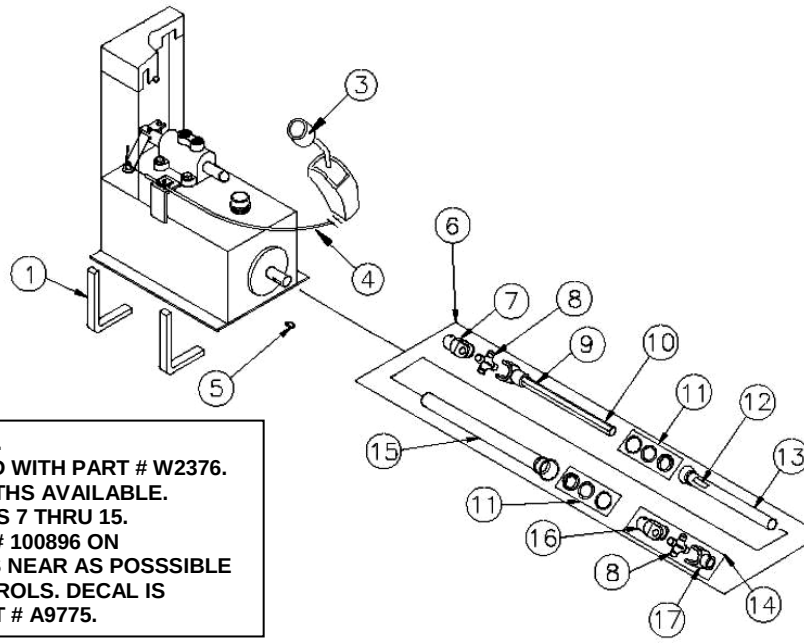
**PISTON (11621) SEAL KIT
PART # A9170**

QTY	ITEM #	PART #	DESCRIPTION
1	4	100575	WEAR RING, 2 OD, GLASS FILLED NYLON
1	3	100732	BACK-UP RING, 1 5/8 ID-326
1	2	100153	O-RING, 1 5/8 ID X 3/16 CS-326
1	1	100748	O-RING, 1 3/16 OD X 1/8 CS-213

**DECAL KIT, E50 & E55
PART # A9777**

QTY	ITEM #	PART #	DESCRIPTION
1	6	101045	DECAL, MAX CYLINDER PRESSURE 3300 PSI "CAUTION"
1	5	101117	DECAL, "CABLE CONTROL BRACKET" PTO PUMP
1	4	101102	DECAL, BOX PROP 1 1/2 X 9 1/4 LG
1	3	101101	DECAL, BOX PROP 4 3/4 X 10 LG
1	2	100974	DECAL KIT, TAIL HINGE 2 3/8 X 8 5/8 LG
1	1	100896	DECAL, "HOIST OPERATION INSTRUCTIONS" PTO PUMP

PTO SHAFT AND PUMP ACCESSORIES

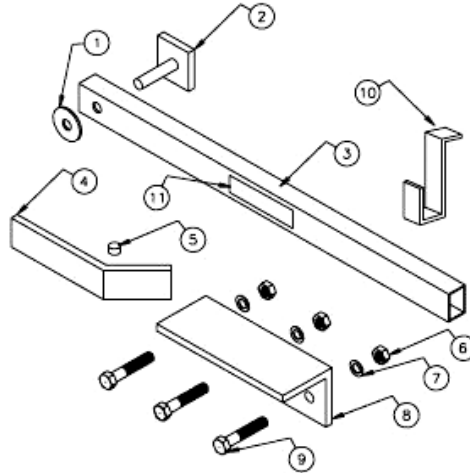


NOTES: *2, 18 – NOT SHOWN.
 *3 – UNIT IS SHIPPED WITH PART # W2376.
 *4 – VARIOUS LENGTHS AVAILABLE.
 *6 – INCLUDES ITEMS 7 THRU 15.
 *18 –APPLY DECAL # 100896 ON
 DASHBOARD AS NEAR AS POSSIBLE
 TO HOIST CONTROLS. DECAL IS
 INCLUDED IN KIT # A9775.

NEVER OPERATE PTO WITHOUT SHIELDS IN PLACE

QTY	ITEM #	PART #	DESCRIPTION	QTY	ITEM #	PART #	DESCRIPTION
2	1	10062	PUMP MOUNT BRACKET, STD, 2 CHANNEL FORMED	1	7	9802	YOKE, IMPLEMENT, 1 BORE
1	*2	103057	RECEIVER BONNET KIT	2	8	9788	CROSS & BEARING KIT, COMPLETE, HOIST
1	*3	W2376	CONTROL HEAD, ANGLED	1	9	9801	DECAL, "DANGER WARNING" INSIDE SHIELD
1	~	W2375	CONTROL HEAD, STRAIGHT	1	10	A9840	YOKE & SHAFT ASSEMBLY, 1 1/8 HEX X 41 3/4 LG
1	*4	103060	CABLE RECIEVER W/SHORT FITTING, 72 LG	2	11	9795	BEARING SHIELD KIT, G & G PTO SHAFT
1	~	103056	CABLE RECIEVER W/ SHORT FITTING, 84 LG	1	12	9800	DECAL, "DANGER WARNING" OUTSIDE SHIELD
1	~	103061	CABLE RECEIVER W/ SHORT FITTING, 96 LG	1	13	9793	OUTER PLASTIC SHIELD, 2 11/16 OD, HOIST
1	~	103062	CABLE RECEIVER W/ SHORT FITTING, 120 LG	1	14	102999	U-JOINT ASSEMBLY, 1 1/8 HEX X 1 1/4 RND
1	~	103075	BONNET STYLE CABLE, 144 LG	1	15	9794	INNER PLASTIC SHIELD, 2 3/8 OD, HOIST
1	~	W2584	CABLE, BONNET STYLE, 180 LG	1	16	9797	YOKE, SLIP, 1 1/8 HEX BORE, HOIST
1	5	4451	KEY, WOODRUFF 7/8 X 1/4 X 3/8	1	17	9799	YOKE, IMPLEMENT, 1 1/4 RND BORE, HOIST
1	*6	102943	DRIVE SHAFT, 1 1/8 HEX SHAFT, HOIST	1	18	100896	DECAL, "HOIST OPERATION INSTRUCTIONS" PTO PUMP

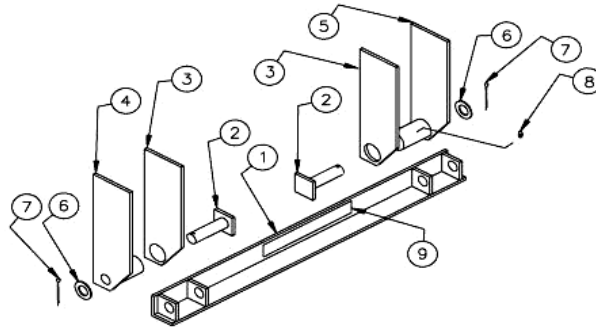
E50 HOIST SAFETY PROP PARTS LIST



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

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
~	A1387	1	BOX PROP, SHIPPING BUNDLE	7	100272	3	WASHER, LOCK, 1/2
1	101123	1	WASHER, FLAT 1 1/8 SAE	8	12251	1	BOX PROP ANGLE, 3/8 X 3 X 3 X 8 LG, HOIST
2	A12245	1	TOP PIN PLATE ASSEMBLY, HOIST	9	100230	3	SCREW, HX HD CAP, 1/2-20 UNF X 2 GR5
3	12243	1	BOX PROP TUBE, 2 X 3 X 37 3/4 LG, HOIST	10	12256	1	LATCHING BRACKET, FORMED, 2 5/8 X 7 3/4 LG
4	12249	1	SIDE PLATE BAR, 1/4 X 2 X 10 1/2 LG, FORMED, HOIST	*11	101101	2	DECAL, BOX PROP 4 3/4 X 10 LG
5	12248	1	STOP PEG, 3/8-1/2 THICK X 5/8-7/8 OD	12	101102	1	DECAL, BOX PROP 1 1/2 X 9 1/4 LG
6	100250	3	NUT, HEX 1/2-20 UNF				

TAIL HINGE PARTS LIST



ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
~	A1282	1	TAIL HINGE 905, 15-A SMALL	5	A10167-2	1	VERTICAL PLATE ASSEMBLY, RH, 905
1	A10170	1	ANGLE ASSEMBLY, TAIL HINGE 905	6	101123	2	WASHER, FLAT 1 1/8 SAE
2	A10164	2	PIN ASSEMBLY, TAIL HINGE 905	7	101077	2	COTTER PIN, 1/4 X 2 LG
3	10165	2	VERTICAL PLATE 3/8 X 4 X 11 5/8 LG	8	100037	2	GREASE FITTING, DRIVE-IN, 1/4 LG
4	A10167-1	1	VERTICAL PLATE ASSEMBLY, LH, 905	9	100974	1	DECAL KIT, TAIL HINGE 2 3/8 X 8 5/8 LG

**PUMP, 8P 2-4W VALVE, WMS#F98-6-6R-27QT-2416-7
PART # 103067**

QTY	ITEM #	PART #	DESCRIPTION
1	1	103068	VALVE KIT, 4-WAY, #6
1	2	101275	VALVE KIT, 4-WAY, #6R
2	3	9282	RELIEF VALVE, SYSTEM, 3300PSI
1	4	9844	RELIEF VALVE, AUX, #2559
1	5	9784	PUMP KIT, 8P HV
1	6	9783	PUMP KIT, 8P, F98, 3300PSI
1	7	9036	RESERVOIR PUMP GASKET
2	8	101273	GASKET, VALVE, 4-BOLT
2	9	9037	SHAFT SEAL
1	10	9331	HOSE, 3/8 X 22 LG
1	11	9661	HOSE, 3/8 X 16 1/2 LG
1	12	103055	CONTROL KIT, BONNET STYLE 6 W/ CURVED HANDLE, 84 LG
1	13	4451	KEY, WOODRUFF 7/8 X 1/4 X 3/8
1	14	100182	BREATHING CAP, 2 3/4 OD X 1 1/2
1	15	9843	SAFETY & OPERATING MANUAL, PUMP

**PUMP, 8P-4W VALVE, WMS# F98-6-27QT-2416-7
PART # 103066**

QTY	ITEM #	PART #	DESCRIPTION
1	1	103068	VALVE KIT, 4-WAY
2	2	9282	RELIEF VALVE, SYSTEM
1	3	9783	PUMP KIT, 8P, F98
1	4	9036	RESERVOIR PUMP GASKET
2	5	101273	GASKET, VALVE, 4-BOLT
2	6	9037	SHAFT SEAL
1	7	9661	HOSE, 3/8 X 16 1/2 LG
1	8	4451	KEY, WOODRUFF 7/8 X 1/4 X 3/8
1	9	100182	BREATHING CAP, 2 3/4 OD X 1 1/2
1	10	103055	CONTROL KIT, BONNET STYLE 6 W/ CURVED HANDLE, 84 LG
1	11	9843	SAFETY & OPERATING MANUAL, PUMP

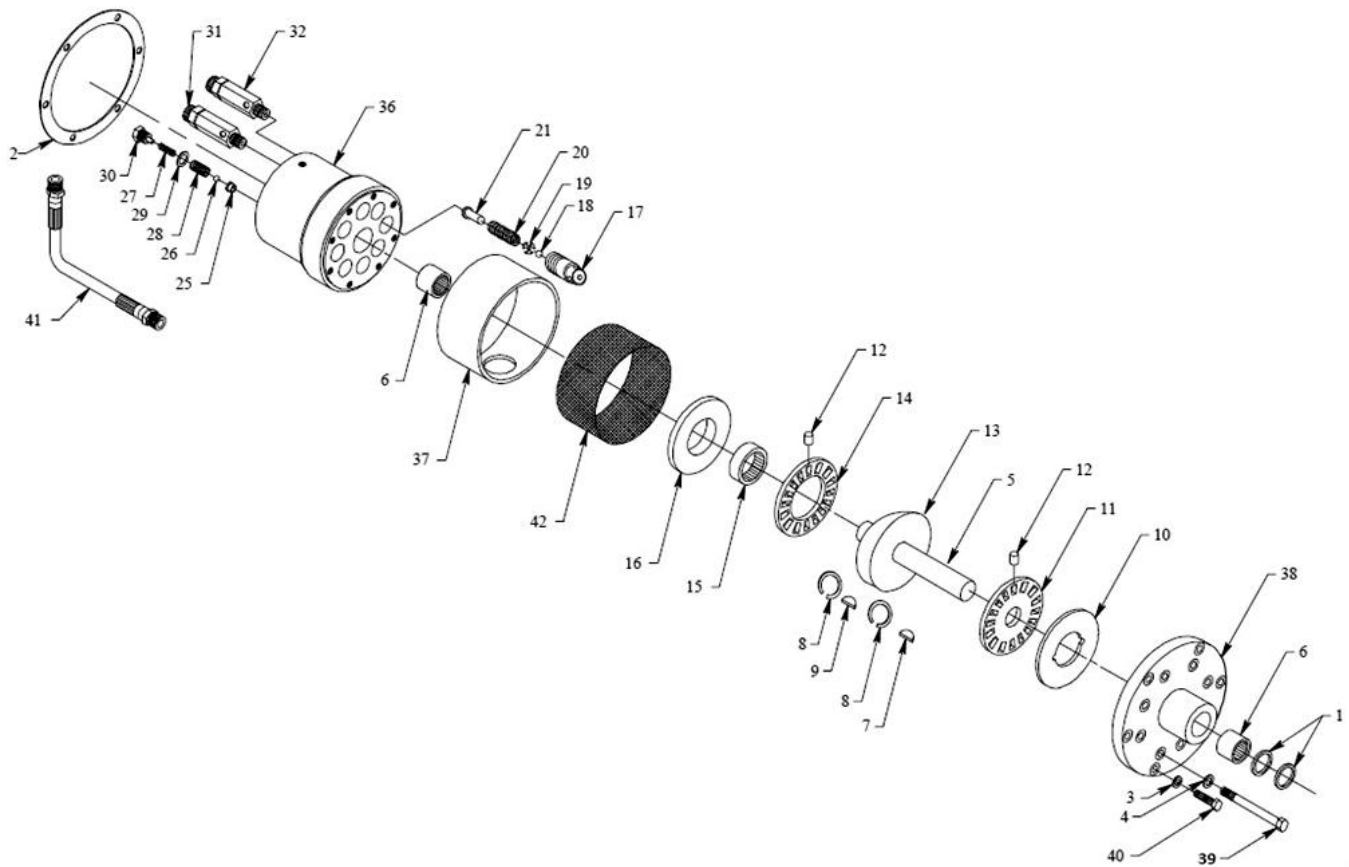
**TANK & VALVE, 4W VALVE, WMS#W15-6C-27QT-2416-7
PART # 104455**

QTY	ITEM #	PART #	DESCRIPTION
1	1	102671	VALVE, 4-WAY, 6WCR
2	2	9282	RELIEF VALVE, SYSTEM
1	3	9279	RELIEF VALVE
2	4	101273	GASKET, VALVE, 4-BOLT
1	5	9842	INTAKE FILTER SCREEN, W15 TANK & VALVE
1	6	100182	BREATHING CAP, 2 3/4 OD X 1 1/2
1	7	103055	CONTROL KIT, BONNET STYLE 6 W/ CURVED HANDLE, 84 LG
1	8	9843	SAFETY & OPERATING MANUAL, PUMP

**TANK & VALVE, 2-4W VALVES, WMS#W15-6-6R-27QT-2416-7
PART # 102915**

QTY	ITEM #	PART #	DESCRIPTION
1	1	102959	VALVE KIT, 4-WAY
2	2	101275	VALVE KIT, 4-WAY
1	3	9282	RELIEF VALVE, SYSTEM
2	4	101273	GASKET, VALVE, 4-BOLT
1	5	9101	INTAKE FILTER SCREEN
1	6	100182	BREATHING CAP, 2 3/4 OD X 1 1/2
1	7	103055	CONTROL KIT, BONNET STYLE 6 W/ CURVED HANDLE, 84 LG
1	8	9843	SAFETY & OPERATING MANUAL, PUMP

MODEL F98 DIRECT MOUNT PUMP PART # 9783



NOTES: ITEM *36 NOT SOLD SEPARATELY!!!

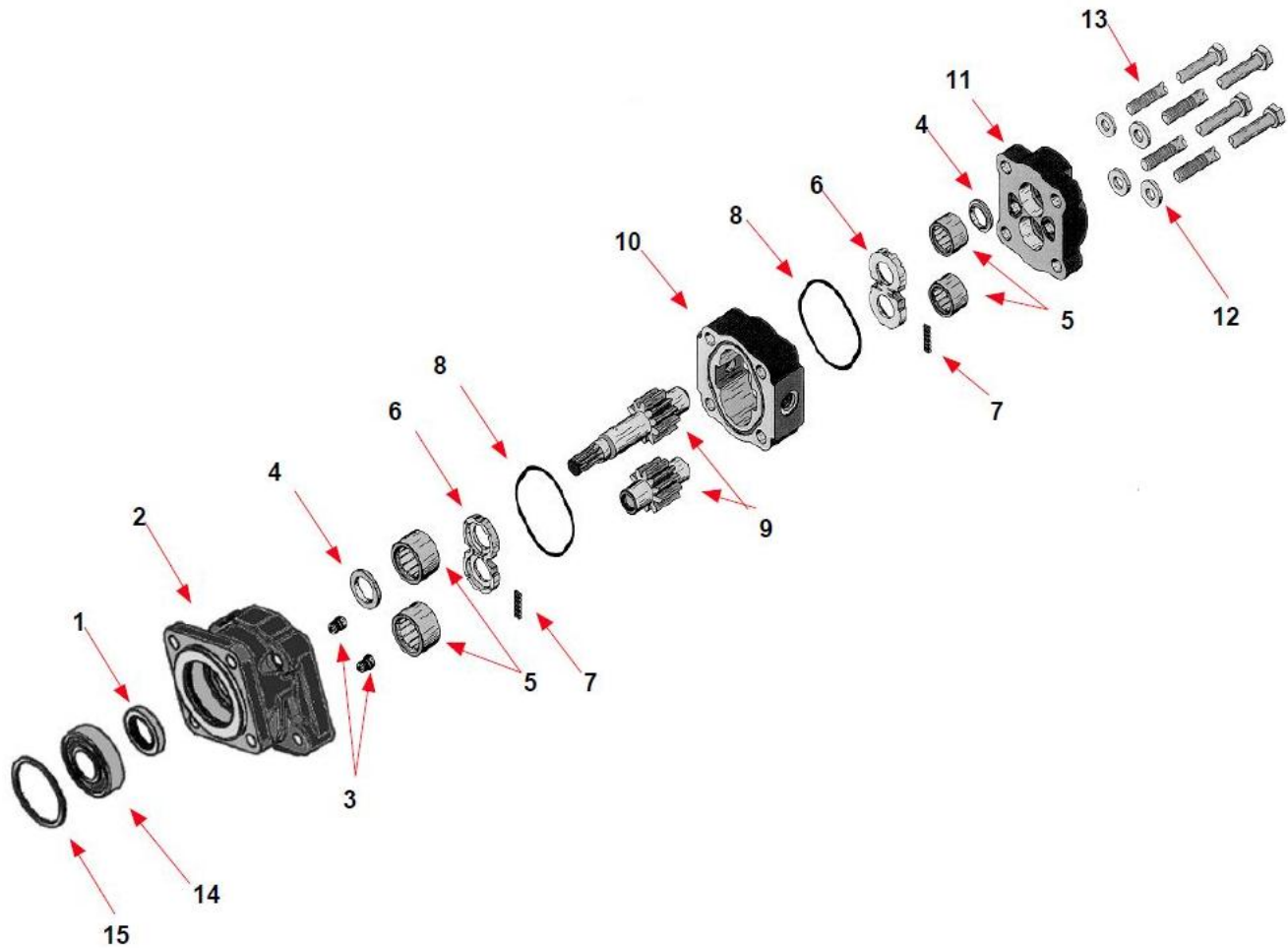
9783 PARTS LIST

ITEM	DESCRIPTION	ITEM	DESCRIPTION
SEAL KIT		PISTON KIT	
1	OIL SEAL	17	PISTON
2	PUMP GASKET	18	BALL
3	ALUMINUM WASHER	19	BALL STOP
4	ALUMINUM WASHER	20	SPRING
SHALF & BEARING KIT		21	SPRING PIVOT
5	SHALF	EXHAUST VALVE KIT	
6	NEEDLE BEARING	25	SEAT
7	SHALF KEY	26	BALL
8	SNAP RING	27	EXHAUST SPRING
9	WOBBLE KEY	28	CAGE SPRING
THRUST BEARING KIT		29	WASHER
10	THRUST RACE	30	PORT STUD
11	FRONT ROLLER RETAINER	REMAINING PUMP PARTS	
12	THRUST ROLLER RETAINER	31,32	DUAL RELIEF VALVE
13	WOBBLE PLATE	*36	PUMP CASTING
14	REAR ROLLER RETAINER	37	INTAKE HOUSING TUBE
15	THRUST PLATE BEARING	38	FRONT CASTING
16	PISTON THRUST PLATE	39	PUMP ASSEMBLY BOLT
		40	WASHER
		42	INTAKE SCREEN

SEAL KIT, P20 PUMP PART # A9558

QTY	ITEM #	PART #	DESCRIPTION
1	1	102462	PUMP, P20 SHAFT SEAL
1	7	102463	PUMP, P20 POCKET SEAL
2	8	102464	PUMP, P20 GASKET SEAL

PUMP, P-20 (GP2025) PART # 103053



ITEMS	DESCRIPTION	ITEMS	DESCRIPTION
1	LIP SEAL	9	GEAR SET
2	SHAFT END COVER	10	GEAR HOUSING
3	CHECKS (2)	11	PORT END COVER
4	RING SEALS (2)	12	WASHERS (4)
5	BEARINGS (4)	*NOT REQUIRED ON ALL UNITS	
6	THRUST PLATES (2)	13	CAP SCREWS (4)
7	POCKET SEAL STRIPS (2)	14	*OUTBOARDING BEARINGS
8	SECTION SEALS (2)	15	*SPIRAL LOCK

