



RL-H80

PARTS LIST # 102837M

USE THIS PARTS LIST FOR:

Hoist Serial Number 2733 to _____

For older hoists use the following:
Parts List No. 102837G for Serial Number 2485 to 2732

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

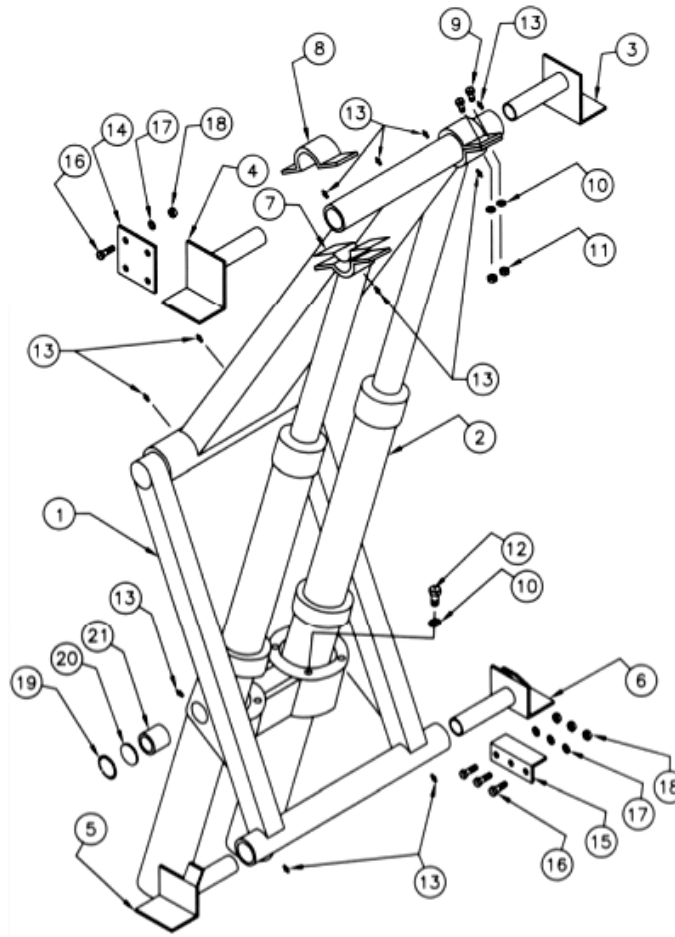
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UPDATED MARCH 2022

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H80 HOIST SCISSOR



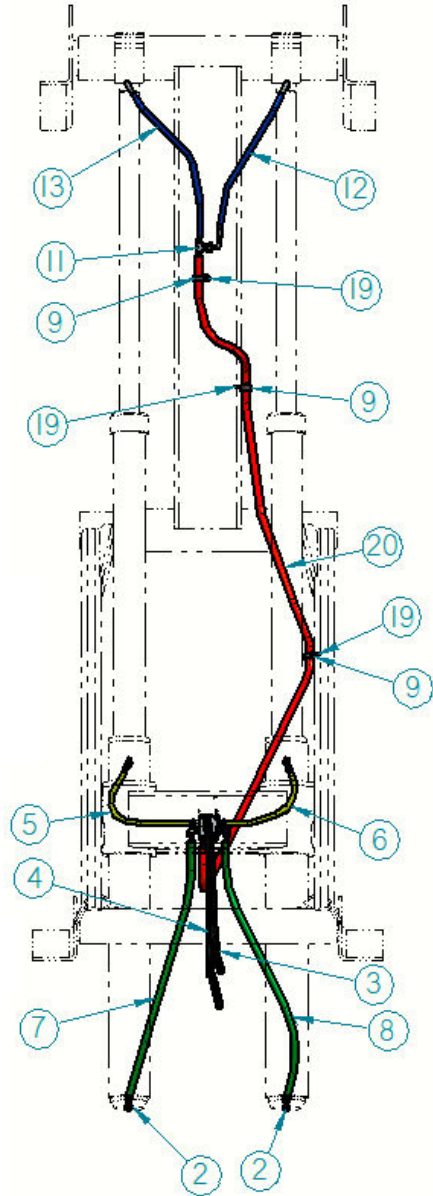
NOTES:*2 – A8140 INCLUDES CYLINDERS ASSY, CYLINDER TOP MOUNT, BRASS BUSHING, SCREWS, LOCK WASHERS AND NUTS.

*22 – A9778 INCLUDES ALL DECALS USED ON HOIST. SOME HOISTS MAY HAVE SELF-TAPPING ZERKS IN VARIOUS LOCATIONS.

H80 HOIST SCISSOR ASSEMBLY

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
1	A18624	1	SCISSOR ASSEMBLY	12	102974	8	SCREW, SCKTHD CAP
*2	A1840	2	CYLINDER ASSEMBLY (COMPLETE)	13	100037	12	GREASE FITTING, DRIVE IN
3	A18601	1	UPPER MOUNT	14	11126	2	STRINGER ATTACHMENT PLATE
4	A18602	1	UPPER MOUNT	15	11127	2	ANGLE, FRAME ATTA
5	A11172-1	1	LOWER MOUNT	16	100230	14	SCREW, HEX HD CAP
6	A11172-2	1	LOWER MOUNT	17	100272	14	WASHER, LOCK
7	12915	2	BUSHING, BRASS	18	100250	14	NUT, HEX
8	10898	2	CYLINDER TOP MOUNT	19	100147	2	SNAP RING
9	100240	8	SCREW, HEX HD CAP	20	15886	2	PLATE, GREASE RETAINING
10	100271	16	WASHER, LOCK	21	15862	2	BUSHING
11	100254	8	NUT, HEX	*22	A9778	1	DECAL KIT

H80 HOSE AND FITTINGS KIT

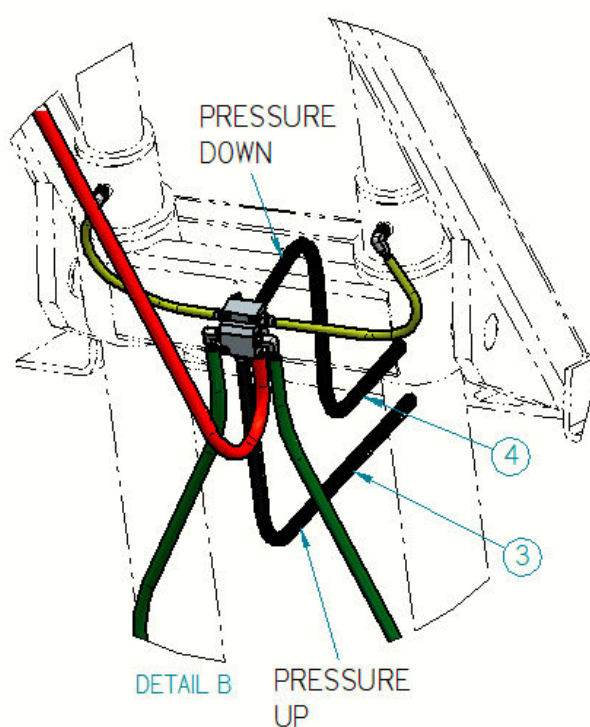
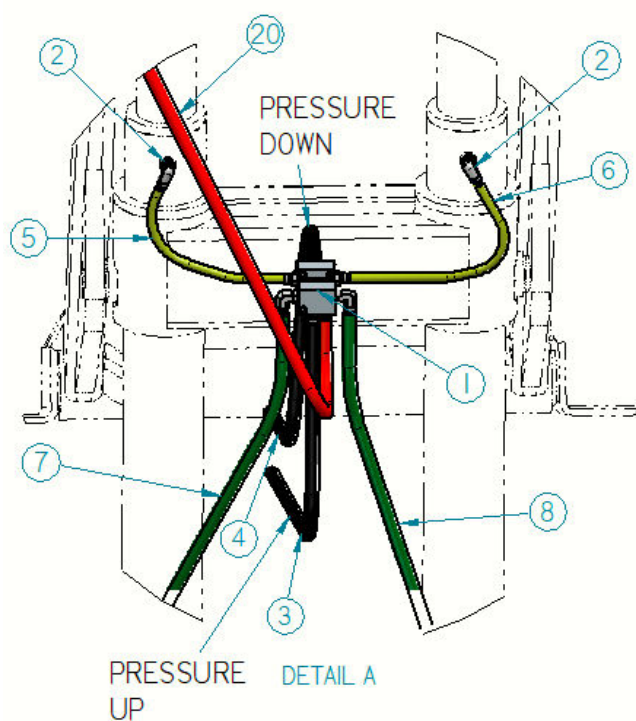
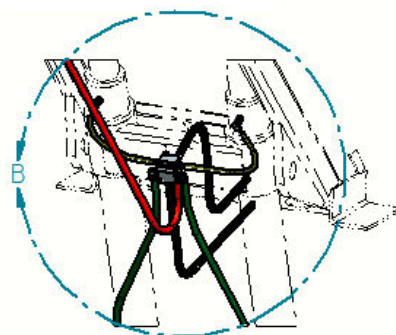
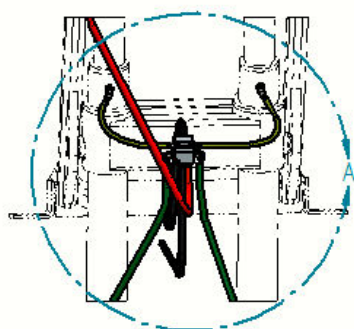


BACK VIEW

H80 HOSE & FITTINGS KIT PARTS LIST

ITEM #	QTY	PART #	DESCRIPTION	ITEM #	QTY	PART #	DESCRIPTION
				20	1	104171	HOSE ASSY, 3/8 X 73" LONG
9	3	100935	CLAMP, 1/2 IN. HOSE SUPPORT	19	3	100544	SCREW, HEX HD SELF TAPPING 5/16 X 3/4
8	1	104170	HOSE ASSY, 3/8 X 30" LONG	18	2	104177	NUT, LOCKING, 1/4-20
7	1	104170	HOSE ASSY, 3/8 X 30" LONG	17	2	100304	WASHER, LOCK 1/4 CADMIUM PLATED
6	1	104168	HOSE ASSY, 1/4 X 15" LONG	16	2	100443	WASHER FLAT, 1/4"
5	1	104168	HOSE ASSY, 1/4 X 15" LONG	15	1	104176	SCREW, SOCKET CAP, 1/4-20 x 2.75" LG
4	1	104172	HOSE ASSY, 3/8 X 120" LONG	14	1	104175	SCREW, SOCKET CAP, 1/4-20 x 1.75" LG
3	1	104172	HOSE ASSY, 3/8 X 120" LONG	13	1	104169	HOSE ASSY, 1/4 X 27" LONG
2	4	101642	90 DEG ELBOW, #6 O-RING(M) x #6 JIC(M)	12	1	104178	HOSE ASSY, 1/4 X 27" LONG W/90° ELBOW
1	1	A23380	BASE MANIFOLD ASSEMBLY - G70 - H80	11	1	104173	TEE, UNION, #6 JIC (M-M-M)

H80 HOSE & FITTINGS KIT DETAIL A & B



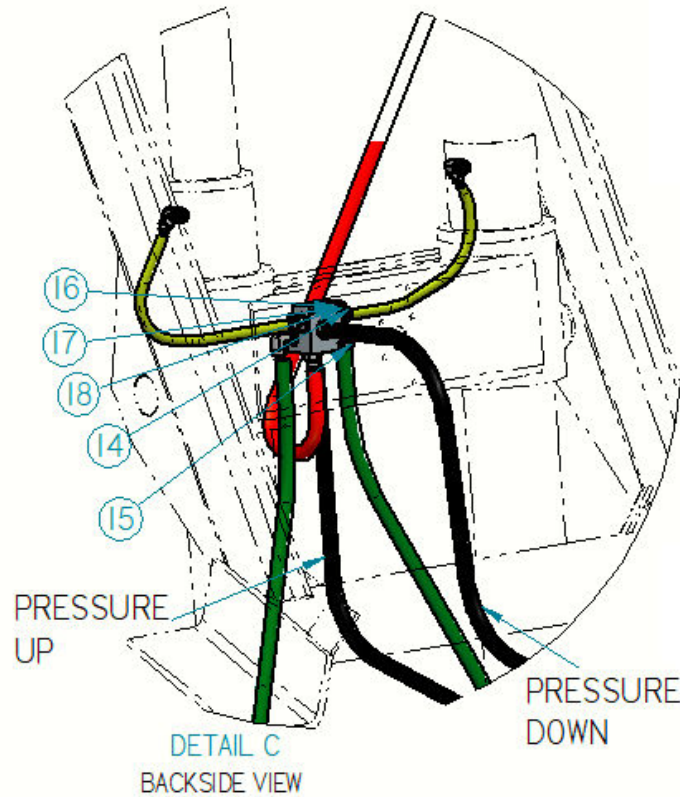
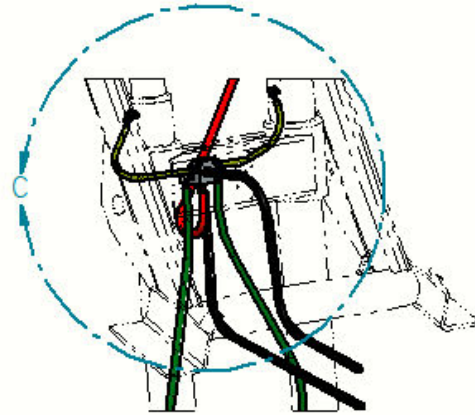
DETAIL A

DETAIL B

H80 HOSE & FITTINGS KIT PARTS LIST

ITEM #	QTY	PART #	DESCRIPTION	ITEM #	QTY	PART #	DESCRIPTION
				20	1	104171	HOSE ASSY, 3/8 X 73" LONG
9	3	100935	CLAMP, 1/2 IN. HOSE SUPPORT	19	3	100544	SCREW, HEX HD SELF TAPPING 5/16 X 3/4
8	1	104170	HOSE ASSY, 3/8 X 30" LONG	18	2	104177	NUT, LOCKING, 1/4-20
7	1	104170	HOSE ASSY, 3/8 X 30" LONG	17	2	100304	WASHER, LOCK 1/4 CADMIUM PLATED
6	1	104168	HOSE ASSY, 1/4 X 15" LONG	16	2	100443	WASHER FLAT, 1/4"
5	1	104168	HOSE ASSY, 1/4 X 15" LONG	15	1	104176	SCREW, SOCKET CAP, 1/4-20 x 2.75" LG
4	1	104172	HOSE ASSY, 3/8 X 120" LONG	14	1	104175	SCREW, SOCKET CAP, 1/4-20 x 1.75" LG
3	1	104172	HOSE ASSY, 3/8 X 120" LONG	13	1	104169	HOSE ASSY, 1/4 X 27" LONG
2	4	101642	90 DEG ELBOW, #6 O-RING(M) x #6 JIC(M)	12	1	104178	HOSE ASSY, 1/4 X 27" LONG W/90° ELBOW
1	1	A23380	BASE MANIFOLD ASSEMBLY - G70 - H80	11	1	104173	TEE, UNION, #6 JIC (M-M-M)

H80 HOSE & FITTINGS KIT DETAIL C

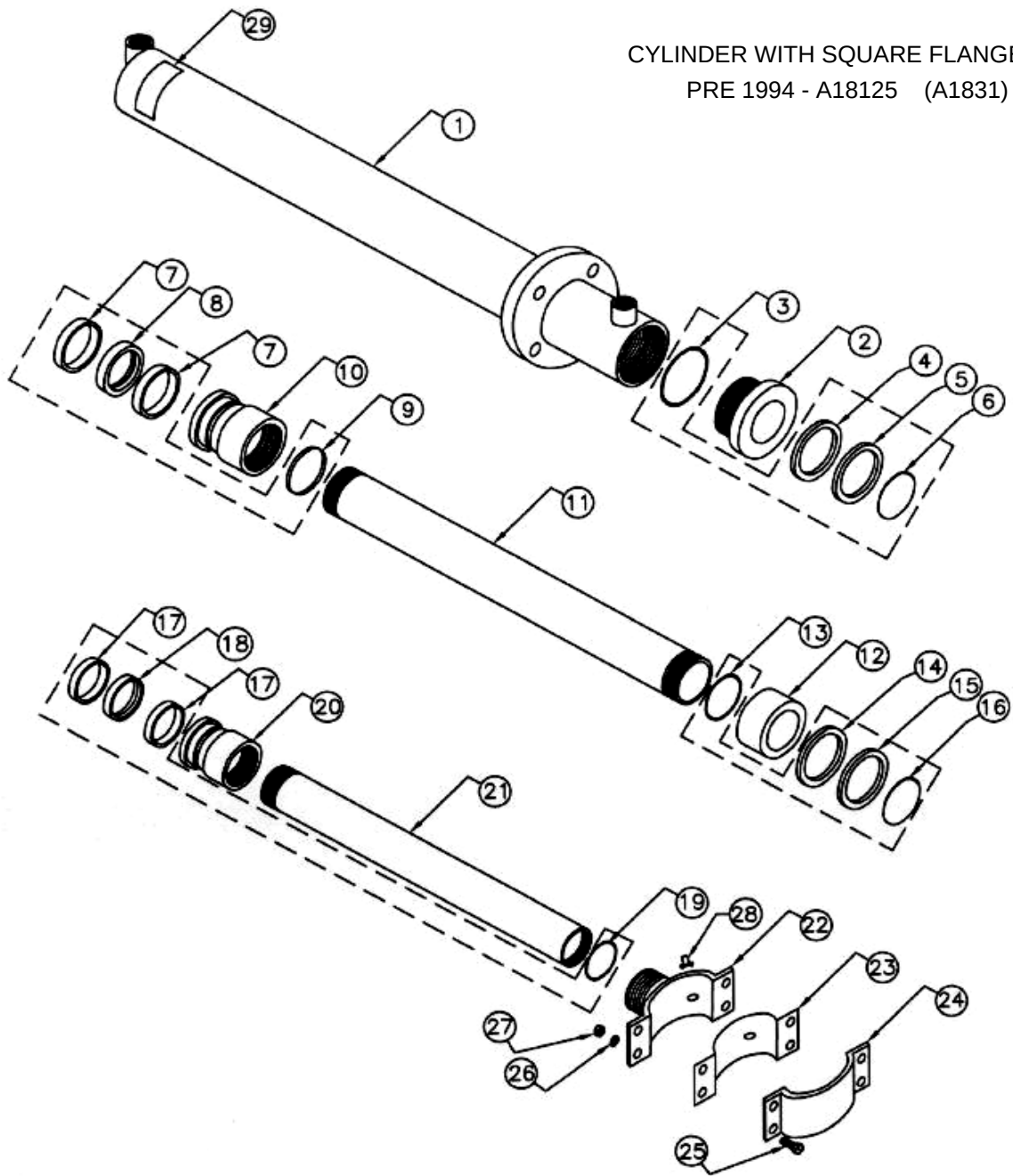


H80 HOSE & FITTINGS KIT PARTS LIST

ITEM #	QTY	PART #	DESCRIPTION	ITEM #	QTY	PART #	DESCRIPTION
				20	1	104171	HOSE ASSY, 3/8 X 73" LONG
9	3	100935	CLAMP, 1/2 IN. HOSE SUPPORT	19	3	100544	SCREW, HEX HD SELF TAPPING 5/16 X 3/4
8	1	104170	HOSE ASSY, 3/8 X 30" LONG	18	2	104177	NUT, LOCKING, 1/4-20
7	1	104170	HOSE ASSY, 3/8 X 30" LONG	17	2	100304	WASHER, LOCK 1/4 CADMIUM PLATED
6	1	104168	HOSE ASSY, 1/4 X 15" LONG	16	2	100443	WASHER FLAT, 1/4"
5	1	104168	HOSE ASSY, 1/4 X 15" LONG	15	1	104176	SCREW, SOCKET CAP, 1/4-20 x 2.75" LG
4	1	104172	HOSE ASSY, 3/8 X 120" LONG	14	1	104175	SCREW, SOCKET CAP, 1/4-20 x 1.75" LG
3	1	104172	HOSE ASSY, 3/8 X 120" LONG	13	1	104169	HOSE ASSY, 1/4 X 27" LONG
2	4	101642	90 DEG ELBOW, #6 O-RING(M) x #6 JIC(M)	12	1	104178	HOSE ASSY, 1/4 X 27" LONG W/90° ELBOW
1	1	A23380	BASE MANIFOLD ASSEMBLY - G70 - H80	11	1	104173	TEE, UNION, #6 JIC (M-M-M)

H80 HOIST CYLINDER PARTS

CYLINDER WITH SQUARE FLANGE
PRE 1994 - A18125 (A1831)



H80 HOIST CYLINDER PARTS LIST

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
~	A1840	2	CYLINDER ASSEMBLY H80		A9761	1	PISTON SEAL KIT
1	A18608	1	CYLINDER BODY ASS'Y	*17	102813	2	WEAR RING
2	18129	1	GLAND NUT	*18	102850	1	CROWN SEAL
	A9758	1	GLAND NUT SEAL KIT	*19	100519	1	O-RING
*3	100193	1	O-RING				
*4	102817	1	O-RING	10	18127	1	PISTON
*5	102819	1	BACK-UP RING	11	18126	1	TUBE, CYLINDER (FIRST STAGE)
*6	102820	1	WIPER RING	12	18130	1	GLAND NUT
*	103581	1	SEAL, POLYPAC	20	18128	1	PISTON
	A9759	1	PISTON SEAL KIT	21	11153	1	TUBE, CYLINDER (SECOND STAGE)
*7	102814	2	WEAR RING	22	A18609	1	CYLINDER MOUNT
*8	102851	1	CROWN SEAL	23	12915	1	BUSHING, BRASS
*9	102816	1	O-RING	24	10898	1	CYLINDER TOP MOUNT
	A9760	1	GLAND NUT SEAL KIT	25	100240	4	SCREW, HX HD CAP
*13	101160	1	O-RING	26	100271	4	WASHER, LOCK
*14	100445	1	O-RING	27	100254	4	NUT, HEX
*15	100619	1	BACK-UP RING	28	100037	1	GREASE FITTING, DRIVE IN
*16	100137	1	WIPER RING	29	101045	1	DECAL, MAX PRESSURE 3300 PSI
*	103216	1	SEAL, POLYPAC				

NOTE: A1840 INCLUDES CYLINDER ASSEMBLY, CYLINDER TOP MOUNT, BRASS BUSHING, SCREWS, LOCK WASHERS AND NUTS

*3-6 - NOT SOLD SEPARATLY, SOLD AS SEAL KIT #9758 ONLY

*7-9 - NOT SOLD SEPARATLY, SOLD AS SEAL KIT #9759 ONLY

*13-16 - NOT SOLD SEPARATLY, SOLD AS SEAL KIT #9760 ONLY

*17-19 - NOT SOLD SEPARATLY, SOLD AS SEAL KIT #9761 ONLY

ENGLAND KITS HAVE THE SAME PART NUMBERS

**GLAND NUT (18129) SEAL KIT
PART # A9758**

QTY	ITEM #	PART #	DESCRIPTION
1	1	103581	SEAL, POLY-PAK, LOADED U-CUP, 3 1/4 ID, E50-M130
1	2	102820	WIPER RING, 3 1/4 ID-31
1	3	100193	O-RING, 4 OD X 1/8 CS-240
1	4	102817	O-RING, 3 5/8 X 3/16
1	5	102819	BACK-UP, 3 1/4 OD

**PISTON (18127) SEAL KIT
PART # A9759**

QTY	ITEM #	PART #	DESCRIPTION
1	1	102851	CROWN SEAL, 3 1/2 ID X 3/16 CS-341-2
2	2	102814	WEAR RING, 3 3/4OD X 1/2 LG
1	3	102816	O-RING, 2 7/8 ID X 1/16 CS-040

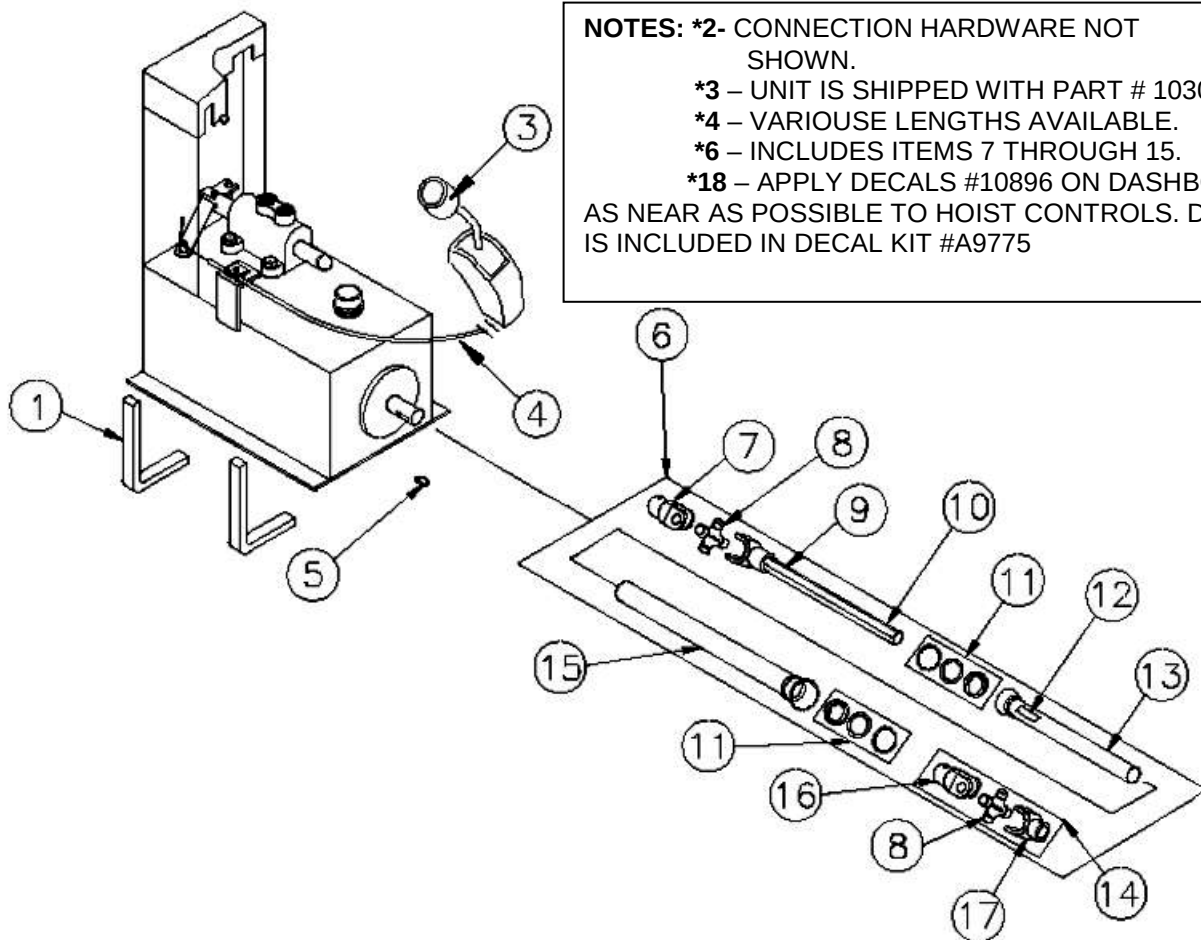
**GLAND NUT (18130) SEAL KIT
PART # A9760**

QTY	ITEM #	PART #	DESCRIPTION
1	1	103216	SEAL, HALITE
1	2	100137	WIPER RING, 2 ID-21
1	3	101160	O-RING, 3 ID X 1/8 CS-234
1	4	100619	BACK-UP, 2" ID
1	5	100445	O-RING, 2 3/8 X 3/16

**PISTON (18128) SEAL KIT
PART # A9761**

QTY	ITEM #	PART #	DESCRIPTION
1	1	102850	CROWN SEAL, 2 3/8 ID X 3/16 CS-332-2
2	2	102813	WEAR RING, 2 3/4 OD X 1/2 LG
1	3	100519	O-RING, 1 5/16 ID X 1/8 CS-219

PTO SHAFT AND PUMP ACCESSORIES



NOTES: *2- CONNECTION HARDWARE NOT SHOWN.

*3 – UNIT IS SHIPPED WITH PART # 103058.

*4 – VARIOUSE LENGTHS AVAILABLE.

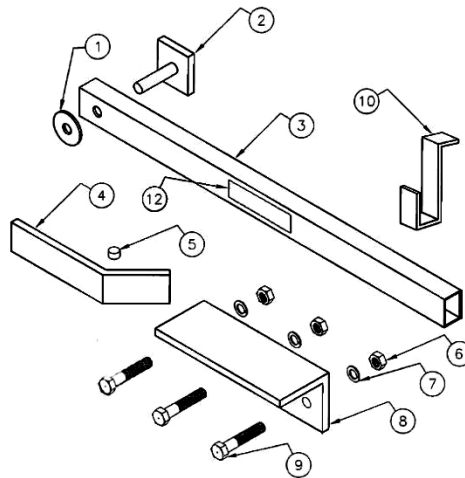
*6 – INCLUDES ITEMS 7 THROUGH 15.

*18 – APPLY DECALS #10896 ON DASHBOARD AS NEAR AS POSSIBLE TO HOIST CONTROLS. DECAL IS INCLUDED IN DECAL KIT #A9775

PTO SHAFT AND PUMP ACCESSORIES PARTS LIST

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

H80 HOIST SAFETY PROP

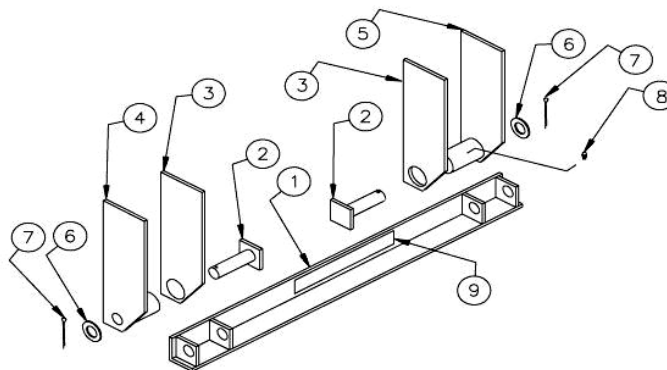


PARTS LIST

NOTE: *11 – APPLY ON OUTSIDE 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, 915	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				

H80 HOIST TAIL HINGE



PARTS LIST

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
~	A1281	1	TAIL HINGE 902	5	A10138-2	1	VERTICAL PLATE ASSEMBLY, RH, 902
1	A10141	1	ANGLE ASSEMBLY, TAIL HINGE 902	6	101071	2	WASHER, FLAT 1 1/2
2	A10137	2	PIN ASSEMBLY, TAIL HINGE 902	7	101076	2	COTTER PIN, 3/8 X 2 1/2 LG
3	10139	2	VERTICAL PLATE, 1/2 X 5 X 13 5/8 LG	8	100037	2	GREASE FITTING, DRIVE-IN, 1/4 LG
4	A10138-1	1	VERTICAL PLATE ASSEMBLY, LH, 902	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 # 10367

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 (WMS #1087)
1	4	9844	RELIEF VALVE, AUX, #2559 (WMS #1087)
1	5	9785	PUMP KIT, 8P, F98R, 3300PSI
1	6	9783	PUMP KIT, 8P, F98, 3300PSI (WMS #F98-11)
1	7	9036	RESERVOIR PUMP GASKET (WMS #10)
2	8	101273	GASKET, VALVE, 4-BOLT (WMS)
2	9	9037	SHAFT SEAL (WMS #1028)
1	10	9331	HOSE, 3/8 X 22 LG (WMS #1264)
1	11	9661	HOSE, 3/8 X 16 1/2 LG (WMS #1276)
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 (WMS #1013)
1	15	9843	SAFETY & OPERATING MANUAL, PUMP (WMS)

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

QTY	ITEM #	PART #	DESCRIPTION
1	1	103068	VALVE KIT, 4-WAY, #6
2	2	9282	RELIEF VALVE, SYSTEM, 3300PSI (WMS #1087)
1	3	9785	PUMP KIT, 8P, F98R, 3300PSI, 3-C (REBUILT)
1	4	9783	PUMP KIT, 8P, F98, 3300PSI (WMS #F98-11)
1	5	9036	RESERVOIR PUMP GASKET (WMS #1012)
2	6	101273	GASKET, VALVE, 4-BOLT (WMS)
2	7	9037	SHAFT SEAL (WMS #1028)
1	8	9661	HOSE, 3/8 X 16 1/2 LG (WMS #1276)
1	9	100182	BREATHING CAP, 2 3/4 OD X 1 1/2 (WMS #1013)
1	10	100182	BREATHING CAP, 2 3/4 OD X 1 1/2 (WMS #1013)
1	11	103055	CONTROL KIT, BONNET STYLE 6 W/ CURVED HANDLE, 84 LG
1	12	9843	SAFETY & OPERATING MANUAL, PUMP (WMS)

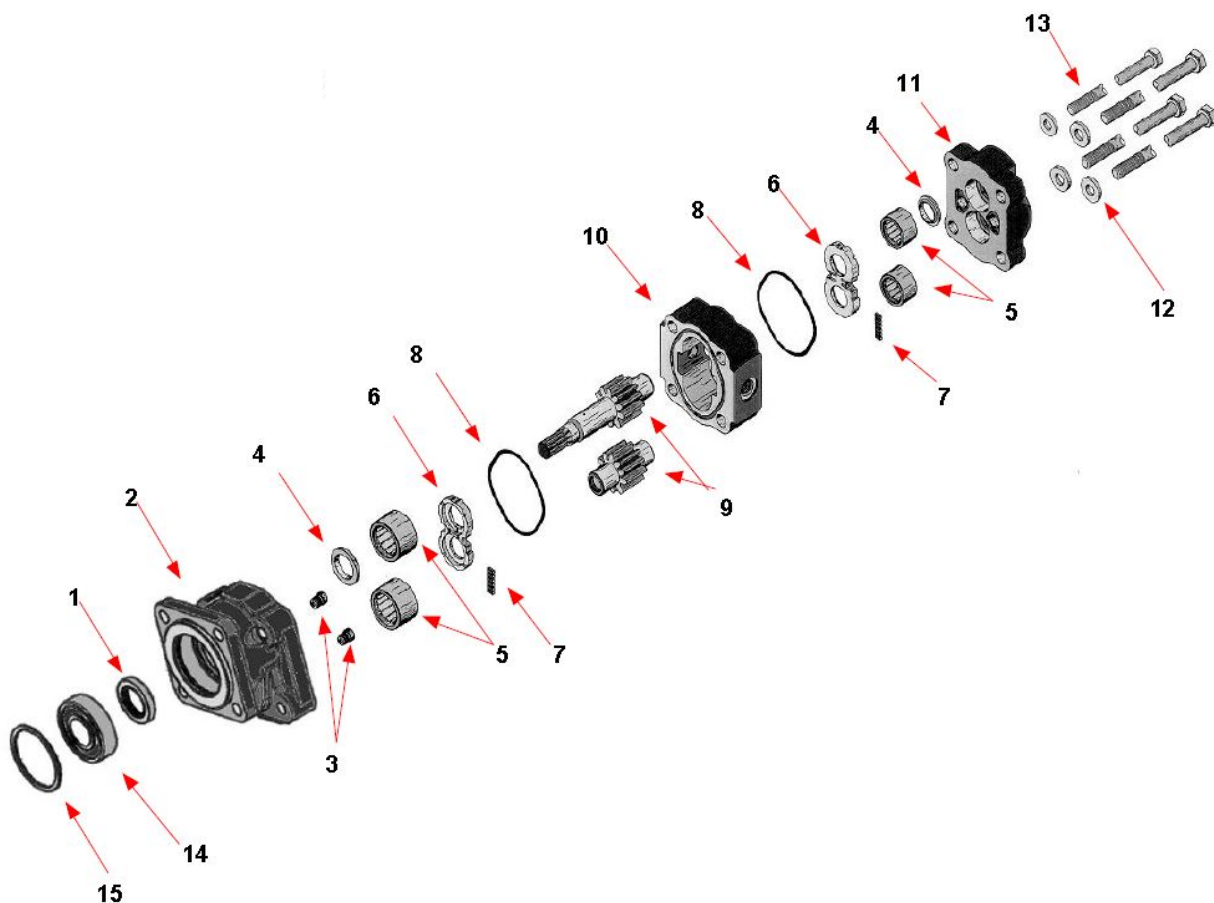
TANK & VALVE, 4W VALVE, WMS#W15-6C-27QY-24136-7
PART # 102912

QTY	ITEM #	PART #	DESCRIPTION
1	1	102671	VALVE, 4-WAY, 6WCR
2	2	9282	RELIEF VALVE, SYSTEM, 3300PSI (WMS #1087)
1	3	9279	RELIEF VALVE, 1500PSI
2	4	101273	GASKET, VALVE, 4-BOLT (WMS)
1	7	9842	INTAKE FILTER SCREEN, W15 TANK & VALVE (WMS #2132)
1	8	100182	BREATHER CAP, 2 3/4 OD X 1 1/2 (WMS #1013)
1	9	103055	CONTROL KIT, BONNET STYLE 6 W/ CURVED HANDLE, 84 LG
1	10	9843	SAFETY & OPERATING MANUAL, PUMP (WMS)

TANK & VALVE, 2-4W VALVES, WMS#W15-6-6R27QT-2416-7
PART # 102915

QTY	ITEM #	PART #	DESCRIPTION
1	1	102959	VALVE KIT, 4-WAY (WMS #6WR)
2	2	101275	VALVE KIT, 4-WAY, #6R
1	3	9282	RELIEF VALVE, SYSTEM, 3300PSI (WMS #1087)
2	4	8744	VALVE, RELIEF (AUX)
1	5	101273	GASKET, VALVE, 4-BOLT (WMS)
1	8	9101	INTAKE FILTER SCREEN (WMS #1113)
1	9	100182	BREATHER CAP, 2 3/4 OD X 1 1/2 (WMS #1013)
1	10	103055	CONTROL KIT, BONNET STYLE 6 W/ CURVED HANDLE, 84 LG
1	11	9843	SAFETY & OPERATING MANUAL, PUMP (WMS)

**PUMP, P-20 (GP2025)
PART # 103053**



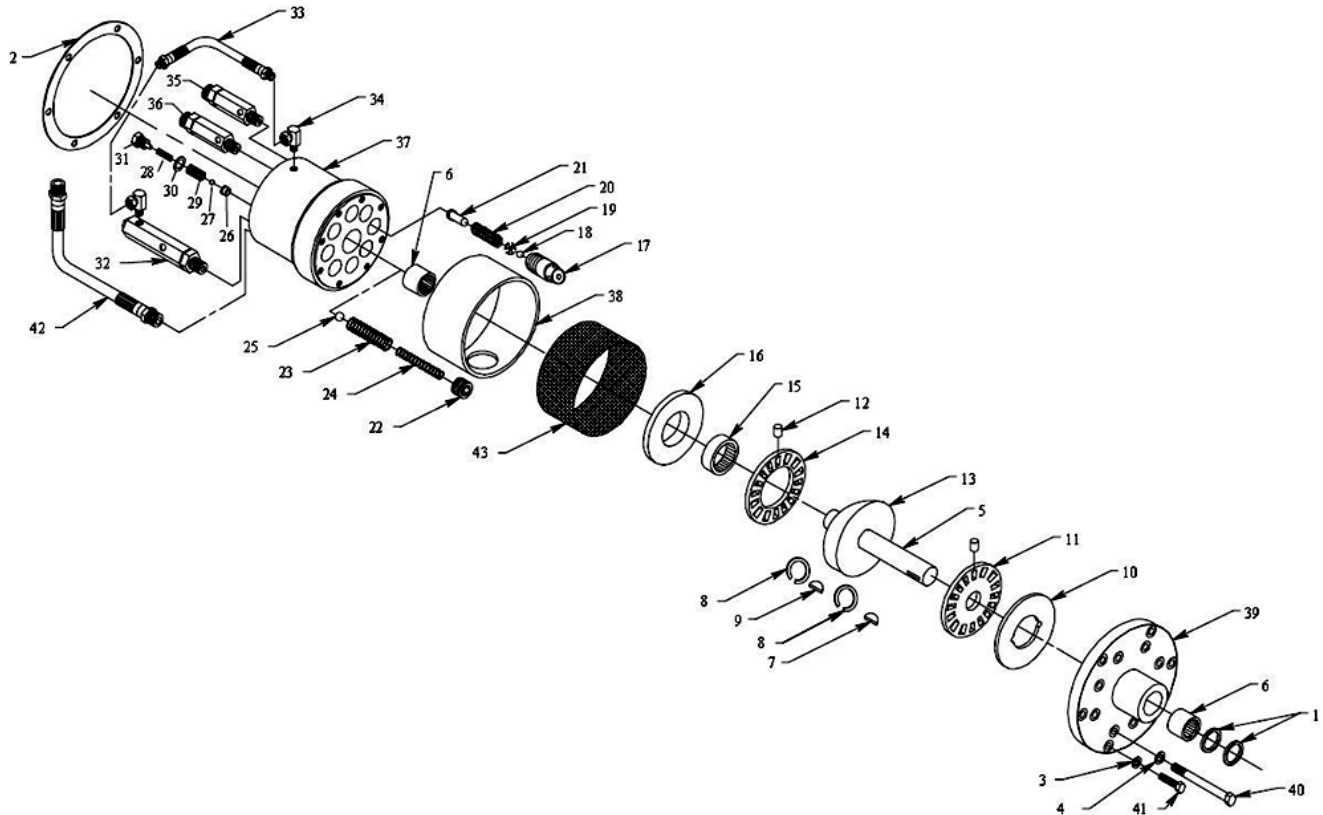
PUMP P-20 PARTS LIST

ITEM #	QTY	DESCRIPTION
1		Lip Seal
2		Shaft End Cover
3	2	Checks
4	2	Ring Seals
5	4	Bearings
6	2	Thrust Plates
7	2	Pocket Seal Strips
8	2	Section Seals
9		Gear Sets
10		Gear Housing
11		Port End Cover
12	4	Washers
13	4	Cap Screws
14		Outboard Bearing
15		Spiral Lock

SEAL KIT, P20 PUMP PART # A9558

QTY	ITEM#	PART #	DESCRIPTION
1	1	102462	SEAL, SHAFT P20 PUMP
1	7	102463	SEAL, PACKET STRIP P20 PUMP
2	8	102464	SEAL, GASKET P2 PUMP

MODEL F98 DIRECT MOUNT PUMP PART # 9783



***- NOT SOLD SEPARATELY**

SEAL KIT				PISTON KIT			
QTY	ITEM#	PART#	DESCRIPTION	QTY	ITEM#	PART#	DESCRIPTION
	1		OIL SEAL KIT		17		PISTON KIT
	2		PUMP GASKET		18		BALL
	3		ALUMINUM WASHER		19		BALL STOP
	4		ALUMINUM WASHER		20		SPRING
					21		SPRING PIVOT
SHAFT & BEARING KIT				EXHAUST VALVE KIT			
QTY	ITEM#	PART#	DESCRIPTION	QTY	ITEM#	PART#	DESCRIPTION
	5		SHAFT		25		SEAT
	6		NEEDLE BEARING		26		BALL
	7		SHAFT KEY		27		EXHAUST SPRING
	8		SNAP RING		28		CAGE SPRING
	9		WOBBLE KEY		29		WASHER
					30		PORT STUD
THRUST BEARING KIT				REMAINING PUMP PARTS			
	10		THRUST RACE		31,32		DUAL RELIEF VALVE
	11		FRONT ROLLER RETAINER		37		*PUMP CASTING
	12		THRUST ROLLER RETAINER		38		INTAKE HOUSING TUBE
	13		WOBBLE PLATE		39		FRONT CASTING
	14		REAR ROLLER RETAINER		40		PUMP ASSEMBLE BOLT
	15		THRUST PLATE BEARING		41		MOUNTING CAP SCREW
	16		PISTON THRUST PLATE		42		RESERVOIR HOSE
					43		INTAKE SCREEN

