



RL-F60

PARTS LIST # 102692N

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

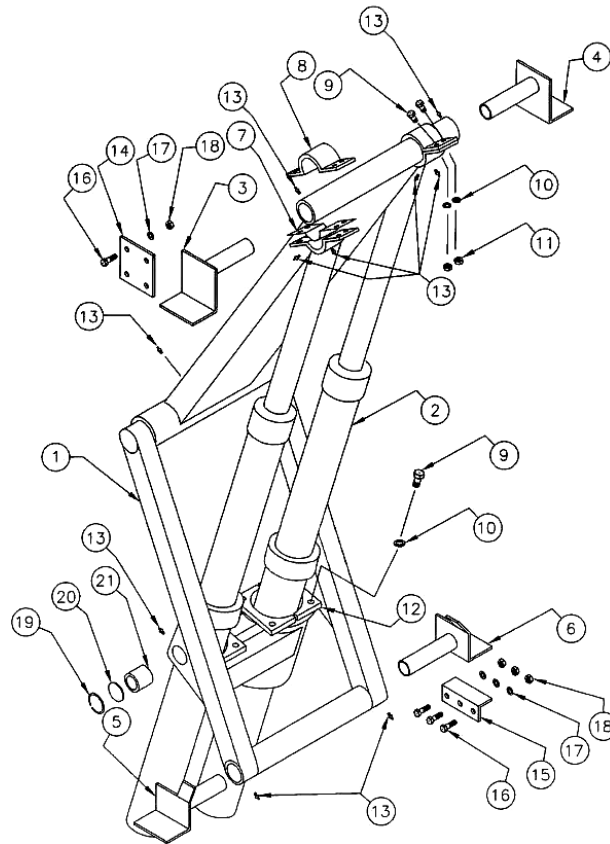
PHONE: (877) 427-7448 TOLL FREE
(970) 454-1755 LOCAL
PRICE: \$2.50

FAX: (970) 454-1761
EMAIL: customersupport@harshenviro.com
UPDATED MARCH 2022

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F60 HOIST SCISSOR ASSEMBLY



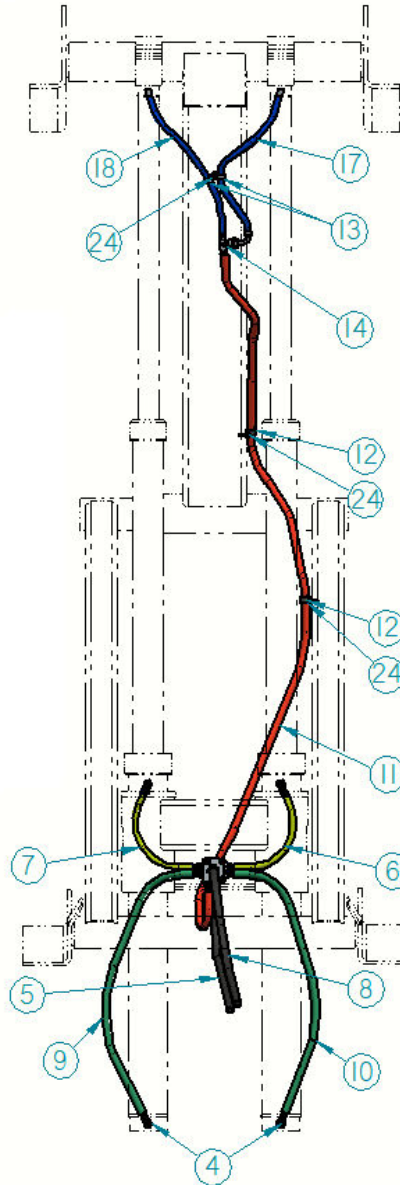
NOTES: *2 – A1698 INCLUDES CYLINDER ASSY, MOUNTING FLANGE HALVES, CYLINDER TOP MOUNT, BRASS BUSHING, SCREWS, LOCK WASHERS AND NUTS.

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

F60 HOIST SCISSORS ASSEMBLY PARTS LIST

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
1	A13908	1	SCISSOR ASSEMBLY, RL-F60	12	14159	4	MOUNT RING HALF, F60
*2	A1698	2	CYLINDER ASSEMBLY, COMPLETE, F60	13	100037	11	GREASE FITTING, DRIVE-IN, 1/4 LG
3	A14152	1	UPPER MOUNT ASSEMBLY, F-60	14	11126	2	STRINGER PLATE, 6 X 10 LG W/ 4 HOLES, E50-H80
4	A14153	1	UPPER MOUNT ASSEMBLY, F-60	15	11127	2	FRAME ATTACHMENT ANGLE, 3 X 4 X 10 LG, E50-H80
5	A14155	1	LOWER MOUNT ASSEMBLY, RH, F60	16	100230	14	SCREW, HX HD CAP, 1/2-20 UNF X 2 GR5
6	A14156	1	LOWER MOUNT ASSEMBLY, RH, F60	17	100272	14	WASHER, LOCK, 1/
7	12907	2	BUSHING, 2 1/2 X 6 25/32 W/ 6 HOLES, BRASS	18	100250	14	NUT, HEX 1/2-20 UNF
8	18631	2	CYLINDER TOP MOUNT, 2 1/2 X 6 25/32 LG, FORMED	19	100147	2	RETAINER RING, TW-7
9	100240	16	SCREW, HX HD CAP, 3/8-16 X 1 1/4 GR5	20	15886	2	GREASE RETAINER PLATE, 2 1/2 OD X 3/64 THK, F60-H80
10	100271	16	WASHER, LOCK, 3/8	21	103807	2	COMPOSITE BUSHING, F60-H80
11	100254	8	NUT, HEX 3/8-16 UNC GR5	*22	A9778	1	DECAL KIT, HOIST F60-G70-H80

F60 HOSE AND FITTINGS KIT

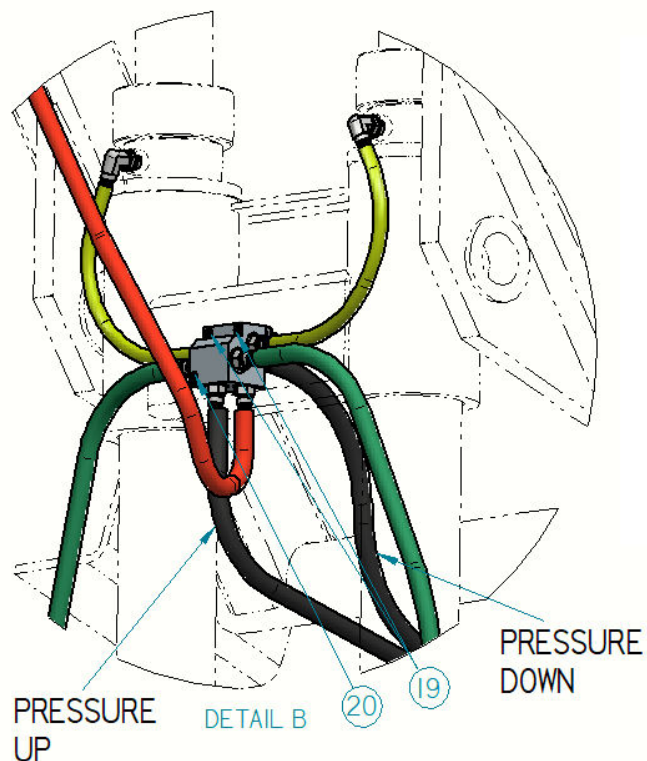
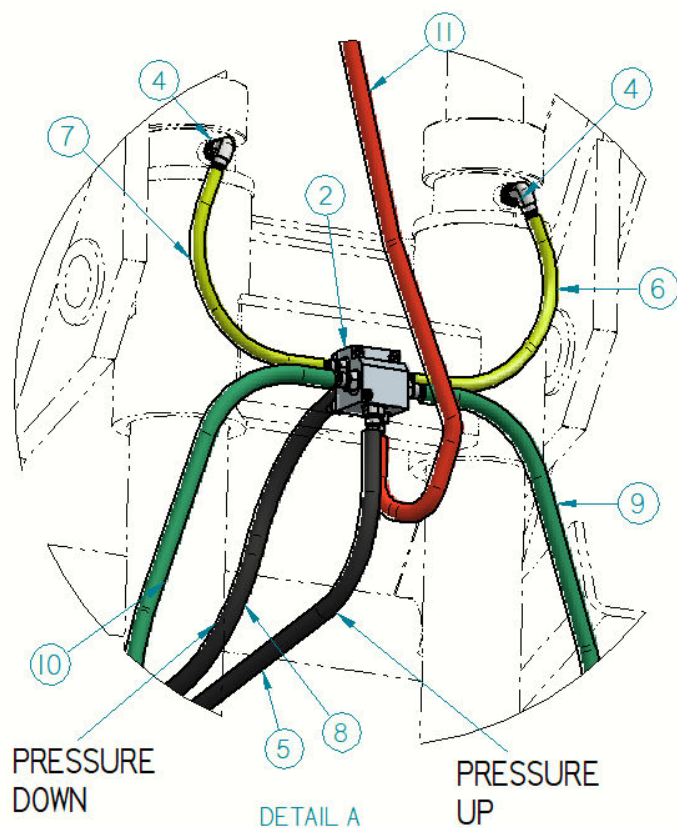
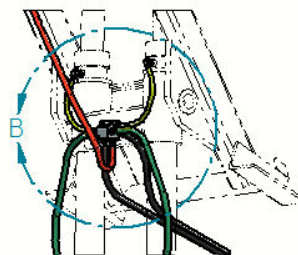
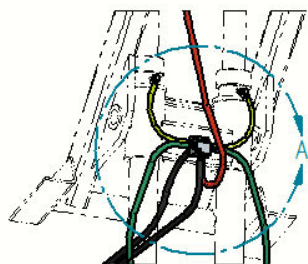


BACK VIEW

F60 HOSE & FITTINGS KIT PARTS LIST

ITEM #	QTY	PART #	DESCRIPTION	ITEM #	QTY	PART #	DESCRIPTION
12	2	100935	CLAMP, 1/2 IN. HOSE SUPPORT	24	3	100544	SCREW, HEX HD SELF TAPPING 5/16 X 3/4
11	1	104171	HOSE ASS'Y, 3/8 X 73" LONG	23	3	104177	NUT, LOCKING, 1/4-20
10	1	104475	HOSE ASS'Y, 3/8 X 28" LONG	22	3	100304	WASHER, LOCK 1/4 CADMIUM PLATED
9	1	104475	HOSE ASS'Y, 3/8 X 28" LONG	21	3	100443	WASHER FLAT, 1/4"
8	1	104172	HOSE ASS'Y, 3/8 X 120" LONG	20	1	104176	SCREW, SOCKET CAP, 1/4-20 x 2.75" LG
7	1	104168	HOSE ASS'Y, 1/4 X 15" LONG	19	2	104175	SCREW, SOCKET CAP, 1/4-20 x 1.75" LG
6	1	104168	HOSE ASS'Y, 1/4 X 15" LONG	18	1	104169	HOSE ASS'Y, 1/4 X 27" LONG
5	1	104172	HOSE ASS'Y, 3/8 X 120" LONG	17	1	104178	HOSE ASS'Y, 1/4 X 27" LONG W/ 90° ELBOW
4	4	101642	90 DEG ELBOW, #6 O-RING(M) x #6 JIC(M)	14	1	104173	TEE, UNION, #6 JIC (M-M-M)
2	1	A23379	BASE MANIFOLD ASSEMBLY - F60 - E50	13	2	100547	CLAMP, 1/4 IN. HOSE SUPPORT

F60 HOSE & FITTINGS KIT DETAIL A & B



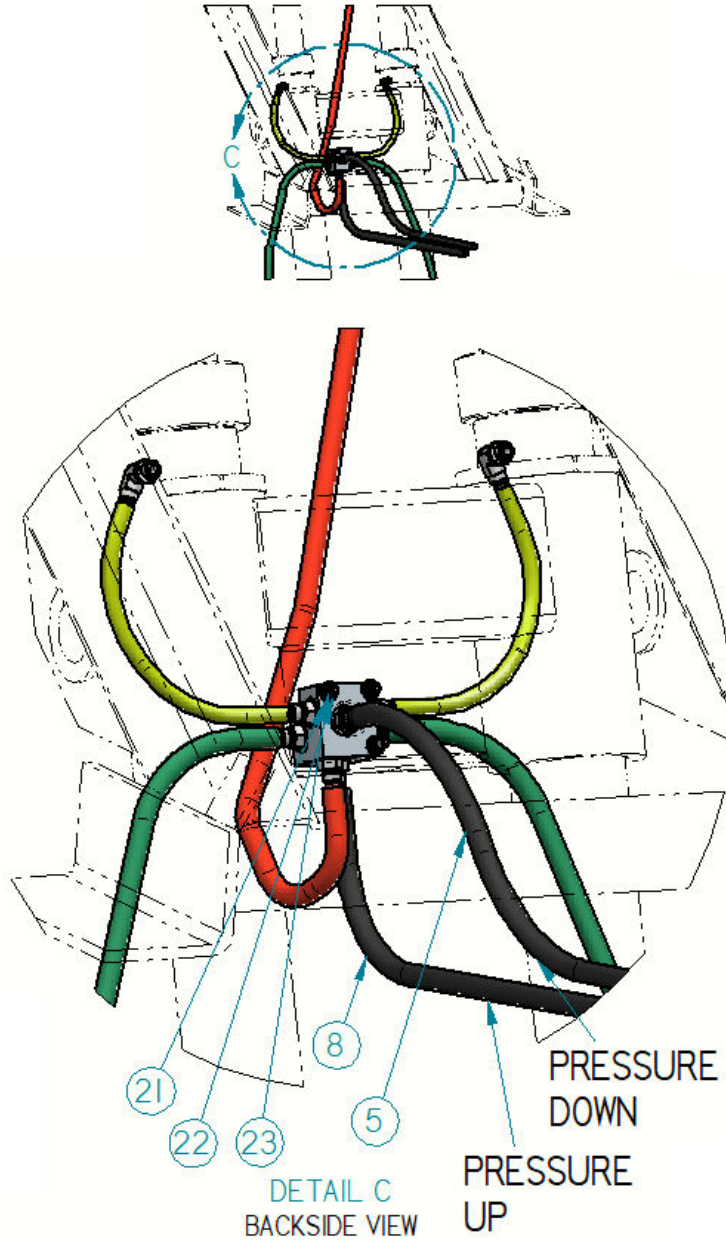
DETAIL A

DETAIL B

F60 HOSE & FITTINGS KIT PARTS LIST

ITEM #	QTY	PART #	DESCRIPTION	ITEM #	QTY	PART #	DESCRIPTION
12	2	100935	CLAMP, 1/2 IN. HOSE SUPPORT	24	3	100544	SCREW, HEX HD SELF TAPPING 5/16 X 3/4
11	1	104171	HOSE ASS'Y, 3/8 X 73" LONG	23	3	104177	NUT, LOCKING, 1/4-20
10	1	104475	HOSE ASS'Y, 3/8 X 28" LONG	22	3	100304	WASHER, LOCK 1/4 CADMIUM PLATED
9	1	104475	HOSE ASS'Y, 3/8 X 28" LONG	21	3	100443	WASHER FLAT, 1/4"
8	1	104172	HOSE ASS'Y, 3/8 X 120" LONG	20	1	104176	SCREW, SOCKET CAP, 1/4-20 x 2.75" LG
7	1	104168	HOSE ASS'Y, 1/4 X 15" LONG	19	2	104175	SCREW, SOCKET CAP, 1/4-20 x 1.75" LG
6	1	104168	HOSE ASS'Y, 1/4 X 15" LONG	18	1	104169	HOSE ASS'Y, 1/4 X 27" LONG
5	1	104172	HOSE ASS'Y, 3/8 X 120" LONG	17	1	104178	HOSE ASS'Y, 1/4 X 27" LONG W/ 90° ELBOW
4	4	101642	90 DEG ELBOW, #6 O-RING(M) x #6 JIC(M)	14	1	104173	TEE, UNION, #6 JIC (M-M-M)
2	1	A23379	BASE MANIFOLD ASSEMBLY - F60 - E50	13	2	100547	CLAMP, 1/4 IN. HOSE SUPPORT

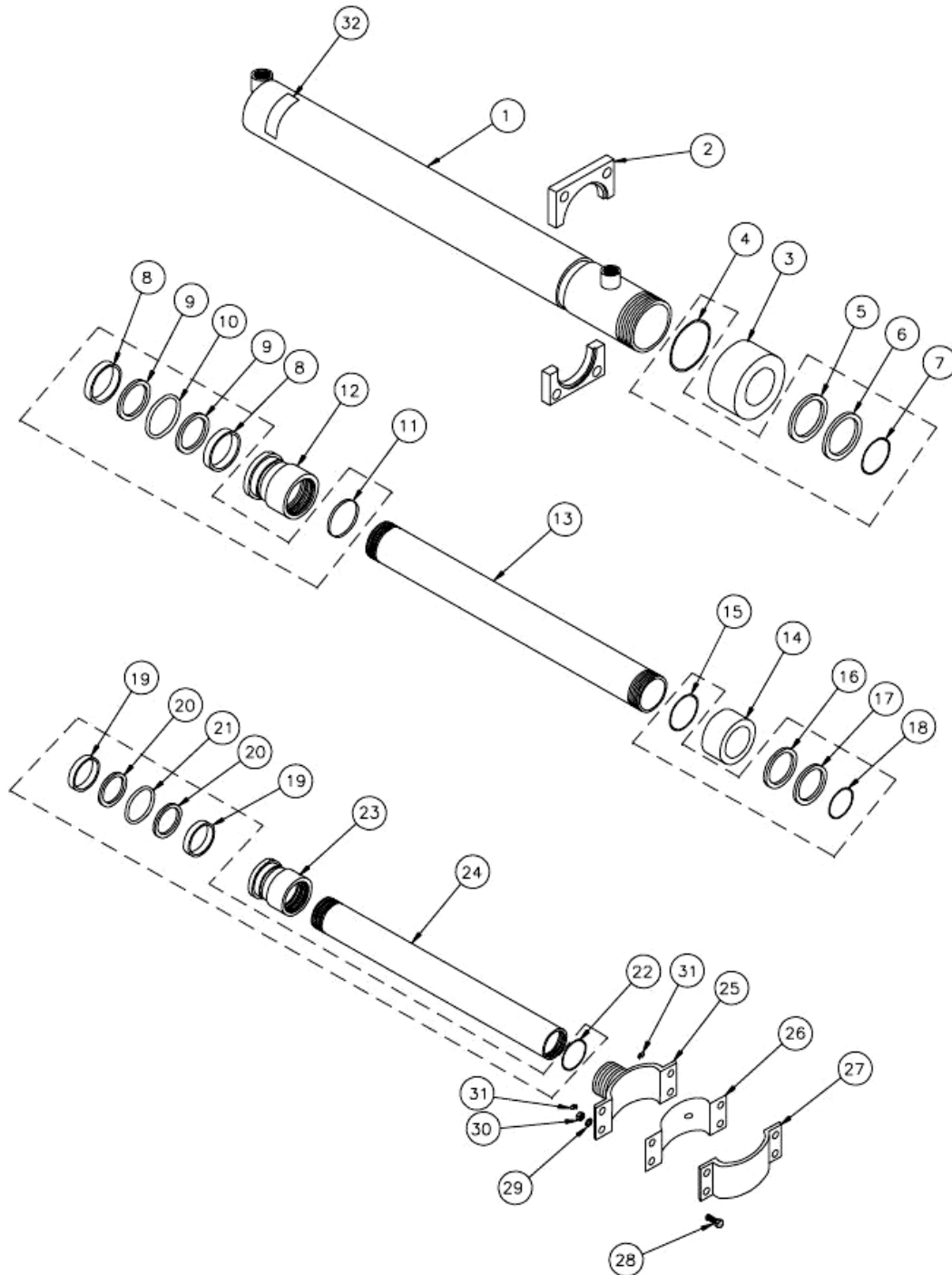
F60 HOSE & FITTINGS KIT DETAIL C



F60 HOSE & FITTINGS KIT PARTS LIST

ITEM #	QTY	PART #	DESCRIPTION	ITEM #	QTY	PART #	DESCRIPTION
12	2	100935	CLAMP, 1/2 IN. HOSE SUPPORT	24	3	100544	SCREW, HEX HD SELF TAPPING 5/16 X 3/4
11	1	104171	HOSE ASS'Y, 3/8 X 73" LONG	23	3	104177	NUT, LOCKING, 1/4-20
10	1	104475	HOSE ASS'Y, 3/8 X 28" LONG	22	3	100304	WASHER, LOCK 1/4 CADMIUM PLATED
9	1	104475	HOSE ASS'Y, 3/8 X 28" LONG	21	3	100443	WASHER FLAT, 1/4"
8	1	104172	HOSE ASS'Y, 3/8 X 120" LONG	20	1	104176	SCREW, SOCKET CAP, 1/4-20 x 2.75" LG
7	1	104168	HOSE ASS'Y, 1/4 X 15" LONG	19	2	104175	SCREW, SOCKET CAP, 1/4-20 x 1.75" LG
6	1	104168	HOSE ASS'Y, 1/4 X 15" LONG	18	1	104169	HOSE ASS'Y, 1/4 X 27" LONG
5	1	104172	HOSE ASS'Y, 3/8 X 120" LONG	17	1	104178	HOSE ASS'Y, 1/4 X 27" LONG W/ 90° ELBOW
4	4	101642	90 DEG ELBOW, #6 O-RING(M) x #6 JIC(M)	14	1	104173	TEE, UNION, #6 JIC (M-M-M)
2	1	A23379	BASE MANIFOLD ASSEMBLY - F60 - E50	13	2	100547	CLAMP, 1/4 IN. HOSE SUPPORT

F60 HOIST CYLINDER PARTS



NOTES: * - A1698 INCLUDES CYLINDER ASSY, MOUNTING FLANGES HALVES, CYLINDER TOP MOUNT, BRASS BUSHINGS, SCREWS, LOCK WASHERS AND NUTS.

*4 - 7 - NOT SOLD SEPARATELY, SOLD AS SEAL KIT # A9413 ONLY.

*8 - 11 - NOT SOLD SEPARATELY, SOLD AS SEAL KIT # A9414 ONLY.

*15 - 18 - NOT SOLD SEPARATELY, SOLD AS SEAL KIT # A9229 ONLY.

*19 - 22 - NOT SOLD SEPARATELY, SOLD AS SEAL KIT # A9230 ONLY.

F60 HOIST CYLINDER PARTS LIST

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
*	A1698	2	CYLINDER ASSEMBLY, COMPLETE, F60	*16	103216	1	SEAL, POLY-PAK, LOADED U-CUP 2 3/8 OD, E50-M130
1	A14167	1	CYLINDER BODY ASSEMBLY, RL-F60	*17	100619	1	BACK-UP RING, 2 ID-329
2	14159	2	MOUNT RING HALF, F60	*18	100137	1	WIPER RING, 2 ID-21
3	19764	1	GLAND NUT, 4 1/2 OD, 3 3/4 THREAD, F60	~	A9230	1	SEAL KIT, PISTON
~	A9413	1	SEAL KIT, GLAND NUT, F60	*19	100566	2	WEAR RING, 2 1/2, GLASS FILLED NYLON
*4	101986	1	O-RING, 3 5/8 ID X 1/8 CS-239	*20	100620	2	BACK-UP RING, 2 1/8 ID-330, F60,G70
*5	103580	1	SEAL, HALLITE, 2 7/8 ID	*21	100155	1	O-RING, 2 1/2 OD X 3/16 CS-330
*6	100604	1	BACK-UP RING, 2 7/8 ID-336, W/HOLE	*22	100519	1	O-RING, 1 5/16 ID X 1/8 CS-219
*7	100384	1	WIPER RING, 2 7/8 ID-28	23	11145	1	PISTON, TOP STAGE, RL108
~	A9414	1	SEAL KIT, F60 PISTON	24	14171	1	CYLINDER TUBE, 2 OD X 33 3/16 LG, F60
*8	101972	2	WEAR RING, 3 1/4 OD X 1/2 LG	25	A11161	1	CYLINDER TOP MOUNT ASSEMBLY, F60,G70
*9	100604	2	BACK-UP RING, 2 7/8 ID-336, W/HOLE	26	12907	1	BUSHING, 2 1/2 X 6 25/32 W/ 6 HOLES, BRASS
1	100158	1	O-RING, 3 1/4 OD X 3/16 CS-336	27	18631	1	CYLINDER TOP MOUNT, 2 1/2 X 6 25/32 LG, FORMED
*11	100520	1	O-RING, 2 5/8 OD X 1/16 CS-037	28	100240	4	SCREW, HX HD CAP, 3/8-16 X 1 1/4 GR5
12	14173	1	PISTON, 3 3/16 OD X 2 15/16 LG, F60	29	100271	4	WASHER, LOCK, 3/8
13	14170	1	CYLINDER TUBE, 2 7/8 OD X 32 5/8 LG, F60	30	100254	4	NUT, HEX 3/8-16 UNC GR5
14	11144	1	GLAND NUT, 3 1/2 OD X 2 7/8 THREAD, F60,G70	31	101953	2	GREASE FITTING, 1/4-28 SELF-TAPPING
~	A9229	1	SEAL KIT, GLAND NUT	32	101045	1	DECAL, MAX CYLINDER PRESSURE 3300 PSI "CAUTION"
*15	100191	1	O-RING, 3 OD X 1/8 CS-232				

GLAND NUT (14172) SEAL KIT
PART # A9413

QTY	ITEM #	PART #	DESCRIPTION
1	1	101986	O-RING, 3 5/8 ID X 1/8 CS-239
1	2	100158	O-RING, 3 1/4 OD X 3/16 CS-336
1	3	100604	BACK-UP RING, 2 7/8 ID-336, W/HOLE
1	4	100384	WIPER RING, 2 7/8 ID-28
1	5	103580	SEAL, LOADED U-CUP POLYPAC 2 7/8 ID

PISTON (14173) SEAL KIT
PART # A9414

QTY	ITEM #	PART #	DESCRIPTION
1	1	100520	O-RING, 2 5/8 OD X 1/16
1	2	100158	O-RING, 3 1/4 OD X 3/16
2	3	100604	BACK-UP RING, 2 7/8 ID-336, W/HOLE
2	4	101972	WEAR RING, 3 1/4 OD X 1/2 LG
1	5	103216	SEAL, HALITE 2" ID

GLAND NUT (11144) SEAL KIT
PART # A9229

QTY	ITEM #	PART #	DESCRIPTION
1	1	100191	O-RING, 3 OD X 1/8 CS-232
1	2	100445	O-RING, 2 ID X 3/16 CS-329
1	3	100619	BACK-UP RING, 2 ID-329
1	4	100137	WIPER RING, 2 ID - 21

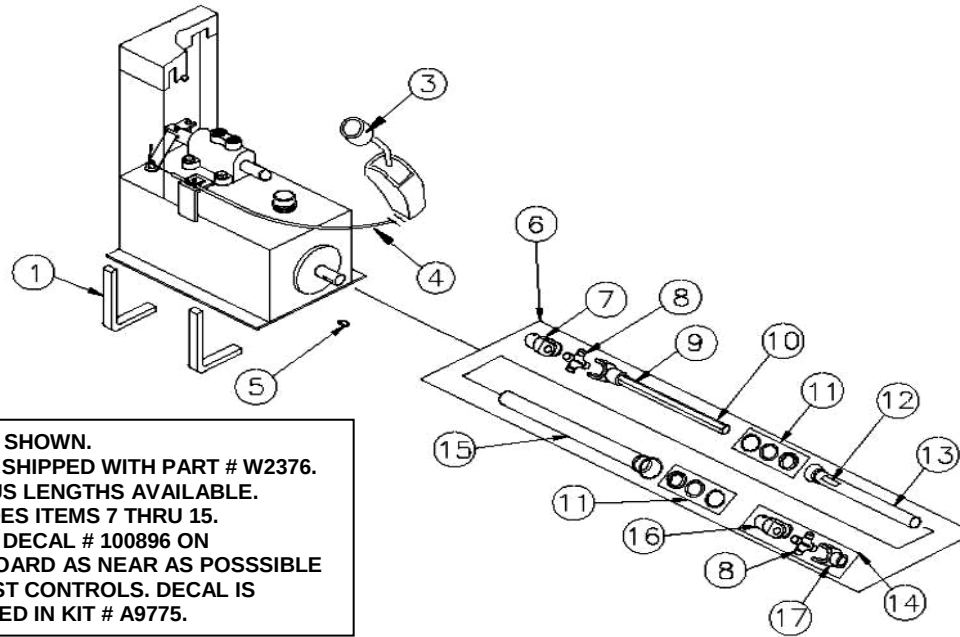
PISTON (11145) SEAL KIT
PART # A9230

QTY	ITEM #	PART #	DESCRIPTION
1	1	100519	O-RING, 1 5/16 ID X 1/8 CS-219
1	2	100155	O-RING, 2 1/2 OD X 3/16 CS-330
2	3	100620	BACK-UP RING, 2 1/8 ID-330, F60,G70
2	4	100566	WEAR RING, 2 1/2, GLASS FILLED NYLON

DECAL KIT
PART # A9778

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

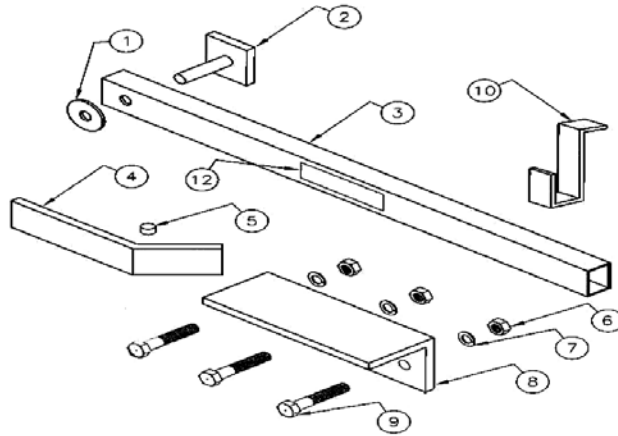
PTO SHAFT AND PUMP ACCESSORIES



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

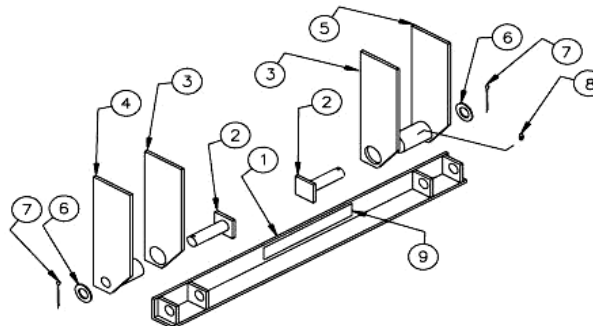
F60 HOIST SAFETY PROP



NOTES: *11 – ITEM NOT SHOWN, APPLY ON OUTSIDE RUB RAIL IN AREA OF THE SERVICE SAFETY PROP. ONE DECAL ON EACH SIDE OF BOX.

F60 HOIST SAFETY PROP PARTS LIST

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
~	A1387	1	BOX PROP, SHIPPING BUNDLE, 915	6	100250	3	NUT, HEX 1/2-20 UNF
1	101123	1	WASHER, FLAT 1 1/8 SAE	7	100272	3	WASHER, LOCK, 1/2
2	A12245	1	TOP PIN PLATE ASSEMBLY, HOIST	8	12251	1	BOX PROP ANGLE, 3/8 X 3 X 3 X 8 LG, HOIST
3	12243	1	BOX PROP TUBE, 2 X 3 X 37 3/4 LG, HOI	9	100230	3	SCREW, HX HD CAP, 1/2-20 UNF X 2 GR5
4	12249	1	SIDE PLATE BAR, 1/4 X 2 X 10 1/2 LG, FORMED, HOIS	10	12256	1	LATCHING BRACKET, FORMED, 2 5/8 X 7 3/4 LG
5	12248	1	STOP PEG, 3/8-1/2 THICK X 5/8-7/8 OD	*11	101101	2	DECAL, BOX PROP 4 3/4 X 10 LG
				12	101102	1	DECAL, BOX PROP 1 1/2 X 9 1/4 LG



TAIL HINGE PARTS LIST

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
~	A1281	1	TAIL HINGE 902, 15-A LARGE	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	BREATHER 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	BREATHER 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

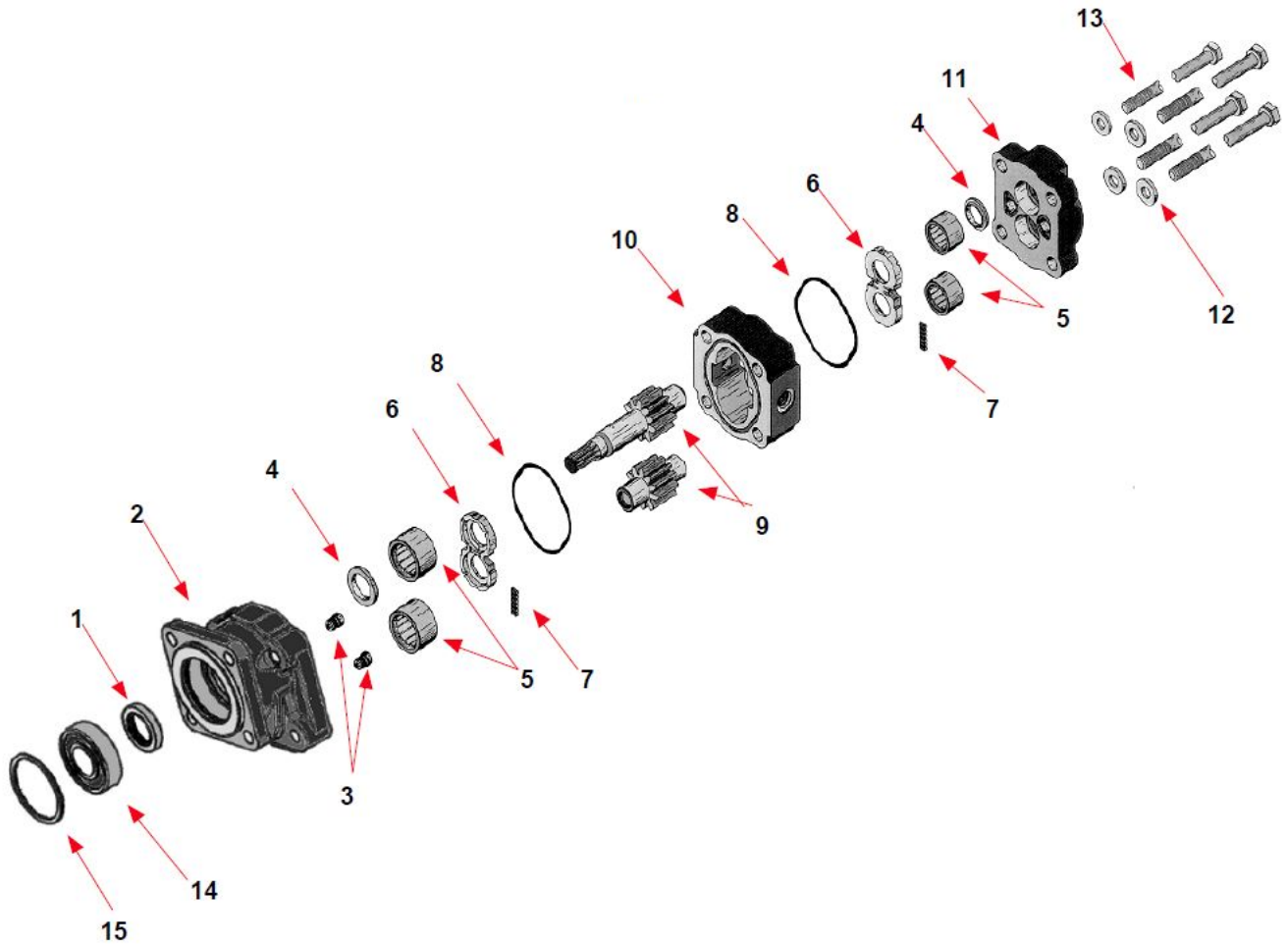
**TANK & VALVE, 4W VALVE, WMS#W15-6C-27QT-2416-7
PART # 104455**

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	BREATHER 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	BREATHER 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

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

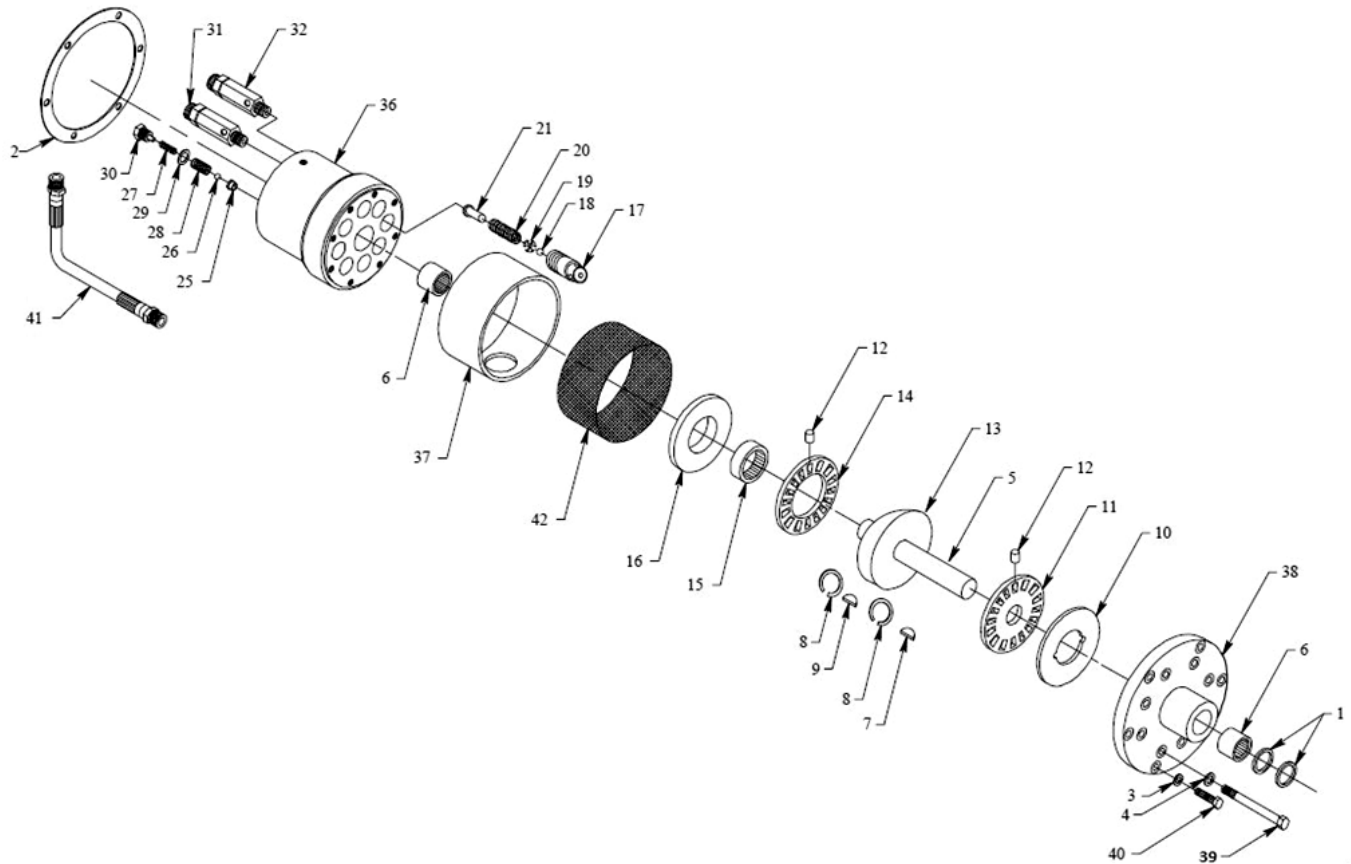


ITEMS	DESCRIPTION	ITEMS	DESCRIPTION
1	LIP SEAL	9	GEAR SET
2	SHAFT END COVER	10	GEAR HOUSING
3	CHECKS (2)	11	PORT END COVER
4	RING SEALS (2)	12	WASHERS (4)
5	BEARINGS (4)	*NOT REQUIRED ON ALL UNITS	
6	THRUST PLATES (2)	13	CAP SCREWS (4)
7	POCKET SEAL	14	*OUTBOARDING BEARINGS
8	SECTION SEALS (2)	15	*SPIRAL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

**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

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

