

Mi-T-M[®] CORPORATION

8650 Enterprise Drive, Peosta IA 52068

GP-3500-0MVC

(GRAINGER ITEM #4ZZ98)

COLD WATER DIRECT DRIVEN
PRESSURE WASHER

MANUFACTURED FOR W.W. GRAINGER INC
FOR REPLACEMENT PARTS CALL 888-279-9274

ENGINE OIL GRADE:

ENGINE OIL CAPACITY:

PUMP OIL GRADE:

PUMP OIL CAPACITY:

NOZZLE SIZE:

ABOVE 40°F=SAE 30

BELOW 40°F=SAE 10W 30

51 oz.

Mi-T-M PUMP OIL #AW-4085-0016

15 oz.

3.5

This Parts Listing has been compiled for your benefit. You can be assured your Mi-T-M Cold Water Pressure Washer was constructed and designed with quality and performance in mind using over 25 years experience in the pressure washer business. Each component has been rigorously tested to insure the highest level of acceptance.

The contents of this Parts Listing are based on the latest product information available at the time of publication. Mi-T-M reserves the right to make changes in price, color, materials, equipment, specifications or models at any time without notice.

WARNING

THIS IS A PROFESSIONAL HIGH PRESSURE, COLD WATER PRESSURE WASHER. CAUTION SHOULD BE OBSERVED WHEN USING OR REPAIRING THIS UNIT! READ AND FOLLOW THE SAFETY WARNINGS LISTED BELOW BEFORE ATTEMPTING ANY REPAIRS ON THIS PRESSURE WASHER!

SAFETY WARNINGS

- 1. NEVER alter or modify the equipment. Be sure any accessory items and system components being used will withstand the pressure developed. Use only genuine Mi-T-M parts for repair of your pressure washer. Failure to do so can cause hazardous operating conditions and will VOID warranty.
- 2. NEVER make adjustments on machinery while the unit is connected to the engine without first removing the ignition cable from the spark plug. Turning over the machinery by hand during adjustment or cleaning might start the engine and machinery with it, causing serious injury to the operator.
- 3. Know how to stop and bleed pressures quickly. Be thoroughly familiar with controls.
- 4. Before servicing the unit, turn unit off, relieve the water pressure and allow the unit to cool down. Do not make repairs while the unit is running. Service in a clean, dry, flat area. Block the wheels to prevent the unit from moving. Be especially careful to properly dispose of any flammable materials.
- 5. After testing the machine, DO NOT leave the pressurized unit unattended. Shut off the unit and release trapped pressure before leaving.

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SPECIFICATIONS

MODEL NUMBER	GP-3500-0MVC
Operating Pressure (PSI/Bar):	3500/241
High Pressure Nozzle:	3.5
Water Volume (GPM/lpm):	3.3/12.5
Engine:	Briggs & Stratton Vanguard
Horsepower	13.0
Engine Type	4 Stroke, Overhead Valve, Single Cylinder
Oil Type	Above 40°F=SAE 30W (Grainger Item #4ZF21) Below 40°F=SAE10W-30 (Grainger Item #4F743)
Oil Capacity (oz./liters)	51/1.5
Low Oil Protection	Oil Guard™
Fuel Type	Unleaded Gasoline 86 Octane Minimum
Fuel Capacity (Qt./liters)	8.3/7.9
Starting	Recoil Rope
Maximum No Load RPM	3600 (+/- 100) RPM
Pump:	Direct Driven, Oil Bath, Triplex Piston
Oil Type	SAE30W Non-Detergent (Grainger Item #4ZF21)
Oil Capacity (oz./liters)	15/.44
Plungers	Ceramic
Manifold	Forged Brass
Valves	Stainless Steel
Unloader	Adjustable
Thermal Relief Valve	Protects pump valves and seals from overheating.
Detergent Injector	Low pressure down stream from pump
Unit Net Weight (lbs/Kg)	141/64
Unit Shipping Weight (lbs/Kg)	191/87
Unit Net Dimension (Maximum Adjustable Height w/ 2" Adjustment) (in/cm)	41Lx22Wx39H/104Lx56Wx99H
Unit Net Dimension (Handle Folded) (in/cm)	35.5Lx22Wx26.5H/90Lx56Wx67H
Unit Shipping Dimension (in/cm)	39.5Lx25.5Wx32.5H/100.5Lx65Wx82.5H

NOTES

SERIAL BREAK NUMBER:

#10126283

#10176595

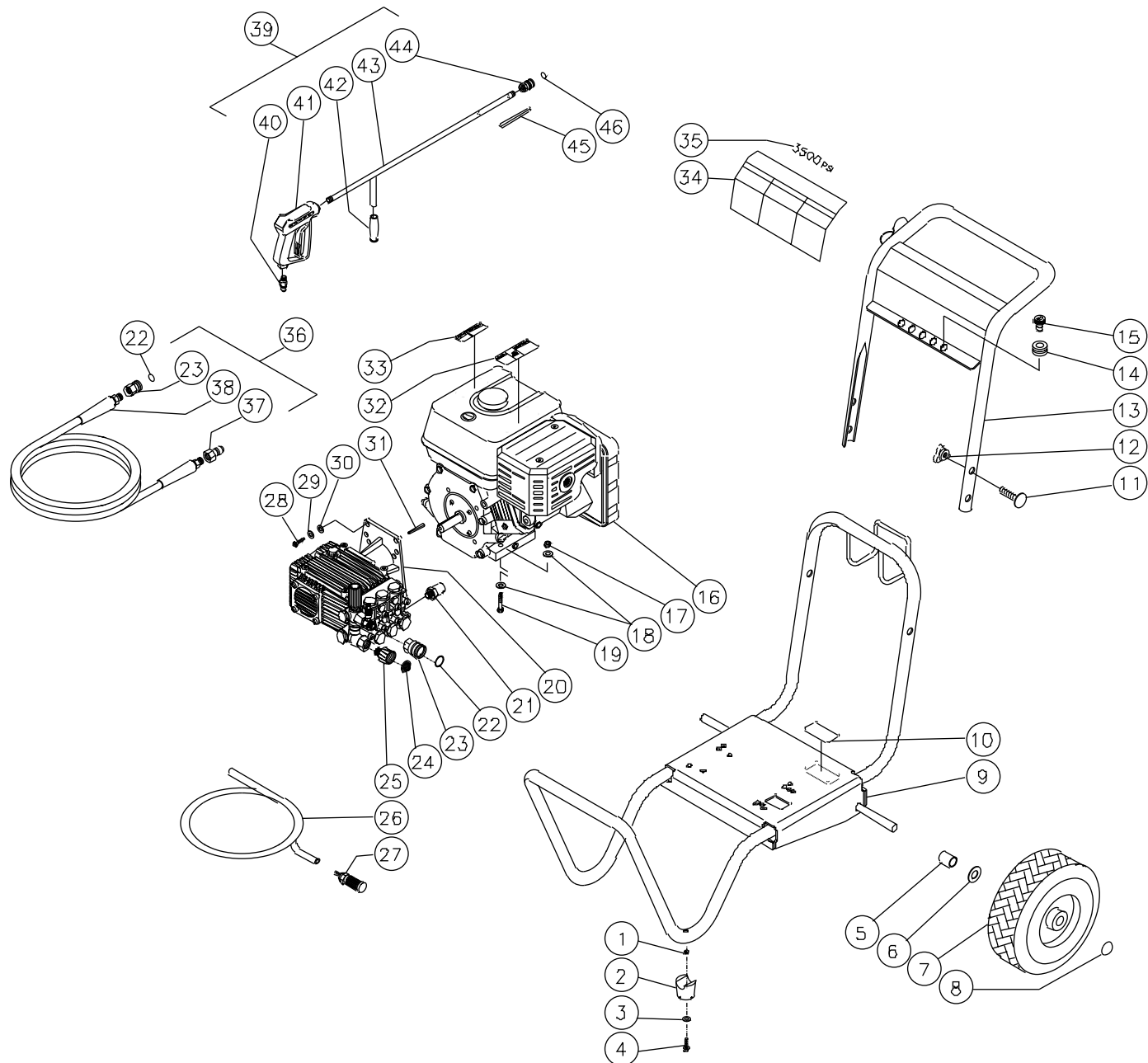
SERIAL BREAK EXPLANATION:

FRAME COLOR CHANGE, HOSE ASSEMBLY CHANGE FROM 851-0338 (15-0209) TO 851-0006 (15-0004).

PUMP CHANGE FROM 3-0188 TO 3-0267.

NOTES

FRAME ASSEMBLY FOR GP-3500-0MVC (BEFORE SERIAL #10126283)

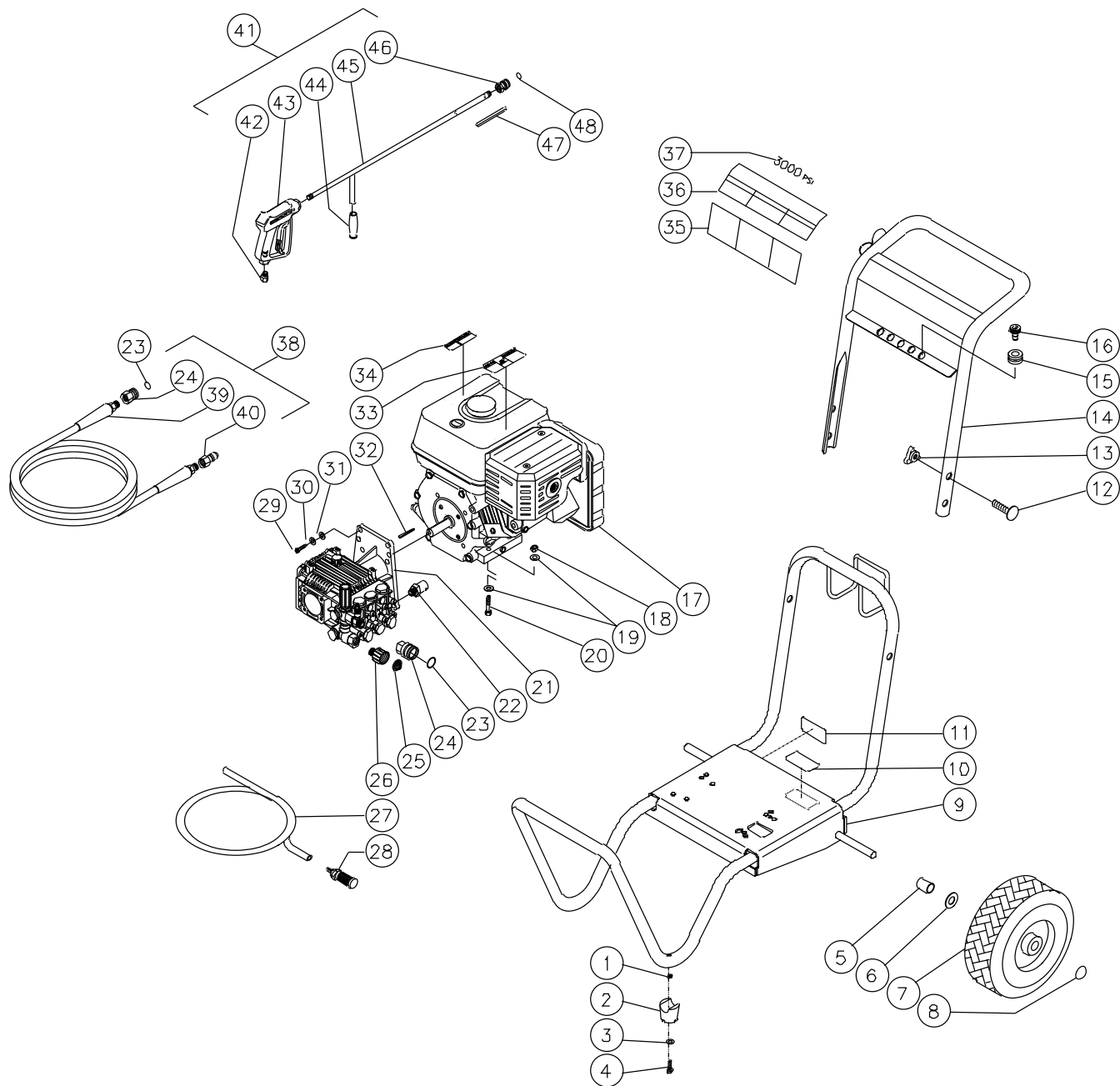


For parts Call 888-279-9274

GP-3500-0MVC-090503-RD

FRAME ASSEMBLY FOR GP-3500-0MVC (BEFORE SERIAL #10126283)								
REF. #	DESCRIPTION	PART #	QTY.		REF. #	DESCRIPTION	PART #	QTY.
1	Nut	30-0155	2		24	Filter	19-0001	1
2	Isolator	14-0066	2		25	Garden Hose Swivel	23-0095	1
3	Washer	28-0021	2		26	Detergent Hose *(Four Feet Required)	15-0021	1
4	Bolt	27-0019	2		27	Detergent Strainer	19-0050	1
5	Axle Spacer	20-0313A01	2		28	Bolt	27-0118	4
6	Washer	28-0008	5		29	Lockwasher	29-0008	4
7	Wheel	14-0080	2		30	Washer	28-0022	4
8	Hub Cap	33-0018	2		31	Key	43-0078	1
9	Frame Assembly	5-0149A01	1		32	Decal- Warning: Muffler Hot (See 34-9014)	N/A Sep.	1
10	Decal- Data Plate	N/A	1		33	Decal- Caution: Allow to Cool (See 34-9014)	N/A Sep.	1
11	Carriage Bolt	31-0051	2		34	Decal- Warning/Caution/Operation Instructions (See 34-9014)	N/A Sep.	1
12	Knob	7-0107	2		35	Decal- Die Cut 3500 PSI	34-0909	1
13	Handle Assembly	7-0159A01	1		36	Pressure Hose Assembly (Inc. 23, 37-38)	851-0338	1
14	Grommet	33-0001	5		37	Quick Connect Plug	17-0006	1
15	Nozzle- 1503.5	18-0258	1		38	Pressure Hose	15-0209	1
-	Nozzle- 2503.5	18-0259	1		39	Gun/Wand Assembly (Inc. 40-44)	851-0095	1
-	Nozzle- 6540	18-0148	1		40	Quick Connect Plug	17-0005	1
16	Engine- 13 H.P. Briggs & Stratton Vanguard	1-0090	1		41	Gun	16-0001	1
17	Nut	30-0159	4		42	Grip Handle	7-0002	1
18	Washer	28-0023	8		43	Wand	16-0120A01	1
19	Bolt	27-0120	4		44	Quick Connect Socket	17-0001	1
20	Pump	3-0188	1		45	Decal- Risk of Injection (See 34-9014)	N/A Sep.	1
21	Thermal Relief Valve	22-0005	1		46	O-ring (Replacement Only)	25-0122	-
22	O-ring (Replacement Only)	25-0123	-		Safety Decal Kit (Includes 32-34, 45)	34-9014		
23	Quick Connect Socket	17-0004	2	*Must Order in One Foot Lengths				

FRAME ASSEMBLY FOR GP-3500-0MVC (AFTER SERIAL #10126283)



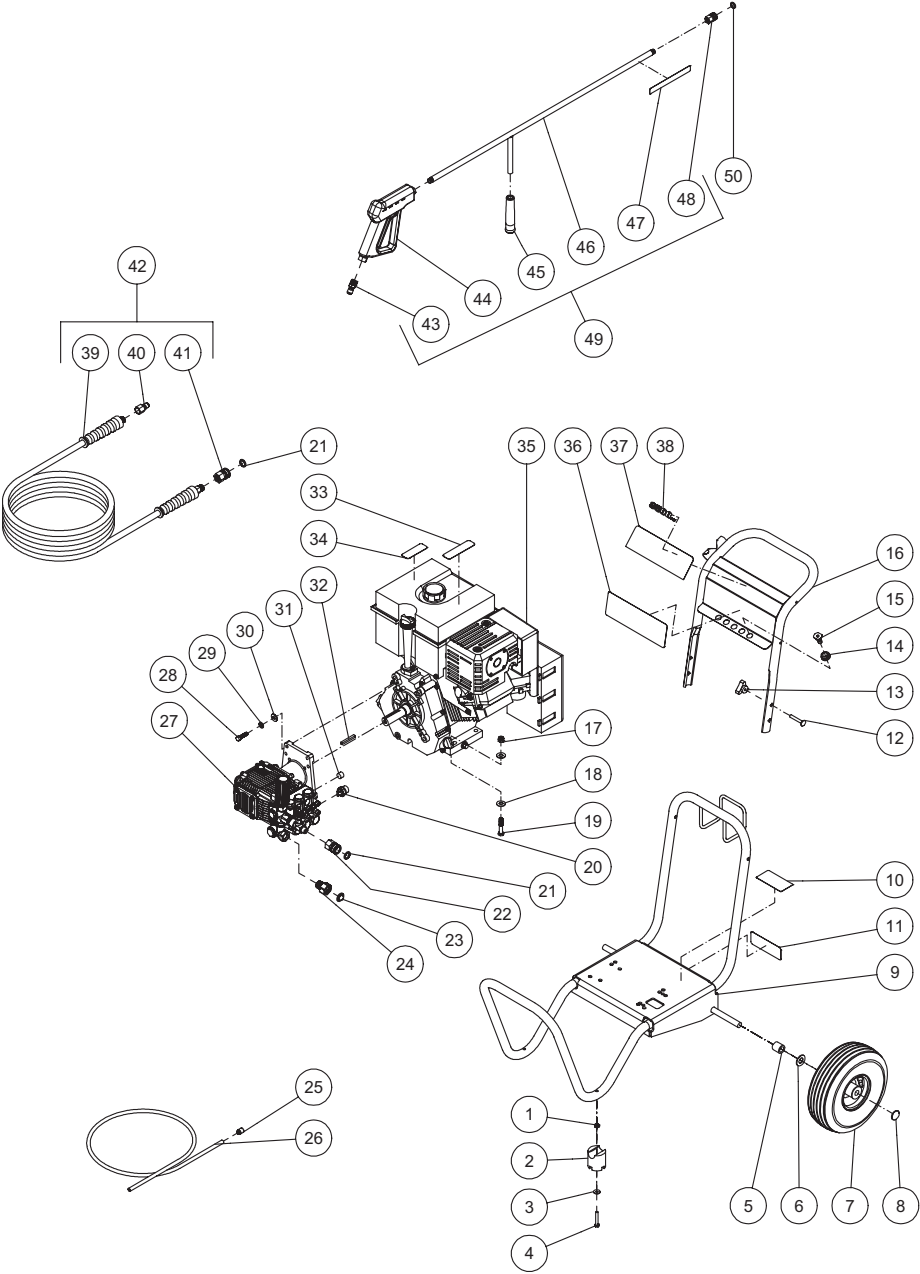
GP-3500-0MVC-120603-DLG

For parts Call 888-279-9274

GP-3500-0MVC-120603-DLG

FRAME ASSEMBLY FOR GP-3500-0MVC (AFTER SERIAL #10126283)							
REF. #	DESCRIPTION	PART #	QTY.		REF. #	DESCRIPTION	PART # QTY.
1	Nut	30-0155	2		25	Filter	19-0001 1
2	Isolator	14-0066	2		26	Garden Hose Swivel	23-0095 1
3	Washer	28-0021	2		27	Detergent Hose *(Four Feet Required)	15-0021 1
4	Bolt	27-0019	2		28	Detergent Strainer	19-0050 1
5	Axle Spacer	20-0313A01	2		29	Bolt	27-0118 4
6	Washer	28-0008	5		30	Lockwasher	29-0008 4
7	Wheel	14-0080	2		31	Washer	28-0022 4
8	Hub Cap	33-0018	2		32	Key	43-0078 1
9	Frame Assembly	5-0149A20	1		33	Decal- Warning: Muffler Hot (See 34-9005)	N/A Sep. 1
10	Decal- Data Plate	N/A	1		34	Decal- Caution: Allow to Cool (See 34-9005)	N/A Sep. 1
11	Decal- Grainger 800# (See 34-9005)	N/A Sep.	1		35	Decal- Warning/Caution/Operation Instructions (See 34-9005)	N/A Sep. 1
12	Carriage Bolt	31-0051	2		36	Decal- Placard	34-1442 1
13	Knob	7-0107	2		37	Decal- Die Cut 3500 PSI	34-0909 1
14	Handle Assembly	7-0159A20	1		38	Pressure Hose Assembly (Inc. 24, 39, 40)	851-0006 1
15	Grommet	33-0001	5		39	Quick Connect Plug	17-0006 1
16	Nozzle- 1503.5	18-0258	1		40	Pressure Hose	15-0004 1
-	Nozzle- 2503.5	18-0259	1		41	Gun/Wand Assembly (Inc. 42-46)	851-0095 1
-	Nozzle- 6540	18-0148	1		42	Quick Connect Plug	17-0005 1
17	Engine- 13 H.P. Briggs & Stratton Vanguard	1-0090	1		43	Gun	16-0001 1
18	Nut	30-0159	4		44	Grip Handle	7-0002 1
19	Washer	28-0023	8		45	Wand	16-0120A01 1
20	Bolt	27-0120	4		46	Quick Connect Socket	17-0001 1
21	Pump	3-0188	1		47	Decal- Risk of Injection (See 34-9005)	N/A Sep. 1
22	Thermal Relief Valve	22-0005	1		48	O-ring (Replacement Only)	25-0122 -
23	O-ring (Replacement Only)	25-0123	-			Safety Decal Kit (Includes 11, 33-35, 47)	34-9005
24	Quick Connect Socket	17-0004	2		*Must Order in One Foot Lengths		

FRAME ASSEMBLY FOR GP-3500-0MVC (AFTER SERIAL #10176595)



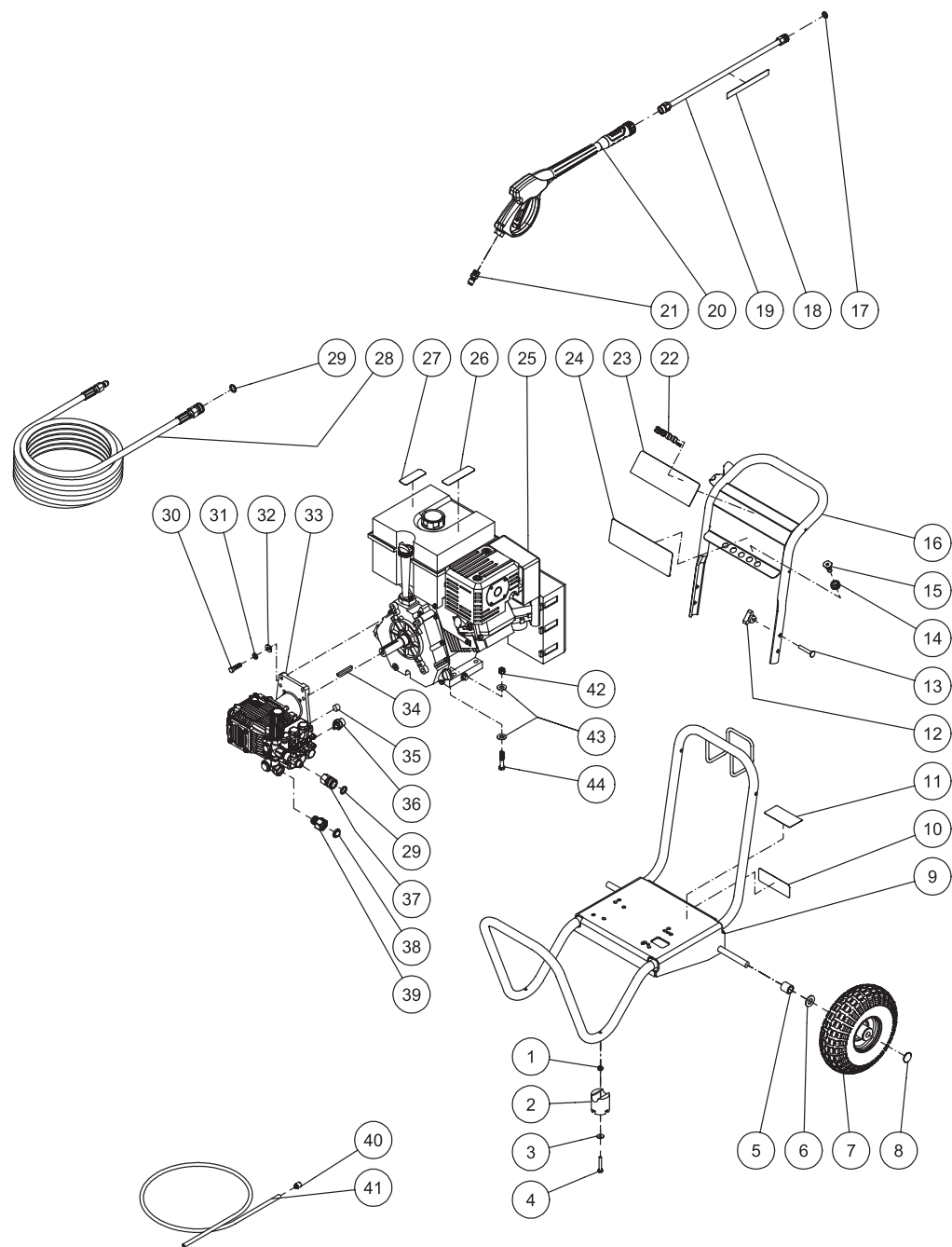
GP-3500-0MVC-092106-JJT

For parts Call 888-279-9274

GP-3500-0MVC-092106-JJT

FRAME ASSEMBLY FOR GP-3500-0MVC (AFTER SERIAL #10176595)							
REF. #	DESCRIPTION	PART #	QTY.		REF. #	DESCRIPTION	PART # QTY.
1	Nut	30-0155	2		25	Quick Connect Socket	17-0004 2
2	Isolator	14-0066	2		26	Filter	19-0001 1
3	Washer	28-0021	2		27	Garden Hose Swivel	23-0095 1
4	Bolt	27-0019	2		28	Detergent Hose *(Four Feet Required)	15-0021 1
5	Axle Spacer	62-0188	2		29	Detergent Strainer	19-0050 1
6	Washer	28-0008	5		30	Bolt	27-0118 4
7	Wheel	14-0017	2		31	Lockwasher	29-0008 4
8	Hub Cap	33-0018	2		32	Washer	28-0022 4
9	Frame Assembly	5-0149A20	1		33	Key	43-0078 1
10	Decal- Data Plate	N/A	1		34	Decal- Warning: Muffler Hot (See 34-9005)	N/A Sep. 1
11	Decal- Grainger 800# (See 34-9005)	N/A Sep.	1		35	Decal- Caution: Allow to Cool (See 34-9005)	N/A Sep. 1
12	Carriage Bolt	31-0051	2		36	Decal- Warning/Caution/Operation Instructions (See 34-9005)	N/A Sep. 1
13	Knob	7-0107	2		37	Decal- Placard	34-1442 1
14	Handle Assembly	7-0159A20	1		38	Decal- Die Cut 3500 PSI	34-0909 1
15	Grommet	33-0001	5		39	Pressure Hose Assembly (Inc. 24, 40-41)	851-0006 1
16	Nozzle- 1503.5	18-0258	1		40	Quick Connect Plug	17-0006 1
-	Nozzle- 2503.5	18-0259	1		41	Pressure Hose	15-0004 1
-	Nozzle- 6540	18-0148	1		42	Gun/Wand Assembly (Inc. 43-47)	851-0095 1
17	Engine- 13 H.P. Briggs & Stratton Vanguard	1-0090	1		43	Quick Connect Plug	17-0005 1
18	Nut	30-0159	4		44	Gun	16-0001 1
19	Washer	28-0023	8		45	Grip Handle	7-0002 1
20	Bolt	27-0121	4		46	Wand	16-0418 1
21	Pump	3-0267	1		47	Quick Connect Socket	17-0001 1
22	Plug	23-0244	1		48	Decal- Risk of Injection (See 34-9005)	N/A Sep. 1
23	Thermal Relief Valve	22-0005	1		49	O-ring (Replacement Only)	25-0122 -
24	O-ring (Replacement Only)	25-0123	-			Safety Decal Kit (Includes 11, 34-36, 48)	34-9005
*Must Order in One Foot Lengths							

FRAME ASSEMBLY FOR GP-3500-0MVC (AFTER SERIAL #10176595)



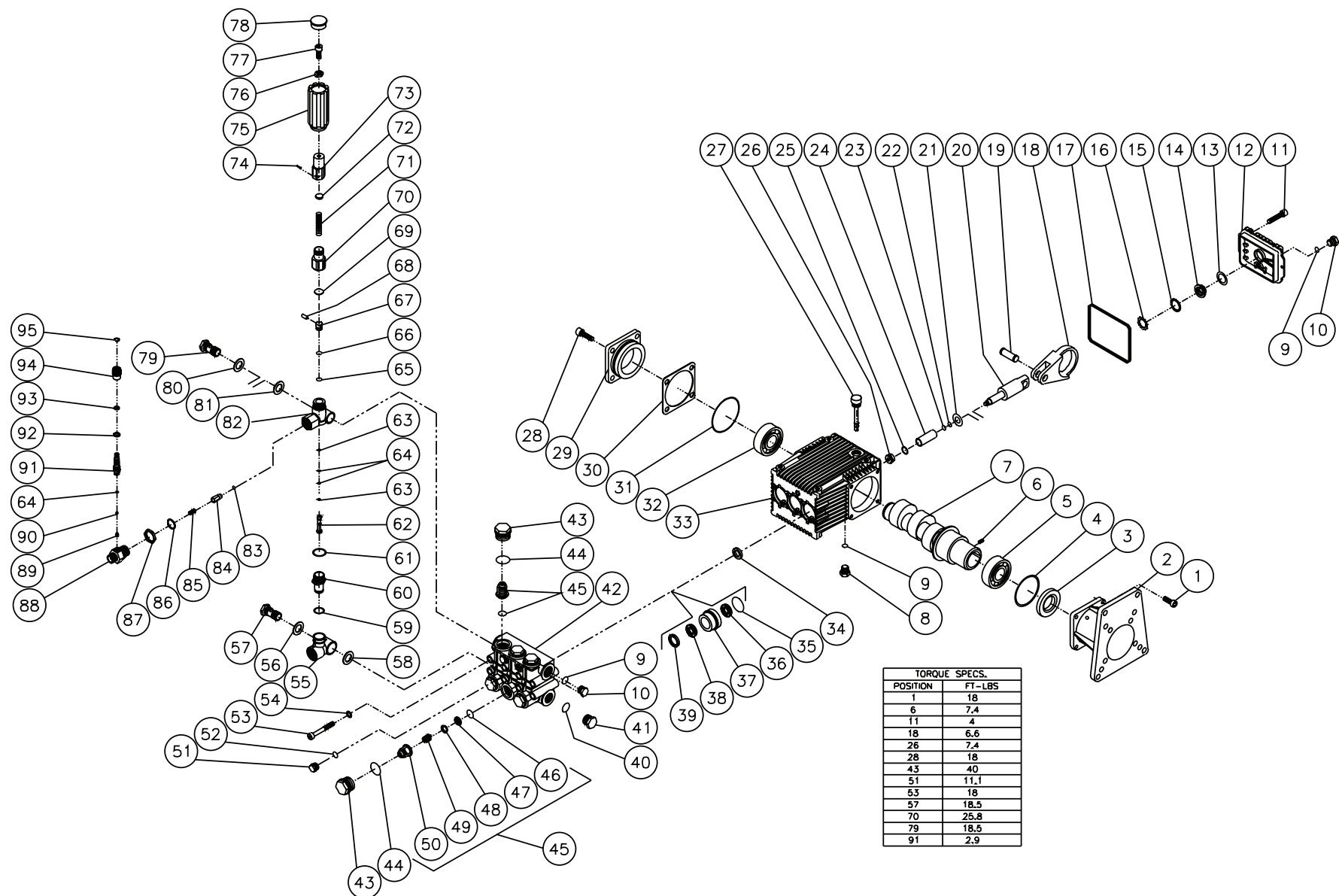
GP-3500-0MVC-071807-RSW

For parts Call 888-279-9274

GP-3500-0MVC-071807-RSW

FRAME ASSEMBLY FOR GP-3500-0MVC (AFTER SERIAL #10176595)							
REF. #	DESCRIPTION	PART #	QTY.	REF. #	DESCRIPTION	PART #	QTY.
1	Nut	30-0155	2	23	Decal- Placard	34-1442	1
2	Isolator	14-0066	2	24	Decal- Warning/Caution/Operation Instructions (See 34-9005)	N/A Sep.	1
3	Washer	28-0021	2	25	Engine- 13 H.P. Briggs & Stratton Vanguard	1-0090	1
4	Bolt	27-0019	2	26	Decal- Caution: Allow to Cool (See 34-9005)	N/A Sep.	1
5	Axle Spacer	62-0188	2	27	Decal- Warning: Muffler Hot (See 34-9005)	N/A Sep.	1
6	Washer	28-0008	5	28	Pressure Hose	15-0270	1
7	Wheel	14-0113	2	29	O-ring (Replacement Only)	25-0123	-
8	Hub Cap	33-0018	2	30	Bolt	27-0118	4
9	Frame Assembly	5-0149A20	1	31	Lockwasher	29-0008	4
10	Decal- Grainger 800# (See 34-9005)	N/A Sep.	1	32	Washer	28-0022	4
11	Decal- Data Plate	N/A	1	33	Pump	3-0267	1
12	Knob	7-0107	2	34	Key	43-0078	1
13	Carriage Bolt	31-0051	2	35	Plug	23-0244	1
14	Grommet	33-0001	5	36	Thermal Relief Valve	22-0005	1
15	Nozzle- 1503.5	18-0258	1	37	Quick Connect Socket	17-0004	2
-	Nozzle- 2503.5	18-0259	1	38	Filter	19-0001	1
-	Nozzle- 6540	18-0148	1	39	Garden Hose Swivel	23-0095	1
16	Handle Assembly	7-0159A20	1	40	Detergent Strainer	19-0050	1
17	O-ring (Replacement Only)	25-0122	-	41	Detergent Hose *(Four Feet Required)	15-0021	1
18	Decal- Risk of Injection (See 34-9005)	N/A Sep.	1	42	Nut	30-0159	4
19	Lance	16-0366	1	43	Washer	28-0023	8
20	Gun & Wand	16-0441	1	44	Bolt	27-0121	4
21	Quick Connect Plug	17-0005	1		Safety Decal Kit (Includes 11, 34-36, 48)	34-9005	
22	Decal- Die Cut 3500 PSI	34-0909	1				
*Must Order in One Foot Lengths							

PUMP ASSEMBLY (3-0188)



3-0188-030503-RD

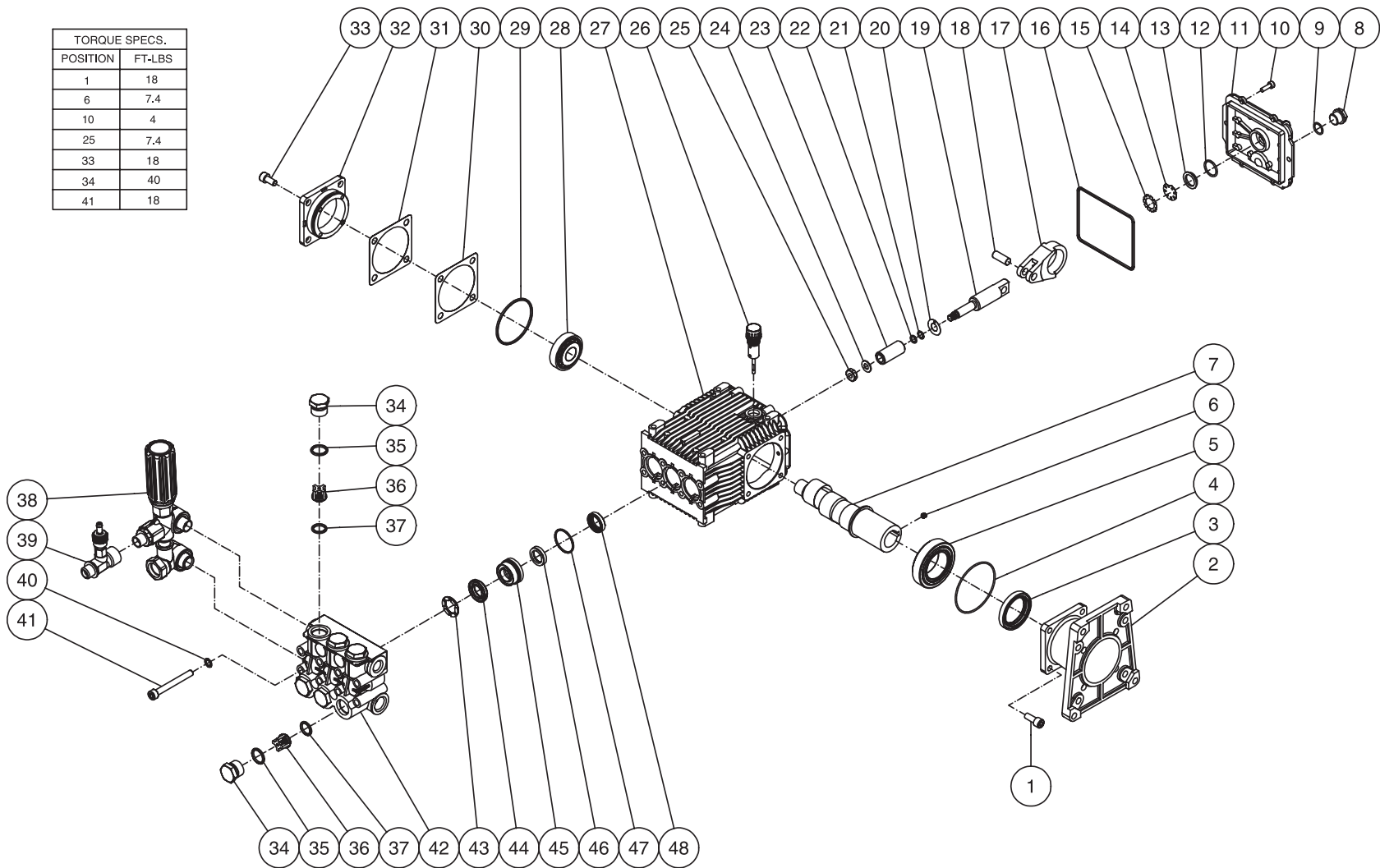
For parts Call 888-279-9274

3-0188-030503-RD

				PUMP ASSEMBLY (3-0188)							
REF. #	DESCRIPTION	PART #	QTY.	REF. #	DESCRIPTION	PART #	QTY.	REF. #	DESCRIPTION	PART #	QTY.
1	Bolt	27-8432	4	33	Crankshaft	46-0811	1	69	Spring Button	8-0445	1
2	Flange	46-0714	1	34	Oil Seal	46-0931	3	70	Guide Spring	8-0474	1
3	Oil Seal	26-0194	1	35	O-ring	25-0384	3	71	Spring	49-0132	1
4	O-Ring	25-0397	1	36	Low Pressure Seal (See 70-0177)	N/A Sep.	3	72	Spring Button	8-0475	1
5	Roller Bearing	48-0062	1	37	Packing Retainer	46-0708	3	73	Adjustment	8-0476	1
6	Set Screw	27-8886	1	38	V-Packing (See 70-0177)	N/A Sep.	3	74	Pin	8-0477	1
7	Crankshaft	46-0959	1	39	Support Ring (See 70-0178)	N/A Sep.	3	75	Unloader Knob	7-0141	1
-	Crankshaft (Before Serial #409521)	46-0734	1	40	O-ring	25-0372	1	76	Nut	30-3025	1
8	Plug	39-0102	1	41	Plug	39-0088	1	77	Bolt	27-8433	1
9	O-ring	25-0325	3	42	Manifold	46-0711	1	78	Cap	7-0142	1
10	Plug	39-0086	2	43	Valve Cap	39-0095	6	79	Adapter	8-0448	1
11	Bolt	27-8885	6	44	O-ring	25-0160	6	80	Washer	8-0449	1
12	Crankshaft Cover	46-0719	1	45	Single Valve Assembly (Inc. 46-50) (See 70-0179)	N/A Sep.	6	81	Washer	8-0450	1
13	O-ring	25-0370	1	46	O-ring	25-0386	6	82	Unloader Body	8-0451	1
14	Oil Sight Glass	46-0670	1	47	Valve Seat (See 70-0179)	N/A Sep.	6	83	O-ring	25-0437	1
15	Reflector	46-0824	1	48	Valve Plate (See 70-0179)	N/A Sep.	6	84	Check Valve	8-0454	1
16	Retainer	46-0671	1	49	Valve Spring (See 70-0179)	N/A Sep.	6	85	Spring	49-0123	1
17	O-ring	25-0398	1	50	Valve Cage (See 70-0179)	N/A Sep.	6	86	O-ring	25-0372	1
18	Connecting Rod	46-0922	3	51	Plug	39-0096	2	87	Nut	8-0497	1
-	Connecting Rod (Before Serial #409521)	46-0697	3	52	O-ring	25-0387	2	88	Injector Adapter	8-0498	1
19	Piston Pin	46-0698	3	53	Head Bolt	27-8440	8	89	Detergent Injector Spring (See 70-0196)	N/A Sep.	1
20	Plunger Rod	46-0699	3	54	Lockwasher	29-0154	8	90	Ball (See 70-0196)	N/A Sep.	1
21	Washer	46-0700	3	55	Inlet Bypass Adapter	8-0437	1	91	Barb	8-0499	1
22	Back-up Ring	25-0404	3	56	Washer	8-0440	1	92	O-ring (See 70-0196)	N/A Sep.	1
23	O-ring	25-0382	3	57	Adapter	8-0438	1	93	O-ring (See 70-0196)	N/A Sep.	1
24	Piston	46-0701	3	58	Washer	8-0439	1	94	Adjustable Detergent Knob	7-0152	1
25	Washer	26-0191	3	59	O-ring (See 70-0180)	N/A Sep.	1	95	Snap Ring (See 70-0196)	N/A Sep.	1
26	Nut	30-6020	3	60	Nipple	8-0441	1		High Pressure Seals (Includes 3 each 35, 36, 38)	70-0177	
27	Oil Dipstick	39-0090	1	61	O-ring (See 70-0180)	N/A Sep.	1		Support Rings (Includes 3 each 39)	70-0178	
28	Bolt	27-8884	4	62	Piston	8-0442	1		Valves (Includes 6 each 46-50)	70-0179	
29	Bearing Cap	46-0703	1	63	Back-up Ring (See 70-0180)	N/A Sep.	2		Unloader (Includes 55-85)	8-0456	
30	Shim 0.1mm (Qty. Varies 1-3)	46-0704	-	64	O-ring	25-0371	3		Unloader Repair (Includes 59, 61, 63-66, 83)	70-0180	
-	Shim 0.2mm (Qty. Varies 1-3)	46-0705	-	65	O-ring (See 70-0180)	N/A Sep.	1		Injector (Includes 64, 86-95)	70-0196	
31	O-ring	25-0380	1	66	Back-up Ring (See 70-0180)	N/A Sep.	1		Oil Seal Kit (Inc. 3, 4, 17, 31, 34)	70-0337	
32	Bearing	48-0072	1	67	Poppet	8-0443	1		Piston Kit (Inc. 3 each 21-26)	70-0352	
-	Bearing (Before Serial #409521)	48-0061	1	68	Pin	8-0444	1				

PUMP ASSEMBLY (3-0267)

TORQUE SPECS.	
POSITION	FT.-LBS
1	18
6	7.4
10	4
25	7.4
33	18
34	40
41	18



3-0267-032405-JJF

For parts Call 888-279-9274

3-0267-032405-JJF

PUMP ASSEMBLY (3-0267)											
REF. #	DESCRIPTION	PART #	QTY.	REF. #	DESCRIPTION	PART #	QTY.	REF. #	DESCRIPTION	PART #	QTY.
1	Screw	27-8432	4	19	Plunger Rod	46-0699	3	37	O-ring	25-0386	6
2	Pump Flange	46-0714	1	20	Washer	46-0700	3	38	Unloader	8-0533	1
3	Oil Seal	26-0194	1	21	Back Ring	25-0404	3	39	Detergent Injector	70-0417	1
4	O-ring	25-0397	1	22	O-ring	25-0382	3	40	Lockwasher	29-0154	8
5	Bearing	48-0062	1	23	Piston	46-0701	3	41	Screw	27-8440	8
6	Bolt	27-8886	1	24	Washer / Gasket	26-0191	3	42	Manifold	46-1186	1
7	Crankshaft	46-0959	1	25	Nut	30-6020	3	43	Support Ring (See 70-0178)	N/A Sep.	3
8	Plug	39-0086	1	26	Oil Dipstick	39-0090	1	44	V-Packing (See 70-0177)	N/A Sep.	3
9	O-ring	25-0325	2	27	Pump Crankcase	46-1198	1	45	Packing Retainer	46-0708	3
10	Screw	27-8885	6	28	Bearing	48-0072	1	46	Low Pressure Seal (See 70-0177)	N/A Sep.	3
11	Pump	46-0719	1	29	O-ring	25-0380	1	47	O-ring	25-0384	3
12	O-ring	25-0370	1	30	Shim - 0.2mm (Qty. vaires 1-3)	46-0705	1	48	Oil Seal	46-0931	3
13	Oil Sight Glass	46-0670	1	31	Shim - 0.1mm (Qty. vaires 1-3)	46-0704	1		Oil Seals Kit (Inc. 3-4, 16, 29, 48)	70-0337	
14	Oil Reflector	46-0824	1	32	Bearing Cap	46-0703	1		Piston Kit (Inc. 3 each 20-25)	70-0352	
15	Spring Retainer	46-0671	1	33	Bolt	27-8884	4		High Pressure Seals Kit (Inc. 3 each 44, 46-47)	70-0177	
16	O-ring	25-0398	1	34	Valve Cap	39-0095	6		Support Ring Kit (Inc. 3 each 43)	70-0178	
17	Connecting Rod	46-0922	3	35	O-ring	25-0160	6		Valve Kit (Inc. 6 each 36-37)	70-0179	
18	Piston Pin	46-0698	3	36	Complete Valve Assembly (See 70-0179)	N/A Sep.	6				

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For parts Call 888-279-9274

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