

Mi-T-M® CORPORATION

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PARTS LIST FOR **HSP-3004-3MGH/3MGV** **(AFTER SERIAL #27872)**

ENGINE OIL GRADE:

HONDA:

SAE10W-30

VANGUARD:

ABOVE 40°F=SAE30

BELOW 40°F=SAE10W-30

ENGINE OIL CAPACITY:

HONDA:

37 oz.

VANGUARD:

51 oz.

PUMP OIL GRADE:

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

PUMP OIL CAPACITY:

15 oz.

BTU INPUT:

294,000/hour

PRESSURE NOZZLE SIZE:

4.0

This Parts Listing has been compiled for your benefit. You can be assured your hot water pressure washer was constructed and designed with quality and performance in mind. Each component has been rigorously tested to insure the highest level of quality.

The contents of this Parts Listing are based on the latest product information available at the time of publication. The manufacturer 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, HOT 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 manufacturer 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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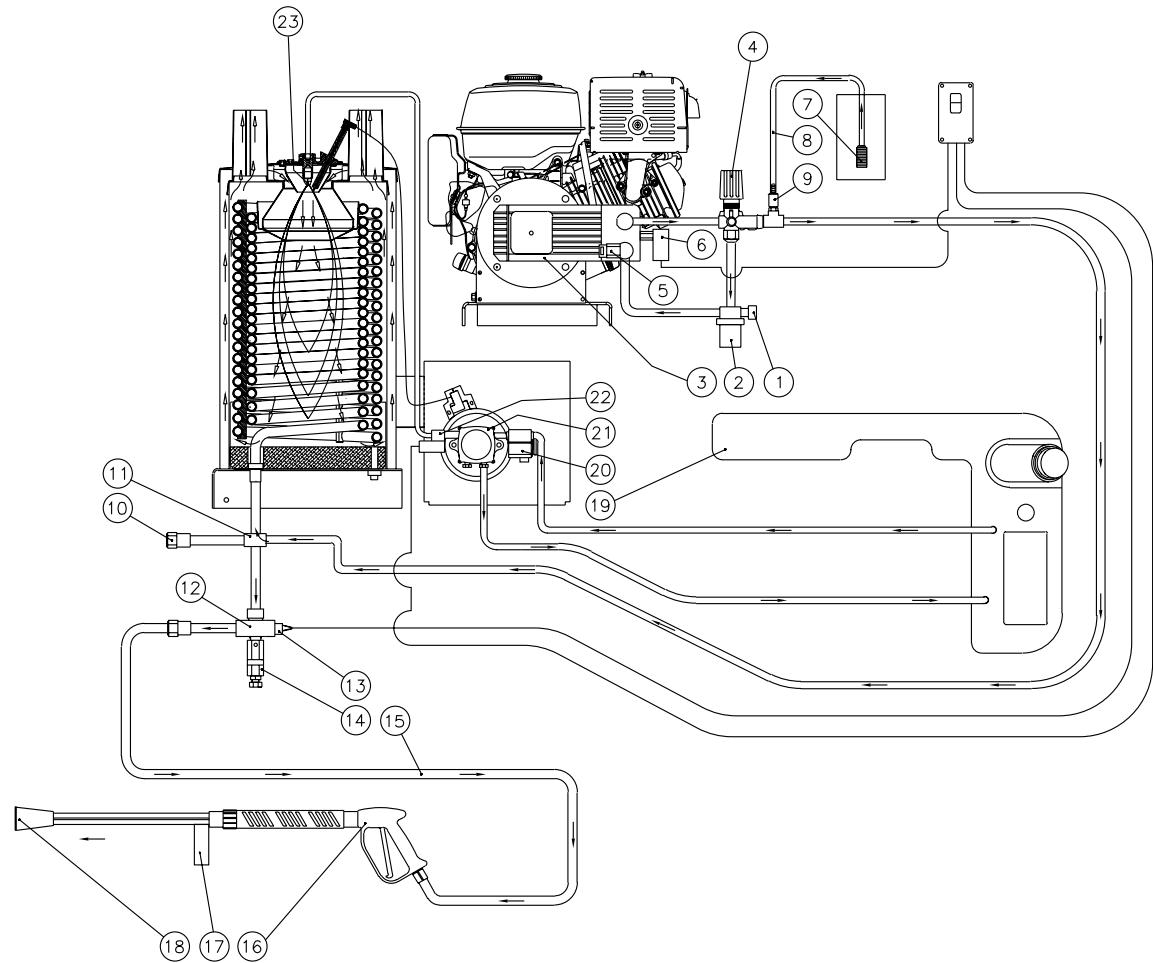
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SPECIFICATIONS

HSP-3004-3MGH/GV

MODEL NUMBER	HSP-3004-3MGH	HSP-3004-3MGV
Operating Pressure (PSI/Bar):	3000/207 (+/- 5%)	
Water Volume (GPM/lpm):	3.5/13.3 (+/- 5%)	
Outlet Water Temperature (F/C):	140 F/ 78 C (+/- 20 F) rise above inlet ambient (210 F/ 99 C maximum)	
Engine:	Honda	Briggs & Stratton Vanguard
Horsepower	11	11
Engine Type	Four Stroke, Overhead Valve, Single Cylinder	
Oil Type	SAE10W-30	Above 40 F=SAE30/ Below 40 F=SAE 10W-30
Oil Capacity (oz./liter)	37/1.1	51/1.5
Low Oil Protection	Oil Alert™	Oil Guard™
Fuel Type	Unleaded Gasoline 86 Octane Minimum	
Fuel Capacity (gal./liter)	1.72/6.5	1.8/6.8
Starting	Recoil Rope	
Maximum No Load RPM	3600 (+/- 100)	
High Pressure Pump:	Direct Driven, Oil Bath, Triplex Piston	
Oil Type	Mi-T-M Pump Oil #AW-4085-0016	
Oil Capacity (oz./liters)	15/44	
Plungers	Ceramic	
Manifold	Forged Brass	
Valves	Stainless Steel	
Unloader	Preset	
Inlet Water Strainer	Removable Clear Bowl for inspection and cleaning of Stainless Steel Screen	
Heat Dump Valve	Relieves heated water during unloader bypass stage	
Detergent Injector:	Adjustable Low Pressure downstream from pump	
Burner Fuel System:		
Fuel Type	No.1 or No.2 Fuel Oil, Diesel or Kerosene	
Fuel Capacity (gal./liters)	5.5/21	
Fuel Filter/ Water Separator	Spin on (10 micron) filter/ E-Z water drain	
Fuel Pump	Two Line, Single Stage	
Fuel Pressure (PSI/ BAR)	145/10	
Fuel Nozzle	1.75 60 B Delavan	
Fuel Consumption (GPH/ LPH)	2.1 GPH Continous Burning	
Electro Magnetic Firing (EMF) System:	Belt Driven (Patent Pending)	
Ignition	Transistorized Magneto	
Control Voltage	12 Volt DC	
Blower	Forced Air	
Heat Exchanger:	Vertical, Top fired, Dual Spiral Coil	
BTU Input	294,000	
Efficiency	86% with #2 Fuel Oil/ Diesel	
Smoke Density	0-3 per ASTM D2156	
Controls:		
On/ Off Switch	Industrial grade rocker switch	
Pressure Switch	Shuts off burner fuel supply upon trigger release	
High Limit Switch	Shuts off burner fuel supply when outlet water temp. exceeds 210 F/ 99 C	
Fuel Solenoid:	12 Volt	
Safety Relief:	Relieves excess system pressure	
Unit Net Weight (Lbs/kg):	428/194	430/195
Unit Shipping Weight (Lbs/kg):	551/250	553/251
Unit Net Dimension (In/cm):	43Lx30Wx41H/109 x76Wx104H	
Unit Shipping Dimension (In/cm):	46.5Lx31.5Wx48.5H/118Lx80Wx123H	

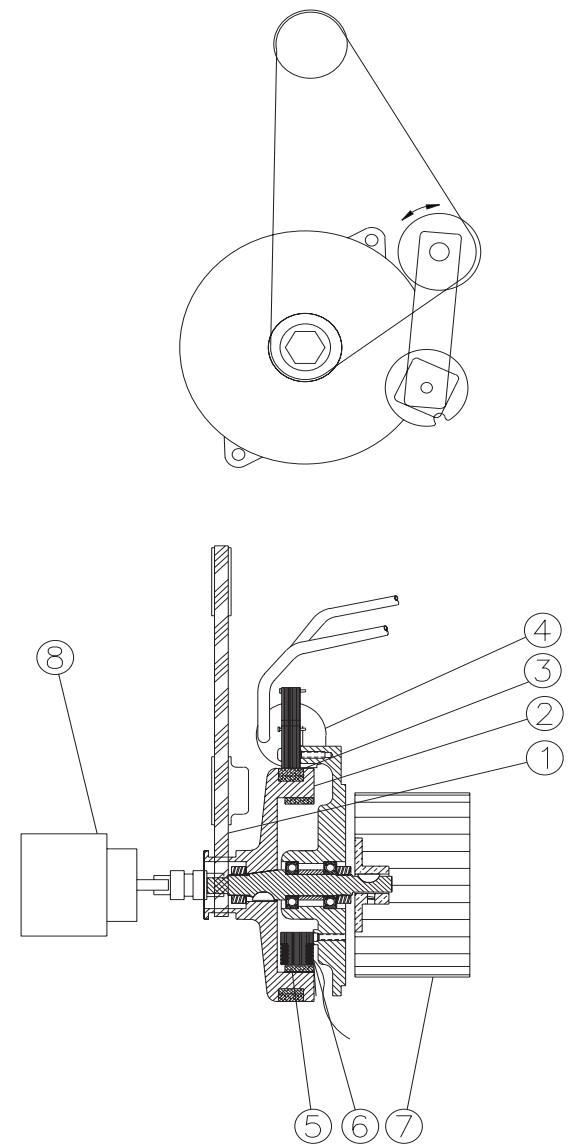
FLOW CHART



OMHSP090-120598-BAR

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EMF SYSTEM



OMHSP046-072996-BAR

EX-9125-062100

GENERAL THEORY OF OPERATION

WATER FLOW: Connect a pressurized water source to the INLET GARDEN HOSE CONNECTION (1) and turn on the water supply. The water will flow through a WATER STRAINER (2) which has a clear inspection bowl.

The water then travels into the TRIPLEX HIGH PRESSURE PUMP (3) which has an UNLOADER (4) that bypasses the water when the trigger gun is closed. To protect the pump from heated water during this bypass stage, a HEAT DUMP VALVE (5) will open at 140°F/60°C allowing the heated water to escape. The Heat Dump Valve automatically resets when the water cools. The PRESSURE Switch (6) controls the fuel supply to the burner.

When using detergents, the solution passes through the DETERGENT STRAINER (7) located on the DETERGENT HOSE (8). The detergent solution then travels into the ADJUSTABLE LOW PRESSURE DETERGENT INJECTOR (9).

From there, the water may be allowed to flow out of the DRAIN PLUG (10) or through the HEAT EXCHANGER INLET (11) where it is heated when the burner is on. As the water exits the HEAT EXCHANGER OUTLET (12), it enters a safety system which protects the operator from danger. The safety system contains a HIGH TEMPERATURE LIMIT SWITCH (13) which senses the water temperature and shuts off the fuel supply to the burner if it gets too hot. If the unloader fails to bypass the water or the burner remains on when the trigger gun is closed, the SAFETY RELIEF (14) will relieve and allow water to exit safely.

The heated water then flows through the HIGH PRESSURE HOSE (15) and to the TRIGGER GUN ASSEMBLY (16) which allows the operator to control the water spray. When the trigger gun is open, the water flows through the ADJUSTABLE PRESSURE DUAL LANCE (17) and exits the NOZZLE (18).

FUEL FLOW: The Fuel Pump draws fuel from the FUEL TANK (19) through a replaceable FUEL FILTER/WATER SEPARATOR (20) and into the FUEL PUMP (21). Fuel exits the fuel pump, into a FUEL SOLENOID VALVE (22) which controls fuel flow to the FUEL NOZZLE (23) where it ignites and burns in the heat exchanger.

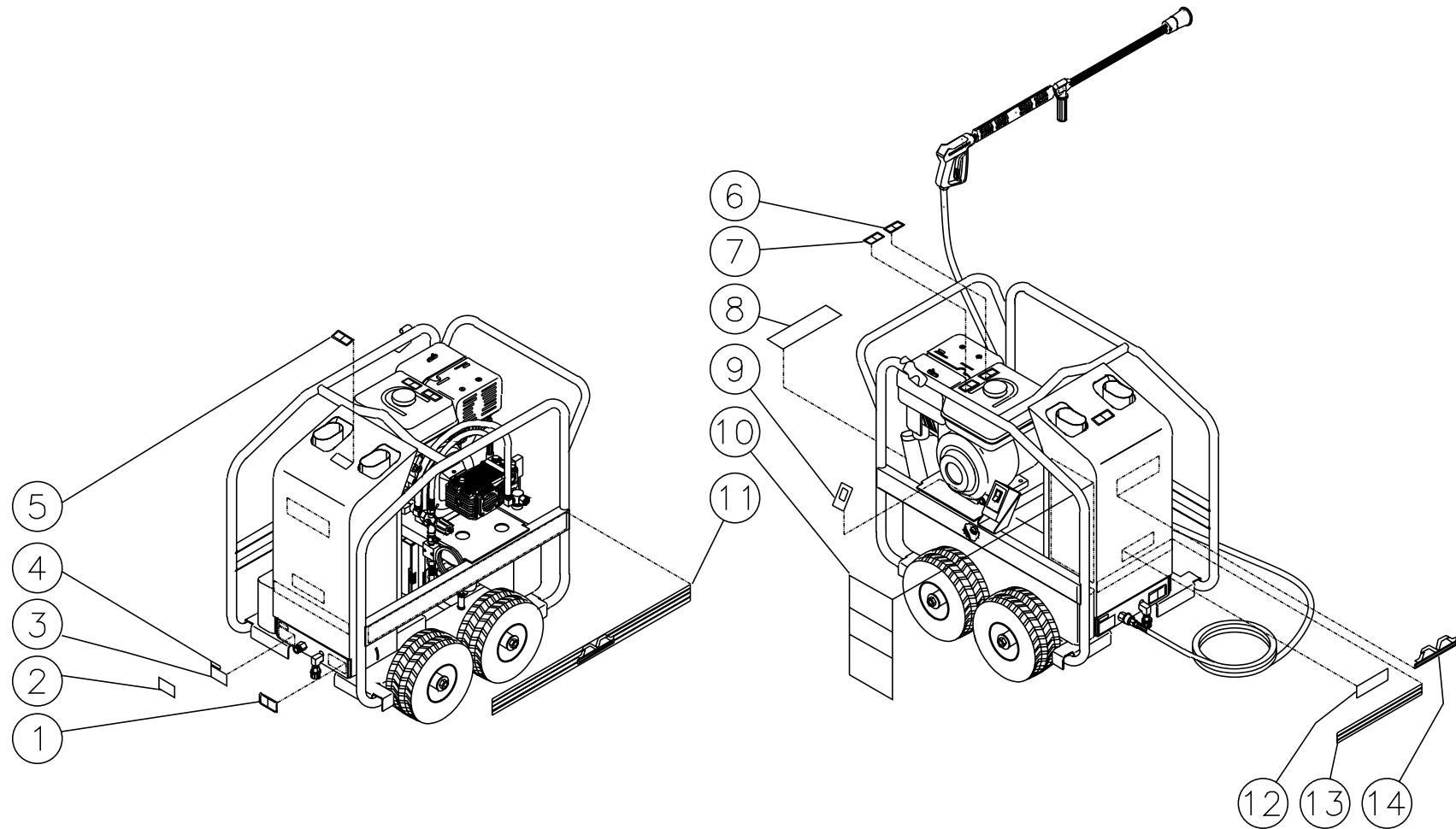
EMF SYSTEM: The patent pending Electro Magnetic Firing (EMF) System is an integrated system which gives all the requirements for combustion.

The BELT (1) from the power source turns the HUB (2) which has two EXTERIOR MAGNETS (3) attached. As these magnets spin past the IGNITION MODULE (4), a magnetic flux is created from which the ignition module produces a high voltage. This voltage arcs across the electrodes giving the spark that is needed for ignition.

This hub has an INTERNAL MOUNTED MAGNET (5) which spins past a STATOR (6) that produces the voltage that controls the fuel supply to the heat exchanger. In addition to this, the hub also spins the BLOWER FAN (7) that forces the air into and through the heat exchanger.

The FUEL PUMP (8) is also connected to the hub by means of a flexible coupler.

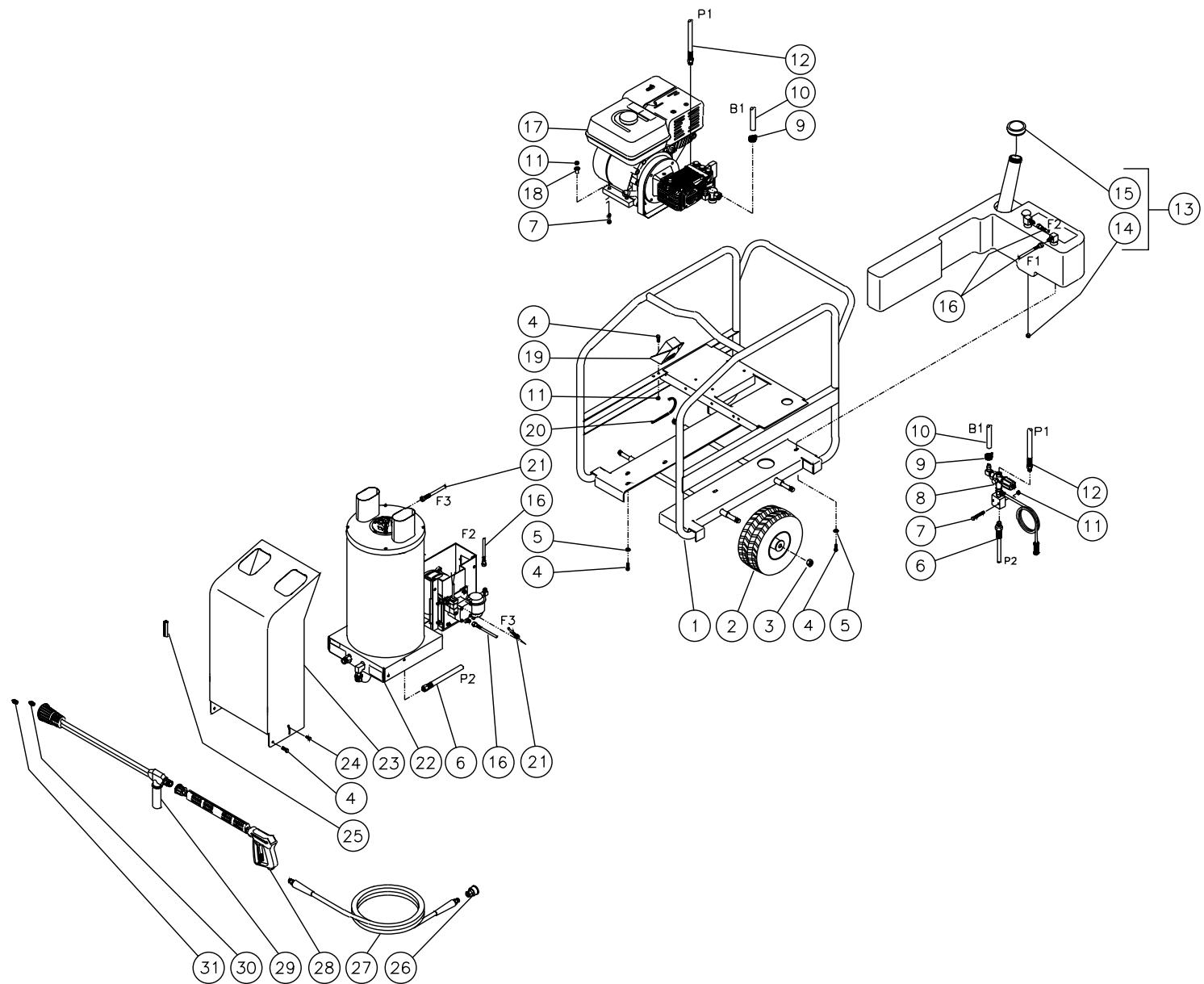
DECAL PLACEMENT



HSP-3004-3MGH-GV-022599-BAR

DECAL PLACEMENT			
REF. #	DESCRIPTION	PART #	QTY.
1	Decal- Warning: Don't Modify Plumbing (E/S) (See 34-9001)	N/A Sep.	1
2	Decal- Clear Laminate	N/A	1
3	Decal- Data Plate	N/A	1
4	Serial Number	N/A	1
5	Decal- Warning: Hot Coil Exhaust (E/S) (See 34-9001)	N/A Sep.	1
6	Decal- Allow to Cool (E/S) (See 34-9001)	N/A Sep.	1
7	Decal- Hot Surface (E/S) (See 34-9001)	N/A Sep.	1
8	Decal- Risk of Fire (E/S) (See 34-9001)	N/A Sep.	1
9	Decal- Burner On/Off (E/S) (See 34-9001)	N/A Sep.	1
10	Decal- Warning/ Caution/ Operation (E/S) (See 34-9001)	N/A Sep.	1
11	Decal- Stripe Logo	34-0725	2
12	Decal-White Die Cut	34-0105	1
13	Decal-Stripe Logo	34-0560	1
14	Logo: Mi-T-M	62-0093	1
	Safety Decal Kit (Includes 1, 5-10)	34-9001	

FRAME

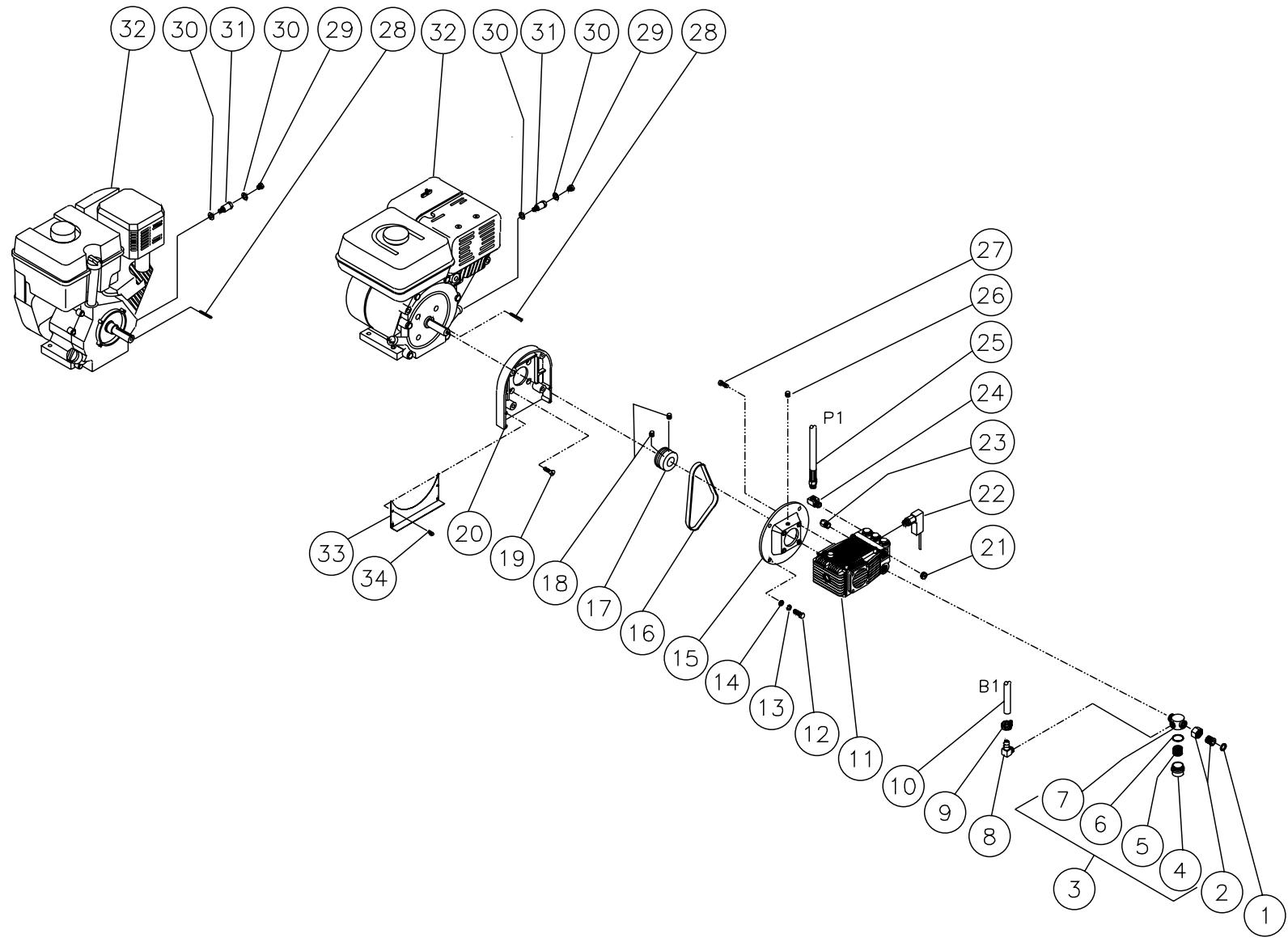


HSP099-0222599-BAR

FRAME

REF. #	DESCRIPTION	PART #	QTY.	REF. #	DESCRIPTION	PART #	QTY.	
1	Frame Assembly	5-0120A01	1	17	Engine/Pump Assembly (See Exploded Drawing)	N/A Sep.	1	
2	Wheel	14-0006	4	18	Shim	33-0169	4	
3	Jam Nut	30-0117	4	19	Bracket/Electric Box Assembly (See Exploded Drawing)	N/A Sep.	1	
4	Bolt	27-9524	12	20	Wire Tie	33-0022	4	
5	Flatwasher	28-0022	8	21	Fuel Hose Assembly	15-0165	1	
6	High Pressure Hose Assembly	15-0202	1	22	Heat Exchanger/EMF Assembly (See Exploded Drawing)	N/A Sep.	1	
7	Bolt	27-9529	6	23	Hood Assembly	850-0194	1	
8	Unloader/ Manifold Assembly (See Exploded Drawing)	N/A Sep.	1	24	Hand Knob	62-0057	1	
9	Fuel Clamp	42-0011	2	25	Trim Lock *(One Foot Required)	33-0129	1	
10	Hose *(Two Feet Required)	15-0007	2	26	Screw Connect	17-0035	1	
11	Hex Nut	30-3023	8	27	Hose Assembly	15-0166	1	
12	High Pressure Hose Assembly	15-0194	1	28	Gun/Lance Assembly	850-0181	1	
13	Fuel Tank Assembly (Includes 14, 15)	850-0248	1	29	Dual Lance Assembly	850-0185	1	
14	Countersunk Hex Head Plug	23-0296	1	30	Nozzle- 1504	18-0054	1	
15	Fuel Cap	12-0033	1	31	Nozzle- 4060	18-0110	1	
16	Fuel Hose	15-0147	2	*Must Order in One Foot Lengths				

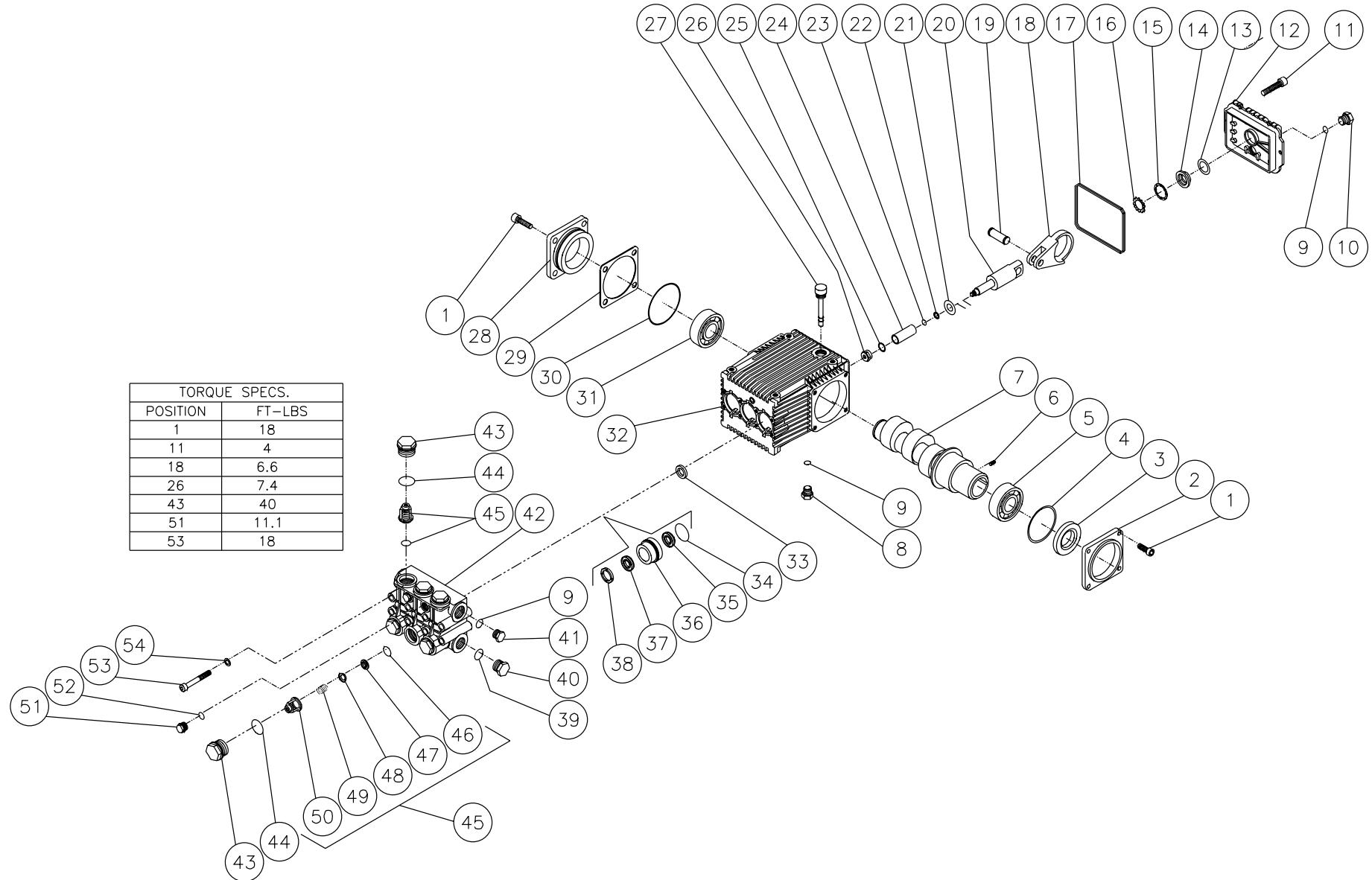
ENGINE/ PUMP ASSEMBLY



HSP100-081301-DLG

ENGINE/ PUMP ASSEMBLY										
REF. #	DESCRIPTION	PART #	QTY. 3MGH	QTY. 3MGV		REF. #	DESCRIPTION	PART #	QTY. 3MGH	QTY. 3MGV
1	Hose Gasket	26-0001	1	1		21	Plug	23-0244	1	1
2	Hose Swivel	23-0095	1	1		22	Pressure Switch	22-0171	1	1
3	Strainer Complete (Includes 4-7)	19-0096	1	1		23	Heat Dump Valve	22-0005	1	1
4	Strainer Bowl	19-0103	1	1		24	Elbow	23-0034	1	1
5	Screen	19-0104	1	1		25	High Pressure Hose	15-0194	1	1
6	Strainer Gasket	25-0056	1	1		26	Set Screw	27-8886	1	1
7	Strainer Body	19-0105	1	1		27	Bolt	27-8434	4	4
8	Elbow	23-0119	1	1		28	Key- Honda	43-0088	1	-
9	Hose Clamp	42-0011	1	1		-	Key- Vanguard	43-0089	-	1
10	Hose *(Two Feet Required)	15-0007	2	2		29	Oil Drain Plug	N/A	1	1
11	High Pressure Pump	3-0194	1	1		30	Washer- Honda	28-0605	2	-
12	Bolt	27-0218	4	4		-	Washer- Vanguard	28-0606	-	2
13	Lockwasher	29-0010	4	4		31	Oil Drain Port- Honda	24-0143	1	-
14	Flatwasher	28-0006	4	4		-	Oil Drain Port- Vanguard	24-0142	-	1
15	Flange/ Pump Adapter	38-0051	1	1		32	Engine- 11 H.P. Honda	1-0039	1	-
16	Belt	11-0037	1	1		-	Engine- 11 H.P. Vanguard	1-0089	-	1
17	Sheave	10-0077	1	1		33	Guard/ Belt- Black	20-0384A01	1	1
18	Set Screw	27-8895	2	2		34	Bolt	27-9526	4	4
19	Bolt	27-0418	4	4	*Must Order in One Foot Lengths					
20	Adaptor Plate	38-0049	1	1						

HIGH PRESSURE PUMP (3-0194)

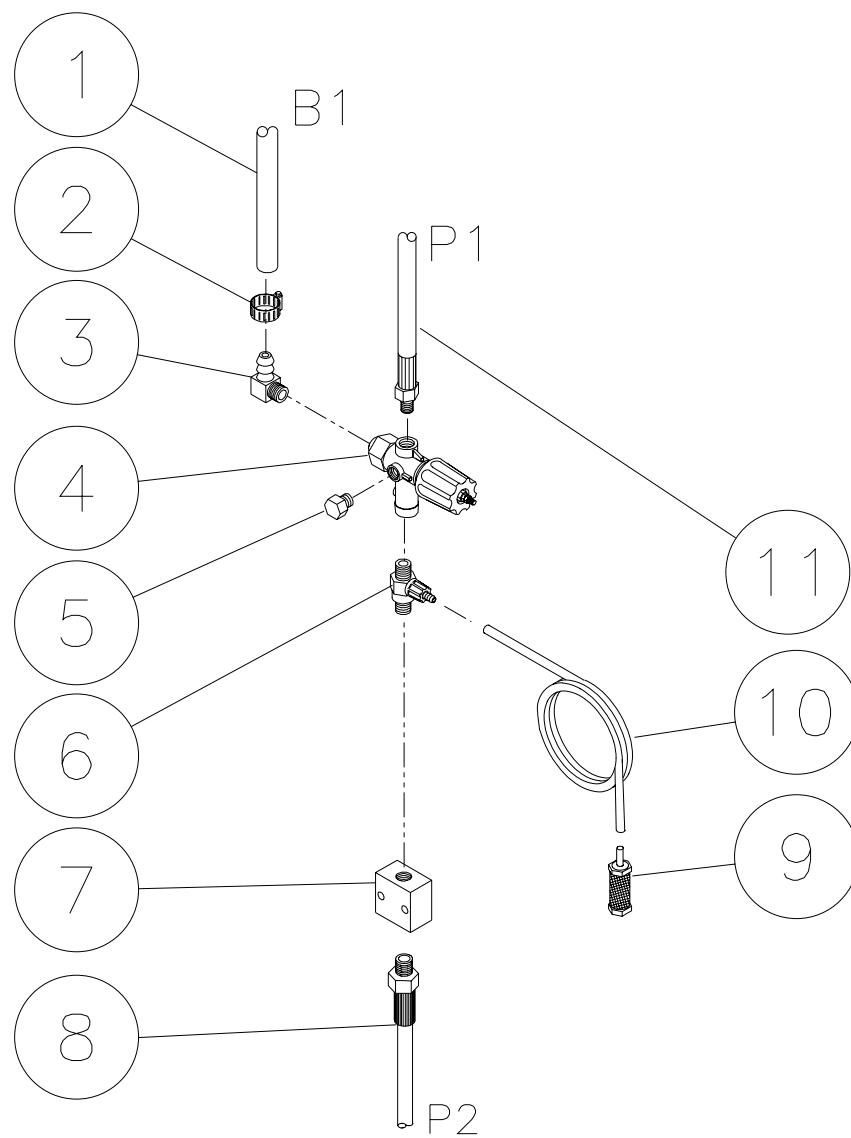


3-0194-082302-RD

HIGH PRESSURE PUMP (3-0194)

REF.	DESCRIPTION	PART #	QTY.	REF.	DESCRIPTION	PART #	QTY.	REF.	DESCRIPTION	PART #	QTY.
1	Bolt	27-8884	8	20	Plunger Rod	46-0699	3	39	O-ring	25-0372	1
2	Shaft Cover	46-0713	1	21	Slinger Washer	46-0700	3	40	Plug	39-0088	1
3	Oil Seal	26-0194	1	22	Back-up Ring	25-0404	3	41	Plug	39-0086	1
4	O-ring	25-0397	1	23	O-ring	25-0382	3	42	Manifold	46-0711	1
5	Bearing	48-0062	1	24	Piston	46-0701	3	43	Valve Cap	39-0095	6
6	Set Screw	27-8886	1	25	Washer	26-0191	3	44	O-ring	25-0160	6
7	Crankshaft (After Serial #28511)	46-0959	1	26	Nut	30-6020	3	45	Single Valve Assembly (Inc. 46-50) (See 70-0179)	N/A Sep.	6
-	Crankshaft (Before Serial #28511)	46-0734	1	27	Oil Dipstick	39-0090	1	46	O-ring (See 70-0179)	25-0386	6
8	Plug	39-0102	1	28	Bearing Cap	46-0703	1	47	Valve Seat (See 70-0179)	N/A Sep.	6
9	O-ring	25-0325	3	29	Shim- 0.1mm (Qty. Varies 1-3)	46-0704	-	48	Valve Plate (See 70-0179)	N/A Sep.	6
10	Plug	39-0086	1	-	Shim- 0.2mm (Qty. Varies 1-3)	46-0705	-	49	Valve Spring (See 70-0179)	N/A Sep.	6
11	Bolt	27-8885	6	30	O-ring	25-0380	1	50	Valve Cage (See 70-0179)	N/A Sep.	6
12	Crankcase Cover	46-0719	1	31	Bearing (After Serial #28511)	48-0072	1	51	Plug	39-0096	2
13	O-ring	25-0370	1	-	Bearing (Before Serial #28511)	48-0061	1	52	O-ring	25-0387	2
14	Oil Sight Glass	46-0670	1	32	Crankcase	46-0811	1	53	Bolt	27-8440	8
15	Reflector	46-0824	1	33	Oil Seal	46-0931	3	54	Lockwasher	29-0154	8
16	Retainer	46-0671	1	34	O-ring	25-0384	3		High Pressure Seals (Inc. 3 each 34, 35, 37)	70-0177	
17	O-ring	25-0398	1	35	Low Pressure Seal (See 70-0177)	N/A Sep.	3		Support Rings (Inc. 3 each 38)	70-0178	
18	Connecting Rod (After Serial #28511)	46-0922	3	36	Packing Retainer	46-0708	3		Valve Kit (Inc. 6 each 46-50)	70-0179	
-	Connecting Rod (Before Serial #28511)	46-0697	3	37	V-Packing (See 70-0177)	N/A Sep.	3		Oil Seals Kit (Inc. 3, 4, 17, 30, 33)	70-0337	
19	Piston Pin	46-0698	3	38	Support Ring (See 70-0178)	N/A Sep.	3		Piston Kit (Inc. 3 each 21-26)	70-0352	

UNLOADER/MANIFOLD ASSEMBLY

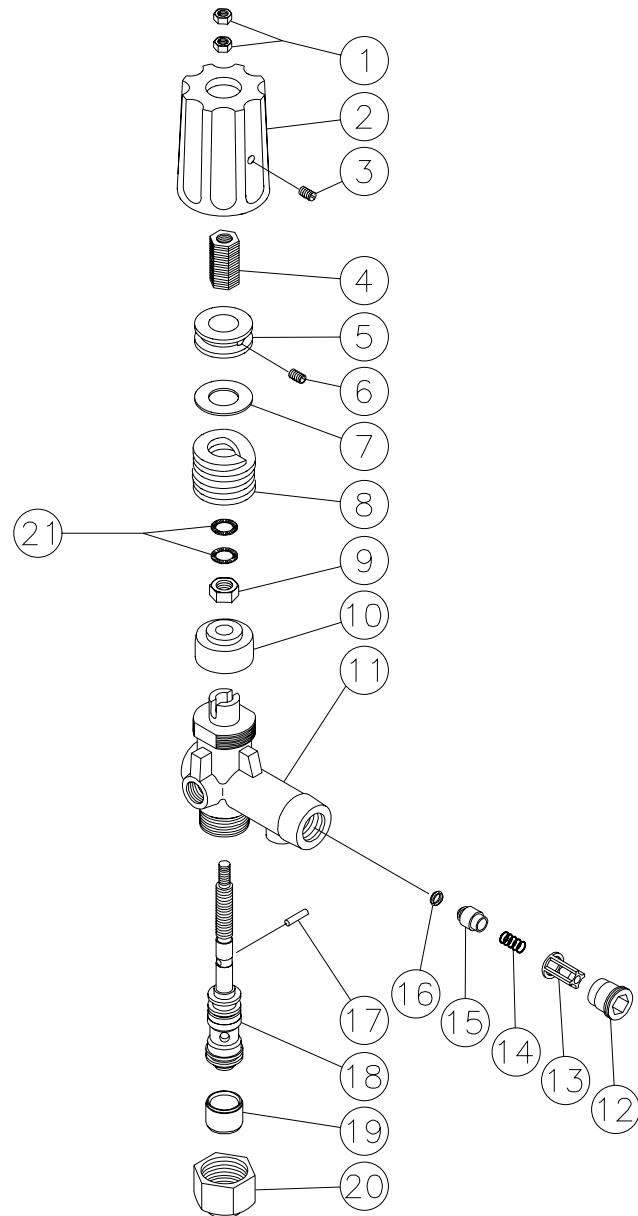


OMHSP080-120498-BAR

UNLOADER/MANIFOLD ASSEMBLY			
REF. #	DESCRIPTION	PART #	QTY.
1	Hose *(Two Feet Required)	15-0007	1
2	Hose Clamp	42-0011	1
3	Elbow	23-0119	1
4	Unloader Assembly	850-0252	1
5	Plug	23-0238	1
6	Detergent Injector	50-0052	1
7	Manifold Block	51-0026	1
8	High Pressure Hose Assembly	15-0202	1
9	Detergent Strainer	19-0050	1
10	Detergent Hose *(Six Feet Required)	15-0021	1
11	High Pressure Hose Assembly	15-0194	1

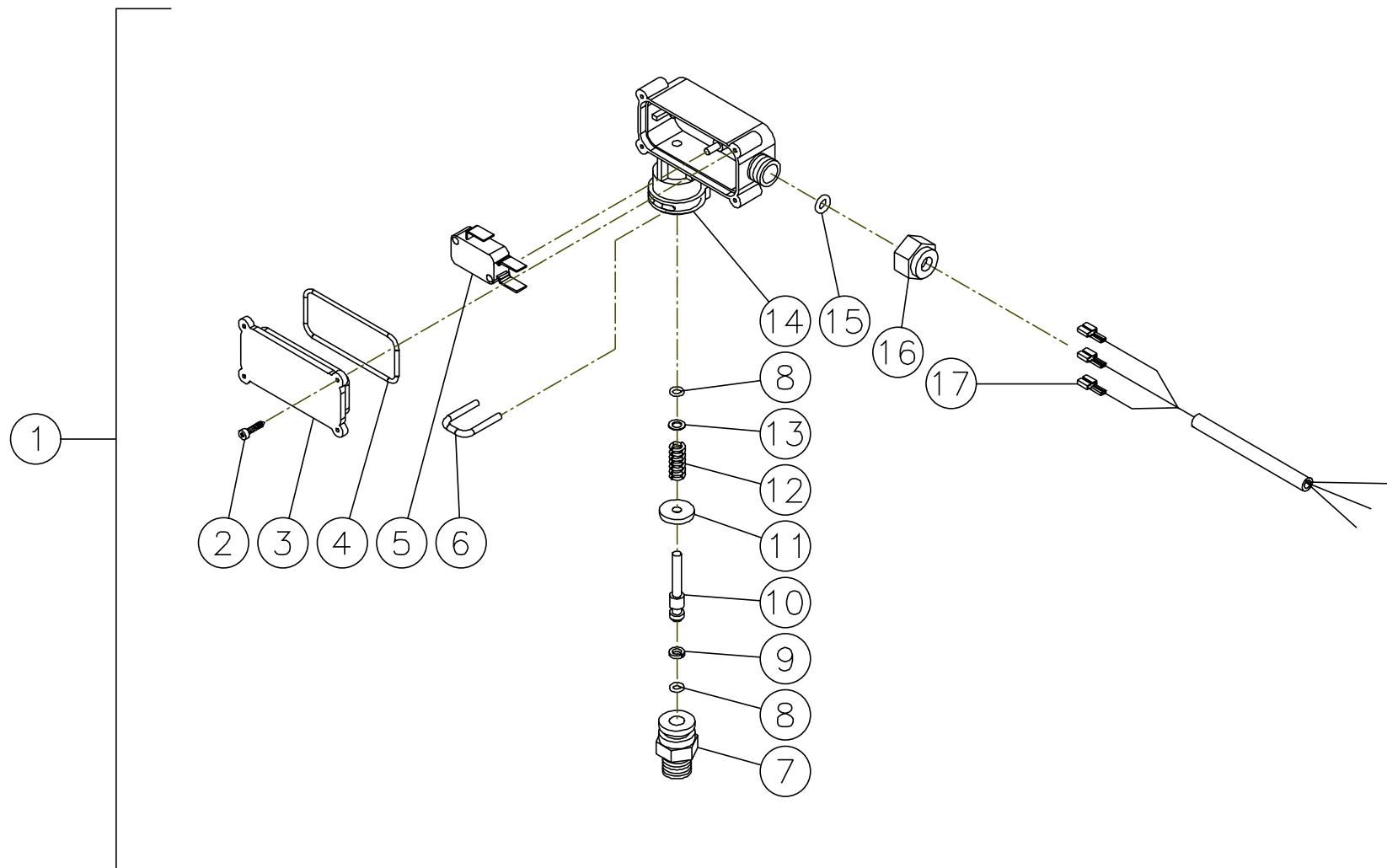
*Must Order in One Foot Lengths

UNLOADER (850-0252)



UNLOADER (850-0252)			
REF. #	DESCRIPTION	PART #	QTY.
1	Hex Nut	8-0362	2
2	Cover	7-0098	1
3	Set Screw	27-4280	1
4	Adjusting Insert- Brass	8-0363	1
5	Adjustment Nut	8-0364	1
6	Set Screw	8-0365	1
7	Glide Ring	8-0366	1
8	Spring	49-0104	1
9	Hex Nut	8-0367	1
10	Bushing	8-0368	1
11	Unloader Body	8-0369	1
12	Retainer	8-0269	1
13	Valve Housing	8-0104	1
14	Spring	49-0023	1
15	Valve	8-0105	1
16	O-ring	25-0036	1
17	Cylinder Pin	8-0372	1
18	Piston Repair Kit	70-0243	1
19	Spacer	8-0371	1
20	Stop Nut	8-0157	1
21	Washer	29-0154	2
	Check Valve Repair Kit (Includes 13-16)	70-0244	
	Unloader Complete	850-0252	

PRESSURE SWITCH (22-0171)

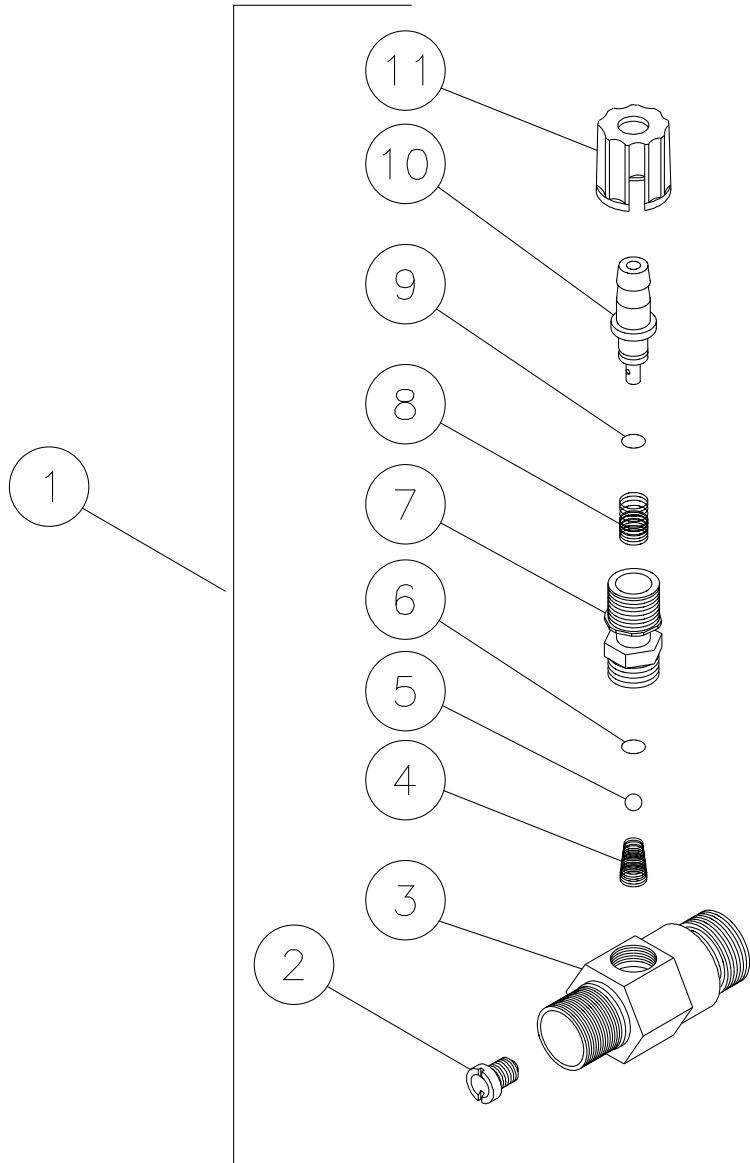


22-0171 & 22-0243-120799-BAR

22-0171-120799-BAR

PRESSURE SWITCH (22-0171)			
REF. #	DESCRIPTION	PART #	QTY.
1	Pressure Switch	22-0171	1
2	Screw	N/A	4
3	Cover	N/A	1
4	O-ring (See 70-0306)	N/A Sep.	1
5	Micro Switch	N/A	1
6	Retainer Clip	N/A	1
7	Body	N/A	1
8	O-ring (See 70-0306)	N/A Sep.	2
9	Back-up Ring (See 70-0306)	N/A Sep.	1
10	Piston	N/A	1
11	Washer	N/A	1
12	Spring	49-0144	1
13	Washer	N/A	1
14	Plastic Housing	N/A	1
15	O-ring (See 70-0306)	N/A Sep.	1
16	Nut	N/A	1
17	Wire Assembly	N/A	1
	O-ring Repair Kit (Inc. 4, 8-9, 15)	70-0306	

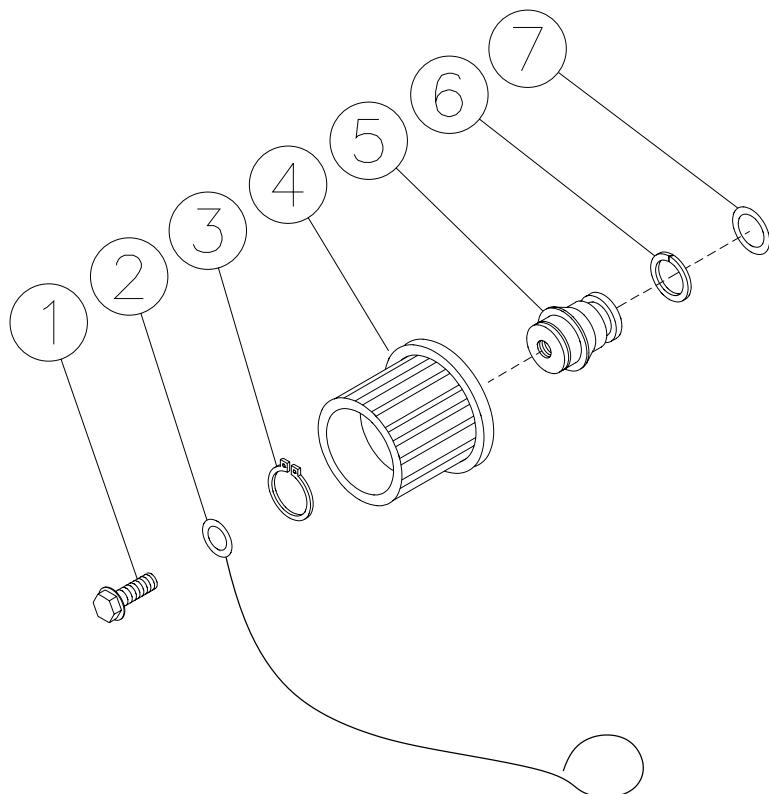
DETERGENT INJECTOR (50-0052)



50-0052-072701-RD

DETERGENT INJECTOR (50-0052)			
REF. #	DESCRIPTION	PART #	QTY.
1	Detergent Injector (Inc. 2-11)	50-0052	1
2	Orifice (2.1mm)	50-0057	1
3	Injector Body	N/A	1
4	Spring (See 852-0056)	N/A Sep.	1
5	Ball (See 852-0056)	N/A Sep.	1
6	O-ring (See 852-0056)	N/A Sep.	1
7	Piston Retainer	50-0156	1
8	Spring	49-0056	1
9	O-ring (See 852-0056)	N/A Sep.	1
10	Adjustable Shutter Barb	50-0157	1
11	Adjustment Knob	50-0158	1
	Injector Repair Kit (Includes 4-6, 8)	852-0056	

COIL DRAIN PLUG (850-0218)

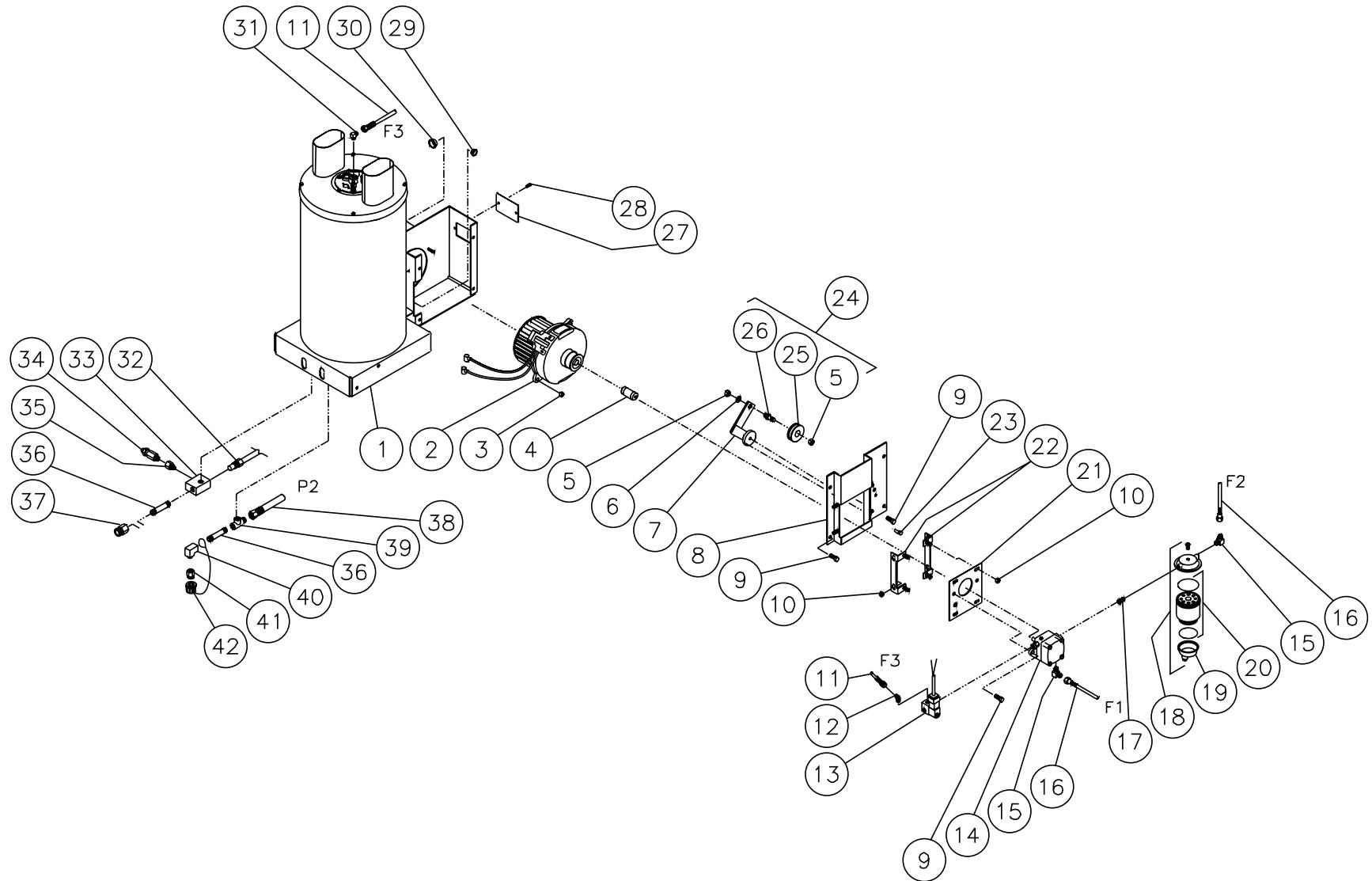


850-0218-041597-BAR

COIL DRAIN PLUG (850-0218)			
REF. #	DESCRIPTION	PART #	QTY.
1	Bolt	27-9526	1
2	Retaining Cable	33-0260	1
3	Snap Ring	33-0261	1
4	Hand Wheel	16-0239	1
5	Plug	24-0147	1
6	Back-up Ring	25-0424	1
7	O-ring	25-0423	1

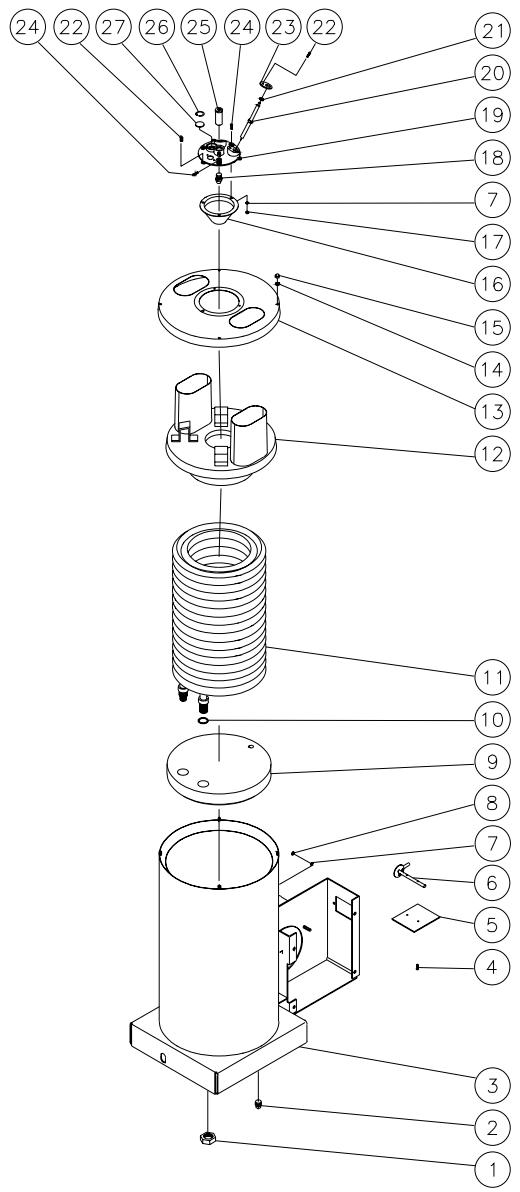
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HEAT EXCHANGER/EMF SYSTEM

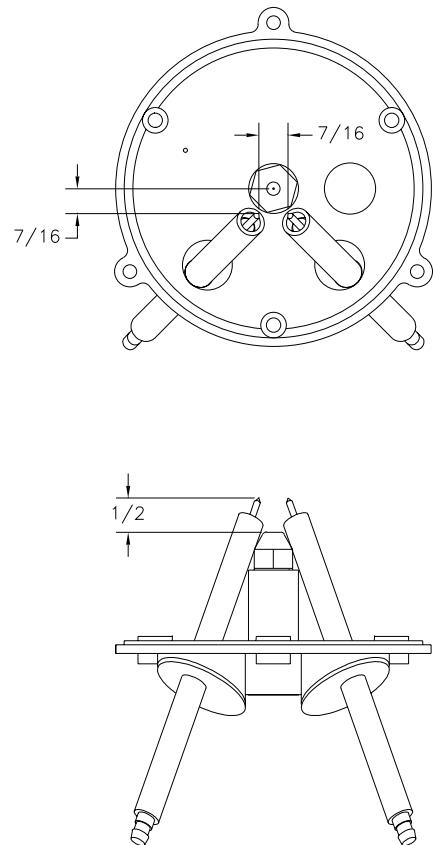


HEAT EXCHANGER/EMF SYSTEM							
REF. #	DESCRIPTION	PART #	QTY.	REF. #	DESCRIPTION	PART #	QTY.
1	Boiler Assembly Complete	850-0226	1	22	Bracket	20-0360A01	2
2	EMF Assembly	850-0257	1	23	Pin	33-0211	1
3	Hex Nut	30-3022	2	24	Tensioner Sheave Shaft Assembly (Inc. 5, 25, 26)	850-0166	1
4	Fuel Pump Coupler	33-0225	1	25	Sheave Assembly	850-0177	1
5	Nut	30-0159	2	26	Shaft	33-0212	1
6	Flatwasher	28-0022	1	27	Access Panel	20-0386A01	1
7	Tensioner Base	10-0071	1	28	Bolt	27-9526	2
8	Fuel Pump Bracket	20-0381A01	1	29	Grommet	32-0426	1
9	Bolt	27-9524	7	30	Gromment	32-0427	1
10	Hex Nut	30-3023	8	31	Elbow	23-0287	1
11	Fuel Hose Assembly	15-0165	1	32	High Limit Switch	32-0423	1
12	Elbow	23-0288	1	33	Outlet Connector Block	24-0138	1
13	Fuel Solenoid- 12 Volt	44-0100	1	34	Pressure Relief Valve	22-0273	1
14	Fuel Pump	3-0020	1	35	Adapter	23-0369	1
15	Elbow	23-0237	2	36	Nipple	24-0165	2
16	Fuel Hose	15-0147	2	37	Hex Reducer	23-0197	1
17	Hex Nipple	24-0145	1	38	High Pressure Hose Assembly	15-0202	1
18	Filter Fuel Water Seperator	19-0070	1	39	Street Tee	23-0058	1
19	Fuel Water Seperator Replacement Bowl	19-0071	1	40	Elbow	23-0034	1
20	Fuel Water Seperator Replacement Filter	19-0053	1	41	Adapter	23-0279	1
21	Plate	20-0363A01	1	42	Drain Plug Assembly	850-0218	1

BOILER ASSEMBLY (850-0226)



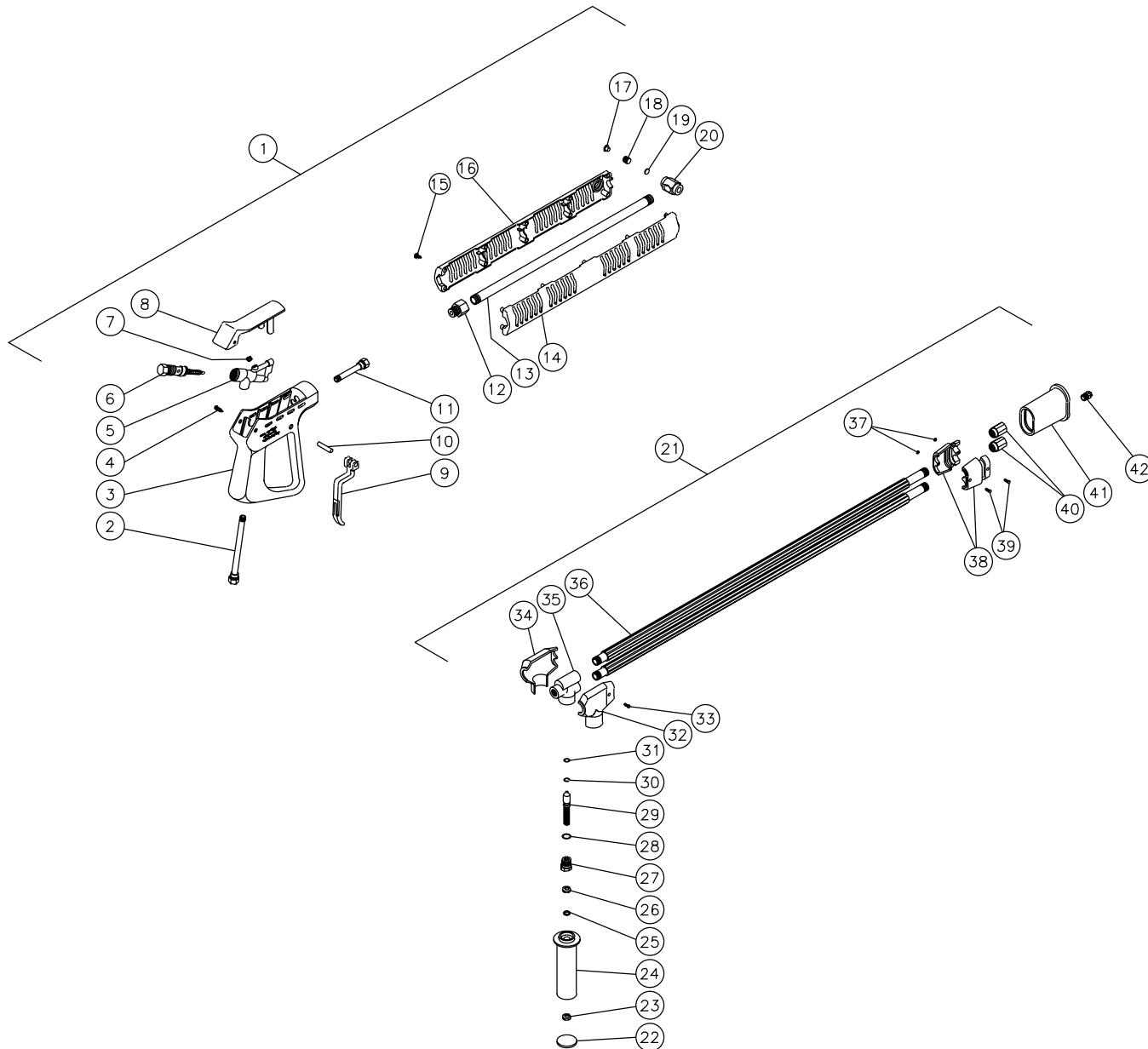
ELECTRODE GAP SETTINGS



850-0226-121499-BAR

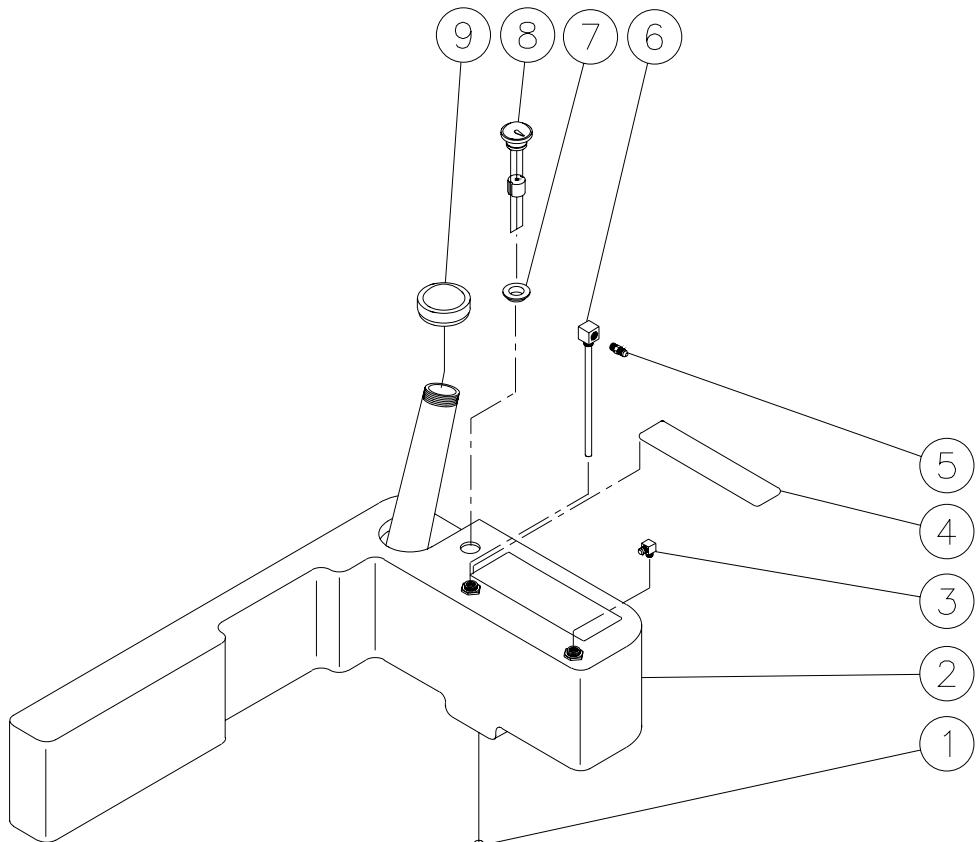
BOILER ASSEMBLY (850-0226)				
REF. #	DESCRIPTION	PART #	QTY.	
1	Hex Nut	30-0121	2	
2	Plug	24-0034	1	
3	Heat Exchanger Outer Wrap- Black	20-0376A01	1	
4	Bolt	27-8879	2	
5	Air Diverter Plate- Black	20-0378A01	1	
6	Air Diverter Stem Assembly- Black	20-0377A01	1	
7	Lockwasher	28-1009	4	
8	Hex Nut	30-0137	1	
9	Bottom Insulation	33-0250	1	
10	Washer	28-0521	2	
11	Heat Exchanger Coil Assembly	66-0011	1	
12	Inner Pan Assembly	20-0372	1	
13	Top Pan Assembly- Black	20-0371A01	1	
14	Lockwasher	28-1028	4	
15	Acorn Nut	30-6002	4	
16	Cone	20-0373	1	
17	Nut	30-6001	3	
18	Fuel Nozzle	18-0308	1	
19	Electrode Plate	38-0046	1	
20	Washer	28-0523	4	
21	Electrode	32-0420	2	
22	Bolt	27-9526	5	
23	Electrode Mounting Clip- Black	20-0383A01	2	
24	Bolt	27-8878	4	
25	Nozzle Holder	23-0292	1	
26	Snap Ring	33-0254	1	
27	Sight Glass	33-0252	1	
	Boiler Assembly Complete (Inc. 1-27)	850-0226		

GUN (850-0181) & ADJUSTABLE PRESSURE DUAL LANCE (850-0185)



GUN (850-0181) & ADJUSTABLE PRESSURE DUAL LANCE (850-0185)								
REF. #	DESCRIPTION	PART #	QTY.		REF. #	DESCRIPTION	PART #	QTY.
1	Gun/Lance Assembly (Includes 2-20)	850-0181	1		24	Handle	16-0313	1
2	Pipe Assembly	16-0016	1		25	Washer	28-1021	1
3	Plastic Housing	16-0008	1		26	Nut	30-3010	1
4	Screw	27-3230	2		27	Adaptor	23-0271	1
5	Housing	16-0012	1		28	O-ring	25-0351	1
6	Gun Repair Kit	70-0055	1		29	Piston	16-0314	1
7	Plug	39-0024	1		30	Back-up Ring	25-0352	1
8	Cover	16-0009	1		31	O-ring	25-0353	1
9	Trigger Safety Lock-off	16-0010	1		32	Upper Protector	16-0315	1
10	Trigger Pin	16-0063	1		33	Screw	27-8862	1
11	Pipe Assembly	16-0013	1		34	Lower Protector	16-0316	1
12	Adaptor	16-0283	1		35	Body	23-0272	1
13	Pipe	16-0277	1		36	Lance w/Protective Cover	16-0328	2
14	Guard Lance (Right Side)	16-0320	1		37	Nut	30-3060	2
15	Screw	27-8382	6		38	Pipe Clamp	16-0318	2
16	Guard Lance (Left Side)	16-0321	1		39	Screw	27-8861	2
17	Plug	39-0076	1		40	Nipple	24-0127	2
18	Screw	49-0103	1		41	Nozzle Protector	16-0319	1
19	Spacer	16-0282	1		42	Nozzle-6540	18-0110	1
20	Lance Holder (See 16-0306)	N/A Sep.	1			Gun Assembly (Includes 12-20)	16-0001	
21	Dual Lance Assembly (Inc. 22-42)	850-0185	1			Lance Assembly (Includes 13-21)	16-0306	
22	Handle Plug	16-0312	1			O-ring Kit (Includes 37, 39, 40)	70-0143	
23	Nut	30-3002	1					

FUEL TANK (850-0248)

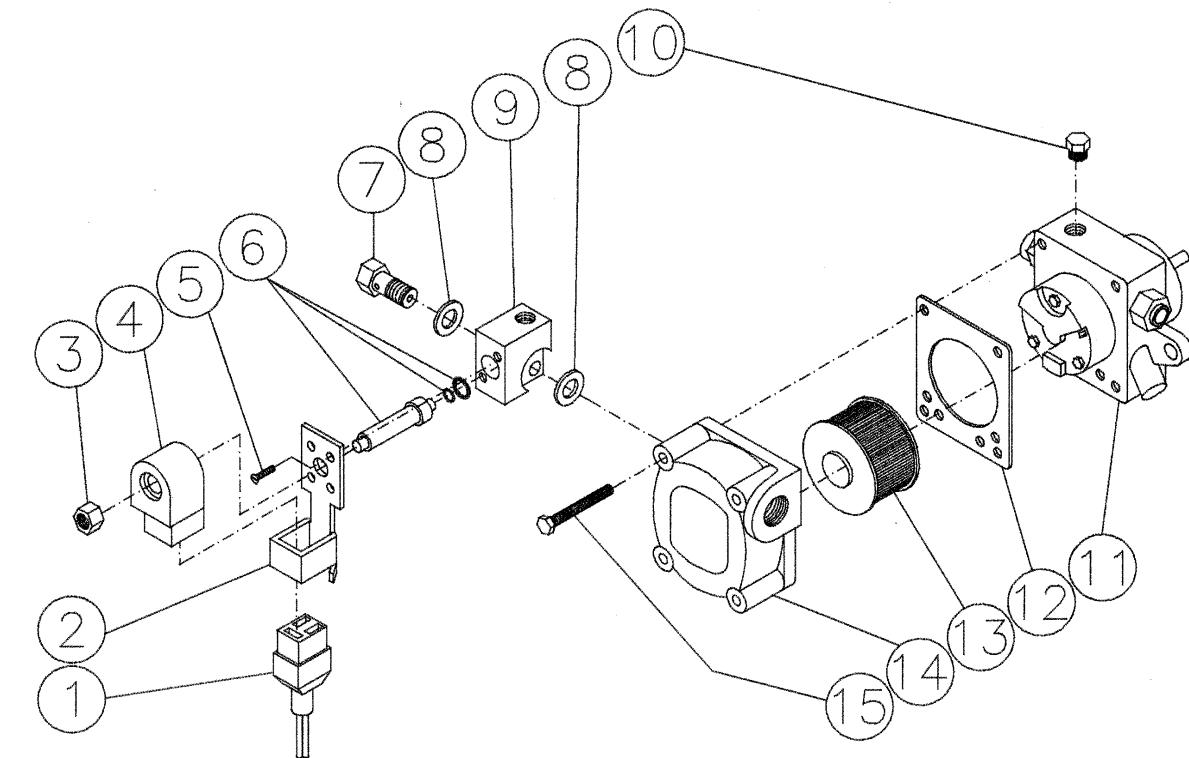


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FUEL TANK (850-0248)			
REF. #	DESCRIPTION	PART #	QTY.
1	Plug	23-0296	1
2	Fuel Tank (See 850-0193)	N/A Sep.	1
3	Elbow	23-0237	1
4	Decal-Warning: Risk of Fire (E/S) (See 34-9001)	N/A Sep.	1
5	Flare	23-0247	1
6	Fuel Pick-up Line	33-0270	1
7	Bushing	33-0255	1
8	Fuel Indicator Gauge	22-0215	1
9	Fuel Cap-Vented	12-0033	1
	Safety Decal Kit (Includes 4)	34-9001	

850-0193-012098-BAR

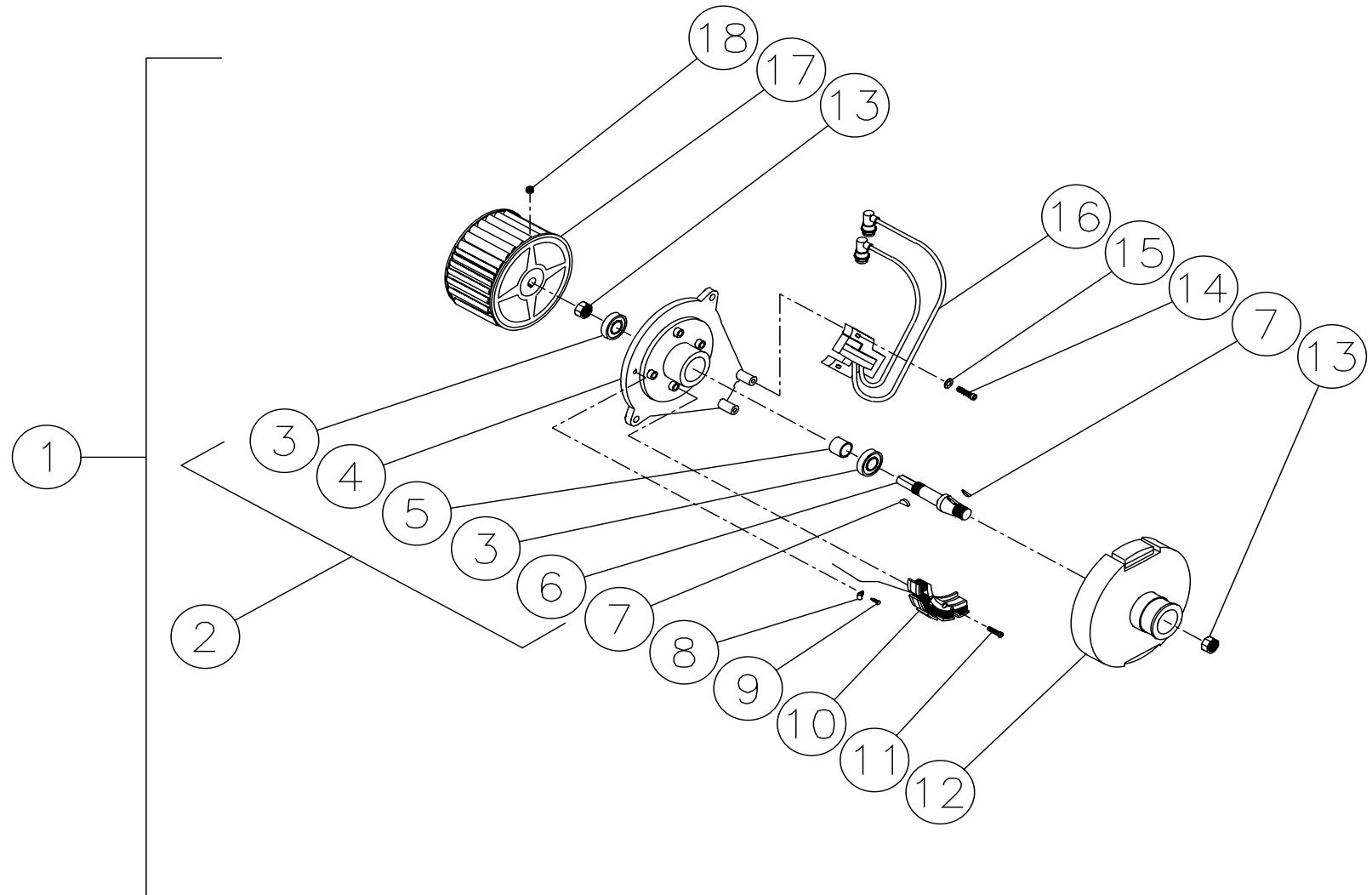
FUEL PUMP (3-0020) & FUEL SOLENOID (44-0100)



0MHSP049-080902-BAR

FUEL PUMP (3-0020) & FUEL SOLENOID (44-0100)			
REF. #	DESCRIPTION	PART #	QTY.
1	Cord-Din Connector	32-0443	1
2	Base Plate	46-1014	1
3	Nut	46-1016	1
4	Solenoid Coil- 12 Volt	46-1015	1
5	Screw	N/A	2
6	Piston	46-1012	1
7	Bolt	46-1009	1
8	Washer	26-0150	2
9	Solenoid Body	N/A	1
10	Plug	24-0082	1
11	Fuel Pump Body	N/A	1
12	Cover Gasket	26-0109	1
13	Fuel Oil Strainer	19-0034	1
14	Fuel Pump Cover	46-1005	1
15	Fuel Pump Cover Screw	46-1006	4

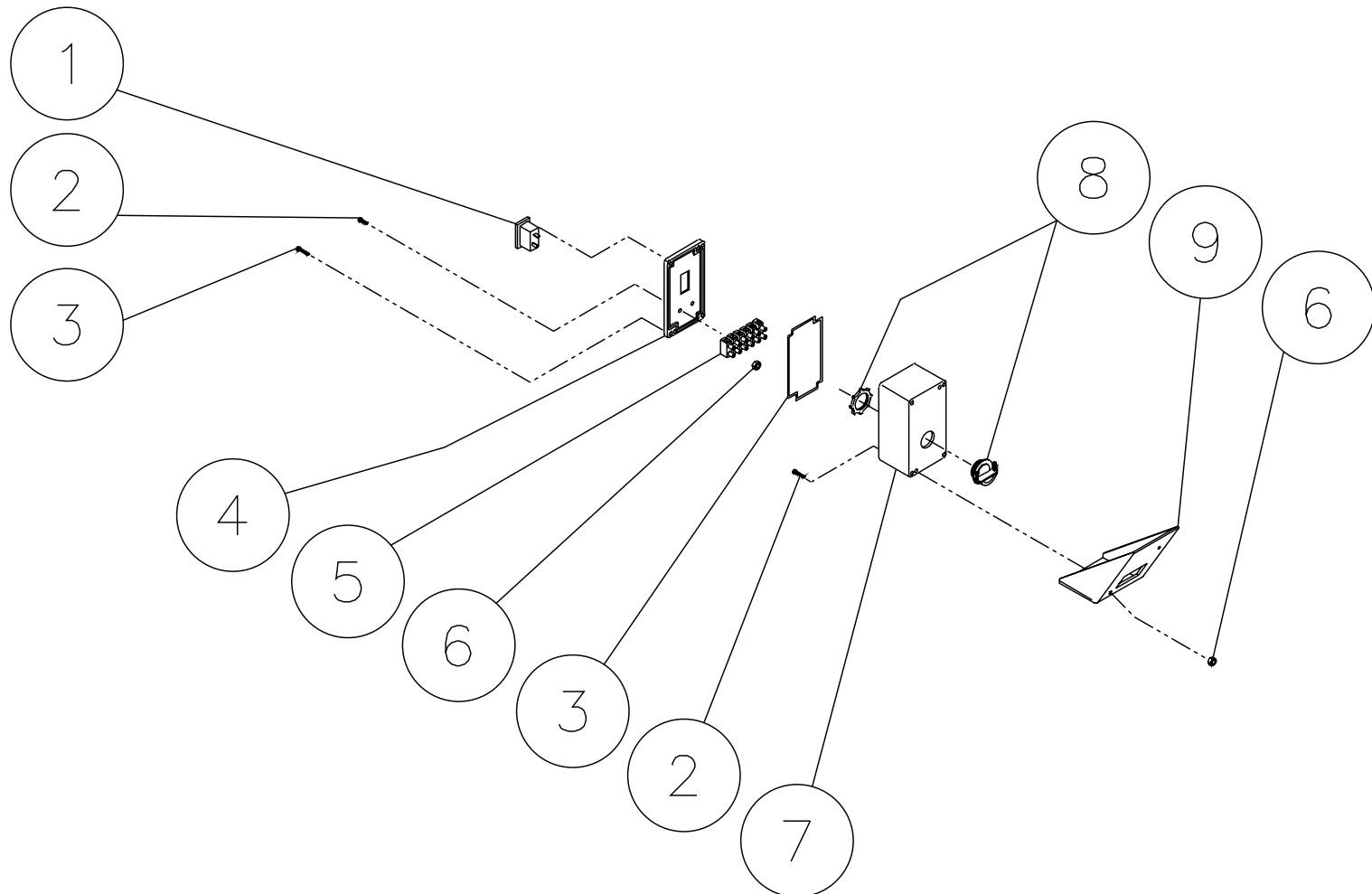
EMF SYSTEM (850-0257)



OMHSP072-113099-BAR

EMF SYSTEM (850-0257)			
REF. #	DESCRIPTION	PART #	QTY.
1	EMF Assembly	850-0257	1
2	Blower Flange Assembly	850-0258	1
3	Bearing	48-0041	2
4	Flange Blower	38-0040	1
5	Spacer	33-0206	1
6	Shaft- Blower/ Electric	20-0347	1
7	Woodruff Key	43-0080	2
8	Cable Clamp	32-0403	1
9	Screw	27-2070	1
10	Stator Coil	850-0201	1
11	Screw	27-0740	2
12	Flange Magnet Hub	38-0041	1
13	Hex Nut	30-0177	2
14	Bolt	27-8898	2
15	Flatwasher	28-0002	2
16	Ignition Coil Assembly	850-0191	1
17	Blower Fan	44-0099	1
18	Screw Set w/ Fan	30-3021	1

ELECTRIC BOX

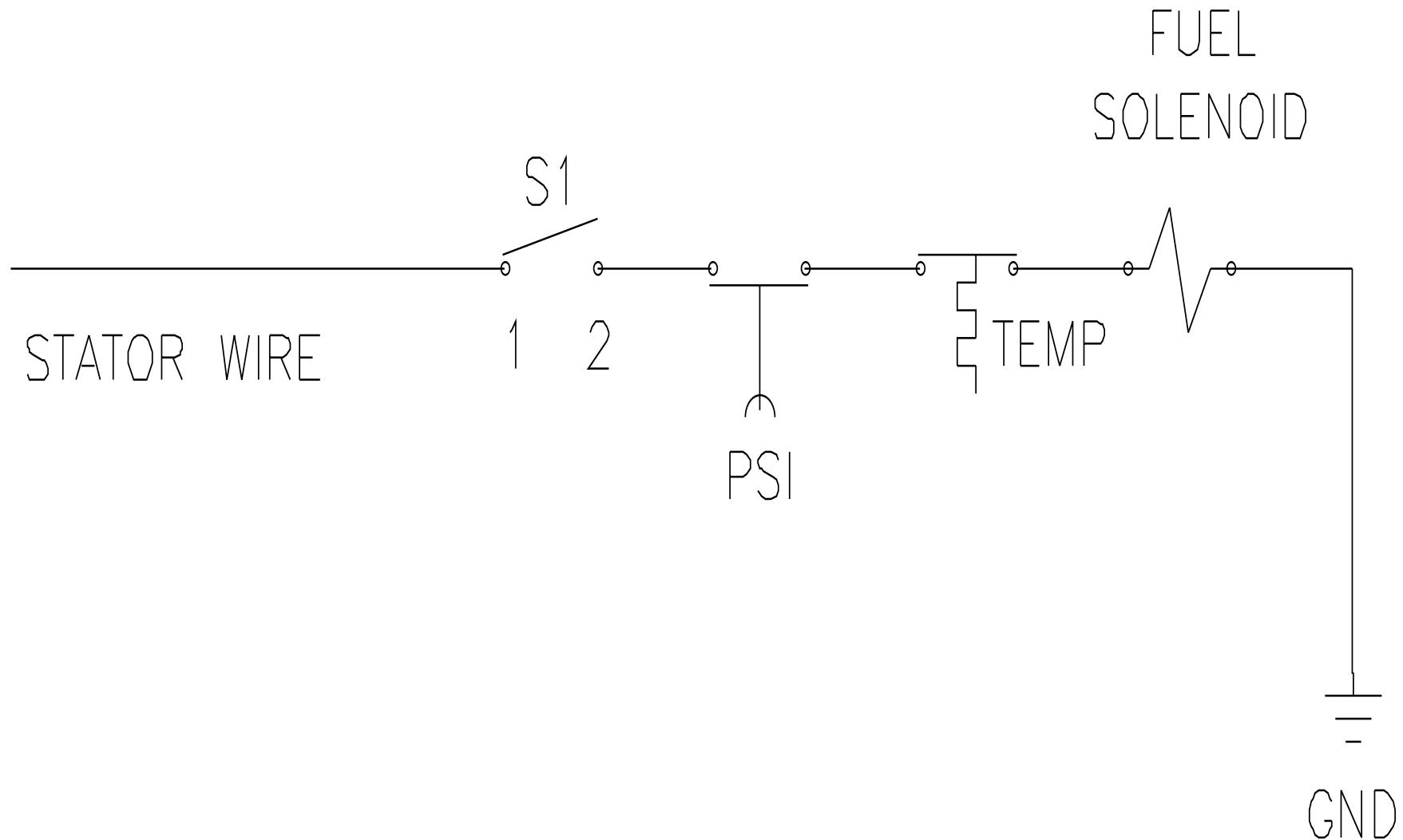


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ELECTRIC BOX			
REF. #	DESCRIPTION	PART #	QTY.
1	Switch/ Rocker	32-0422	1
2	Bolt	27-8881	4
3	Bolt and Gasket Kit	70-0169	1
4	Electric Box Lid- Black	32-0430A01	1
5	Terminal Strip	32-0394	1
6	Hex Nut	30-0152	4
7	Electric Box- Black	32-0429A01	1
8	Electrical Connecter	32-0085	1
9	Electric Box Bracket- Black	20-0380A01	1

WIRING SCHEMATIC



OMHSP050A-071796-BAR

WIRING DIAGRAM

