

Mi-T-M[®] CORPORATION

8650 Enterprise Drive, Peosta IA 52068

563-556-7484 / Fax 563-556-1235

PARTS LIST FOR

CWC-4005-1MGH (AFTER SERIAL #10005894)

CWC-4005-1MGV (AFTER SERIAL #10005894)

CWC-5004-1MGH (AFTER SERIAL #10020492)

CWC-5004-1MGV (AFTER SERIAL #10005894)

ENGINE OIL GRADE:

HONDA:

VANGUARD:

SAE10W-30

ABOVE 40°F=SAE30

BELOW 40°F=SAE10W-30

54 oz.

Mi-T-M #AW-4085-0016

40.6 oz.

ENGINE OIL CAPACITY:

PUMP OIL GRADE:

PUMP OIL CAPACITY:

PRESSURE NOZZLE SIZE FOR

CWC-4005-1MGH/GV

CWC-5004-1MGH/GV

5.0

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 power source. Turning over the machinery by hand during adjustment or cleaning might start the machinery, 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.
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 FOR CWC-4005-1MGH/1MGV

CWC-4005-1MGH/V

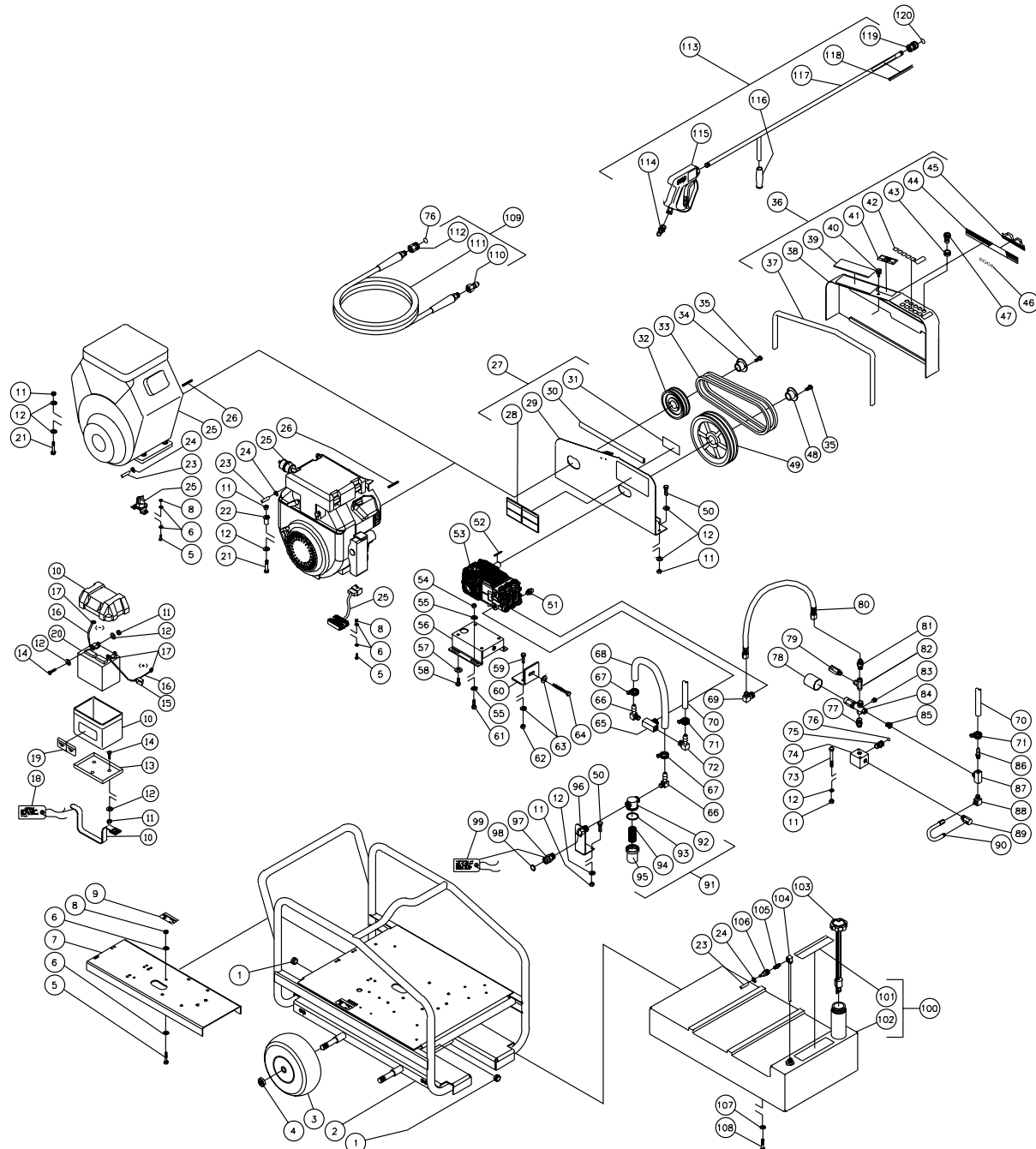
MODEL NUMBER	CWC-4005-1MGH	CWC-4005-1MGV
Operating Pressure (PSI/Bar):	4000/276	
High Pressure Nozzle:	5.0	
Water Volume (GPM/lpm):	5.0/18.9	
Engine:	Honda	Briggs & Stratton Vanguard
Horsepower	20.0	
Engine Type	4 Stroke, Overhead Valve, Single Cylinder	
Oil Type	SAE10W-30	Above 40 F = SAE30/Below 40 F = SAE10W-30
Oil Capacity (oz./liter)	54/1.6	
Low Oil Protection	Oil Alert	Oil Guard
Fuel Type	Unleaded Gasoline 86 Octane Minimum	
Fuel Capacity (gal./liter)	11.5/43.5	
Starting	Electric	
Maximum No Load RPM	3600 (+/- 100) RPM	
Heat Dump Valve	Relieves heated water during unloader bypass stage	
Pump:	Belt Driven, Oil Bath, Triplex Piston	
Oil Type	Mi-T-M Pump Oil #AW-4085-0016	
Oil Capacity (oz./liters)	40.6/1.2	
Plungers	Ceramic	
Manifold	Forged Brass	
Valves	Stainless Steel	
Unloader	Preset	
Unit Net Weight (lbs/Kg)	378/171.5	363/165
Unit Shipping Weight (lbs/Kg)	501/227	486/220.5
Unit Net Dimension (in/cm)	43Lx23.75Wx36H/109Lx70.5Wx91.5H	
Unit Shipping Dimension (in/cm)	46.5Lx31.5Wx48.5H/118Lx80Wx123H	

SPECIFICATIONS FOR CWC-5004-1MGH/1MGV

CWC-5004-1MGH/V

MODEL NUMBER	CWC-5004-1MGH	CWC-5004-1MGV
Operating Pressure (PSI/Bar):	5000/344.7	
High Pressure Nozzle:	3.5	
Water Volume (GPM/lpm):	4.0/15.1	
Engine:	Honda	Briggs & Stratton Vanguard
Horsepower	20.0	
Engine Type	4 Stroke, Overhead Valve, Single Cylinder	
Oil Type	SAE10W-30	Above 40 F = SAE30/Below 40 F = SAE10W-30
Oil Capacity (oz./liter)	54/1.6	
Low Oil Protection	Oil Alert	Oil Guard
Fuel Type	Unleaded Gasoline 86 Octane Minimum	
Fuel Capacity (gal./liter)	11.5/43.5	
Starting	Electric	
Maximum No Load RPM	3600 (+/- 100) RPM	
Heat Dump Valve	Relieves heated water during unloader bypass stage	
Pump:	Belt Driven, Oil Bath, Triplex Piston	
Oil Type	Mi-T-M Pump Oil #AW-4085-0016	
Oil Capacity (oz./liters)	40.6/1.2	
Plungers	Ceramic	
Manifold	Forged Brass	
Valves	Stainless Steel	
Unloader	Preset	
Unit Net Weight (lbs/Kg)	378/171.5	363/165
Unit Shipping Weight (lbs/Kg)	501/227	486/220.5
Unit Net Dimension (in/cm)	43Lx23.75Wx36H/109Lx70.5Wx91.5H	
Unit Shipping Dimension (in/cm)	46.5Lx31.5Wx48.5H/118Lx80Wx123H	

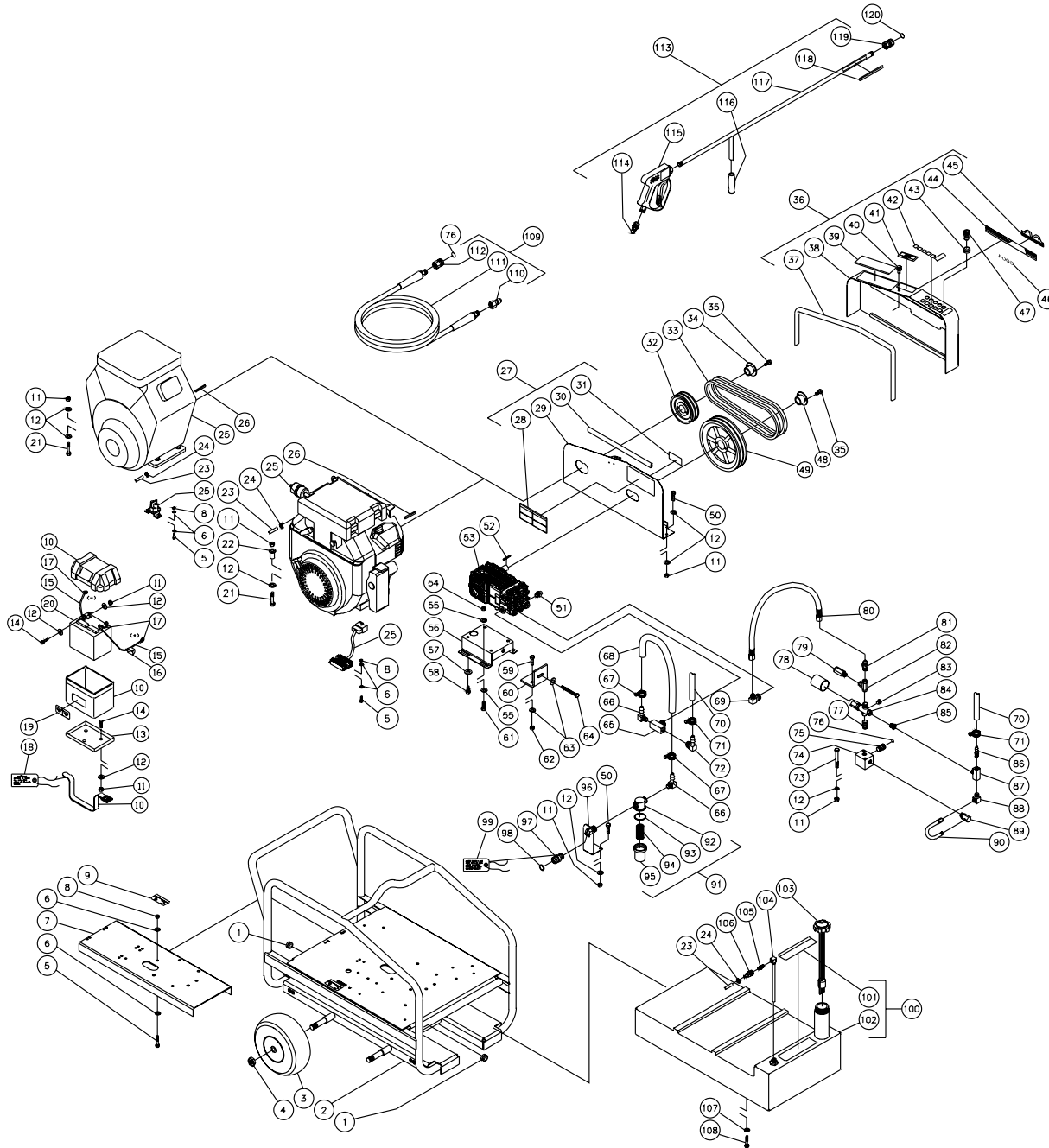
FRAME ASSEMBLY FOR CWC-4005-1MGH/1MGV



CWC-4005-1MGH/GV-102601-RD

FRAME ASSEMBLY FOR CWC-4005-1MGH/1MGV															
REF. #	DESCRIPTION	PART #	QTY. 1MGH	QTY. 1MGV	REF. #	DESCRIPTION	PART #	QTY. 1MGH	QTY. 1MGV	REF. #	DESCRIPTION	PART #	QTY. 1MGH	QTY. 1MGV	
1	Grommet	33-0002	2	2	41	Decal- Warning: Muffler Hot (E/S)	34-0598	1	1	80	High Pressure Cross-Over Hose	15-0177	1	1	
2	Frame Assembly	5-0136A01	1	1	42	Decal-Die Cut Nozzles	34-0500	1	1	81	Nipple	24-0002	1	1	
3	Wheel	14-0006	4	4	43	Grommet	33-0001	5	5	82	Tee	24-0026	1	1	
4	Jamnut	30-0117	4	4	44	Decal-Mi-T-M Stripe Large	34-0501	1	1	83	Plug	39-0017	1	1	
5	Bolt	27-0016	3	3	45	Mi-TM Logo	62-0086	1	1	84	Unloader	8-0522	1	1	
6	Washer	28-0021	6	6	46	Decal-White Die Cut 4005	34-0833	1	1	85	Bushing	23-0016	1	1	
7	Support Bracket	13-0120A01	1	1	47	Spray Nozzle-0005	18-0003	1	1	86	Barb	23-0105	1	1	
8	Nut	30-0155	3	3	-	Spray Nozzle-1505	18-0004	1	1	87	Branch Tee	23-0117	1	1	
9	Decal- Data Plate	N/A	1	1	-	Spray Nozzle-2505	18-0153	1	1	88	Elbow	23-0324	1	1	
10	Battery Box	33-0092	1	1	-	Spray Nozzle-4005	18-0180	1	1	89	Easy Start Valve	22-0242	1	1	
11	Nut	30-0157	16	16	48	Bushing	9-0017	1	1	90	Hose Barb	15-0140	1	1	
12	Washer	28-0003	24	28	49	Sheave	10-0037	1	1	91	Strainer Assembly (Inc. 992-95, 97, 98)	19-0057	1	1	
13	Battery Retainer	20-0264A01	1	1	50	Bolt	27-0067	6	6	92	Strainer Cap	19-0058	1	1	
14	Bolt	27-0066	4	4	51	Thermal Valve	22-0005	1	1	93	Strainer Gasket	26-0160	1	1	
15	Battery Cable Cover	33-0004	1	1	52	Key w/Pump	43-0028	1	1	94	Strainer Screen	19-0059	1	1	
16	Battery Cable *(Four Feet Required) Pos.=22" Neg.=16"	32-0065	1	1	53	Pump	3-0212	1	1	95	Strainer Bowl	19-0060	1	1	
17	Terminal Ring	32-0097	4	4	54	Locknut	30-0161	4	4	96	Bracket	20-0428A01	1	1	
18	Tag- Battery	34-0096	1	1	55	Washer	28-0030	8	8	97	Garden Hose Swivel	23-0095	1	1	
19	Decal- Caution: Disconnect Battery (E/S)	34-0848	1	1	56	Pump Bracket	5-0101A01	1	1	98	Garden Hose Gasket	26-0001	1	1	
20	Battery	32-0058	1	1	57	Washer	29-0055	4	4	99	Tag- Water Inlet Supply	34-0097	1	1	
21	Bolt	27-0071	4	4	58	Bolt	27-8471	4	4	100	Fuel Tank Assembly (Inc. 101, 102)	851-0319	1	1	
22	Shim	33-0169	4	-	59	Bolt	27-0118	2	2	101	Decal- Caution: Gas Only (E/S)	34-0835	1	1	
23	Fuel Line *(Four Feet Required)	15-0031	1	-	60	Brace Tightener	13-0003A01	1	1	102	Fuel Tank (See 851-0319)	N/A Sep.	1	1	
-	Fuel Line *(Three Feet Required)	15-0031	-	1	61	Bolt	27-0167	4	4	103	Fuel Cap w/Guage	12-0061	1	1	
24	Hose Clamp	42-0004	2	2	62	Locknut	30-0159	2	2	104	Fuel Pick-up	33-0271	1	1	
25	Motor Assembly	851-0307	1	-	63	Washer	28-0023	3	3	105	Quick Connect Plug	17-0038	1	1	
-	Motor Assembly	851-0318	-	1	64	Bolt	27-0576	1	1	106	Quick Connect Socket	17-0018	1	1	
26	Key	43-0078	1	1	65	Branch Tee	23-0235	1	1	107	Washer	28-0022	4	4	
27	Beltguard Back Assembly (Inc. 28-31)	851-0310	1	1	66	Elbow	23-0037	2	2	108	Bolt	27-9524	4	4	
28	Decal- Warning/Caution (E/S)	34-0812	1	1	67	Worm Clamp	42-0003	2	2	109	Pressure Hose Assembly (Inc. 110-112)	851-0006	1	1	
29	Beltguard Back (See 851-0310)	N/A Sep.	1	1	68	Hose *(Two Feet Required)	15-0033	1	1	110	Quick Connect Plug	17-0006	1	1	
30	Edging *(Two Feet Required)	33-0020	1	1	69	Elbow	24-0092	1	1	111	Pressure Hose	15-0004	1	1	
31	Decal- Warning: Beltguard (E/S)	34-0826	1	1	70	Hose *(Three Feet Required)	15-0007	1	1	112	Quick Connect Socket	17-0004	1	1	
32	Sheave	10-0043	1	1	71	Clamp	42-0011	2	2	113	Gun/Lance Assembly (Inc. 114-119)	851-0309	1	1	
33	Belt	11-0054	2	2	72	Elbow	23-0053	1	1	114	Quick Connect Plug	17-0005	1	1	
34	Bushing	9-0005	1	1	73	Bolt	27-0074	2	2	115	Gun	16-0343	1	1	
35	Bolt	27-0015	4	4	74	Manifold Block	51-0020	1	1	116	Grip Handle	7-0002	1	1	
36	Beltguard Cover Assembly (Inc. 37-45)	851-0311	1	1	75	Quick Connect Socket	17-0042	1	1	117	Lance	16-0342A01	1	1	
37	Edging *(Four Feet Required)	33-0020	1	1	76	O-ring (Replacement Only)	25-0123	-	-	118	Decal- Warning: Risk of Injection (E/S)	34-1253	1	1	
38	Beltguard Cover (See 851-0311)	N/A Sep.	1	1	77	Nipple	24-0010	1	1	119	Quick Connect	17-0036	1	1	
39	Decal- Operating Instructions (E/S)	34-0813	1	1	78	Heat Shrink Tubing *(One Foot Required)	33-0272	1	1	120	O-ring (Replacement Only)	25-0122	-	-	
40	Fastener	33-0197	1	1	79	Safety Valve	22-0319	1	1	*Must Order in One Foot Lengths					

FRAME ASSEMBLY FOR CWC-5004-1MGH/1MGV

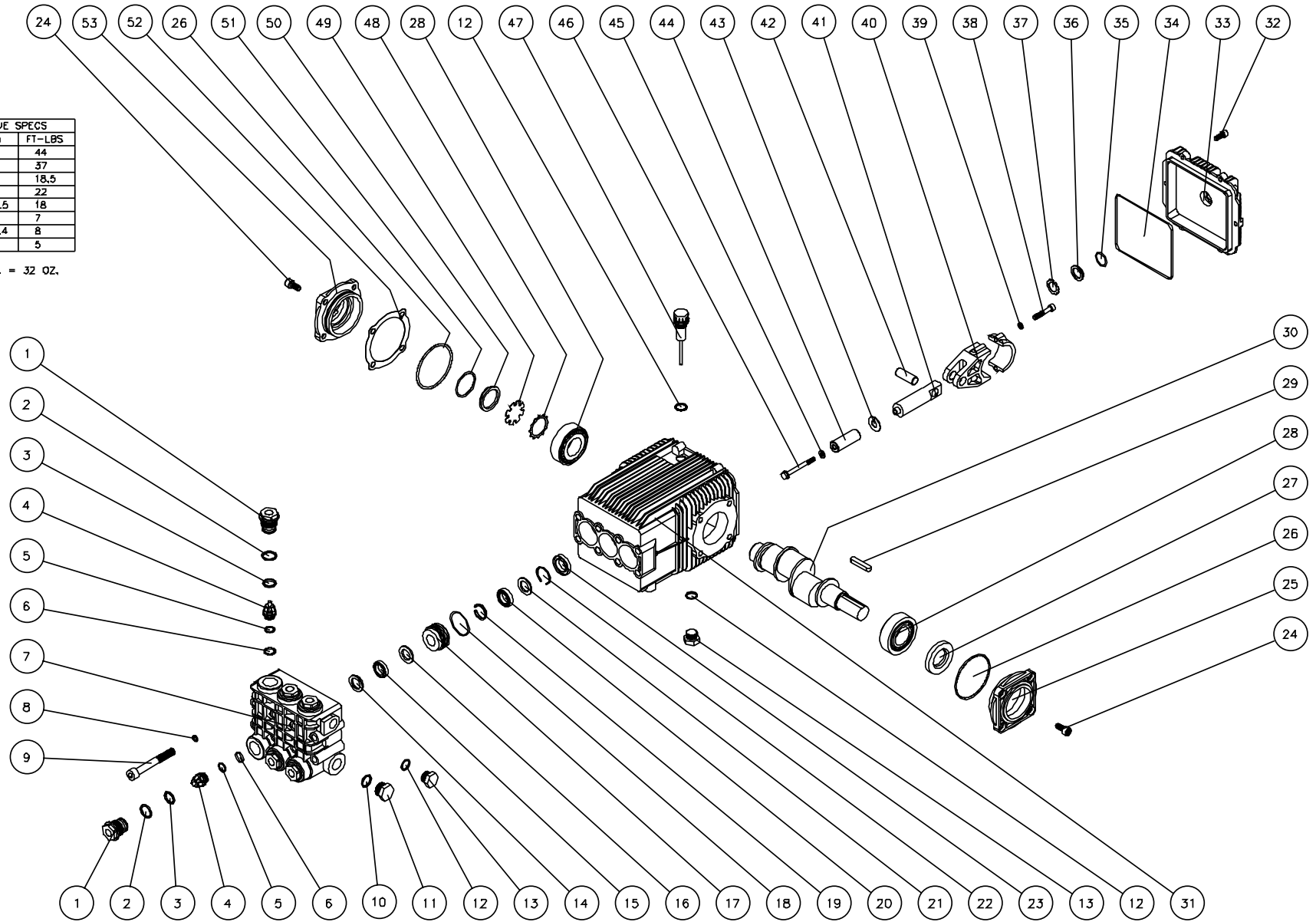


FRAME ASSEMBLY FOR CWC-5004-1MGH/1MGV														
REF. #	DESCRIPTION	PART #	QTY. 1MGH	QTY. 1MGV	REF. #	DESCRIPTION	PART #	QTY. 1MGH	QTY. 1MGV	REF. #	DESCRIPTION	PART #	QTY. 1MGH	QTY. 1MGV
1	Grommet	33-0002	2	2	41	Decal- Warning: Muffler Hot (E/S)	34-0598	1	1	80	High Pressure Cross-Over Hose	15-0177	1	1
2	Frame Assembly	5-0136A01	1	1	42	Decal- Die Cut Nozzles	34-0500	1	1	81	Nipple	24-0002	1	1
3	Wheel	14-0006	4	4	43	Grommet	33-0001	5	5	82	Tee	24-0026	1	1
4	Jamnut	30-0117	4	4	44	Decal- Mi-T-M Stripe	34-0501	1	1	83	Plug	39-0017	1	1
5	Bolt	27-0016	3	3	45	Mi-T-M Logo	62-0086	1	1	84	Unloader	8-0522	1	1
6	Washer	28-0021	6	6	46	Decal- Die Cut 5004	34-0834	1	1	85	Bushing	23-0016	1	1
7	Support Bracket	13-0120A01	1	1	47	Spray Nozzle- 00035	18-0257	1	1	86	Barb	23-0105	1	1
8	Nut	30-0155	3	3	-	Spray Nozzle- 15035	18-0258	1	1	87	Branch Tee	23-0117	1	1
9	Decal- Data Plate	N/A	1	1	-	Spray Nozzle- 25035	18-0259	1	1	88	Elbow	23-0324	1	1
10	Battery Box	33-0092	1	1	-	Spray Nozzle- 40035	18-0260	1	1	89	Easy Start Valve	22-0242	1	1
11	Nut	30-0157	16	16	48	Bushing	9-0017	1	1	90	Hose Barb	15-0140	1	1
12	Washer	28-0003	24	28	49	Sheave	10-0037	1	1	91	Strainer Assembly (Inc. 92-95, 97, 98)	19-0057	1	1
13	Battery Retainer	20-0264A01	1	1	50	Bolt	27-0067	6	6	92	Strainer Cap	19-0058	1	1
14	Bolt	27-0066	4	4	51	Thermal Valve	22-0005	1	1	93	Strainer Gasket	26-0160	1	1
15	Battery Cable *(Four Feet Required) Pos.=22" Neg.=16"	32-0065	1	1	52	Key w/Pump	43-0028	1	1	94	Strainer Screen	19-0059	1	1
16	Battery Cable Cover	33-0004	1	1	53	Pump	3-0213	1	1	95	Strainer Bowl	19-0060	1	1
17	Terminal Ring	32-0097	4	4	54	Locknut	30-0161	4	4	96	Bracket	20-0428A01	1	1
18	Tag- Battery	34-0096	1	1	55	Washer	28-0030	8	8	97	Garden Hose Swivel	23-0095	1	1
19	Decal- Caution: Disconnect Battery (E/S)	34-0848	1	1	56	Pump Bracket	5-0101A01	1	1	98	Garden Hose Gasket	26-0001	1	1
20	Battery	32-0058	1	1	57	Washer w/Pump	29-0055	4	4	99	Tag- Water Inlet Supply	34-0097	1	1
21	Bolt	27-0071	4	4	58	Bolt w/Pump	27-8471	4	4	100	Fuel Tank Assembly (Inc. 101, 102)	851-0319	1	1
22	Shim	33-0169	4	-	59	Bolt	27-0118	2	2	101	Decal- Caution: Gas Only (E/S)	34-0835	1	1
23	Fuel Line *(Four Feet Required)	15-0031	1	-	60	Brace Tightner	13-0003A01	1	1	102	Fuel Tank (See 851-0319)	N/A Sep.	1	1
-	Fuel Line *(Three Feet Required)	15-0031	-	1	61	Bolt	27-0167	4	4	103	Fuel Cap w/Guage	12-0061	1	1
24	Hose Clamp	42-0004	2	2	62	Locknut	30-0159	2	2	104	Fuel Pick-up	33-0271	1	1
25	Motor Assembly	851-0307	1	-	63	Washer	28-0023	3	3	105	Quick Connect Plug	17-0038	1	1
-	Motor Assembly	851-0318	-	1	64	Bolt	27-0576	1	1	106	Quick Connect Socket	17-0018	1	1
26	Key	43-0078	1	1	65	Branch Tee	23-0235	1	1	107	Washer	28-0022	4	4
27	Beltguard Back Assembly (Inc. 28-31)	851-0310	1	1	66	Elbow	23-0037	1	1	108	Bolt	27-9524	4	4
28	Decal- Warning/Caution (E/S)	34-0812	1	1	67	Clamp	42-0003	2	2	109	Pressure Hose Assembly (Inc. 110-112)	851-0317	1	1
29	Beltguard Back (See 851-0310)	N/A Sep.	1	1	68	Hose *(Two Feet Required)	15-0033	1	1	110	Quick Connect Plug	17-0006	1	1
30	Edging *(Two Feet Required)	33-0020	1	1	69	Elbow	24-0092	1	1	111	Pressure Hose	15-0178	1	1
31	Decal- Warning: Beltguard (E/S)	34-0826	1	1	70	Hose *(Three Feet Required)	15-0007	1	1	112	Quick Connect Socket	17-0041	1	1
32	Sheave	10-0118	1	1	71	Clamp	42-0011	2	2	113	Gun/Lance Assembly (Inc. 114-119)	851-0309	1	1
33	Belt	11-0055	2	2	72	Elbow	23-0053	1	1	114	Quick Connect Plug	17-0005	1	1
34	Bushing	9-0005	1	1	73	Bolt	27-0074	2	2	115	Gun	16-0343	1	1
35	Bolt	27-0015	4	4	74	Manifold Block	51-0020	1	1	116	Grip Handle	7-0002	1	1
36	Beltguard Cover Assembly (Inc. 37-45)	851-0311	1	1	75	Quick Connect Socket	17-0042	1	1	117	Lance	16-0342A01	1	1
37	Edging *(Four Feet Required)	33-0020	1	1	76	O-ring (Replacement Only)	25-0123	-	-	118	Decal- Warning: Risk of Injection (English Only)	34-0572	1	1
38	Beltguard Cover (See 851-0311)	N/A Sep.	1	1	77	Nipple	24-0010	1	1	119	Quick Connect	17-0036	1	1
39	Decal- Operating Instructions (E/S)	34-0813	1	1	78	Heat Shrink Tubing *(One Foot Required)	33-0272	1	1	120	O-ring (Replacement Only)	25-0122	-	-
40	Fastener	33-0197	1	1	79	Safety Valve	22-0319	1	1	*Must Order in One Foot Lengths				

PUMP ASSEMBLY (3-0212 AND 3-0213)

TORQUE SPECS		
REF	Nm	FT-LBS
1	60	44
9	50	37
11	25	18.5
13	30	22
24	24.5	18
32	10	7
38	10.4	8
46	7	5

OIL CAP. = 32 OZ.

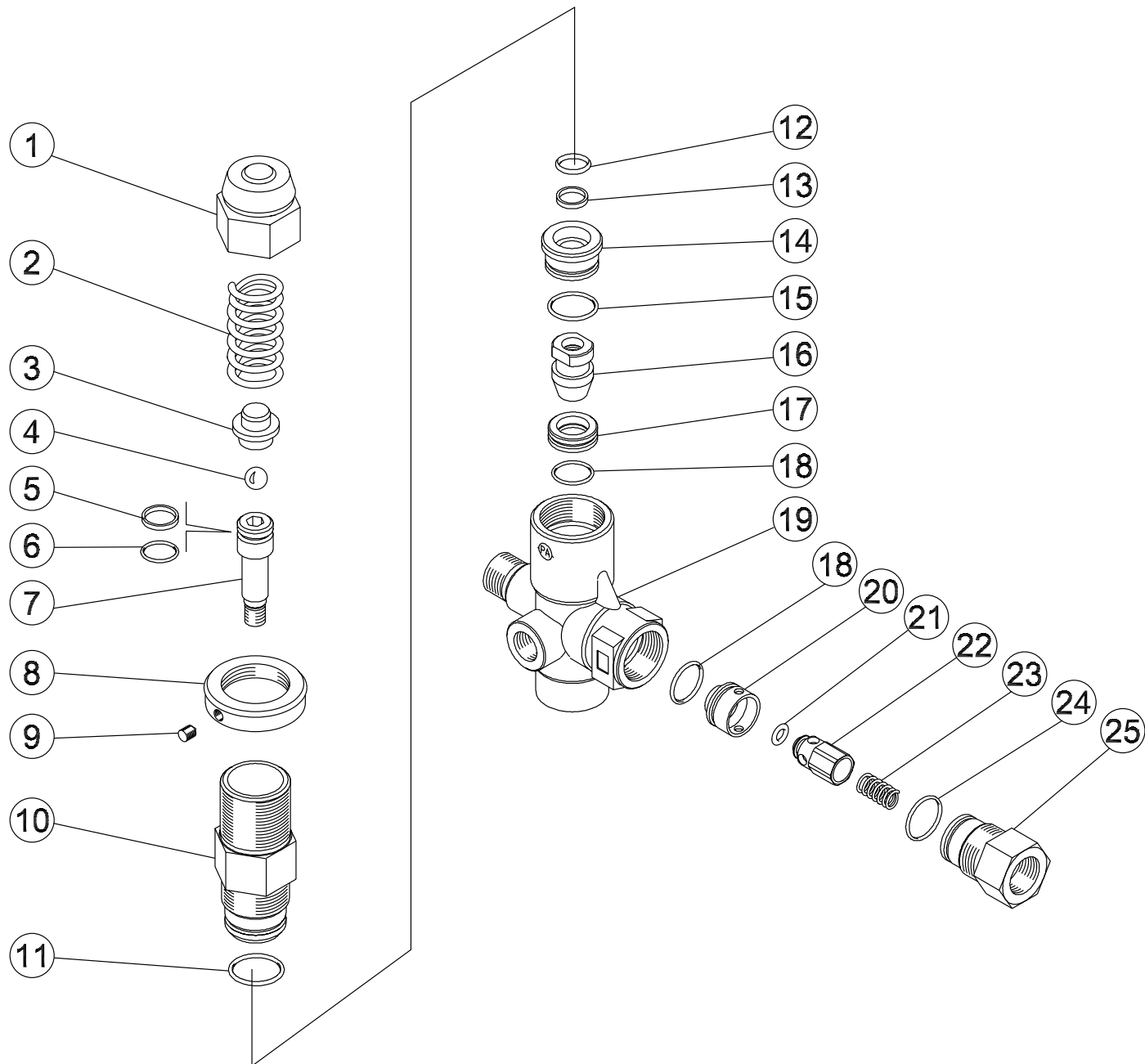


3-0212 & 3-0213-040901-EDW

PUMP ASSEMBLY (3-0212 AND 3-0213)

REF. #	DESCRIPTION	PART #	QTY.	REF. #	DESCRIPTION	PART #	QTY.	REF. #	DESCRIPTION	PART #	QTY.
1	Valve Cap	39-0201	6	20	Low Pressure Seal (See 70-0317)	N/A Sep.	3	38	Screw	N/A	6
2	Back-Up Ring	25-0509	6	21	Spacer	46-0907	3	39	Lockwasher	N/A	6
3	O-Ring	25-0386	6	22	Snap-Ring	46-0908	3	40	Connecting Rod	46-0913	3
4	Valve w/O-ring (See 70-0314)	N/A Sep.	6	23	Oil Seal	26-0242	3	41	Plunger Rod	46-0915	3
5	Back-Up Ring	25-0516	6	24	Screw	27-8884	8	42	Connecting Rod Pin	46-0914	3
6	O-ring	25-0515	6	25	Shaft Cover	N/A	1	43	Slinger Washer	46-0916	3
7	Manifold Pump	46-0900	1	26	O-ring	25-0512	2	44	Piston	46-0917	3
8	Lockwasher	29-0155	8	27	Oil Seal	26-0243	1	45	Washer	28-1041	3
9	Screw	27-8470	8	28	Bearing	48-0073	2	46	Screw	27-8965	3
10	O-ring	25-0372	1	29	Key	43-0091	1	47	Oil Dipstick	39-0204	1
11	Plug	39-0202	1	30	Crankshaft (Pump 3-0212)	N/A	1	48	Spring Retainer	46-0924	1
12	O-ring	25-0510	3	-	Crankshaft (Pump 3-0213)	N/A	1	49	Reflector Pump	46-0925	1
13	Plug	39-0203	2	31	Crankcase	46-0911	1	50	Oil Sight	46-0926	1
14	Support Ring (See 70-0317)	N/A Sep.	3	32	Screw	27-8888	6	51	O-ring	25-0514	1
15	High Pressure Seal (See 70-0317)	N/A Sep.	3	33	Crankcase Cover (Inc. 35-37)	46-0912	1	52	Shim	46-0947	1
16	Low Pressure Seal (See 70-0317)	N/A Sep.	3	34	O-ring	25-0513	1	53	Support Bearing Cover (Inc. 48-51)	46-0918	1
17	Piston Guide	46-0904	3	35	O-ring	25-0370	1		Valve Kit (Inc. 6 each 4-6)	70-0314	1
18	O-ring (See 70-0317)	N/A Sep.	3	36	Oil Sight Glass	46-0670	1		Oil Seals Kit (Inc. 14-16, 18-20)	70-0317	1
19	Back-Up Ring (See 70-0317)	N/A Sep.	3	37	Spring Retainer	46-0671	1				

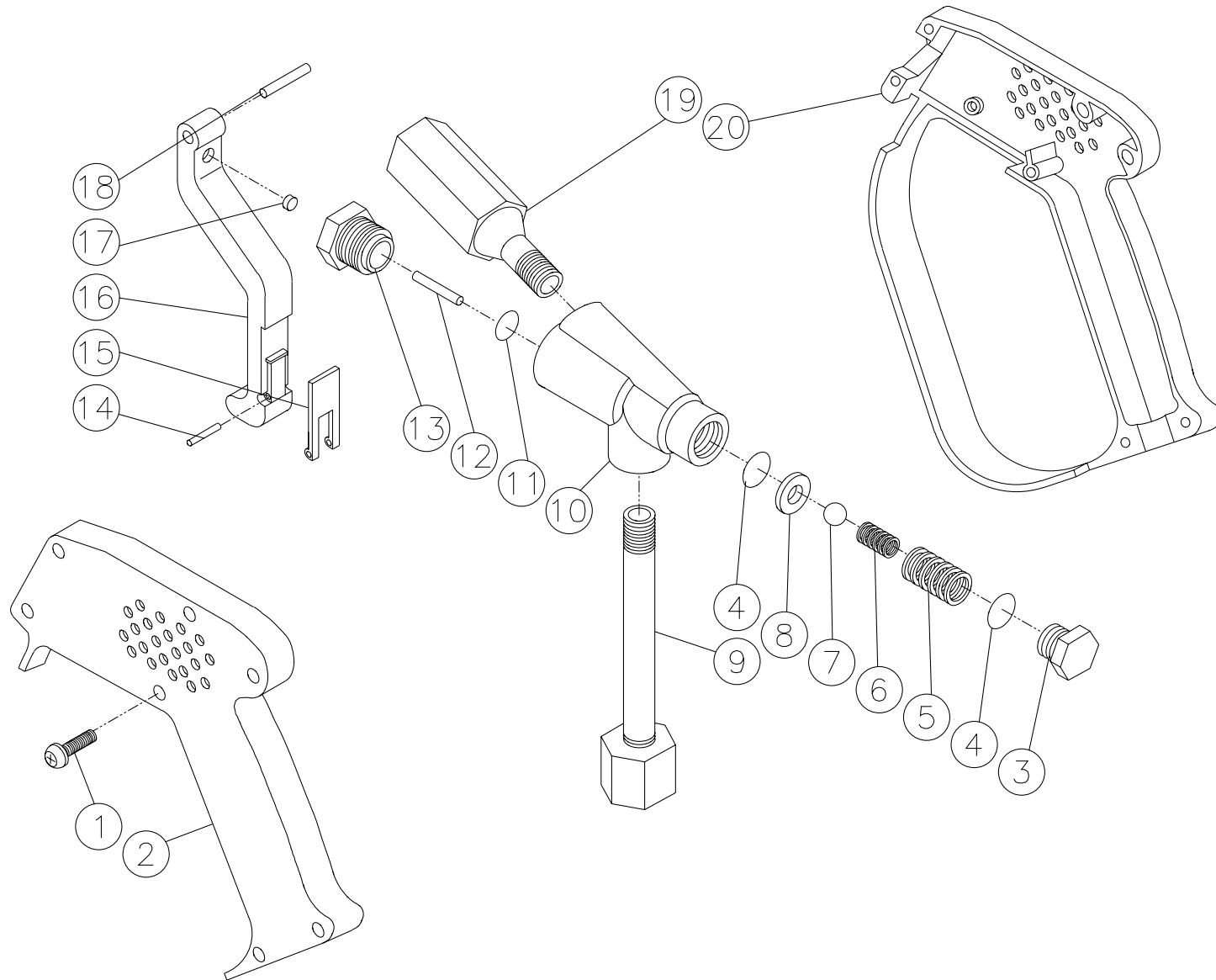
UNLOADER ASSEMBLY (8-0522)



UNLOADER ASSEMBLY (8-0522)

REF. #	DESCRIPTION	PART #	QTY.		REF. #	DESCRIPTION	PART #	QTY.
1	Brass Cap	8-0534	1		15	O-ring	25-0368	1
2	Spring	49-0149	1		16	Shutter	8-0540	1
3	Spring Guide	8-0535	1		17	Seat	8-0541	1
4	Ball	8-0318	1		18	O-ring	25-0220	2
5	Back-up Ring (See 70-0342)	N/A Sep.	1		19	Valve Body	8-0542	1
6	O-ring (See 70-0342)	N/A Sep.	1		20	Check Valve Seat	8-0543	1
7	Piston	8-0536	1		21	O-ring	25-0369	1
8	Lock Ring	8-0537	1		22	Check Valve	8-0486	1
9	Set Screw	8-0408	1		23	Spring	49-0150	1
10	Piston Housing	8-0538	1		24	O-ring	25-0325	1
11	O-ring	25-0189	1		25	Nipple	8-0485	1
12	Back-up Ring (See 70-0343)	N/A Sep.	1			Upper Seal Kit (Inc. 5, 6)	70-0342	1
13	O-ring (See 70-0343)	N/A Sep.	1			Lower Seal Kit (Inc. 12, 13)	70-0343	1
14	Spacer	8-0539	1					

GUN ASSEMBLY (16-0343)

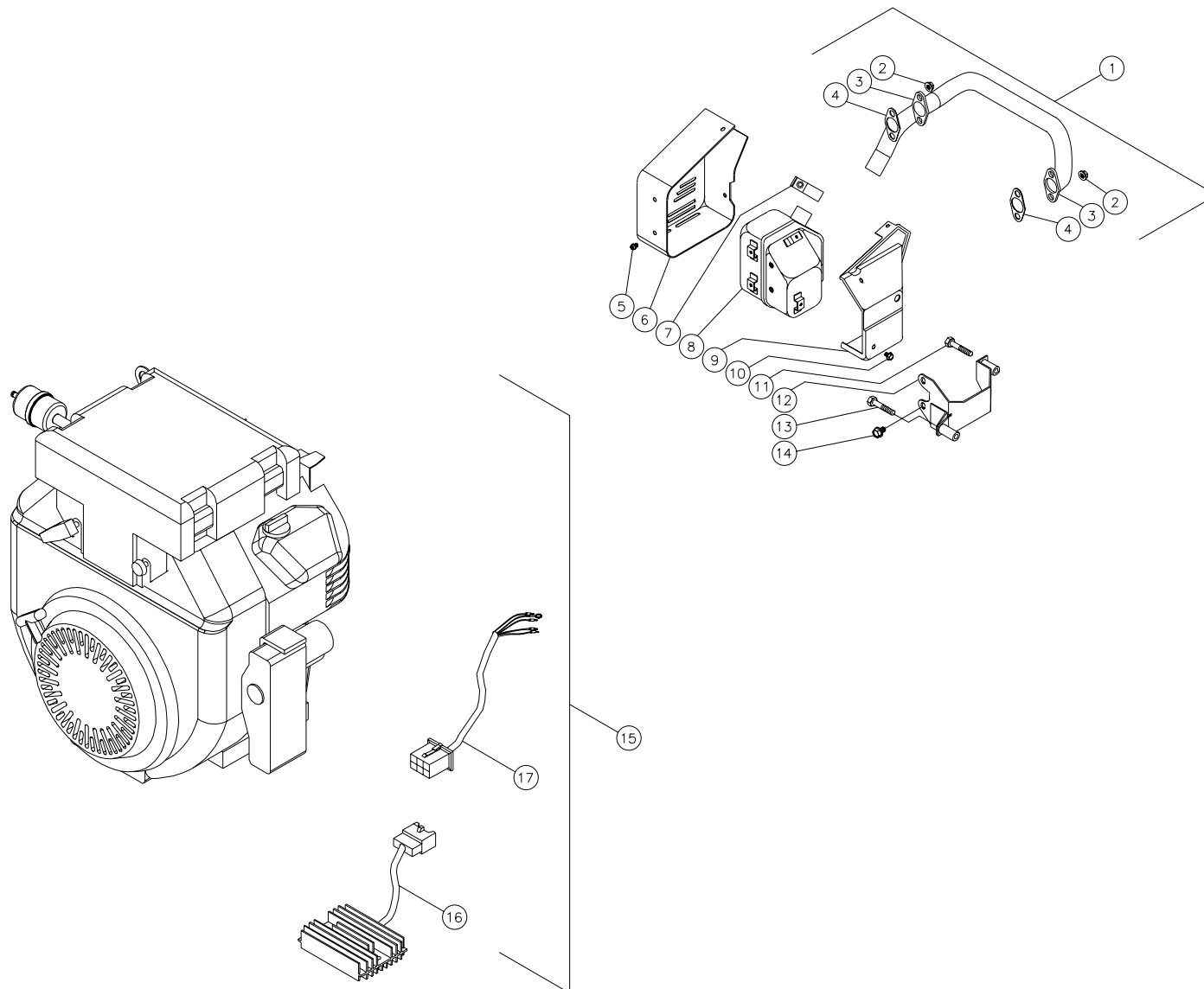


16-0343-042800-RD

GUN ASSEMBLY (16-0343)

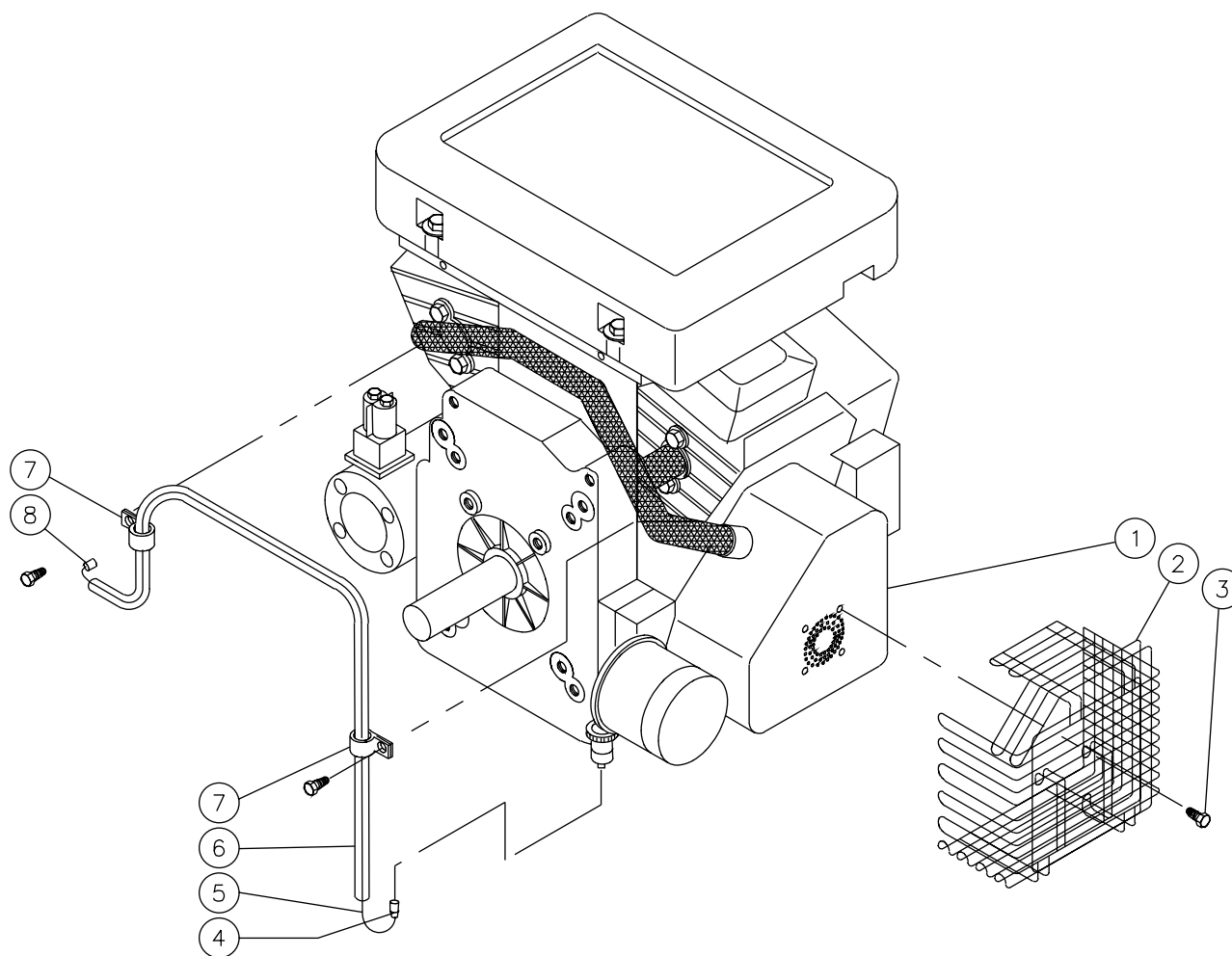
REF. #	DESCRIPTION	PART #	QTY.		REF. #	DESCRIPTION	PART #	QTY.
1	Screw	27-8851	7		12	Control Pin (See 70-0213)	N/A Sep.	1
2	Housing- Left Side	16-0344	1		13	Guide Sleeve	16-0048	1
3	Cap	23-0336	1		14	Lock Pin	43-0025	1
4	O-ring (See 70-0213)	N/A Sep.	2		15	Safety Lock	16-0347	1
5	Spring (See 70-0213)	N/A Sep.	1		16	Trigger	16-0348	1
6	Valve Spring (See 70-0213)	N/A Sep.	1		17	Cam Trigger (See 70-0213)	N/A Sep.	1
7	Valve Ball (See 70-0213)	N/A Sep.	1		18	Pin	43-0024	1
8	Valve Seat (See 70-0213)	N/A Sep.	1		19	Discharge Tube Assembly	16-0349	1
9	Inlet Tube Assembly	16-0345	1		20	Housing- Right Side	16-0350	1
10	Valve Body	16-0346	1			Repair Kit (Inc. 4-8, 11, 12, 17)	70-0213	
11	O-ring (See 70-0213)	N/A Sep.	1					

HONDA ENGINE ASSEMBLY (851-0307)



HONDA ENGINE ASSEMBLY (851-0307)			
REF. #	DESCRIPTION	PART #	QTY.
1	Muffler Assembly (Inc. 2-14)	45-0078	1
2	Flange Nut (See 1-0102)	N/A Sep.	4
3	Exhaust Pipe - Oil Filter Side (See 45-0078)	N/A Sep.	1
4	Exhaust Gasket (See 1-0102)	N/A Sep.	2
5	Screw (See 45-0078)	N/A Sep.	4
6	Outer Muffler Protector (See 45-0078)	N/A Sep.	1
7	Exhaust Pipe Band (See 45-0078)	N/A Sep.	1
8	Muffler (See 45-0078)	N/A Sep.	1
9	Inner Muffler Protector (See 45-0078)	N/A Sep.	1
10	Flange Bolt (See 45-0078)	N/A Sep.	3
11	Flange Bolt (See 45-0078)	N/A Sep.	1
12	Muffler Stay (See 45-0078)	N/A Sep.	1
13	Flange Bolt (See 45-0078)	N/A Sep.	1
14	Flange Bolt (See 45-0078)	N/A Sep.	2
15	Engine-20 HP (Inc. 16-17)	1-0102	1
16	Bolt (See 1-0102)	N/A Sep.	1
17	Air Filter Cover (See 1-0102)	N/A Sep.	1

VANGUARD ENGINE ASSEMBLY (851-0318)



851-0318-051099-DCE

VANGUARD ENGINE ASSEMBLY (851-0318)			
REF. #	DESCRIPTION	PART #	QTY.
1	Engine-20.0 HP Vanguard	N/A Sep.	1
2	Muffler Guard	6-0065	1
3	Screw	27-3062	4
4	Terminal	32-0221	1
5	Wire *(Three Feet Required)	32-0092	1
6	Hose *(Two Feet Required)	15-0021	1
7	Clip	43-0003	2
8	Terminal Ring	32-0099	1

