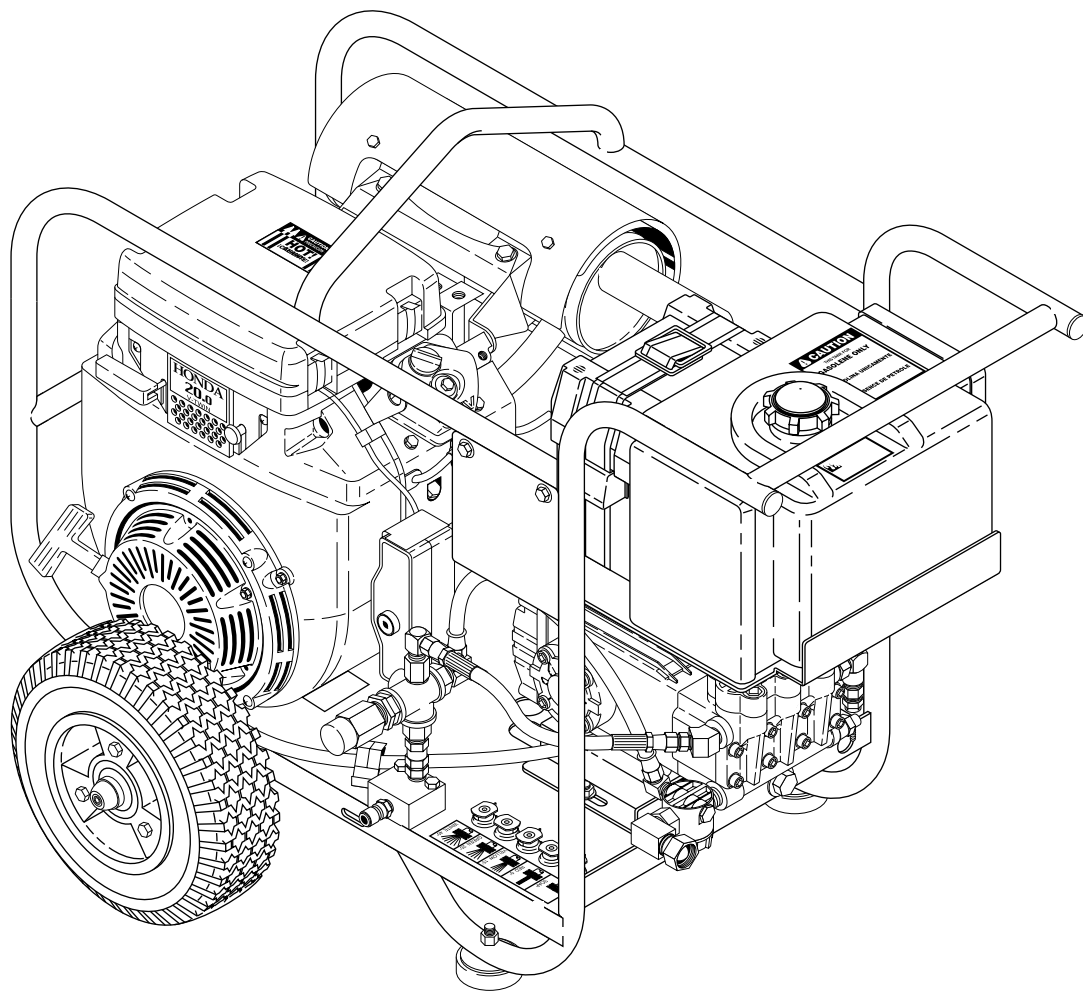




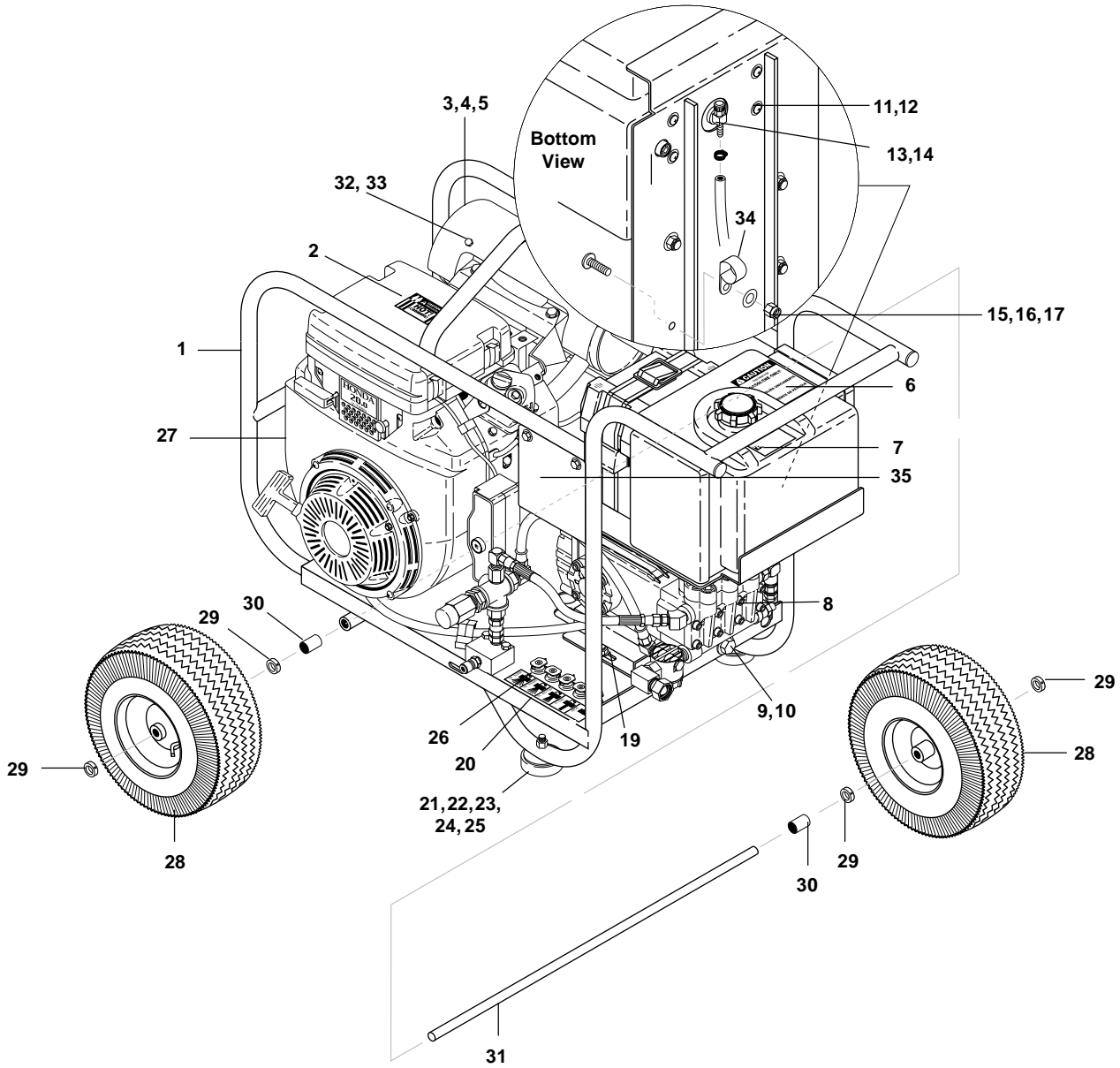
# MODEL: BR

## OPERATING INSTRUCTION AND PARTS MANUAL

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- |             |             |             |              |              |
|-------------|-------------|-------------|--------------|--------------|
| ■ BR-353031 | ■ BR-353037 | ■ BR-353531 | ■ BR-353537  | ■ BR-304031  |
| ■ BR-304037 | ■ BR-404021 | ■ BR-404027 | ■ BR-505031E | ■ BR-505037E |
- 



**MACHINE ASSEMBLY**  
**SIDE VIEW**

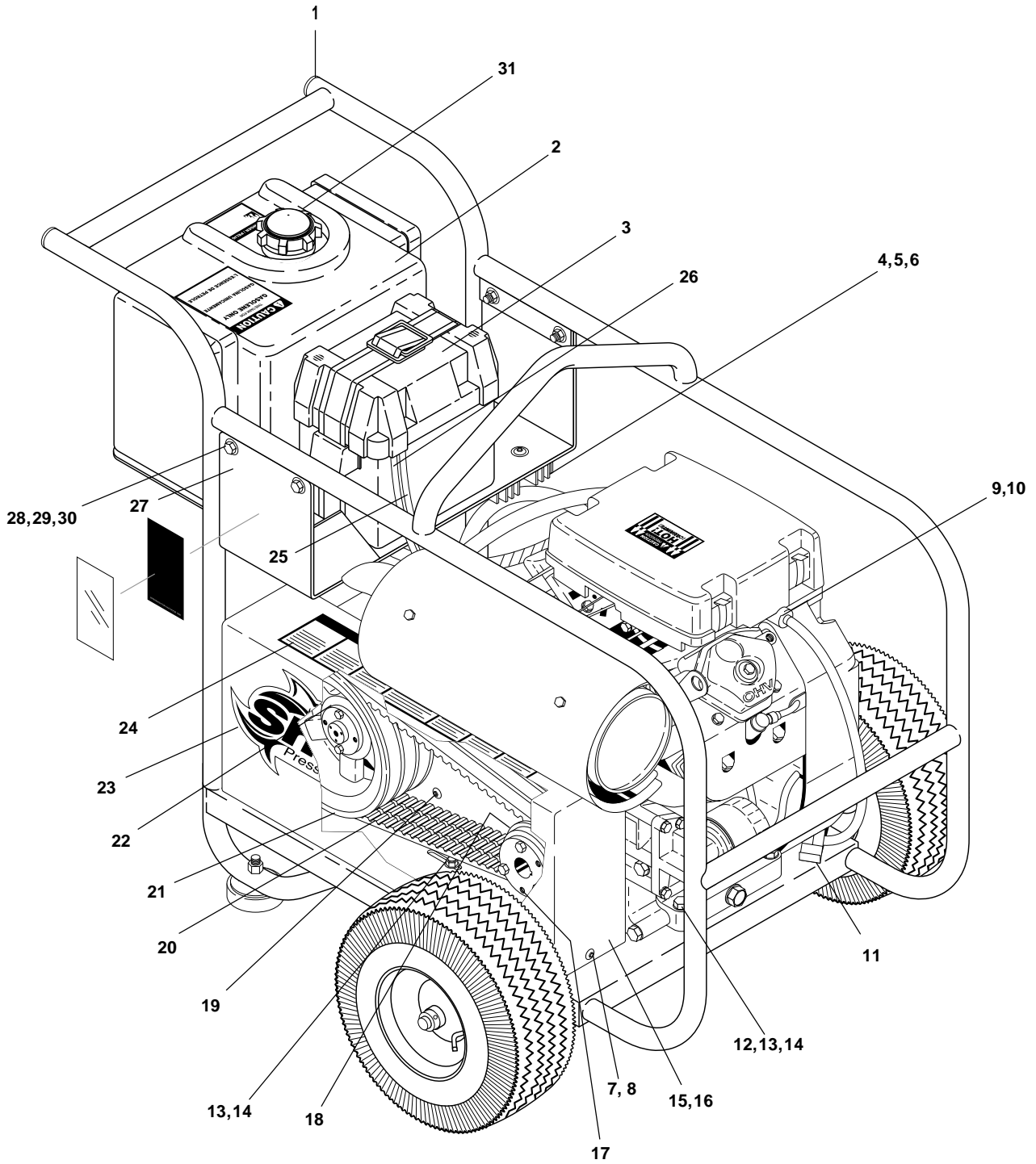


## MACHINE ASSEMBLY SIDE VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY.	ITEM	PART NO.	DESCRIPTION	QTY.
1	95-07104020	Frame, Welded Cage Assy 16/20/24 HP (4040, 5050)	1	16	90-4001	Washer, 5/16", Flat, SAE	4
	95-07104003	Frame, Welded Cage Assy 11/13 HP (3040, 3530, 3535)	1	17	90-2001	Nut, 5/16" ESNA, NC	4
2	10-02025A	Label, "Hot/Caliente" Warning	1	18	2-00471	▲ Plug, 1/8" Square Head, Black	1
3	77-VHLM4	Muffler, Honda GX620 20 & 24 HP (5050)	1	19	95-07104037	Slider, Pump/Guard Legacy (353037, 353537, 304037)	1
	76-807964	Muffler, Briggs 16 HP (4040)	1		95-07104035	Slider, Pump/Guard General (353031, 353531, 304031)	1
4	7-01434	Insulation, Muffler Guard (5050)	1		95-07104039	Slider, Pump/Guard Legacy (404027, 505037)	1
5	95-07104029	Shield, Heat, Muffler Guard, Honda 20/24 HP (5050)	1		95-07104023	Slider, Pump/Guard General (404021, 505031)	1
	95-07101214	Shield, Heat, Muffler Guard, Vanguard 16 HP (4040)	1	20	11-3218	Label, Nozzle	1
6	10-02011	Label, Gasoline Only	1	21	2-01041	Pad, Soft Rubber, 50 Duro	2
7	10-02029	Label, Danger Cool Engine	1	22	90-1021	Bolt, 3/8" x 2-1/2", NC HH	2
8	5-1660	Pump, Legacy TT-3540 (353037, 353537)	1	23	90-40125	Washer, 3/8" x 1" Steel	2
	5-1665	Pump, Legacy KT-4040 (304037, 404027)	1	24	90-4002	Washer, 3/8", Flat, SAE	2
	5-1668	Pump, Legacy HDL-5050 (505037)	1	25	90-2002	Nut, 3/8" ESNA, NC	2
	5-23040	Pump, General, TS-1011 (353031, 353531)	1	26	2-0103	Grommet, Rubber, Nozzle Holder	5
	5-2320	Pump, General, T-9281 (304031, 404021)	1	27	5-0105	Engine, Honda, 11 HP (3530)	1
	5-2331	Pump, General, T-5050 (505031)	1		5-010721	Engine, Honda, 13 HP (3040, 3535)	1
9	90-102751	Bolt, 1/2" x 3-1/2", NC HH (3530, 3535, 3040)	1		5-0306	Engine, Vanguard 16 HP Pull Start (4040)	1
	90-102746	Bolt, 1/2" x 5", Tap (4040, 5050)	1		5-01094	Engine, Honda 24 HP E/S (5050)	1
10	90-3096	Washer, 1/2", Flat	1	28	4-0302	Wheel & Tire Compl. 6" Mag	2
11	90-18012	Screw, 1/4" x 5/8", PHIC PH MS	4	29	90-20041	Collar, 5/8"	4
12	90-4011	Washer, 5/16", Star, External	4	30	90-40181	Washer, Nylon Spacer, 0.656"	2
13	7-80320	Shut Off Valve, Fuel Tank	1		90-40181	Washer, Nylon (4050)	1
14	2-010061	Grommet, Fuel Tank	1	31	95-07104723	Axle, 5/8" x 27.80"L	1
15	90-100543	Screw, 5/16"-18 x 3/4" MPH TRH	4	32	90-19925	Screw, M6 x 20mm, BH, SOC, Blk	4
				33	90-40001	Washer, 1/4", Flat, SAE, Black	4
				34	2-9016	▲ Clamp, Round, 0.56" ID	1
				35	11-0316	Label, Instructions	1

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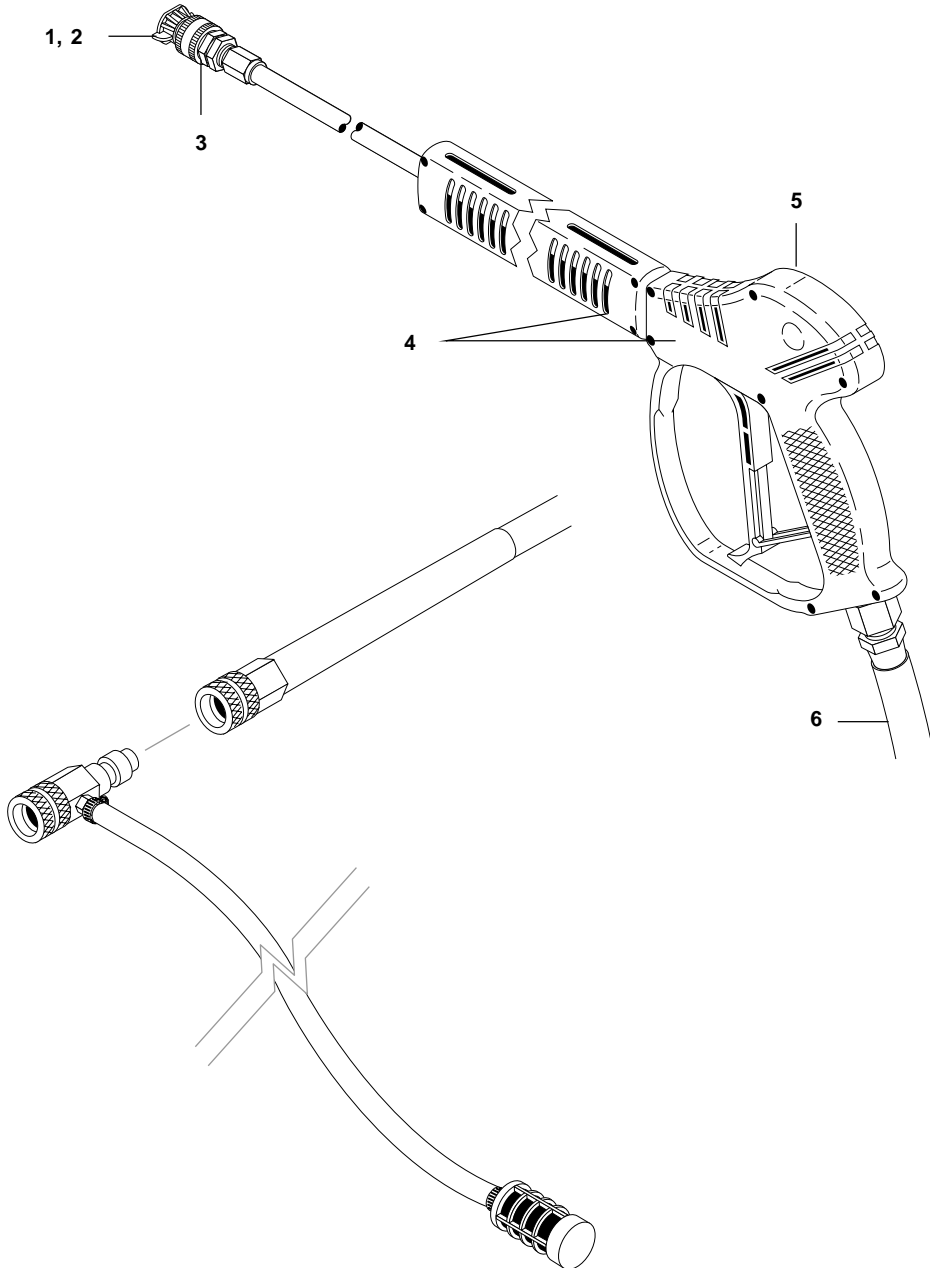
**MACHINE ASSEMBLY**  
**SIDE VIEW**



## MACHINE ASSEMBLY SIDE VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY.	ITEM	PART NO.	DESCRIPTION	QTY.
1	2-01443	Plug, Plastic, 1-1/4"	2	19	90-1995	Screw, 1/4" x 1/2", BH SOC CC (Large Frame)	2
2	2-011507	Tank, Encore, 5 Gal. Fuel (5050)	1	20	5-604042	Belt, BX42 (505037)	3
3	2-0117	Battery Box (5050)	1		5-604042	Belt, BX42 (404027)	2
	2-011700	▲ Plate, Battery Box, Small (5050)	1		5-604041	Belt, BX41 (505031)	3
4	77-31620-ZG5-003	Rectifier 18 Amp (5050)	1		5-602037	Belt, AX37 (304031, 353031, 353037, 353531, 353537)	2
5	90-19980	Screw, 1/4" x 1" BH SOC CS (5050)	2		5-602038	Belt, AX38 (304037)	2
6	90-2000	Nut, 1/4" ESNA, NC (5050)	2		5-604040	Belt, BX40 (404021)	2
7	90-1995	Screw, 1/4" x 1/2", BH, SOC, Blk (Large Frame)	5	21	5-40207401	Pulley, 2AK 74H ((304031, 353031, 353037, 353531, 353537)	1
8	90-40001	Washer, 1/4", Flat, SAE, Black	5		5-40208401	Pulley, 2AK 84H (304037)	1
9	2-9040	Clamp, Hose, UNI .46 - .54 ST	2		5-40508001	Pulley, 2BK 80H (404027)	1
10	4-02100000	Hose, 1/4", Push-On, Fuel Line	4.75 ft		5-41007001	Pulley, 3BK 70H (404021, 505031)	1
11	2-90151	Clamp, Snap-in Wire	2		5-41008001	Pulley, 3BK 80H (505037)	1
12	90-1010	Bolt, 5/16" x 1-3/4", NC HH	4	22	5-512024	Bushing, H x 24MM (353031, 353037, 353531, 353537, 304031, 404021, 505031)	1
13	90-4001	Washer, 5/16", Flat, SAE	8		5-512026	Bushing, H x 30MM (304037, 404027, 505037)	1
14	90-2001	Nut, 5/16" ESNA, NC	4	23	11-013	Shark Logo Large, Red/Blue/White	1
15	95-07104027	Guard, Belt, Front Steel (4040, 5050)	1	24	11-0101	Label, Warning, Pictorial (4040, 5050)	1
	2-0117200	Belt Guard, Plastic (3040, 3530, 3535)	1		11-01011	Label, Warning (3040, 3530, 3535)	1
16	95-07104028	Guard, Belt, Rear Steel (404021, 505031)	1	25	6-05109	Cable, Battery, 32" Red (5050)	1
	95-07104036	Guard, Belt, Rear, SQ (404027, 505037)	1	26	6-051092	Cable, Battery, 36" Black (5050)	1
17	5-511100	Bushing, H x 1" (3040, 3530, 3535, 4040)	1	27	95-071040261	Weldment, BRKT, Battery, Red (5050)	1
	5-531113	Bushing, P2 x 1-1/8" (505031, 505037)	1	28	90-1007	Bolt, 5/16" x 1" NC HH (5050)	4
18	5-407034	Pulley, 3TB34 (505037)	1	29	90-4001	Washer, 5/16", Flat, SAE (5050)	8
	5-407036	Pulley, 3TB36 (505031)	1	30	90-2001	Nut, 5/16" ESNA, NC (5050)	4
	5-40203001	Pulley 2AK 30H (353031, 353037, 304031, 304037)	1	31	2-01167	Cap, Fuel Tank, Plastic (5050)	1
	5-40203201	Pulley 2AK 32H (353531, 353537)	1			▲ Not Shown	
	5-40503601	Pulley, 2BK 36H (404027)	1				
	5-40504001	Pulley, 2BK 40H (404021)	1				

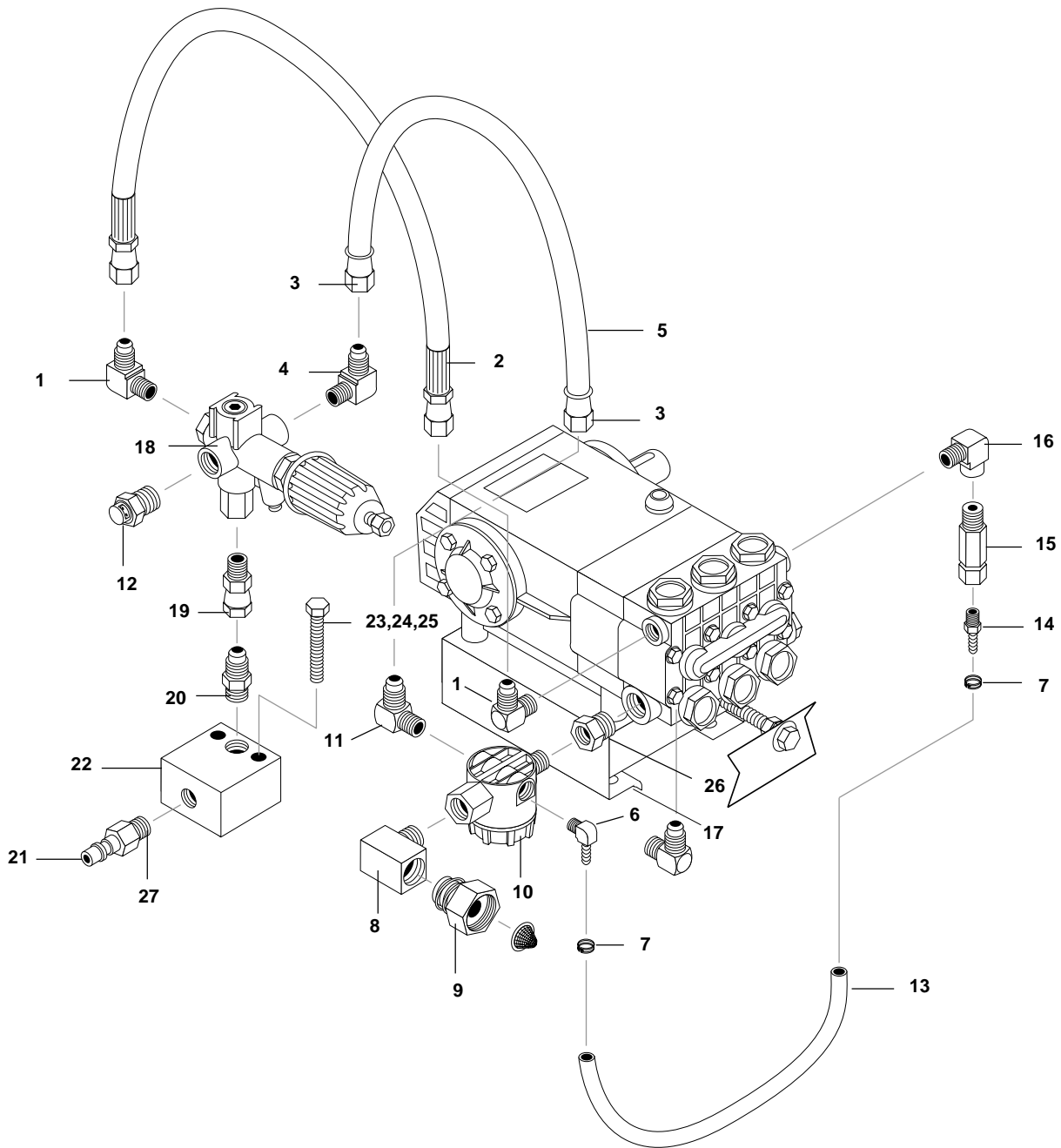
**TRIGGER GUN/WAND ASSEMBLY**



## TRIGGER GUN/WAND ASSEMBLY PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY.	ITEM	PART NO.	DESCRIPTION	QTY.
1	4-16540	Nozzle, Compl. 6540, Black	1	2	4-12804540	Nozzle, SAQCMEG 40045, White (505031, 505037)	1
2	4-12803000	Nozzle, SAQCMEG 0003, Red (304031, 304037)	1	3	2-2001	Coupler, 1/4" Male, Brass	1
	4-12803015	Nozzle, SAQCMEG 1503, Yellow (304031, 304037)	1	4	4-012192	Spray Gun w/Wand, 5000PSI w/Coupler (505037, 505031)	1
	4-12803025	Nozzle, SAQCMEG 2503, Green (304031, 304037)	1		4-0110410	▲ Wand, Straight, 31.4" w/ Coupler (353037, 353031, 353537, 353531, 304037, 304031, 404027, 404021)	1
	4-12803040	Nozzle, SAQCMEG 4003 White (304031, 304037)	1	5	4-01246	Spray Gun, Shut-Off AP-1000 (353037, 353031, 353537, 353531, 304037, 304031, 404027, 404021)	1
	4-12804000	Nozzle, SAQCMEG 0004, Red (353031, 353037, 353531, 353537, 404021, 404027)	1	6	4-02093450BC	Hose, 3/8" x 50', 2 Wire Red w/Coupler (353037, 353031)	1
	4-12804015	Nozzle, SAQCMEG 1504 Yellow (353031, 353037, 353531, 353537, 404021, 404027)	1		4-02043450F	Hose, 3/8" x 50', 2 Wire, 5800 PSI w/5000 PSI CPL (505037, 505031)	1
	4-12804025	Nozzle, SAQCMEG 2504 Green (353031, 353037, 353531, 353537, 404021, 404027)	1		4-02073450RC	Hose, 3/8" x 50', 2 Wire Blue, 4500 PSI W/Coupler (304031, 304037, 404021, 404027, 353531, 353537)	1
	4-12804040	Nozzle, SAQCMEG 4004 White (353031, 353037, 353531, 353537, 404021, 404027)	1			▲ Not Shown	
	4-12804500	Nozzle, SAQCMEG 0004.5, Red (505031, 505037)	1				
	4-12804515	Nozzle, SAQCMEG 15045 Yellow (505031, 505037)	1				
	4-12804525	Nozzle, SAQCMEG 25045, Green (505031, 505037)	1				

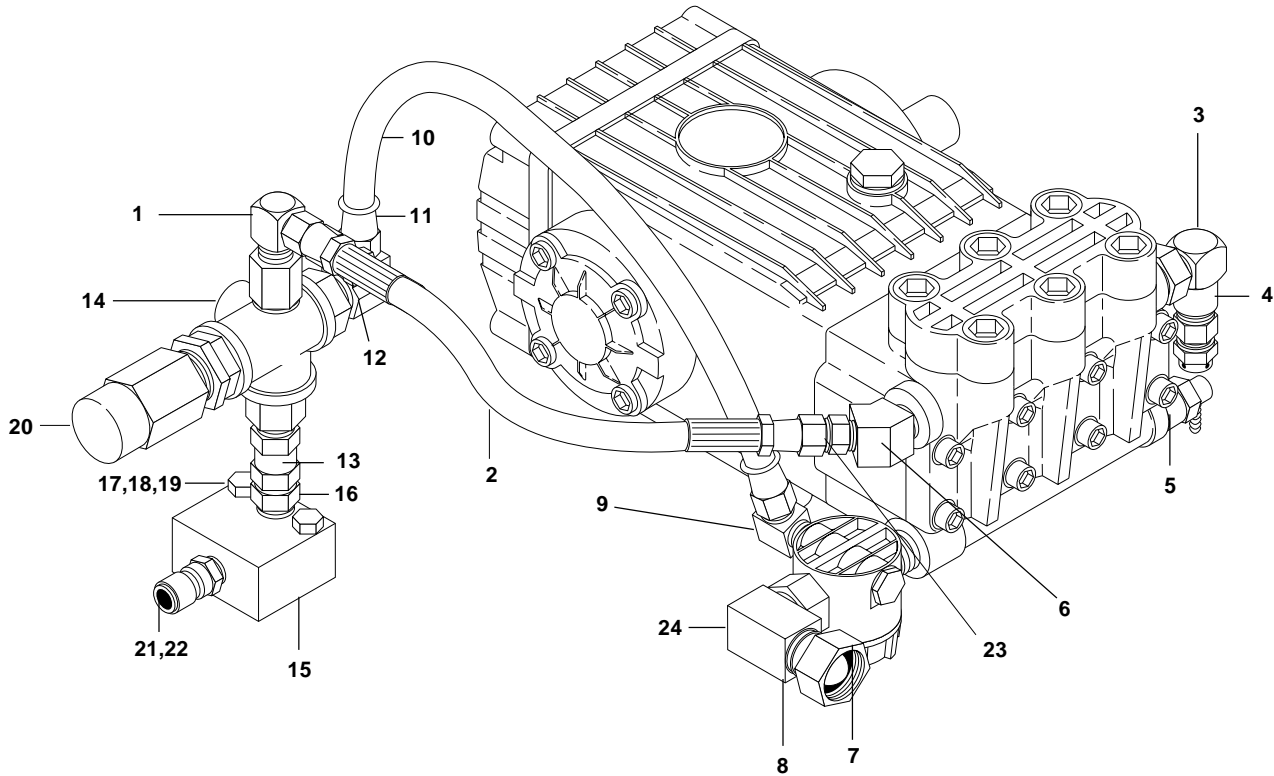
**PUMP ASSEMBLY**  
**3530, 3535, 3040, 4040**



**PUMP ASSEMBLY****PARTS LIST****3530, 3535, 3040, 4040**

<b>ITEM</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>	<b>QTY.</b>	<b>ITEM</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>	<b>QTY.</b>
1	2-0053	Elbow, 1/2" JIC, 3/8", 90°	2	16	2-0031	Elbow, 3/8" Street	1
2	4-02047720	Hose, 3/8" x 20", 2 Wire Pressure Loop	1	17	95-07104037	Slider, Pump/Guard, Legacy (353037, 353537, 304037)	1
3	2-1105	Swivel, 1/2" JIC Fem, Push-On	2		95-07104035	Slider, Pump/Guard, General (353031, 353531, 304031)	1
4	2-1060	Elbow, 1/2" JIC x 3/8", 90°	1	18	5-3207	Unloader, AL-VRT 606 (353031, 353037, 353531, 353537)	1
5	4-02110000	Hose, 1/2", Push-On	1.25 ft		5-3208	Unloader, AL-VRT 607 (304031, 304037, 404021, 404027)	1
6	2-1089	Hose Barb, 1/4" Barb x 1/4" Pipe, 90°	1	19	2-0079	Swivel, 1/2" JIC Fem x 3/8" Male	1
7	2-9040	Clamp, Hose, UNI .46 - .54	2	20	2-0051	Nipple, 1/2" JIC x 3/8" Pipe	1
8	2-1024	Elbow, 1/2" Street, Brass	1	21	2-2007	Nipple, 3/8" x 3/8" NPT ST Male (3040, 3530, 3535, 4040)	1
9	2-10942	Swivel, 1/2" MP x 3/4" GHF w/Strainer	1		2-20022	Nipple, 3/8" Female, 5000 PSI (5050)	1
10	2-1908	Strainer, 1/2" General, Inline	1	22	95-07101216/B	Block, Unloader, 3/8" x 3/8" Brass	1
11	2-1061	Elbow, 1/2" JIC x 1/4", 90°	1	23	90-1010	Bolt, 5/16" x 1-3/4", NC HH	2
12	2-300816	Pump Protector (353031, 304031)	1	24	90-4001	Washer, 5/16", SAE, Flat	2
13	4-02100000	Hose, 1/4", Push-On, Fuel	1 ft.	25	90-20012	Nut, 5/16", Whiz, NC	2
14	2-1084	Hose Barb, 1/4" Barb x 1/8", Male	1	26	2-1081	Bushing, 3/4" x 1/2" (All Legacy Pumps)	1
15	2-3100544	Valve, E-Z Start, 3/8" MPT x 1/8" FPT	1	27	2-0006	Nipple, 3/8" Hex (3040, 4040, 5050)	1

**PUMP ASSEMBLY  
5050E**



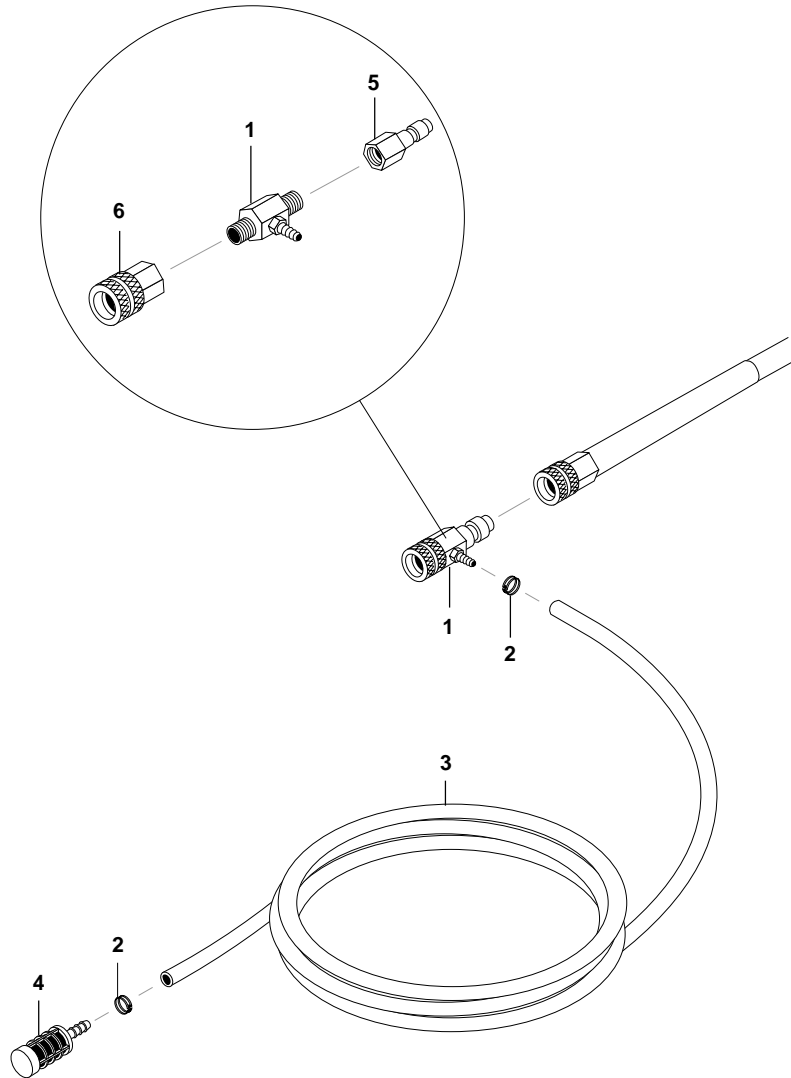
ITEM	PART NO.	DESCRIPTION	QTY.
1	2-00601	Elbow, 1/2" JIC x 3/8" Fem. 90°	1
2	4-02047709	Hose, 3/8" x 8-5/8", 2 Wire Pressure Loop	1
3	2-00271	Elbow, Street, 3/8" x 1/2" Steel	1
4	2-3408	Disk, Rupture Assy, 8000 PSI	1
5	2-30082	Pump Protector, 1/2" PTP	1
6	2-00575	Elbow, 3/8" Steel, Street, 45°	1
7	2-1908	Strainer, 1/2" Inline	1
8	2-10942	Swivel, 1/2" MP x 3/4" GHF w/Strainer	1
9	2-1061	Elbow, 1/2" JIC x 1/4", 90°	1
10	4-02110000	Hose, 1/2" Push-On	1.25 ft
11	2-1105	Swivel, 1/2" JIC Fem, Push-On	2
12	2-1062	Elbow 1/2" JIC x 1/2" Pipe	1
13	2-0079	Swivel, 1/2" JIC Female, 3/8" Male	1

ITEM	PART NO.	DESCRIPTION	QTY.
14	2-1046	Plug, 1/4" Countersunk	1
15	95-07101216B	Unloader Block, 3/8" x 3/8"	1
16	2-0051	Nipple, 1/2" JIC x 3/8" Pipe	1
17	90-1020	Bolt, 3/8" x 2", TAP	2
18	90-4002	Washer, 3/8", Flat, SAE	2
19	90-2002	Nut, 3/8" ESNA	2
20	5-3014	Unloader, General, VB-350/4	1
21	2-0006	Nipple, 3/8" x 3/8" ST Male	1
22	2-20022	Nipple, 3/8" Fem, 5000 PSI	1
23	2-0051	Nipple, 1/2" JIC x 3/8"	1
24	2-1024	Elbow, 1/2" Street, Brass	1
25	95-07104039	▲ Slider, Pump/Guard, Legacy (505037E)	1
	95-07104023	▲ Slider, Pump/Guard, General (505031E)	1
		▲ Not Shown	

## DOWNSTREAM INJECTOR ASSEMBLY

4-011184 (3040, 3530, 3535, 4040)

4-011186 (5050)



ITEM	PART NO.	DESCRIPTION	QTY.
1	3-12021	Detergent Injector Non-Adjust (3040, 3530, 3535, 4040)	1
	3-1208	Detergent Injector (No Coupler) 5000 PSI (5050)	1
2	2-9040	Clamp, Hose, UNI .46 - .54	2
3	4-02080000	Tube, 1/4" x 1/2", Clear Vinyl	6ft.

ITEM	PART NO.	DESCRIPTION	QTY.
4	2-1904	Strainer, 1/4" Hose Barb	1
5	2-20022	Nipple 3/8" Female 5000 PSI (4-011186)	1
6	2-20021	Coupler, 3/8" Fem. 5000 PSI (4-011186)	1