

PARTS LIST FOR
STATIONARY
GASOLINE DRIVEN/BELT DRIVE
OIL HEATED

Call with Model # & Serial # for parts, 888-279-9274

ENGINE OIL GRADE:

HONDA:

MI-T-M/KOLHER/KUBOTA:

VANGUARD:

ABOVE 50°F = SAE30

SAE10W-30

ABOVE 40°F = SAE30

BELOW 40°F = SAE10W-30

PUMP OIL GRADE:

PUMP OIL CAPACITY:

SAE 20 OR 30 NON-DETERGENT

SEE INDIVIDUAL

MACHINE SPECIFICATIONS

FUEL NOZZLE:

3008

3005, 3006, 3505, 3506, 4005

4004, 3504

3.0 80°B DELAVAN

2.75 90°B DELAVAN

2.25 80°B DELAVAN

BTU INPUT:

3008

3005, 3006, 3505, 3506, 4005

4004, 3504

PRESSURE NOZZLE SIZE:

3005

3006

3504, 4004

3505

3506

3008

4005

513,800

471,800

386,400

5.5

6.5

4.0

5.0

6.0

9.0

4.5

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 operating the machine, DO NOT leave the pressurized unit unattended. Shut off the unit and release trapped pressure before leaving.

NOTES

SERIAL BREAK NUMBER:

15008085
15009856
15009977
15009085
15010604
15011230
15013076
15013196

SERIAL BREAK EXPLANATION:

BURNER ASSEMBLY CHANGE - ADDING CORD SET (4-0017)
3005/3504-0MGK ONLY: CHANGED ENGINE FROM 850-0291 TO 850-0332.
3504-0K6G/0V6G ONLY: CHANGED UNLOADER FROM 850-0304 TO 850-0345.
3505-0K6G ONLY: CHANGED ENGINE FROM 850-0292 TO 850-0333.
4004-0K6A ONLY: CHANGED ENGINE FROM 850-0292 TO 850-0333.
3505-0H6G AND 4004-0H6A ONLY: CHANGED ENGINE FROM 850-0300 TO 850-0349.
3005/3006/3504/3505/3506: ADDED HEAT EXCHANGER PLUMBING STEAM OPTION DRAWING.
3506-0H6G ONLY: CHANGED ENGINE FROM 1-0128 TO 1-0143.

4-6-04		ADDED DRAWING- PLUMBING: ADJUSTABLE THERMOSTAT OUTLET OPTION (HX-0145)
#15019140		3-0213 PUMP REVISED - ADDED PART #'S 46-1200 & 46-1201
10-19-05		CHANGED GUN FROM 16-0001 TO 16-0392. CHANGED LANCE FROM 16-0390 TO 16-0417.
6-11-06		OBSOLETE UNIT: 3006-0R7G ADDED NEW MACHINES: 3006/3505/4005-0B7G
#15008463		BURNER ASSEMBLY CHANGE - ADDING CORD SET (4-0018)
#15045000		CHANGED PRESSURE SEAL ON PUMPS 3-0202 AND 3-0203
#15100089	03-17-15	CHANGED UNLOADER 8-0511 TO 8-0634
#15146632	06-11-21	ADDED 6 WIRE KEY SWITCH 45-0889 TO GX630
#15147526	07-21-21	ADDED 6 WIRE KEY SWITCH 45-0889 TO GX690
#15159371	04-01-23	3-0202 PUMP DESIGN CHANGE
#15160030	05-01-23	CHANGED CONTROL PANEL FOR UNITS EQUIPPED WITH DIESEL ENGINE
#15167938	08-01-24	REPLACED 1-0186 WITH 1-0184 AND 45-1113 ON HS UNITS

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SPECIFICATIONS FOR 3005

Operating Pressure (PSI/Bar):	3000 / 206.8 (+/- 5%)	
Water Volume (GPM/lpm):	4.8 / 18.2 (+/- 5%)	
Outlet Water Temperature (F/C):	130°F / 54°C (+/- 10°F) rise above inlet ambient (210°F / 99°C maximum)	
High Pressure Nozzle	5.5	
Engine:	Kohler	Briggs and Stratton
Horsepower	CH620	Vanguard 16
Engine Type	4 Stroke, Overhead Valve, Twin Cylinder	
Oil Type	SAE10-30W	Above 40°F = SAE30 / Below 40°F = SAE10W-30
Oil Capacity (oz./liter)	64 / 1.89	56 / 1.66
Low Oil Protection	Oil Sentry™	Oil Guard™
Fuel Type	Refer to Engine Owner's Manual	
Fuel Capacity (gal./liter)	10 / 37.8	
Starting	12 Volt Electric	
Maximum No Load RPM	3600 (+/- 100)	
High Pressure Pump:	Belt Driven, Oil Bath, Triplex Piston	
Oil Type	SAE20 or 30 Non-Detergent	
Oil Capacity (oz./liters)	37.2 / 11	
Plungers	Ceramic	
Manifold	Forged Brass	
Valves	Stainless Steel	
Unloader	Flow Sensitive - Pre-set at the factory	
Heat Dump Valve	Relieves heated water during unloader bypass stage	
Water System:		
Inlet Water Strainer	Removable Thimble for inspection and cleaning of Stainless Steel Screen	
Float Tank Strainer	Removable Strainer for inspection and cleaning of Stainless Steel Screen	
Float Tank Capacity (gal. / liters)	4.75 / 18.0	
Heat Dump Valve	Protects pump against damaging heat in recirculated and inlet water.	
Burner Fuel System:		
Fuel Type	No.1 or No.2 Fuel Oil, Diesel or Kerosene	
Fuel Capacity (Gal. / liters)	10 / 37.8	
Fuel Filter/ Water Separator	Spin on (10 micron) filter / E-Z water drain	
Fuel Pump	Two Line, Single Stage	
Fuel Pressure (PSI / BAR)	150 / 10.4	
Fuel Nozzle	2.75 90° B Delavan	
Fuel Consumption (GPH / LPH)	3.37 / 12.75 Cont. Burning	
Burner Electrical System:		
Voltage	115	
Amps	3.0	
Heat Exchanger:	Horizontal, Side Fired, Pancake Coil	
BTU Input	471,800	
Efficiency	75% with #2 Fuel Oil / Diesel	
Smoke Density	0-3 per ASTM D2156	
Safety System:		
Pressure Switch	Shuts off burner fuel supply upon trigger release.	
Fuel Solenoid Valve	115 Volt, controls fuel supply to burner	
Safety Relief	Relieves excess system pressure	
Hi-Limit Switch:	Shuts off burner fuel supply when outlet water temperature exceeds 225°F/107°C	
Unit Net Weight (Lbs/kg):	750 / 342	
Unit Shipping Weight (Lbs/kg):	854 / 387	
Unit Net Dimension (In/cm):	49.5L x 33.5W x 44.5H / 125.7L x 85.1W x 113H	
Unit Shipping Dimension (In/cm):	57.5L x 35.5W x 59.5H / 146.1L x 90.2W x 151.1H	

SPECIFICATIONS FOR 3504

Operating Pressure (PSI/Bar):	3500 / 241.3 (+/- 5%)	
Water Volume (GPM/lpm):	3.8 / 14.4 (+/- 5%)	
Outlet Water Temperature (F/C):	130°F / 54°C (+/- 10°F) rise above inlet ambient (210°F / 99°C maximum)	
High Pressure Nozzle	4.0	
Engine:	Kohler	Briggs and Stratton
Model	CH620	Vanguard 16
Engine Type	4 Stroke, Overhead Valve, Twin Cylinder	
Oil Type	SAE10-30W	Above 40°F = SAE30 / Below 40°F = SAE10W-30
Oil Capacity (oz./liter)	64 / 1.89	56 / 1.66
Low Oil Protection	Oil Sentry™	Oil Guard™
Fuel Type	Refer to Engine Owner's Manual	
Fuel Capacity (gal./liter)	10 / 37.8	
Starting	12 Volt Electric	
Maximum No Load RPM	3600 (+/- 100)	
High Pressure Pump:	Belt Driven, Oil Bath, Triplex Piston	
Oil Type	SAE20 or 30 Non-Detergent	
Oil Capacity (oz./liters)	37.2 / 1.1	
Plungers	Ceramic	
Manifold	Forged Brass	
Valves	Stainless Steel	
Unloader	Flow Sensitive - Pre-set at the factory	
Heat Dump Valve	Relieves heated water during unloader bypass stage	
Water System:		
Inlet Water Strainer	Removable Thimble for inspection and cleaning of Stainless Steel Screen	
Float Tank Strainer	Removable Strainer for inspection and cleaning of Stainless Steel Screen	
Float Tank Capacity (gal. / liters)	4.75 / 18.0	
Heat Dump Valve	Protects pump against damaging heat in recirculated and inlet water.	
Burner Fuel System:		
Fuel Type	No.1 or No.2 Fuel Oil, Diesel or Kerosene	
Fuel Capacity (Gal. / liters)	10 / 37.8	
Fuel Filter/ Water Separator	Spin on (10 micron) filter / E-Z water drain	
Fuel Pump	Two Line, Single Stage	
Fuel Pressure (PSI / BAR)	150 / 10.4	
Fuel Nozzle	2.25 80° B Delavan	
Fuel Consumption (GPH / LPH)	2.76 / 10.43 Cont. Burning	
Burner Electrical System:		
Voltage	115	
Amps	3.0	
Heat Exchanger:	Horizontal, Side Fired, Pancake Coil	
BTU Input	386,400	
Efficiency	75% with #2 Fuel Oil / Diesel	
Smoke Density	0-3 per ASTM D2156	
Safety System:		
Pressure Switch	Shuts off burner fuel supply upon trigger release.	
Fuel Solenoid Valve	115 Volt, controls fuel supply to burner	
Safety Relief	Relieves excess system pressure	
Hi-Limit Switch:	Shuts off burner fuel supply when outlet water temperature exceeds 225°F/107°C	
Unit Net Weight (Lbs/kg):	750 / 342	
Unit Shipping Weight (Lbs/kg):	854 / 387	
Unit Net Dimension (In/cm):	49.5L x 33.5W x 44.5H / 125.7L x 85.1W x 113H	
Unit Shipping Dimension (In/cm):	57.5L x 35.5W x 59.5H / 146.1L x 90.2W x 151.1H	

SPECIFICATIONS FOR 3505

Operating Pressure (PSI/Bar):	3500 / 241.3 (+/- 5%)				
Water Volume (GPM/lpm):	4.7 / 17.7 (+/- 5%)				
Outlet Water Temperature (F/C):	130°F / 54°C (+/- 10°F) rise above inlet ambient (210°F / 99°C maximum)				
High Pressure Nozzle	5.0				
Engine:	Honda	Kohler	Briggs and Stratton	MI-T-M	Kubota
Model	GX630	CH640	Vanguard 21	R670	Z602
Engine Type	4 Stroke, Overhead Valve, Twin Cylinder				4 Stroke, FI Diesel, Liquid Cooled
Oil Type	Above 50°F = SAE30	SAE10-30W	Above 40°F = SAE30 / Below 40°F = SAE10W-30	SAE10-30W	SAE10W30, API CI-4 or better
Oil Capacity (oz./liter)	57.6 / 1.7	64 / 1.89	56 / 1.66	64 / 1.89	61 / 1.8
Low Oil Protection	Oil Switch	Oil Sentry™	Oil Guard™	Oil Switch	N/A
Fuel Type	Refer to Engine Owner's Manual				
Fuel Capacity (gal./liter)	10 / 37.8				
Starting	12 Volt Electric				
Maximum No Load RPM	3600 (+/- 100)				
High Pressure Pump:	Belt Driven, Oil Bath, Triplex Piston				
Oil Type	SAE20 or 30 Non-Detergent				
Oil Capacity (oz./liters)	37.2 / 1.1				
Plungers	Ceramic				
Manifold	Forged Brass				
Valves	Stainless Steel				
Unloader	Flow Sensitive - Pre-set at the factory				
Heat Dump Valve	Relieves heated water during unloader bypass stage				
Water System:					
Inlet Water Strainer	Removable Thimble for inspection and cleaning of Stainless Steel Screen				
Float Tank Strainer	Removable Strainer for inspection and cleaning of Stainless Steel Screen				
Float Tank Capacity (gal. / liters)	4.75 / 18.0				
Heat Dump Valve	Protects pump against damaging heat in recirculated and inlet water.				
Burner Fuel System:					
Fuel Type	No.1 or No.2 Fuel Oil, Diesel or Kerosene				
Fuel Capacity (Gal. / liters)	10 / 37.8				
Fuel Filter/ Water Separator	Spin on (10 micron) filter / E-Z water drain				
Fuel Pump	Two Line, Single Stage				
Fuel Pressure (PSI / BAR)	150 / 10.4				
Fuel Nozzle	2.75 90° B Delavan				
Fuel Consumption (GPH / LPH)	3.37 / 12.75 Cont. Burning				
Burner Electrical System:					
Voltage	115				
Amps	3.0				
Heat Exchanger:	Horizontal, Side Fired, Pancake Coil				
BTU Input	471,800				
Efficiency	75% with #2 Fuel Oil / Diesel				
Smoke Density	0-3 per ASTM D2156				
Safety System:					
Pressure Switch	Shuts off burner fuel supply upon trigger release.				
Fuel Solenoid Valve	115 Volt, controls fuel supply to burner				
Safety Relief	Relieves excess system pressure				
Hi-Limit Switch:	Shuts off burner fuel supply when outlet water temperature exceeds 225°F/107°C				
Unit Net Weight (Lbs/kg):	750 / 342				
Unit Shipping Weight (Lbs/kg):	854 / 387				
Unit Net Dimension (In/cm):	49.5L x 33.5W x 44.5H / 125.7L x 85.1W x 113H				
Unit Shipping Dimension (In/cm):	57.5L x 35.5W x 59.5H / 146.1L x 90.2W x 151.1H				

SPECIFICATIONS FOR 3506

Operating Pressure (PSI/Bar):	3500 / 241.3 (+/- 5%)		
Water Volume (GPM/lpm):	5.6 / 21.2 (+/- 5%)		
Outlet Water Temperature (F/C):	130°F / 54°C (+/- 10°F) rise above inlet ambient (210°F / 99°C maximum)		
High Pressure Nozzle	6.0		
Engine:	Honda	Kohler	MI-T-M
Model	GX630	CH730	R670
Engine Type	4 Stroke, Overhead Valve, Twin Cylinder		
Oil Type	Above 50°F = SAE30	SAE10-30W	
Oil Capacity (oz./liter)	57.6 / 1.7	64 / 2.0	64 / 1.89
Low Oil Protection	Oil Switch	Oil Sentry™	Oil Switch
Fuel Type	Refer to Engine Owner's Manual		
Fuel Capacity (gal./liter)	10 / 37.8		
Starting	12 Volt Electric		
Maximum No Load RPM	3600 (+/- 100)		
High Pressure Pump:	Belt Driven, Oil Bath, Triplex Piston		
Oil Type	SAE20 or 30 Non-Detergent		
Oil Capacity (oz./liters)	32 / .95		
Plungers	Ceramic		
Manifold	Forged Brass		
Valves	Stainless Steel		
Unloader	Flow Sensitive - Pre-set at the factory		
Heat Dump Valve	Relieves heated water during unloader bypass stage		
Water System:			
Inlet Water Strainer	Removable Thimble for inspection and cleaning of Stainless Steel Screen		
Float Tank Strainer	Removable Strainer for inspection and cleaning of Stainless Steel Screen		
Float Tank Capacity (gal. / liters)	4.75 / 18.0		
Heat Dump Valve	Protects pump against damaging heat in recirculated and inlet water.		
Burner Fuel System:			
Fuel Type	No.1 or No.2 Fuel Oil, Diesel or Kerosene		
Fuel Capacity (Gal. / liters)	10 / 37.8		
Fuel Filter/ Water Separator	Spin on (10 micron) filter / E-Z water drain		
Fuel Pump	Two Line, Single Stage		
Fuel Pressure (PSI / BAR)	150 / 10.4		
Fuel Nozzle	2.75 90° B Delavan		
Fuel Consumption (GPH / LPH)	3.37 / 12.75 Cont. Burning		
Burner Electrical System:			
Voltage	115		
Amps	3.0		
Heat Exchanger:	Horizontal, Side Fired, Pancake Coil		
BTU Input	471, 800		
Efficiency	75% with #2 Fuel Oil / Diesel		
Smoke Density	0-3 per ASTM D2156		
Safety System:			
Pressure Switch	Shuts off burner fuel supply upon trigger release.		
Fuel Solenoid Valve	115 Volt, controls fuel supply to burner		
Safety Relief	Relieves excess system pressure		
Hi-Limit Switch:	Shuts off burner fuel supply when outlet water temperature exceeds 225°F/ 107°C.		
Unit Net Weight (Lbs/kg):	750 / 342		
Unit Shipping Weight (Lbs/kg):	854 / 387		
Unit Net Dimension (In/cm):	49.5L x 33.5W x 44.5H / 125.7L x 85.1W x 113H		
Unit Shipping Dimension (In/cm):	57.5L x 35.5W x 59.5H / 146.1L x 90.2W x 151.1H		

SPECIFICATIONS FOR 3008

Operating Pressure (PSI/Bar):	3000 / 206.8 (+/-5%)		
Water Volume (GPM/lpm):	7.8 / 29.5 (+/-5%)		
Outlet Water Temperature (F/C)	130°F / 54°C (+/- 10°F) rise above inlet ambient (210°F / 99°C maximum)		
High Pressure Nozzle	9.0		
Engine:	Honda	Kohler	Kubota
Horsepower	GX690	CH730	D902
Engine Type	4 Stroke, overhead valve, twin cylinder		4 Stroke, FL Diesel, Liquid Cooled
Oil Type	Above 50°F = SAE30	SAE10-30W	SAW10W40, API C1-4 or better
Oil Capacity (Oz./Liter)	24 / .71	64 / 2.0	125.4/3.7
Low Oil Protection	Oil switch	Oil sentry™	
Fuel Type	Refer to engine owner's manual		
Fuel Capacity (Gal./Liter)	10 / 37.8		
Starting	12 Volt electric		
Maximum No Load RPM	3600 (+/- 100)		
High Pressure Pump:	Belt driven, oil bath, triplex piston		
Oil Type	SAE20 or 30 non-detergent		
Oil Capacity (Oz./Liter)	31 / .92		
Plungers	Ceramic		
Manifold	Forged brass		
Valves	Stainless steel		
Unloader	Flow sensitive - pressure trapping		
Heat Dump Valve	Relieves heated water during unloader bypass stage		
Water System:			
Inlet Water Strainer	Removable thimble for inspection and cleaning of stainless steel screen		
Float Tank Strainer	Removable strainer for inspection and cleaning of stainless steel screen		
Float Tank Capacity (Gal./Liter)	4.75 / 18.0		
Heat Dump Valve	Protects pump against damaging heat in recirculated and inlet water		
Burner Fuel System			
Fuel Type	No 1 or no 2 fuel oil, diesel or kerosene		
Fuel Capacity (Gal./Liter)	10 / 37.8		
Fuel Filter/Water Separator	Spin on (10 micron) filter / e-z water drain		
Fuel Pump	Two line, single stage		
Fuel Pressure (PSI/ Bar)	150 / 10.4		
Fuel Nozzle	3.00 80° B Delavan		
Fuel Consumption (GPH / LPH)	3.67 / 13.9 Cont. Burning		
Burner Electrical System			
Voltage	115		
Amps	3.0		
Heat Exchanger	Horizontal, side fired, pancake coil		
Btu Input	513,800		
Efficiency	75% With #2 fuel oil/diesel		
Smoke Density	0-3 Per ASTM D2156		
Safety System			
Pressure Switch	Shuts off burner fuel supply upon trigger release		
Fuel Solenoid	115 Volt, controls fuel supply to burner		
Safety Relief	Relieves excess system pressure		
Hi-Limit Switch	Shuts off burner fuel supply when outlet water temperature exceeds 250°F / 121°C		
Unit Net Weight (Lbs/Kg)	830 / 377		933 / 424
Unit Shipping Weight (Lbs/Kg)	934 / 425		1037 / 471
Unit Net Dimensions (In/Cm)	49.5L x 33.5W x 44.5H / 125.7L x 85.1W x 113h		59.5L x 33.75W x 46H / 151.2L x 85.7W x 116.8H
Unit Shipping Dimensions (In/Cm)	57.5L x 35.5W x 59.5H / 146.1L x 90.2W x 151.1H		59.5L x 35.5W x 51.5H / 151.2L x 90.2W x 130.8H

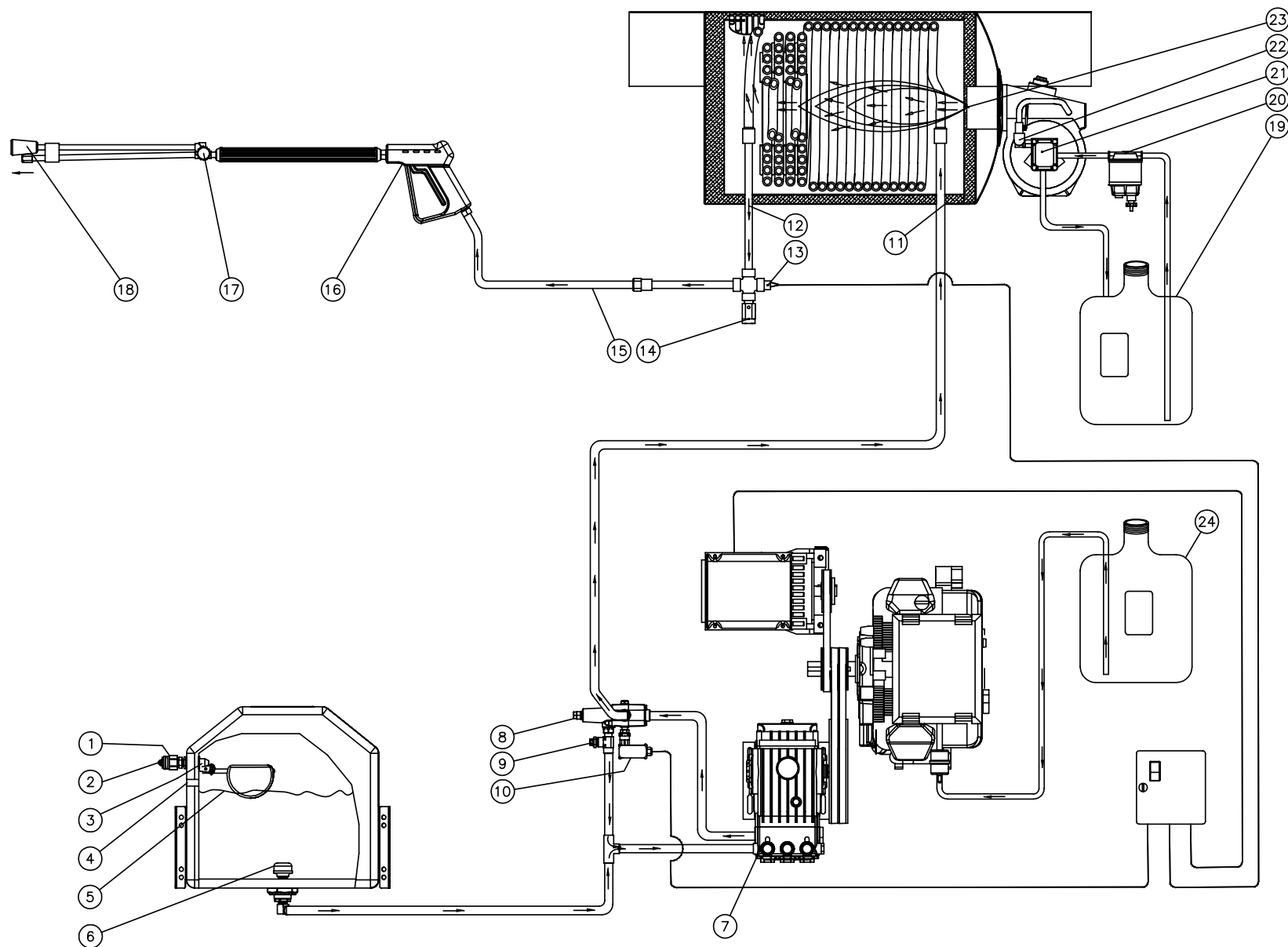
SPECIFICATIONS FOR 4004

Operating Pressure (PSI/Bar):	4000 / 275.8 (+/- 5%)		
Water Volume (GPM/lpm):	4.0 / 15.1 (+/- 5%)		
Outlet Water Temperature (F/C):	130°F / 54°C (+/- 10°F) rise above inlet ambient (210°F / 99°C maximum)		
High Pressure Nozzle	5.0 / 3.5 Wet Steam		
Engine:	Kohler	Briggs and Stratton	Honda
Model	CH640	Vanguard 21	GX630
Engine Type	4 Stroke, Overhead Valve, Twin Cylinder		
Oil Type	SAE10-30W	Above 40°F = SAE30 / Below 40°F = SAE10W-30	Above 50°F = SAE30
Oil Capacity (oz./liter)	64 / 2.0	56 / 1.67	57.6 / 1.7
Low Oil Protection	Oil Sentry™	Oil Guard	Oil Switch
Fuel Type	Refer to Engine Owner's Manual		
Fuel Capacity (gal./liter)	10 / 37.8		
Starting	12 Volt Electric		
Maximum No Load RPM	3600 (+/- 100)		
High Pressure Pump:	Belt Driven, Oil Bath, Triplex Piston		
Oil Type	SAE20 or 30 Non-Detergent		
Oil Capacity (oz./liters)	32 / .95		
Plungers	Ceramic		
Manifold	Forged Brass		
Valves	Stainless Steel		
Unloader	Pressure Trapping - Pre-set at the factory		
Heat Dump Valve	Relieves heated water during unloader bypass stage		
Water System:			
Inlet Water Strainer	Removable Thimble for inspection and cleaning of Stainless Steel Screen		
Float Tank Strainer	Removable Strainer for inspection and cleaning of Stainless Steel Screen		
Float Tank Capacity (gal. / liters)	4.75 / 18.0		
Heat Dump Valve	Protects pump against damaging heat in recirculated and inlet water.		
Detergent System	Adjustable Metering Valve		
Burner Fuel System:			
Fuel Type	No.1 or No.2 Fuel Oil, Diesel or Kerosene		
Fuel Capacity (Gal. / liters)	10 / 37.8		
Fuel Filter/ Water Separator	Spin on (10 micron) filter / E-Z water drain		
Fuel Pump	Two Line, Single Stage		
Fuel Pressure (PSI / BAR)	150 / 10.4		
Fuel Nozzle	2.25 80° B Delavan		
Fuel Consumption (GPH / LPH)	2.76 / 10.4 Cont. Burning		
Burner Electrical System:			
Voltage	115		
Amps	3.0		
Heat Exchanger:	Horizontal, Side Fired, Pancake Coil		
BTU Input	386,400		
Efficiency	75% with #2 Fuel Oil / Diesel		
Smoke Density	0-3 per ASTM D2156		
Safety System:			
Pressure Switch	Shuts off burner fuel supply upon trigger release.		
Fuel Solenoid Valve	115 Volt, controls fuel supply to burner		
Safety Relief	Relieves excess system pressure		
Hi-Limit Switch:	Shuts off burner fuel supply when outlet water temperature exceeds 225°F/107°C		
Unit Net Weight (Lbs/kg):	750 / 342		
Unit Shipping Weight (Lbs/kg):	854 / 387		
Unit Net Dimension (In/cm):	49.5L x 33.5W x 44.5H / 125.7L x 85.1W x 113H		
Unit Shipping Dimension (In/cm):	57.5L x 35.5W x 59.5H / 146.1L x 90.2W x 151.1H		

SPECIFICATIONS FOR 3006/4005

Operating Pressure (PSI/Bar):	3000 / 206.8 (+/- 5%)	4000 / 275.8 (+/- 5%)
Water Volume (GPM/lpm):	5.6 / 21.2 (+/- 5%)	4.5 / 17.0 (+/- 5%)
Outlet Water Temperature (F/C):	130°F / 54°C (+/- 10°F) rise above inlet ambient (210°F / 99°C maximum)	
High Pressure Nozzle	6.5	4.5
Engine:	Kubota	
Model	Z602	
Engine Type	4 Stroke, FI Diesel, Liquid Cooled	
Oil Type	SAE10W30, API CI-4 or better	
Oil Capacity (oz./liter)	84.5 / 2.5	
Fuel Type	Refer to Engine Owner's Manual	
Fuel Capacity (gal./liter)	10 / 37.8	
Starting	12 Volt Electric	
Maximum No Load RPM	3600 (+/- 100)	
High Pressure Pump:	Belt Driven, Oil Bath, Triplex Piston	
Oil Type	SAE20 or 30 Non-Detergent	
Oil Capacity (oz./liters)	32 / .95	31 / .92
Plungers	Ceramic	
Manifold	Forged Brass	
Valves	Stainless Steel	
Unloader	Flow Sensitive - Pre-set at the factory	
Heat Dump Valve	Relieves heated water during unloader bypass stage	
Water System:		
Inlet Water Strainer	Removable Thimble for inspection and cleaning of Stainless Steel Screen	
Float Tank Strainer	Removable Strainer for inspection and cleaning of Stainless Steel Screen	
Float Tank Capacity (gal. / liters)	4.75 / 18.0	
Heat Dump Valve	Protects pump against damaging heat in recirculated and inlet water.	
Detergent System	Adjustable Metering Valve	
Burner Fuel System:		
Fuel Type	No.1 or No.2 Fuel Oil, Diesel or Kerosene	
Fuel Capacity (Gal. / liters)	10 / 37.8	
Fuel Filter/ Water Separator	Spin on (10 micron) filter / E-Z water drain	
Fuel Pump	Two Line, Single Stage	
Fuel Pressure (PSI / BAR)	150 / 10.4	
Fuel Nozzle	2.75 90° B Delavan	
Fuel Consumption (GPH / LPH)	3.37 / 12.75 Cont. Burning	
Burner Electrical System:		
Voltage	115	
Amps	3.0	
Heat Exchanger:	Horizontal, Side Fired, Pancake Coil	
BTU Input	471, 800	
Efficiency	75% with #2 Fuel Oil / Diesel	
Smoke Density	0-3 per ASTM D2156	
Safety System:		
Pressure Switch	Shuts off burner fuel supply upon trigger release.	
Fuel Solenoid Valve	115 Volt, controls fuel supply to burner	
Safety Relief	Relieves excess system pressure	
Hi-Limit Switch:	Shuts off burner fuel supply when outlet water temperature exceeds 225°F/107°C	
Unit Net Weight (Lbs/kg):	836 / 380	
Unit Shipping Weight (Lbs/kg):	940 / 427	
Unit Net Dimension (In/cm):	56.5L x 33.5W x 44.5H / 143.5L x 85.1W x 113H	
Unit Shipping Dimension (In/cm):	57.5L x 35.5W x 59.5H / 146.1L x 90.2W x 151.1H	

FLOW CHART FOR 3005/3006/3504/3505/3506



HS-3005/3006/3504/3505/3506 FLOW DIAGRAM-033005-RZ

GENERAL THEORY OF OPERATION FOR 3005/3006/3504/3505/3506

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 INLET WATER STRAINER (2) and then through a FLOAT VALVE (3) into a WATER FLOAT TANK (5). If the water rises above the OVERFLOW HOLES (4), the excess water will drain out the unit.

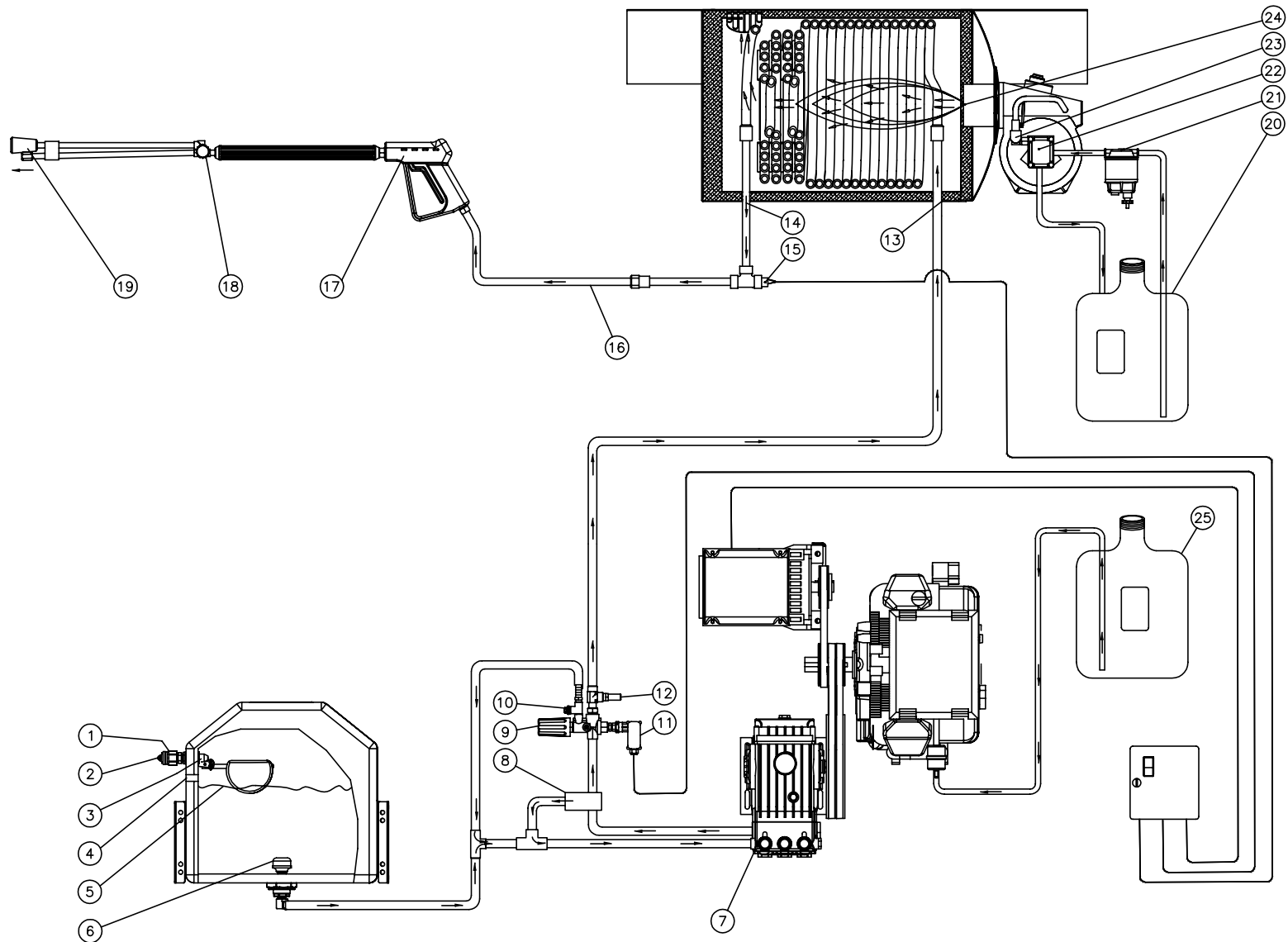
The water is then drawn through the WATER STRAINER (6) and into the TRIPLEX HIGH PRESSURE PUMP (7) which has an UNLOADER (8) that bypasses the water when the trigger gun is closed. To protect the pump from heated water during this bypass stage, a HEAT DUMP VALVE (9) will open at 140°F/60°C allowing the heated water to escape. The Heat Dump Valve automatically resets when the water cools. The BURNER CONTROL PRESSURE SWITCH (10) controls the fuel supply to the burner.

From there, the water flows through 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 system also contains a HI-LIMIT TEMPERATURE SWITCH (13) which senses the water temperature and shuts off the fuel supply to the burner if the water gets too hot. If the unloader fails to bypass 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. The engine is operated by fuel drawn from the GAS TANK (HS-3005/3504/3505/3506) / FUEL TANK (HS-3006) (24).

FLOW CHART FOR 4004/4005/3008



GENERAL THEORY OF OPERATION FOR 4004/4005/3008

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 INLET WATER STRAINER (2) and then through a FLOAT VALVE (3) into a WATER FLOAT TANK (5). If the water rises above the OVERFLOW HOLES (4), the excess water will drain out the unit.

The water is then drawn through the WATER STRAINER (6) and into the TRIPLEX HIGH PRESSURE PUMP (7) which has an UNLOADER (9) 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 (10) will open at 140°F/60°C allowing the heated water to escape. The Heat Dump Valve automatically resets when the water cools. The EASY START VALVE (8) will allow the engine to start without a load. The water recirculates until pressure builds up and forces the seat closed. The BURNER CONTROL PRESSURE SWITCH (11) controls the fuel supply to the burner.

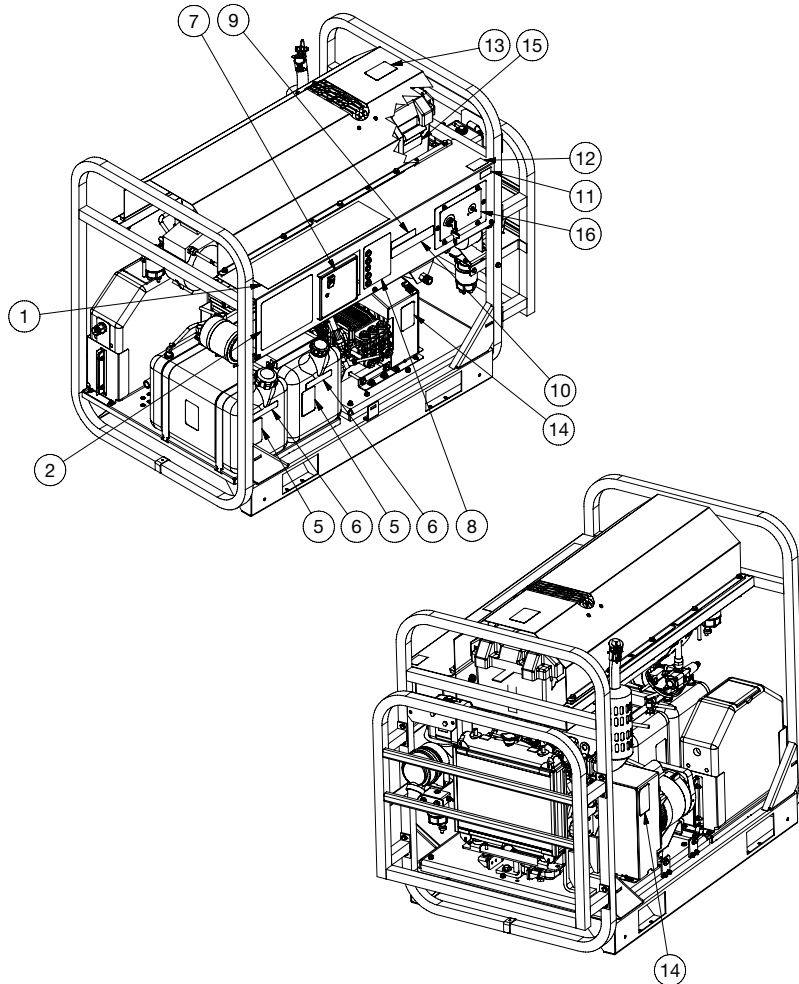
From there, the water flows through HEAT EXCHANGER INLET (13) where it is heated when the burner is on. As the water exits the HEAT EXCHANGER OUTLET (14), it enters a safety system which protects the operator from danger. The system also contains a HI-LIMIT TEMPERATURE SWITCH (15) which senses the water temperature and shuts off the fuel supply to the burner if the water gets too hot. If the unloader fails to bypass water or the burner remains on when the trigger gun is closed, the SAFETY RELIEF (12) will relieve and allow water to exit safely.

The heated water then flows through the HIGH PRESSURE HOSE (16) and to the TRIGGER GUN ASSEMBLY (17) which allows the operator to control the water spray. When the trigger gun is open, the water flows through the ADJUSTABLE PRESSURE DUAL LANCE (18) and exits the NOZZLE (19).

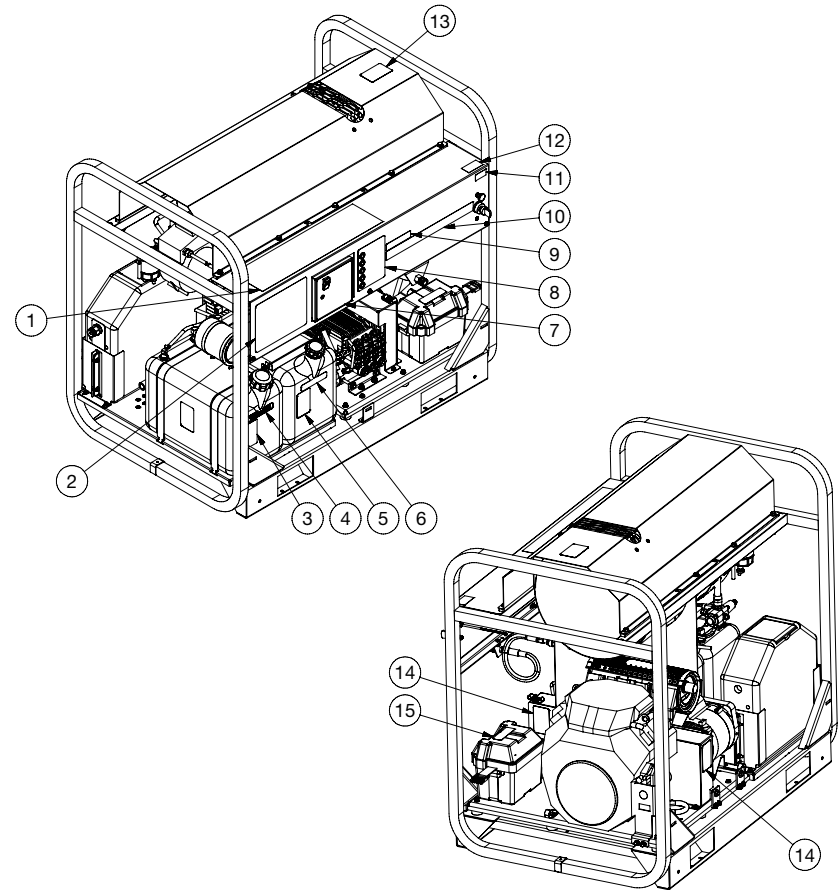
FUEL FLOW: The Fuel Pump draws fuel from the FUEL TANK (20) through a replaceable FUEL FILTER/WATER SEPARATOR (21) and into the FUEL PUMP (22). Fuel exits the fuel pump, into a FUEL SOLENOID VALVE (23) which controls fuel flow to the FUEL NOZZLE (24) where it ignites and burns in the heat exchanger. The engine is operated by fuel drawn from the GAS TANK (25).

SAFETY DECAL PLACEMENT

DIESEL MODELS



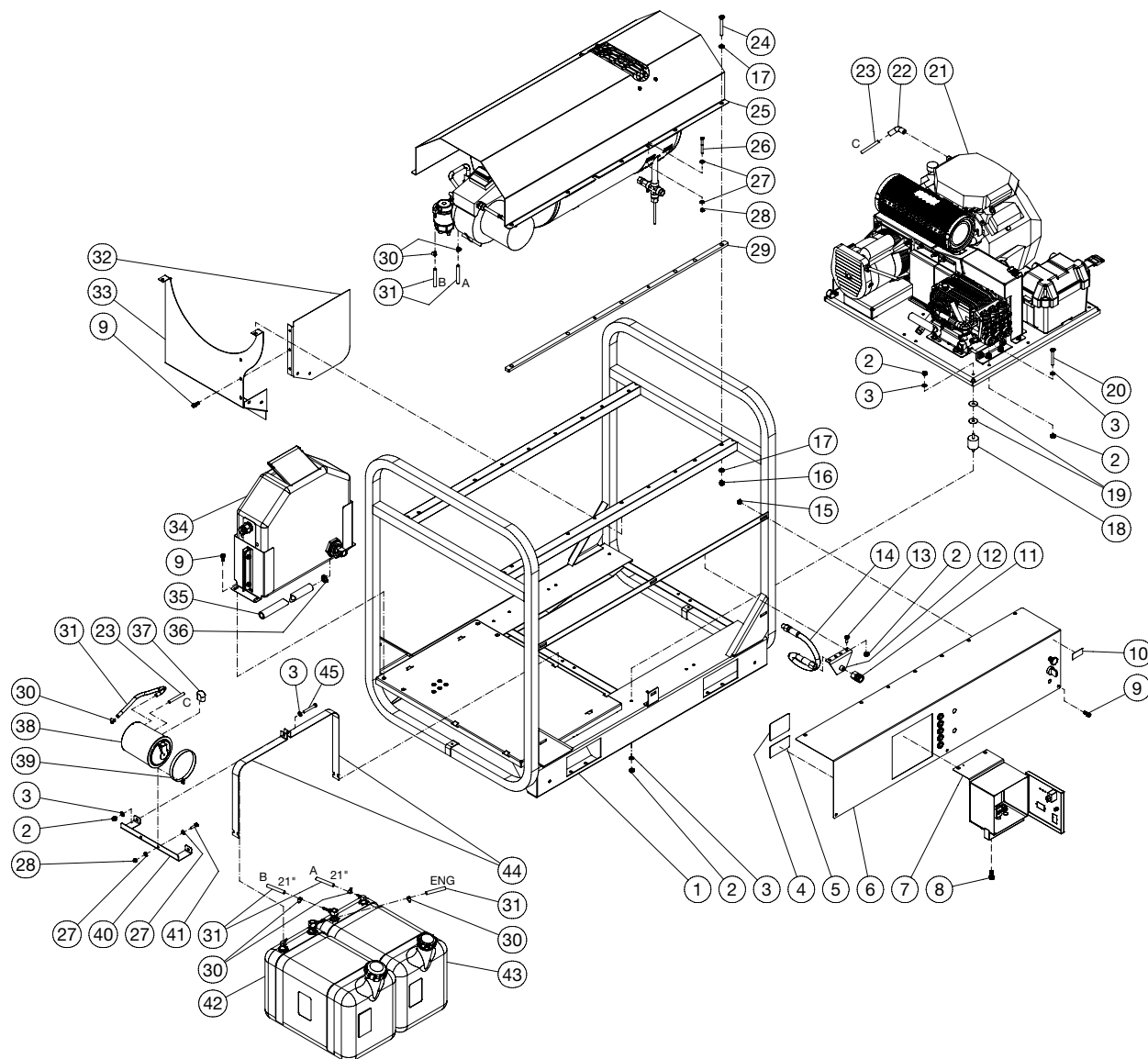
GASOLINE MODELS



SAFETY DECAL PLACEMENT

HS_HVS DECAL PLACEMENT 022723			
DECAL PLACEMENT			
ITEM	DESCRIPTION	PART #	QTY
1	DECAL-WARNINGS/CAUTION/OPERATION	N/A	1
2	DECAL - MARKETING LOGO	N/A	1
3	DECAL - CAUTION GASOLINE ONLY	N/A	1
4	DECAL - GASOLINE ONLY	N/A	1
5	DECAL- CAUTION RISK OF FIRE (GASOLINE MODELS)	N/A	1
-	DECAL- CAUTION RISK OF FIRE (DIESEL MODELS)	N/A	2
6	DECAL - DIESEL ONLY (GASOLINE MODELS)	N/A	1
-	DECAL - DIESEL ONLY (DIESEL MODELS)	N/A	2
7	DECAL-ELECTRIC BOX W/BURNER	N/A	1
8	DECAL- NOZZLES	N/A	1
9	DECAL- PSI	N/A	1
10	DECAL - STRIPE	N/A	1
11	DECAL - MADE IN USA	34-3553	1
12	DECAL- QR CODE	N/A	1
13	DECAL - WARNING HOT SURFACES	N/A	1
14	DECAL - WARNING; RISK OF INJURY	N/A	2
15	DECAL - CAUTION RISK OF INJURY	N/A	1
16	DECAL - KUBOTA CONTROL PANEL (DIESEL MODELS)	N/A	1
-	DECAL SET	71-0036	1

FRAME ASSEMBLY (GASOLINE ENGINES)

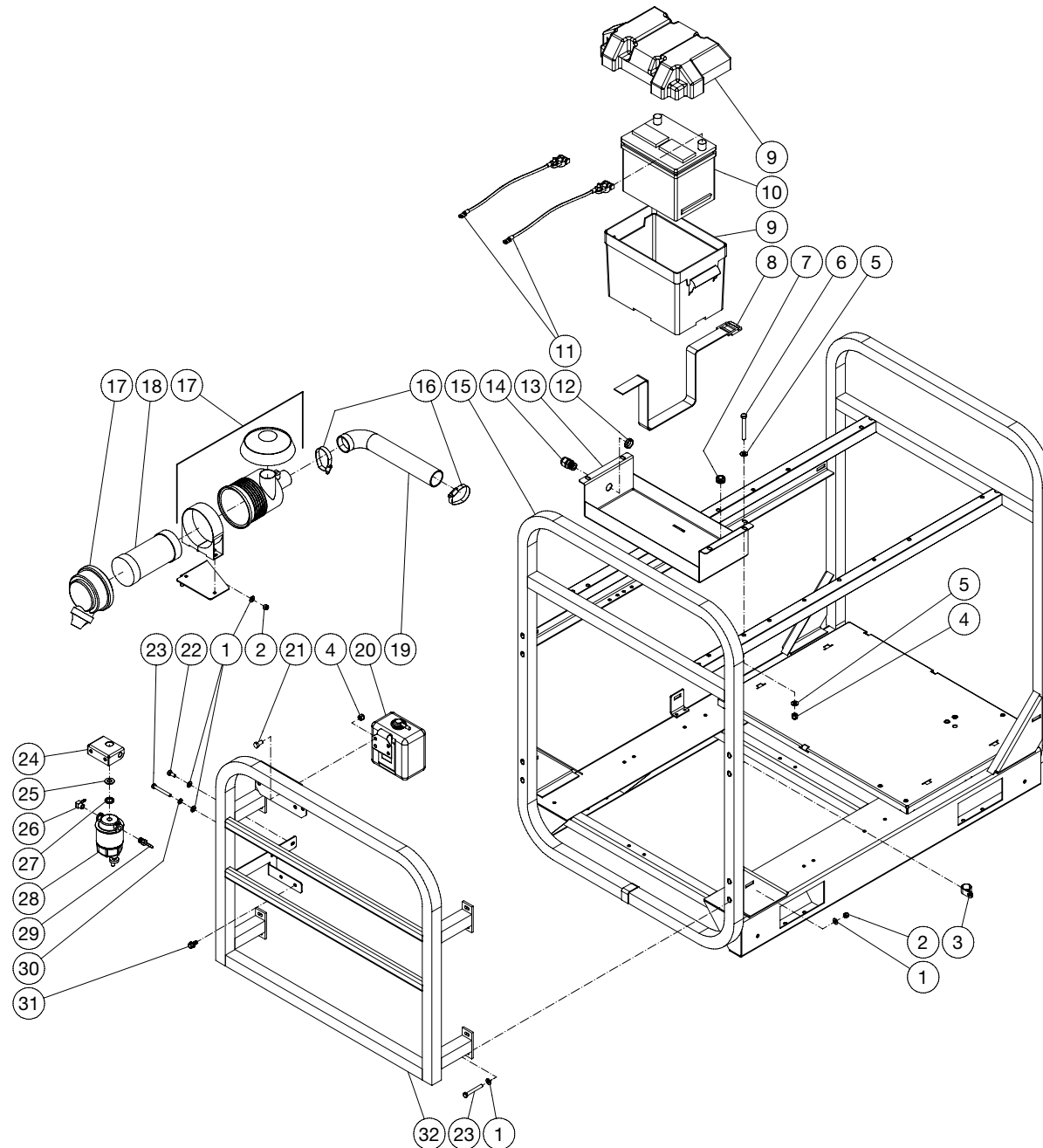


For parts Call 888-279-9274

FRAME ASSEMBLY (GASOLINE ENGINES)

HS UNIT ASSY 120522CCH							
UNIT ASSEMBLY							
ITEM	DESCRIPTION	PART #	QTY		ITEM	DESCRIPTION	PART # QTY
1	FRAME (GASOLINE MODELS)	5-0275A18	1		25	HEAT EXCHANGER ASSEMBLY (3005, 3006, 3504, 3505, 3506)	N/A 1
-	KUBOTA FRAME ASSEMBLY (DIESEL MODELS)	N/A	1		-	HEAT EXCHANGER ASSEMBLY (4004, 4005)	N/A 1
2	LOCKNUT	30-0157	22		-	HEAT EXCHANGER ASSEMBLY (3008)	N/A 1
3	WASHER	28-0003	22		26	BOLT	27-0022 4
4	DECAL - DATA PLATE	N/A	1		27	WASHER (GASOLINE MODELS)	28-0002 12
5	DECAL - SILVER STICKER	N/A	1		-	WASHER (DIESEL MODELS)	28-0002 8
6	CONTROL PANEL ASSEMBLY (GASOLINE MODELS)	N/A	1		28	LOCKNUT (GASOLINE MODELS)	30-0155 6
-	KUBOTA CONTROL PANEL ASSEMBLY (DIESEL MODELS)	N/A	1		-	LOCKNUT (DIESEL MODELS)	30-0155 4
7	ELECTRIC BOX ASSEMBLY	N/A	1		29	SHIM (DIESEL MODELS)	20-1289A18 2
8	BOLT	27-1201	2		30	CLAMP WORM (GASOLINE MODELS)	42-0004 6
9	BOLT (3008 GASOLINE MODELS)	27-1200	12		-	CLAMP WORM (DIESEL MODELS)	42-0004 8
-	BOLT	27-1200	7		31	FUEL HOSE *(SIX FEET REQUIRED)	15-0008 3
10	DECAL - MADE IN USA	34-3553	1		32	HEAT SHIELD SIDE (3008 GASOLINE MODELS)	20-1099A18 1
11	QUICK CONNECT SOCKET	17-0004	1		33	HEAT SHIELD (3008 GASOLINE MODELS)	20-1098A18 1
12	WATER OUTLET BRACKET	13-0199A18	1		34	FLOAT TANK ASSEMBLY	N/A 1
13	BOLT	27-0066	2		35	HOSE *(TWO FEET REQUIRED)	15-0033 1
14	HIGH PRESSURE HOSE	15-0202	1		36	HOSE CLAMP	42-0003 1
15	CLIP NUT	30-6027	3		37	BREATHER VENT COVER (GASOLINE MODELS)	62-0218 1
16	LOCKNUT	30-0159	10		38	CARB CANISTER (GASOLINE MODELS)	62-0212 1
17	WASHER	28-0004	20		39	CARB CANISTER STRAP (GASOLINE MODELS)	20-1187A01 2
18	ISOLATOR	14-0110	8		40	CARB CANISTER MOUNT (GASOLINE MODELS)	20-1197A18 1
19	WASHER (DIESEL MODELS)	28-0057	16		41	BOLT (GASOLINE MODELS)	27-0016 2
20	BOLT	27-0073	2		42	GAS TANK ASSEMBLY (GASOLINE MODELS)	N/A 1
21	ISOLATION PLATE ASSEMBLY (GASOLINE MODELS)	N/A	1		-	DIESEL FUEL TANK ASSEMBLY (DIESEL MODELS)	N/A 1
-	ISOLATION PLATE ASSEMBLY (DIESEL MODELS)	N/A	1		43	BURNER FUEL TANK ASSEMBLY	N/A 1
22	AIR CLEANER ADAPTER (HONDA MODELS)	62-0229	1		44	TANK STRAP	20-0585A18 4
23	FUEL HOSE (GASOLINE MODELS)	15-0261	2		45	BOLT	27-0072 2
24	BOLT	27-0576	10		*MUST ORDER IN ONE FOOT LENGTHS		

FRAME ASSEMBLY (KUBOTA DIESEL ENGINES)

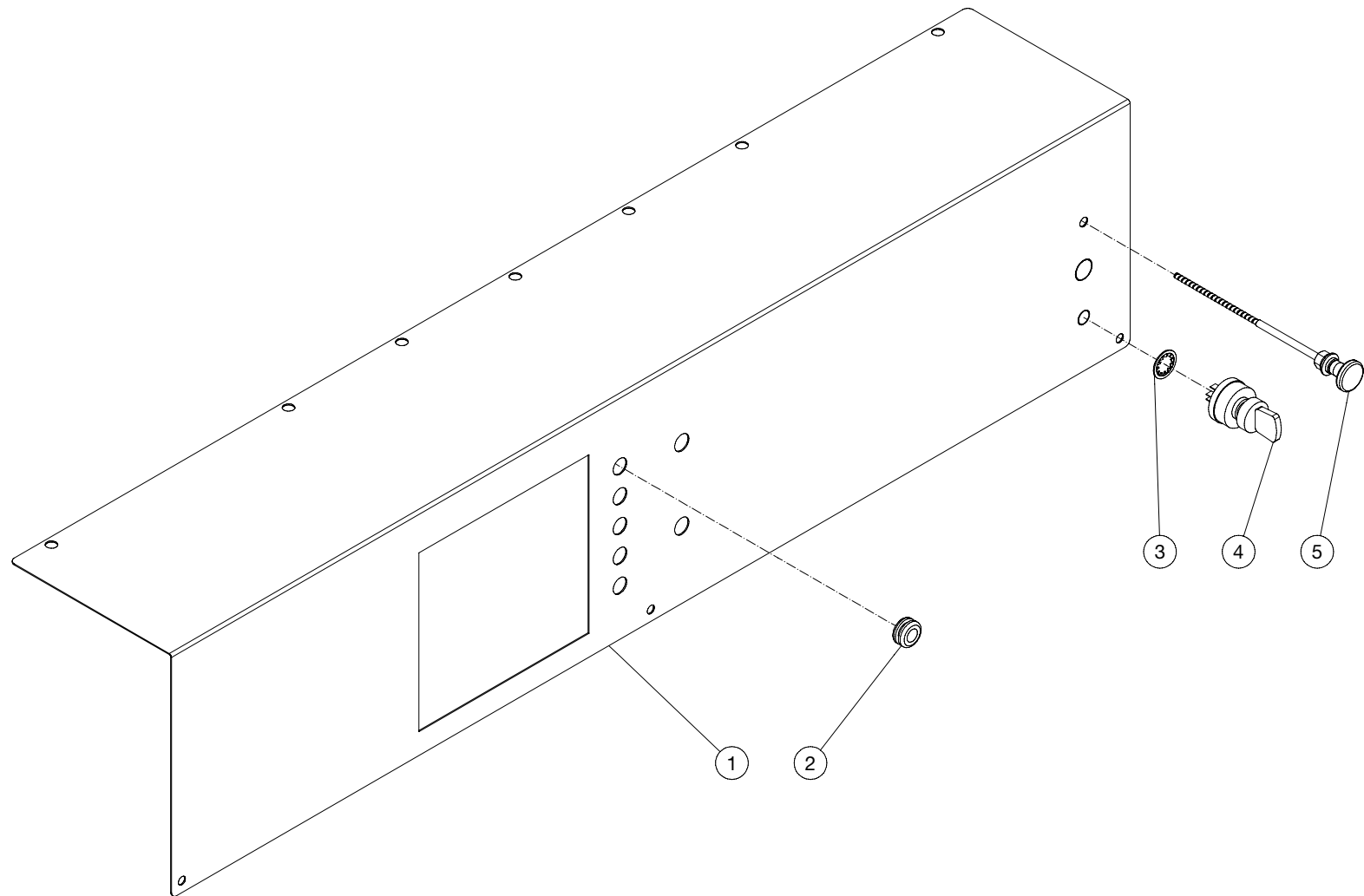


For parts Call 888-279-9274

FRAME ASSEMBLY (KUBOTA DIESEL ENGINES)

KUBOTA SKID FRAME ASSEMBLY 080217 CK			
FRAME ASSEMBLY			
ITEM	DESCRIPTION	PART #	QTY
1	WASHER	28-0003	20
2	LOCKNUT	30-0157	10
3	CLIP	33-0291	1
4	LOCKNUT (3006/3505/4005)	30-0159	6
-	LOCKNUT (3008)	30-0159	2
5	WASHER (3006/3505/4005)	28-0004	8
6	BOLT (3006/3505/4005)	27-0576	4
7	GROMMET (3006/3505/4005)	33-0001	2
8	STRAP (3006/3505/4005)	33-0089	1
9	BATTERY BOX (3006/3505/4005)	33-0093	1
10	BATTERY	N/A	1
11	BATTERY CABLE (W/ ENGINE)	N/A	2
12	ELECTRICAL LOCKNUT (3006/3505/4005)	32-0108	1
13	BATTERY BOX (3006/3505/4005)	20-0872A18	1
14	STRAIN RELIEF (3006/3505/4005)	32-0437	1
15	FRAME	5-0313A18	1
16	HOSE CLAMP	42-0027	2
17	AIR CLEANER HOUSING	N/A	1
18	AIR FILTER	45-0122	1
19	HOSE	15-0262	1
20	RADIATOR OVER FLOW W/ ENGINE	45-0121	1
21	BOLT	27-0116	2
22	BOLT	27-0066	1
23	BOLT	27-0073	9
24	FUEL FILTER BRACKET	20-0873A18	1
25	WASHER	28-0006	1
26	ELBOW	23-0054	1
27	GARDEN HOSE GASKET	26-0001	1
28	FUEL FILTER / WATER SEPERATOR	19-0070	1
29	BARB	23-0051	1
30	LOCKWASHER	29-0007	1
31	BOLT	27-1202	2
32	FRAME EXTENSION (3006/3505/4005)	5-0276A18	1
-	KUBOTA 23HP FRAME EXTENSION (3008)	5-0311A18	1

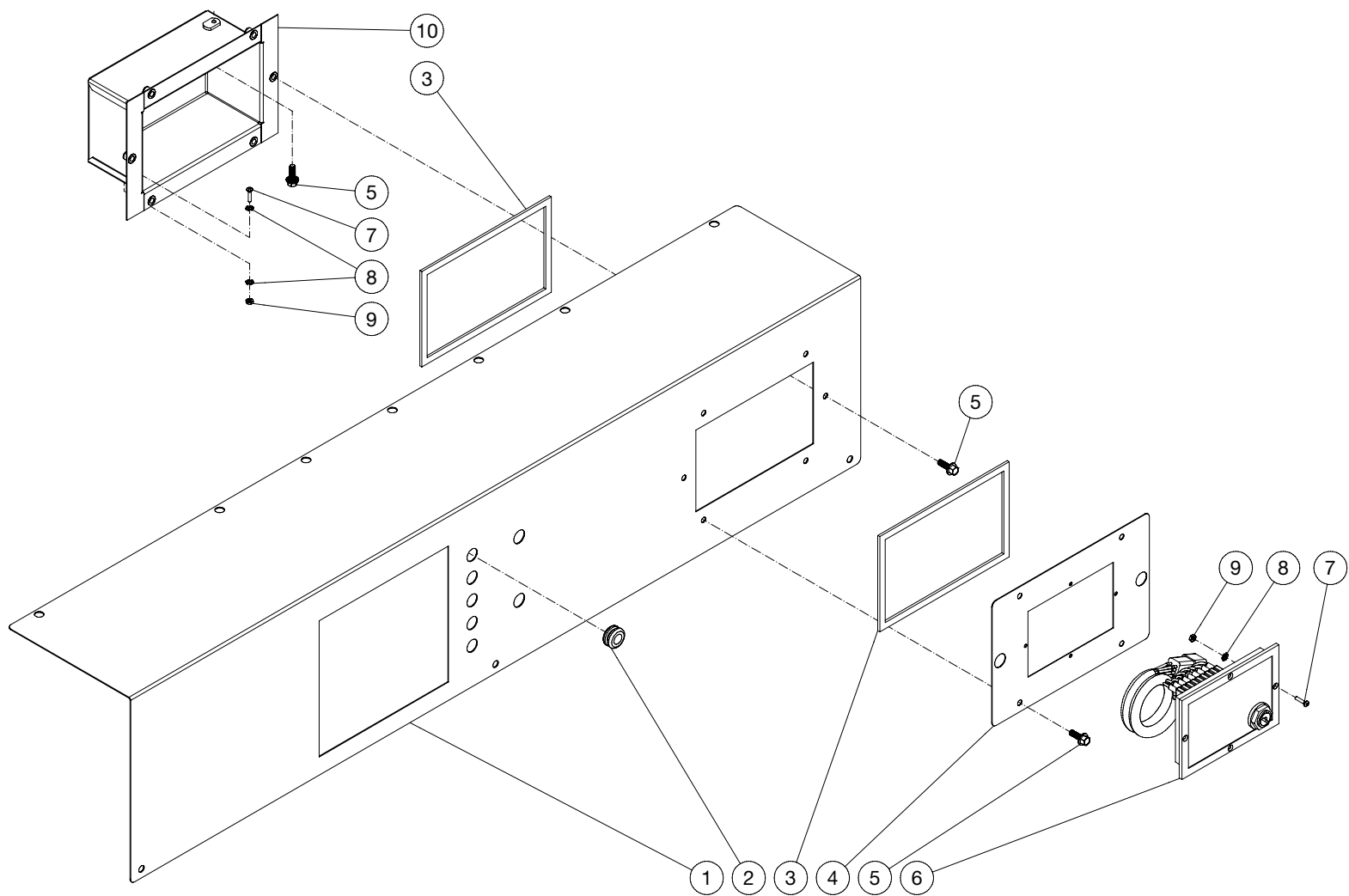
CONTROL PANEL ASSEMBLY (AFTER SERIAL #15146632 AND #15147526)



CONTROL PANEL ASSEMBLY (AFTER SERIAL #15146632 AND #15147526)

HS_HVS CONTROL PANEL ASSYHONDA KOHLER VAN 031725			
CONTROL PANEL ASSEMBLY			
ITEM	DESCRIPTION	PART #	QTY
1	CONTROL PANEL	20-1095A18	1
2	GROMMET	33-0001	5
3	LOCKWASHER	29-0070	1
4	KEY SWITCH (HONDA GX630) (BEFORE SERIAL #15146632)	45-0076	1
-	KEY SWITCH W/HARNESS (HONDA GX630) (AFTER SERIAL #15146632)	45-0889	1
-	KEY SWITCH ONLY (HONDA GX630) (AFTER SERIAL #15146632)	45-1159	1
-	KEY SWITCH (HONDA GX690) (BEFORE SERIAL #15147526)	45-0076	1
-	KEY SWITCH ONLY (HONDA GX690) (AFTER SERIAL #15146632)	45-1159	1
-	KEY SWITCH W/HARNESS (HONDA GX690) (AFTER SERIAL #15147526)	45-0889	1
-	KEY SWITCH (KOHLER)	45-0071	1
-	KEY SWITCH (VANGUARD)	45-0079	1
-	KEY SWITCH W/HARNESS (HX-0311)	45-0889	1
-	KEY SWITCH ONLY (HX-0311)	45-1159	1
5	CHOKE CABLE (KOHLER, VANGUARD, & HX-0311)	33-0081	1

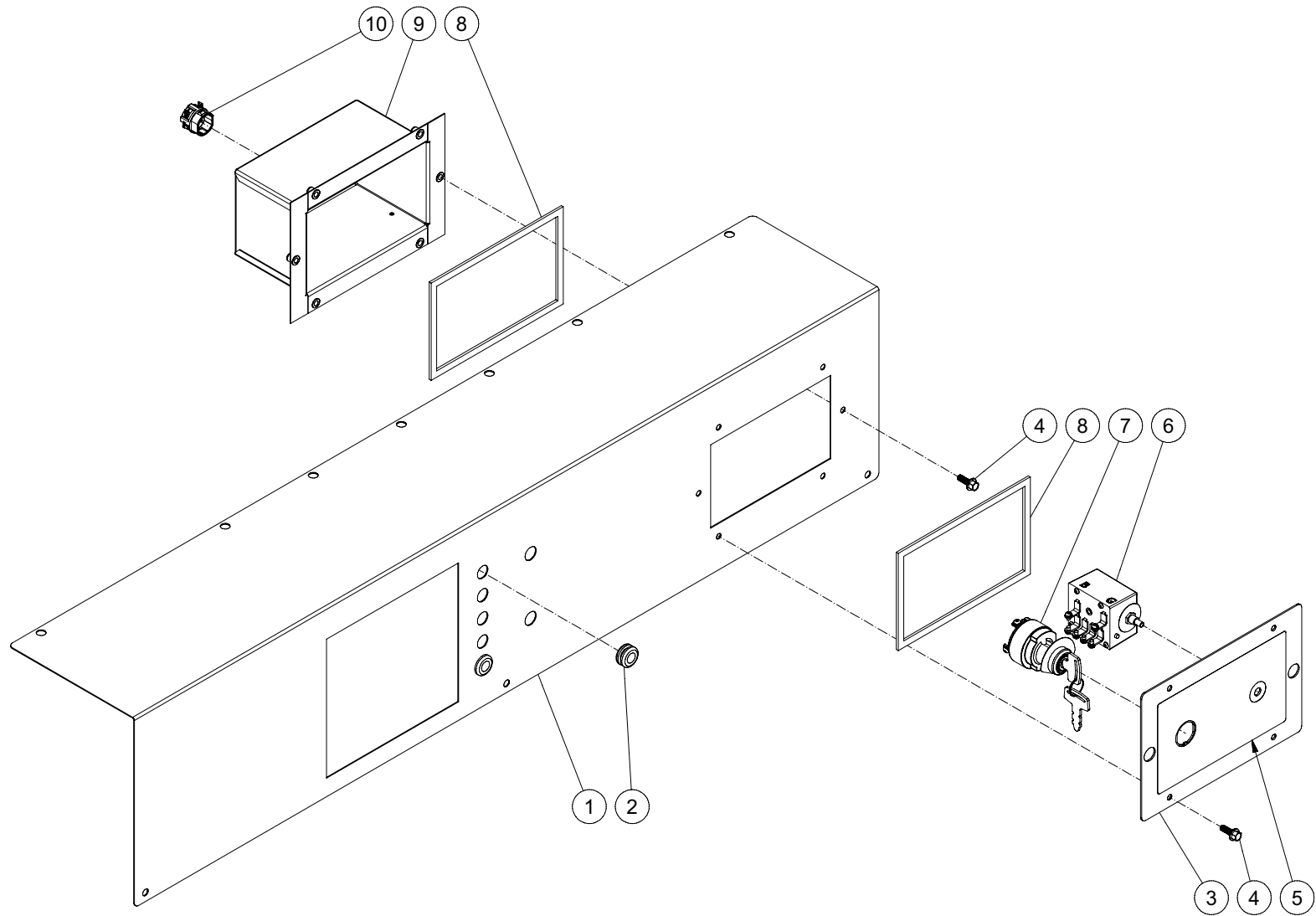
KUBOTA CONTROL PANEL ASSEMBLY (BEFORE SERIAL #15160030)



KUBOTA CONTROL PANEL ASSEMBLY (BEFORE SERIAL #15160030)

HS_HVS KUBOTA CONTROL PANEL ASSY 121019 TJM			
KUBOTA CONTROL PANEL ASSEMBLY			
ITEM	TITLE	PART #	QTY
1	CONTROL PANEL	20-1096A18	1
2	GROMMET (3006/3505/4005)	33-0001	5
-	GROMMET (3008)	33-0001	4
3	GASKET	26-0248	2
4	ELECTRIC BOX PANEL (3006/3505/4005)	21-0227	1
-	ELECTRICAL BOX PANEL (3008)	21-0308	1
5	BOLT	27-1200	7
6	ENGINE CONTROL PANEL (3006/3505/4005)	32-0970	1
-	SWITCH ONLY FOR 32-0970 (3006/3505/4005)	32-0991	1
-	ENGINE CONTROL PANEL (3008)	32-1154	1
7	SCREW (3006/3505/4005)	27-8881	5
-	SCREW (3008)	27-8881	1
8	STAR WASHER (3006/3505/4005)	28-1009	6
-	STAR WASHER (3008)	28-1009	2
9	NUT (3006/3505/4005)	30-0052	5
-	NUT (3008)	30-0052	1
10	ELECTRIC BOX	20-1412A18	1

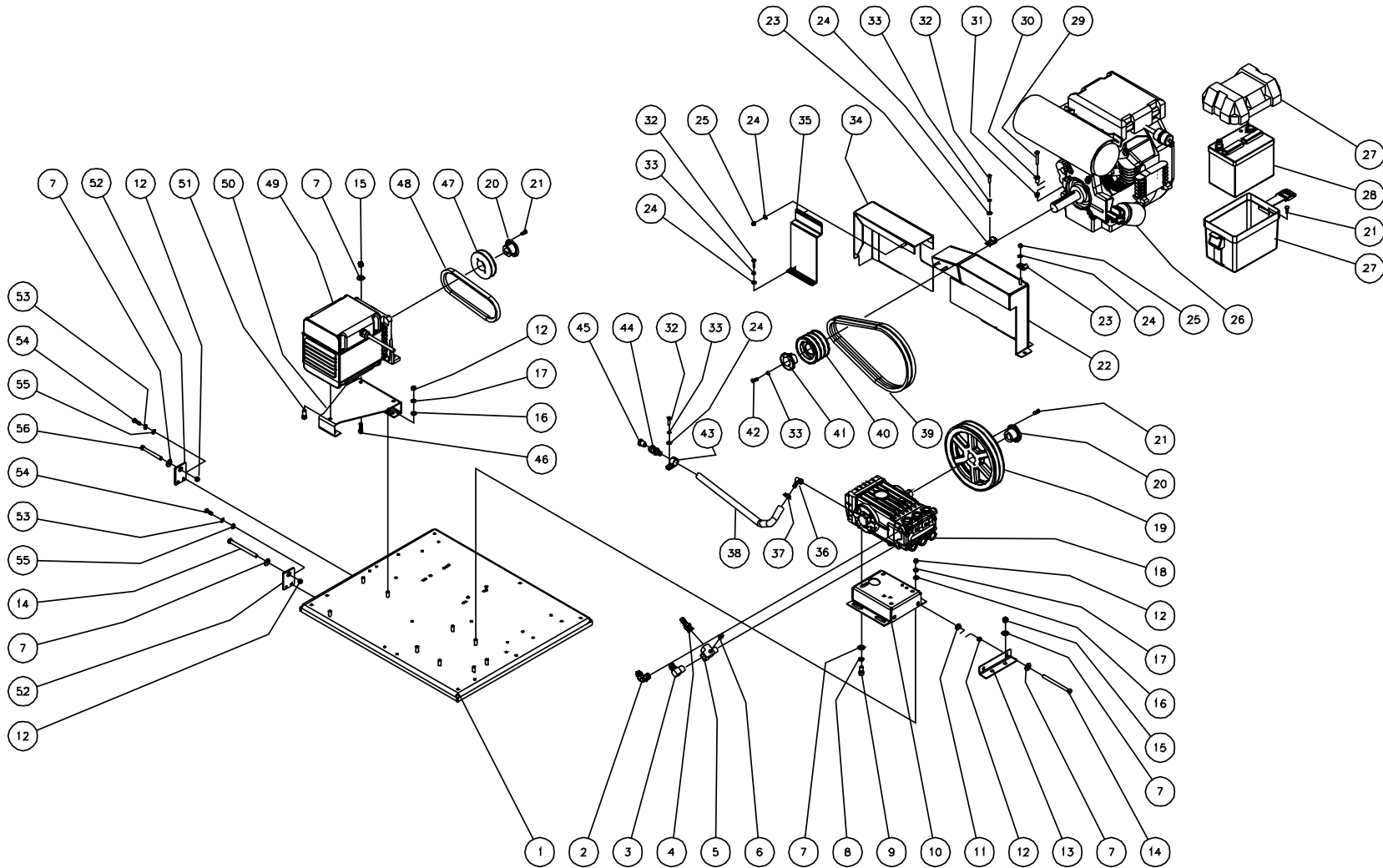
KUBOTA CONTROL PANEL ASSEMBLY (AFTER SERIAL #15160030)



KUBOTA CONTROL PANEL ASSEMBLY (AFTER SERIAL #15160030)

HS_HVS KUBOTA CONTROL PANEL ASSY 042823			
KUBOTA CONTROL PANEL			
ITEM	TITLE	PART #	QTY
1	CONTROL PANEL	20-1096A18	1
2	GROMMET	33-0001	5
3	ELECTRIC BOX PANEL	21-0227	1
4	BOLT	27-1200	6
5	DECAL - CONTROL PANEL	34-4120	1
6	SWITCH	32-1343	1
7	SWITCH	32-1342	1
8	GASKET	26-0248	2
9	ELECTRIC BOX	20-1412A18	1
10	STRAIN RELIEF	32-1290	1

ISOLATION PLATE FOR 3005/3006/3504/3505/3506 (BEFORE SERIAL #15011230)



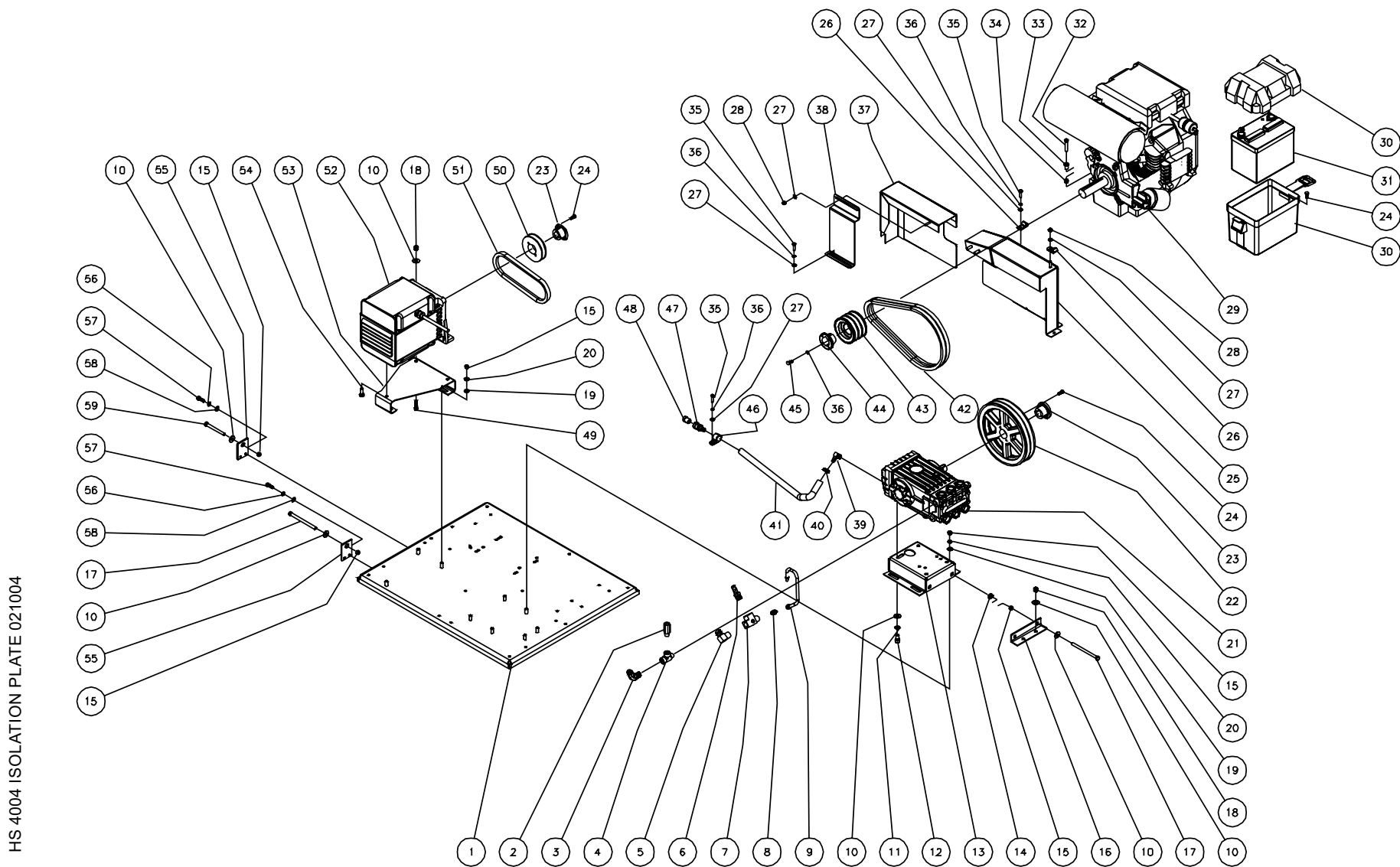
HS-3005/3006/3504/3505/3506 ISOLATION PLATE-021004-KZ

For parts Call 888-279-9274

ISOLATION PLATE FOR 3005/3006/3504/3505/3506 (BEFORE SERIAL #15011230)

ISOLATION PLATE ASSEMBLY								HS-3005/3006/3504/3505/3506 ISOLATION PLATE-021004-KZ	
1	ISOLATION PLATE (3005/3504/3505/3506)	5-0170A18	1	28	BATTERY (3005/3504/3505/3506)	32-0058	1		
-	ISOLATION PLATE (3006)	5-0180A18	1	29	BOLT	27-0070	4		
2	ELBOW	24-0092	1	-	BOLT (KOHLER UNITS ONLY)	27-0120	4		
3	ELBOW	23-0037	1	-	BOLT (DEUTZ RUGGERINI UNITS ONLY)	27-0118	4		
4	HOSE BARB	23-0045	1	30	SHIM (HONDA UNITS ONLY)	33-0169	4		
5	TEE	23-0388	1	-	WASHER (DEUTZ RUGGERINI UNITS ONLY)	28-0022	8		
6	PLUG	23-0238	1	-	WASHER (KOHLER AND VANGUARD ONLY)	28-0003	4		
7	FLATWASHER	28-0023	9	31	NUT (KOHLER AND DEUTZ RUGGERINI UNITS ONLY)	30-0159	4		
8	LOCKWASHER	29-0054	4	-	NUT	30-0157	4		
9	BOLT	27-8884	4	32	BOLT	27-0016	7		
10	PUMP HAT	5-0153A18	1	33	LOCKWASHER	29-0006	9		
11	CLIP NUT	30-6025	2	34	BELTGUARD	6-0091A18	1		
12	HEX NUT	30-0006	11	35	BRACKET COVER	20-0589A18	2		
13	PUMP TENSION BRACKET	20-0584A18	1	36	ELBOW	23-0119	1		
14	BOLT	27-0133	3	37	CLAMP	42-0011	1		
15	NUT	30-0159	4	38	BYPASS HOSE	15-0007	1		
16	WASHER	28-0030	7	39	BELT (3005/3505)	11-0052	2		
17	LOCKWASHER	29-0008	7	-	BELT (3006)	11-0051	2		
18	PUMP (3504)	3-0203	1	-	BELT (3504/3506)	11-0050	2		
-	PUMP (3005/3505/3006/3506/4004)	3-0202	1	40	SHEAVE	10-0061	1		
19	SHEAVE (3005/3505)	10-0037	1	41	BUSHING (3005-0V6G, 3505-0H6G/0V6G)	9-0005	1		
-	SHEAVE (3006/3504/3506)	10-0012	1	-	BUSHING (3005-0K6G, 3506-0H6G, 3006-0R7G)	9-0010	1		
20	BUSHING	9-0017	2	-	BUSHING (3505/3506-0K6G)	9-0007	1		
21	BOLT	27-0015	10	42	SCREW	22-0771	2		
22	PUMP BELTGUARD	6-0092A18	1	43	CLIP	33-0291	1		
23	FUEL LINE CLIP	43-0003	2	44	HOSE BARB	23-0360	1		
24	WASHER	28-0002	11	45	PLUG	23-0411	1		
25	NUT	30-0155	4	46	BOLT	27-0118	2		
26	ENGINE- 18 HP KOHLER (3005/3504-0K6G)	850-0332	1	47	SHEAVE	10-0028	1		
-	ENGINE- 16 HP VANGUARD (3005/3504-0V6G)	850-0294	1	48	BELT	11-0048	1		
-	ENGINE- 19 HP DIESEL DEUTZ RUGGERINI (3006-0R7G)	1-0137	1	49	GENERATOR	850-0298	1		
-	ENGINE- 20 HP HONDA (3505-0H6G) (BEFORE SERIAL #15011230)	850-0300	1	50	GENERATOR HAT	20-0583A18	1		
-	ENGINE- 20 HP HONDA (3505-0H6G) (AFTER SERIAL #15011230)	850-0349	1	51	BOLT	27-8923	1		
-	ENGINE- 20 HP KOHLER (3505-0K6G)	850-0333	1	52	GENERATOR TENSION BRACKET	20-0587A18	2		
-	ENGINE- 21 HP VANGUARD (3505-0V6G)	850-0295	1	53	LOCKWASHER	29-0007	4		
-	ENGINE- 24 HP HONDA (3506-0H6G)	850-0301	1	54	BOLT	27-0067	4		
-	ENGINE- 25 HP KOHLER (3506-0K6G)	850-0293	1	55	WASHER	28-0003	4		
27	BATTERY BOX (3005/3504/3505/3506)	33-0092	1	56	BOLT	27-0127	1		

ISOLATION PLATE FOR 4004 (BEFORE SERIAL #15011230)

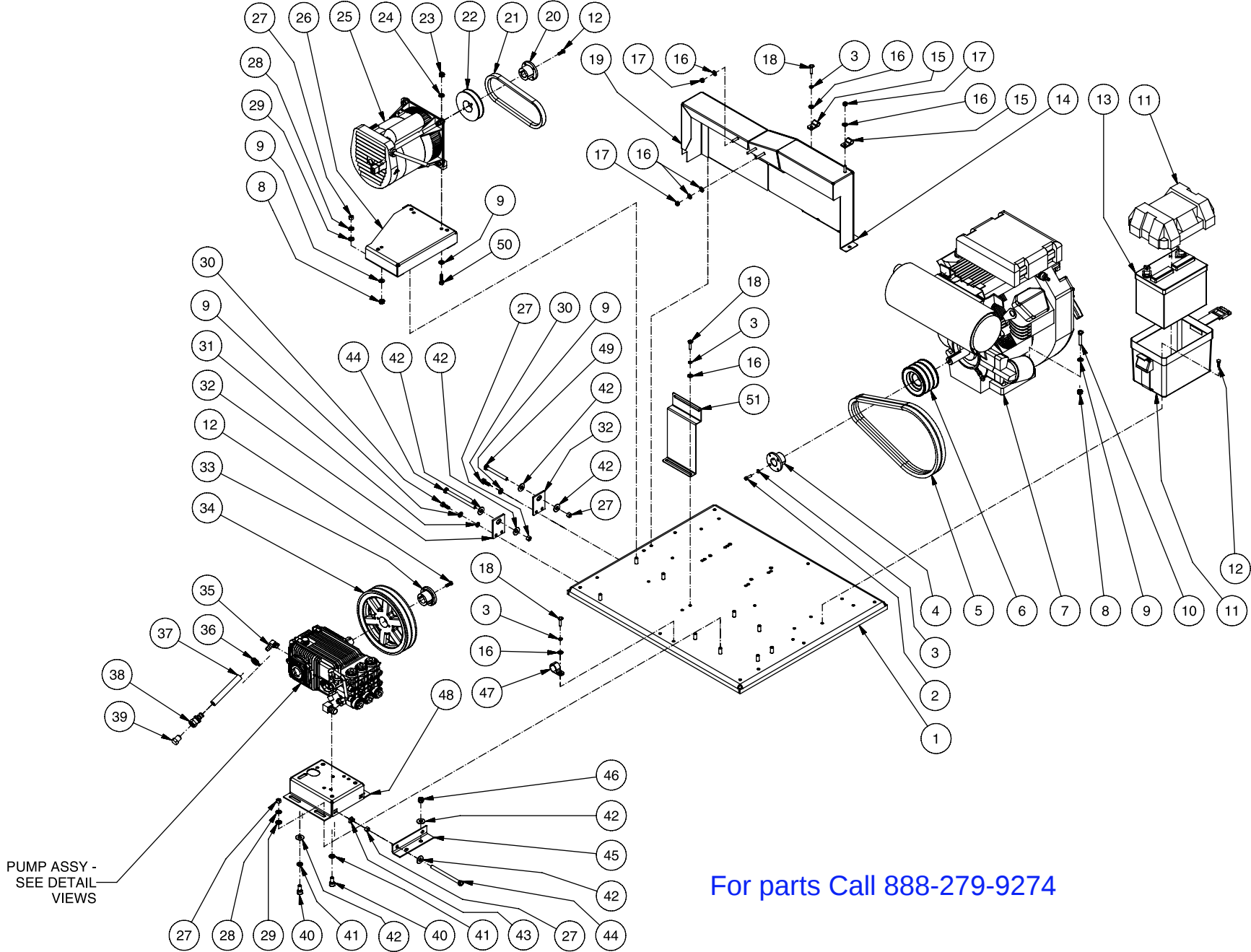


For parts Call 888-279-9274

ISOLATION PLATE FOR 4004 (BEFORE SERIAL #15011230)

ISOLATION PLATE ASSEMBLY								HS 4004 ISOLATION PLATE 021004	
REF. #	DESCRIPTION	PART #	QTY.		REF. #	DESCRIPTION	PART #	QTY.	
1	Isolation Plate (4004)	5-0170A18	1		31	Battery	32-0058	1	
2	Easy Start Valve	22-0242	1		32	Bolt (4004-0H6A/0V6A)	27-0070	4	
3	Elbow	24-0092	1		-	Bolt (4004-0K6A)	27-0120	4	
4	Tee	23-0058	1		33	Shim (4004-0H6A)	33-0169	4	
5	Elbow	23-0037	1		-	Washer (4004-0H6A/0V6A)	28-0003	4	
6	Hose Barb	23-0045	1		34	Locknut (4004-0H6A/0V6A)	30-0157	4	
7	Tee	23-0388	1		-	Nut (4004-0K6A)	30-0159	4	
8	Adapter	23-0247	1		35	Bolt	27-0016	7	
9	Easy Start Hose Assembly	15-0140	1		36	Lockwasher	29-0006	9	
10	Flatwasher	28-0023	9		37	Generator Beltguard	6-0091A18	1	
11	Lockwasher	29-0055	4		38	Bracket Cover	20-0589A18	2	
12	Bolt	27-8471	4		39	Elbow	23-0119	1	
13	Pump Hat	5-0153A18	1		40	Worm Clamp	42-0011	1	
14	Clip Nut	30-6025	2		41	Bypass Hose	15-0007	1	
15	Hex Nut	30-0006	11		42	Belt	11-0050	2	
16	Tension Bracket	20-0584A18	1		43	Sheave	10-0061	1	
17	Bolt	27-0133	3		44	Bushing (4004-0H6A/0V6A)	9-0005	1	
18	Locknut	30-0159	4		-	Bushing (4004-0K6A)	9-0017	1	
19	Washer	28-0030	7		45	Screw	27-0771	2	
20	Lockwasher	29-0008	7		46	Clip	33-0291	1	
21	Pump	3-0213	1		47	Hose Barb	23-0360	1	
22	Sheave	10-0012	1		48	Plug	23-0411	1	
23	Bushing	9-0017	2		49	Bolt	27-0118	2	
24	Bolt	27-0015	10		50	Sheave	10-0028	1	
25	Pump Beltguard	6-0092A18	1		51	Belt	11-0048	1	
26	Fuel Line Clip	43-0003	2		52	Generator	850-0298	1	
27	Washer	28-0002	11		53	Generator Hat	20-0583A18	1	
28	Locknut	30-0155	4		54	Bolt	27-8923	1	
29	Engine- 20 HP Honda (4004-0H6A) (Before Serial #15011230)	850-0300	1		55	Generator Tension Bracket	20-0587A18	2	
-	Engine- 20 HP Honda (4004-0H6A) (After Serial #15011230)	850-0349	1		56	Lockwasher	29-0007	4	
-	Engine- 20 HP Kohler (4004-0K6A)	850-0333	1		57	Bolt	27-0067	4	
-	Engine- 21 HP Vanguard (4004-0V6A)	850-0295	1		58	Washer	28-0003	4	
30	Battery Box	33-0092	1		59	Bolt	27-0127	1	

ISOLATION PLATE FOR 3005/3006/3008/3504/3505/3506/4004 (BETWEEN SERIAL #15011231 - #15022138)

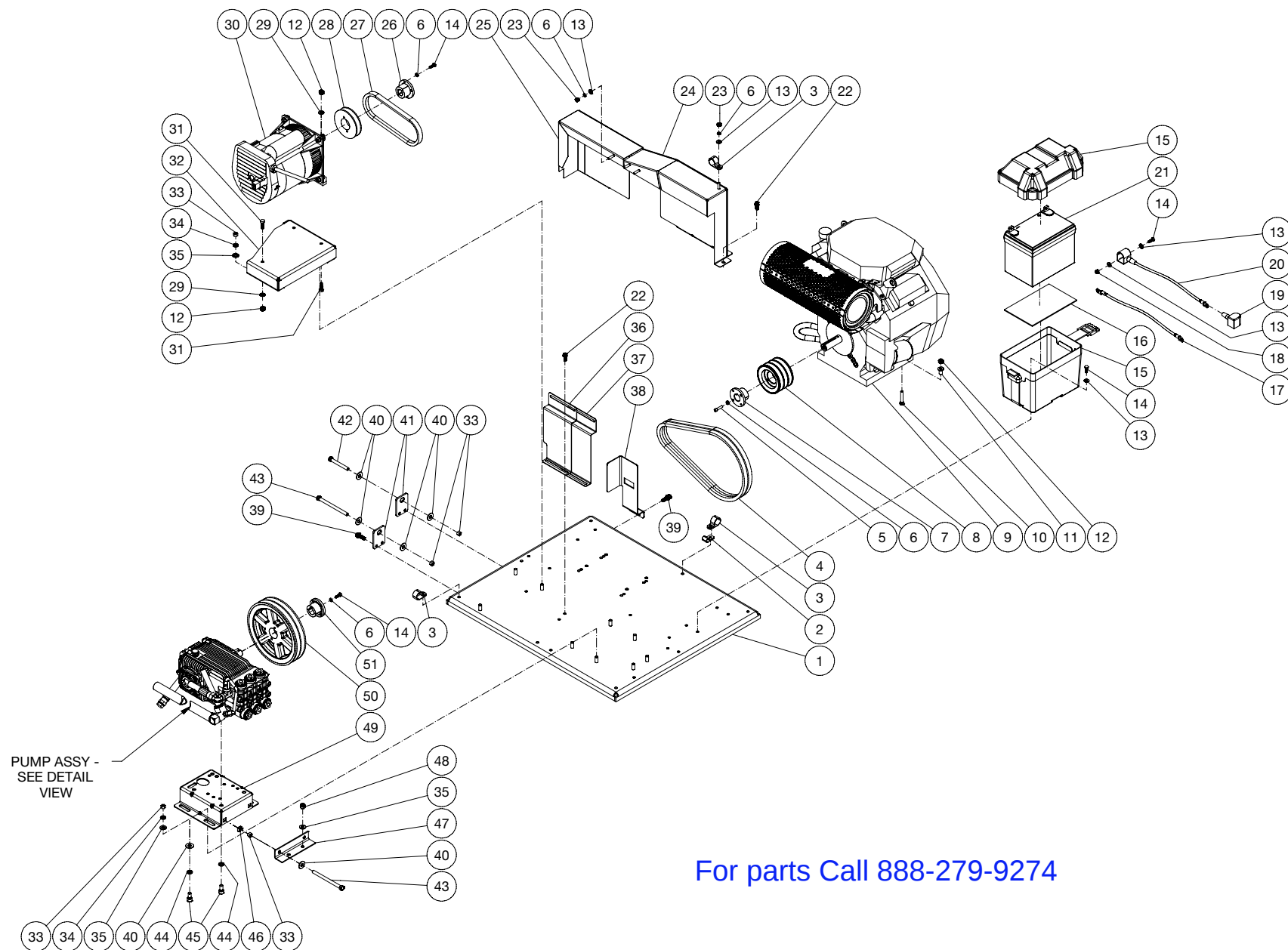


HDS HVS HS ISOLATION PLATE GAS ONLY-071706-PO

ISOLATION PLATE FOR 3005/3006/3008/3504/3505/3506/4004 (BETWEEN SERIAL #15011231 - #15022138)

ISOLATION PLATE				ISOLATION PLATE GAS ONLY-071706			
REF. #	DESCRIPTION	PART #	QTY.	REF. #	DESCRIPTION	PART #	QTY.
1	Isolation Plate	5-0170A18	1	21	Belt	11-0048	1
2	Bolt	27-0771	2	22	Sheave	10-0028	1
3	Lockwasher	29-0006	9	23	Locknut	30-0157	3
4	Bushing (3005/3504/3505-4004)	9-0005	1	24	Washer	28-0003	9
4	Bushing (3005/3506)	9-0010	1	25	Generator (See Exploded Drawing)	850-0352	1
-	Bushing (3505/3506)	9-0007	1	26	Generator Hat	20-0583A18	1
-	Bushing (4004)	9-0017	1	27	Hex Nut	30-0006	11
5	Belt (3005/3505)	11-0052	2	28	Lockwasher	29-0008	7
-	Drive Belt (3504/3506/4004/3008)	11-0050	2	29	Washer	28-0030	7
6	Sheave	10-0061	1	30	Bolt	27-0067	4
7	Engine Assy- Honda 20HP (3505-0H6G/A, 4004-0H6A)	850-0349	1	31	Lockwasher	29-0007	4
-	Engine Assy- Honda 24HP (3506-0H6G/A)	850-0301	1	32	Generator Tension Bracket	20-0587A18	2
-	Engine Assy- Vanguard 16HP (3005/3504-0V6G/A)	850-0294	1	33	Bushing	9-0017	1
-	Engine Assy- Vanguard 21HP (3505-0V6G, 4004-0V6A)	850-0295	1	34	Sheave (3504/3506/4004)	10-0012	1
-	Engine Assy- Kohler 20HP	850-0333	1	-	Sheave (3005/3505)	10-0037	1
-	Engine Assy- Kohler 18HP	850-0332	1	35	Elbow	23-0119	1
-	Engine Assy- Kohler 25 HP	850-0293	1	36	Hose Clamp	42-0011	1
8	Locknut	30-0157	7	37	Hose *(Two Feet Required)	15-0007	2
-	Locknut (Kohler units 5/16-18)	30-0157	3	38	Hose Barb	23-0360	1
-	Locknut (Kohler units 3/8-16)	30-0159	4	39	Plug	23-0411	1
9	Washer (3005/3504/3505-0V6G/A, 4004-0V6A)	28-0003	4	40	Bolt (3005/3504/3505/3506)	27-8884	4
9	Shim (3505/3506-0H6G/A, 4004-0H6A)	33-0169	4	-	Bolt (4004)	27-8471	4
10	Bolt (Honda/Vanguard)	27-0070	4	41	Lockwasher (4004)	29-0055	4
10	Bolt (Kohler)	27-0120	4	-	Lockwasher (3005/3504/3505/3506)	29-0054	4
11	Battery Box	33-0092	1	42	Flatwasher	28-0023	9
12	Bolt	27-0015	10	43	Clip Nut	30-6025	2
13	Not Included		1	44	Bolt	27-0133	3
14	Pump Beltguard	6-0092A18	1	45	Tension Bracket	20-0584A18	1
15	Clip	43-0003	2	46	Locknut	30-0159	2
16	Washer	28-0002	11	47	Tube Clip	33-0291	1
17	Locknut	30-0155	4	48	Pump Hat	5-0153A18	1
18	Bolt'	27-0016	7	-	Pump Hat	5-0154A18	1
19	Generator Beltguard	6-0091A18	1	49	Bolt	27-0576	1
-	Engine Beltguard	06-0090A18	1	50	Bolt	27-0068	3
20	Bushing	9-0033	1	51	Bracket	20-0589A18	2

ISOLATION PLATE FOR GASOLINE 3005/3006/3008/3504/3505/3506/4004 (BETWEEN SERIAL #15022139 AND 15167938)

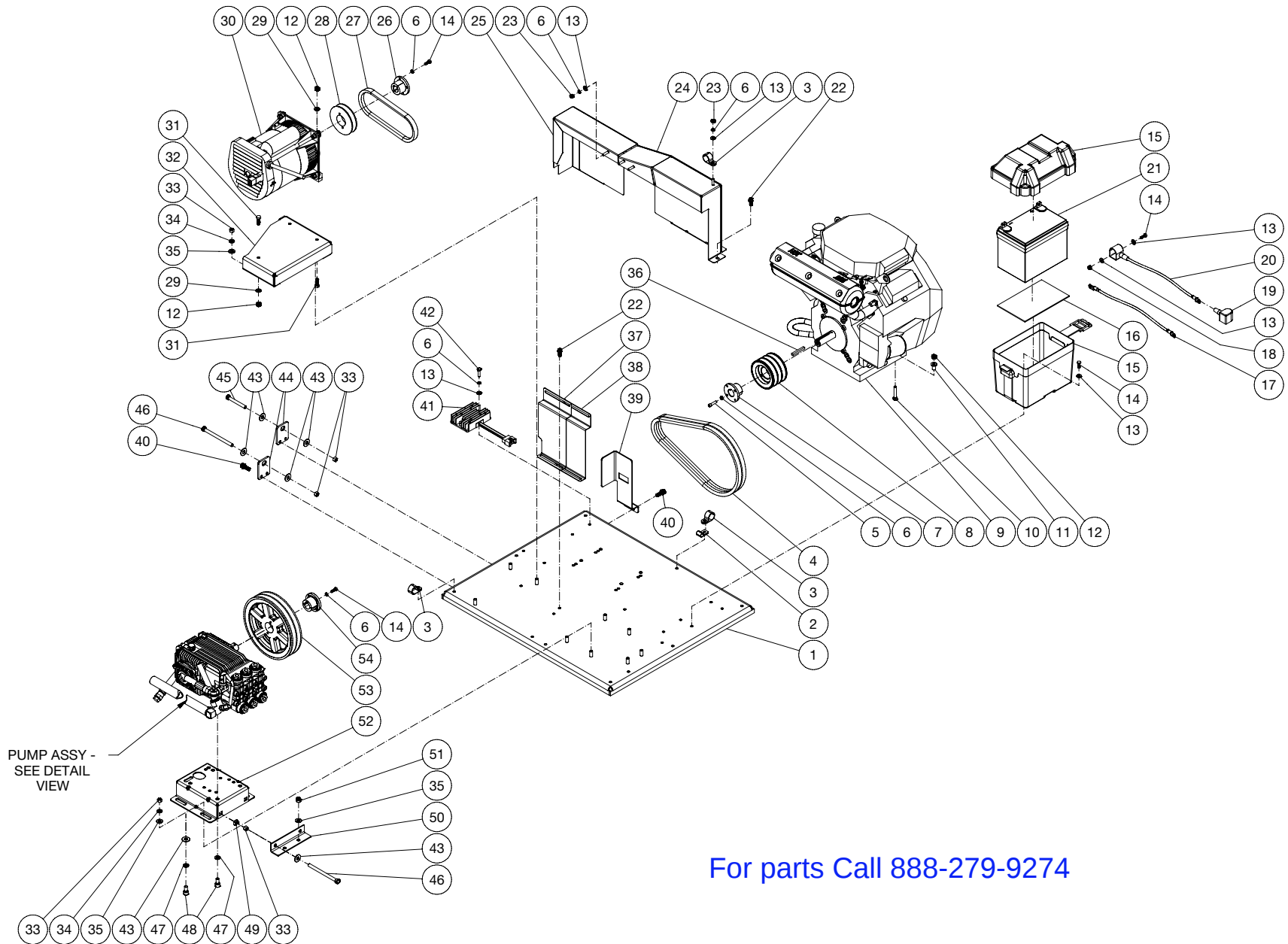


For parts Call 888-279-9274

ISOLATION PLATE FOR GASOLINE 3005/3006/3008/3504/3505/3506/4004 (BETWEEN SERIAL #15022139 AND 15167938)

ISOLATION PLATE				HS_HVS ISOLATION PLATE 042424
ITEM	DESCRIPTION	PART #	QTY	
1	ISOLATION PLATE	5-0170A18	1	
2	CLIP (HONDA/KOHLER/MI-T-M ENGINES)	43-0003	1	
3	CLIP (HONDA/KOHLER/MI-T-M ENGINES)	33-0291	3	
-	CLIP (VANGUARD ENGINES)	33-0291	4	
4	BELT (3506 HONDA/KOHLER/MITM, 4004 HONDA/KOHLER)	11-0050	2	
-	BELT (3005 VANGUARD, 3505 HONDA/KOHLER/VANGUARD/MITM)	11-0052	2	
-	BELT (3008)	11-0101	2	
5	BOLT	27-0850	2	
6	LOCKWASHER	29-0006	10	
7	BUSHING (3005 VANGUARD, 3505 HONDA/VANGUARD/MITM, 3506 HONDA/MITM, 4004 HONDA)	9-0005	1	
-	BUSHING (3008 KOHLER, 3505 KOHLER, 3506 KOHLER, 4004 KOHLER)	9-0007	1	
-	BUSHING (3008 HONDA)	9-0010	1	
8	SHEAVE (3008 HONDA/KOHLER)	10-0011	1	
-	SHEAVE (3005 VANGUARD, 3505 HONDA/KOHLER/VANGUARD/MITM, 3506 HONDA/KOHLER/MITM, 4004 HONDA/KOHLER)	10-0061	1	
9	ENGINE (3008/3506 KOHLER)	850-0293	1	
-	ENGINE (3005 VANGUARD)	850-0294	1	
-	ENGINE (3505 VANGUARD)	850-0295	1	
-	ENGINE (3005 VANGUARD)	850-0330	1	
-	ENGINE (3505 KOHLER, 4004 KOHLER)	850-0333	1	
-	ENGINE (3505 HONDA, 3506 HONDA, 4004 HONDA)	850-0393	1	
-	ENGINE (3008 HONDA)	850-0394	1	
-	ENGINE (3505 MITM, 3506 MITM)	1-0266	1	
10	BOLT (HONDA & VANGUARD ENGINES)	27-0070	4	
-	BOLT (KOHLER & MI-T-M ENGINES)	27-0120	4	
11	SHIM (HONDA ENGINE)	33-0169	4	
-	WASHER (VANGUARD ENGINE)	28-0003	4	
-	WASHER (KOHLER & MI-T-M ENGINES)	28-0004	4	
12	LOCKNUT (HONDA & VANGUARD ENGINES)	30-0157	7	
-	LOCKNUT (KOHLER & MI-T-M ENGINES)	30-0159	4	
13	WASHER	28-0002	12	
14	BOLT	27-0015	10	
15	BATTERY BOX	33-0092	1	
16	RUBBER PAD	33-0509	1	
17	CABLE	32-9113	1	
18	LOCKNUT	30-0155	2	
19	BATTERY CABLE COVER	33-0004	1	
20	CABLE	32-9114	1	
21	BATTERY (NOT SHIPPED WITH HVS UNITS)	N/A	1	
22	BOLT	27-1200	6	
23	NUT	30-0002	4	
24	PUMP BELTGUARD	6-0092A18	1	
-	BELTGUARD-PUMP (3-0202 PUMP ONLY)	6-0205A18		
25	GENERATOR BELTGUARD	6-0091A18	1	
26	BUSHING	9-0033	1	
27	ALT BELT (3005 VANGUARD, 3505 HONDA/KOHLER/VANGUARD/MITM, 3506 HONDA/KOHLER/MITM, 4004 HONDA/KOHLER)	11-0048	1	
-	ALT BELT (3008 HONDA/KOHLER)	11-0074	1	
28	SHEAVE (3005 VANGUARD, 3505 HONDA/KOHLER/VANGUARD/MITM, 3506 HONDA/KOHLER/MITM, 4004 HONDA/KOHLER)	10-0028	1	
-	SHEAVE (3008 HONDA/KOHLER)	10-0039	1	
29	WASHER	28-0003	3	
30	ALTERNATOR	850-0352	1	
31	BOLT	27-0067	3	
32	ALTERNATOR HAT	20-0583A18	1	
33	NUT	30-0006	11	
34	LOCKWASHER	29-0008	7	
35	WASHER	28-0004	9	
36	BRACKET	20-1642A18	1	
37	BELTGUARD COVER	20-0589A18	1	
38	KEY SWITCH BRACKET (HONDA ENGINE)	20-1684A18	1	
39	BOLT (HONDA UNITS)	27-1201	6	
-	BOLT (KOHLER/VANGUARD/MI-T-M UNITS)	27-1201	4	
40	WASHER	28-0023	7	
41	TENSION BRACKET	20-0587A18	2	
42	BOLT	27-0576	1	
43	BOLT	27-0133	3	
44	LOCKWASHER (A/R MODELS)	29-0055	4	
-	LOCKWASHER (GENERAL MODELS)	29-0054	4	
45	BOLT (A/R MODELS)	27-8471	4	
-	BOLT (GENERAL MODELS)	27-8884	4	
46	CLIP NUT	30-6025	2	
47	TENSION BRACKET	20-0584A18	1	
48	LOCKNUT	30-0159	2	
49	PUMP HAT	5-0153A18	1	
50	SHEAVE (3005 VANGUARD, 3008 HONDA/KOHLER, 3505 HONDA/KOHLER/VANGUARD/MITM)	10-0037	1	
-	SHEAVE (3506 HONDA/KOHLER/MITM, 4004 HONDA/KOHLER)	10-0012	1	
51	BUSHING	9-0017	1	

ISOLATION PLATE FOR GASOLINE 3005/3006/3008/3504/3505/3506/4004 (AFTER SERIAL #15167938)

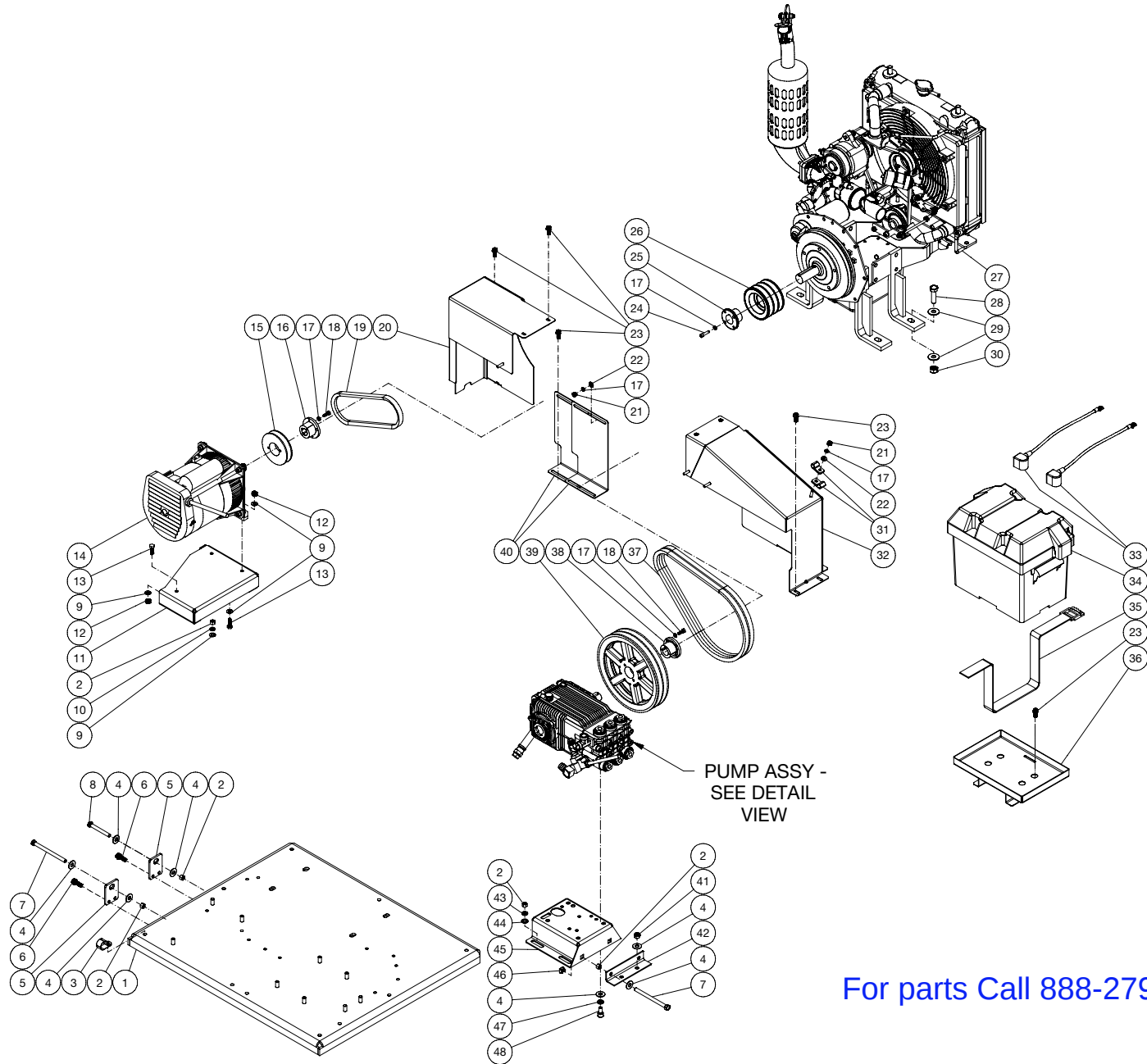


HS_HVS ISOLATION PLATE 071624

ISOLATION PLATE FOR GASOLINE 3005/3006/3008/3504/3505/3506/4004 (AFTER SERIAL #15167938)

ISOLATION PLATE				ISOLATION PLATE			
ITEM	DESCRIPTION	PART #	QTY	ITEM	DESCRIPTION	PART #	QTY
1	ISOLATION PLATE	5-0170A18	1	23	NUT	30-0002	4
2	CLIP (HONDA/KOHLER/MI-T-M ENGINES)	43-0003	1	-	BELTGUARD-PUMP (3-0202 PUMP ONLY)	6-0205A18	1
3	CLIP (HONDA/KOHLER/MI-T-M ENGINES)	33-0291	3	24	PUMP BELTGUARD	6-0092A18	1
-	CLIP (VANGUARD ENGINES)	33-0291	4	25	GENERATOR BELTGUARD	6-0091A18	1
4	BELT (3506 HONDA/KOHLER/MITM, 4004 HONDA/KOHLER)	11-0050	2	26	BUSHING	9-0033	1
-	BELT (3005 VANGUARD, 3505 HONDA/KOHLER/VANGUARD/MITM)	11-0052	2	27	ALT BELT (3005 VANGUARD, 3505 HONDA/KOHLER/VANGUARD/MITM, 3506 HONDA/KOHLER/MITM, 4004 HONDA/KOHLER)	11-0048	1
-	BELT (3008)	11-0101	2	-	ALT BELT (3008 HONDA/KOHLER)	11-0074	1
5	BOLT	27-0850	2	28	SHEAVE (3005 VANGUARD, 3505 HONDA/KOHLER/VANGUARD/MITM, 3506 HONDA/KOHLER/MITM, 4004 HONDA/KOHLER)	10-0028	1
6	LOCKWASHER	29-0006	12	-	SHEAVE (3008 HONDA/KOHLER)	10-0039	1
-	LOCK WASHER - 1/4"	29-0006	10	29	WASHER	28-0003	3
7	BUSHING (3005 VANGUARD, 3505 HONDA/VANGUARD/MITM, 3506 HONDA/MITM, 4004 HONDA)	9-0005	1	30	ALTERNATOR	850-0352	1
-	BUSHING (3008 KOHLER, 3505 KOHLER, 3506 KOHLER, 4004 KOHLER)	9-0007	1	31	BOLT	27-0067	3
-	BUSHING (3008 HONDA)	9-0010	1	32	ALTERNATOR HAT	20-0583A18	1
8	SHEAVE (3008 HONDA/KOHLER)	10-0011	1	33	NUT	30-0006	11
-	SHEAVE (3005 VANGUARD, 3505 HONDA/KOHLER/VANGUARD/MITM, 3506 HONDA/KOHLER/MITM, 4004 HONDA/KOHLER)	10-0061	1	34	LOCKWASHER	29-0008	7
9	ENGINE (3008/3506 KOHLER)	850-0293	1	35	WASHER	28-0004	9
-	ENGINE (3005 VANGUARD)	850-0294	1	36	KEY	43-0078	1
-	ENGINE (3505 VANGUARD)	850-0295	1	37	BRACKET	20-1642A18	1
-	ENGINE (3505 KOHLER, 4004 KOHLER)	850-0333	1	38	BELTGUARD COVER	20-0589A18	1
-	ENGINE (HX-0311)	850-0393	1	39	KEY SWITCH BRACKET (HVS HONDAS & HX-0311)	20-1684A18	1
-	ENGINE(HONDA)	850-0461	1	40	BOLT (HVS HONDAS & HX-0311)	27-1201	6
-	ENGINE (3505 MITM)	1-0266	1	-	BOLT (KOHLER/VANGUARD/MI-T-M UNITS)	27-1201	4
10	BOLT (HONDA & VANGUARD ENGINES)	27-0070	4	41	RECTIFIER	W/ ENGINE	1
-	BOLT (KOHLER & MI-T-M ENGINES)	27-0120	4	42	BOLT (HONDA UNITS)	27-0016	2
11	SHIM (HONDA ENGINE)	33-0169	4	43	WASHER	28-0023	7
-	WASHER (VANGUARD ENGINE)	28-0003	4	44	TENSION BRACKET	20-0587A18	2
-	WASHER (KOHLER & MI-T-M ENGINES)	28-0004	4	45	BOLT	27-0576	1
12	LOCKNUT (HONDA & VANGUARD ENGINES)	30-0157	7	46	BOLT	27-0133	3
-	LOCKNUT (KOHLER & MI-T-M ENGINES)	30-0159	4	47	LOCKWASHER (A/R MODELS)	29-0055	4
13	WASHER	28-0002	14	-	LOCKWASHER (GENERAL MODELS)	29-0054	4
-	WASHER (KOHLER/VANGUARD/MI-T-M UNITS)	28-0002	12	48	BOLT (A/R MODELS)	27-8471	4
14	BOLT	27-0015	10	-	BOLT (GENERAL MODELS)	27-8884	4
15	BATTERY BOX	33-0092	1	49	CLIP NUT	30-6025	2
16	RUBBER PAD	33-0509	1	50	TENSION BRACKET	20-0584A18	1
17	CABLE	32-9113	1	51	LOCKNUT	30-0159	2
18	LOCKNUT	30-0155	2	52	PUMP HAT	5-0153A18	1
19	BATTERY CABLE COVER	33-0004	1	53	SHEAVE (3005 VANGUARD, 3008 HONDA/KOHLER, 3505 HONDA/KOHLER/VANGUARD/MITM)	10-0037	1
20	CABLE	32-9114	1	-	SHEAVE (3506 HONDA/KOHLER/MITM, 4004 HONDA/KOHLER)	10-0012	1
21	BATTERY (NOT SHIPPED WITH HVS UNITS)	N/A	1	54	BUSHING	9-0017	1
22	BOLT	27-1200	6				

ISOLATION PLATE FOR DIESEL (3006/3505/3008/4005)

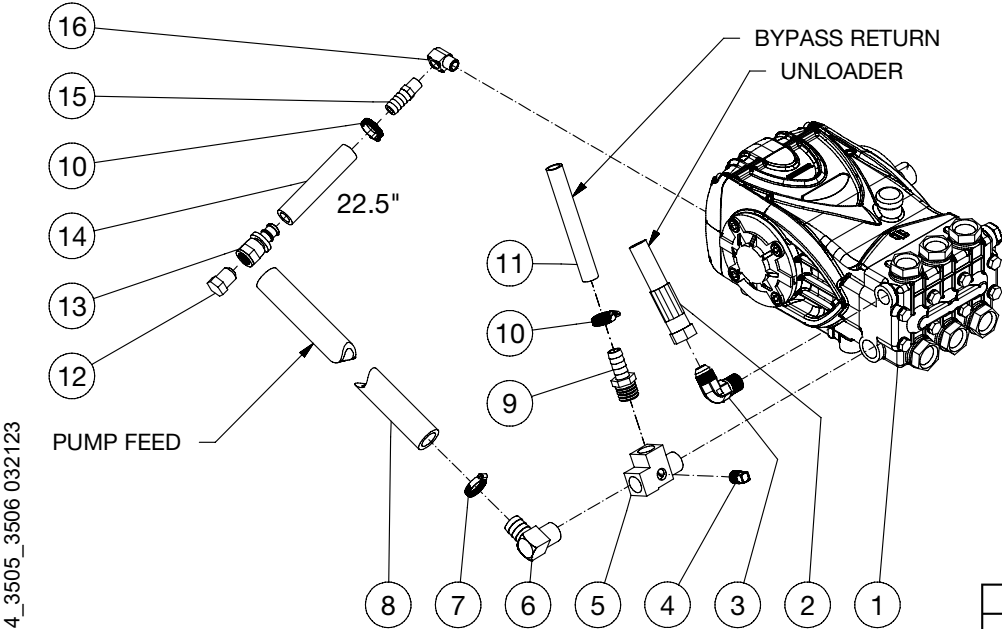


For parts Call 888-279-9274

ISOLATION PLATE FOR DIESEL (3006/3505/3008/4005)

HDS_HVS_HS KUBOTA ISO PLATE 071123			
KUBOTA ISOLATION PLATE			
ITEM	DESCRIPTION	PART #	QTY
1	ISOLATION PLATE (3006/3505/4005)	5-0257A18	1
-	ISOLATION PLATE (3008)	5-0310A18	1
2	NUT	30-0006	11
3	CLIP	33-0291	1
4	WASHER	28-0023	12
5	TENSION BRACKET	20-0587A18	2
6	BOLT	27-1201	4
7	BOLT	27-0133	3
8	BOLT	27-0576	1
9	WASHER	28-0003	8
10	LOCKWASHER	29-0007	3
11	ALTERNATOR HAT	20-0583A18	1
12	LOCKNUT	30-0157	3
13	BOLT	27-0067	3
14	ALTERNATOR	850-0352	1
15	SHEAVE	10-0028	1
16	BUSHING	9-0033	1
17	LOCKWASHER	29-0006	10
18	BOLT	27-0015	4
19	BELT	11-0070	1
20	ALTERNATOR BELTGUARD (3006/3505/4005)	6-0160A18	1
-	ALTERNATOR BELTGUARD (3008)	6-0169A18	1
21	NUT	30-0002	4
22	WASHER	28-0002	4
23	BOLT (3008)	27-1200	14
-	BOLT (3006/3505/4005)	27-1200	10
24	BOLT	27-0850	2
25	BUSHING	9-0010	1
26	SHEAVE	10-0061	1
27	ENGINE	850-0358	1
28	BOLT (3006/3505/4005)	27-0219	4
-	BOLT (3008)	27-0219	8
29	WASHER (3006/3505/4005)	28-0024	8
-	WASHER (3008)	28-0024	16
30	NUT (3006/3505/4005)	30-0163	4
-	LOCKNUT (3008)	30-0163	8
31	CLIP	43-0003	2
32	PUMP BELTGUARD (3006/3505/4005)	6-0159A18	1
-	BELTGUARD - PUMP (3008)	6-0168A18	1
-	BELTGUARD-PUMP (3-0202 PUMP ONLY)	6-0206A18	1
33	WIRE KIT (3008)	32-9106	2
34	BATTERY BOX (3008)	33-0093	1
35	STRAP (3008)	33-0089	1
36	BATTERY TRAY (3008)	20-1135A18	1
37	BELT	11-0101	2
38	BUSHING	9-0017	1
39	SHEAVE	10-0037	1
40	BELTGUARD COVER (3006/3505/4005)	6-0161A18	2
-	BELTGUARD - SIDE PANEL (3008)	6-0170A18	2
41	LOCKNUT	30-0159	2
42	TENSION BRACKET	20-0584A18	1
43	LOCKWASHER	29-0008	4
44	WASHER	28-0030	4
45	PUMP HAT (3006/3505/4005)	5-0262A18	1
-	PUMP HAT (3008)	5-0338A18	1
46	CLIP NUT (3006/3505/4005)	30-6025	2
-	CLIP NUT (3008)	30-6029	2
47	LOCKWASHER	29-0055	4
48	BOLT	27-8471	4

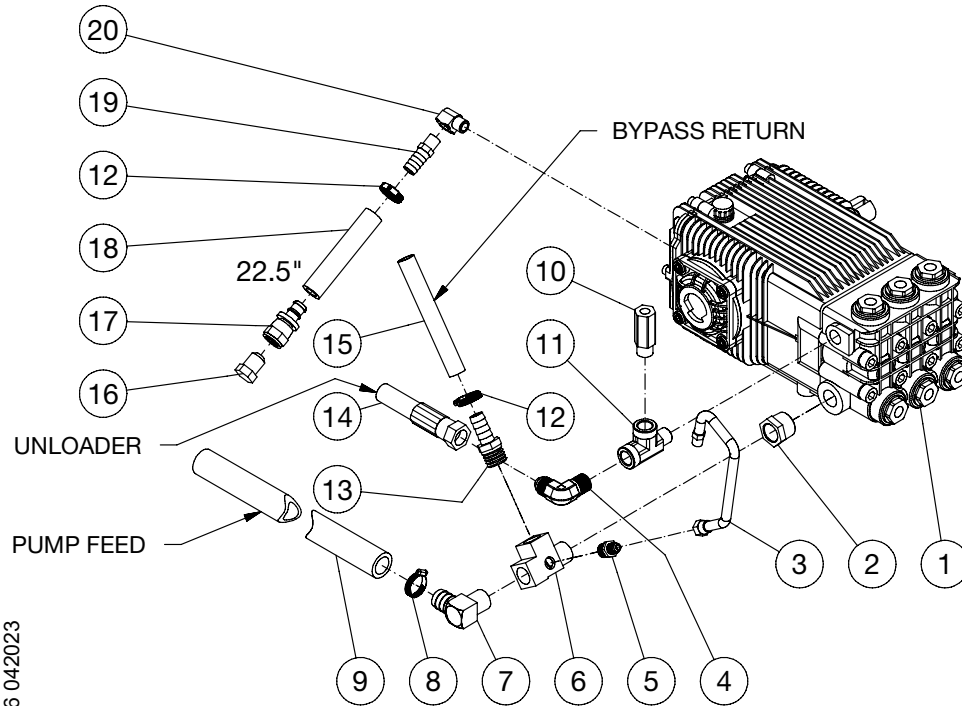
PUMP PLUMBING (3005/3006/3504/3505/3506)



For parts Call 888-279-9274

HS PUMP PLUMBING DIAGRAM 3005_3006_3504_3505_3506 032123			
PUMP PLUMBING			
ITEM	DESCRIPTION	PART #	QTY
1	PUMP	3-0202	1
-	PUMP/GENERAL (3504)	3-0203	1
2	HIGH PRESSURE HOSE ASSEMBLY	15-0221	1
3	ELBOW	24-0092	1
4	PLUG	24-0009	1
5	STREET TEE	23-0388	1
6	ELBOW	23-0037	1
7	HOSE CLAMP	42-0003	1
8	HOSE *(TWO FEET REQUIRED)	15-0033	1
9	BARB	23-0045	1
10	HOSE CLAMP	42-0011	2
11	HOSE *(THREE FEET REQUIRED)	15-0007	1
12	PLUG	23-0411	1
13	HOSE BARB	23-0360	1
14	HOSE *(TWO FEET REQUIRED)	15-0305	1
15	HOSE BARB	23-0120	1
16	ELBOW	23-0014	1
*MUST ORDER IN ONE FOOT LENGTHS			

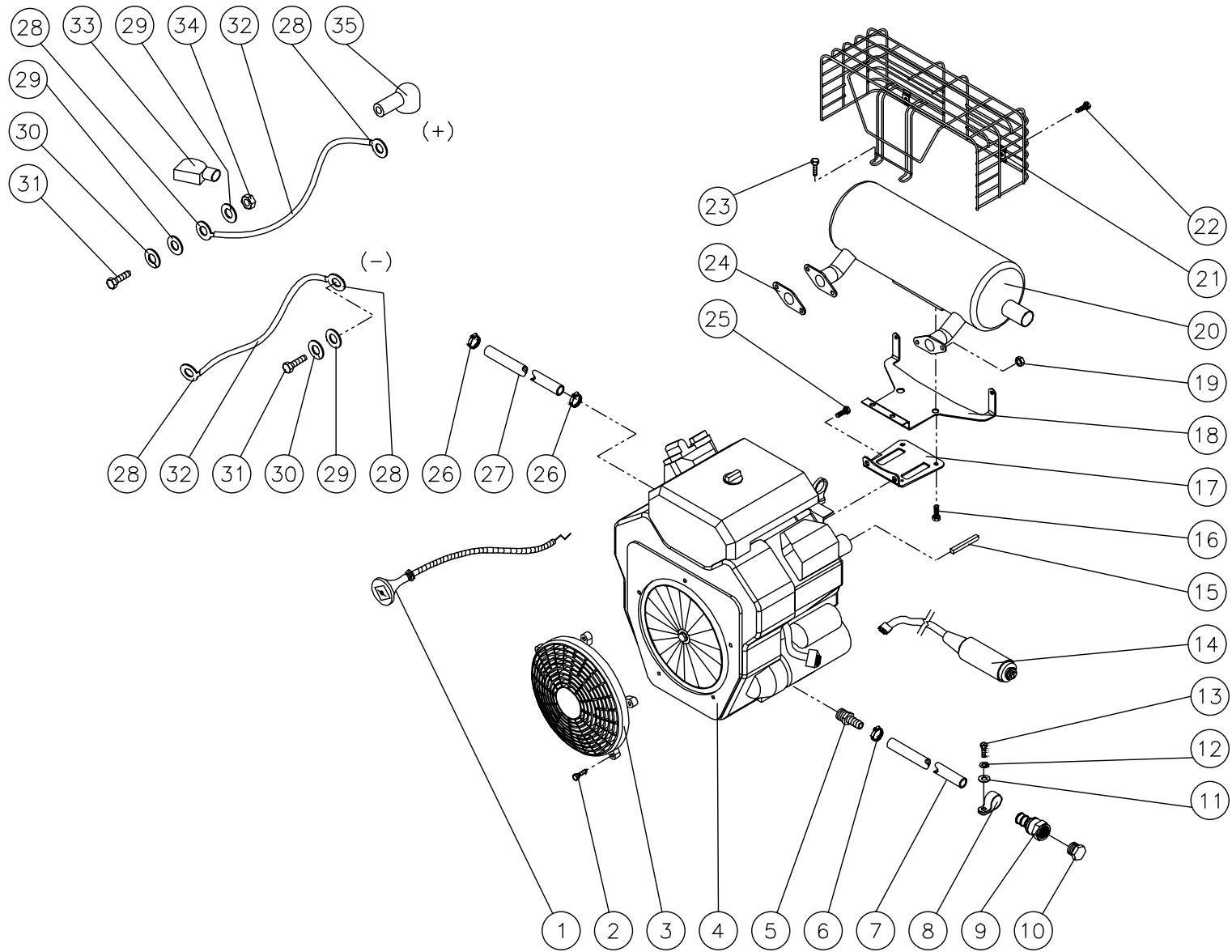
PUMP PLUMBING (4004/4005/3008)



For parts Call 888-279-9274

HS_HVS PUMP PLUMBING DIAGRAM 4004 4005 3008 3006 042023			
PUMP PLUMBING			
ITEM	DESCRIPTION	PART #	QTY
1	PUMP (4004)	3-0213	1
-	PUMP (4005)	3-0262	1
-	PUMP (3008)	3-0301	1
-	PUMP (3006-0MDK-OG)	3-0202	1
2	BUSHING (3008)	23-0023	1
3	EASY START HOSE	15-0140	1
4	ELBOW	24-0092	1
5	NIPPLE	23-0247	1
6	STREET TEE	23-0388	1
7	ELBOW	23-0037	1
8	HOSE CLAMP	42-0003	1
9	HOSE *(TWO FEET REQUIRED)	15-0033	1
10	EASY START VALVE	22-0242	1
11	STREET TEE	23-0058	1
12	HOSE CLAMP	42-0011	2
13	BARB	23-0045	1
14	HIGH PRESSURE HOSE ASSEMBLY	15-0221	1
15	HOSE *(THREE FEET REQUIRED) (3008/4004)	15-0007	1
-	HOSE *(THREE FEET REQUIRED) (4005)	15-0007	1
16	PLUG	23-0411	1
17	HOSE BARB	23-0360	1
18	HOSE *(TWO FEET REQUIRED)	15-0305	1
19	HOSE BARB (3006-0MDK-OG)	23-0120	1
-	ELBOW	23-0119	1
20	ELBOW (3006-0MDK-OG)	23-0014	1
*MUST ORDER IN ONE FOOT LENGTHS			

ENGINE ASSEMBLY (850-0291)



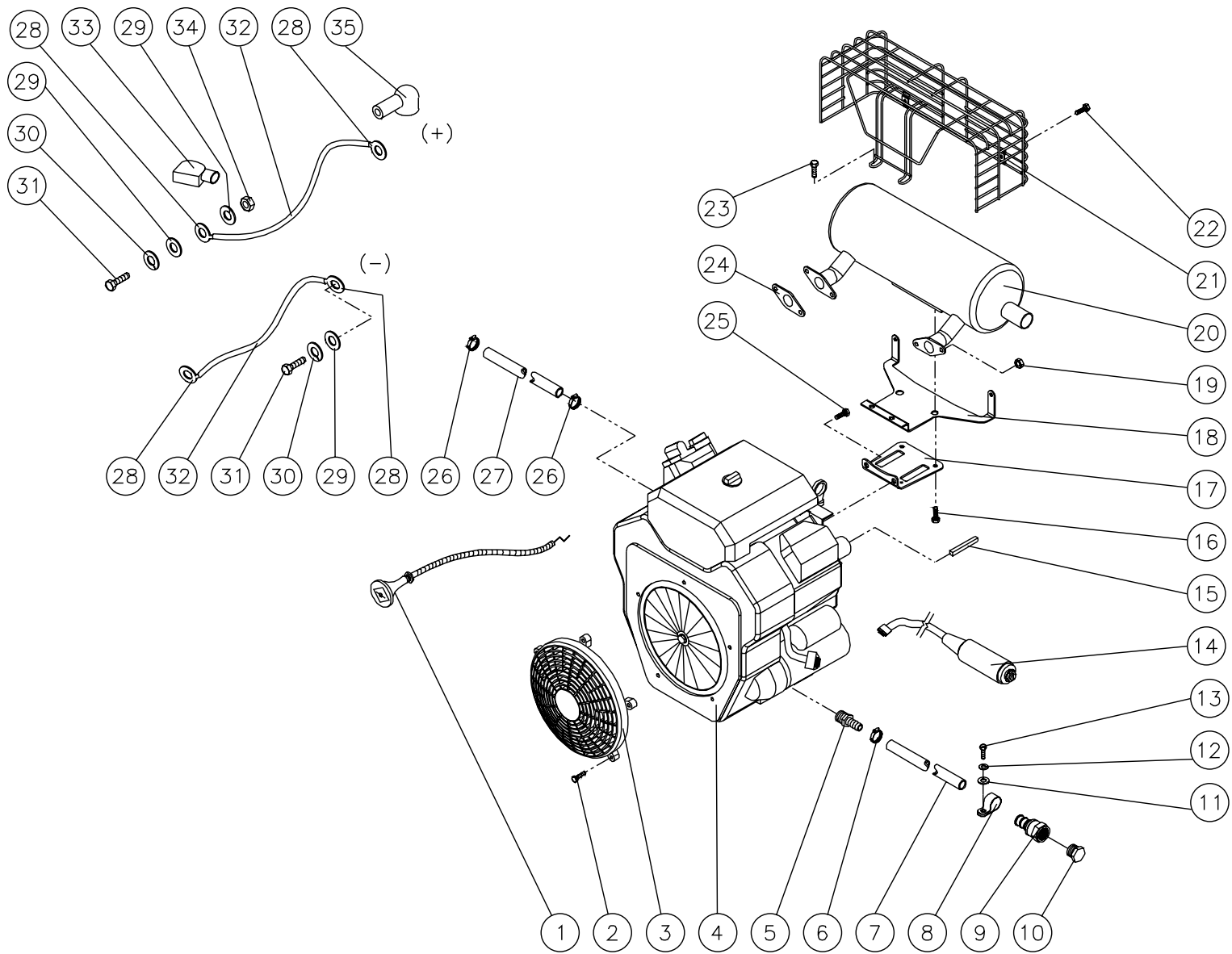
850-0291-052101-BAR

ENGINE ASSEMBLY (850-0291)

850-0291-052101-BAR

ENGINE ASSEMBLY (850-0291)								
REF #	DESCRIPTION	PART #	QTY		REF #	DESCRIPTION	PART #	QTY
1	Choke Cable	33-0081	1		20	Canister Muffler	45-0073	1
2	Bolt (See 45-0072)	N/A Sep.	5		21	Muffler Guard	45-0077	1
3	Front Guard	45-0072	1		22	Bolt (See 45-0077)	N/A Sep.	2
4	Engine- 18HP Kolher	1-0122	1		23	Gasket (See 45-0077)	N/A Sep.	2
5	Hose Barb	23-0105	1		24	Gasket (See 45-0073)	N/A Sep.	2
6	Clamp Worm	42-0011	1		25	Bolt (See 45-0073)	N/A Sep.	2
7	Hose *(One Foot Required)	15-0007	1		26	Clamp	42-0004	2
8	Tube Clip	33-0291	1		27	Hose *(Three Feet Required)	15-0008	1
9	Hose Barb	23-0360	1		28	Terminal Ring	32-0097	4
10	Plug	23-0411	1		29	Washer	28-0003	5
11	Washer	28-0002	1		30	Lockwasher	29-0007	3
12	Lockwasher	29-0006	1		31	Screw	27-0066	3
13	Screw	27-0015	1		32	Cable- Ground *(Two Feet Required)	32-0065	1
14	Key Switch Assembly	850-0299	1		-	Cable- Pos *(Three Feet Required)	32-0065	1
15	Key	43-0078	1		33	Terminal Protector- Red	33-0004	1
16	Bolt (See 45-0073)	N/A Sep.	2		34	Nut	30-0005	2
17	Muffler Support (See 45-0073)	N/A Sep.	1		35	Terminal Protector- Black	33-0273	1
18	Guard Support (See 45-0073)	N/A Sep.	1		*Must Order in One Foot Lengths			
19	Nut (See 45-0073)	N/A Sep.	4					

ENGINE ASSEMBLY (850-0292)



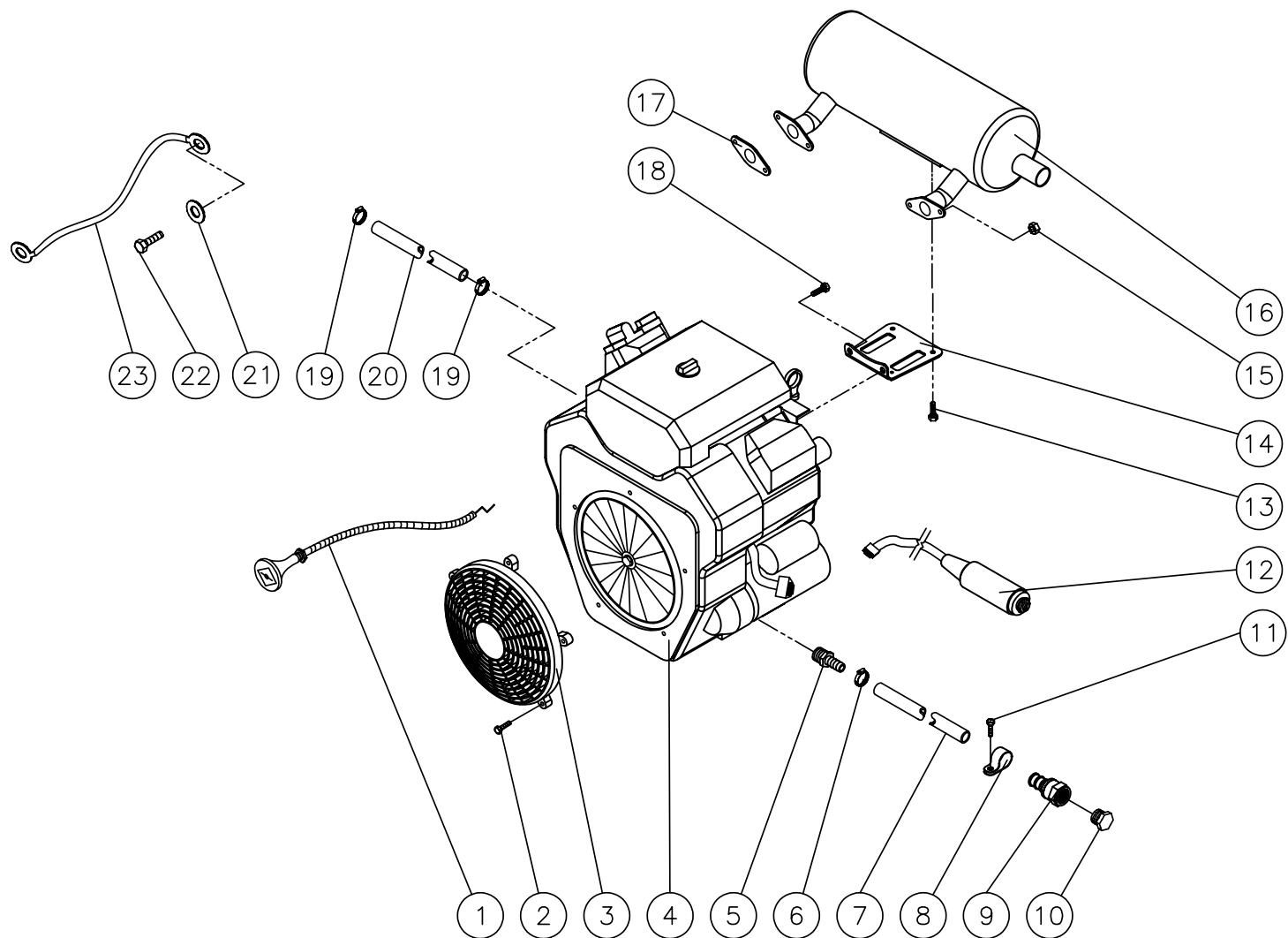
850-0292-052101-BAR

ENGINE ASSEMBLY (850-0292)

850-0291-052101-BAR

ENGINE ASSEMBLY (850-0291)								
REF #	DESCRIPTION	PART #	QTY		REF #	DESCRIPTION	PART #	QTY
1	Choke Cable	33-0081	1		20	Canister Muffler	45-0073	1
2	Bolt (See 45-0072)	N/A Sep.	5		21	Muffler Guard	45-0077	1
3	Front Guard	45-0072	1		22	Bolt (See 45-0077)	N/A Sep.	2
4	Engine- 18HP Kolher	1-0122	1		23	Gasket (See 45-0077)	N/A Sep.	2
5	Hose Barb	23-0105	1		24	Gasket (See 45-0073)	N/A Sep.	2
6	Clamp Worm	42-0011	1		25	Bolt (See 45-0073)	N/A Sep.	2
7	Hose *(One Foot Required)	15-0007	1		26	Clamp	42-0004	2
8	Tube Clip	33-0291	1		27	Hose *(Three Feet Required)	15-0008	1
9	Hose Barb	23-0360	1		28	Terminal Ring	32-0097	4
10	Plug	23-0411	1		29	Washer	28-0003	5
11	Washer	28-0002	1		30	Lockwasher	29-0007	3
12	Lockwasher	29-0006	1		31	Screw	27-0066	3
13	Screw	27-0015	1		32	Cable- Ground *(Two Feet Required)	32-0065	1
14	Key Switch Assembly	850-0299	1		-	Cable- Pos *(Three Feet Required)	32-0065	1
15	Key	43-0078	1		33	Terminal Protector- Red	33-0004	1
16	Bolt (See 45-0073)	N/A Sep.	2		34	Nut	30-0005	2
17	Muffler Support (See 45-0073)	N/A Sep.	1		35	Terminal Protector- Black	33-0273	1
18	Guard Support (See 45-0073)	N/A Sep.	1		*Must Order in One Foot Lengths			
19	Nut (See 45-0073)	N/A Sep.	4					

ENGINE ASSEMBLY (850-0293)

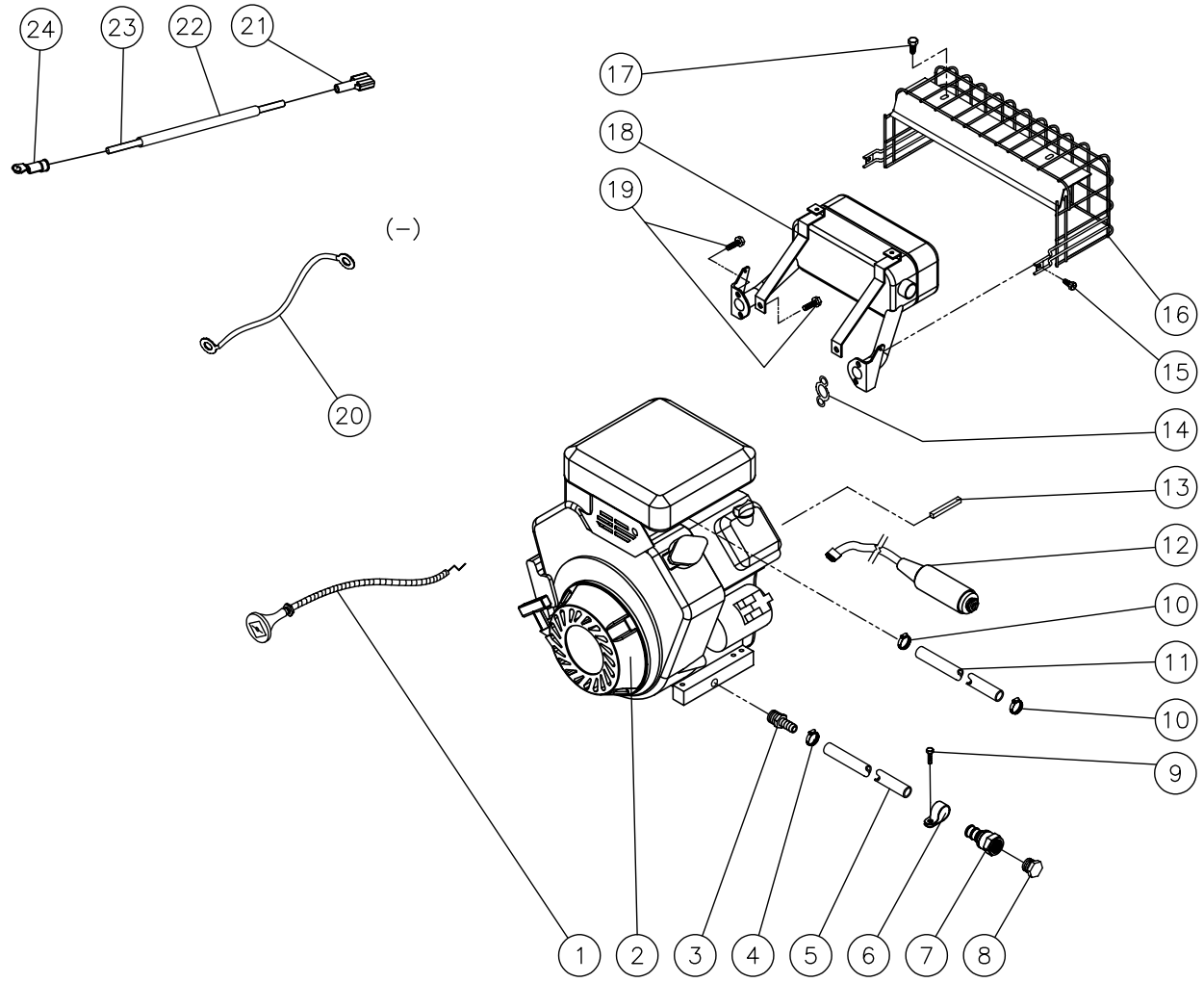


For parts Call 888-279-9274

ENGINE ASSEMBLY (850-0293)

850-0293_850-0384-110123							
ENGINE ASSEMBLY (850-0293_850-0384)							
REF #	DESCRIPTION	PART #	QTY		REF #	DESCRIPTION	PART # QTY
1	CHOKE CABLE	33-0081	1		12	KEY SWITCH ASSEMBLY	850-0299 1
2	BOLT (SEE 45-0072)	N/A SEP.	5		13	BOLT (SEE 45-0074)	N/A SEP. 2
3	FRONT GUARD	45-0072	1		14	MUFFLER SUPPORT (SEE 45-0074)	N/A SEP. 1
4	ENGINE- 25HP KOLHER (850-0293)	1-0124	1		15	NUT (SEE 45-0074)	N/A SEP. 4
-	ENGINE- 27HP KOLHER (850-0384)	1-0165	1		16	CANISTER MUFFLER	45-0074 1
5	HOSE BARB	23-0105	1		17	GASKET (SEE 45-0074)	N/A SEP. 2
6	CLAMP WORM	42-0011	1		18	BOLT (SEE 45-0074)	N/A SEP. 2
7	HOSE *(ONE FOOT REQUIRED)	15-0305	1		19	CLAMP	42-0004 2
8	TUBE CLIP	33-0291	1		20	HOSE *(FOUR FEET REQUIRED)	15-0261 1
9	HOSE BARB	23-0360	1		21	WASHER	28-0003 1
10	PLUG	23-0411	1		22	SCREW	27-0066 3
11	SCREW	27-1200	1		23	CABLE -BLACK *(TWO FEET REQUIRED)	32-9113 1
*MUST ORDER IN ONE FOOT LENGTHS							

ENGINE ASSEMBLY (850-0294)

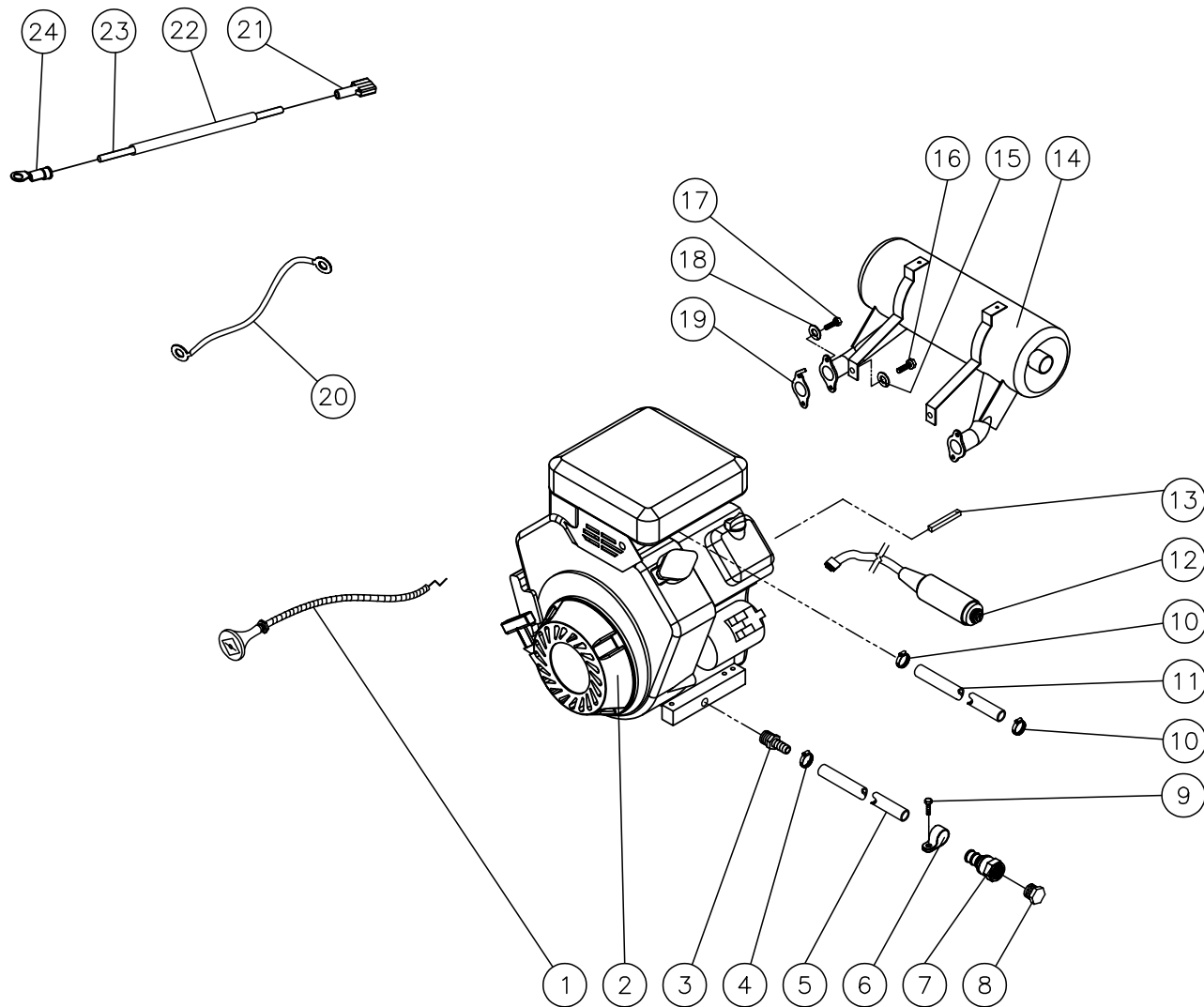


For parts Call 888-279-9274

ENGINE ASSEMBLY (850-0294)

850-0294-070220 JJR							
ENGINE ASSEMBLY (850-0294)							
REF #	DESCRIPTION	PART #	QTY		REF #	DESCRIPTION	PART # QTY
1	CHOKE CABLE	33-0081	1		13	KEY	43-0078 1
2	ENGINE- 16HP VANGUARD	1-0129	1		14	GASKET	45-0066 2
3	HOSE BARB	23-0105	1		15	SCREW	27-8966 2
4	CLAMP WORM	42-0011	1		16	MUFFLER GUARD	45-0067 1
5	HOSE *(ONE FOOT REQUIRED)	15-0305	1		17	SCREW	27-8967 2
6	TUBE CLIP	33-0291	1		18	HIGH MOUNT MUFFLER	45-0064 1
7	HOSE BARB	23-0360	1		19	SCREW	27-8968 4
8	PLUG	23-0411	1		20	CABLE- BLACK *(TWO FEET REQUIRED)	32-9113 1
9	SCREW	27-1200	1		21	TERMINAL	32-0221 1
10	CLAMP	42-0004	2		22	HOSE *(THREE FEET REQUIRED)	15-0021 1
11	HOSE *(SIX FEET REQUIRED)	15-0261	1		23	WIRE *(THREE FEET REQUIRED)	32-0092 1
12	KEY SWITCH ASSEMBLY	850-0302	1		24	TERMINAL	32-0099 1
*MUST ORDER IN ONE FOOT LENGTHS							

ENGINE ASSEMBLY (850-0295)

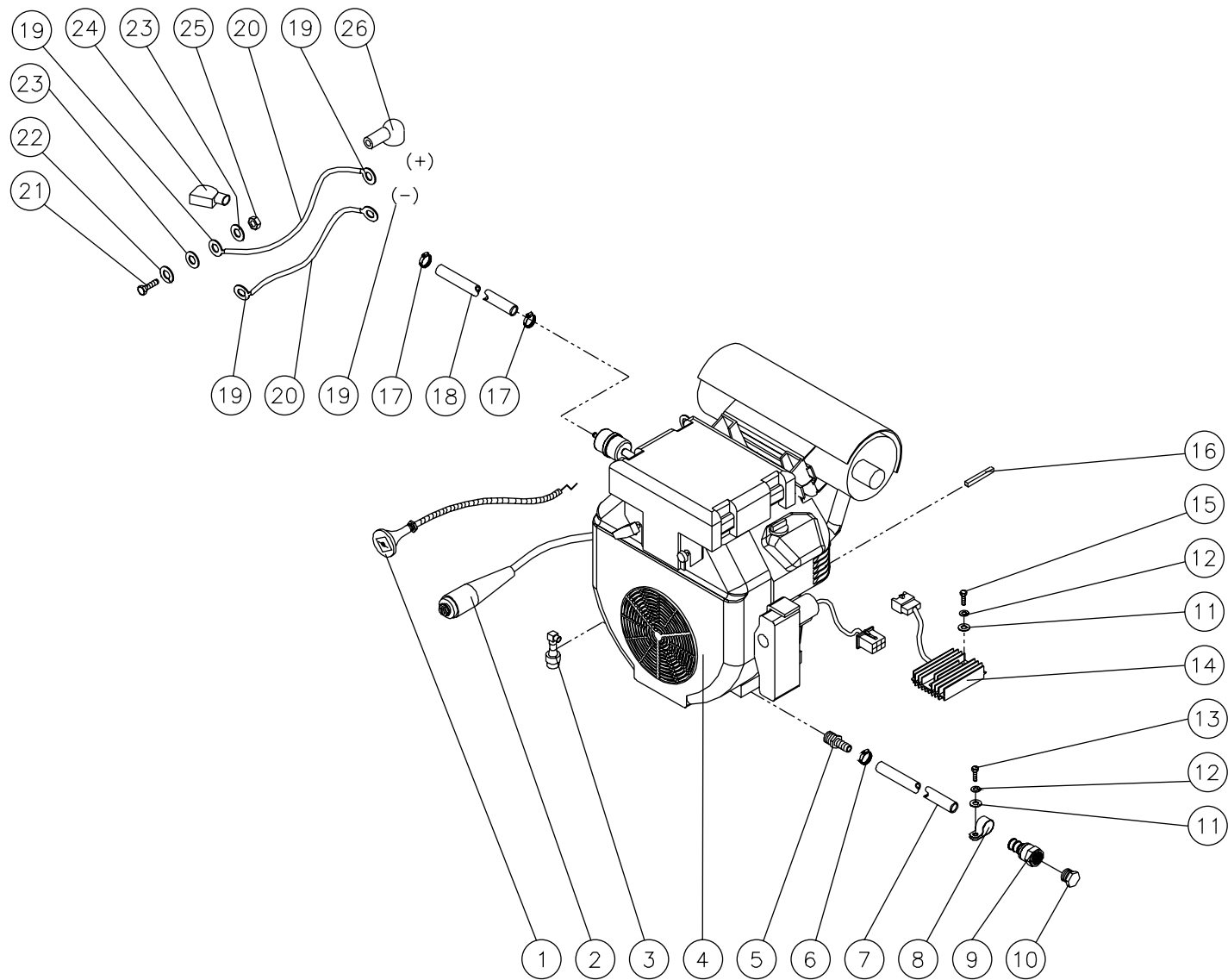


For parts Call 888-279-9274

ENGINE ASSEMBLY (850-0295)

850-0295 081122							
ENGINE ASSEMBLY (850-0295)							
REF #	DESCRIPTION	PART #	QTY		REF #	DESCRIPTION	PART # QTY
1	CHOKE CABLE	33-0081	1		13	KEY	43-0078 1
2	ENGINE- VANGUARD	1-0130	1		14	MUFFLER	45-0075 1
3	HOSE BARB	23-0105	1		15	LOCKWASHER (W/ENGINE)	N/A SEP. 2
4	CLAMP WORM	42-0011	1		16	BOLT (W/ENGINE)	N/A SEP. 2
5	HOSE *(ONE FOOT REQUIRED)	15-0305	1		17	BOLT (W/ENGINE)	N/A SEP. 2
6	TUBE CLIP	33-0291	1		18	LOCKWASHER (W/ENGINE)	N/A SEP. 2
7	HOSE BARB	23-0360	1		19	GASKET (W/ENGINE)	N/A SEP. 2
8	PLUG	23-0411	1		20	CABLE BLACK	32-9113 1
9	SCREW	27-1200	1		21	TERMINAL	32-0221 1
10	CLAMP	42-0004	2		22	HOSE *(THREE FEET REQUIRED)	15-0021 1
11	HOSE *(SIX FEET REQUIRED)	15-0261	1		23	WIRE *(THREE FEET REQUIRED)	32-0092 1
12	KEY SWITCH ASSEMBLY	850-0302	1		24	TERMINAL	32-0099 1
*MUST ORDER IN ONE FOOT LENGTHS							

ENGINE ASSEMBLY (850-0300)



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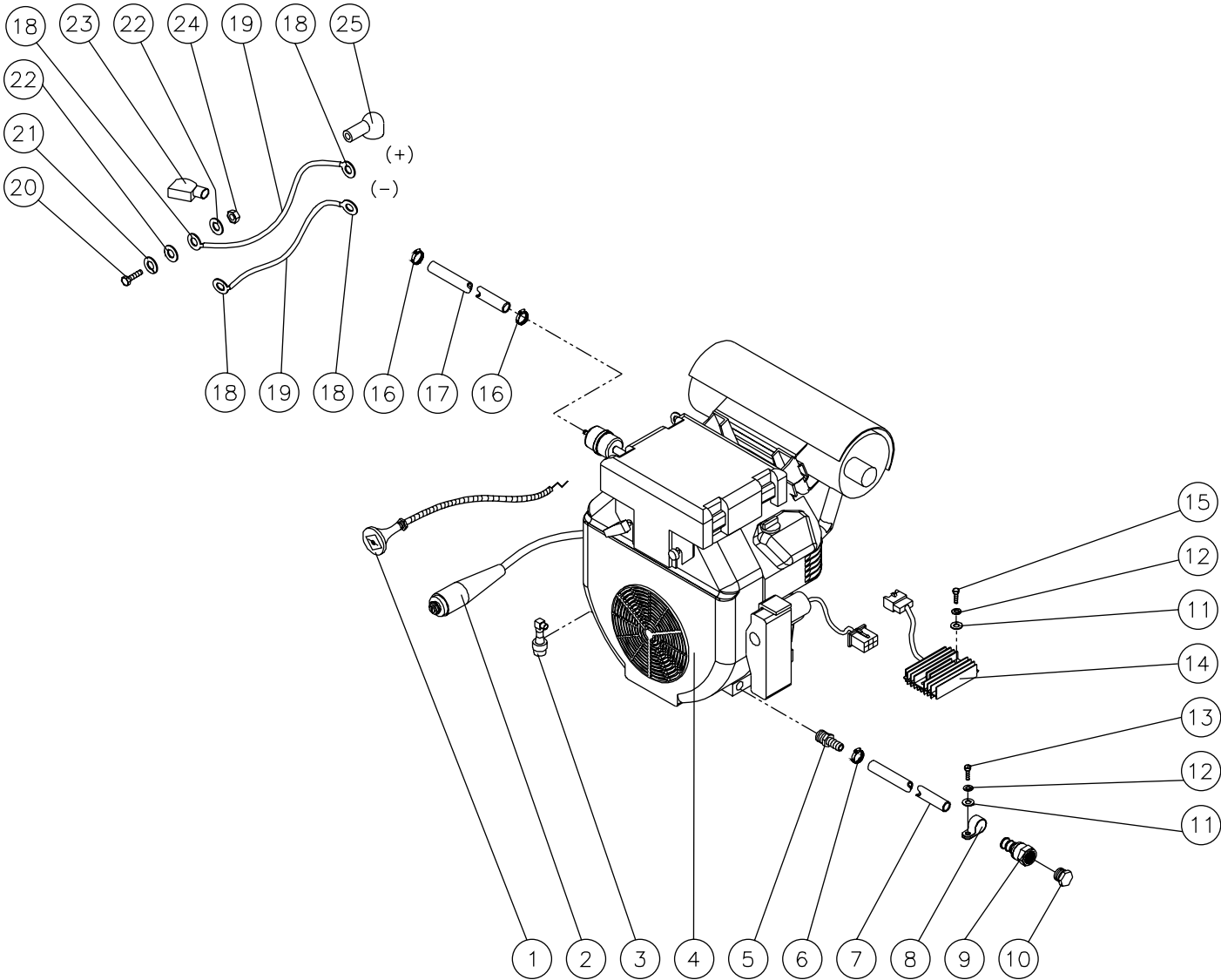
850-0300 052101

ENGINE ASSEMBLY (850-0300)

850-0300-052101-BAR

ENGINE ASSEMBLY (850-0300)								
REF #	DESCRIPTION	PART #	QTY		REF #	DESCRIPTION	PART #	QTY
1	Choke Cable	33-0081	1		15	Screw	27-0016	2
2	Key Switch Assembly (w/ 1-0127)	45-0076	1		16	Key	43-0078	1
3	Oil Pressure Switch (w/ 1-0127)	22-0330	1		17	Clamp	42-0004	2
4	Engine- 20HP Honda	1-0127	1		18	Hose *(Four Feet Required)	15-0008	1
5	Barb	23-0105	1		19	Terminal Ring	32-0097	4
6	Clamp Worm	42-0011	1		20	Cable- Ground *(Two Feet Required)	32-0065	1
7	Hose *(One Foot Required)	15-0007	1		-	Cable- Pos *(Three Feet Required)	32-0065	1
8	Tube Clip	33-0291	1		21	Screw	27-0066	2
9	Hose Barb	23-0360	1		22	Lockwasher	29-0007	2
10	Plug	23-0411	1		23	Washer	28-0003	4
11	Washer	28-0002	3		24	Terminal Protector- Red	33-0004	1
12	Lockwasher	29-0006	3		25	Nut	30-0005	2
13	Screw	27-0015	1		26	Terminal Protector- Black	33-0273	1
14	Rectifier (See 1-0127)	N/A Sep.	1		*Must Order in One Foot Lengths			

ENGINE ASSEMBLY (850-0301) (BEFORE SERIAL #15013196)



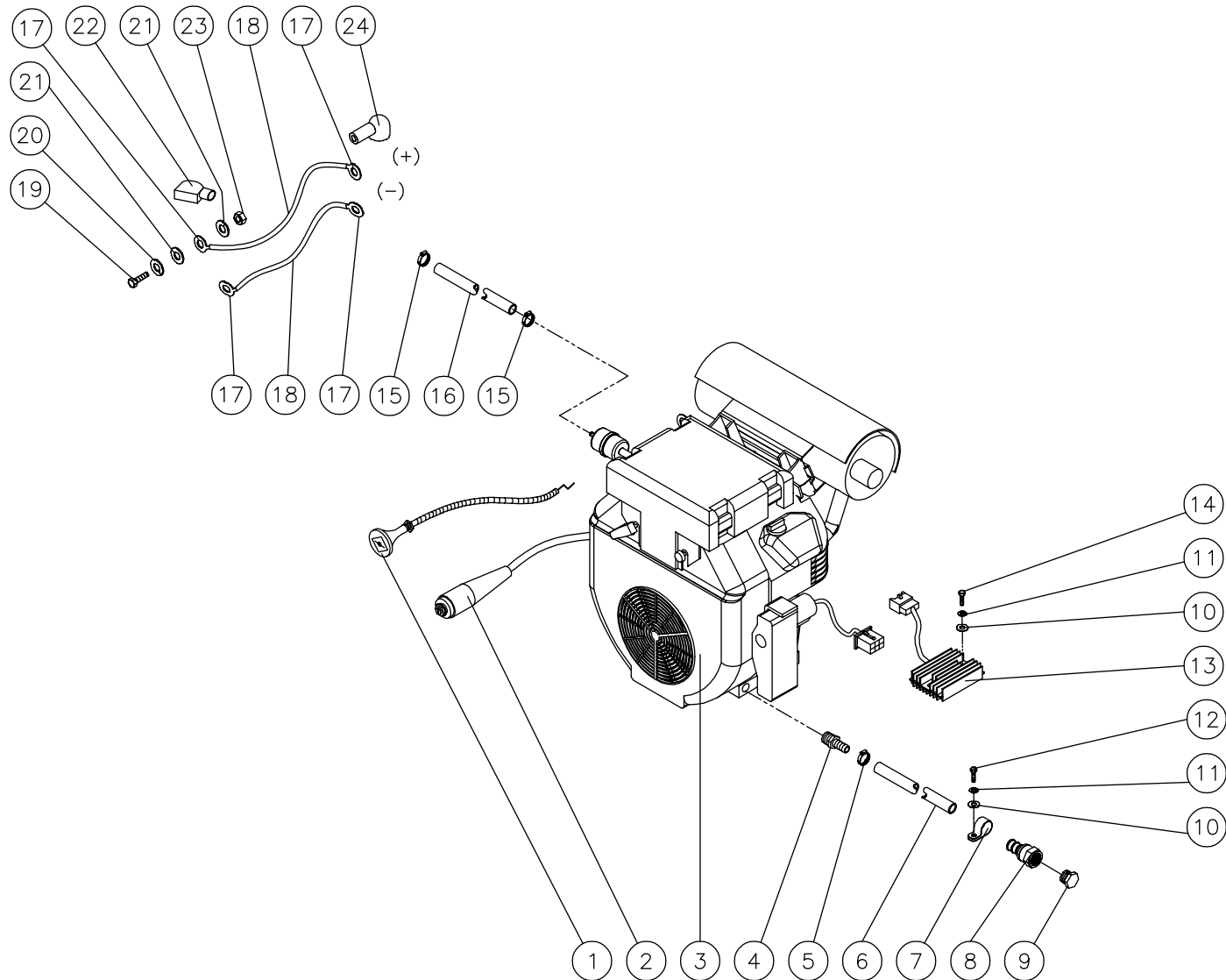
For parts Call 888-279-9274

ENGINE ASSEMBLY (850-0301) (BEFORE SERIAL #15013196)

850-0301-052101-BAR

ENGINE ASSEMBLY (850-0301) (BEFORE SERIAL #15013196)								
REF #	DESCRIPTION	PART #	QTY		REF #	DESCRIPTION	PART #	QTY
1	Choke Cable	33-0081	1		15	Screw	27-0016	2
2	Key Switch Assembly (w/ 1-0128)	45-0076	1		16	Clamp	42-0004	2
3	Oil Pressure Switch (w/ 1-0128)	22-0330	1		17	Hose *(Four Feet Required)	15-0008	1
4	Engine- 24HP Honda	1-0128	1		18	Terminal Ring	32-0097	4
5	Barb	23-0105	1		19	Cable- Ground *(Two Feet Required)	32-0065	1
6	Clamp Worm	42-0011	1		-	Cable- Pos *(Three Feet Required)	32-0065	1
7	Hose *(One Foot Required)	15-0007	1		20	Screw	27-0066	2
8	Tube Clip	33-0291	1		21	Lockwasher	29-0007	2
9	Hose Barb	23-0360	1		22	Washer	28-0003	4
10	Plug	23-0411	1		23	Terminal Protector- Red	33-0004	1
11	Washer	28-0002	3		24	Nut	30-0005	2
12	Lockwasher	29-0006	3		25	Terminal Protector- Black	33-0273	1
13	Screw	27-0015	1		*Must Order in One Foot Lengths			
14	Rectifier (See 1-0128)	N/A Sep.	1					

ENGINE ASSEMBLY (850-0301) (AFTER SERIAL #15013196)



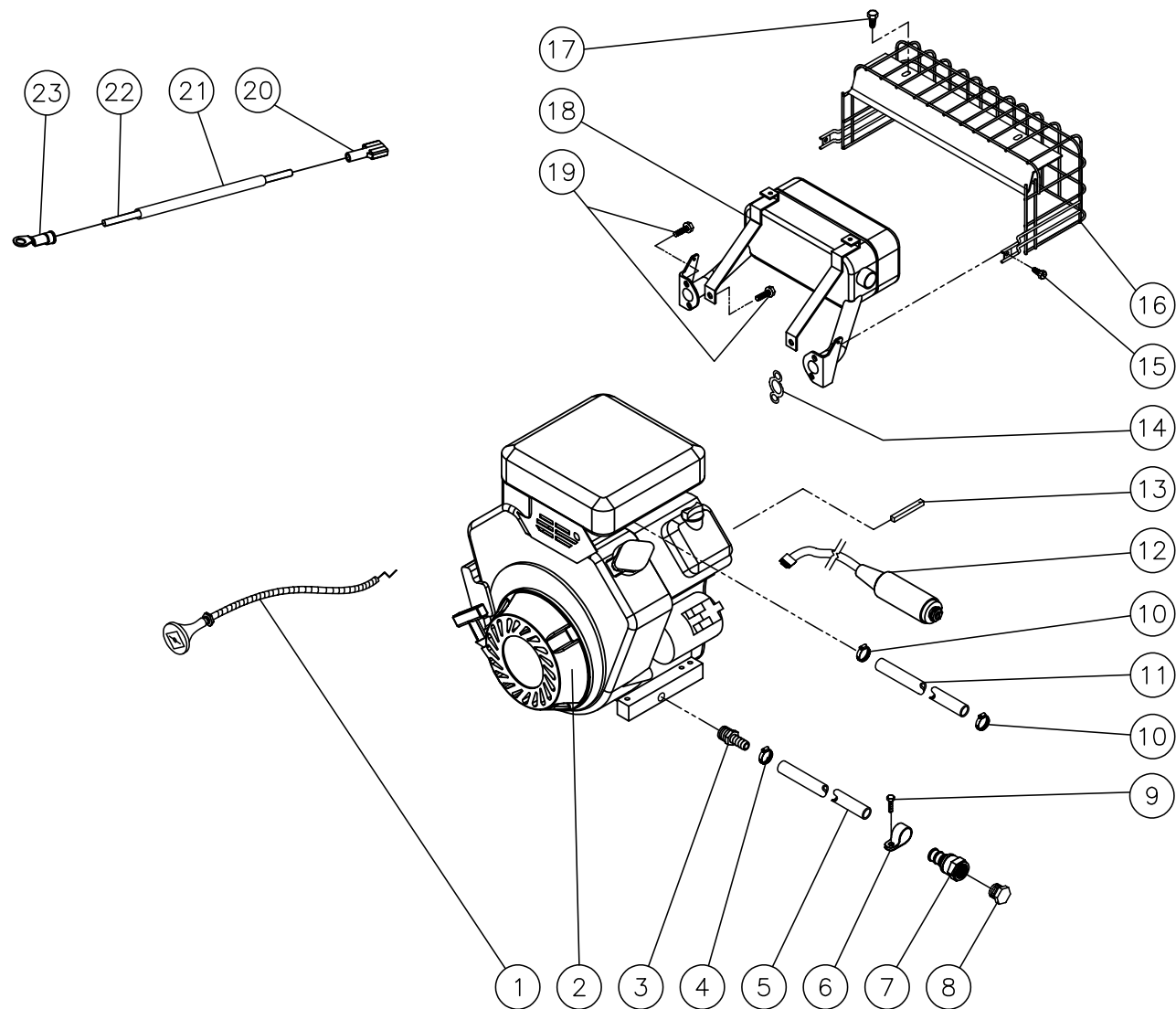
For parts Call 888-279-9274

ENGINE ASSEMBLY (850-0301) (AFTER SERIAL #15013196)

850-0301-031504-KZ

ENGINE ASSEMBLY (850-0301) (AFTER SERIAL #15013196)								
REF #	DESCRIPTION	PART #	QTY		REF #	DESCRIPTION	PART #	QTY
1	Choke Cable	33-0081	1		14	Screw	27-0016	2
2	Key Switch Assembly (w/ 1-0128)	45-0076	1		15	Clamp	42-0004	2
3	Engine- 24HP Honda	1-0143	1		16	Hose *(Four Feet Required)	15-0008	1
4	Barb	23-0105	1		17	Terminal Ring	32-0097	4
5	Clamp Worm	42-0011	1		18	Cable- Ground *(Two Feet Required)	32-0065	1
6	Hose *(One Foot Required)	15-0007	1		-	Cable- Pos *(Three Feet Required)	32-0065	1
7	Tube Clip	33-0291	1		19	Screw	27-0066	2
8	Hose Barb	23-0360	1		20	Lockwasher	29-0007	2
9	Plug	23-0411	1		21	Washer	28-0003	4
10	Washer	28-0002	3		22	Terminal Protector- Red	33-0004	1
11	Lockwasher	29-0006	3		23	Nut	30-0005	2
12	Screw	27-0015	1		24	Terminal Protector- Black	33-0273	1
13	Rectifier (See 1-0128)	N/A Sep.	1		*Must Order in One Foot Lengths			

ENGINE ASSEMBLY (850-0330)

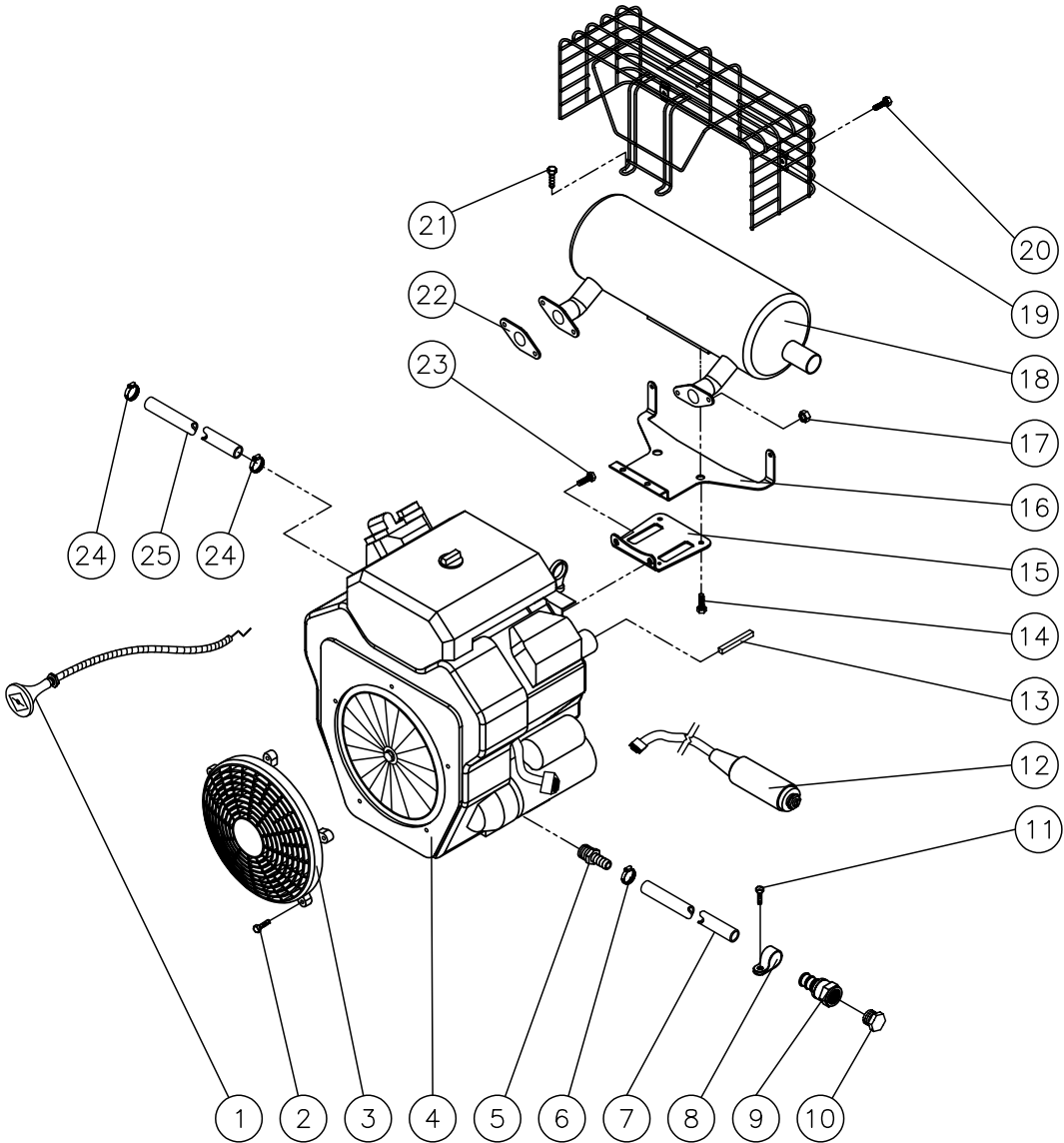


For parts Call 888-279-9274

ENGINE ASSEMBLY (850-0330)

850-0330 070220 JJR			
ENGINE ASSEMBLY			
REF #	DESCRIPTION	PART #	QTY
1	CHOKE CABLE	33-0081	1
2	ENGINE- 16 HP VANGUARD	1-0138	1
3	HOSE BARB	23-0105	1
4	CLAMP WORM	42-0011	1
5	HOSE *(ONE FOOT REQUIRED)	15-0305	1
6	TUBE CLIP	33-0291	1
7	HOSE BARB	23-0360	1
8	PLUG	23-0411	1
9	SCREW	27-1200	1
10	CLAMP WORM	42-0004	2
11	HOSE *(SIX FEET REQUIRED)	15-0261	1
12	KEY SWITCH ASSEMBLY	850-0302	1
13	KEY	43-0078	1
14	GASKET W/MUFFLER	45-0066	2
15	SCREW W/MUFFLER	27-8966	2
16	MUFFLER GUARD W/MUFFLER	45-0067	1
17	SCREW W/WASHER	27-8967	2
18	MUFFLER	45-0064	1
19	SCREW W/MUFFLER	27-8968	4
20	TERMINAL	32-0221	1
21	HOSE *(THREE FEET REQUIRED)	15-0021	1
22	WIRE- RED *(THREE FEET REQUIRED)	32-0092	1
23	TERMINAL RING	32-0099	1
*MUST ORDER IN ONE FOOT LENGTHS			

ENGINE ASSEMBLY (850-0332)

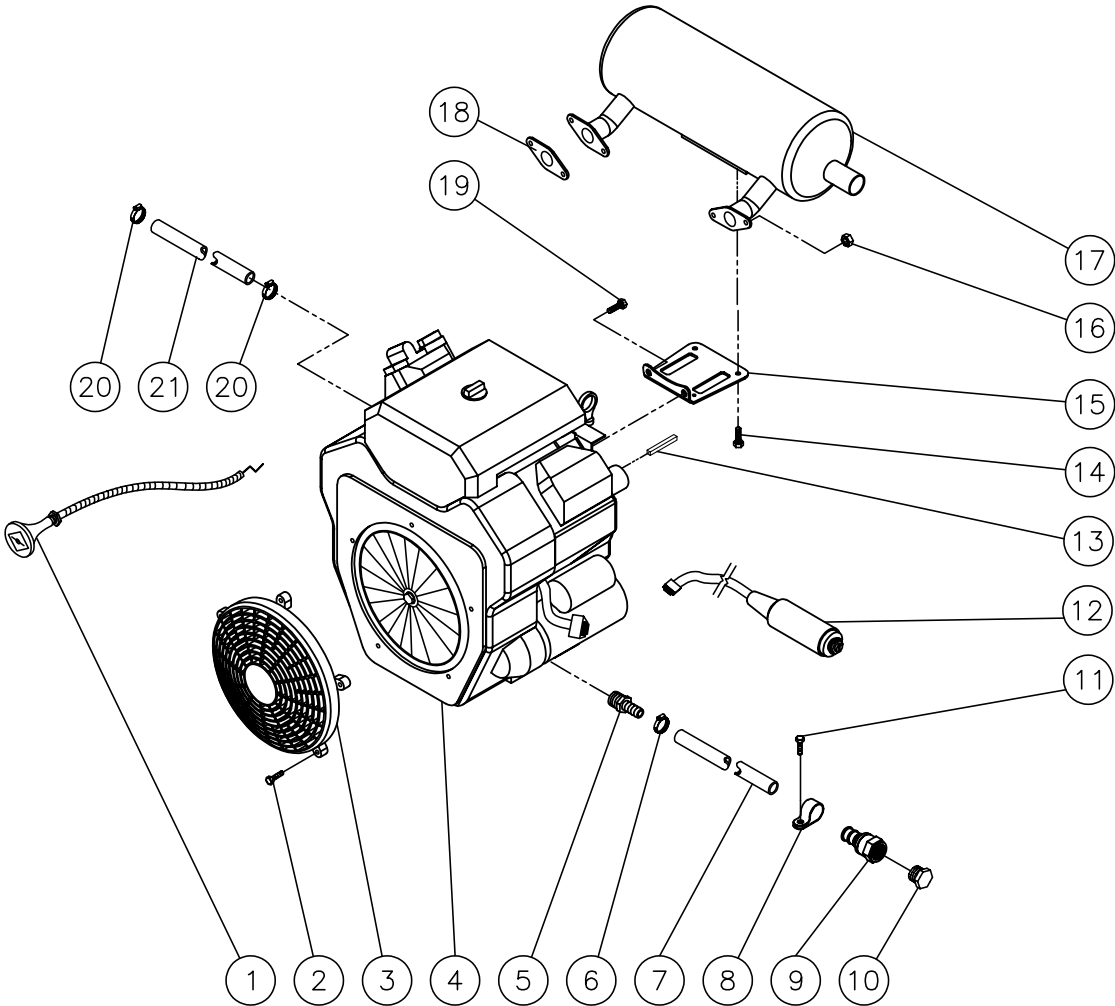


For parts Call 888-279-9274

ENGINE ASSEMBLY (850-0332)

850-0332 012618 JJR			
ENGINE ASSEMBLY (850-0332)			
REF #	DESCRIPTION	PART #	QTY
1	CHOKE CABLE	33-0081	1
2	BOLT (SEE 45-0072)	N/A SEP.	5
3	BLOWER HOUSING FRONT GUARD W/ENGINE	45-0072	1
4	ENGINE- 18HP KOLHER	1-0140	1
5	HOSE BARB	23-0105	1
6	CLAMP WORM	42-0011	1
7	HOSE *(ONE FOOT REQUIRED)	15-0305	1
8	TUBE CLIP	33-0291	1
9	HOSE BARB	23-0360	1
10	PLUG	23-0411	1
11	SCREW	27-1200	1
12	KEY SWITCH ASSEMBLY	850-0299	1
13	KEY	43-0078	1
14	BOLT (SEE 45-0073)	N/A SEP.	2
15	MUFFLER SUPPORT (SEE 45-0073)	N/A SEP.	1
16	MUFFLER GUARD SUPPORT (SEE 45-0077)	N/A SEP.	1
17	NUT (SEE 45-0073)	N/A SEP.	4
18	CANISTER MUFFLER	45-0073	1
19	MUFFLER GUARD	45-0077	1
20	BOLT (SEE 45-0077)	N/A SEP.	2
21	BOLT (SEE 45-0077)	N/A SEP.	2
22	GASKET (SEE 45-0073)	N/A SEP.	2
23	BOLT (SEE 45-0073)	N/A SEP.	2
24	CLAMP WORM	42-0004	2
25	HOSE *(THREE FEET REQUIRED)	15-0261	1
*MUST ORDER IN ONE FOOT LENGTHS			

ENGINE ASSEMBLY (850-0333) (AFTER SERIAL #15146632 AND #15147526)

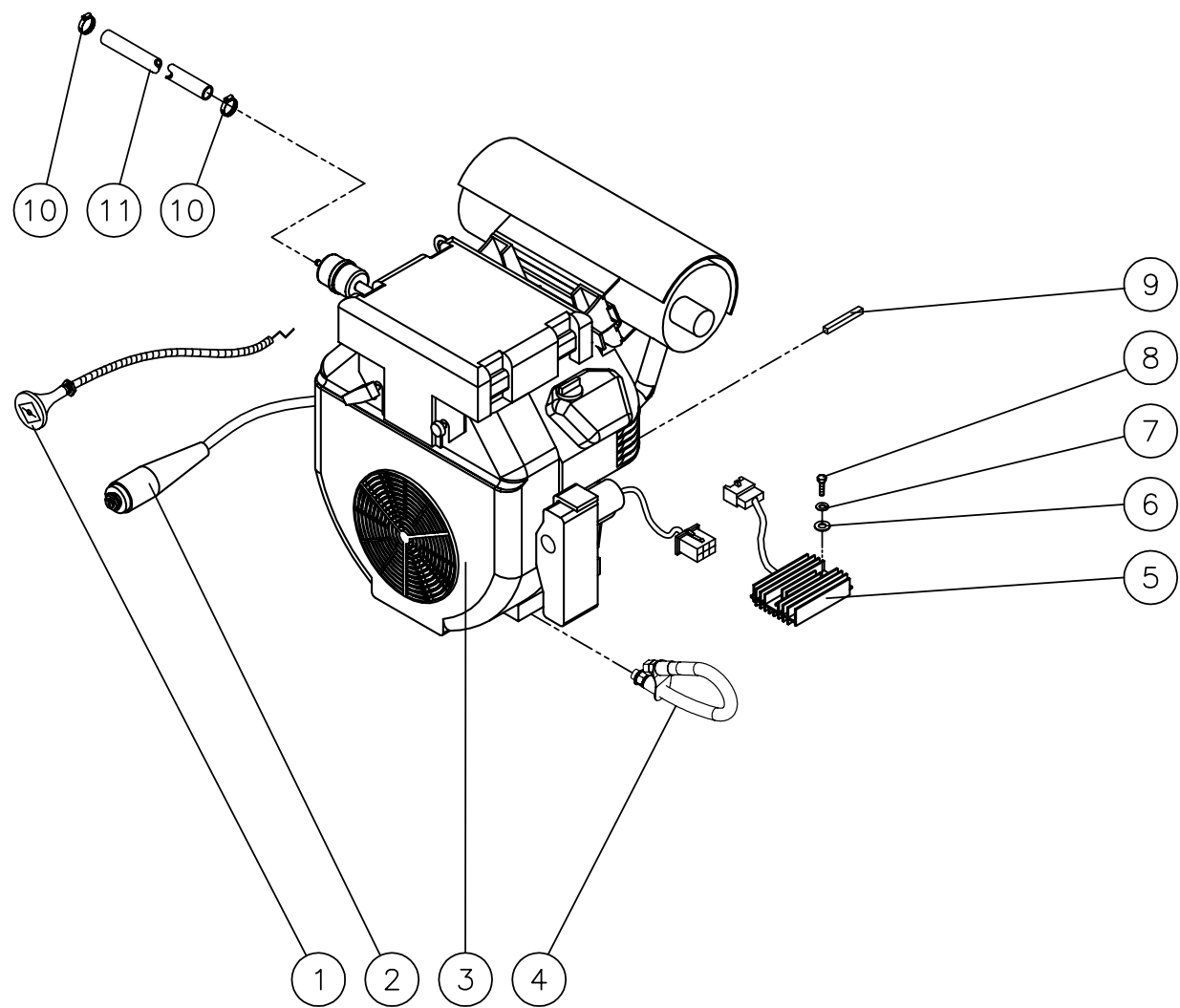


For parts Call 888-279-9274

ENGINE ASSEMBLY (850-0333) (AFTER SERIAL #15146632 AND #15147526)

850-0333 110123			
ENGINE ASSEMBLY (850-0333)			
REF #	DESCRIPTION	PART #	QTY
1	CHOKE CABLE	33-0081	1
2	BOLT (SEE 45-0072)	N/A SEP.	5
3	BLOWER HOUSING FRONT GUARD W/ENGINE	45-0072	1
4	ENGINE- 20HP KOLHER	1-0141	1
5	HOSE BARB	23-0105	1
6	CLAMP WORM	42-0011	1
7	HOSE *(ONE FOOT REQUIRED)	15-0305	1
8	TUBE CLIP	33-0291	1
9	HOSE BARB	23-0360	1
10	PLUG	23-0411	1
11	WASHER	27-1200	1
12	KEY SWITCH ASSEMBLY	850-0299	1
13	KEY	43-0078	1
14	BOLT (SEE 45-0073)	N/A SEP.	2
15	MUFFLER SUPPORT (SEE 45-0073)	N/A SEP.	1
16	NUT (SEE 45-0073)	N/A SEP.	4
17	CANISTER MUFFLER	45-0073	1
18	GASKET (SEE 45-0073)	N/A SEP.	2
19	BOLT (SEE 45-0073)	N/A SEP.	2
20	CLAMP WORM	42-0004	2
21	HOSE *(FOUR FEET REQUIRED)	15-0261	1
*MUST ORDER IN ONE FOOT LENGTHS			

ENGINE ASSEMBLY (850-0349)

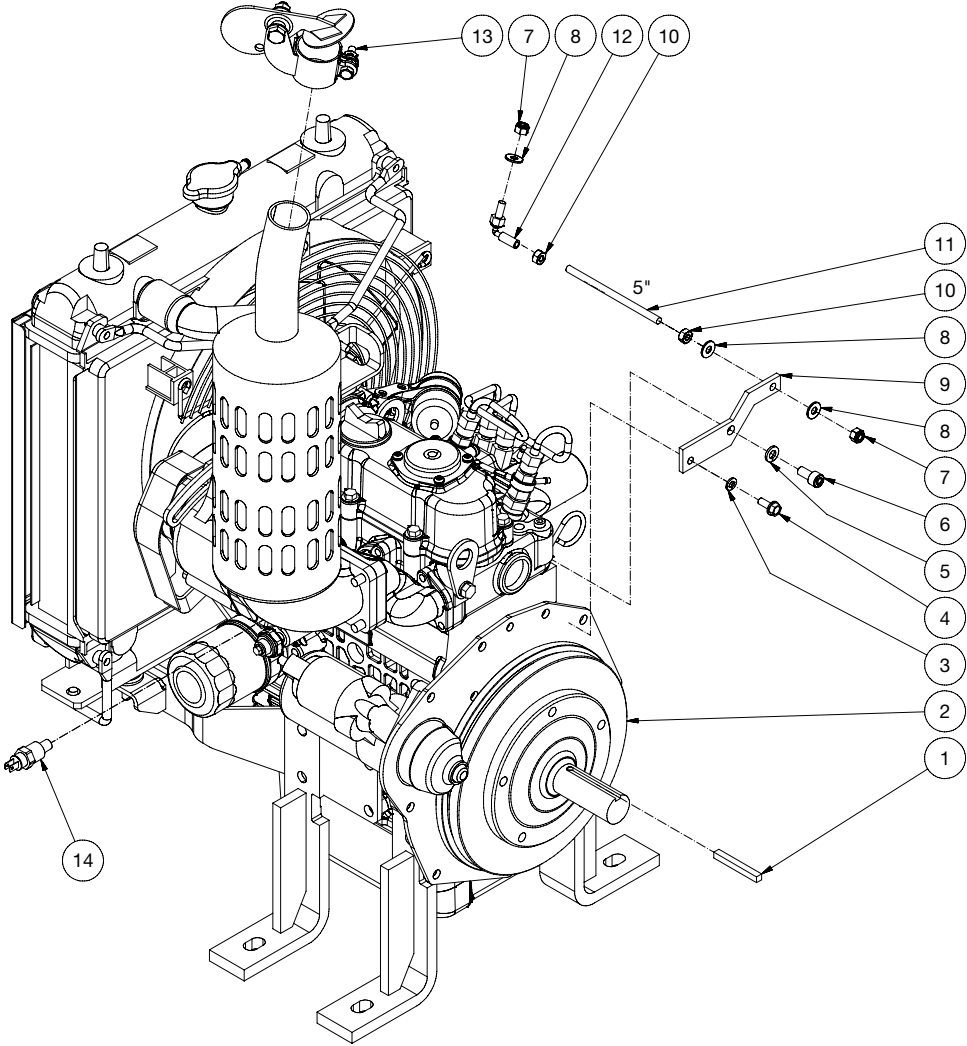


For parts Call 888-279-9274

ENGINE ASSEMBLY (850-0349)

850-0349 121207			
ENGINE ASSEMBLY			
REF #	DESCRIPTION	PART #	QTY
1	CHOKE CABLE	33-0081	1
2	KEY SWITCH ASSEMBLY (W/ 1-0142)	45-0076	1
3	ENGINE- 20HP HONDA	1-0142	1
4	BARB	23-0105	1
5	CLAMP WORM	42-0011	1
6	HOSE *(ONE FOOT REQUIRED)	15-0007	1
7	TUBE CLIP	33-0291	1
8	HOSE BARB	23-0360	1
9	PLUG	23-0411	1
10	WASHER	28-0002	3
11	LOCKWASHER	29-0006	3
12	SCREW	27-0015	1
13	RECTIFIER (SEE 1-0142)	N/A SEP.	1
14	SCREW	27-0016	2
15	KEY	43-0078	1
16	CLAMP	42-0004	2
17	HOSE *(FOUR FEET REQUIRED)	15-0008	1
*MUST ORDER IN ONE FOOT LENGTHS			

ENGINE ASSEMBLY (850-0358)

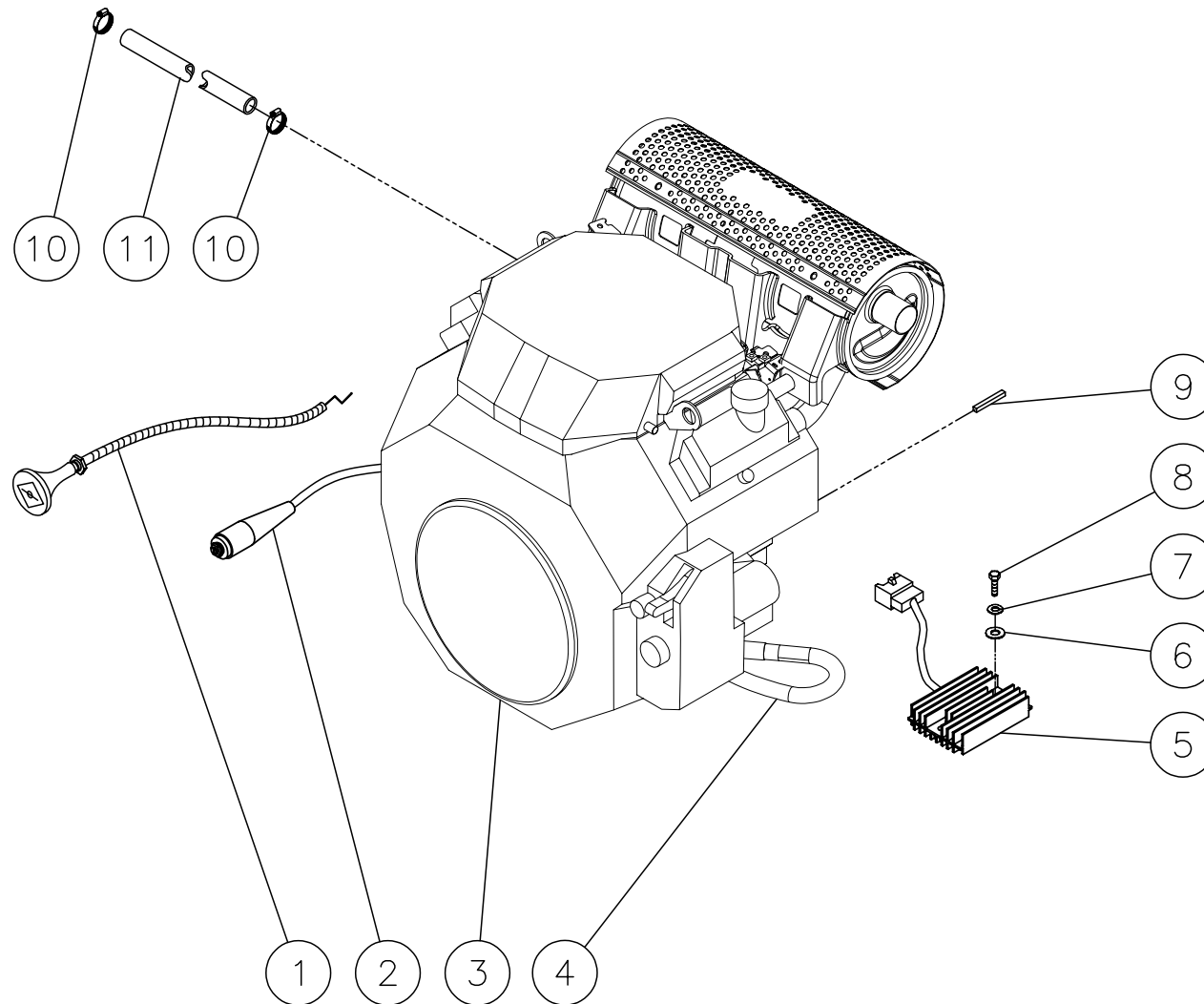


For parts Call 888-279-9274

ENGINE ASSEMBLY (850-0358)

850-0358-012918-JJR			
ENGINE ASSEMBLY (850-0358)			
REF #	DESCRIPTION	PART #	QTY
1	KEY	43-0078	1
2	KUBOTA DIESEL ENGINE	1-0163	1
3	LOCKWASHER	29-0006	1
4	BOLT	27-8001	1
5	LOCKWASHER	29-0007	1
6	BOLT	27-8884	1
7	LOCKNUT	30-0155	2
8	WASHER	28-0002	3
9	THROTTLE PLATE	13-0177A18	1
10	HEX NUT	30-0002	2
11	THREADED ROD *(ONE FOOT REQUIRED)	54-0046	1
12	BALL JOINT LINKAGE	33-0440	1
13	MUFFLER RAIN CAP	33-0441	1
14	ENGINE TEMP SWITCH	45-0408	1
*MUST ORDER IN ONE FOOT LENGTHS			

ENGINE ASSEMBLY (850-0393 / 850-0394) (AFTER SERIAL #15146632 AND #15147526)

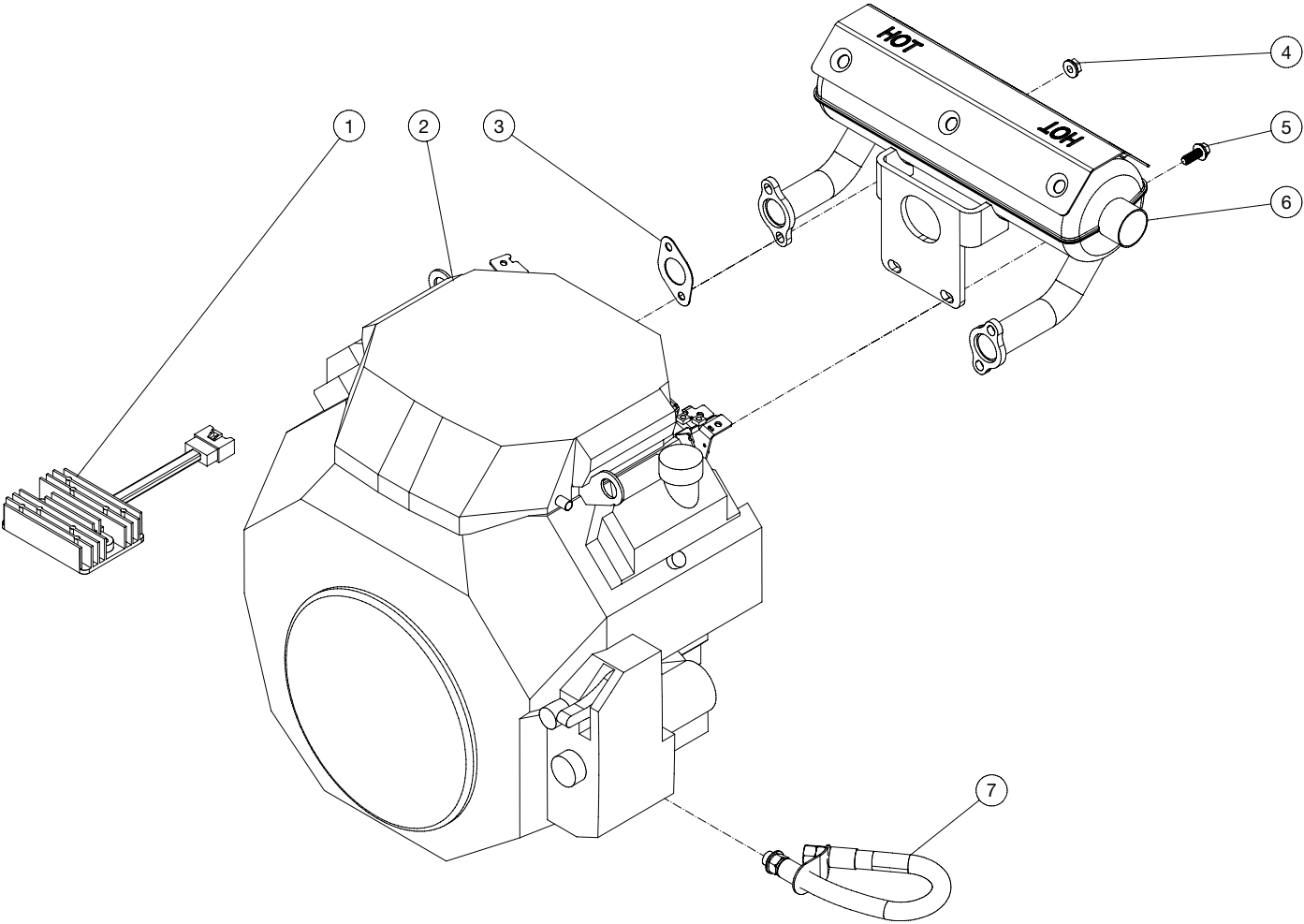


For parts Call 888-279-9274

ENGINE ASSEMBLY (850-0393 / 850-0394) (AFTER SERIAL #15146632 AND #15147526)

850-0393_850-0394 (1-0186/1-0187) 031725			
ENGINE ASSEMBLY			
REF.	DESCRIPTION	PART #	QTY.
1	CHOKE CABLE	33-0081	1
2	KEY SWITCH (HONDA GX630) (BEFORE SERIAL #15146632)	45-0076	1
-	KEY SWITCH W/HARNESS (HONDA GX630) (AFTER SERIAL #15146632)	45-0889	1
-	KEY SWITCH ONLY (HONDA GX630) (AFTER SERIAL #15146632)	45-1159	1
-	KEY SWITCH (HONDA GX690) (BEFORE SERIAL #15147526)	45-0076	1
-	KEY SWITCH W/HARNESS (HONDA GX690) (AFTER SERIAL #15147526)	45-0889	1
-	KEY SWITCH ONLY (HONDA GX690) (AFTER SERIAL #15147526)	45-1159	1
3	ENGINE (850-0393)	1-0186	1
-	ENGINE (850-0394)	1-0187	1
4	KIT/ENGINE OIL DRAIN	70-0555	1
5	RECTIFIER	N/A	1
6	WASHER	28-0002	2
7	LOCKWASHER	29-0006	2
8	SCREW	27-0016	2
9	KEY	43-0078	1
10	CLAMP	42-0004	2
11	HOSE *(FOUR FEET REQUIRED)	15-0008	1
*MUST ORDER IN ONE FOOT LENGTHS			

ENGINE ASSEMBLY (850-0461)



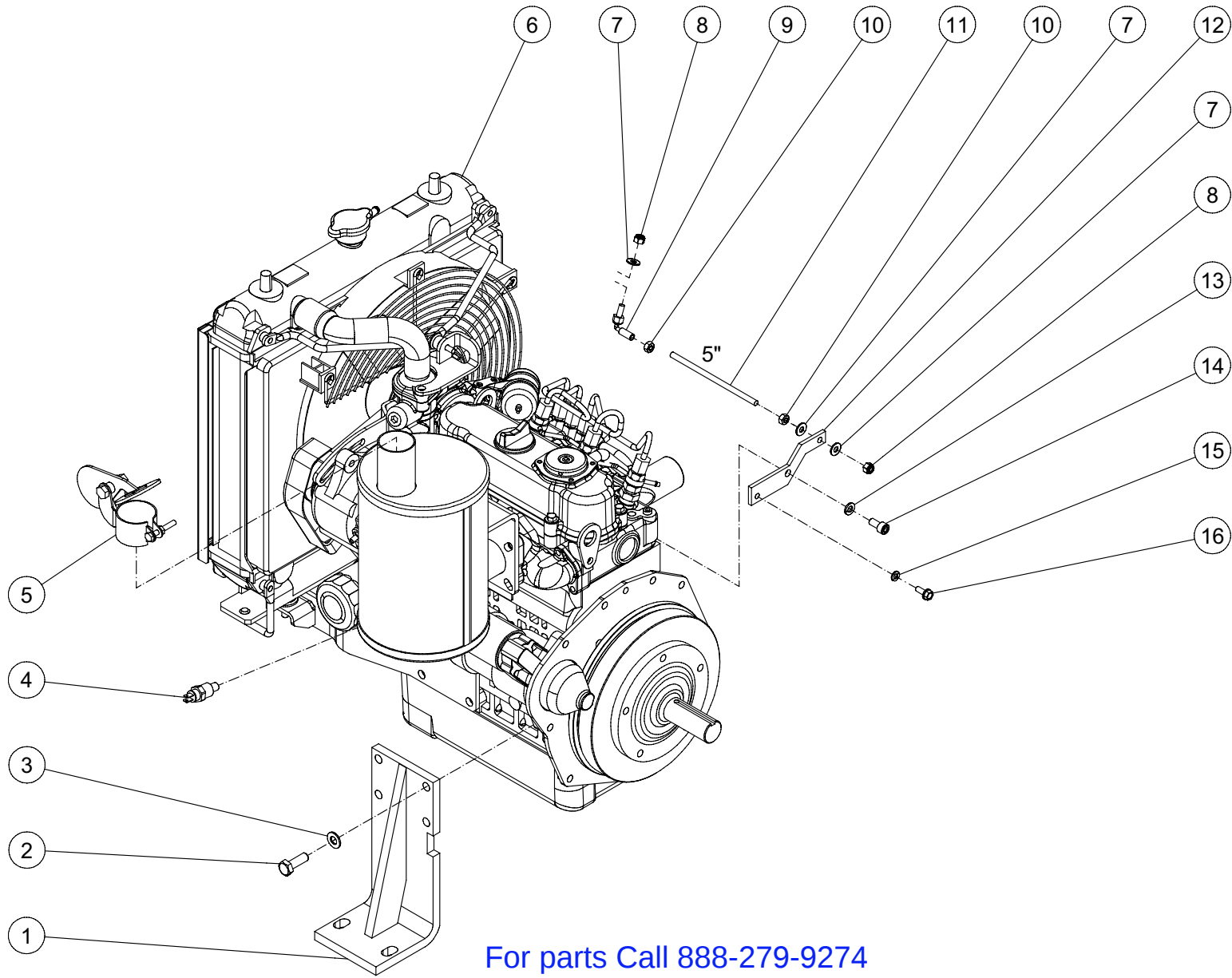
850-0461 071624

For parts Call 888-279-9274

ENGINE ASSEMBLY (850-0461)

850-0461 HONDA 071624			
ENGINE ASSEMBLY			
ITEM	DESCRIPTION	PART #	QTY
1	RECTIFIER	W/ ENGINE	1
2	ENGINE (850-0393) (BETWEEN SERIAL #15147526 & 15167938)	1-0186	1
-	ENGINE (850-0394) (BETWEEN SERIAL #15147526 & 15167938)	1-0187	1
-	ENGINE (850-0461) (AFTER SERIAL #15167938)	1-0234	1
3	EXHAUST GASKET	W/ ENGINE	2
4	NUT	30-3023	4
5	BOLT	27-9524	2
6	MUFFLER	45-1113	1
7	HONDA DRAINZIT HOSE	70-0555	1

ENGINE ASSEMBLY (850-0419)



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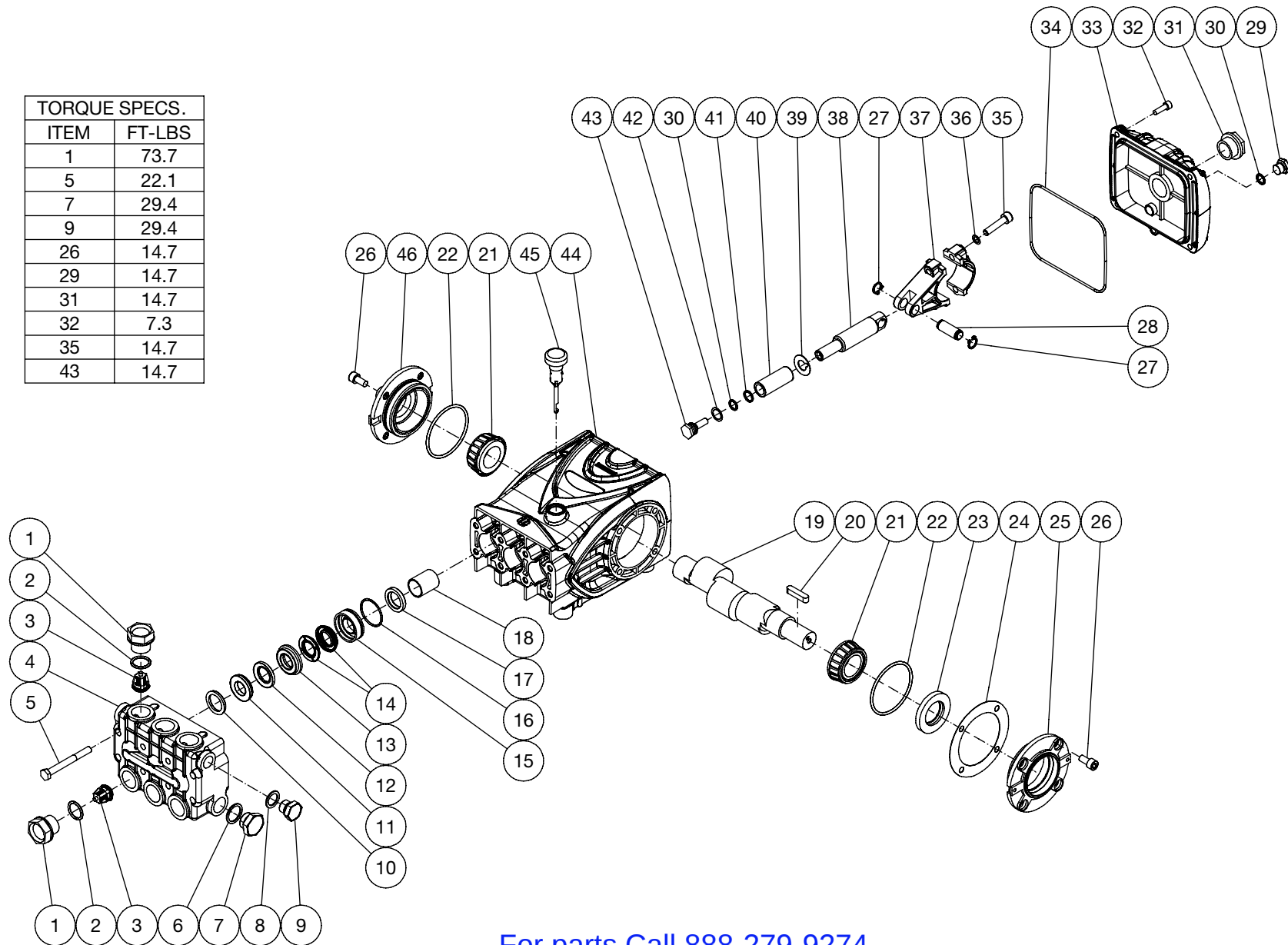
850-0419 021017 CH

ENGINE ASSEMBLY (850-0419)

850-0419 KUBOTA 23.5 HP ENGINE ASSY 021017 CH			
ENGINE ASSEMBLY			
ITEM	DESCRIPTION	PART #	QTY
1	ENGINE FOOT MOUNT	20-1261A18	4
2	BOLT	27-8078	12
3	WASHER	28-0004	12
4	TEMP SWITCH	45-0408	1
5	RAIN CAP	33-0545	1
6	ENGINE	1-0203	1
7	WASHER	28-0002	3
8	LOCKNUT	30-0155	2
9	BALL JOINT LINKAGE	33-0440	1
10	NUT	30-0002	2
11	THREADED ROD *(ONE FOOT REQUIRED)	54-0046	1
12	THROTTLE PLATE	13-0177A18	1
13	LOCKWASHER	29-0007	1
14	BOLT	27-8884	1
15	LOCKWASHER	29-0006	1
16	BOLT	27-8001	1
*MUST ORDER IN ONE FOOT LENGTHS			

PUMP ASSEMBLY (3-0202)

TORQUE SPECS.	
ITEM	FT-LBS
1	73.7
5	22.1
7	29.4
9	29.4
26	14.7
29	14.7
31	14.7
32	7.3
35	14.7
43	14.7



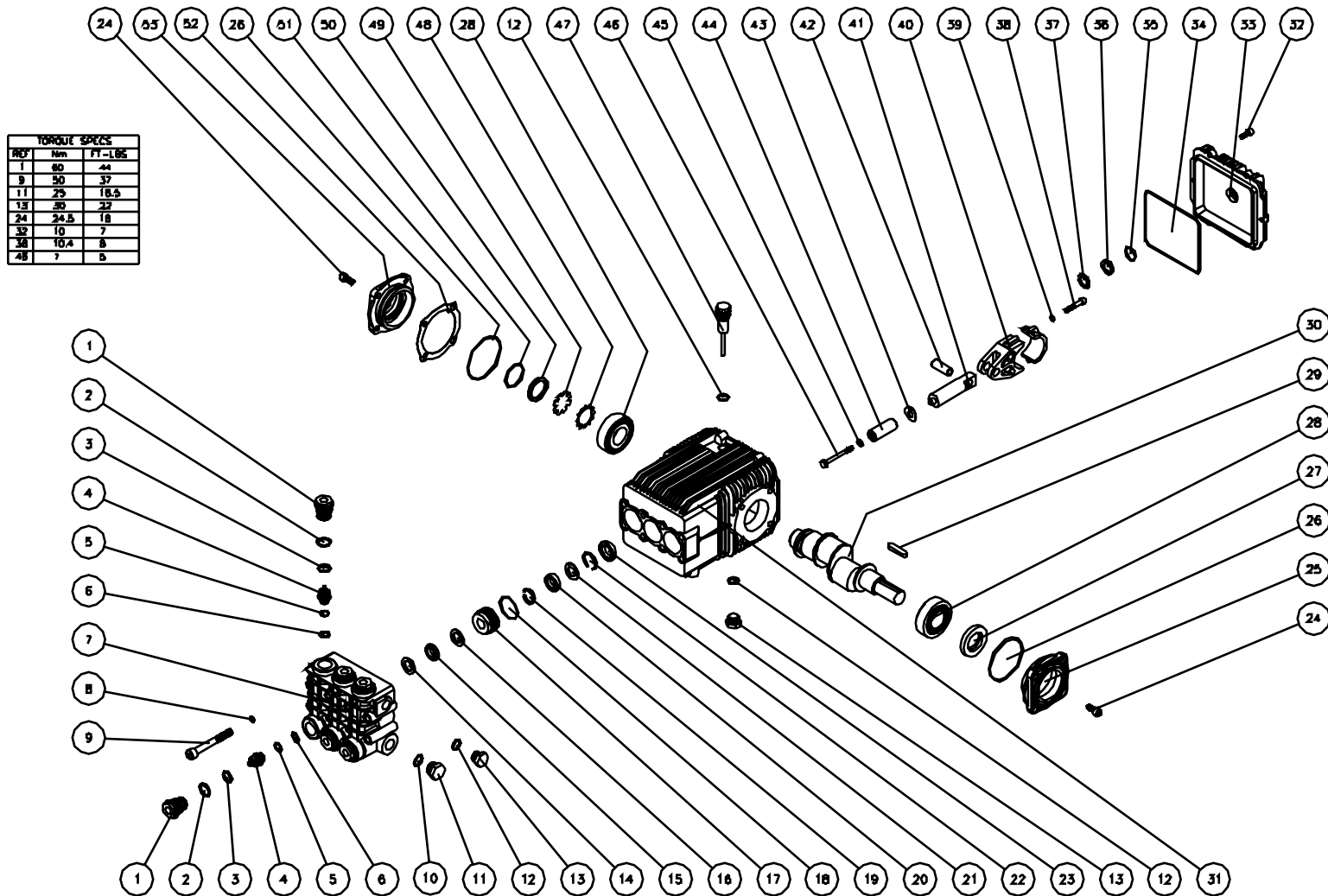
For parts Call 888-279-9274

PUMP ASSEMBLY (3-0202)

3-0202 032923 CH							
PUMP ASSEMBLY							
ITEM	DESCRIPTION	PART #	QTY		ITEM	DESCRIPTION	PART # QTY
1	VALVE CAP	46-0889	6		25	CRANKCASE COVER	46-0296 1
2	O-RING	25-0012	6		26	BOLT	27-8431 8
3	VALVE (SEE KIT 70-0009)	22-0056	6		27	RETAINING RING	46-0103 6
4	MANIFOLD	N/A	1		28	CONNECTING ROD PIN	43-0032 3
5	BOLT	27-8185	8		29	PLUG	39-0017 1
6	WASHER	28-1038	2		30	O-RING	25-0014 4
7	PLUG	39-0019	2		31	OIL LEVEL INDICATOR	46-0114 1
8	WASHER	28-1002	2		32	BOLT (AFTER SN #15159371)	27-8812 5
9	PLUG	39-0018	2		-	BOLT (BEFORE SN #15159371)	27-8404 5
10	HEAD RING (SEE KIT 70-0030, SEE KIT 850-0122)	70-0030	3		33	CRANKCASE COVER (AFTER SN #15159371)	46-1906 1
11	V-PACKING SUPPORT (SEE KIT 70-0147, SEE KIT 850-0122)	26-0098	3		-	CRANKCASE COVER (BEFORE SN #15159371)	46-0295 1
12	O-RING (SEE KIT 70-0147, SEE KIT 70-0148, SEE KIT 850-0122)	25-0207	3		34	O-RING	25-0339 1
13	HIGH PRESSURE INTERMEDIATE SEAL RETAINER (SEE KIT 70-0148)	46-0659	3		35	BOLT	27-8435 6
14	PRESSURE SEAL (SEE KIT 70-0147, SEE KIT 850-0122)	26-0197	3		36	LOCKWASHER	29-0154 6
15	LOW PRESSURE SEAL RETAINER	46-0057	3		37	CONNECTING ROD	46-0051 3
16	O-RING (SEE KIT 852-0122)	25-0015	3		38	PISTON ROD	46-0056 3
17	OIL SEAL	26-0047	3		39	SLINGER WASHER	46-0146 3
18	BUSHING	9-0029	3		40	PLUNGER	46-0052 3
19	CRANKSHAFT	46-0050	1		41	BACK-UP RING	25-0465 3
20	KEY	43-0048	1		42	WASHER	28-0400 3
21	BEARING	48-0012	2		43	NUT / PISTON	46-0069 3
22	O-RING	25-0013	2		44	CRANKCASE	46-1905 1
23	OIL SEAL	26-0049	1		45	OIL DIP STICK	46-0144 1
24	SHIM	46-0113	1		46	CRANKCASE COVER	46-0336 1

REPLACEMENT KITS				
KIT	DESCRIPTION	ITEMS	# OF ASSEMBLIES	# OF CYLINDERS
70-0009	VALVES	3	6	3
70-0030	HEAD RING	10	3	3
70-0147	V-PACKING	11, 12, 14	3	3
70-0148	INTERMEDIATE RETAINER	12, 13	3	3
852-0122	V-PACKING ASSEMBLY	10-12, 14, 16	3	3

PUMP ASSEMBLY (3-0213) (BEFORE SERIAL #15019140)



For parts Call 888-279-9274

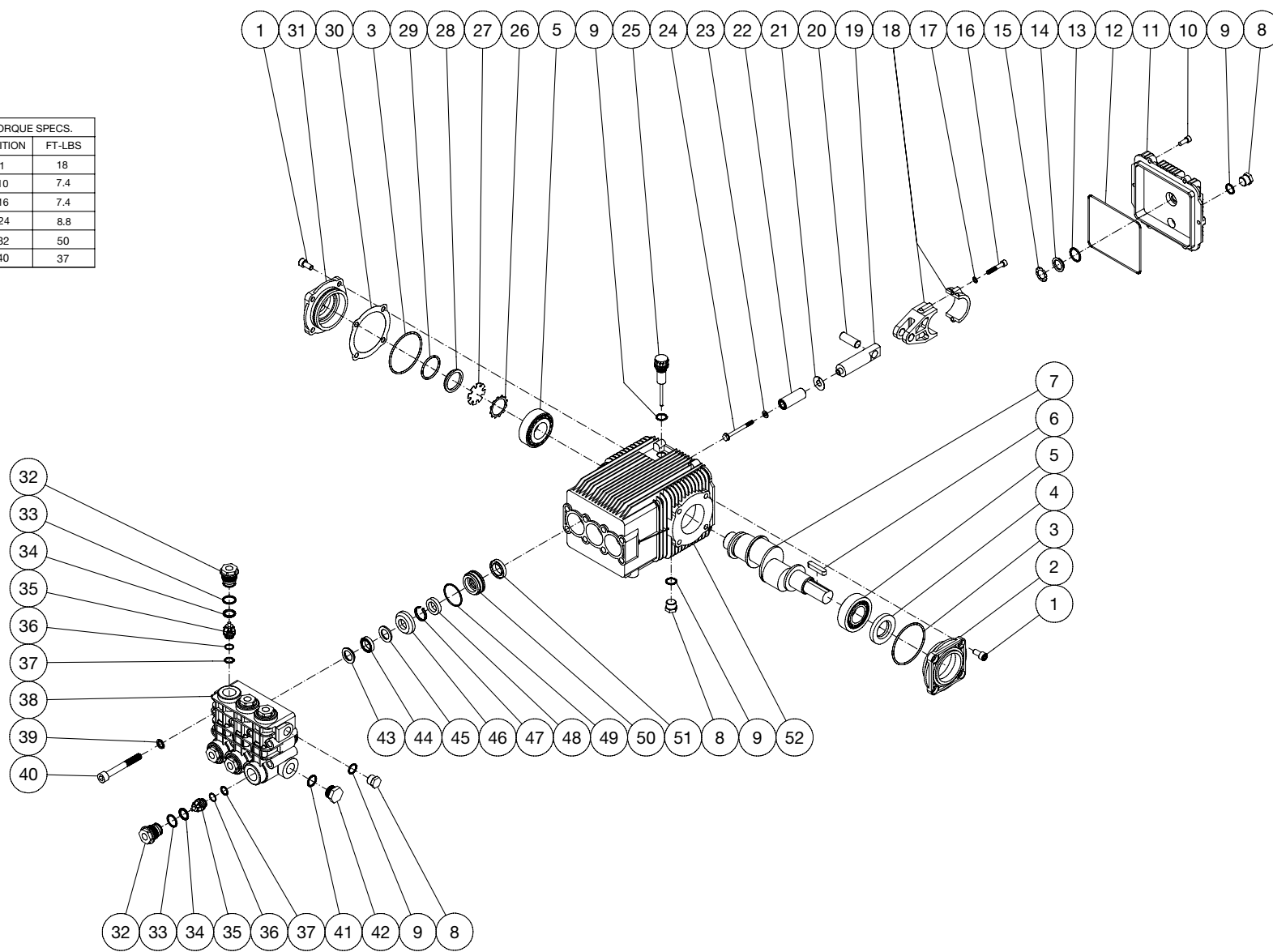
PUMP ASSEMBLY (3-0213) (BEFORE SERIAL #15019140)

3-0213 HOT WATER-060502-EDW

PUMP ASSEMBLY (3-0213) (BEFORE SERIAL #15019140)											
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	39	Lockwasher	N/A	6
2	Back-Up Ring	25-0509	6	21	Spacer	46-0907	3	40	Connecting Rod	46-0913	3
3	O-Ring	25-0386	6	22	Snap-Ring	46-0908	3	41	Plunger Rod	46-0915	3
4	Valve w/O-ring (See 70-0314)	N/A Sep.	6	23	Oil Seal	26-0242	3	42	Connecting Rod Pin	46-0914	3
5	Back-Up Ring	25-0516	6	24	Screw	27-8884	8	43	Slinger Washer	46-0916	3
6	O-ring	25-0515	6	25	Shaft Cover	N/A	1	44	Piston	46-0917	3
7	Manifold Pump	46-0900	1	26	O-ring	25-0512	2	45	Washer	28-1041	3
8	Lockwasher	29-0155	8	27	Oil Seal	26-0243	1	46	Screw	27-8965	3
9	Screw	27-8470	8	28	Bearing	48-0073	2	47	Oil Dipstick	39-0204	1
10	O-ring	25-0372	1	29	Key	43-0091	1	48	Spring Retainer	46-0924	1
11	Plug	39-0202	1	30	Crankshaft	N/A	1	49	Pump	46-0925	1
12	O-ring	25-0510	3	31	Crankcase	46-0911	1	50	Oil Sight	46-0926	1
13	Plug	39-0203	2	32	Screw	27-8888	6	51	O-ring	25-0514	1
14	Support Ring (See 70-0317)	N/A Sep.	3	33	Crankcase Cover (Inc. 35-37)	46-0912	1	52	Shim	46-0947	1
15	High 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
16	Low Pressure Seal (See 70-0317)	N/A Sep.	3	35	O-ring	25-0370	1		Valve Kit (Inc. 6 each 4-6)	70-0314	1
17	Piston Guide	46-0904	3	36	Oil Sight Glass	46-0670	1		Water Seals Kit (Inc. 3 each 14-16, 18-20)	70-0317	1
18	O-ring (See 70-0317)	N/A Sep.	3	37	Spring Retainer	46-0671	1				
19	Back-Up Ring (See 70-0317)	N/A Sep.	3	38	Screw	N/A	6				

PUMP ASSEMBLY (3-0213) (AFTER SERIAL #15019140)

TORQUE SPECS.	
POSITION	FT-LBS
1	18
10	7.4
16	7.4
24	8.8
32	50
40	37



For parts Call 888-279-9274

PUMP ASSEMBLY (3-0213) (AFTER SERIAL #15019140)

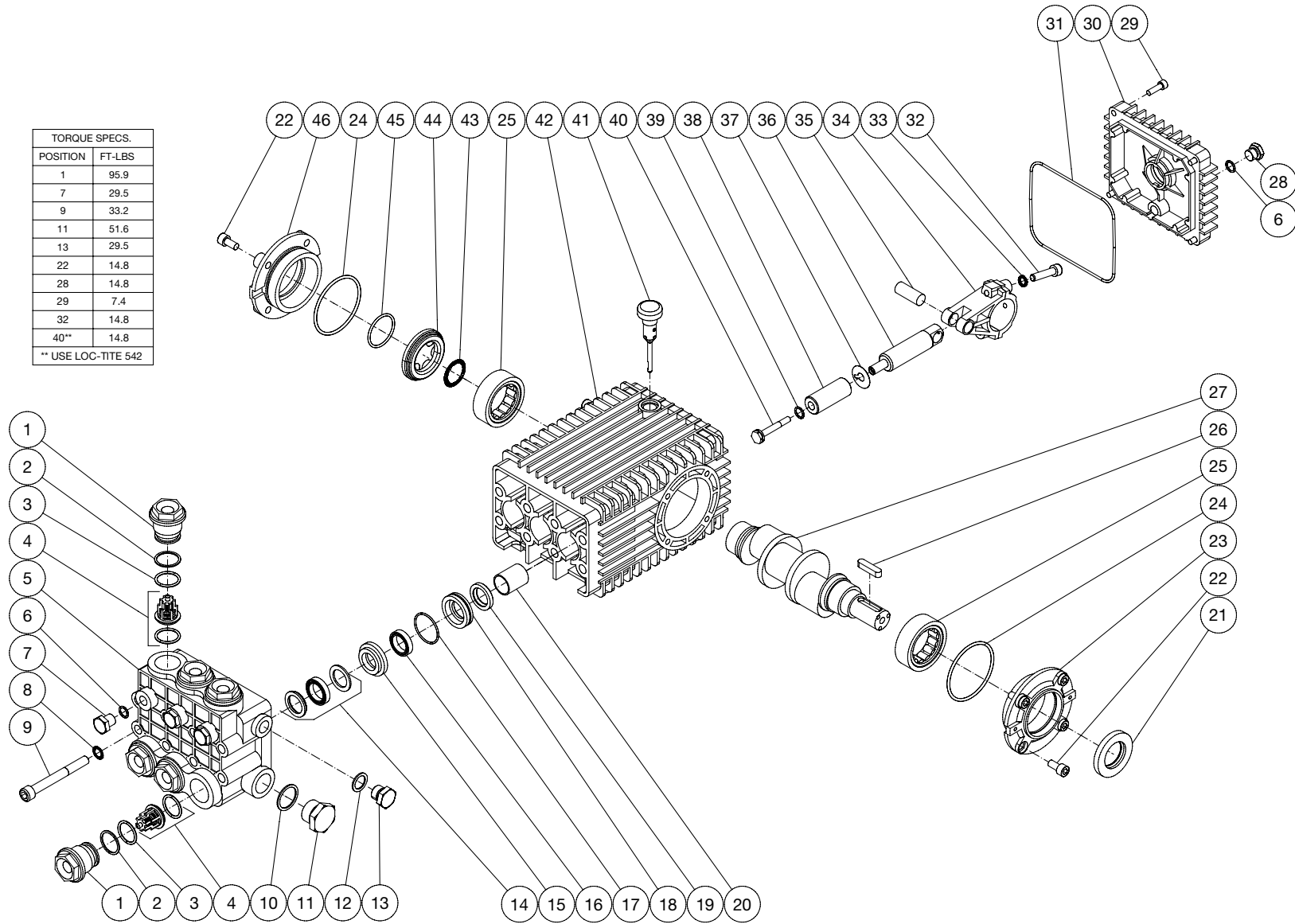
3-0213 020123							
PUMP ASSEMBLY							
ITEM	DESCRIPTION	PART #	QTY		ITEM	DESCRIPTION	PART # QTY
1	BOLT	27-8884	8		29	O-RING	25-0514 1
2	COVER	46-0909	1		30	SHIM - .05mm	46-0947 1
3	O-RING	25-0512	2		-	SHIM - .10mm	46-0948 0
4	OIL SEAL	26-0243	1		-	SHIM - .19mm	46-0949 0
5	BEARING	48-0073	2		-	SHIM - .25mm	46-0950 0
6	PUMP KEY	43-0091	1		31	COVER	46-0918 1
7	CRANKSHAFT	N/A	1		32	VALVE CAP	39-0201 6
8	PLUG	39-0102	3		33	BACK-UP RING	25-0509 6
9	O-RING	25-0510	4		34	O-RING	25-0386 6
10	BOLT	27-8888	6		35	VALVE (SEE KIT 70-0314)	22-0318 6
11	COVER	46-0912	1		36	BACK-UP RING (SEE KIT 70-0314)	25-0516 6
12	O-RING	25-0513	1		37	O-RING (SEE KIT 70-0314)	25-0407 6
13	O-RING	25-0370	1		38	PUMP MANIFOLD	46-0900 1
14	OIL SIGHT GLASS	46-0670	1		39	LOCKWASHER	29-0155 8
15	SPRING RETAINER	46-0671	1		40	BOLT	27-8470 8
16	BOLT	27-8892	6		41	O-RING	25-0372 1
17	LOCKWASHER	29-0153	6		42	PLUG	39-0202 1
18	CONNECTING ROD	46-0913	3		43	SUPPORT RING (SEE KIT 70-0317)	46-0901 3
19	PLUNGER ROD	46-0915	3		44	HIGH PRESSURE SEAL (SEE KIT 70-0317)	46-0902 3
20	PIN	46-0914	3		45	BACK-UP RING (SEE KIT 70-0317)	46-0903 3
21	WASHER	46-0916	3		46	GUIDE	46-1201 3
22	PISTON	46-0917	3		47	BACK-UP RING (SEE KIT 70-0317)	46-0905 3
23	WASHER	29-0014	3		48	LOW PRESSURE SEAL (SEE KIT 70-0317)	46-0906 3
24	BOLT	27-8965	3		49	O-RING (SEE KIT 70-0317)	25-0511 3
25	DIPSTICK	39-0204	1		50	GUIDE REAR	46-1200 3
26	RETAINER	46-0924	1		51	OIL SEAL	26-0242 3
27	PUMP	46-0925	1		52	CRANKCASE	46-0911 1
28	OIL SIGHT GLASS	46-0926	1		*MUST ORDER IN ONE FOOT LENGTHS		

REPLACEMENT KITS				
KIT#	DESCRIPTION	ITEMS	# OF ASSEMBLIES	# OF CYLINDERS
70-0317	WATER SEALS	43-45, 47-49	3	3
70-0314	VALVES	35, 36, 37	3	3

PUMP ASSEMBLY (3-0301)

TORQUE SPECS.	
POSITION	FT-LBS
1	95.9
7	29.5
9	33.2
11	51.6
13	29.5
22	14.8
28	14.8
29	7.4
32	14.8
40**	14.8

** USE LOC-TITE 542



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PUMP ASSEMBLY (3-0301)

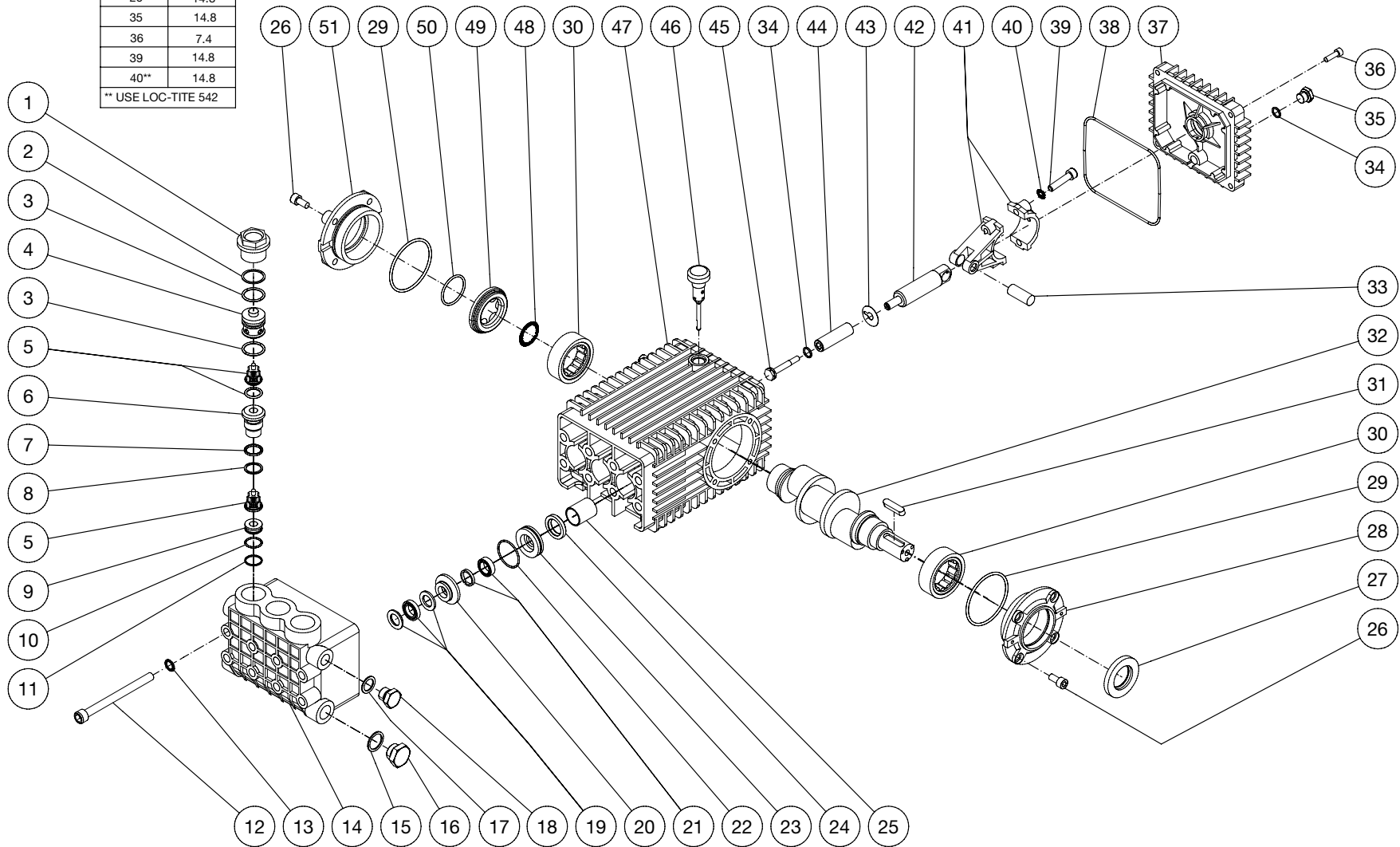
3-0301 120424							
PUMP ASSEMBLY							
ITEM	TITLE	PART #	QTY		ITEM	TITLE	PART # QTY
1	VALVE CAP	46-1222	6		24	O-RING	25-0013 2
2	RING	25-0592	6		25	BEARING	48-0085 2
3	O-RING	25-0139	6		26	KEY	46-0602 1
4	VALVE ASSEMBLY	70-0439	6		27	CRANKSHAFT	46-1344 1
5	MANIFOLD	46-1220	1		28	PLUG	39-0017 1
6	O-RING	25-0310	4		29	BOLT	27-8812 4
7	PLUG	39-0222	3		30	CRANKCASE COVER	46-1212 1
8	LOCKWASHER	29-0155	8		31	O-RING	25-0339 1
9	BOLT	27-9595	8		32	BOLT	27-8435 6
10	GASKET	28-1051	1		33	LOCKWASHER	29-1014 6
11	PLUG	39-0221	1		34	CONNECTING ROD	46-1211 3
12	WASHER	28-1002	1		35	CONNECTING ROD PIN	43-0118 3
13	PLUG	39-0018	2		36	PLUNGER ROD	46-1213 3
14	HIGH PRESSURE SEALS (SEE KIT 70-0440 & 70-0441)	SEE KIT	3		37	SLINGER WASHER	46-1214 3
15	HIGH PRESSURE RING (SEE KIT 70-0441)	SEE KIT	3		38	PLUNGER	46-1221 3
16	LOW PRESSURE SEAL (SEE KIT 70-0440 & 70-0441)	SEE KIT	3		39	O-RING	25-0698 3
17	O-RING (SEE KIT 70-0441)	25-0015	3		40	BOLT / PISTON	46-1216 3
18	LOW PRESSURE SEAL (SEE KIT 70-0441)	SEE KIT	3		41	OIL DIP STICK	46-0144 1
19	OIL SEAL (SEE KIT 70-0432)	26-0047	3		42	CRANKCASE	46-1209 1
20	BUSHING	9-0029	3		43	RETAINER CLIP	46-1887 1
21	OIL SEAL	26-0049	1		44	OIL LEVEL INDICATOR	46-1913 1
22	BOLT	27-8431	8		45	O-RING- COVER	25-0142 1
23	CRANKCASE COVER OPEN	46-1217	1		46	CRANKCASE COVER	46-1208 1

KIT #	DESCRIPTION	ITEMS	# OF ASSEMBLIES	# OF CYLINDERS
70-0432	OIL SEAL KIT	19	3	3
70-0439	VALVE KIT	4	6	3
70-0440	LOW/HIGH PRESSURE SEALS	14, 16	3	3
70-0441	PACKING KIT	14-18	1	1

PUMP ASSEMBLY (3-0262)

TORQUE SPECS.	
POSITION	FT-LBS
1	132.8
12	33.2
16	29.5
18	29.5
26	14.8
35	14.8
36	7.4
39	14.8
40**	14.8

** USE LOC-TITE 542



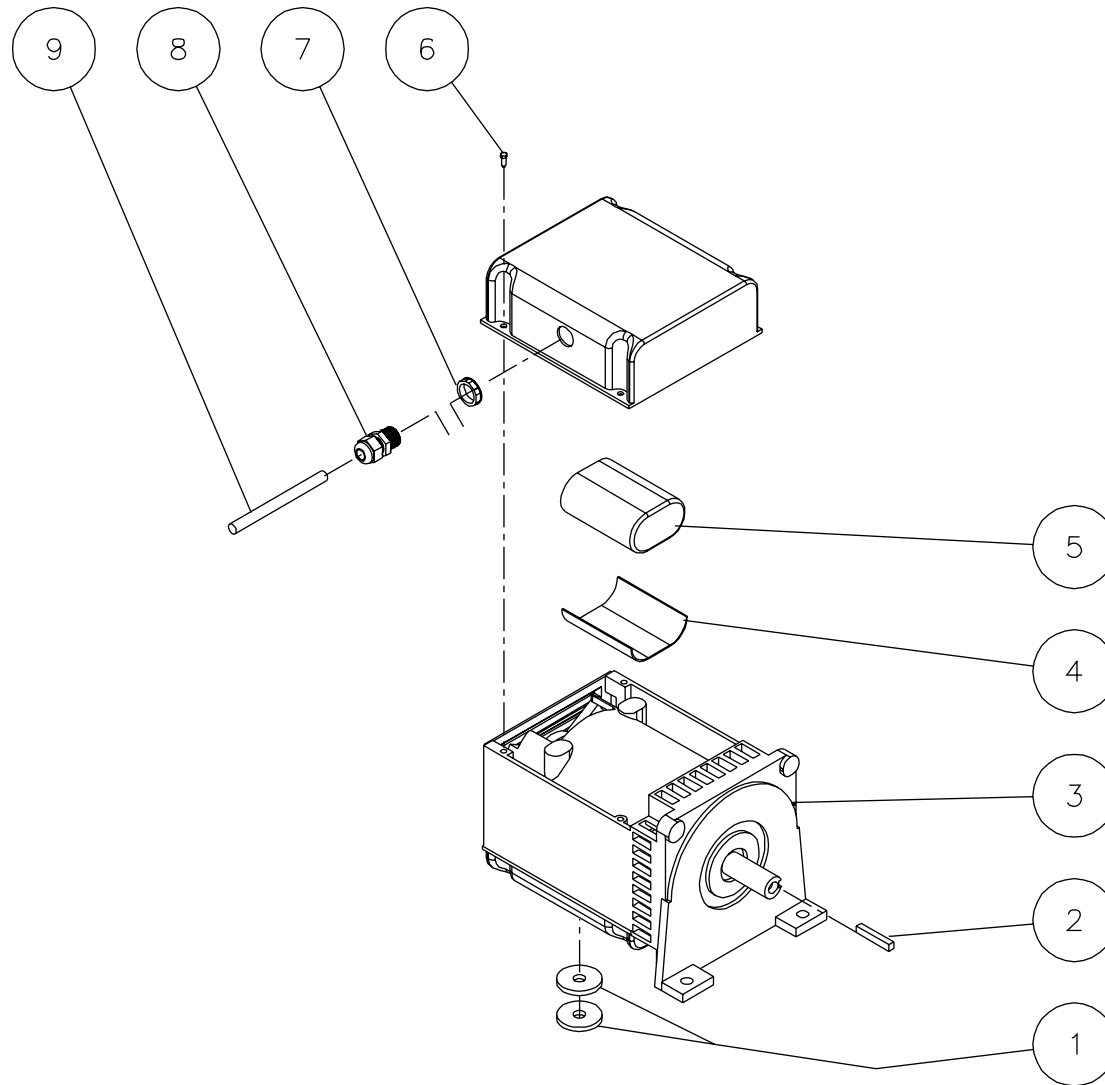
For parts Call 888-279-9274

PUMP ASSEMBLY (3-0262)

PUMP ASSEMBLY				3-0262 112024			
ITEM	TITLE	PART #	QTY	ITEM	TITLE	PART #	QTY
1	VALVE PLUG	46-1203	3	27	OIL SEAL	26-0049	1
2	RING	25-0592	3	28	CRANKCASE COVER OPEN	46-1217	1
3	O-RING	25-0139	6	29	O-RING	25-0013	2
4	CAP	46-1206	3	30	BEARING	48-0085	2
5	VALVE ASSEMBLY (SEE KIT 70-0431)	-	6	31	KEY	46-0602	1
6	GUIDE	46-1205	3	32	CRANKSHAFT	46-1210	1
7	O-RING	25-0160	3	33	CONNECTING ROD PIN	43-0118	3
8	BACKUP RING	25-0430	3	34	O-RING	25-0310	4
9	SPACER	46-1204	3	35	PLUG	39-0420	1
10	O-RING	25-0130	3	36	BOLT	27-8812	4
11	BACKUP RING	25-0591	3	37	CRANKCASE COVER	46-1212	1
12	BOLT	27-8073	8	38	O-RING	25-0339	1
13	LOCKWASHER	29-0155	8	39	BOLT	27-8435	6
14	MANIFOLD	46-1218	1	40	LOCKWASHER	29-1014	1
15	WASHER	28-1038	1	41	CONNECTING ROD	46-1211	3
16	PLUG	39-0019	1	42	PLUNGER ROD	46-1213	3
17	WASHER	28-1002	1	43	SLINGER WASHER	46-1214	3
18	PLUG	39-0018	2	44	PLUNGER	46-1219	3
19	HIGH PRESSURE SEAL ASSEMBLY (SEE KIT 70-0433 & 70-0434)	-	3	45	BOLT / PISTON	46-1216	3
20	HIGH PRESSURE INTERMEDIATE SEAL RETAINER (SEE KIT 70-0434)	-	3	46	OIL DIP STICK	46-0144	1
21	LOW PRESSURE SEAL OD 26 X ID 10 X 5MM (SEE KIT 70-0433 & 70-0434)	-	3	47	CRANKCASE	46-1209	1
22	O-RING (SEE KIT 70-0434)	25-0015	3	48	RETAINER CLIP	46-1887	1
23	LOW PRESSURE SEAL RETAINER (SEE KIT 70-0434)	-	3	49	OIL LEVEL INDICATOR	46-1913	1
24	OIL SEAL (SEE KIT 70-0432)	26-0047	3	50	O-RING- COVER	25-0142	1
25	BUSHING	9-0029	3	51	CRANKCASE COVER	46-1208	1
26	BOLT	27-8431	8				

KIT #	DESCRIPTION	ITEMS	# OF ASSEMBLIES	# OF CYLINDERS
70-0432	OIL SEAL KIT	24	3	3
70-0431	VALVE KIT	5	6	3
70-0436	LOW/HIGH PRESSURE SEALS	19, 21	3	3
70-0435	PACKING KIT	19-23	1	1

GENERATOR (850-0298)



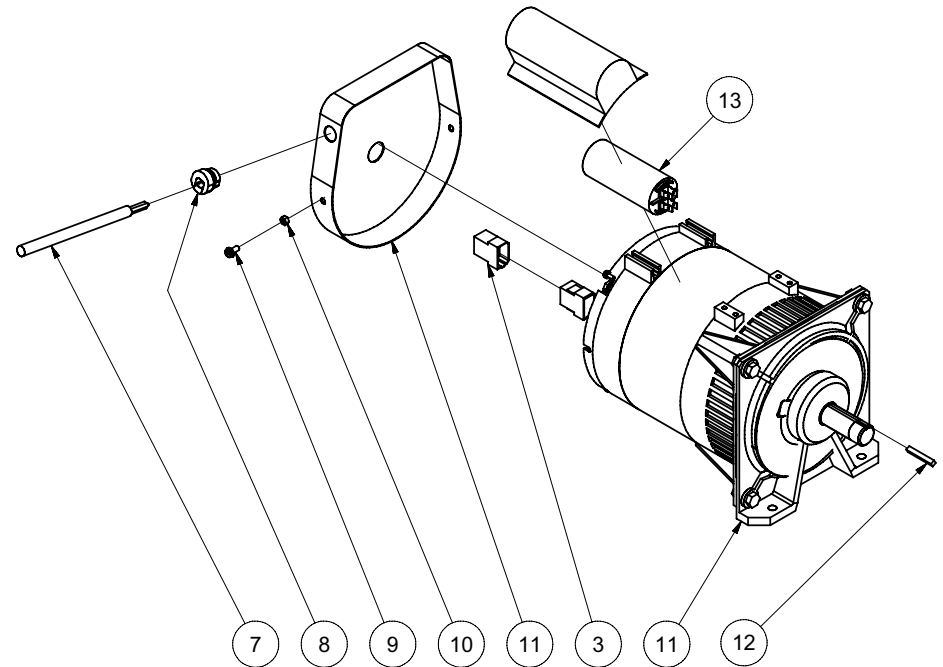
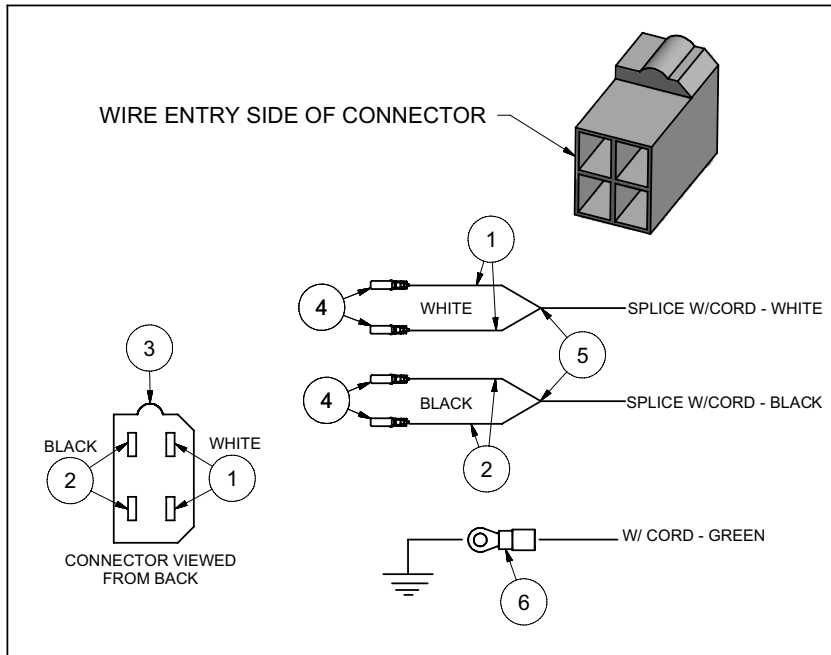
For parts Call 888-279-9274

GENERATOR (850-0298)

850-0298-070901-BAR

GENERATOR (850-0298)			
REF #	DESCRIPTION	PART #	QTY
1	Spacer (See 850-0298)	N/A Sep.	2
2	Shaft Key (See 850-0298)	N/A Sep.	1
3	Generator (See 850-0298)	N/A Sep.	1
4	Foam Pad (See 850-0298)	N/A Sep.	1
5	Capacitor	32-0698	1
6	Screw	27-8878	8
7	Strain Relief Nut	32-0108	1
8	Strain Relief	32-0437	1
9	Cord	32-0440	1
	Generator (Includes 1-9)	850-0298	

GENERATOR (850-0352)

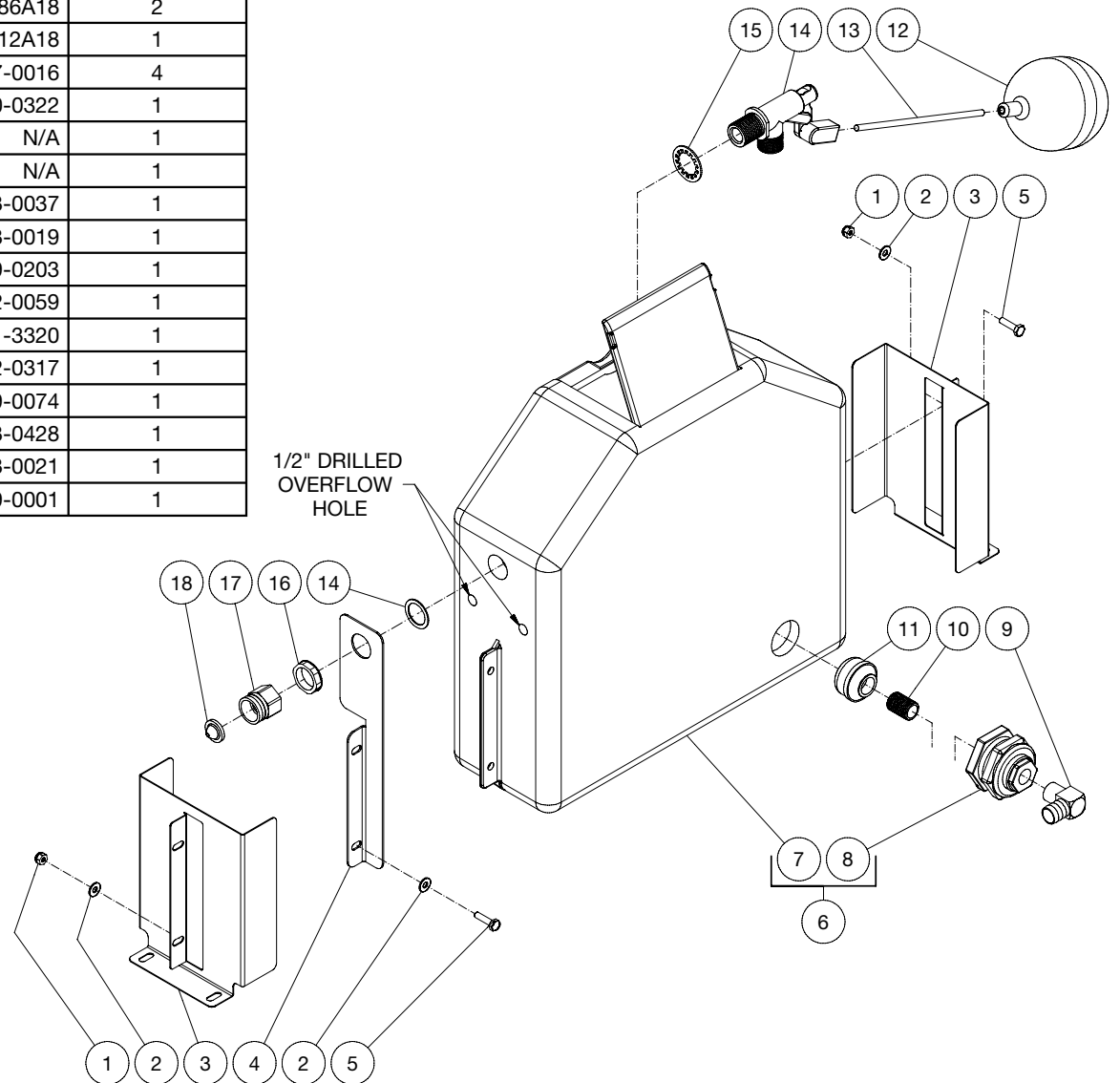


850-0352 032023			
GENERATOR ASSEMBLY			
ITEM	TITLE	PART #	QTY
1	WIRE - WHITE *(ONE FOOT REQUIRED)	32-0452	2
2	WIRE - BLACK *(ONE FOOT REQUIRED)	32-0091	2
3	CONNECTOR	N/A	1
4	TERMINAL	32-0878	4
5	CRIMP	32-0417	2
6	TERMINAL RING	32-0002	1
7	CORD *(FIVE FEET REQUIRED)	32-0440	-
8	BUSHING	9-0045	1
9	SCREW	27-9593	2
10	NUT	30-6001	2
11	ALTERNATOR	32-0895	1
12	KEY	43-0072	1
13	CAPACITOR	32-0913	1
*MUST ORDER IN ONE FOOT LENGTHS			

For parts Call 888-279-9274

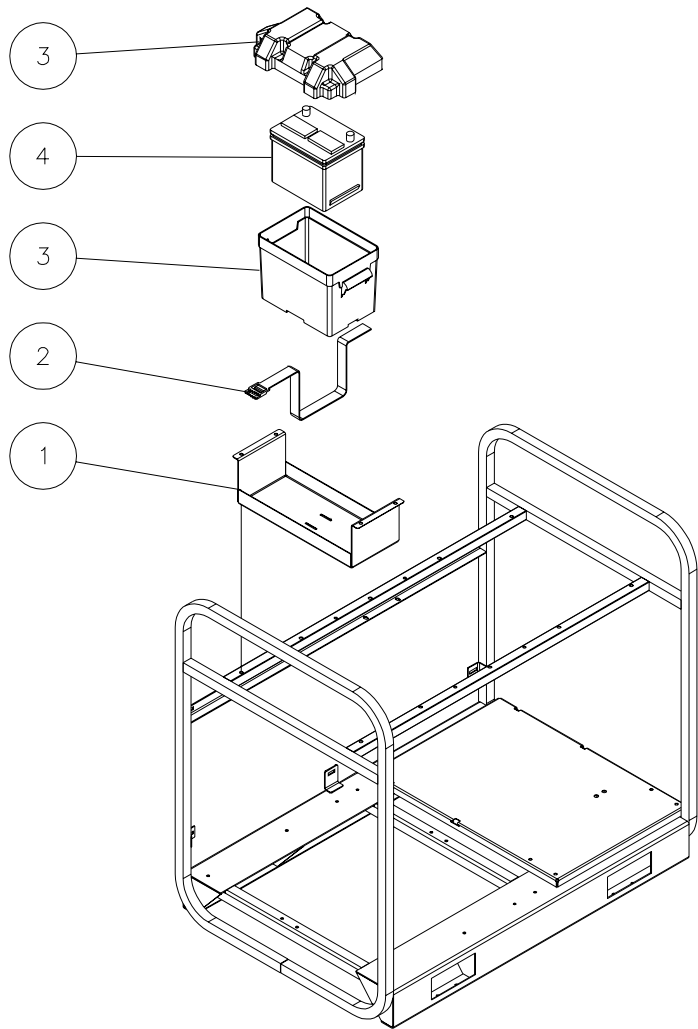
FLOAT TANK ASSEMBLY

HDS FLOAT TANK ASS 051120 JVA			
FLOAT TANK ASSEMBLY			
ITEM	DESCRIPTION	PART #	QTY
1	LOCKNUT	30-0155	4
2	WASHER	28-0002	6
3	BRACKET / FLOAT TANK	20-0586A18	2
4	BRACKET	20-0912A18	1
5	BOLT	27-0016	4
6	FLOAT TANK ASSEMBLY (INC. 7-8)	850-0322	1
7	FLOAT TANK	N/A	1
8	BULKHEAD (INC. 25-0506 GASKET)	N/A	1
9	ELBOW	23-0037	1
10	NIPPLE	23-0019	1
11	STRAINER	19-0203	1
12	FLOAT	22-0059	1
13	BALL FLOAT STUD	31-3320	1
14	FLOAT VALVE	22-0317	1
15	LOCKWASHER	29-0074	1
16	LOCKNUT	23-0428	1
17	GARDEN HOSE INLET	23-0021	1
18	FILTER	19-0001	1



For parts Call 888-279-9274

BATTERY BOX ASSEMBLY (3006-0R7G)

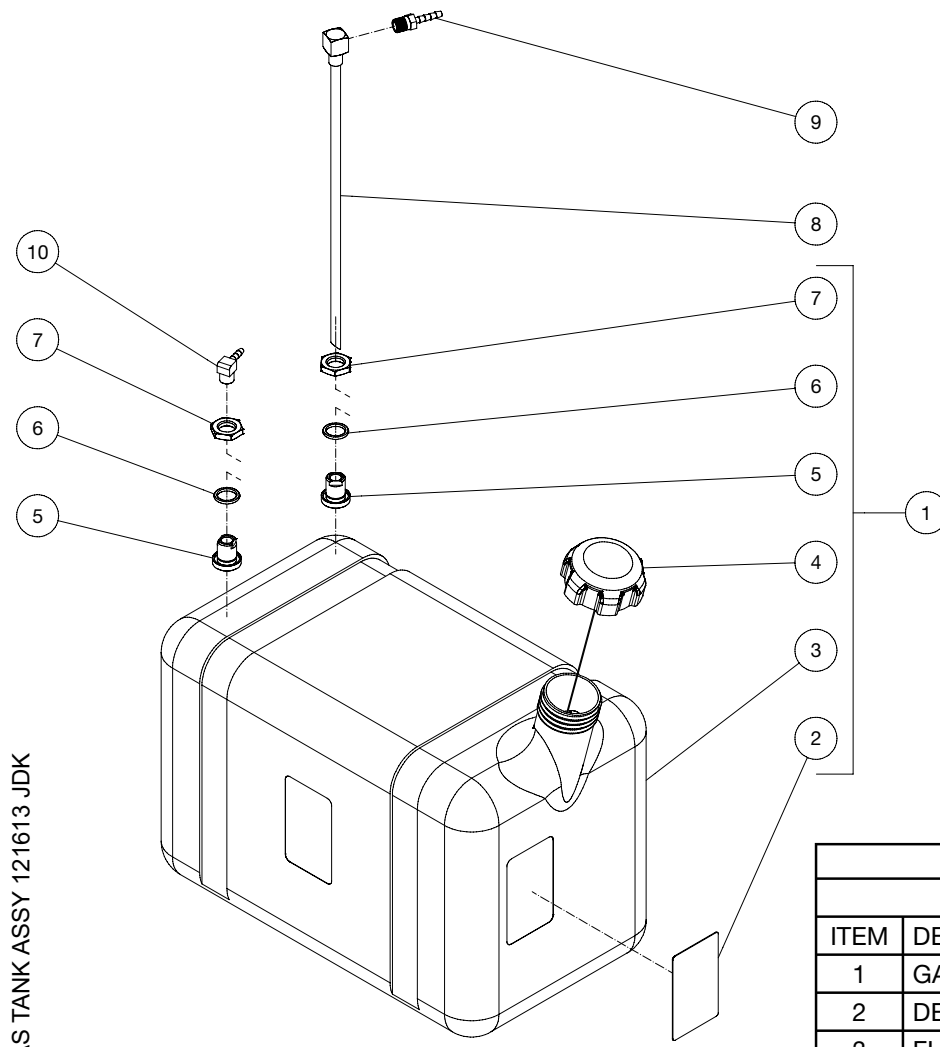


HS/HVS-3006-0R7G BATTERY BOX ASSY-082802-BAR

BATTERY BOX ASSEMBLY (HVS-3006-0R7G)			
REF. #	DESCRIPTION	PART #	QTY.
1	Battery Retainer Bracket	20-0677A18	1
2	Strap	33-0089	1
3	Battery Box	33-0093	1
4	Battery	32-0059	1

HS-3006-0MGD BATTERY BOX ASSY-082802-BAR

GAS TANK ASSEMBLY (850-0306)

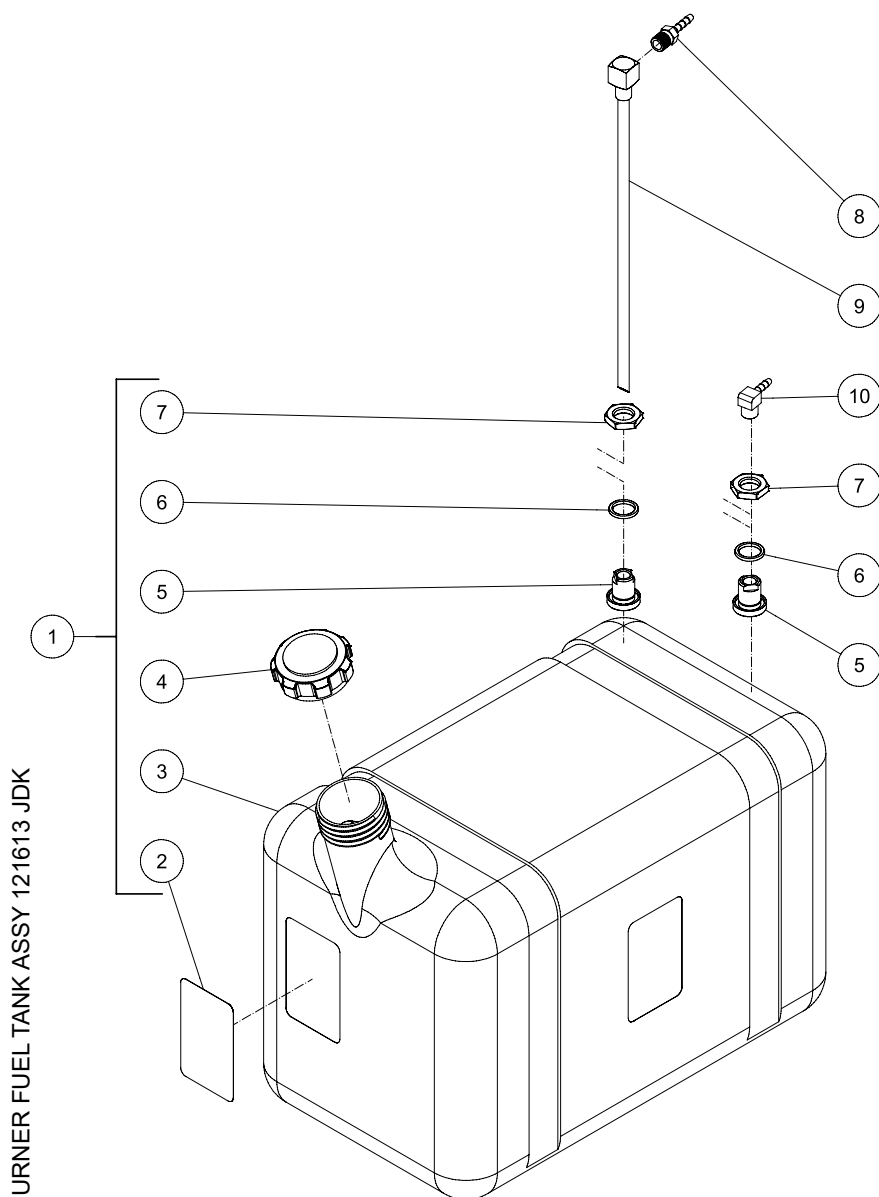


For parts Call 888-279-9274

HDS GAS TANK ASSY 121613 JDK			
GAS TANK ASSEMBLY			
ITEM	DESCRIPTION	PART #	QTY
1	GAS TANK ASSY (INC 2-7)	850-0306	1
2	DECAL - CAUTION: GASOLINE ONLY (SEE 71-0034)	N/A	1
3	FUEL TANK - RED	N/A	1
4	FUEL CAP - SEALED/TETHERED	12-0220	1
5	BULKHEAD FITTING	23-0408	2
6	O-RING	25-0427	2
7	NUT	23-0409	2
8	FUEL PICK-UP	33-0352	1
9	BARB	23-0051	1
10	ELBOW	23-0054	1

HDS GAS TANK ASSY 121613 JDK

BURNER FUEL TANK (850-0307)



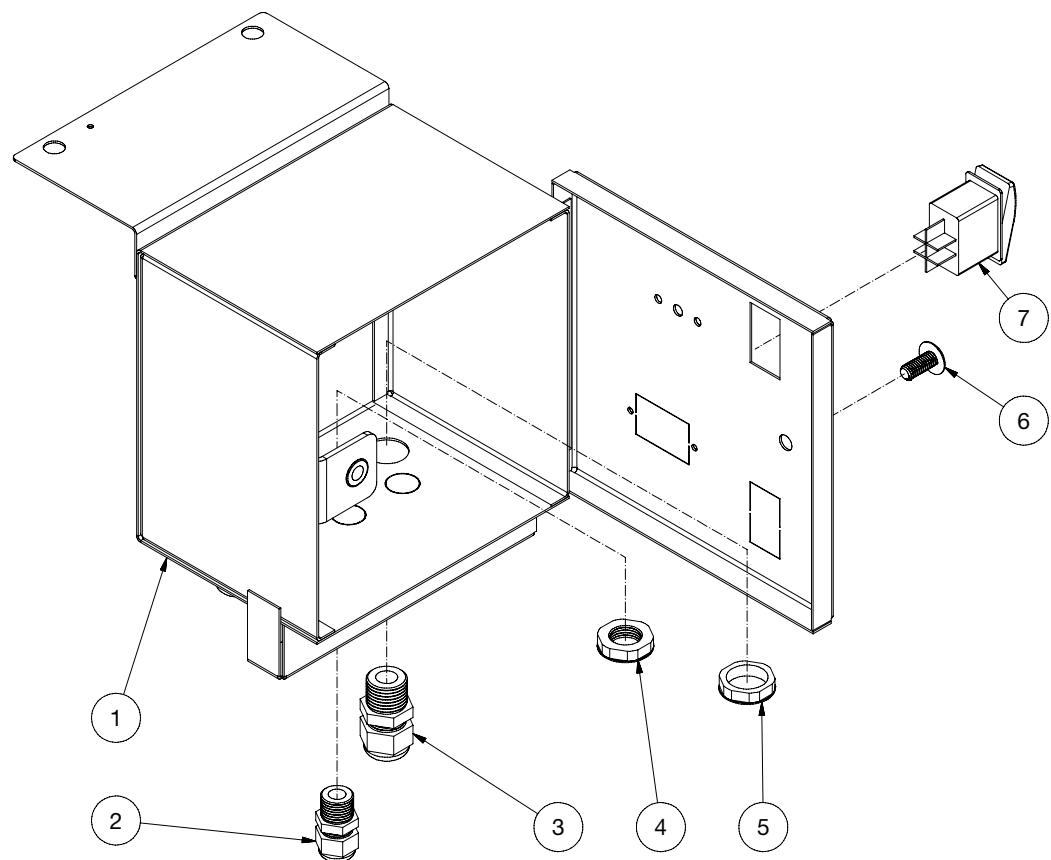
For parts Call 888-279-9274

HDS BURNER FUEL TANK ASSY-121613-JDK			
BURNER FUEL TANK			
REF. #	DESCRIPTION	PART #	QTY.
1	Fuel Tank Assembly (Inc. 2-7)	850-0307	1
2	Decal- Caution: Risk of Fire	34-1034	1
3	Fuel Tank (See 850-0307)	N/A Sep.	1
4	Fuel Cap	12-0033	1
5	Bulkhead Fitting	23-0408	2
6	O-ring	25-0427	2
7	Nut	23-0409	2
8	Hose Barb	23-0051	1
9	Fuel Pickup	33-0352	1
10	Elbow	23-0054	1

DIESEL FUEL TANK ASSY-021313-KMD

EX-9339 TECH-072825

ELECTRICAL BOX ASSEMBLY

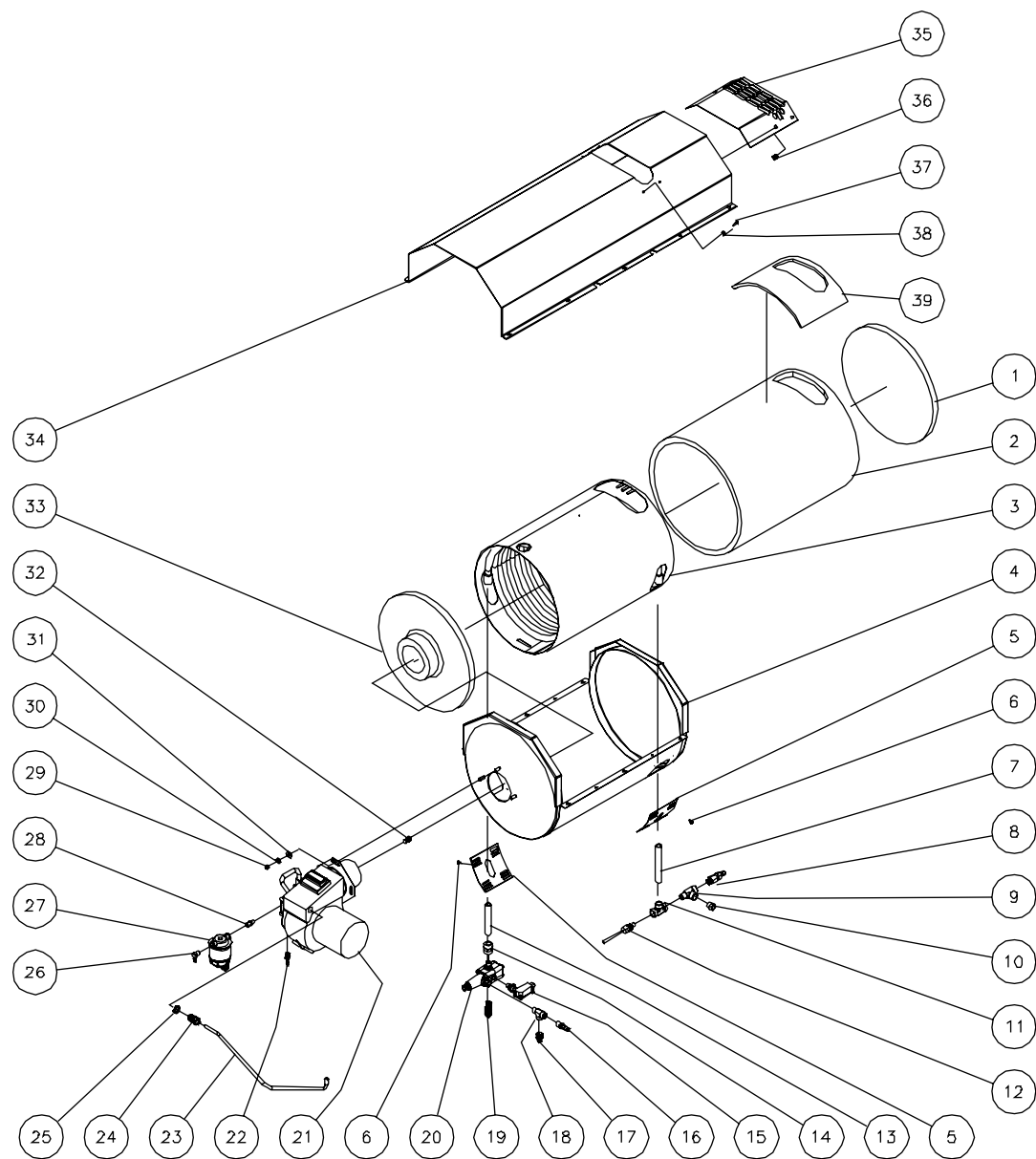


HS ELECTRIC BOX ASSY 050323

ELECTRICAL BOX ASSEMBLY

HS ELECTRIC BOX ASSY 050323			
ELECTRIC BOX ASSEMBLY			
ITEM	DESCRIPTION	PART #	QTY
1	ELECTRIC BOX	20-1097A18	1
2	STRAIN RELIEF	32-0586	1
3	STRAIN RELIEF	32-0437	3
4	ELECTRICAL LOCKNUT	32-0587	1
5	ELECTRICAL LOCKNUT	32-0108	3
6	BOLT	27-2097	1
7	ROCKER SWITCH	32-0669	1

HEAT EXCHANGER ASSEMBLY FOR 3005/3006/3504/3505/3506 (BEFORE SERIAL #15009977)



For parts Call 888-279-9274

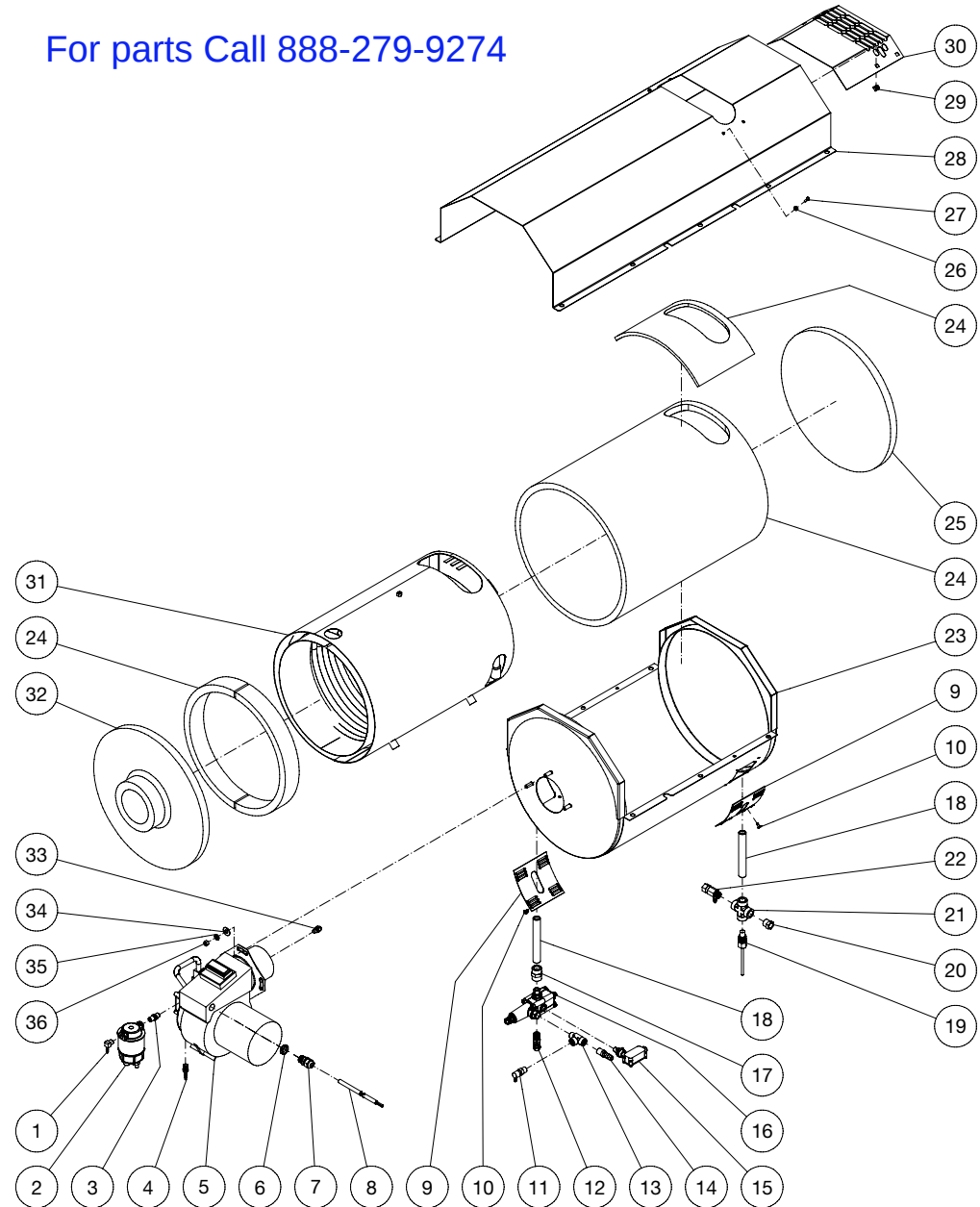
HS-3005/3006/3504/3505/3506 HEAT EXCHANGER ASSY-050903-KZ

HEAT EXCHANGER ASSEMBLY FOR 3005/3006/3504/3505/3506 (BEFORE SERIAL #15009977)

HS-3005/3006/3504/3505/3506 HEAT EXCHANGER ASSY-050903-KZ			
HEAT EXCHANGER			
REF. #	DESCRIPTION	PART #	QTY.
1	Insulation Disc	33-0346	1
2	Insulation Blanket	850-0279	1
3	Coil Assembly	66-0014	1
4	Bottom Wrap Assembly	20-0666A18	1
5	Patch Plate	20-0537A01	2
6	Screw	27-3062	8
7	Pipe Nipple	24-0254	1
8	Safety Relief Valve	22-0309	1
9	Street Tee	24-0242	1
10	Reducer Bushing	23-0016	1
11	Tee	24-0055	1
12	Hi-Limit Switch	32-0667	1
13	Pipe Nipple	24-0245	1
14	Adapter	24-0243	1
15	Pressure Switch	22-0243	1
16	Hose Barb	23-0105	1
17	Heat Dump Valve	22-0114	1
18	Tee	23-0058	1
19	Elbow	24-0092	1
20	Unloader	850-0304	1
21	Burner	4-0017	1
22	Hose Barb	23-0051	1
23	Cord	32-0247	1
24	Strain Relief	32-0437	1
25	Locknut	32-0108	1
26	Elbow	23-0054	1
27	Fuel Water Seperator	19-0070	1
28	Nipple	24-0145	1
29	Nut	30-0006	3
30	Lockwasher	29-0008	3
31	Flatwasher	28-0023	3
32	Fuel Nozzle (3005/3006/3505/3506)	18-0361	1
-	Fuel Nozzle (3504)	18-0090	1
33	Insulation Drum Head	33-0345	1
34	Top Wrap	20-0664A18	1
35	Exhaust Plate	21-0171	1
36	Nut	30-6028	4
37	Screw	27-8912	4
38	Washer	28-0001	4
39	Insulation Pad	850-0323	1

HEAT EXCHANGER ASSEMBLY FOR 3005/3006/3504/3505/3506 (AFTER SERIAL #15009977)

For parts Call 888-279-9274

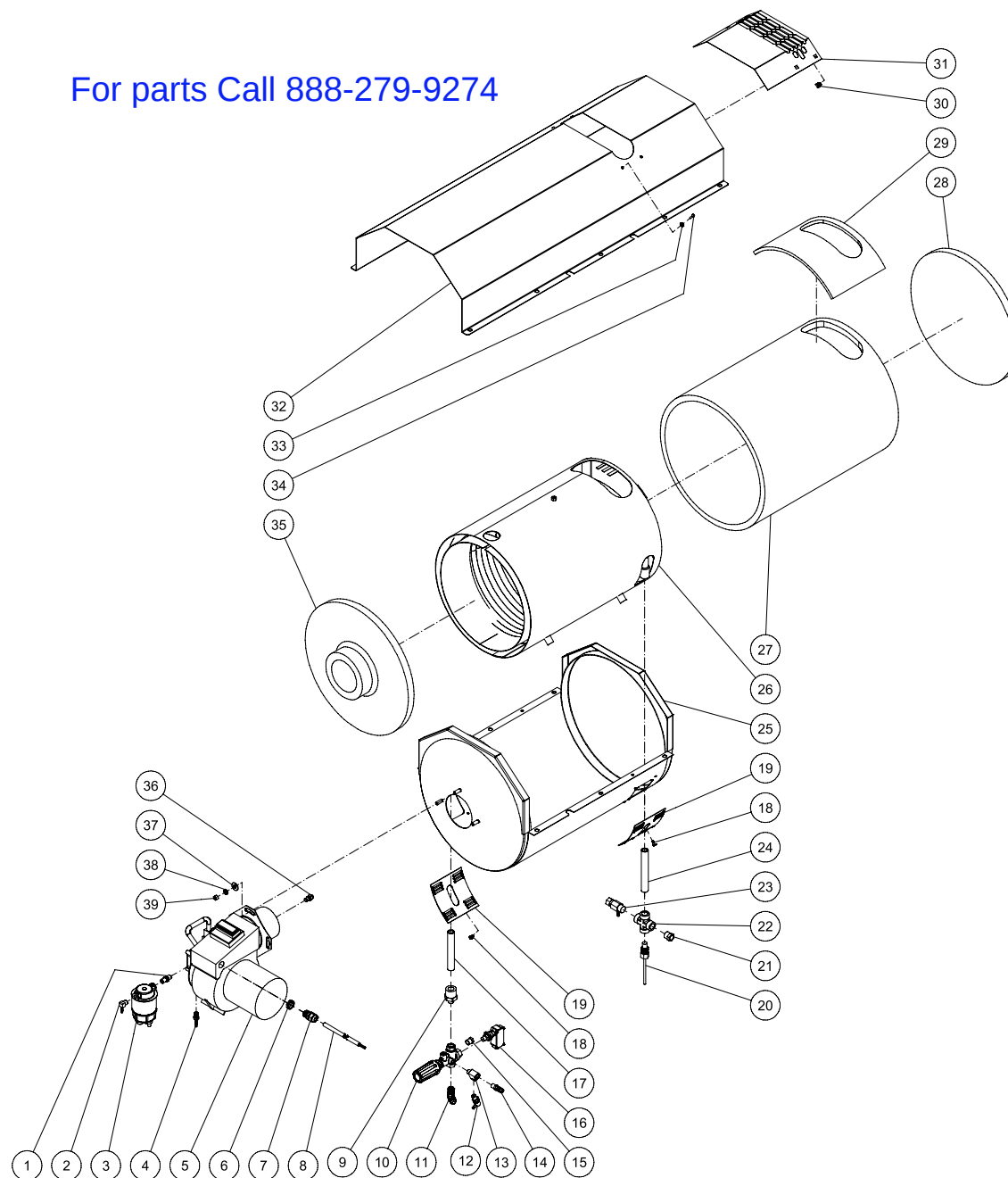


HEAT EXCHANGER ASSEMBLY FOR 3005/3006/3504/3505/3506 (AFTER SERIAL #15009977)

HS 3005 3006 3504 3505 3506 HEAT EXCHANGER ASSY 053024			
HEAT EXCHANGER ASSEMBLY			
ITEM	DESCRIPTION	PART #	QTY
1	ELBOW	23-0054	1
2	FUEL FILTER / WATER SEPERATOR	19-0070	1
3	NIPPLE	24-0145	1
4	BARB	23-0051	1
5	BURNER	4-0017	1
6	ELECTRICAL LOCKNUT	32-0108	1
7	STRAIN RELIEF	32-0437	1
8	CORD *(FOUR FEET REQUIRED)	32-0247	1
9	PATCH PLATE	20-0537A18	2
10	BOLT	27-3062	8
11	HEAT DUMP VALVE	22-0432	1
12	ELBOW	24-0092	1
13	STREET TEE	23-0058	1
14	HOSE BARB	23-0105	1
-	ELBOW (TX-0005/7, HS-3505)	23-0050	1
15	PRESSURE SWITCH	22-0243	1
16	UNLOADER (3006/3506)	850-0304	1
-	UNLOADER (3005/3505)	8-0013	1
-	UNLOADER (3504)	850-0345	1
17	ADAPTER	24-0243	1
18	PIPE NIPPLE	24-0254	2
19	HI-LIMIT SWITCH	32-0667	1
-	THERMOSTAT (HX-0145)	32-0734	1
20	REDUCER BUSHING	23-0016	1
21	CROSS	24-0241	1
22	SAFETY RELIEF VALVE	22-0309	1
23	BOTTOM WRAP	20-0666A18	1
24	INSULATION BLANKET	850-0314	1
25	INSULATION DISC	33-0346	1
26	WASHER	28-0001	4
27	SCREW	27-8912	4
28	TOP WRAP	20-0664A18	1
29	CLIP NUT	30-6028	4
30	EXHAUST GUARD	21-0171	1
31	COIL	66-0014	1
32	INSULATION DRUM HEAD	33-0345	1
33	FUEL NOZZLE	18-0361	1
-	NOZZLE SOLID (3504)	18-0090	1
34	WASHER	28-0023	3
35	LOCKWASHER	29-0008	3
36	NUT	30-0006	3
*MUST ORDER IN ONE FOOT LENGTHS			

HEAT EXCHANGER ASSEMBLY FOR 4004/4005 (BEFORE SERIAL #15100089)

For parts Call 888-279-9274

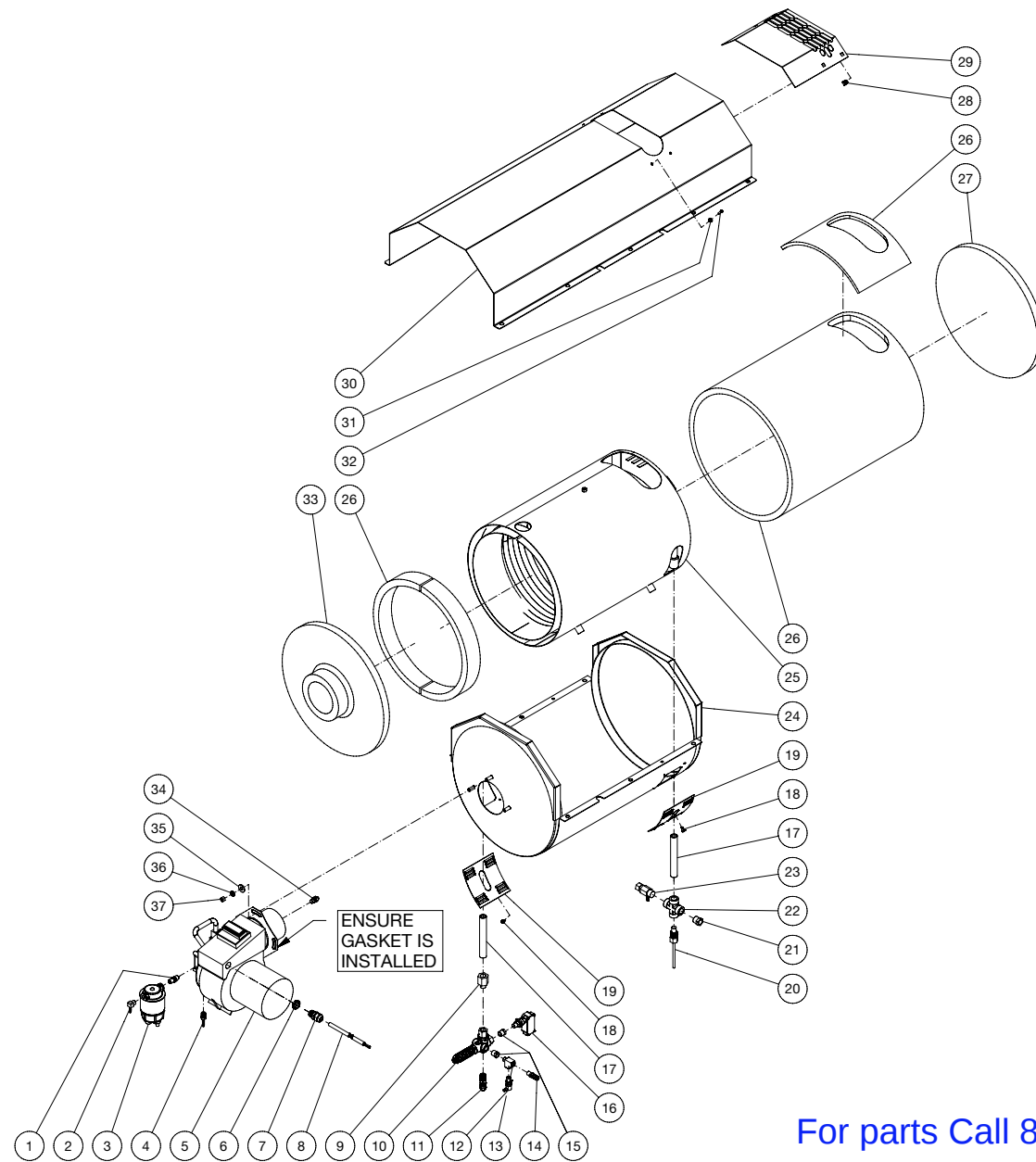


HEAT EXCHANGER ASSEMBLY FOR 4004/4005 (BEFORE SERIAL #15100089)

HS 4004_4005 HEAT EXCHANGER ASSY 121310 CAW							
HEAT EXCHANGER ASSEMBLY							
ITEM	DESCRIPTION	PART #	QTY		ITEM	DESCRIPTION	PART # QTY
1	NIPPLE	24-0145	1		21	REDUCER BUSHING	23-0016 1
2	ELBOW	23-0054	1		22	CROSS	24-0241 1
3	FUEL FILTER / WATER SEPERATOR	19-0070	1		23	SAFETY RELEIF VALVE	22-0434 1
4	BARB	23-0051	1		24	PIPE NIPPLE	24-0254 1
5	BURNER	4-0017	1		25	BOTTOM WRAP	20-0666A18 1
6	ELECTRICAL LOCKNUT	32-0108	1		26	COIL	66-0014 1
7	STRAIN RELIEF	32-0437	1		27	INSULATION BLANKET	850-0279 1
8	CORD *(FOUR FEET REQUIRED)	32-0247	1		28	INSULATION DISC	33-0346 1
9	REDUCER	24-0048	1		29	INSULATION PAD	850-0323 1
10	UNLOADER	8-0511	1		30	CLIP NUT	30-6028 4
11	ELBOW	24-0092	1		31	EXHAUST GUARD	21-0171 1
12	HEAT DUMP VALVE	22-0408	1		32	TOP WRAP	20-0664A18 1
13	TEE	23-0127	1		33	WASHER	28-0001 4
14	HOSE BARB	23-0120	1		34	SCREW	27-8912 4
-	ELBOW BARB (TX-0005/7)	23-0119	1		35	INSULATION DRUM HEAD	33-0345 1
15	REDUCER	23-0017	1		36	FUEL NOZZLE (4004)	18-0090 1
16	PRESSURE SWITCH	22-0243	1		-	FUEL NOZZLE (4005)	18-0361 1
17	PIPE NIPPLE	24-0246	1		37	WASHER	28-0023 3
18	BOLT	27-3062	8		38	LOCKWASHER	29-0008 3
19	PATCH PLATE	20-0537A18	2		39	NUT	30-0006 3
20	HI-LIMIT SWITCH	32-0667	1		*MUST ORDER IN ONE FOOT LENGTHS		

For parts Call 888-279-9274

HEAT EXCHANGER ASSEMBLY FOR 4004/4005 (AFTER SERIAL #15100089)



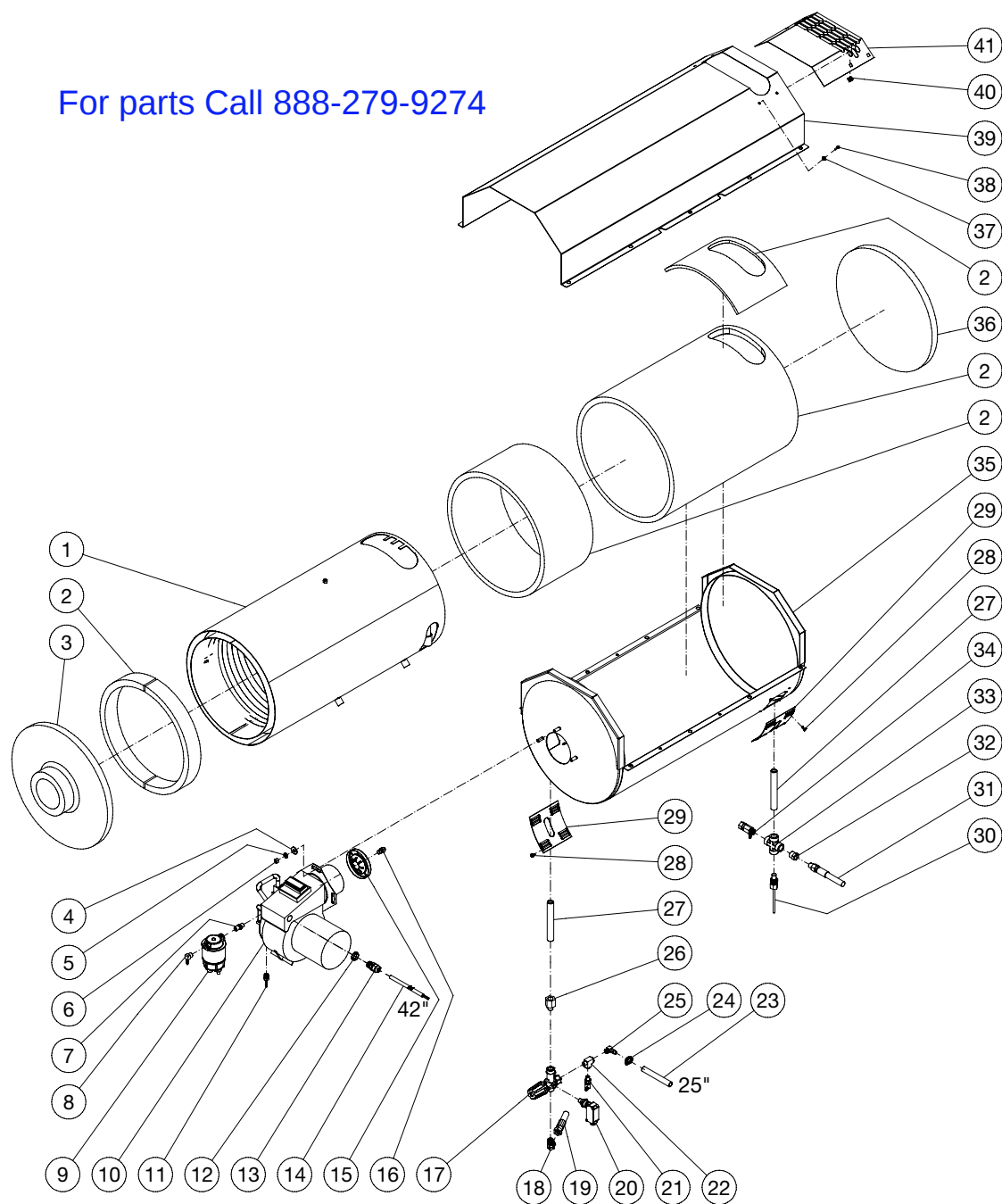
For parts Call 888-279-9274

HEAT EXCHANGER ASSEMBLY FOR 4004/4005 (AFTER SERIAL #15100089)

HS 4004_4005 HEAT EXCHANGER ASSY 053024			
HEAT EXCHANGER			
ITEM	DESCRIPTION	PART #	QTY
1	NIPPLE	24-0145	1
2	ELBOW	23-0054	1
3	FUEL FILTER / WATER SEPERATOR	19-0070	1
4	BARB	23-0051	1
5	BURNER	4-0017	1
6	ELECTRICAL LOCKNUT	32-0108	1
7	STRAIN RELIEF	32-0437	1
8	CORD *(FOUR FEET REQUIRED)	32-0247	1
9	REDUCER	24-0048	1
10	UNLOADER	8-0634	1
11	ELBOW	24-0092	1
12	HEAT DUMP VALVE	22-0408	1
13	TEE	23-0127	1
14	HOSE BARB	23-0120	1
-	ELBOW	23-0119	1
15	REDUCER	23-0017	2
16	PRESSURE SWITCH	22-0243	1
17	PIPE NIPPLE	24-0254	2
18	BOLT	27-3062	8
19	PATCH PLATE	20-0537A18	2
20	HI-LIMIT SWITCH	32-0667	1
-	THERMOSTAT - ADJ 250F 72" CAP	32-0734	1
21	REDUCER BUSHING	23-0016	1
22	CROSS	24-0241	1
23	SAFETY RELEIF VALVE	22-0434	1
24	BOTTOM WRAP	20-0666A18	1
25	COIL	66-0014	1
26	INSULATION BLANKET	850-0314	1
27	INSULATION DISC	33-0346	1
28	CLIP NUT	30-6028	4
29	EXHAUST GUARD	21-0171	1
30	TOP WRAP	20-0664A18	1
31	WASHER	28-0001	4
32	SCREW	27-8912	4
33	INSULATION DRUM HEAD	33-0345	1
34	FUEL NOZZLE	18-0090	1
-	NOZZLE SOLID OIL 2.75 90 DEG B	18-0361	1
35	WASHER	28-0023	3
36	LOCKWASHER	29-0008	3
37	NUT	30-0006	3
*MUST ORDER IN ONE FOOT LENGTHS			

HEAT EXCHANGER ASSEMBLY FOR 3008

For parts Call 888-279-9274

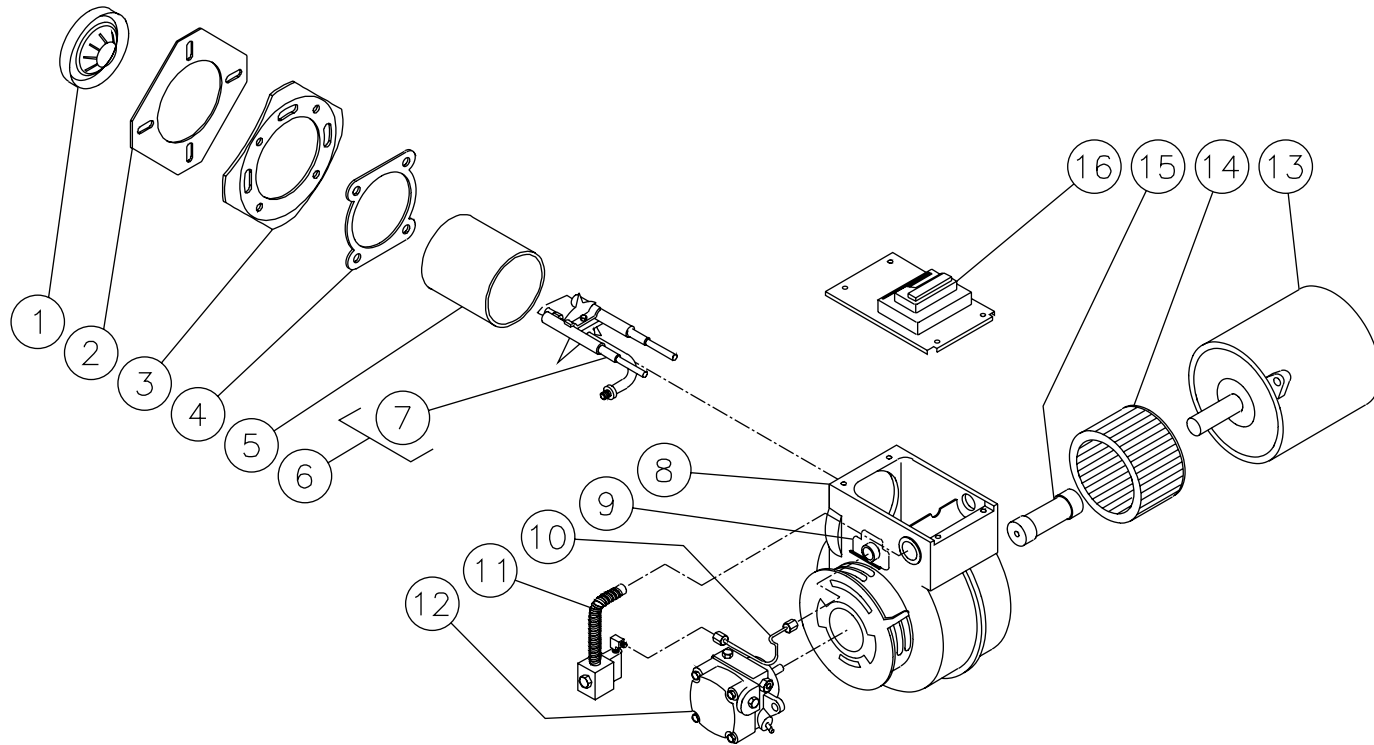


HEAT EXCHANGER ASSEMBLY FOR 3008

HVS 3008 HEAT EXCHANGER ASSY 021623			
HEAT EXCHANGER ASSEMBLY			
ITEM	DESCRIPTION	PART #	QTY
1	COIL	66-0021	1
2	INSULATION FOR HEAT EXCHANGER	850-0323	1
3	INSULATION DRUM HEAD	33-0345	1
4	WASHER	28-0023	3
5	LOCKWASHER	29-0008	3
6	NUT	30-0006	3
7	NIPPLE	24-0145	1
8	ELBOW	23-0054	1
9	FUEL FILTER / WATER SEPERATOR	19-0070	1
10	BURNER	4-0017	1
11	BARB	23-0051	1
12	ELECTRICAL LOCKNUT	32-0108	1
13	STRAIN RELIEF	32-0437	1
14	CORD *(FOUR FEET REQUIRED)	32-0247	1
15	COMBUSTION HEAD	44-0162	1
16	FUEL NOZZLE	18-0175	1
17	UNLOADER	8-0361	1
18	ELBOW	24-0092	1
19	HIGH PRESSURE HOSE ASSEMBLY	15-0221	1
20	PRESSURE SWITCH (DIESEL)	22-0119	1
-	PRESSURE SWITCH (GASOLINE)	22-0243	1
21	HEAT DUMP VALVE	22-0408	1
22	TEE	23-0127	1
23	HOSE *(THREE FEET REQUIRED)	15-0007	1
24	HOSE CLAMP	42-0011	1
25	ELBOW	23-0119	1
26	REDUCER	24-0048	1
27	PIPE NIPPLE	24-0254	2
28	BOLT	27-3062	8
29	PATCH PLATE	20-0537A18	2
30	HI-LIMIT SWITCH	32-0667	1
-	THERMOSTAT (HX-0145)	32-0734	1
31	HIGH PRESSURE HOSE	15-0202	1
32	REDUCER BUSHING	23-0016	1
33	CROSS	24-0241	1
34	SAFETY RELIEF VALVE	22-0309	1
35	BOTTOM WRAP	20-1091A18	1
36	INSULATION DISC	33-0346	1
37	WASHER	28-0001	4
38	SCREW	27-8912	4
39	TOP WRAP	20-1090A18	1
40	CLIP NUT	30-6028	4
41	EXHAUST GUARD	21-0171	1
*MUST ORDER IN ONE FOOT LENGTHS			

BURNER ASSEMBLY (4-0017) (BEFORE SERIAL #15008085)

For parts Call 888-279-9274



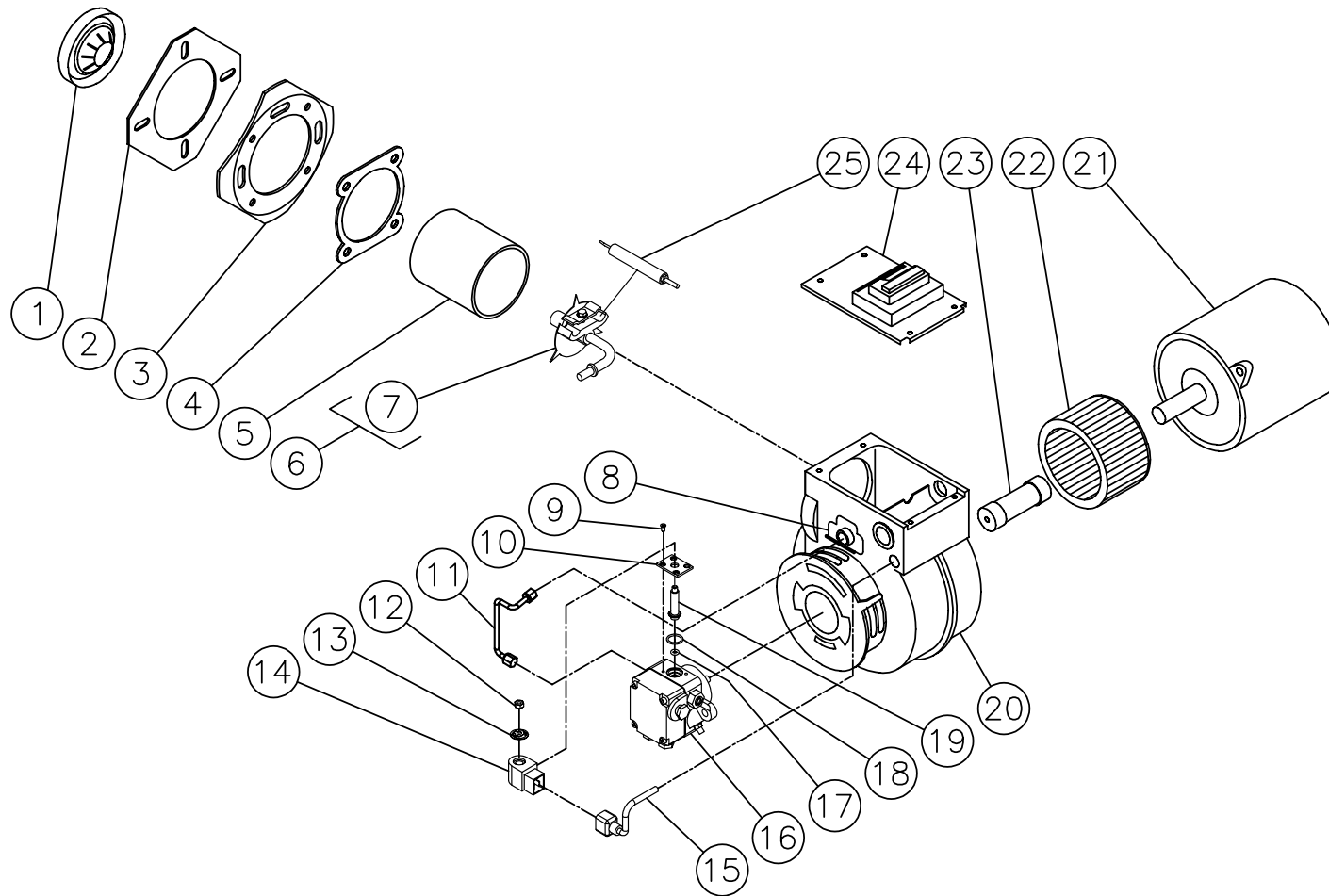
BURNER ASSEMBLY (4-0017) (BEFORE SERIAL #15008085)

4-0017-041200-BAR

BURNER ASSEMBLY (4-0017) (BEFORE SERIAL #15008085)								
REF.	DESCRIPTION	PART #	QTY.		REF.	DESCRIPTION	PART #	QTY.
1	Burner Head	44-0011	1		10	Fuel Line	44-0026	1
2	Mounting Gasket	44-0108	1		11	Fuel Solenoid	44-0038	1
3	Flange	44-0109	1		12	Fuel Pump	3-0020	1
4	Gasket	26-0138	1		13	Motor	2-0068	1
5	Air Tube	44-0110	1		14	Blower Wheel	44-0071	1
6	Nozzle Line Assembly (Inc. 7)	44-0113	1		15	Coupler	44-0014	1
7	Electrode Kit	44-0114	1		16	Ignition Transformer	44-0017	1
8	Burner Housing	44-0033	1			Complete Burner (Includes 1-16)	4-0017	
9	Escutcheon Plate	44-0031	1					

BURNER ASSEMBLY (4-0017) (AFTER SERIAL #15008085)

For parts Call 888-279-9274



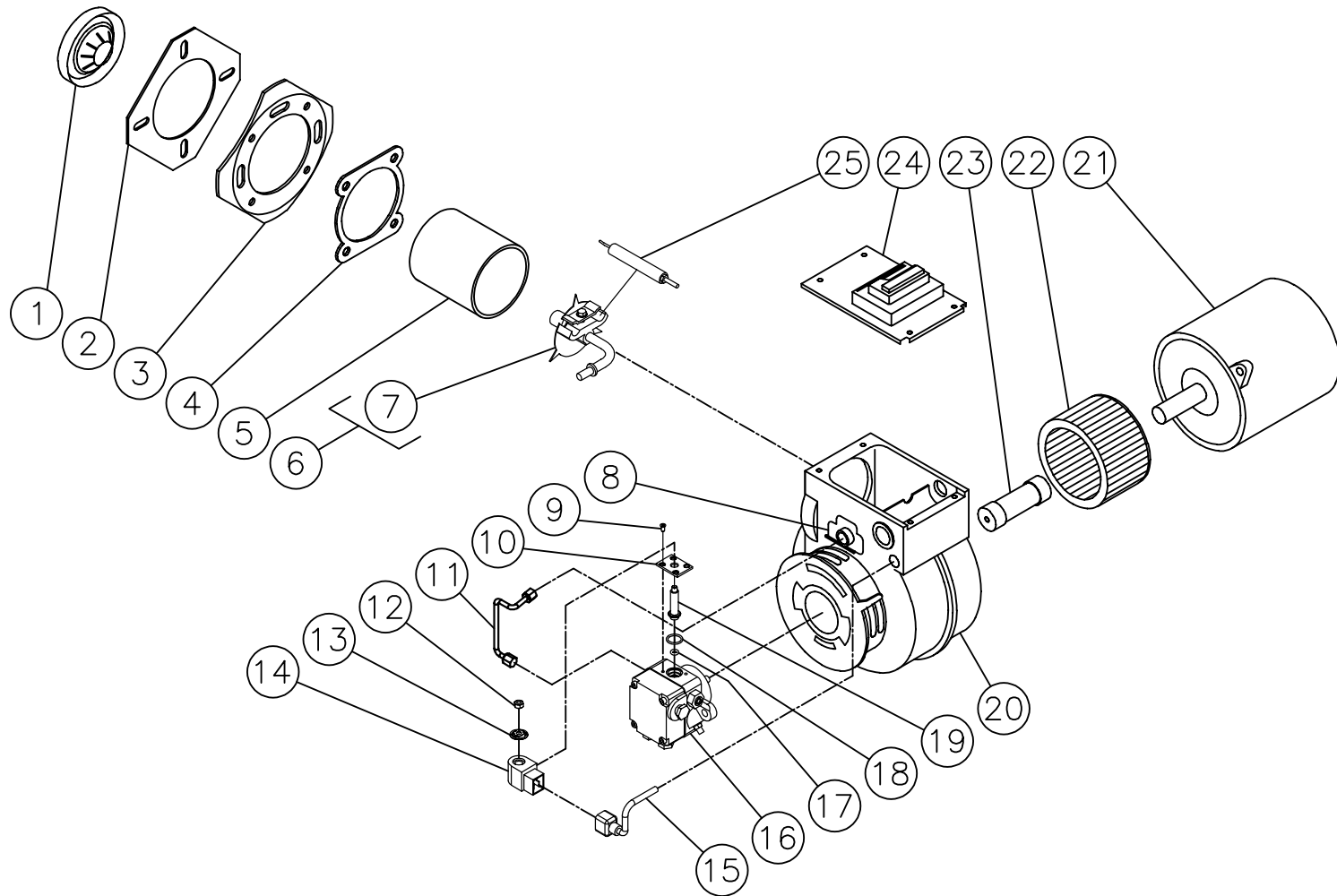
BURNER ASSEMBLY (4-0017) (AFTER SERIAL #15008085)

4-0017 _4-0018-011121 TJM							
BURNER ASSEMBLY (4-0017 AFTER SERIAL #15008085 & 4-0018 AFTER SERIAL #15008463)							
REF.	DESCRIPTION	PART #	QTY.		REF.	DESCRIPTION	PART # QTY.
1	BURNER HEAD	44-0011	1		16	FUEL PUMP	3-0236 1
2	MOUNTING GASKET	44-0108	1		17	O-RING (SEE 70-0746)	SEE KIT 1
3	FLANGE	44-0109	1		18	O-RING (SEE 70-0746)	SEE KIT 1
4	GASKET	26-0138	1		19	SOLENOID PISTON (SEE 70-0746)	SEE KIT 1
5	AIR TUBE	44-0110	1		20	BURNER HOUSING	44-0033 1
6	NOZZLE LINE ASSEMBLY	44-0113	1		21	MOTOR (4-0017)	2-0068 1
7	ELECTRODE KIT	44-0114	1		-	MOTOR (4-0018)	2-0067 1
8	ESCUTCHEON PLATE	44-0031	1		22	BLOWER WHEEL	44-0071 1
9	SCREW (SEE 70-0746)	SEE KIT	1		23	COUPLER	44-0014 1
10	BASE PLATE (SEE 70-0746)	46-1004	1		24	IGNITION TRANSFORMER (4-0017)	44-0017 1
11	FUEL LINE	44-0026	1		-	IGNITION TRANSFORMER (4-0018)	44-0015 1
12	PISTON NUT (SEE 70-0746)	46-1016	1		25	ELECTRODE	44-0114 2
13	SPRING WASHER (SEE 70-0746)	SEE KIT	1			COMPLETE BURNER (INCLUDES 1-25)	4-0017
14	FUEL SOLENOID	46-1020	1			COMPLETE BURNER (INCLUDES 1-25)	4-0018
15	CORD SET	44-0122	1				

REPLACEMENT KITS		
KIT #	DESCRIPTION	ITEMS
70-0746	SOLENOID TUBE KIT	9, 10, 12, 13, 17-19

BURNER ASSEMBLY (4-0018) (AFTER SERIAL #15008463)

For parts Call 888-279-9274

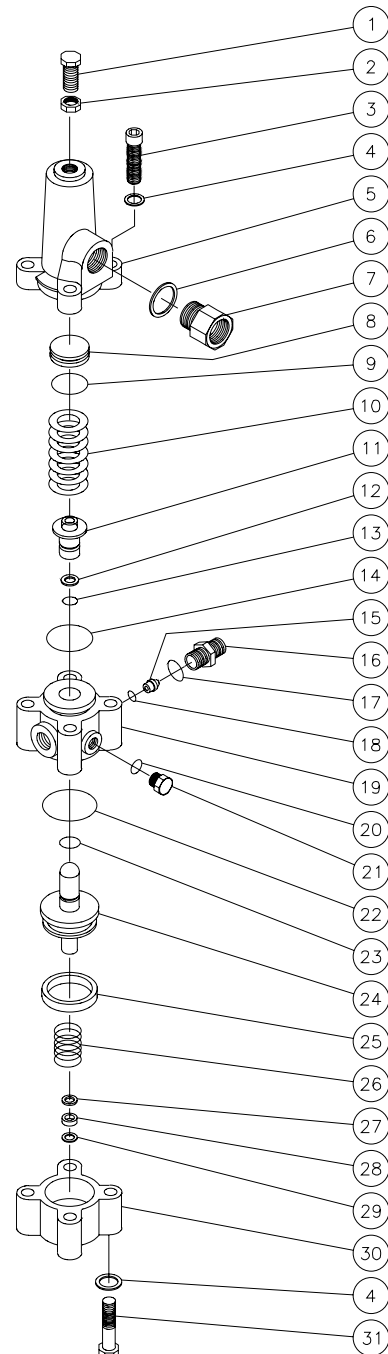


BURNER ASSEMBLY (4-0018) (AFTER SERIAL #15008463)

4-0017 _4-0018-011121 TJM							
BURNER ASSEMBLY (4-0017 AFTER SERIAL #15008085 & 4-0018 AFTER SERIAL #15008463)							
REF.	DESCRIPTION	PART #	QTY.		REF.	DESCRIPTION	PART # QTY.
1	BURNER HEAD	44-0011	1		16	FUEL PUMP	3-0236 1
2	MOUNTING GASKET	44-0108	1		17	O-RING (SEE 70-0746)	SEE KIT 1
3	FLANGE	44-0109	1		18	O-RING (SEE 70-0746)	SEE KIT 1
4	GASKET	26-0138	1		19	SOLENOID PISTON (SEE 70-0746)	SEE KIT 1
5	AIR TUBE	44-0110	1		20	BURNER HOUSING	44-0033 1
6	NOZZLE LINE ASSEMBLY	44-0113	1		21	MOTOR (4-0017)	2-0068 1
7	ELECTRODE KIT	44-0114	1		-	MOTOR (4-0018)	2-0067 1
8	ESCUTCHEON PLATE	44-0031	1		22	BLOWER WHEEL	44-0071 1
9	SCREW (SEE 70-0746)	SEE KIT	1		23	COUPLER	44-0014 1
10	BASE PLATE (SEE 70-0746)	46-1004	1		24	IGNITION TRANSFORMER (4-0017)	44-0017 1
11	FUEL LINE	44-0026	1		-	IGNITION TRANSFORMER (4-0018)	44-0015 1
12	PISTON NUT (SEE 70-0746)	46-1016	1		25	ELECTRODE	44-0114 2
13	SPRING WASHER (SEE 70-0746)	SEE KIT	1			COMPLETE BURNER (INCLUDES 1-25)	4-0017
14	FUEL SOLENOID	46-1020	1			COMPLETE BURNER (INCLUDES 1-25)	4-0018
15	CORD SET	44-0122	1				

REPLACEMENT KITS		
KIT #	DESCRIPTION	ITEMS
70-0746	SOLENOID TUBE KIT	9, 10, 12, 13, 17-19

UNLOADER ASSEMBLY (850-0304)

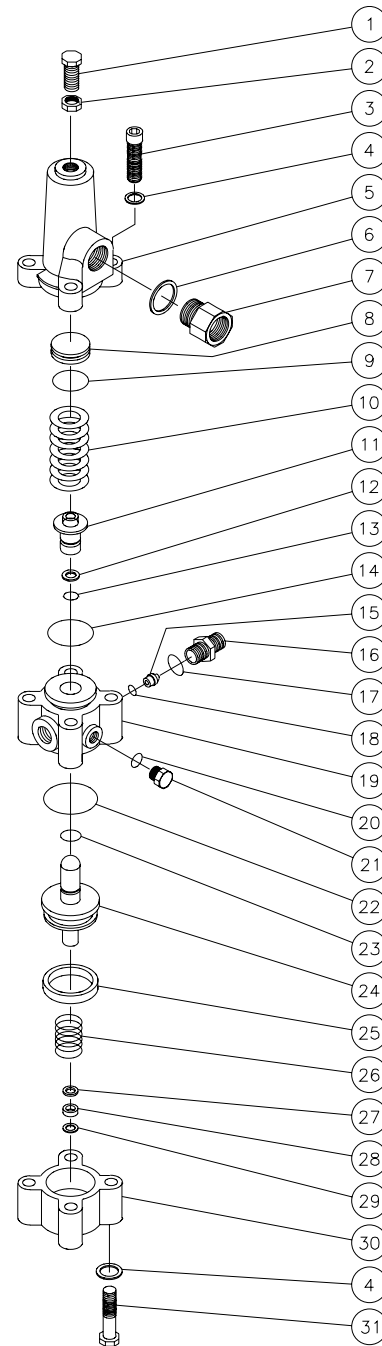


UNLOADER ASSEMBLY (850-0304)

OMGEN066-850-0304-081303-KZ

UNLOADER ASSEMBLY (850-0304)								
REF. #	DESCRIPTION	PART #	QTY.		REF. #	DESCRIPTION	PART #	QTY.
1	Bolt	27-8077	1		18	O-ring	25-0119	1
2	Hex Nut	30-3010	1		19	Middle Body	8-0137	1
3	Bolt	27-8434	4		20	O-ring	25-0114	2
4	Lockwasher	29-0154	8		21	Hex Plug	39-0017	2
5	Upper Body	8-0138	1		22	O-ring	25-0056	1
6	Washer	8-0277	1		23	O-ring	25-0120	1
7	By-Pass Restrictor	8-0124	1		24	Piston Assembly	8-0136	1
8	Spring Guide	8-0135	1		25	Seal	26-0104	1
9	O-ring	25-0118	1		26	Spring	49-0027	1
10	Spring	49-0026	1		27	Washer	8-0139	1
11	Valve Seat	8-0145	1		28	Seal	26-0105	1
12	Back-up Ring	8-0141	1		29	Back-up Ring	8-0140	1
13	O-ring	25-0121	1		30	Lower Body	8-0134	1
14	O-ring	25-0117	1		31	Bolt	27-8037	4
15	Flow Balancer (8-0012)	8-0126	1			Unloader Repair Kit (Inc. 9, 11, 13, 14, 17, 18, 20, 22-26, 28, 29)	70-0013	
-	Flow Balancer (8-0013)	8-0128	1			Unloader Orifice Kit (Inc. 1 each of 7, 15, 16)	852-0014	
-	Flow Balancer (8-0014, 850-0304)	8-0127	1			Unloader Orifice Kit (Inc. 1 each of 7, 15, 16)	852-0015	
16	Nipple(8-0014, 850-0304)	8-0131	1			Unloader Orifice Kit (Inc. 1 each of 7, 15, 16)	852-0017	
-	Nipple (8-0012, 8-0013)	8-0130	1			Unloader Orifice Kit (Inc. 1 each of 7, 15, 16)	852-0157	
17	O-ring	25-0052	1					

UNLOADER ASSEMBLY (850-0345)

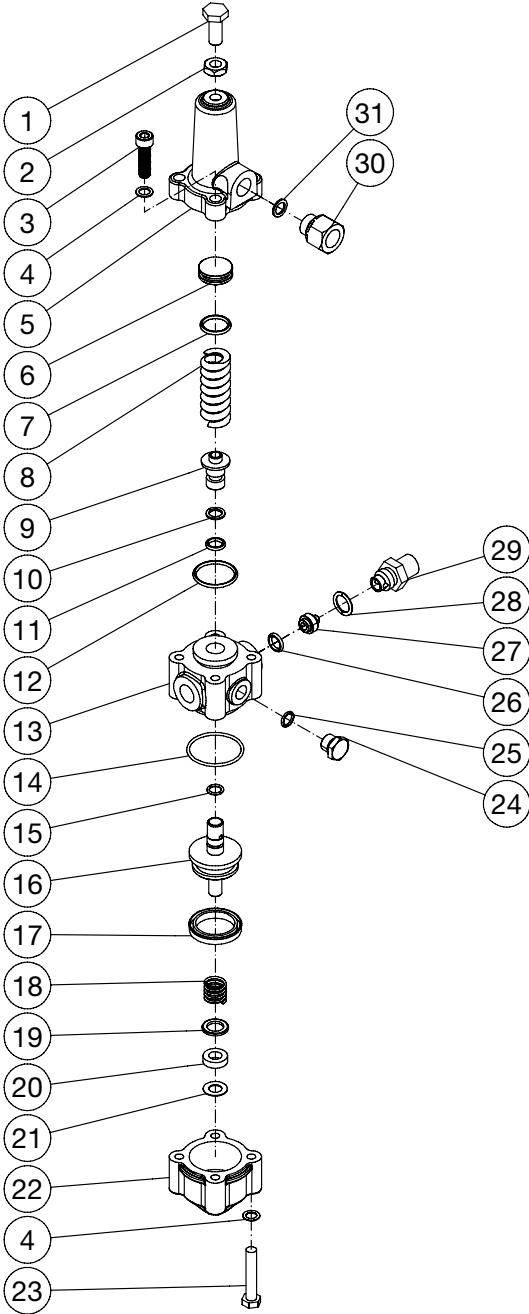


UNLOADER ASSEMBLY (850-0345)

OMGEN066-850-0345-081303-KZ

UNLOADER ASSEMBLY (850-0345)									
REF. #	DESCRIPTION	PART #	QTY.		REF. #	DESCRIPTION	PART #	QTY.	
1	Bolt	27-8077	1		18	O-ring	25-0119	1	
2	Hex Nut	30-3010	1		19	Middle Body	8-0137	1	
3	Bolt	27-8434	4		20	O-ring	25-0114	2	
4	Lockwasher	29-0154	8		21	Hex Plug	39-0017	2	
5	Upper Body	8-0138	1		22	O-ring	25-0056	1	
6	Washer	8-0277	1		23	O-ring	25-0120	1	
7	By-Pass Restrictor	8-0125	1		24	Piston Assembly	8-0136	1	
8	Spring Guide	8-0135	1		25	Seal	26-0104	1	
9	O-ring	25-0118	1		26	Spring	49-0027	1	
10	Spring	49-0026	1		27	Washer	8-0139	1	
11	Valve Seat	8-0145	1		28	Seal	26-0105	1	
12	Back-up Ring	8-0141	1		29	Back-up Ring	8-0140	1	
13	O-ring	25-0121	1		30	Lower Body	8-0134	1	
14	O-ring	25-0117	1		31	Bolt	27-8037	4	
15	Flow Balancer	8-0128	1			Unloader Repair Kit (Inc. 9, 11, 13, 14, 17, 18, 20, 22-26, 28, 29)		70-0013	
16	Nipple	8-0130	1			Unloader Orifice Kit (Inc. 7, 15, 16)		852-0116	
17	O-ring	25-0052	1						

UNLOADER (8-0013)



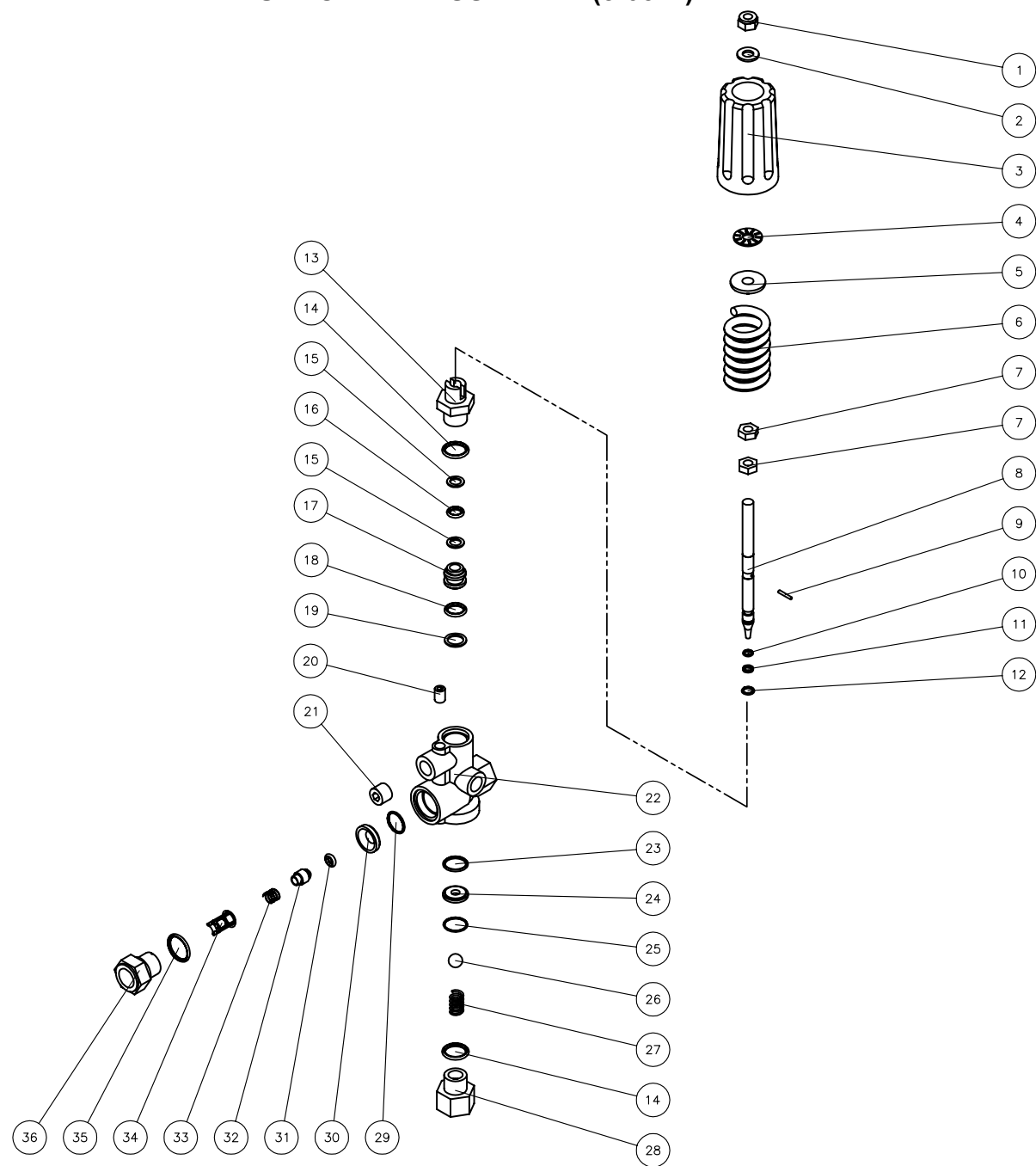
8-0012_13_14_44_850-0304 042125

UNLOADER (8-0013)

8-0012_13_14_44_850-0304 042125							
UNLOADER ASSEMBLY							
ITEM	TITLE	PART #	QTY		ITEM	TITLE	PART # QTY
-	UNLOADER ASSY	8-0012	1		18	SPRING (SEE KIT 70-0013)	49-0027 1
-	UNLOADER ASSY	8-0013	1		19	WASHER	8-0139 1
-	UNLOADER ASSY	8-0014	1		20	SEAL (SEE KIT 70-0013)	26-0105 1
-	UNLOADER ASSY	8-0044	1		21	RING (SEE KIT 70-0013)	8-0140 1
-	UNLOADER ASSY	850-0304	1		22	BODY/BOTTOM	8-0134 1
1	BOLT	27-8077	1		23	BOLT	27-8037 4
2	NUT	30-3010	1		24	PLUG	39-0017 2
3	BOLT	27-8434	4		25	O-RING (SEE KIT 70-0013)	25-0114 2
4	LOCKWASHER	29-0154	8		26	O-RING (SEE KIT 70-0013)	25-0119 1
5	BODY/UPPER	8-0138	1		27	ORIFICE (SEE KIT 852-0014)	8-0126 1
6	SPRING GUIDE	8-0135	1		-	ORIFICE (SEE KIT 852-0015)	8-0128 1
7	O-RING (SEE KIT 70-0013)	25-0118	1		-	ORIFICE (SEE KIT 852-0017)	8-0129 1
8	SPING	49-0026	1		-	ORIFICE (SEE KIT 852-0015 OR 852-0157)	8-0127 1
9	VALVE (SEE KIT 70-0013)	8-0145	1		28	O-RING (SEE KIT 70-0013)	25-0052 1
10	RING	8-0141	1		29	NIPPLE (SEE KIT 852-0014 OR 852-0015)	8-0130 1
11	O-RING (SEE KIT 70-0013)	25-0121	1		-	NIPPLE (SEE KIT 852-0015 OR 852-0157)	8-0132 1
12	O-RING (SEE KIT 70-0013)	25-0117	1		-	NIPPLE (SEE KIT 852-0017)	8-0131 1
13	BODY/MIDDLE	8-0137	1		30	BYPASS RESTRICTOR (SEE KIT 852-0014)	8-0125 1
14	O-RING (SEE KIT 70-0013)	25-0056	1		-	BYPASS RESTRICTOR (SEE KIT 852-0015 OR 852-0157)	8-0124 1
15	O-RING (SEE KIT 70-0013)	25-0120	1		-	BYPASS RESTRICTOR (SEE KIT 852-0015)	8-0123 1
16	PISTON ASSEMBLY (SEE KIT 70-0013)	8-0136	1		-	BYPASS RESTRICTOR (SEE KIT 852-0017)	8-0122 1
17	SEAL (SEE KIT 70-0013)	26-0104	1		31	WASHER	28-0079 1

REPLACEMENT KITS			
KIT #	DESCRIPTION	ITEMS	# OF ASSEMBLIES
70-0013	UNLOADER KIT	7, 9, 11, 12, 14-18, 20, 21, 25, 26, 28	1
852-0014 (8-0012)	UNLOADER ORFICE KIT	27, 29, 30	1
852-0015 (8-0013), (8-0014)	UNLOADER ORFICE KIT	27, 29, 30	1
852-0017 (8-0044)	UNLOADER ORFICE KIT	27, 29, 30	1
852-0157 (850-0304)	UNLOADER ORFICE KIT	27, 29, 30	1

UNLOADER ASSEMBLY (8-0511)

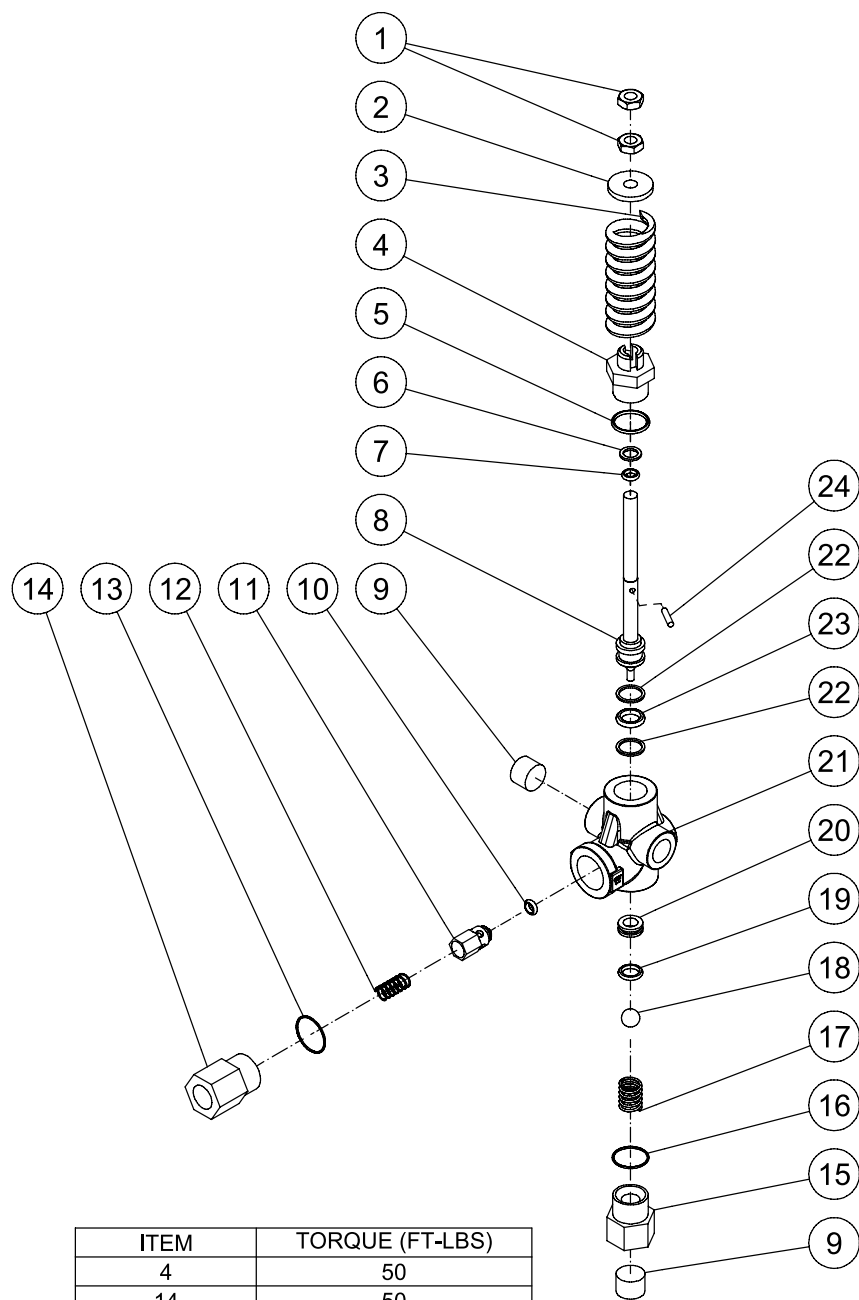


8-0511-021210-RSW

UNLOADER ASSEMBLY (8-0511)

8-0511-021210-RSW							
UNLOADER ASSEMBLY (8-0511)							
REF. #	DESCRIPTION	PART #	QTY.		REF. #	DESCRIPTION	PART # QTY.
1	Locknut	N/A	1		21	Stop Nut	N/A 1
2	Washer	N/A	1		22	Housing	N/A 1
3	Hand Wheel	N/A	1		23	O-ring (See 70-0333)	N/A Sep. 1
4	Needle Bearing	N/A	1		24	Valve Seat (See 70-0333)	N/A Sep. 1
5	Pressure Piece	8-0012	1		25	Circlip for Bores (See 70-0333)	N/A Sep. 1
6	Spring	N/A	1		26	Stainless Steel Ball (See 70-0333)	N/A Sep. 1
7	Nut	N/A	2		27	Spring (See 70-0333)	N/A Sep. 1
8	Piston Rod	N/A	1		28	Inlet Fitting	8-0513 1
9	Pin	N/A	1		29	O-ring	25-0042 1
10	O-ring (See 70-0335)	N/A Sep.	1		30	Stainless Steel Seat (See 70-0334)	N/A Sep. 1
11	Back-up Ring (See 70-0335)	N/A Sep.	1		31	O-ring	25-0036 1
12	Circlip for Shafts (See 70-0335)	N/A Sep.	1		32	Valve Part	8-0105 1
13	Guiding Screw	N/A	1		33	Spring	49-0023 1
14	O-ring (See 70-0335)	N/A Sep.	2		34	Valve Housing	8-0104 1
15	Back-up Ring (See 70-0335)	N/A Sep.	2		35	O-ring (See 70-0334)	N/A Sep. 1
16	O-ring (See 70-0335)	N/A Sep.	1		36	Outlet Fitting	8-0514 1
17	Piston (See 70-0335)	N/A Sep.	1			Inlet Valve Kit (Inc. 23-27)	70-0333
18	O-ring (See 70-0335)	N/A Sep.	1			Outlet Valve Kit (Inc. 29-35)	70-0334
19	Back-up Ring (See 70-0335)	N/A Sep.	1			Piston Kit (Inc. 10-12, 14-19)	70-0335
20	Stop Nut	N/A	1				

UNLOADER ASSEMBLY (8-0634)



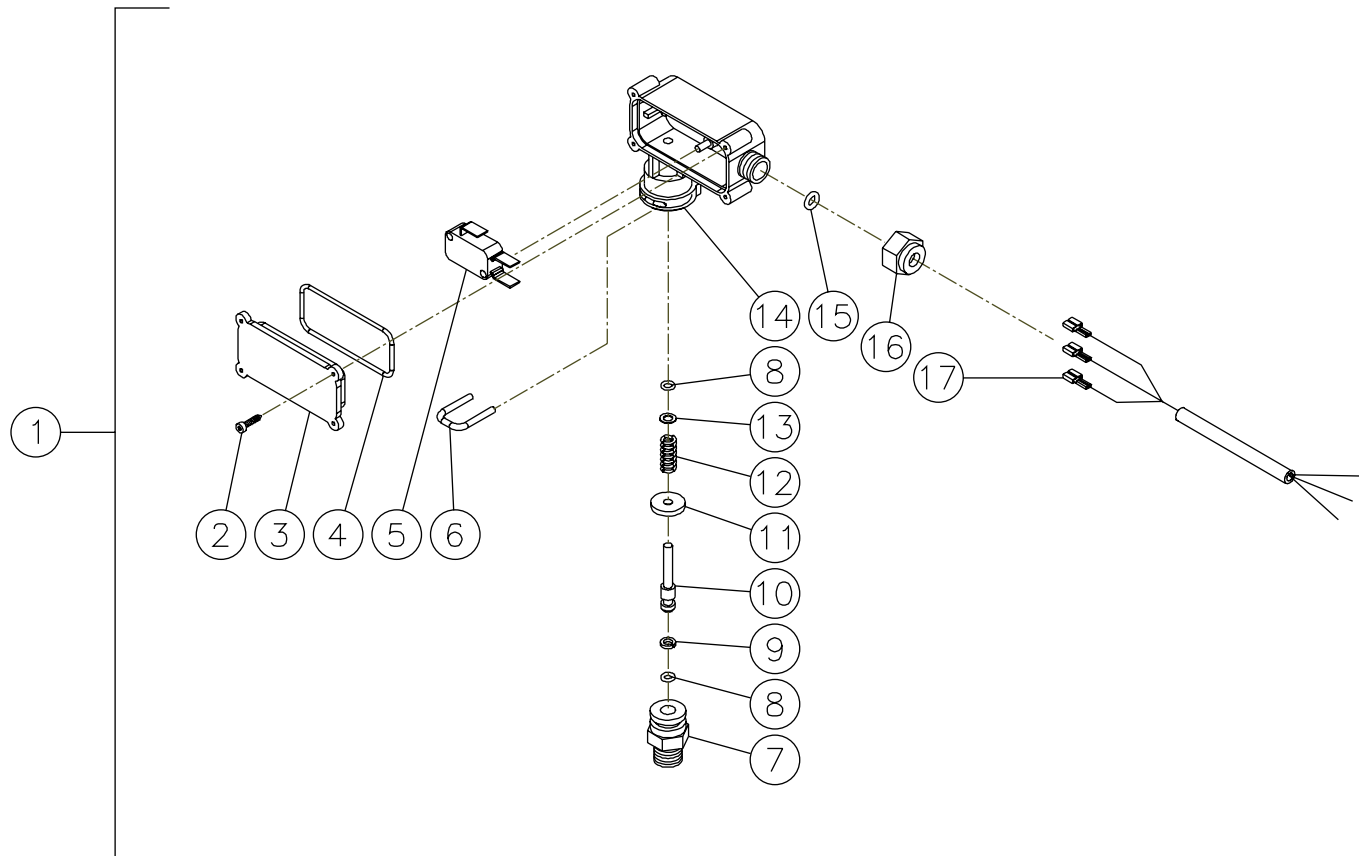
ITEM	TORQUE (FT-LBS)
4	50
14	50
15	50

UNLOADER ASSEMBLY (8-0634)

8-0634 052213 JDK			
UNLOADER ASSEMBLY			
ITEM	DESCRIPTION	PART #	QTY
1	NUT	8-0293	2
2	SPRING SPACER	46-1527	1
3	SPRING	49-0171	1
4	FITTING	46-1529	1
5	O-RING (SEE KIT 70-0625)	SEE KIT	1
6	O-RING (SEE KIT 70-0625)	SEE KIT	1
7	O-RING (SEE KIT 70-0625)	SEE KIT	1
8	STEM	46-1530	1
9	PLUG	23-0244	2
10	O-RING (SEE KIT 70-0624)	SEE KIT	1
11	POPPET (SEE KIT 70-0624)	SEE KIT	1
12	SPRING (SEE KIT 70-0624)	SEE KIT	1
13	O-RING	25-0672	1
14	OUTLET FITTING	46-1531	1
15	INLET FITTING (SEE KIT 70-0625)	SEE KIT	1
16	O-RING (SEE KIT 70-0625)	SEE KIT	1
17	SPRING	49-0172	1
18	BALL (SEE KIT 70-0625)	SEE KIT	1
19	O-RING (SEE KIT 70-0625)	SEE KIT	1
20	SEAT	46-1532	1
21	FORGING	46-1533	1
22	BACKUP RING (SEE KIT 70-0625)	SEE KIT	2
23	O-RING (SEE KIT 70-0625)	SEE KIT	1
24	PIN (SEE KIT 70-0625)	SEE KIT	1

REPLACEMENT KITS			
KIT #	DESCRIPTION	ITEMS	QTY
70-0624	KIT - CHECK VALVE	10-12	1, 1, 1
70-0625	KIT - UNLOADER REBUILD	5-7, 15-16, 18-19, 22-24	1, 1, 1, 1, 1, 1, 1, 2, 1, 1

PRESSURE SWITCH (22-0171 & 22-0243)

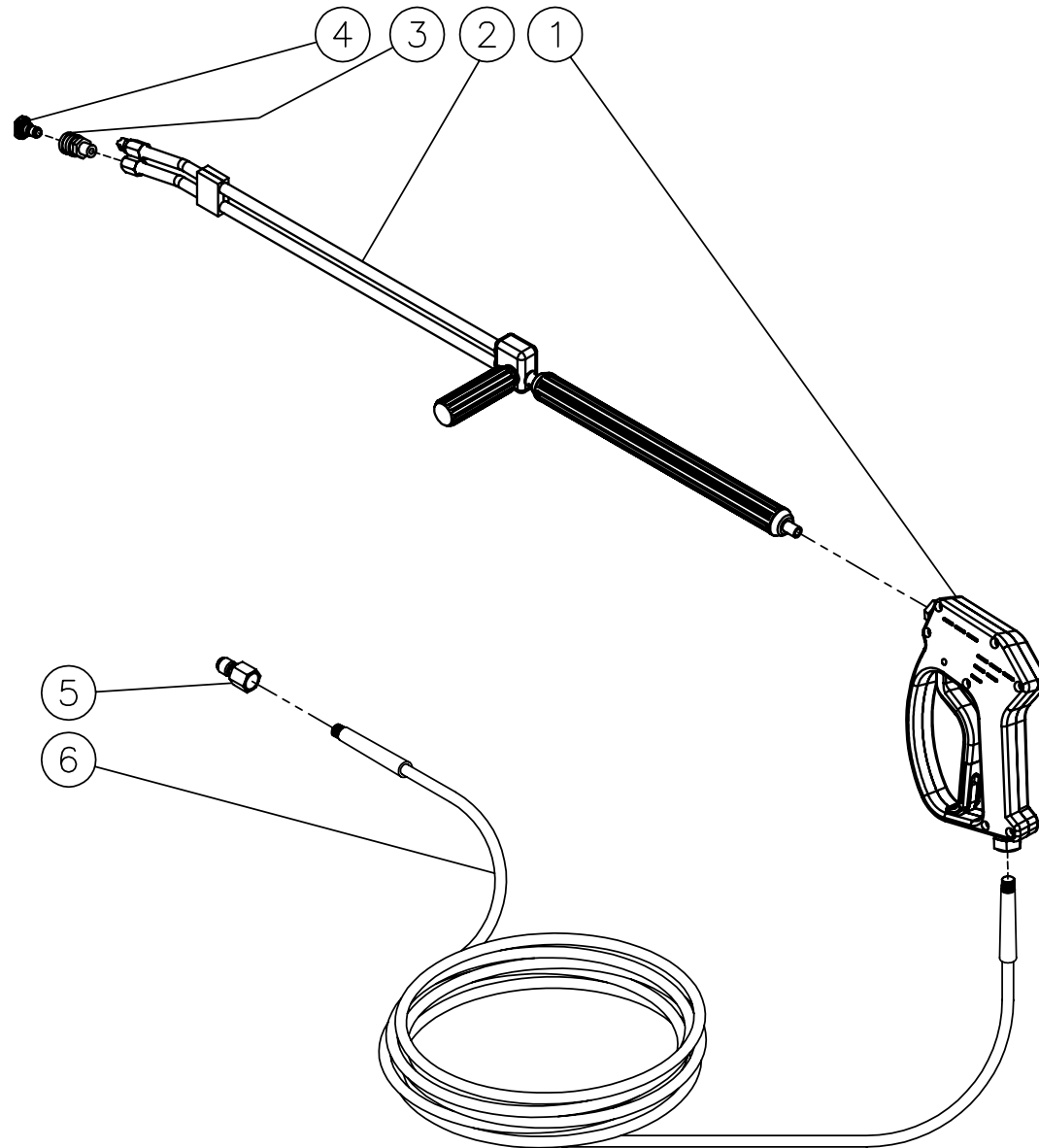


PRESSURE SWITCH (22-0171 & 22-0243)

22-0171 & 22-0243-120799-BAR

PRESSURE SWITCH								
REF. #	DESCRIPTION	PART #	QTY.		REF. #	DESCRIPTION	PART #	QTY.
1	Pressure Switch- 15 BAR	22-0171	1		11	Washer	N/A	1
-	Pressure Switch- 25 BAR	22-0243	1		12	Spring- 15 BAR	49-0144	1
2	Screw	N/A	4		-	Spring- 25 BAR	49-0145	1
3	Cover	N/A	1		13	Washer	N/A	1
4	O-ring (See 70-0306)	N/A Sep.	1		14	Plastic Housing	N/A	1
5	Micro Switch	N/A	1		15	O-ring (See 70-0306)	N/A Sep.	1
6	Retainer Clip	N/A	1		16	Nut- 15 BAR	N/A	1
7	Body	N/A	1		-	Nut- 25 BAR	N/A	1
8	O-ring (See 70-0306)	N/A Sep.	2		17	Wire Assembly	N/A	1
9	Back-up Ring (See 70-0306)	N/A Sep.	1			O-ring Repair Kit (Inc. 4, 8-9, 15)	70-0306	
10	Piston	N/A	1					

GUN/WAND/HOSE ASSEMBLY

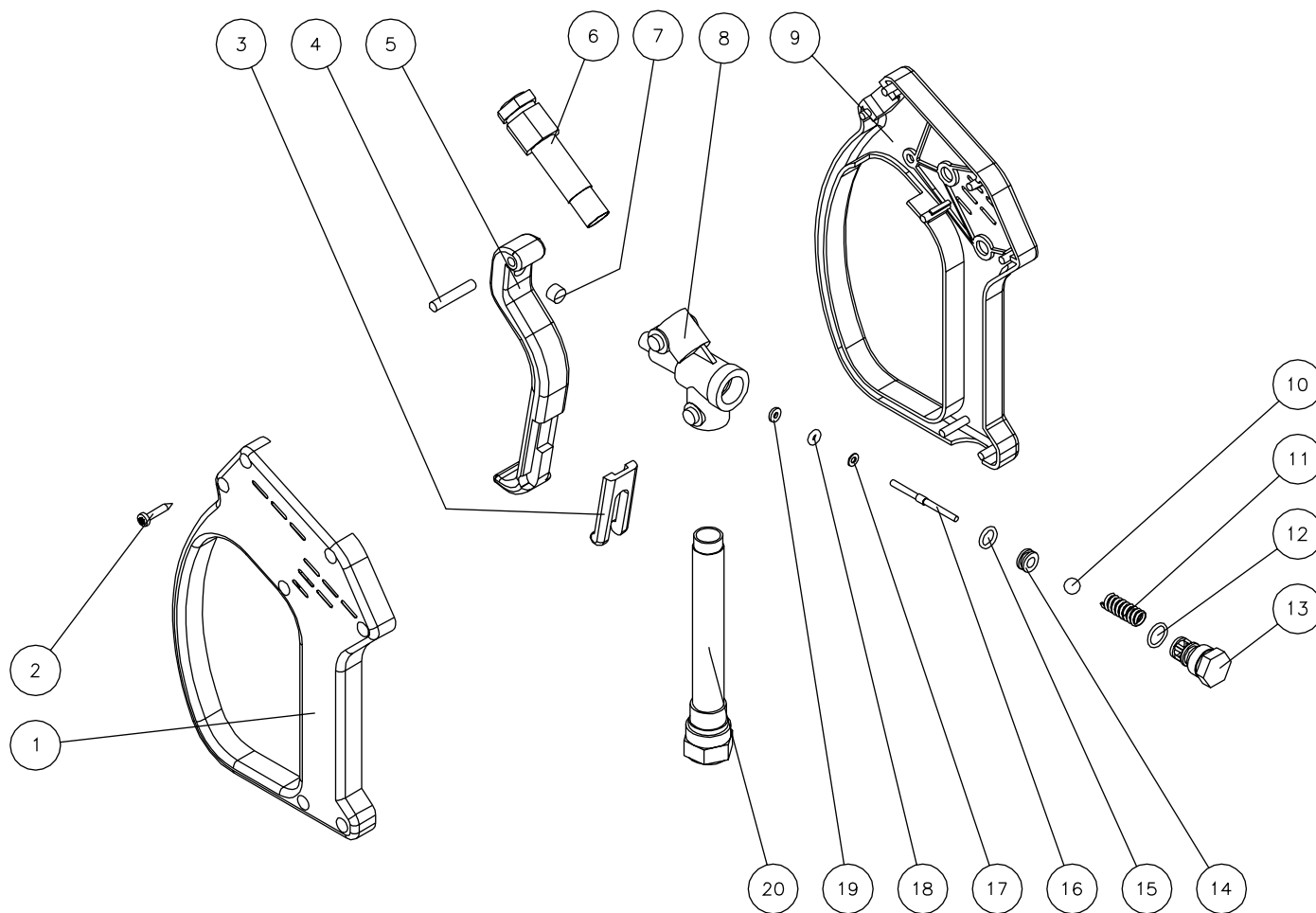


For parts Call 888-279-9274

GUN/WAND/HOSE ASSEMBLY

GUN WAND HOSE ASSY-110719-ATL							
GUN/WAND/HOSE ASSEMBLY							
REF. #	DESCRIPTION	PART #	QTY.		REF. #	DESCRIPTION	PART # QTY.
1	Trigger Gun	16-0446	1		-	Nozzle- 2504 (3504/4004)	18-0400 1
2	Lance	16-0417	1		-	Nozzle- 4004 (3504/4004)	18-0401 1
3	Quick Connect	17-0028	1		-	Nozzle- 0006.5 (3006)	18-0328 1
4	Nozzle- 0005 (3505)	18-0406	1		-	Nozzle- 1506.5 (3006)	18-0329 1
-	Nozzle- 1505 (3505)	18-0407	1		-	Nozzle- 2506.5 (3006)	18-0330 1
-	Nozzle- 2505 (3505)	18-0408	1		-	Nozzle- 4006.5 (3006)	18-0331 1
-	Nozzle- 4005 (3505)	18-0409	1		-	Nozzle- 0004.5 (4005)	18-0402 1
-	Nozzle- 0005.5 (3005)	18-0410	1		-	Nozzle- 1504.5 (4005)	18-0403 1
-	Nozzle- 1505.5 (3005)	18-0411	1		-	Nozzle- 2504.5 (4005)	18-0404 1
-	Nozzle- 2505.5 (3005)	18-0412	1		-	Nozzle- 4004.5 (4005)	18-0405 1
-	Nozzle- 4005.5 (3005)	18-0413	1			Nozzle- 1509 (3008)	18-0147 1
-	Nozzle- 0006 (3506)	18-0414	1			Nozzle- 0009 (3008)	18-0172 1
-	Nozzle- 1506 (3506)	18-0415	1			Nozzle- 2509 (3008)	18-0173 1
-	Nozzle- 2506 (3506)	18-0416	1			Nozzle- 4009 (3008)	18-0174 1
-	Nozzle- 4006 (3506)	18-0417	1		5	Quick Connect Plug	17-0006 1
-	Nozzle- 0004 (3504/4004)	18-0397	1		6	High Pressure Hose Assembly	15-0166 1
-	Nozzle- 1504 (3504/4004)	18-0399	1		-	High Pressure Hose Assembly (3008)	15-0056 1

GUN ASSEMBLY (16-0392)

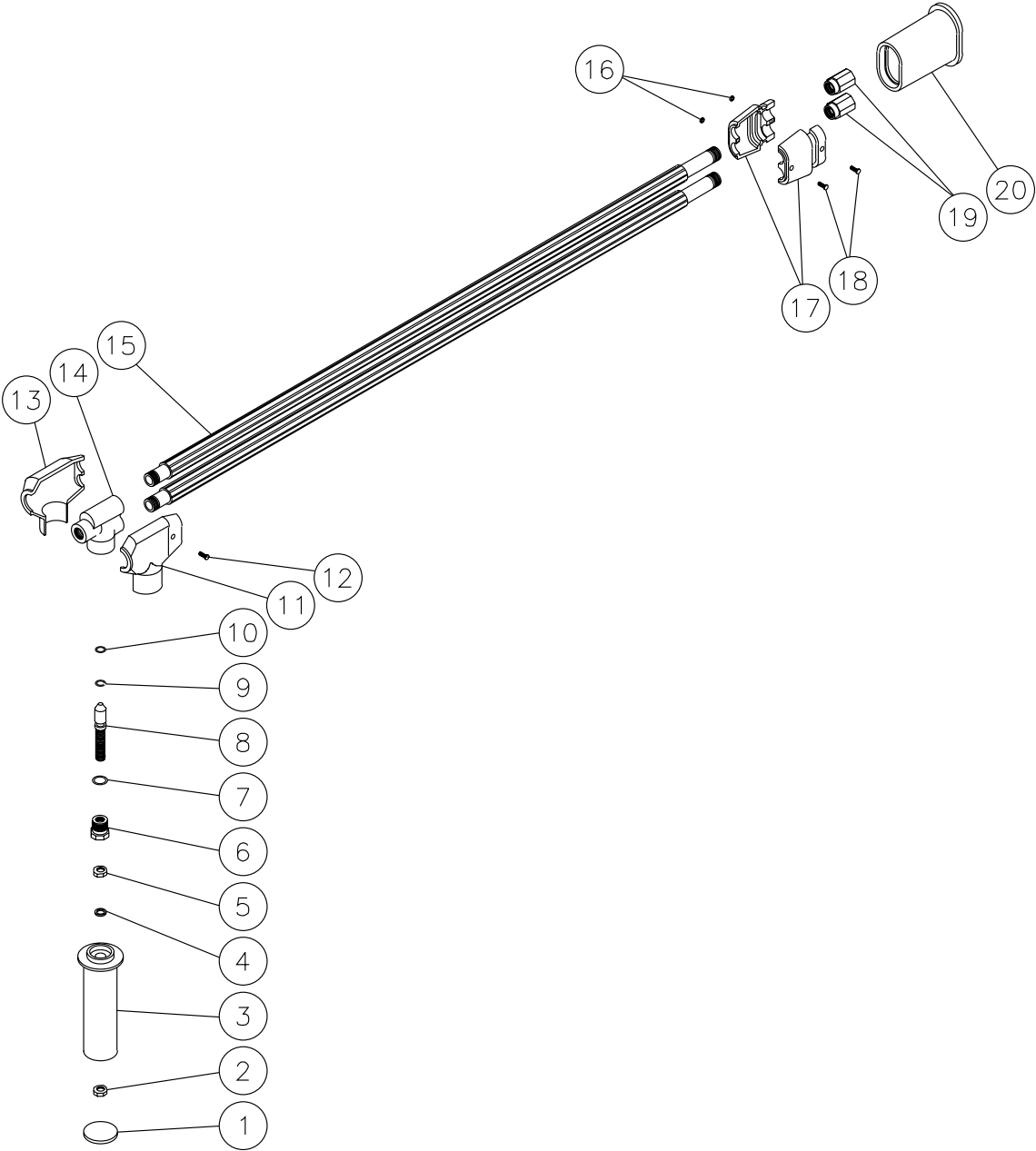


GUN ASSEMBLY (16-0392)

16-0392-030601-EDW

GUN ASSEMBLY (16-0392)								
REF. #	DESCRIPTION	PART #	QTY.		REF. #	DESCRIPTION	PART #	QTY.
1	Plastic Housing (Left)	N/A	1		12	O-ring (See 70-0332)	N/A Sep.	1
2	Screw	N/A	7		13	Spring Housing Plug	N/A	1
3	Safety Latch	N/A	1		14	Seat (See 70-0332)	N/A Sep.	1
4	Pin	N/A	1		15	O-ring (See 70-0332)	N/A Sep.	1
5	Trigger	16-0393	1		16	Piston (See 70-0332)	N/A Sep.	1
6	Tube	16-0395	1		17	Washer	N/A	1
7	Striker	16-0394	1		18	O-ring (See 70-0332)	N/A Sep.	1
8	Body	N/A	1		19	Back-up Ring (See 70-0332)	N/A Sep.	1
9	Plastic Housing (Right)	N/A	1		20	Tube	16-0396	1
10	Ball (See 70-0332)	N/A Sep.	1			Repair Kit (Inc. 10, 12, 14-16, 18, 19)	70-0332	1
11	Spring	N/A	1					

ANGLED DUAL LANCE ASSEMBLY (16-0390)



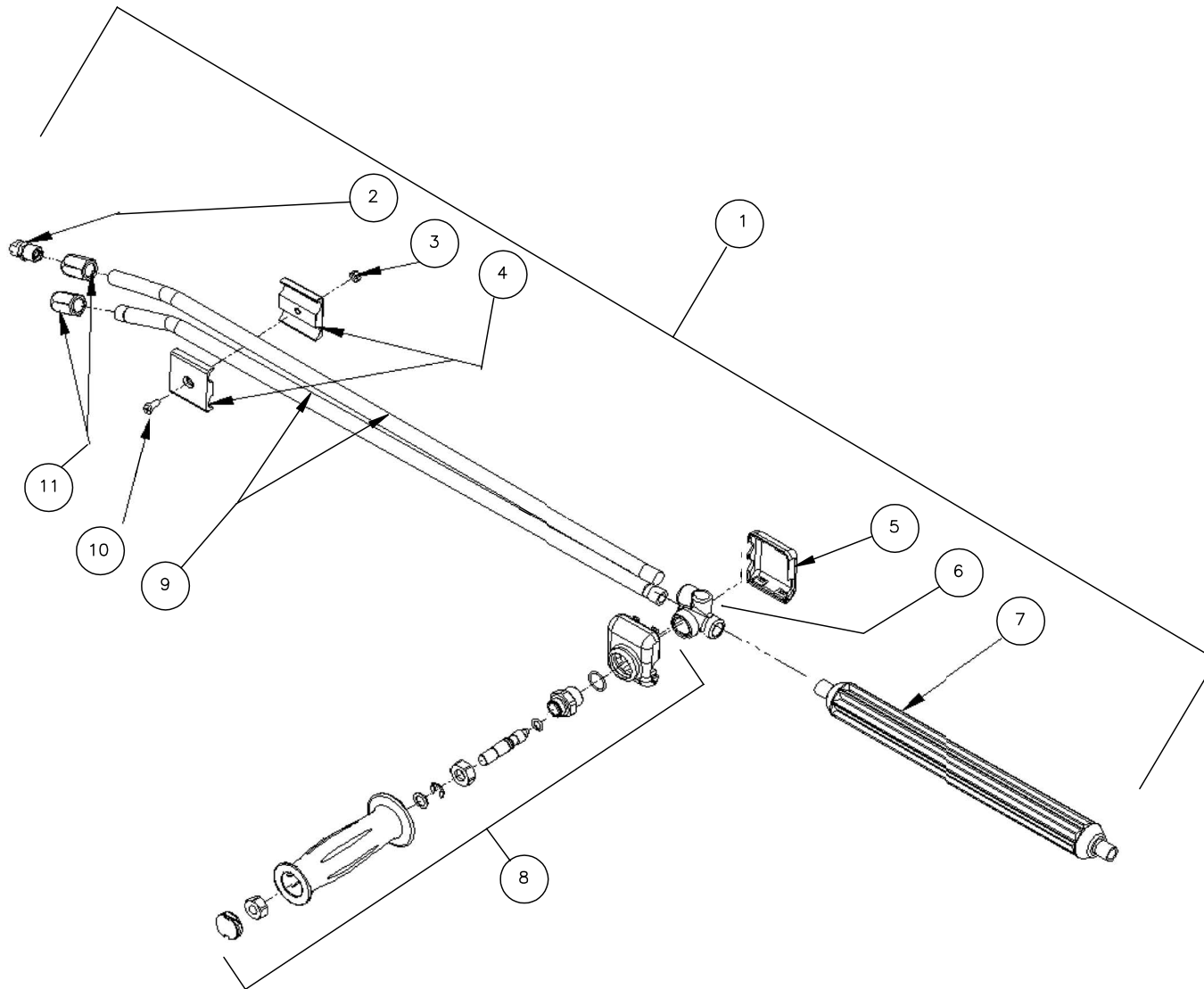
16-0390-041101-BAR

ANGLED DUAL LANCE ASSEMBLY (16-0390)

16-0390-041101-BAR

ANGLED DUAL LANCE ASSEMBLY (16-0390)								
REF. #	DESCRIPTION	PART #	QTY.		REF. #	DESCRIPTION	PART #	QTY.
1	Handle Plug	16-0312	1		12	Self Tapping Screw	27-8862	1
2	Hex Nut	30-3002	1		13	Lower Protector	16-0316	1
3	Handle	16-0313	1		14	Body	23-0272	1
4	Washer	28-1021	1		15	Angled Lance w/Protective Cover	N/A	2
5	Hex Nut	30-3010	1		16	Hex Nut	30-3060	2
6	Hex Adapter	23-0271	1		17	Pipe Clamp	16-0318	2
7	O-ring	25-0351	1		18	Screw	27-8861	2
8	Piston Stem	16-0314	1		19	Nipple	24-0127	2
9	Back-up Ring	25-0352	1		20	Nozzle Protector	16-0319	1
10	O-ring	25-0353	1			O-ring Kit (Inc. 7, 9, 10)	70-0143	
11	Upper Protector	16-0315	1					

DUAL LANCE ASSEMBLY (16-0417)

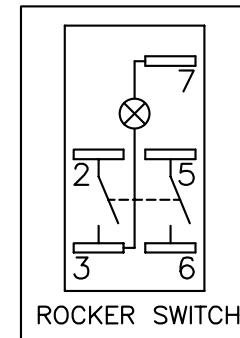
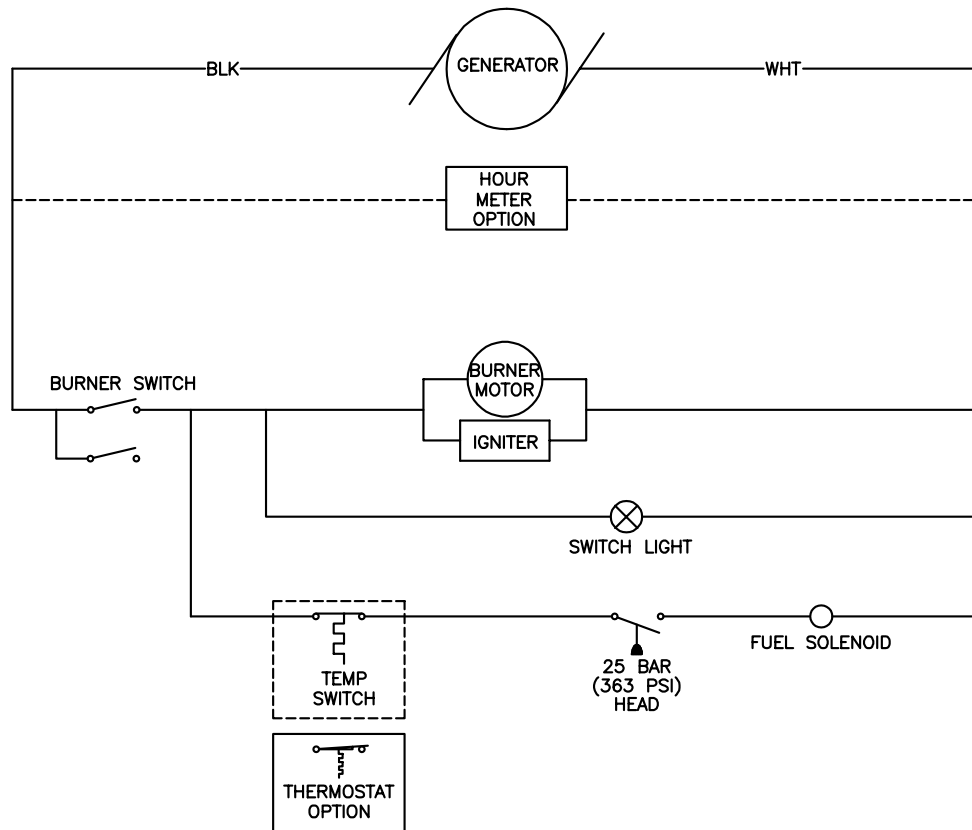


DUAL LANCE ASSEMBLY (16-0417)

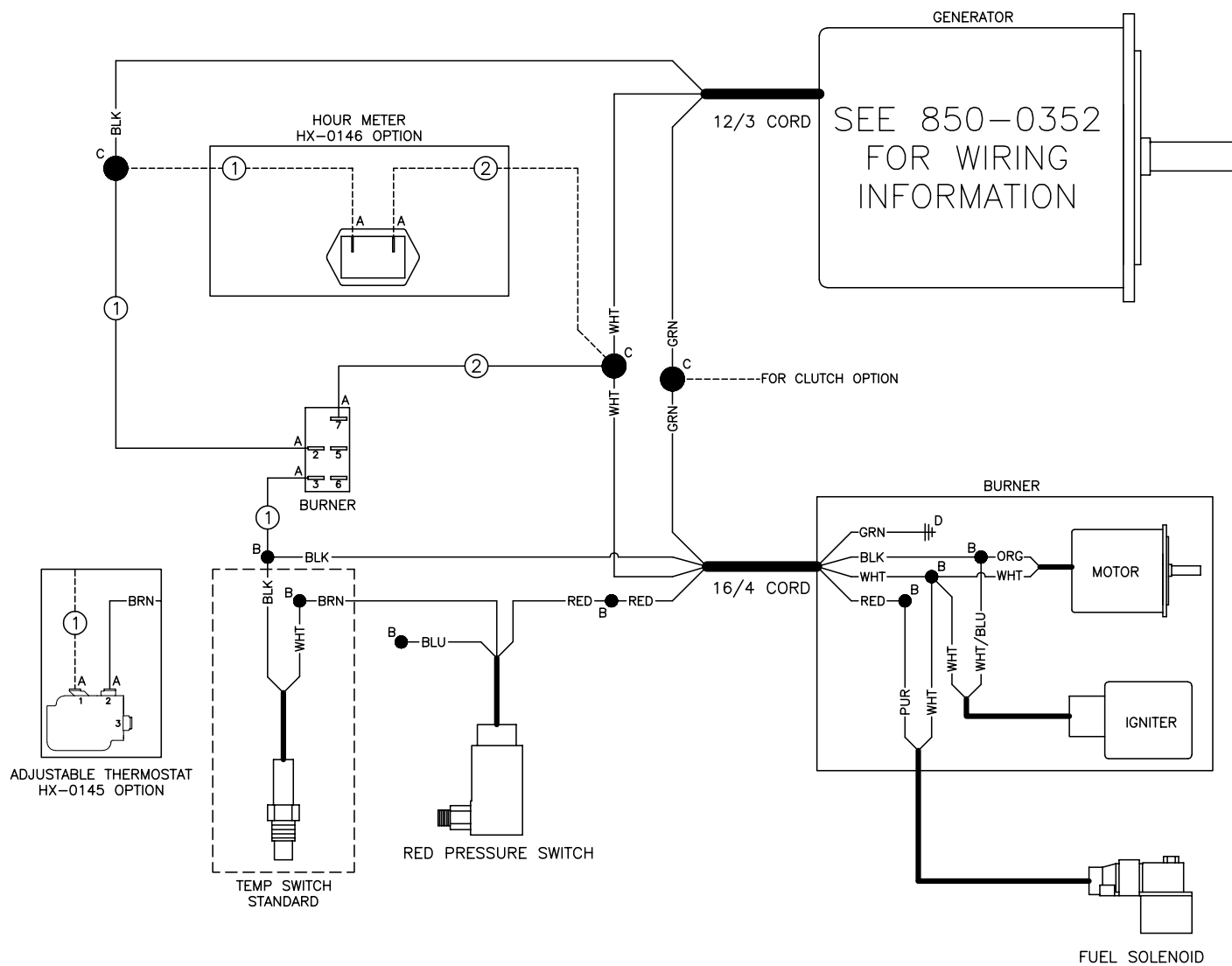
16-0417-102405-RZ

DUAL LANCE ASSEMBLY (16-0417)			
REF. #	DESCRIPTION	PART #	QTY.
1	Dual Lance Assembly - 48" (Inc. 2-11)	16-0417	1
2	Detergent Nozzle	18-0110	1
3	Nut	30-6001	1
4	Clamp	16-0420	2
5	Lower Valve Cover (See 16-0417)	N/A Sep.	1
6	Housing (See 16-0417)	N/A Sep.	1
7	Lance	16-0419	1
8	Handle Repair Kit	70-0419	1
9	Lance (See 16-0417)	N/A Sep.	2
10	Screw	27-8196	1
11	Nozzle Adapter	24-0280	2

WIRING SCHEMATIC



WIRING DIAGRAM

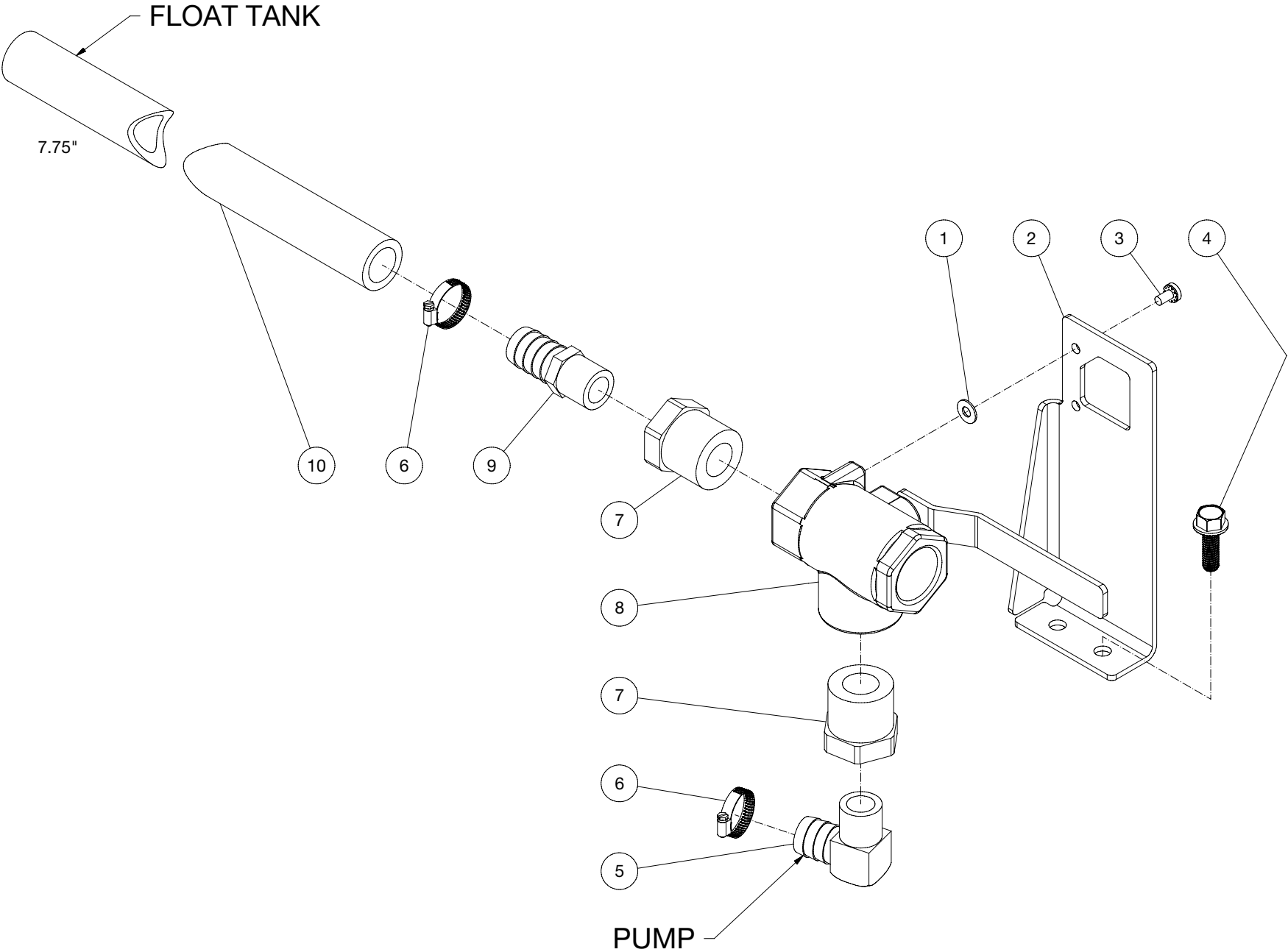


NOTES

OPTIONS

<u>OPTIONS</u>	<u>DESCRIPTION</u>
HX-0130	3 WAY BALL VALVE
HX-0131	DETERGENT VALVE
HX-0132	STEAM- 3504
HX-0133	STEAM- 3005/3505/3006/3506
HX-0137	STEAM- 3504 (Requires HX-0143 or HX-0148)
HX-0138	STEAM- 3005 (Requires HX-0143 or HX-0148)
HX-0139	STEAM- 3505 (Requires HX-0143 or HX-0148)
HX-0140	STEAM- 3506 (Requires HX-0143 or HX-0148)
HX-0141	STEAM- 3006 (Requires HX-0143 or HX-0148)
HX-0142	STEAM- 4004
HX-0143	PRESSURE TRAPPING UNLOADER (3006/3506)
HX-0144	DUAL GUN (3006/3506)
HX-0145	ADJUSTABLE THERMOSTAT
HX-0146	HOURLMETER
HX-0147	LIFTING HOOK
HX-0148	DETERGENT VALVE- PRESSURE TRAPPING UNLOADER (Requires HX-0143)
HX-0200	PRESSURE TRAPPING UNLOADER (3005, 3505, 4005)
HX-0201	PRESSURE TRAPPING UNLOADER (3504, 4004)
HX-0213	DUAL GUN (3008)
HX-0257	CLUTCH DRIVEN PUMP (3005)
HX-0258	CLUTCH DRIVEN PUMP (3505)
HX-0285	30 GALLON STEEL FUEL TANK

3-WAY BALL VALVE OPTION (HX-0130)



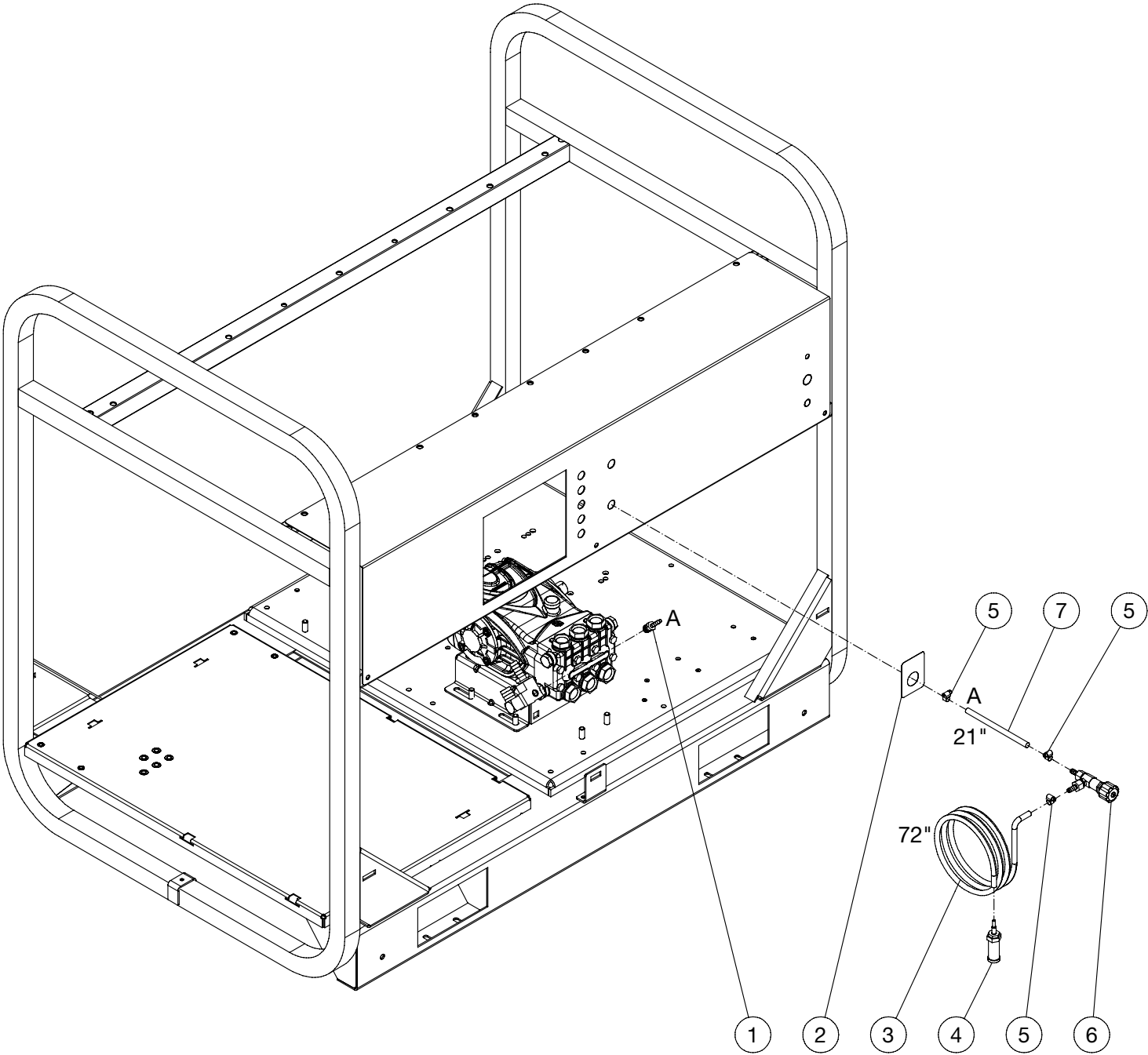
BALL VALVE ASSEMBLY 062325

3-WAY BALL VALVE OPTION (HX-0130)

BALL VALVE ASSEMBLY 062325			
BALL VALVE ASSEMBLY			
ITEM	TITLE	PART #	QTY
1	WASHER	28-0001	2
2	BRACKET	20-0560A18	1
3	SCREW	27-9533	2
4	BOLT	27-1201	2
5	ELBOW	23-0037	1
6	HOSE CLAMP	42-0003	2
7	REDUCER	23-0226	2
8	BALL VALVE	22-0321	1
9	HOSE BARB	23-0036	1
10	HOSE *(ONE FOOT REQUIRED)	15-0033	1
*MUST ORDER IN ONE FOOT LENGTHS			

DETERGENT VALVE OPTION (HX-0131) (3005/3008/3006/3504/3505/3506)

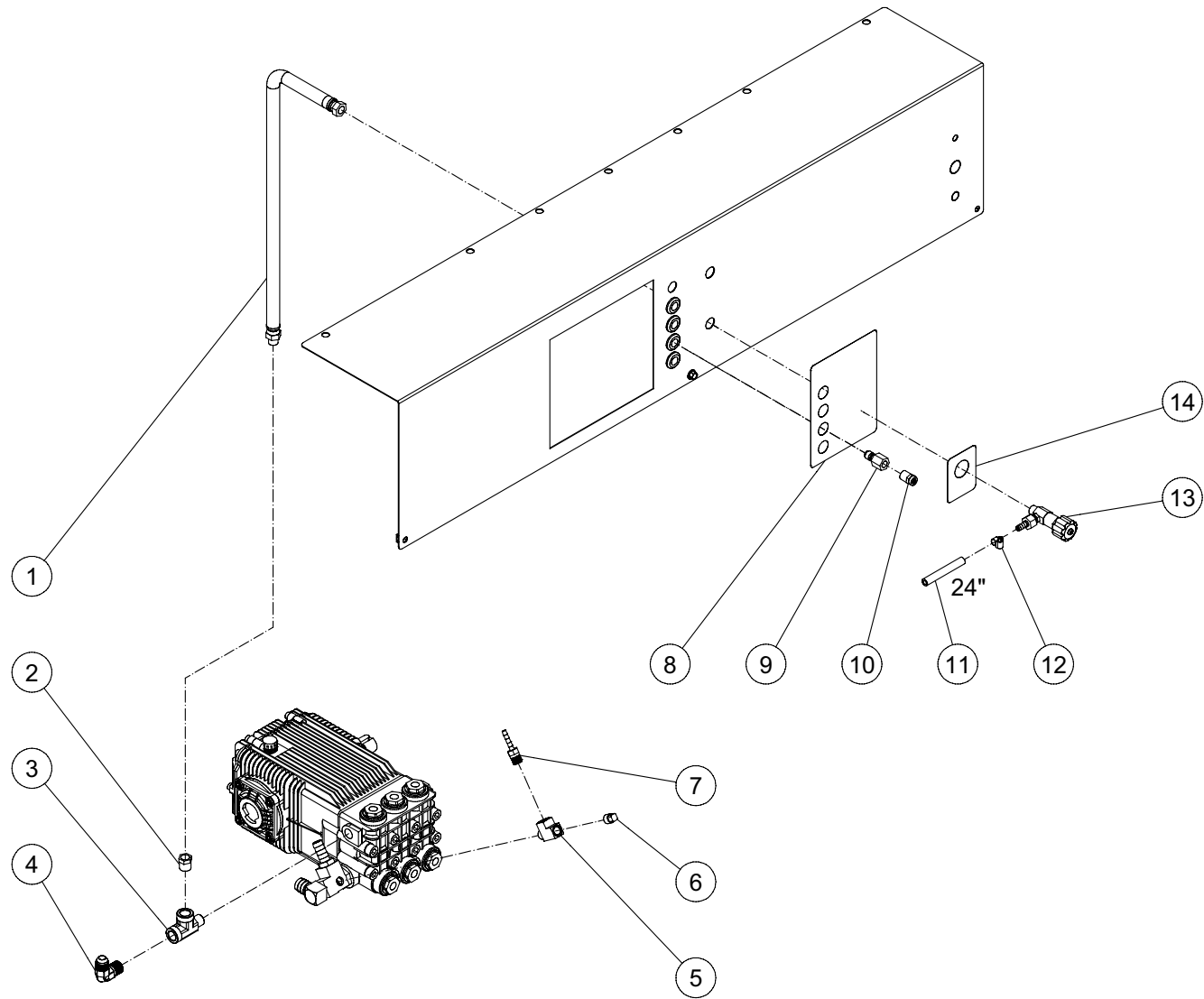
HS 3005 3006 3504 3505 3506 DETERGENT VALVE OPTION 042023 JRC



DETERGENT VALVE OPTION (HX-0131) (3005/3008/3006/3504/3505/3506)

HS 3005 3006 3504 3505 3506 DETERGENT VALVE OPTION 042023 JRC			
DETERGENT VALVE			
ITEM	TITLE	PART #	QTY
1	BARB	23-0051	1
2	DECAL - DETERGENT VALVE (SEE 71-0036)	34-1297	1
3	CHEMICAL HOSE *(SIX FEET REQUIRED)	15-0021	1
4	STRAINER	19-0056	1
5	CLAMP WORM	42-0004	3
6	DETERGENT VALVE	22-0226	1
7	HOSE *(TWO FEET REQUIRED)	15-0079	1
*MUST ORDER IN ONE FOOT LENGTHS			

STEAM OPTION (HX-0132, HX-0133)

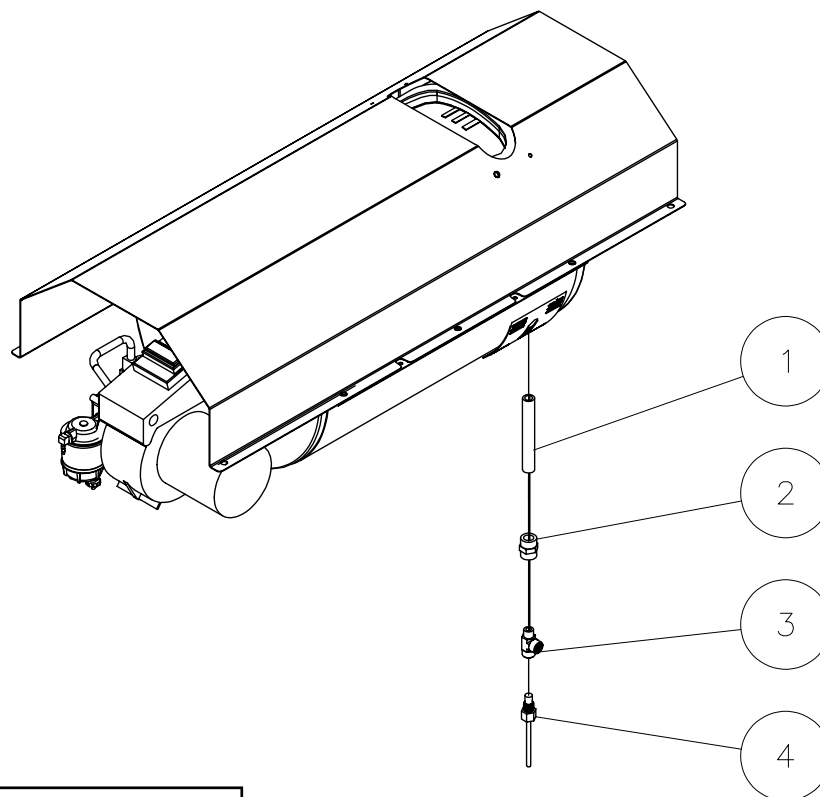


For parts Call 888-279-9274
STEAM OPTION (HX-0132, HX-0133)

HS K7 STEAM OPTION HX-0133 080222 CAN			
STEAM OPTION			
ITEM	TITLE	PART #	QTY
1	HIGH PRESSURE HOSE	15-0225	1
2	REDUCER	23-0017	1
3	STREET TEE	23-0058	2
4	3/8" ELBOW	24-0092	1
5	TEE	23-0127	1
6	PLUG	23-0238	1
7	BARB	23-0051	1
8	DECAL - CAUTION/WARNING/DANGER (SEE 71-0036)	34-1354	1
9	QUICK CONNECT	17-0017	1
10	NOZZLE	18-0020	1
11	FUEL HOSE *(TWO FEET REQUIRED)	15-0008	1
12	CLAMP WORM	42-0004	1
13	STEAM VALVE	22-0329	1
14	DECAL - STEAM VALVE (SEE 71-0036)	N/A	1
*MUST ORDER IN ONE FOOT LENGTHS			

STEAM OPTION (HX-0137, HX-0138, HX-0139, HX-0140, HX-0141 AND HX-0142)

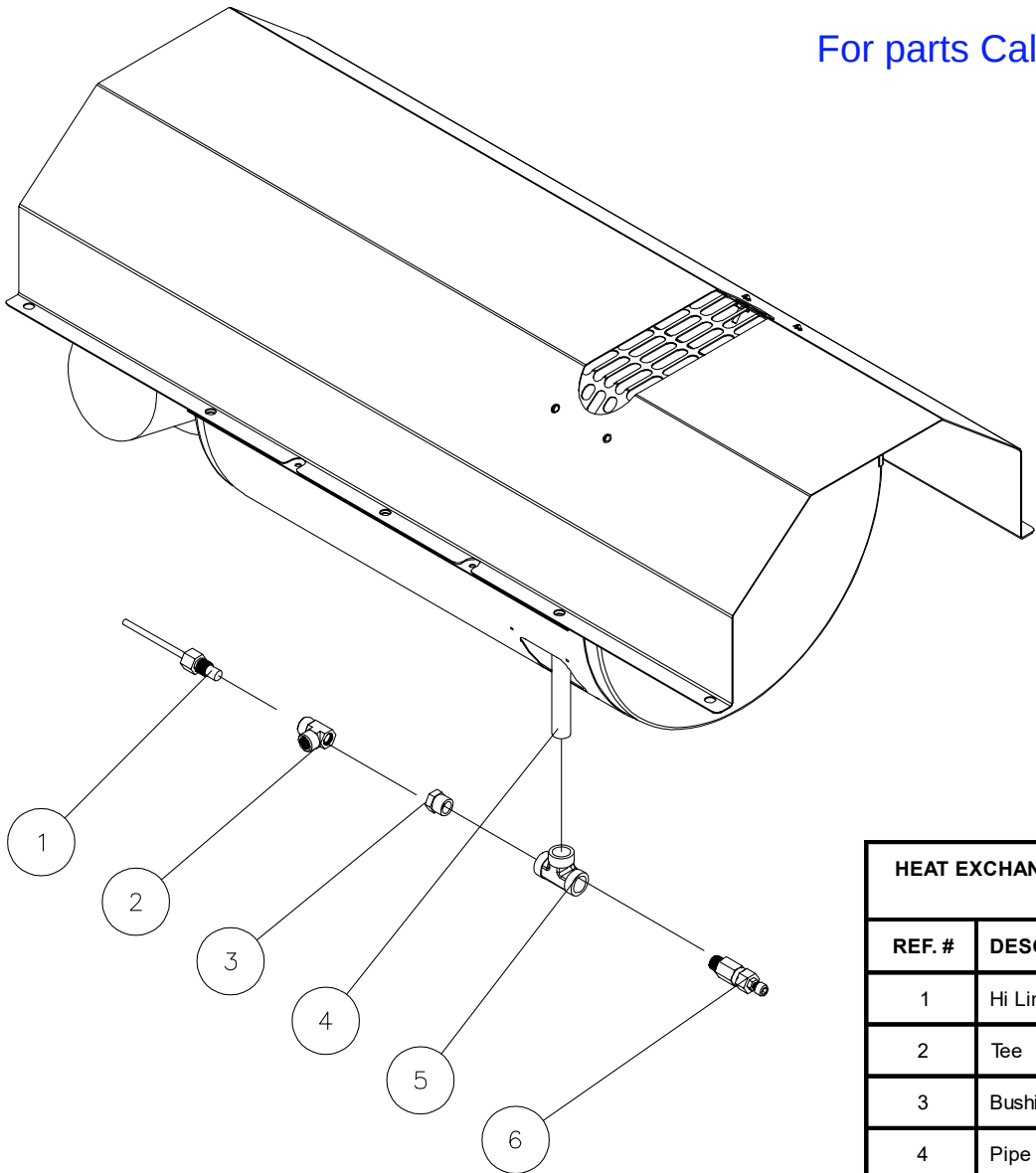
For parts Call 888-279-9274



HS_HVS STEAM OPTION-110120-RSW			
STEAM OPTION (HX-0137 - HX-0142)			
REF. #	DESCRIPTION	PART #	QTY.
1	Pipe Nipple	24-0254	1
2	Adapter	24-0243	1
3	Street Tee	23-0058	1
4	Hi Limit Switch	32-0798	1
-	QC 1/4F x 1/4 Plug SS	17-0017	1
-	Nozzle- 2503.5 (HX-0137)	18-0395	1
-	Nozzle- 2504.5 (HX-0138/0141)	18-0026	1
-	Nozzle- 2504 (HX-0139/0140)	18-0019	1
-	Nozzle- 2503.5 (HX-0142)	18-0255	1

HEAT EXCHANGER PLUMBING: STEAM OPTION (HX-0132, HX-0133) (AFTER SERIAL #15013076)

For parts Call 888-279-9274



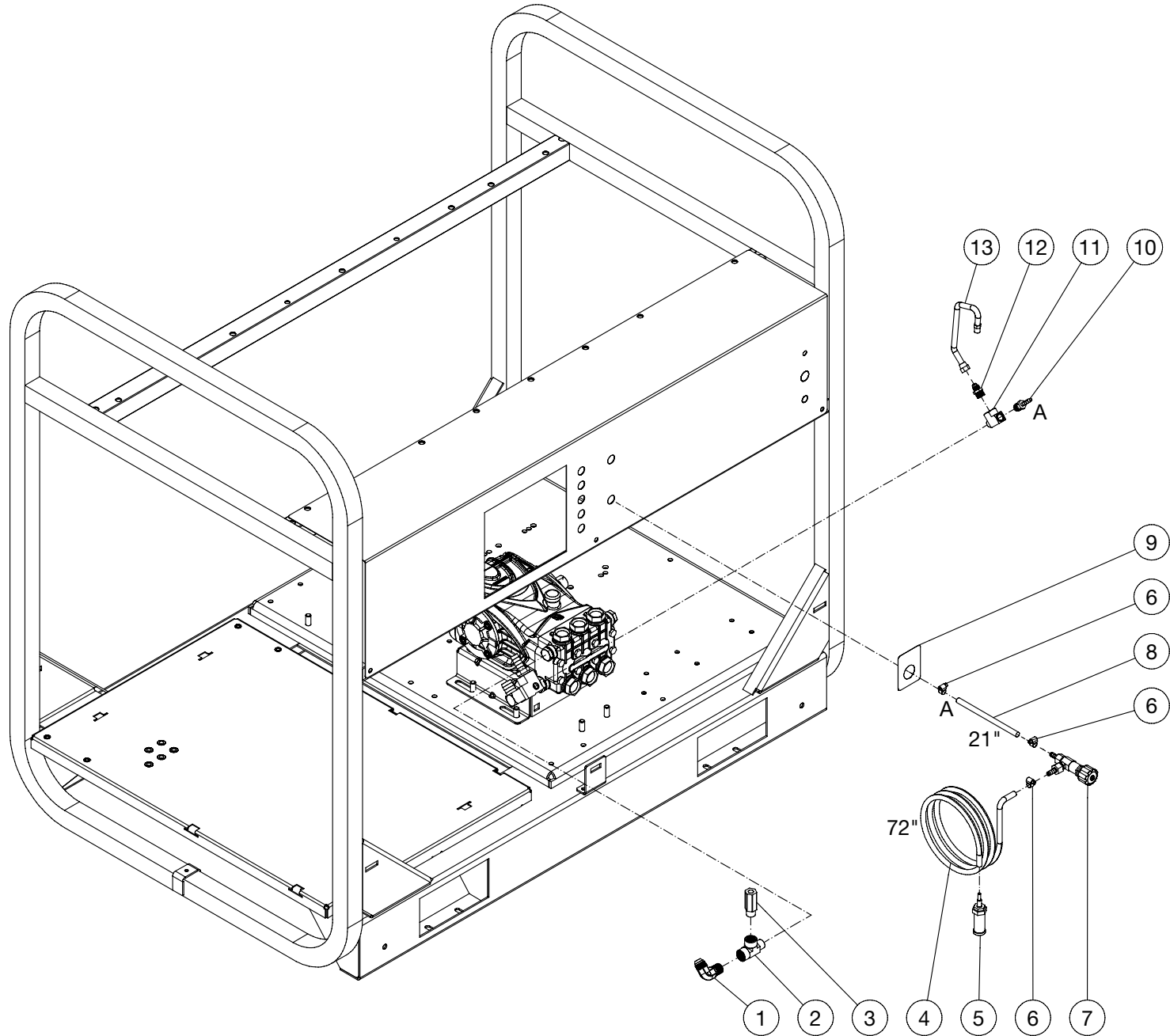
HS HEAT EXCHANGER PLUMBING K7 STEAM OPTION-030304-KZ

HEAT EXCHANGER PLUMBING: STEAM OPTION (HX-0132, HX-0133, HX-0135 AND HX-0136) (AFTER SERIAL #15013076)			
REF. #	DESCRIPTION	PART #	QTY.
1	Hi Limit Switch	32-0798	1
2	Tee	23-0058	1
3	Bushing	23-0016	1
4	Pipe Nipple	24-0254	1
5	Tee	24-0055	1
6	Safety Relief Valve	22-0309	1

HS HEAT EXCHANGER PLUMBING K7 STEAM OPTION-030304-KZ

For parts Call 888-279-9274

DETERGENT VALVE: PRESSURE TRAPPING DETERGENT VALVE OPTION (HX-0143, HX-0200, HX-0201 & HX-0148)

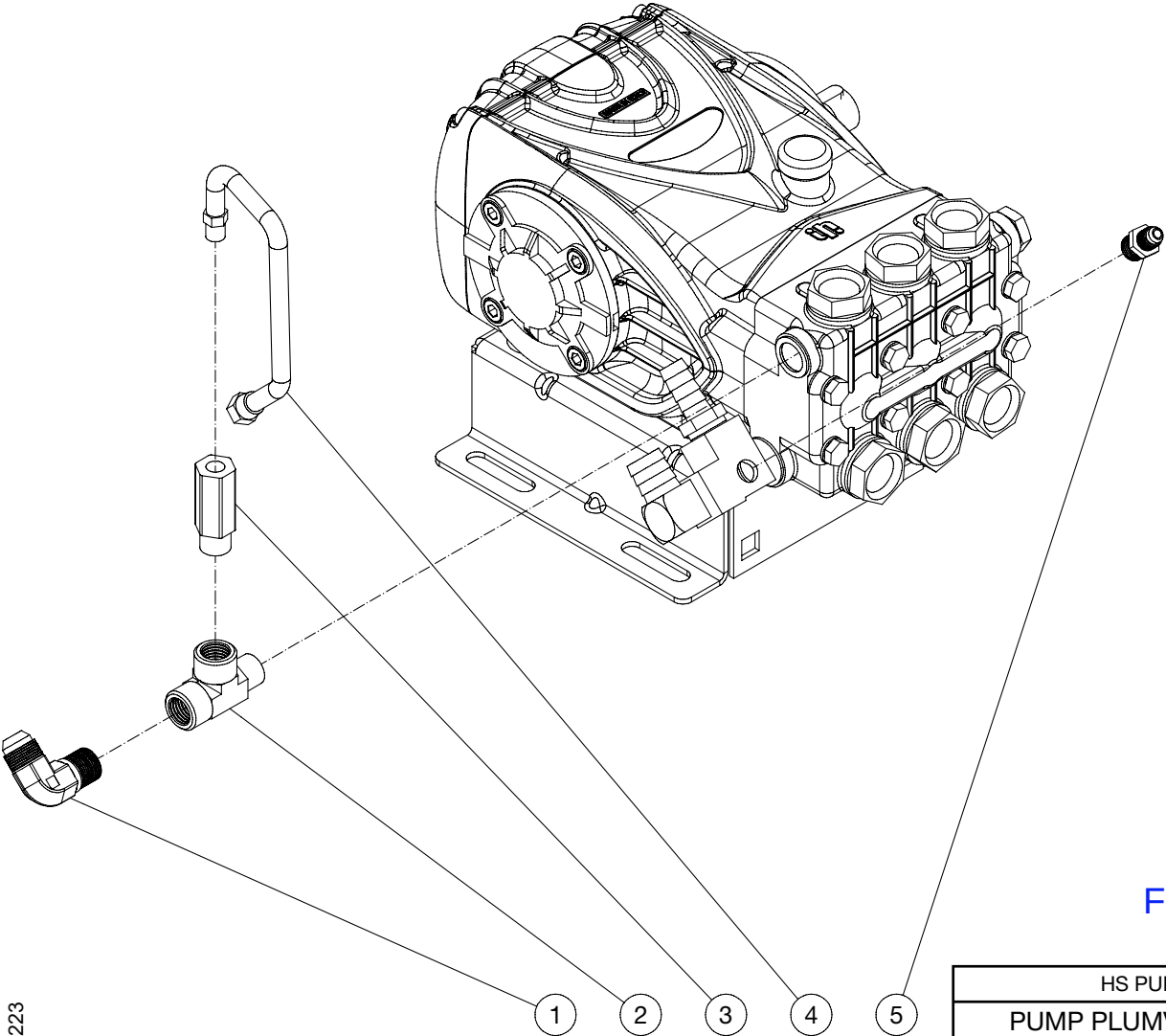


PRESSURE TRAPPING DETERGENT VALVE OPTION 042023

DETERGENT VALVE: PRESSURE TRAPPING DETERGENT VALVE OPTION (HX-0143, HX-0200, HX-0201 & HX-0148)

PRESSURE TRAPPING DETERGENT VALVE OPTION 042023			
DETERGENT VALVE OPTION			
ITEM	TITLE	PART #	QTY
1	ELBOW	24-0092	1
2	STREET TEE	23-0058	1
3	EASY START VALVE	22-0242	1
4	CHEMICAL HOSE *(SIX FEET REQUIRED) (HX-0148)	15-0021	1
-	CHEMICAL HOSE *(SIX FEET REQUIRED) (HS-3006-0MDK-0G)	15-0079	1
5	STRAINER (HX-0148)	19-0056	1
6	CLAMP WORM (HX-0148)	42-0004	3
7	DETERGENT VALVE (HX-0148)	22-0226	1
8	HOSE *(TWO FEET REQUIRED) (HX-0148)	15-0079	1
9	DECAL (SEE 71-0036) (HX-0148)	N/A	1
10	BARB (HX-0148)	23-0051	1
11	TEE	23-0127	1
12	UNION	23-0247	1
13	EASY START HOSE	15-0140	1
*MUST ORDER IN ONE FOOT LENGTHS			

PUMP PLUMBING: PRESSURE TRAPPING UNLOADER OPTION (HX-0143, HX-0200, HX-0201) (3005/3006/3504/3505/3506)

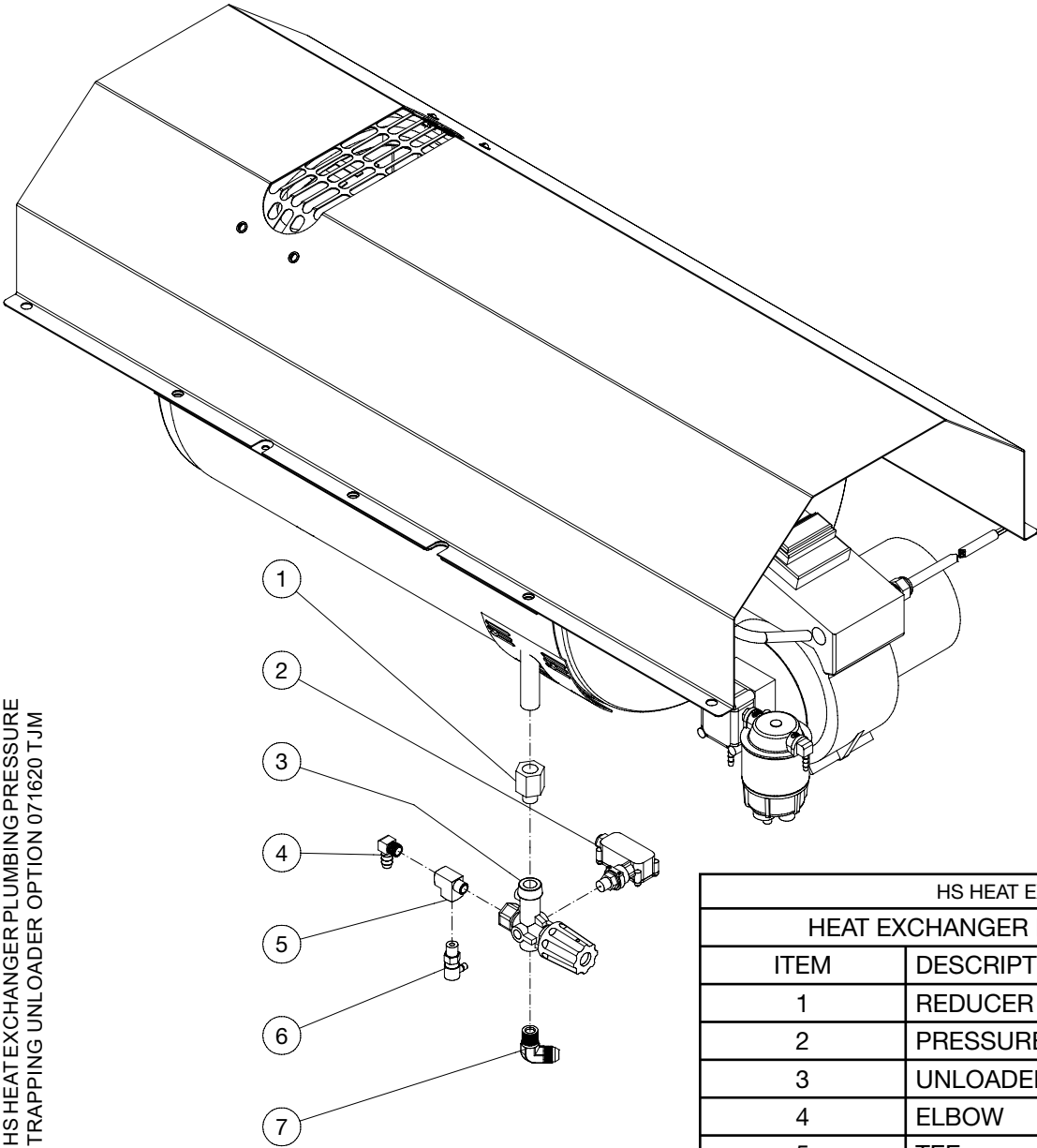


For parts Call 888-279-9274

HS PUMP PLUMBING PRESSURE TRAPPING UNLOADER OPTION 032223			
PUMP PLUMVING: PRESSURE TRAPPING UNLOADER OPTION			
ITEM	TITLE	PART #	QTY
1	ELBOW	24-0092	1
2	STREET TEE	23-0058	1
3	EASY START VALVE	22-0242	1
4	EASY START HOSE	15-0140	1
5	UNION	23-0247	1

HS PUMP PLUMBING PRESSURE TRAPPING
UNLOADER OPTION 032223

**HEAT EXCHANGER PLUMBING: PRESSURE TRAPPING UNLOADER OPTION (HX-0143, HX-0200, HX-0201)
(3005/3006/3504/3505/3506)**



For parts Call 888-279-9274

HS HEAT EXCHANGER PLUMBING PRESSURE TRAPPING UNLOADER OPTION 071620 TJM			
HEAT EXCHANGER PLUMBING: PRESSURE TRAPPING UNLOADER OPTION			
ITEM	DESCRIPTION	PART #	QTY
1	REDUCER	24-0048	1
2	PRESSURE SWITCH	22-0243	1
3	UNLOADER	850-0252	1
4	ELBOW	23-0119	1
5	TEE	23-0127	1
6	HEAT DUMP VALVE	22-0408	1
7	ELBOW	24-0092	1

HS_HVS DUAL GUN OPTION 042023



For parts Call 888-279-9274

DUAL GUN OPTION (HX-0144 & HX-0213) (3006/3506/3008)

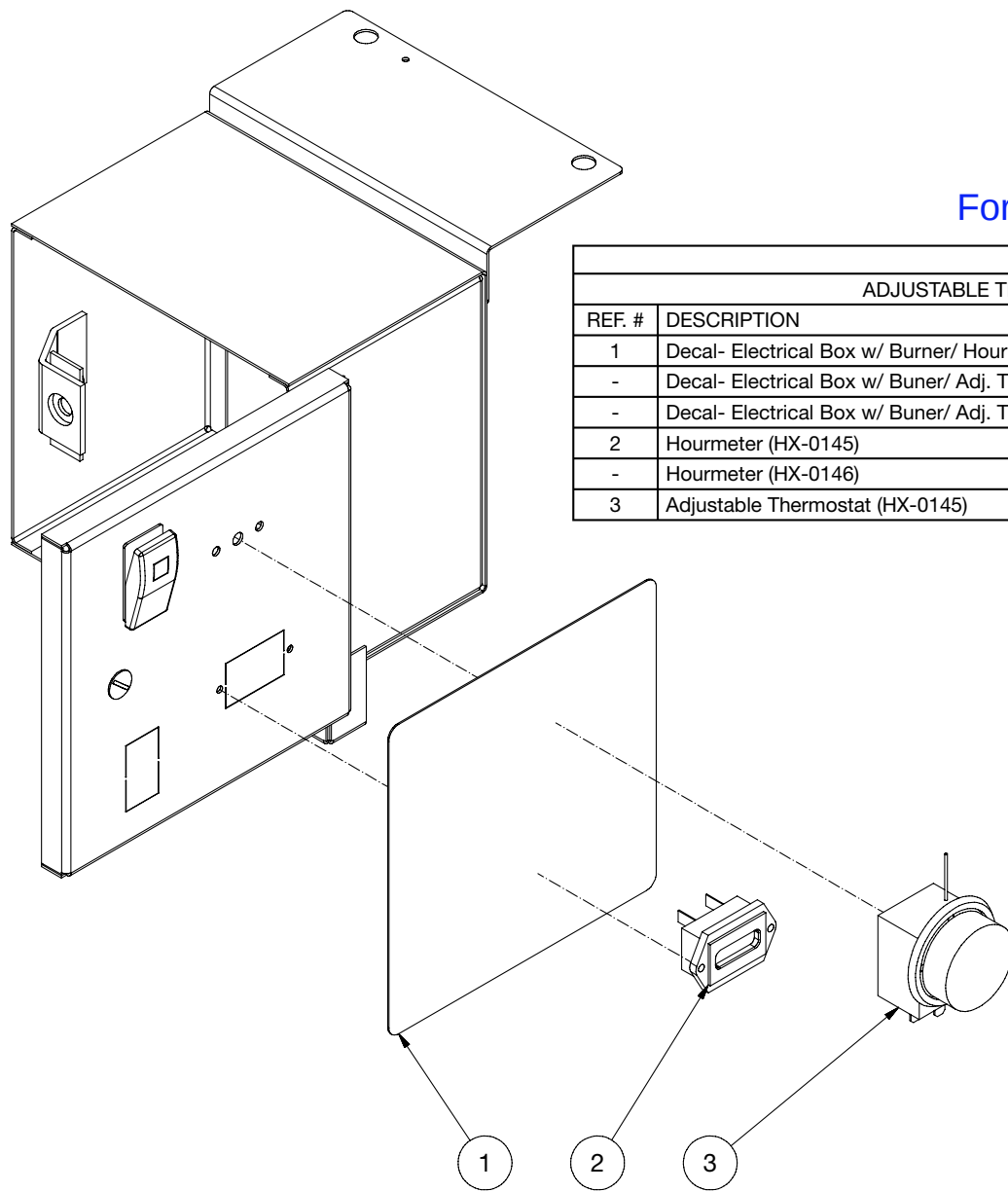
HS DUAL GUN OPTION 042023			
DUAL GUN OPTION (HX-0144: HS-3006/3506, HX-0213: HS-3008)			
REF. #	DESCRIPTION	PART #	QTY.
1	TRIGGE GUN	16-0446	1
2	LANCE EXTENSION	16-0417	1
3	SOCKET	17-0028	1
4	NOZZLE- 0003 (HX-0144)	18-0387	2
-	NOZZLE- 1503 (HX-0144)	18-0388	2
-	NOZZLE- 2503 (HX-0144)	18-0390	2
-	NOZZLE- 4003 (HX-0144)	18-0391	2
-	NOZZLE- 0004 (HX-0213)	18-0402	2
-	NOZZLE- 1504 (HX-0213)	18-0403	2
-	NOZZLE- 2504 (HX-0213)	18-0404	2
-	NOZZLE- 4004 (HX-0213)	18-0405	2
5	SOCKET	17-0007	2
6	PLUG	17-0005	1
7	TEE	24-0026	1
8	PLUG	17-0006	1
9	HOSE ASSEMBLY (HX-0144)	15-0166	1
-	HOSE ASSEMBLY (HX-0213)	15-0056	1

ADJUSTABLE THERMOSTAT & HOURMETER OPTION (HX-0145 & HX-0146)

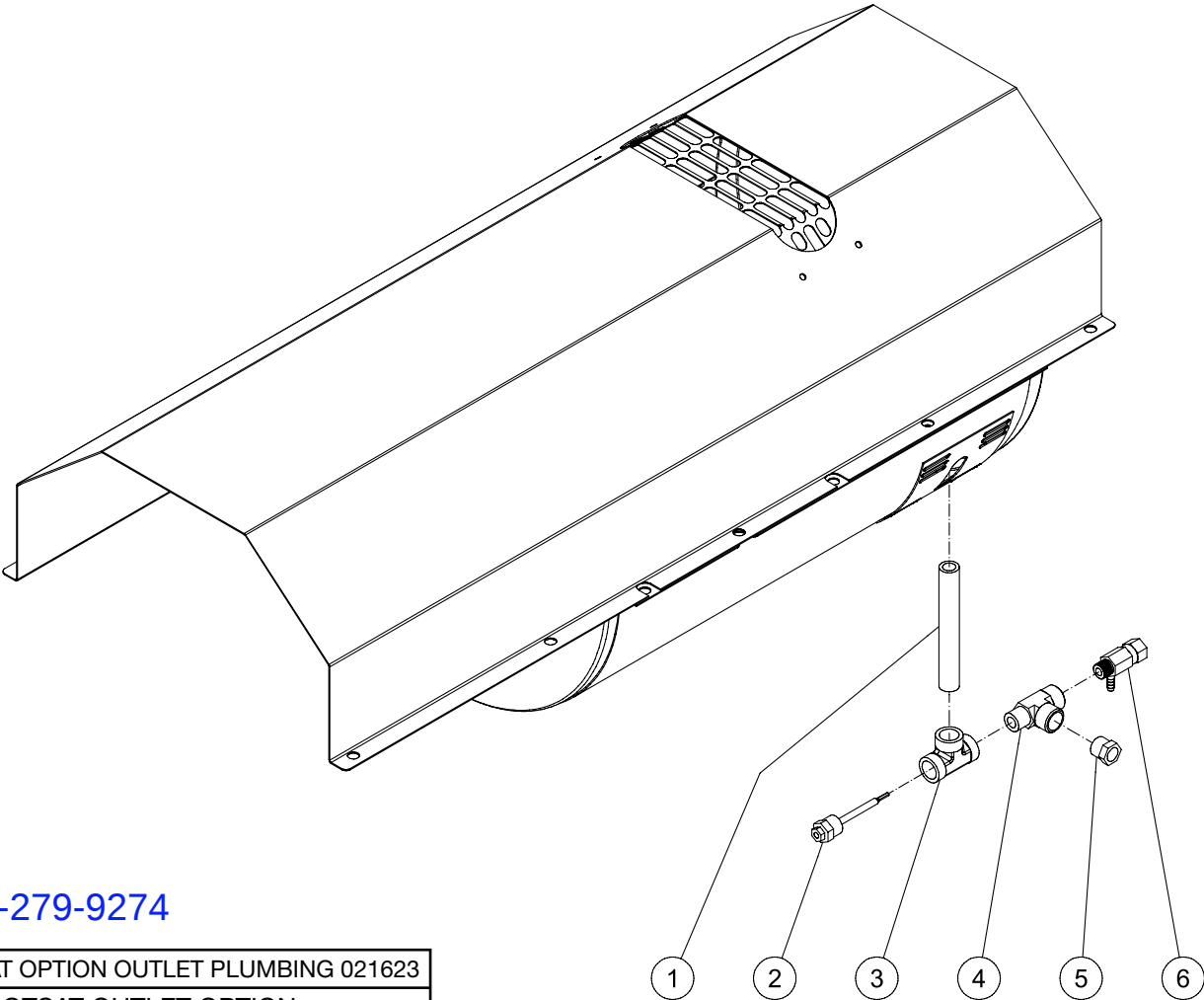
For parts Call 888-279-9274

HS ADJ. THER. & HOURMETER OPTION-021623			
ADJUSTABLE THERMOSTAT & HOURMETER OPTION (HX-0145 & HX-0146)			
REF. #	DESCRIPTION	PART #	QTY.
1	Decal- Electrical Box w/ Burner/ Hourmeter (HX-0146) (See 34-9024)	N/A Sep.	1
-	Decal- Electrical Box w/ Buner/ Adj. Thermostat/ Hourmeter (HX-0145 & HX-0146) (See 34-9024)	N/A Sep.	1
-	Decal- Electrical Box w/ Buner/ Adj. Thermostat (HX-0145) (See 34-9024)	N/A Sep.	1
2	Hourmeter (HX-0145)	32-0431	1
-	Hourmeter (HX-0146)	32-0668	1
3	Adjustable Thermostat (HX-0145)	32-0734	1

HS_HDC ADJUSTABLE THERMOSTAT_ HOURMETER OPTION 021623



PLUMBING: ADJUSTABLE THERMOSTAT OUTLET OPTION (HX-0145)

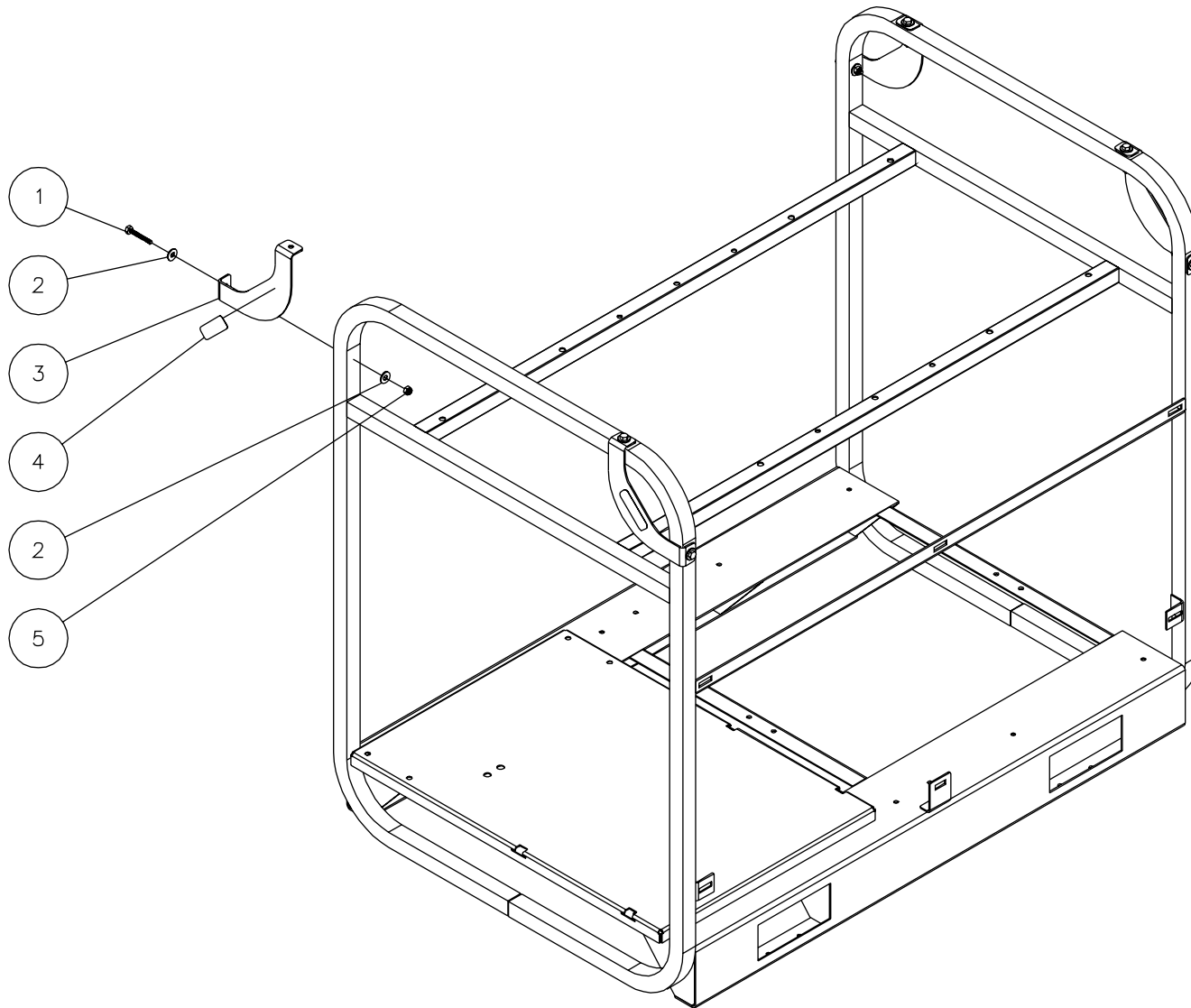


For parts Call 888-279-9274

HS ADJUSTABLE THERMOSTAT OPTION OUTLET PLUMBING 021623			
PLUMBING: ADJUSTABLE THERMOTSAT OUTLET OPTION			
ITEM	DESCRIPTION	PART #	QTY
1	PIPE NIPPLE	24-0254	1
2	ADJUSTABLE THERMOSTAT	32-0734	1
3	TEE	24-0055	1
4	STREET TEE	24-0242	1
5	REDUCER BUSHING	23-0016	1
6	SAFETY RELIEF VALVE	22-0309	1

HS ADJUSTABLE THERMOSTAT OP-
TION OUTLET PLUMBING 021623

LIFTING HOOK OPTION (HX-0147)

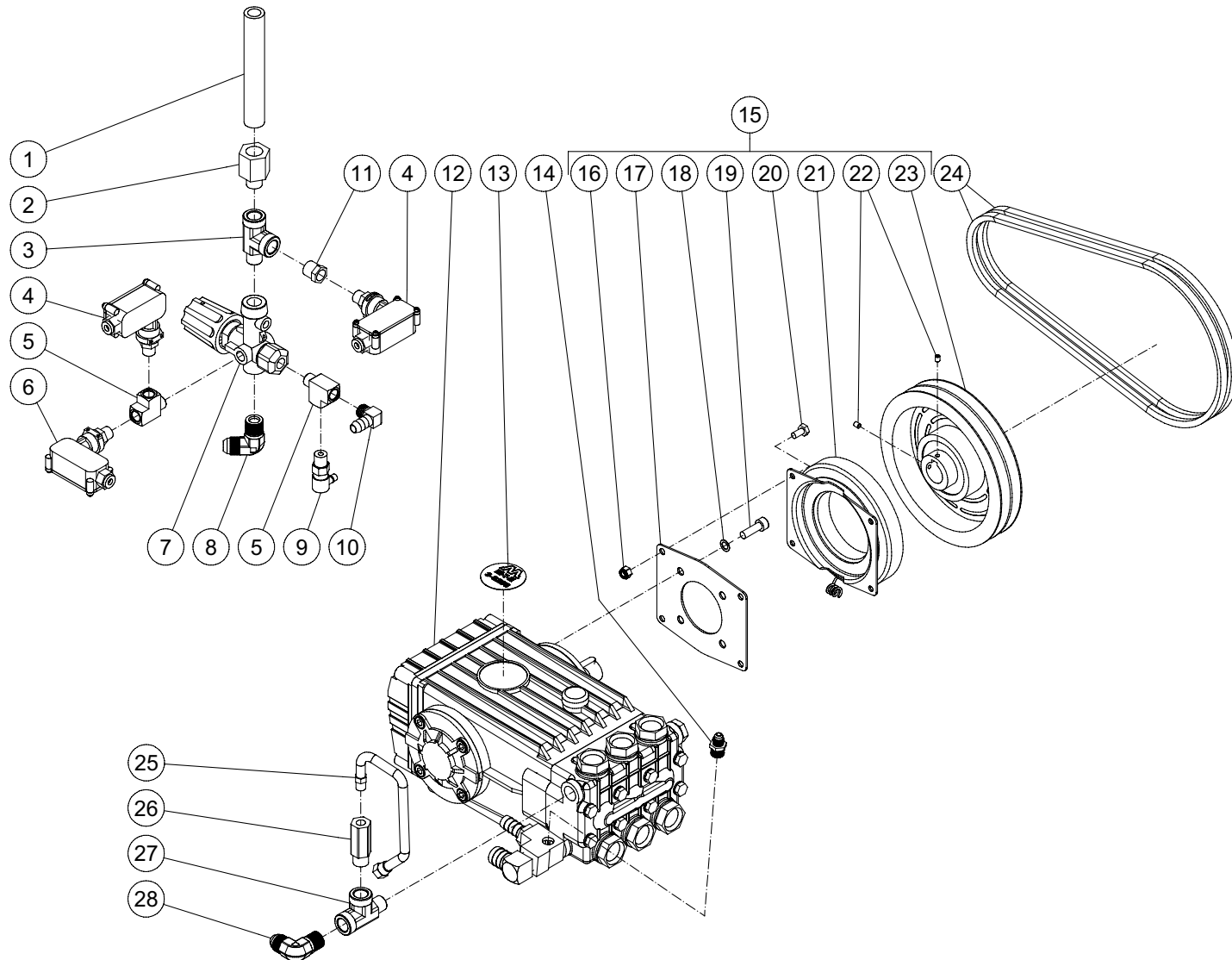


LIFTING HOOK OPTION (HX-0147)

HS LIFTING HOOK OPTION-071502-BAR

LIFTING HOOK OPTION (HX-0147)			
REF. #	DESCRIPTION	PART #	QTY.
1	Bolt	27-0071	8
2	Washer	28-0022	16
3	Lift Bracket	20-0665A18	4
4	Decal- Lift (See 34-9024)	N/A Sep.	4
5	Locknut	30-0157	8
	Safety Decal Kit (Includes 4)	34-9024	

For parts Call 888-279-9274
CLUTCH DRIVE OPTION (3005) (HX-0257)

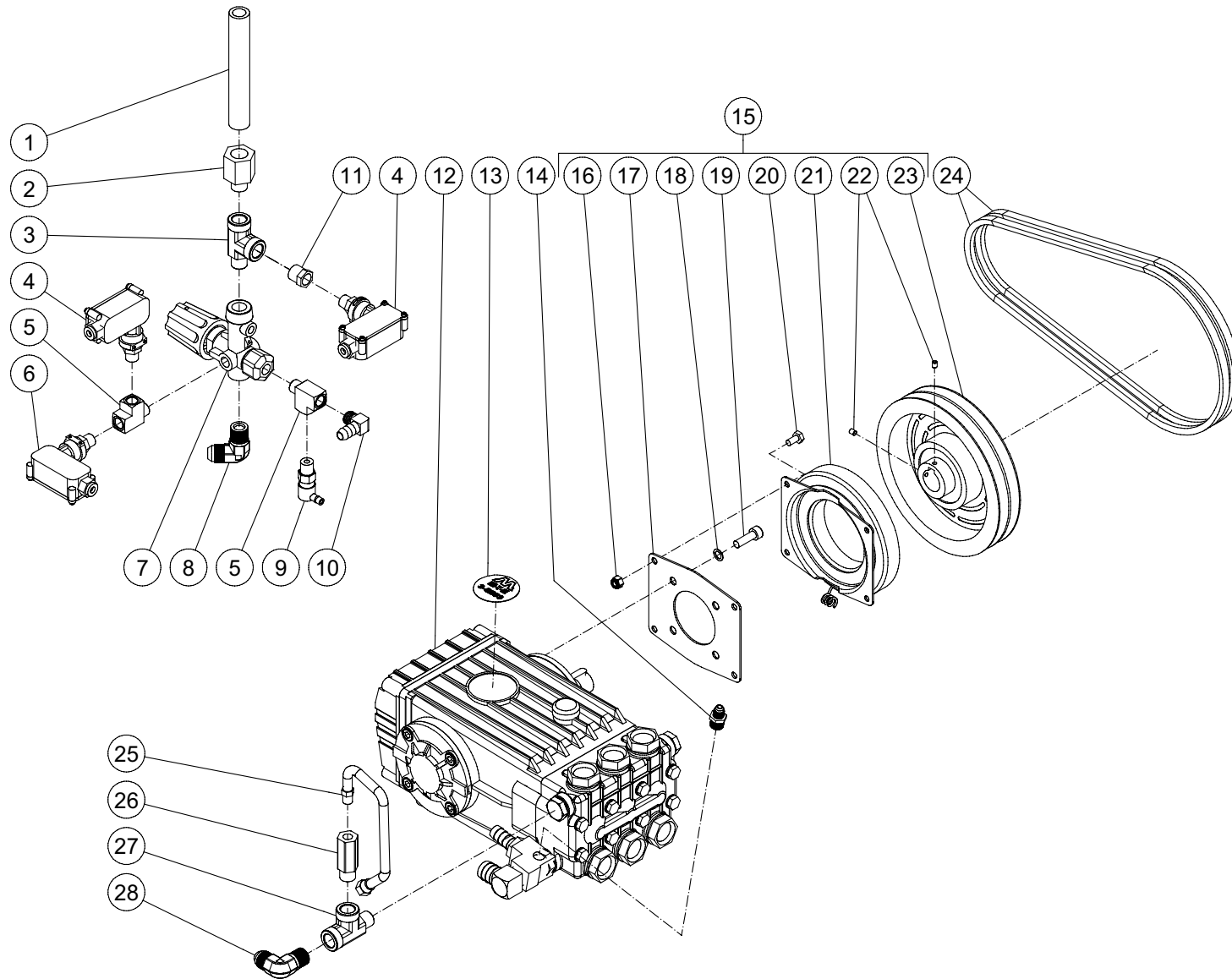


HX-0227_HX-0229_HX-0257 OPTION CLUTCH 081822

CLUTCH DRIVE OPTION (3005) (HX-0257)

HX-0257 081822 RSW			
OPTION/CLUTCH			
ITEM	DESCRIPTION	PART #	QTY
1	PIPE NIPPLE	24-0246	1
2	REDUCER	24-0048	1
3	STREET TEE	23-0058	1
4	PRESSURE SWITCH	22-0243	2
5	TEE	23-0127	2
6	PRESSURE SWITCH	22-0171	1
7	UNLOADER	850-0252	1
8	ELBOW	24-0092	1
9	HEAT DUMP VALVE	22-0408	1
10	ELBOW	23-0119	1
11	REDUCER	23-0017	1
12	PUMP	3-0203	1
13	DECAL - PUMP	34-2290	1
14	NIPPLE	23-0247	1
15	CLUTCH	10-0156	1
16	LOCKNUT	30-0155	4
17	CLUTCH MOUNTING PLATE	N/A	1
18	LOCKWASHER	29-0154	4
19	BOLT	27-8194	4
20	BOLT	27-0014	4
21	CLUTCH	N/A	1
22	SET SCREW	27-8895	2
23	SHEAVE	N/A	1
24	BELT	11-0023	2
25	EASY START HOSE	15-0140	1
26	EASY START VALVE	22-0242	1
27	TEE 3/8" STREET - STEEL	23-0058	1
28	ELBOW	24-0092	1
-	NOZZLE 00050 QC	18-0406	1
-	NOZZLE 15050 QC	18-0407	1
-	NOZZLE 25050 QC	18-0408	1
-	NOZZLE 40050 QC	18-0409	1

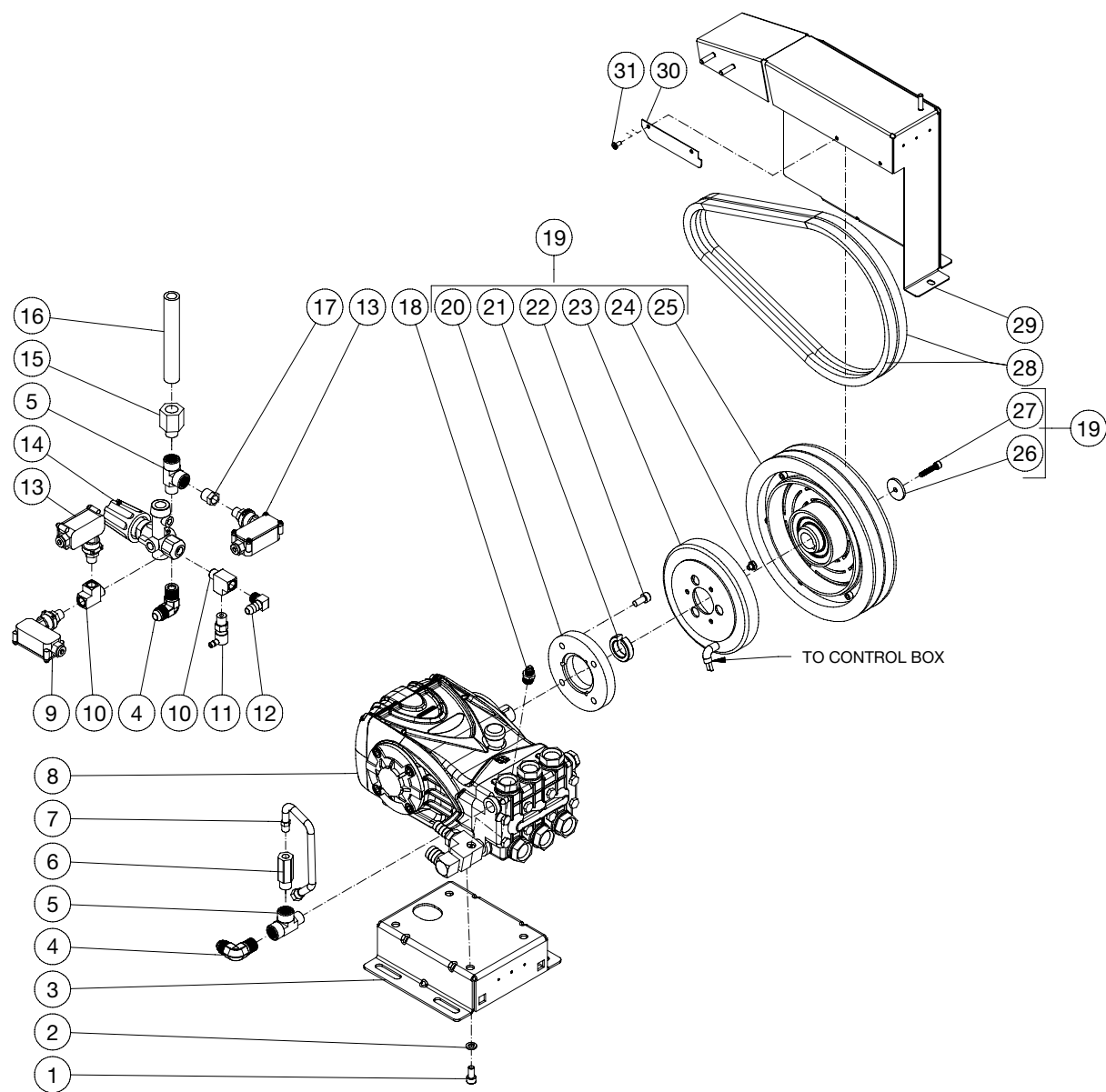
CLUTCH DRIVE OPTION (3505) (HX-0258)



CLUTCH DRIVE OPTION (3505) (HX-0258)

HX-0258 081822 RSW			
OPTION/CLUTCH			
ITEM	DESCRIPTION	PART #	QTY
1	PIPE NIPPLE	24-0246	1
2	REDUCER	24-0048	1
3	STREET TEE	23-0058	1
4	PRESSURE SWITCH	22-0243	2
5	TEE	23-0127	2
6	PRESSURE SWITCH	22-0171	1
7	UNLOADER	850-0252	1
8	ELBOW	24-0092	1
9	HEAT DUMP VALVE	22-0408	1
10	ELBOW	23-0119	1
11	REDUCER	23-0017	1
12	PUMP	3-0203	1
13	DECAL - PUMP	34-2290	1
14	NIPPLE	23-0247	1
15	CLUTCH	10-0156	1
16	LOCKNUT	30-0155	4
17	CLUTCH MOUNTING PLATE	N/A	1
18	LOCKWASHER	29-0154	4
19	BOLT	27-8194	4
20	BOLT	27-0014	4
21	CLUTCH	N/A	1
22	SET SCREW	27-8895	2
23	SHEAVE	N/A	1
24	BELT	11-0023	2
25	EASY START HOSE	15-0140	1
26	EASY START VALVE	22-0242	1
27	TEE 3/8" STREET - STEEL	23-0058	1
28	ELBOW	24-0092	1
-	NOZZLE 00045 QC	18-0402	1
-	NOZZLE 15045 QC	18-0403	1
-	NOZZLE 25045 QC	18-0404	1
-	NOZZLE 40045 QC	18-0405	1

CLUTCH DRIVE OPTION 9.75" 3005 & 3505 (HX-0264), 3008 (HX-0263)

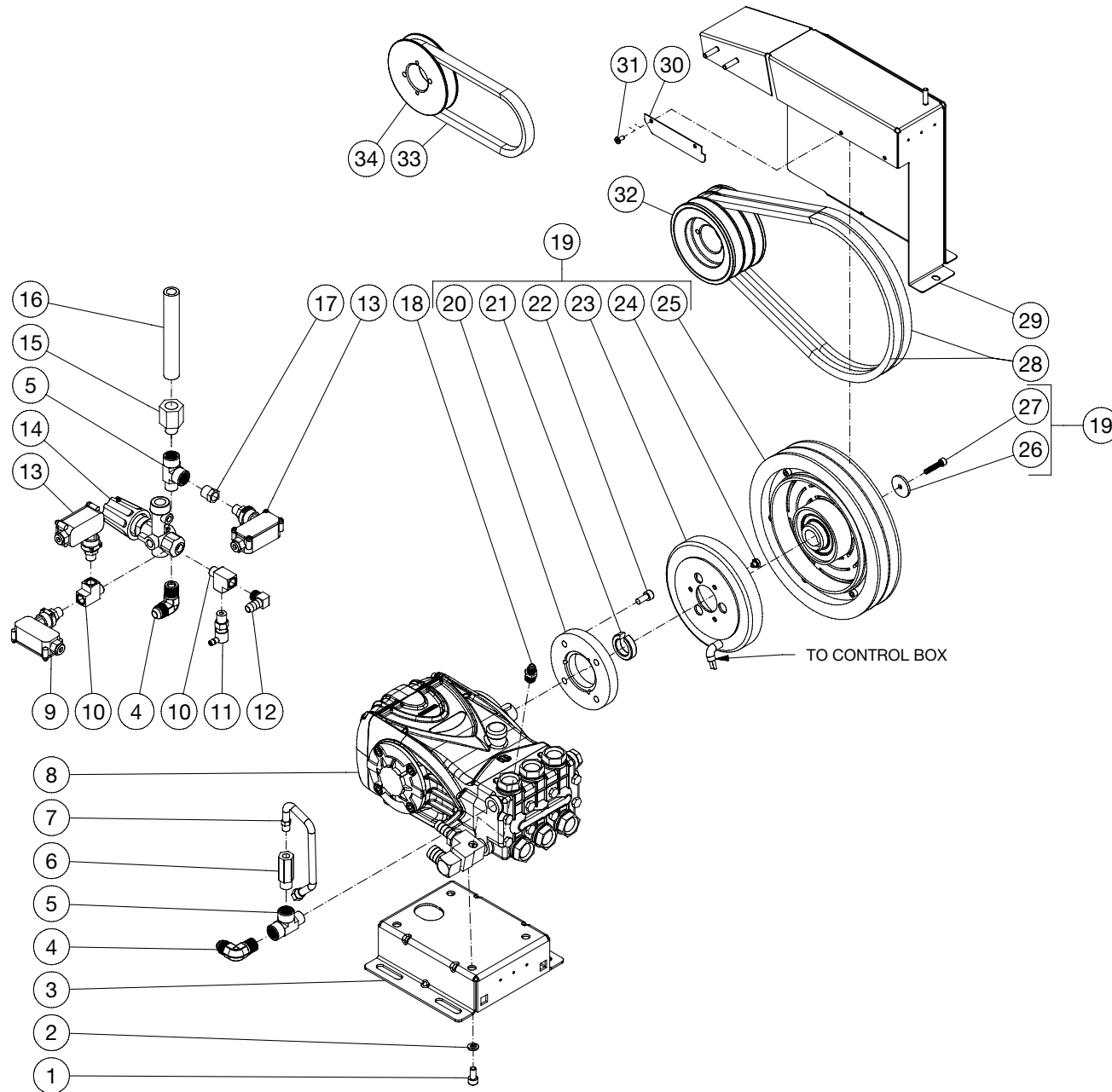


HX-0263, 0264 - HVS_3008, 3005, 3505 120523

CLUTCH DRIVE OPTION 9.75" 3005 & 3505 (HX-0264), 3008 (HX-0263)

HX-0263, 0264 - HVS_3008, 3005, 3505 120523			
OPTION/CLUTCH 9.75"			
ITEM	DESCRIPTION	PART #	QTY
1	BOLT	27-8884	4
2	LOCKWASHER	29-0054	4
3	PUMP HAT	5-0364A18	1
4	ELBOW	24-0092	2
5	STREET TEE	23-0058	2
6	EASY START VALVE	22-0242	1
7	EASY START HOSE	15-0140	1
8	PUMP	N/A SEP.	1
9	PRESSURE SWITCH	22-0171	1
10	TEE (HX-0264)	23-0127	2
11	HEAT DUMP VALVE (HX-0264)	22-0408	1
12	ELBOW (HX-0264)	23-0119	1
13	PRESSURE SWITCH	22-0243	2
14	UNLOADER ASSY EXPLODED	850-0252	1
15	REDUCER (HX-0264)	24-0048	1
16	PIPE NIPPLE	24-0246	1
17	REDUCER	23-0017	1
18	UNION	23-0247	1
19	CLUTCH ASSEMBLY	10-0167	1
20	PLATE	N/A SEP.	1
21	SPACER	N/A SEP.	1
22	BOLT	27-8433	4
23	COIL	N/A SEP.	1
24	SCREW	N/A SEP.	3
25	PULLEY ASSEMBLY	N/A SEP.	1
26	FENDER WASHER	N/A SEP.	1
27	BOLT	27-8404	1
28	BELT (HX-0263, 0264)	11-0052	2
-	BELT (HX-0263 (3008))	11-0101	2
29	BELTGUARD (CLUTCH OPTION)	6-0184A18	1
30	PATCH PANEL (PUMP 3-0202)	20-1697A18	1
31	RIVET (PUMP 3-0202)	53-0009	2

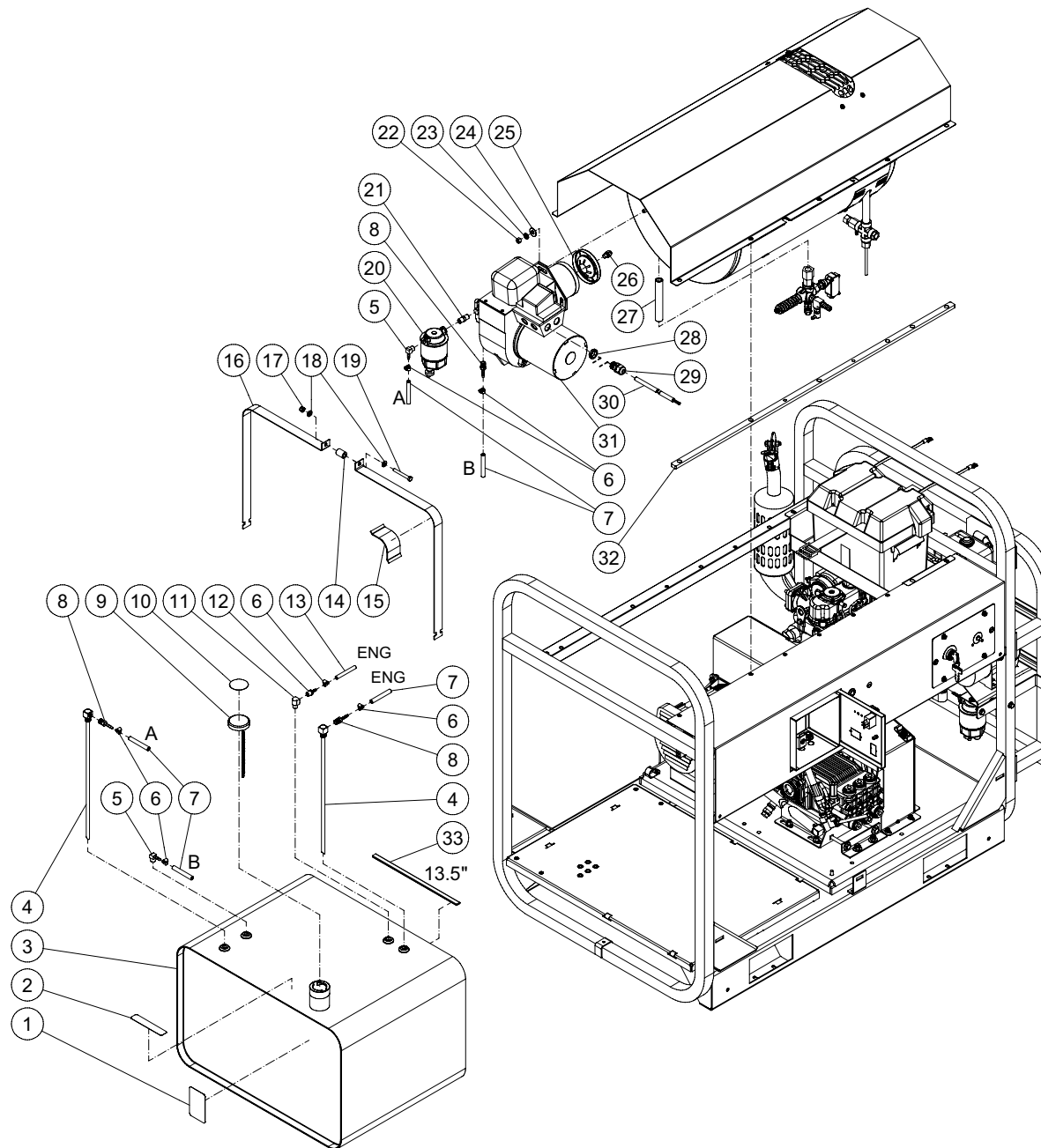
CLUTCH DRIVE OPTION 9.75" 3506 (HX-0265)



CLUTCH DRIVE OPTION 9.75" 3506 (HX-0265)

HX-0265 111723			
OPTION/CLUTCH 9.75"			
ITEM	DESCRIPTION	PART #	QTY
1	BOLT	27-8884	4
2	LOCKWASHER	29-0054	4
3	PUMP HAT	5-0364A18	1
4	ELBOW	24-0092	2
5	STREET TEE	23-0058	2
6	EASY START VALVE	22-0242	1
7	EASY START HOSE	15-0140	1
8	PUMP	N/A SEP.	1
9	PRESSURE SWITCH	22-0171	1
10	TEE	23-0127	2
11	HEAT DUMP VALVE	22-0408	1
12	ELBOW	23-0119	1
13	PRESSURE SWITCH	22-0243	2
14	UNLOADER ASSY EXPLODED	850-0252	1
15	REDUCER	24-0048	1
16	PIPE NIPPLE	24-0246	1
17	REDUCER	23-0017	1
18	UNION	23-0247	1
19	CLUTCH ASSEMBLY	10-0167	1
20	PLATE	N/A SEP.	1
21	SPACER	N/A SEP.	1
22	BOLT	27-8433	4
23	COIL	N/A SEP.	1
24	SCREW	N/A SEP.	3
25	PULLEY ASSEMBLY	N/A SEP.	1
26	FENDER WASHER	N/A SEP.	1
27	BOLT	27-8404	1
28	BELT	11-0052	2
29	BELTGUARD (CLUTCH OPTION)	6-0184A18	1
30	PATCH PANEL	20-1697A18	1
31	RIVET	53-0009	2
32	SHEAVE	10-0011	1
33	BELT - BX24	11-0100	1
34	SHEAVE	10-0039	1

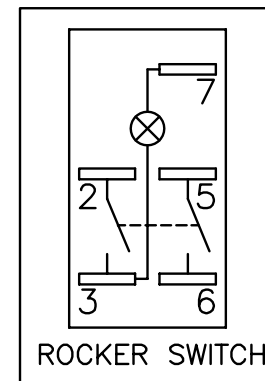
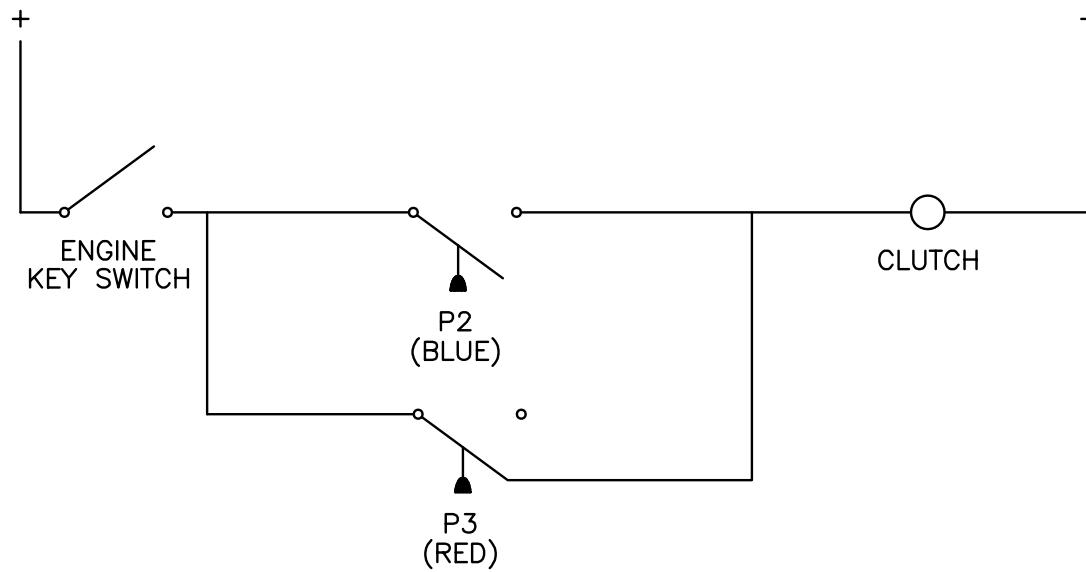
30 GALLON STEEL FUEL TANK OPTION (HX-0285)



30 GALLON STEEL FUEL TANK OPTION (HX-0285)

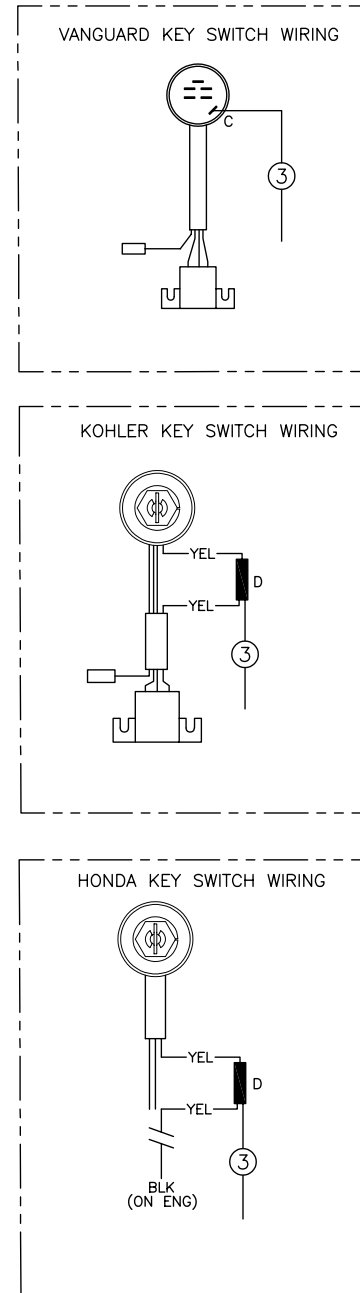
HX-0285 012320 TJM			
OPTION / 30 GALLON STEEL FUEL TANK			
ITEM	DESCRIPTION	PART #	QTY
1	DECAL-CAUTION RISK OF FIRE (SEE 71-0036)	N/A	1
2	DECAL - DIESEL ONLY (SEE 71-0036)	N/A	1
3	FUEL TANK	12-0253A57	1
4	FUEL PICK UP	33-0282	2
5	ELBOW	23-0054	2
6	CLAMP WORM	42-0004	6
7	FUEL HOSE *(FIVE FEET REQUIRED)	15-0008	1
8	BARB	23-0051	3
9	FUEL CAP	12-0183	1
10	DECAL-DIESEL ONLY	34-4186	1
11	ELBOW	23-0014	1
12	HOSE BARB	23-0455	1
13	FUEL HOSE *(FOUR FEET REQUIRED)	15-0261	1
14	SPACER	33-0425	2
15	RUBBER PAD	33-0565	4
16	TANK STRAP	20-1377A18	4
17	LOCKNUT	30-0157	2
18	WASHER	28-0003	4
19	BOLT	27-0073	2
20	FUEL FILTER / WATER SEPERATOR	19-0070	1
21	NIPPLE	24-0145	1
22	NUT	30-0006	3
23	LOCKWASHER	29-0008	3
24	WASHER	28-0023	3
25	COMBUSTION HEAD	44-0162	1
26	FUEL NOZZLE	18-0361	1
-	FUEL NOZZLE	18-0175	1
27	PIPE NIPPLE	24-0246	1
28	ELECTRICAL LOCKNUT	32-0108	1
29	STRAIN RELIEF	32-0437	1
30	CORD	32-0247	1
31	BURNER	4-0037	1
32	SHIM	20-1289A18	2
33	EDGING *(TWO FEET REQUIRED)	33-0020	1
*MUST ORDER IN ONE FOOT LENGTHS			

WIRING SCHEMATIC (HX-0257 AND HX-0258)

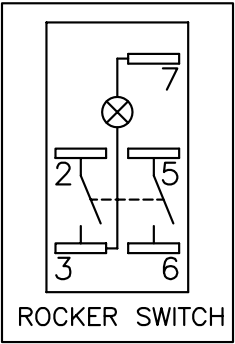
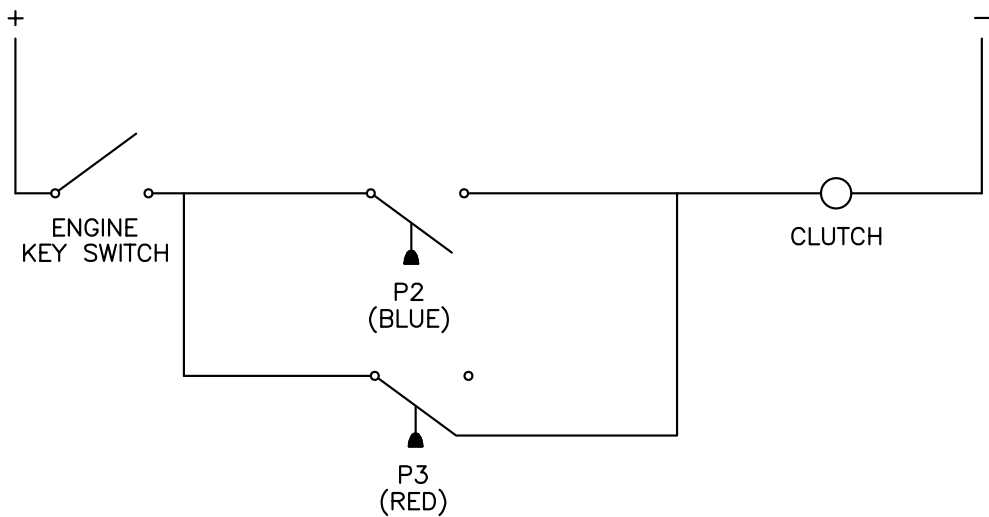


HX-0227_0228_0229_0230_0257_0258 WS 032023

HX-0227_0228_0229_0230_0257_0258_WD 032023

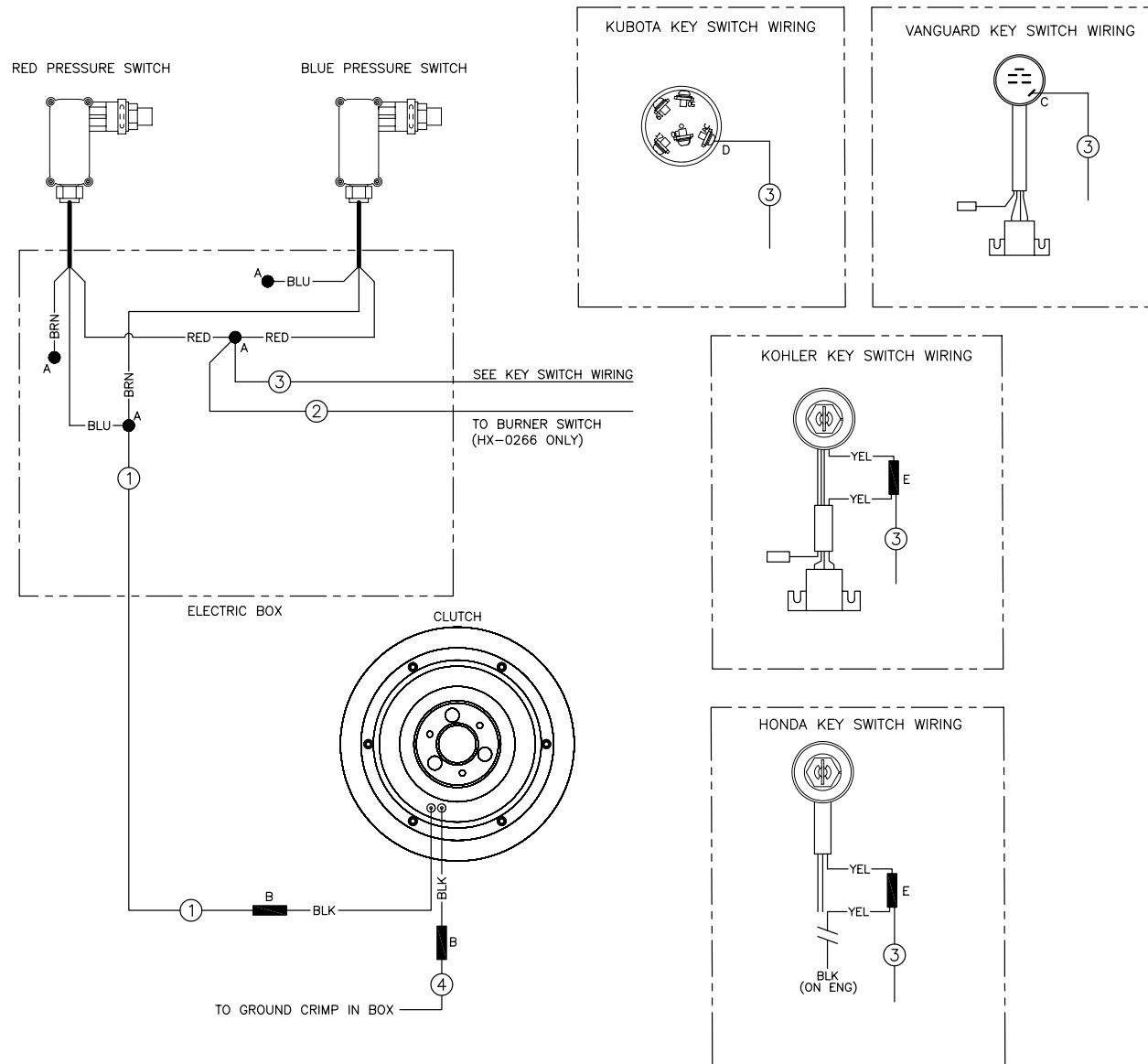


WIRING SCHEMATIC (HX-0263, HX-0264, HX-0265)



HX-0261_0262_0263_0264_0265_WS 032023

WIRING DIAGRAM (HX-0263, HX-0264, HX-0265)



HX-0261_0262_0263_0264_0265_0266 WD 032023

