



PARTS LIST FOR
GH-3004-NYKD-P
HOT WATER PRESSURE WASHER

MANUFACTURED FOR W.W. GRAINGER INC.

FOR REPLACEMENT PARTS CALL 888-279-9274

ENGINE OIL GRADE:

KOHLER:

SAE20W-40

PUMP OIL GRADE:

SAE 20 or 30 Non-Detergent

PUMP OIL CAPACITY:

41 oz. / 1.2 L

FUEL NOZZLE:

2.00 80° B Delavan

BTU INPUT:

343,000

PRESSURE NOZZLE SIZE:

4.0

This Parts Listing has been compiled for your benefit. You can be assured your hot water pressure washer was constructed and designed with quality and performance in mind. Each component has been rigorously tested to insure the highest level of quality. The contents of this Parts Listing are based on the latest product information available at the time of publication. The manufacturer reserves the right to make changes in price, color, materials, equipment, specifications or models at any time without notice.

WARNING

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

SAFETY WARNINGS

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

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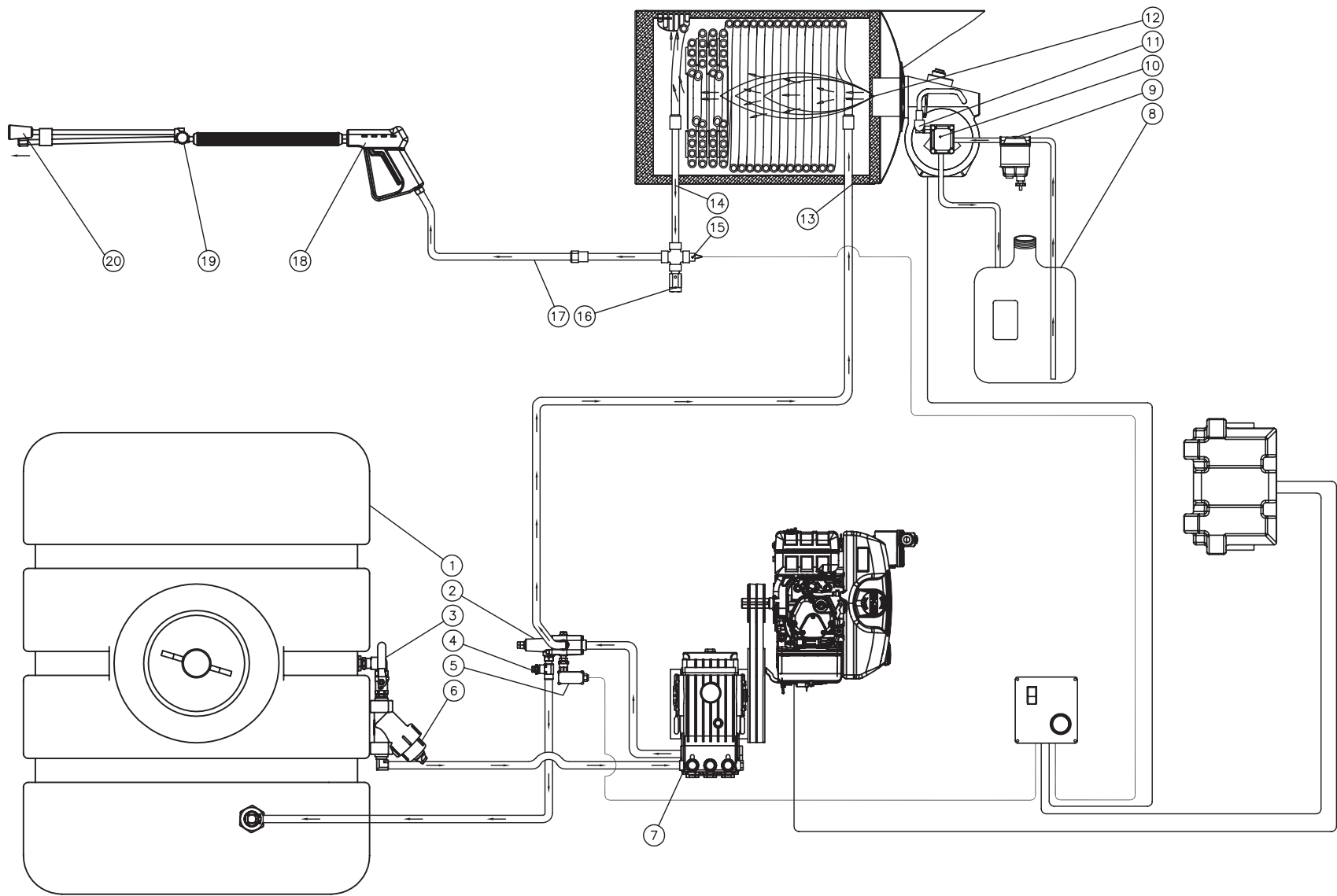
SPECIFICATIONS FOR GH-3004-NYKD-P

MODEL NUMBER	GH-3004-NYKD-P
Operating Pressure (PSI/Bar):	3000 / 206.8 (+/-5%)
Water Volume (GPM/lpm):	3.5 / 13.25 (+/-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
Model	KD440
Engine Type	Air-Cooled, Vertical Single Cylinders, 4-Stroke Diesel
Oil Type	SAE 20W-40
Oil Capacity (oz. / liter)	50 / 1.5
Low Oil Protection	Safety Shutdown for Low Oil Pressure
Fuel Type	Diesel
Fuel Capacity (Gal. / liter)	1.3 / 0.5
Starting	12 Volt Electric
Battery	BCI Group 24DC, RV / Marine Dual Purpose Deep Cycle / Cranking Battery
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)	41 / 1.2
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	1" WYE filter with 80 mesh stainless steel screen
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	2.00 80° B Delavan
Fuel Consumption (GPH / LPH)	2.45 / 9.27 Cont. Burning
Burner Electrical System	
Voltage	12
Amps	16.0
Heat Exchanger	Horizontal, Side Fired, Pancake Coil
BTU Input	343,000
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	12 Volt, controls fuel supply to burner
Safety Relief	Relieves excess system pressure
Unit Net Weight (Lbs/kg)	1203 / 546
Unit Net Dimensions (In/cm)	92L x 50W x 48.3H / 233.7L x 127W x 122.7H

NOTES

DATE	SERIAL NUMBER	REASON FOR CHANGE
04-01-2023	#15157879	CHANGED RELAY FROM 32-0791 TO 32-1351 AND UPDATED WIRING
08-21-2025	#15173115	ADD 32-1395 LOW VOLTAGE DISCONNECT

FLOW DIAGRAM



GH-3004-NYKD-P FLOW DIAGRAM 081517 JVA

GENERAL THEORY OF OPERATION

WATER FLOW: Fill SUPPLY TANK (1) with water, and turn on the water supply using the BALL VALVE (3).

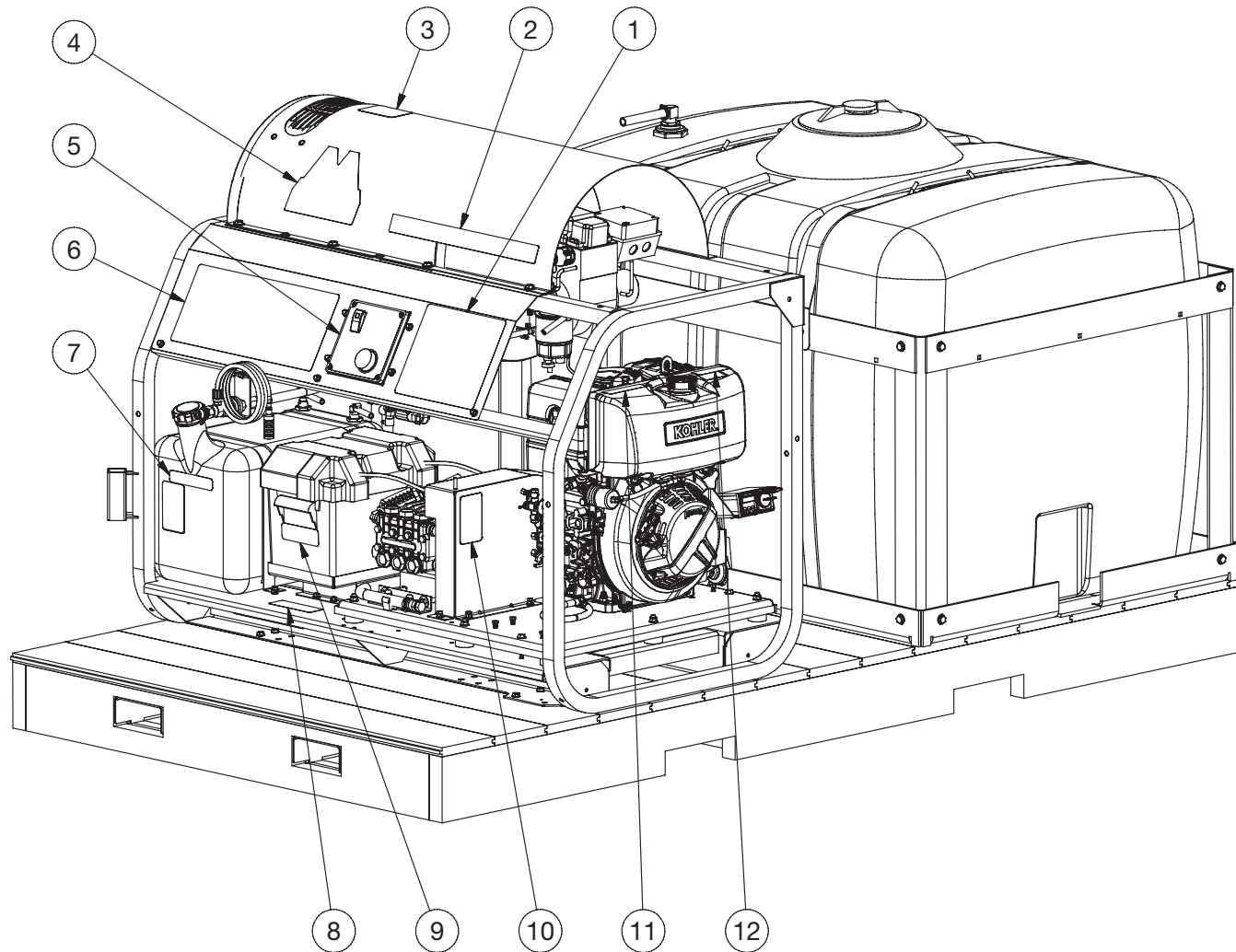
Water is fed through a WATER FILTER (6) and into a TRIPLEX HIGH PRESSURE PUMP (7) which has an UNLOADER (2) that bypasses the water when the trigger gun is closed. To protect the pump from heated water during bypass stage, a HEAT DUMP VALVE (4) will open at 140 F/60 C allowing the heated water to escape. The Heat Dump Valve automatically resets when the water cools. The BURNER CONTROL PRESSURE SWITCH (5) 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 an ADJUSTABLE THERMOSTAT (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 (16) will relieve and allow water to exit safely.

The heated water then flows through the HIGH PRESSURE HOSE (17) and to the TRIGGER GUN ASSEMBLY (18) which allows the operator to control the water spray. When the trigger gun is open, the water flow through the ADJUSTABLE PRESSURE DUAL LANCE (19) and exits the NOZZLE (20).

FUEL FLOW: The Fuel Pump draws fuel from the FUEL TANK (8) through a replaceable FUEL FILTER/WATER SEPARATOR (9) and into the FUEL PUMP (10). Fuel exits the fuel pump, into a FUEL SOLENOID VALVE (11) which controls fuel flow to the FUEL NOZZLE (12) where it ignites and burns in the heat exchanger.

SAFETY DECAL PLACEMENT (BEFORE SERIAL #15173115)

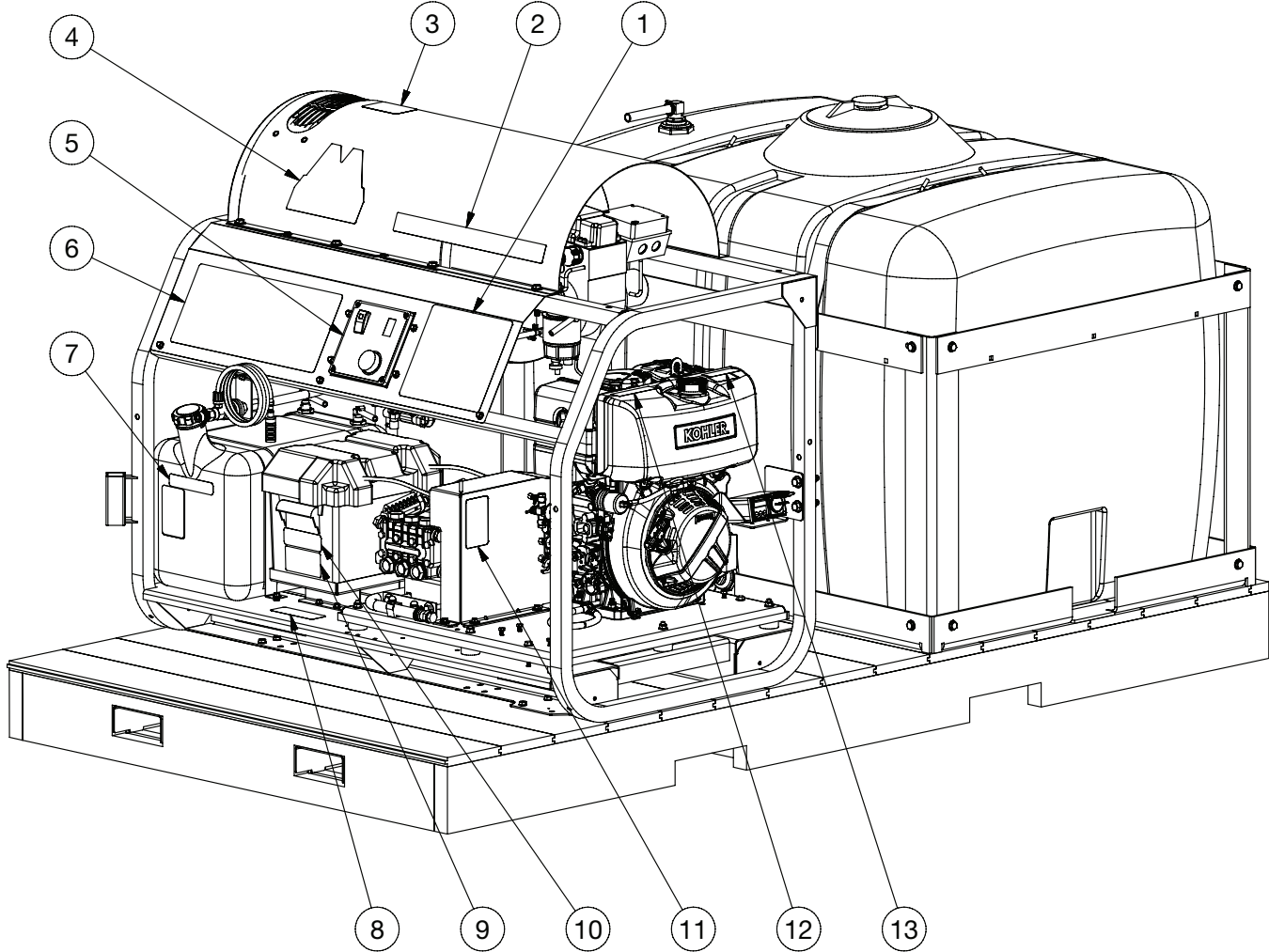


GH-3004-NYKD-P - DECAL PLACEMENT 122922SMS

SAFETY DECAL PLACEMENT (BEFORE SERIAL #15173115)

GH-3004-NYKD-P - DECAL PLACEMENT 122922SMS			
SAFETY DECAL PLACEMENT			
ITEM	DESCRIPTION	PART #	QTY
1	DECAL - OPERATION (SEE 71-0030)	N/A	1
2	DECAL- STRIPES 17" W/ 3000 PSI	34-2578	1
3	DECAL - WARNING HOT SURFACES (SEE 71-0030)	N/A	1
4	DECAL - Mi-T-M	34-2170	1
5	DECAL - CONTROLS (SEE 71-0030)	N/A	1
6	DECAL - WARNINGS (SEE 71-0030)	N/A	1
7	DECAL - DIESEL ONLY (SEE 71-0030)	N/A	1
8	DECAL - GRAINGER 800# LARGE (SEE 71-0030)	N/A	1
9	DECAL - RISK OF INJURY (SEE 71-0030)	N/A	1
10	DECAL - WARNING; RISK OF INJURY (SEE 71-0030)	N/A	1
11	DECAL - RISK OF BURNS (SEE 71-0030)	N/A	1
12	DECAL - RISK OF FIRE (SEE 71-0030)	N/A	1
-	DECAL SET	71-0030	1

SAFETY DECAL PLACEMENT (AFTER SERIAL #15173115)

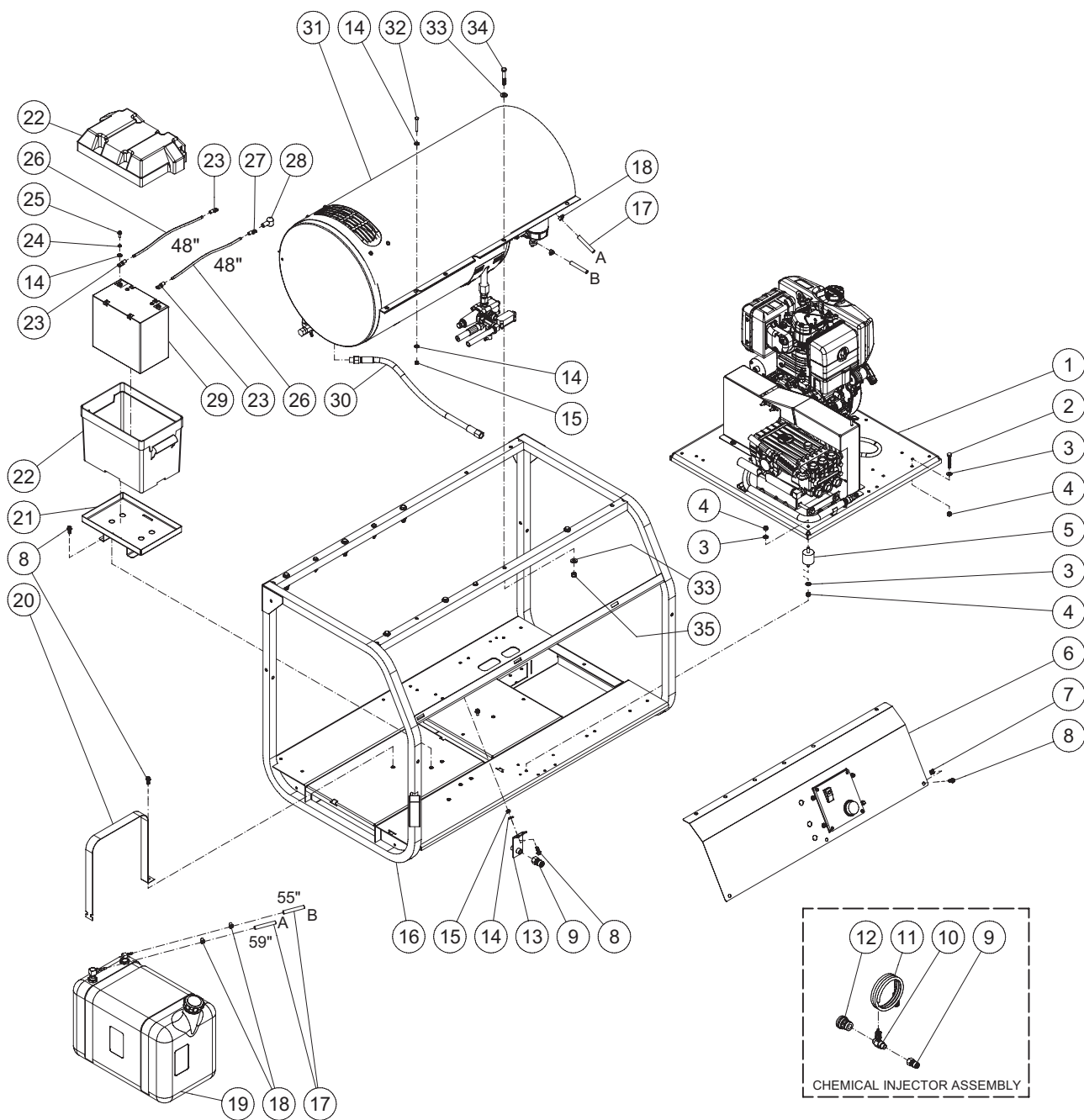


GH-3004-NYKD-P - DECAL PLACEMENT 081225

SAFETY DECAL PLACEMENT (AFTER SERIAL #15173115)

GH-3004-NYKD-P - DECAL PLACEMENT 081225			
SAFETY DECAL PLACEMENT			
ITEM	DESCRIPTION	PART #	QTY
1	DECAL - OPERATION (SEE 71-0030)	N/A	1
2	DECAL- STRIPES 17" W/ 3000 PSI	34-2578	1
3	DECAL - WARNING HOT SURFACES (SEE 71-0030)	N/A	1
4	DECAL - Mi-T-M	34-2170	1
5	DECAL - CONTROLS (SEE 71-0030)	N/A	1
6	DECAL - WARNINGS (SEE 71-0030)	N/A	1
7	DECAL - DIESEL ONLY (SEE 71-0030)	N/A	1
8	DECAL - GRAINGER 800# LARGE (SEE 71-0030)	N/A	1
9	DECAL - AGM BATTERY REQUIRED	34-4324	1
10	DECAL - RISK OF INJURY (SEE 71-0030)	N/A	1
11	DECAL - WARNING; RISK OF INJURY (SEE 71-0030)	N/A	1
12	DECAL - RISK OF BURNS (SEE 71-0030)	N/A	1
13	DECAL - RISK OF FIRE (SEE 71-0030)	N/A	1
-	DECAL SET	71-0030	1

HOT WATER UNIT ASSEMBLY (BEFORE SERIAL #15173115)



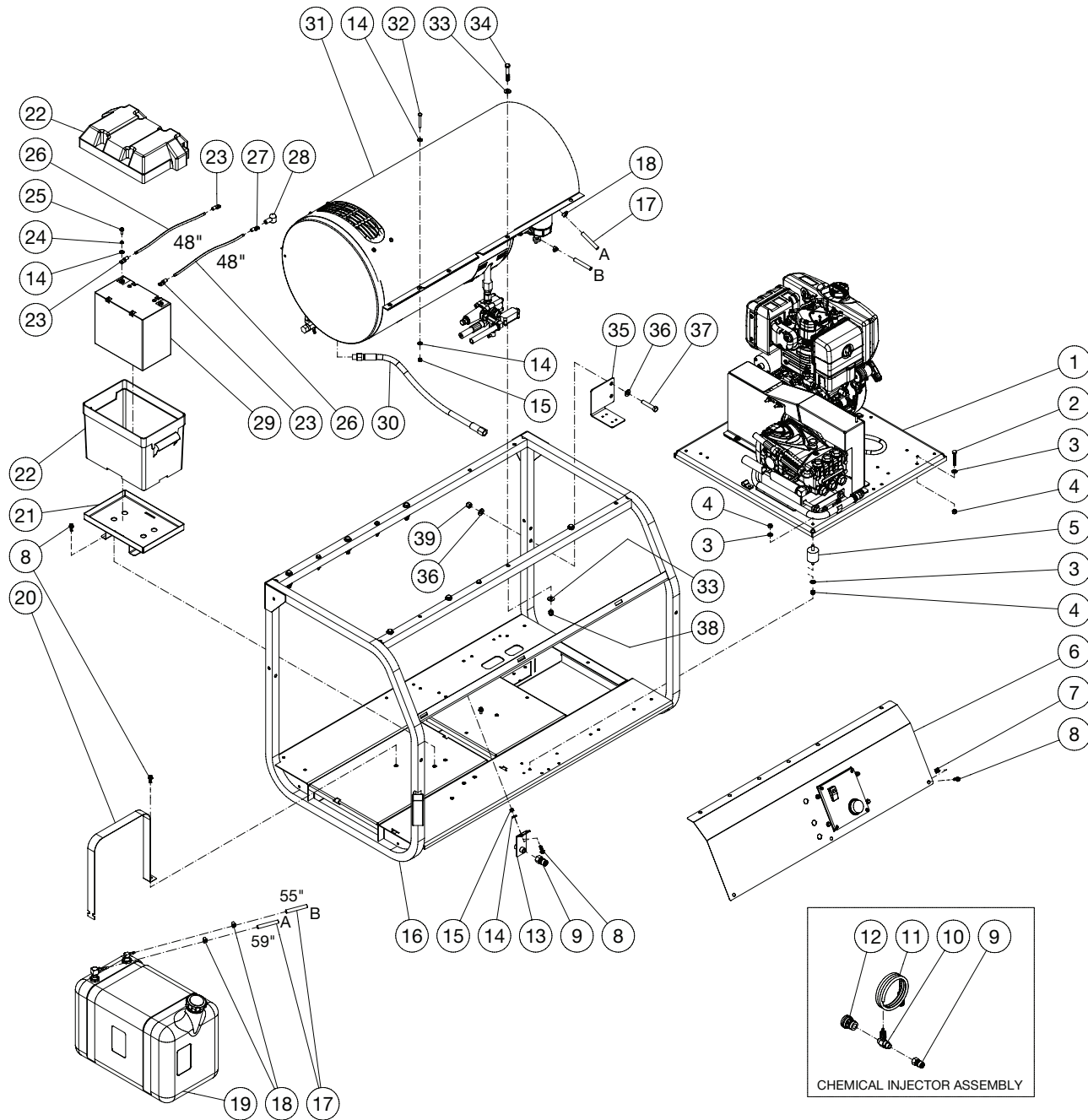
GH-3004-NYKD-P - HW UNIT ASSY 121322

For parts Call 888-279-9274

HOT WATER UNIT ASSEMBLY (BEFORE SERIAL #15173115)

GH-3004-NYKD-P - HW UNIT ASSY 121322			
HOT WATER UNIT ASSEMBLY			
ITEM	DESCRIPTION	Mi-T-M #	QTY
1	ISOLATION PLATE ASSEMBLY	N/A	1
2	BOLT	27-0071	2
3	WASHER	28-0003	18
4	LOCKNUT	30-0157	18
5	ISOLATOR	14-0110	8
6	CONTROL PANEL ASSEMBLY	N/A	1
7	CLIP NUT	30-6027	3
8	BOLT	27-1200	11
9	QUICK CONNECT PLUG	17-0081	2
10	CHEMICAL INJECTOR	50-0052	1
11	DETERGENT HOSE	19-0233	1
12	QUICK CONNECT	17-0082	1
13	WATER OUTLET BRACKET	20-1168A18	1
14	WASHER	28-0002	12
15	LOCKNUT	30-0155	6
16	HDD_HDB WHEEL KIT FRAME	5-9006	1
17	FUEL HOSE *(TEN FEET REQUIRED)	15-0008	1
18	CLAMP WORM	42-0004	4
19	BURNER FUEL TANK ASSEMBLY	N/A	1
20	FUEL TANK STRAP	20-1164A18	2
21	BATTERY TRAY	20-1135A18	1
22	BATTERY BOX	33-0093	1
23	TERMINAL RING	32-0097	3
24	LOCKWASHER	29-0006	2
25	BOLT	27-8001	2
26	CABLE *(EIGHT FEET REQUIRED)	32-0065	1
27	TERMINAL RING	32-0744	1
28	TERMINAL PROTECTOR	33-0508	1
29	BATTERY	32-0059	1
30	HIGH PRESSURE HOSE	15-0202	1
31	HEAT EXCHANGER ASSEMBLY	N/A	1
32	BOLT	27-0020	4
33	WASHER	28-0022	14
34	BOLT	27-0122	7
35	LOCKNUT	30-0159	7
*MUST ORDER IN ONE FOOT LENGTHS			

HOT WATER UNIT ASSEMBLY (AFTER SERIAL #15173115)



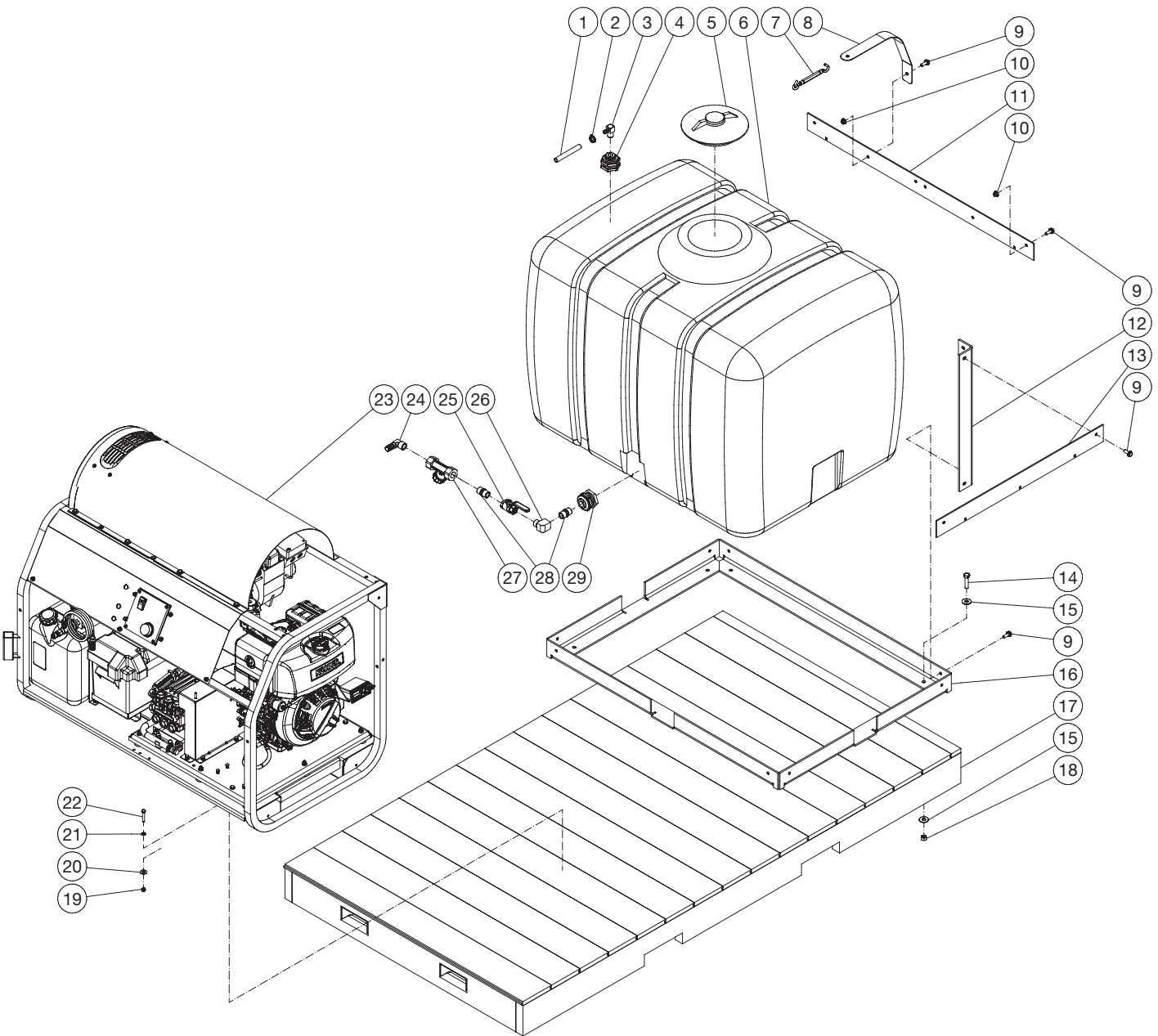
GH-3004-NYKD-P - HW UNIT ASSY 081225

For parts Call 888-279-9274

HOT WATER UNIT ASSEMBLY (AFTER SERIAL #15173115)

GH-3004-NYKD-P - HW UNIT ASSY 081225			
HOT WATER UNIT ASSEMBLY			
ITEM	DESCRIPTION	PART #	QTY
1	ISOLATION PLATE ASSEMBLY	N/A	1
2	BOLT	27-0071	2
3	WASHER	28-0003	18
4	LOCKNUT	30-0157	18
5	ISOLATOR	14-0110	8
6	CONTROL PANEL ASSEMBLY	N/A	1
7	CLIP NUT	30-6027	3
8	BOLT	27-1200	11
9	QUICK CONNECT PLUG	17-0081	2
10	CHEMICAL INJECTOR	50-0052	1
11	DETERGENT HOSE	19-0233	1
12	QUICK CONNECT	17-0082	1
13	WATER OUTLET BRACKET	20-1168A18	1
14	WASHER	28-0002	12
15	LOCKNUT	30-0155	6
16	HDD_HDB WHEEL KIT FRAME	5-9006	1
17	FUEL HOSE *(TEN FEET REQUIRED)	15-0008	1
18	CLAMP WORM	42-0004	4
19	BURNER FUEL TANK ASSEMBLY	N/A	1
20	FUEL TANK STRAP	20-1164A18	2
21	BATTERY TRAY	20-1135A18	1
22	BATTERY BOX	33-0093	1
23	TERMINAL RING	32-0097	3
24	LOCKWASHER	29-0006	2
25	BOLT	27-8001	2
26	CABLE *(EIGHT FEET REQUIRED)	32-0065	1
27	TERMINAL RING	32-0744	1
28	TERMINAL PROTECTOR	33-0508	1
29	BATTERY	32-0059	1
30	HIGH PRESSURE HOSE	15-0202	1
31	HEAT EXCHANGER ASSEMBLY	N/A	1
32	BOLT	27-0020	4
33	WASHER	28-0022	14
34	BOLT	27-0122	7
35	BRACKET	20-1750A18	1
36	WASHER	28-0005	4
37	BOLT	27-0171	2
38	LOCKNUT	30-0159	7
39	LOCKNUT	30-0161	2
*MUST ORDER IN ONE FOOT LENGTHS			

UNIT ASSEMBLY



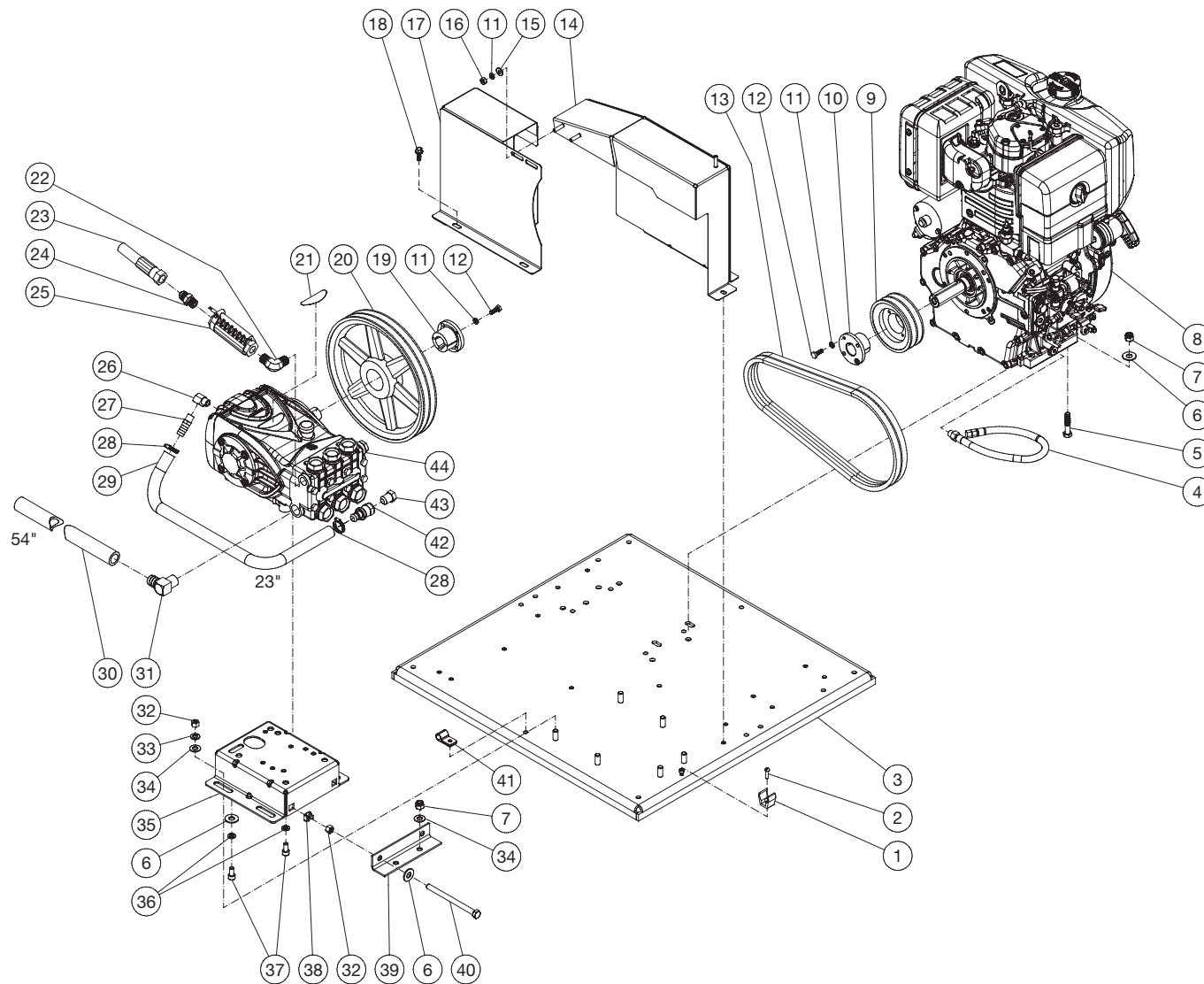
GH-3004-NYKD-P - UNIT ASSY 053121 JRC

UNIT ASSEMBLY

For parts Call 888-279-9274

GH-3004-NYKD-P - UNIT ASSY 053121 JRC			
UNIT ASSEMBLY			
ITEM	DESCRIPTION	PART #	QTY
1	HOSE *(FIVE FEET REQUIRED)	15-0007	1
2	HOSE CLAMP	42-0011	1
3	ELBOW	23-0053	1
4	BULKHEAD (INC. 25-0506 GASKET)	55-0886	1
5	LID	33-0492	1
6	TANK	12-0139	1
7	TURNBUCKLE	31-5035	2
8	TANK STRAPS	20-1154A18	4
9	BOLT	27-8923	20
10	NUT	30-3030	20
11	TOP RAIL	20-1045A18	2
12	CORNER BRACKET	20-1044A18	4
13	BRACE	20-1153A18	2
14	BOLT	27-0220	8
15	WASHER	28-0025	16
16	FRAME BASE	20-1151A18	1
17	PALLET	35-0112	1
18	NUT	30-0163	8
19	LOCKNUT	30-0157	8
20	WASHER	28-0023	8
21	WASHER	28-0002	8
22	BOLT	27-0070	8
23	GH-3004-NYKD-P - HW UNIT ASSY	N/A	1
24	HOSE BARB ELBOW	23-0482	1
25	BALL VALVE	22-0279	1
26	ELBOW	23-0081	1
27	INLET FILTER	19-0238	1
28	NIPPLE	23-0026	2
29	BULKHEAD	55-0010	1
*MUST ORDER IN ONE FOOT LENGTHS			

ISOLATION PLATE (BEFORE SERIAL #15173115)

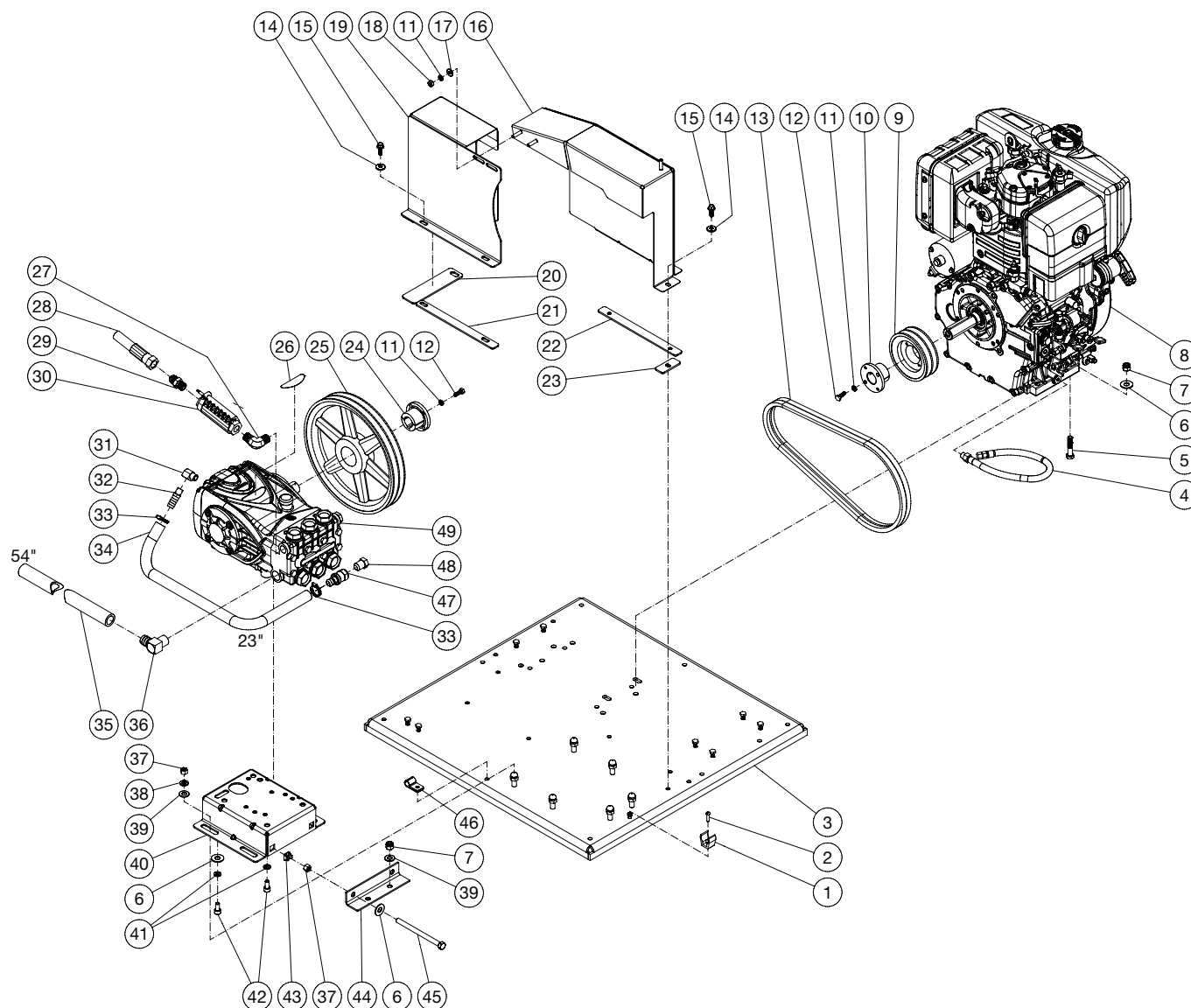


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ISOLATION PLATE (BEFORE SERIAL #15173115)

GH-3004-NYKD-P - ISO PLATE ASSY 062623			
ISOLATION PLATE ASSEMBLY			
ITEM	TITLE	PART #	QTY
1	HOSE CLIP	62-0209	1
2	SCREW	27-2811	1
3	ISOLATION PLATE	5-9005	1
4	HOSE	70-0380	1
5	BOLT	27-0120	4
6	WASHER	28-0023	7
7	LOCKNUT	30-0159	6
8	ENGINE	1-0217	1
9	SHEAVE	10-0025	1
10	BUSHING	9-0005	1
11	LOCKWASHER	29-0006	6
12	BOLT	27-0015	4
13	COG BELT AX38 (0H6G)	11-0007	2
14	PUMP BELTGUARD	6-0205A18	1
15	WASHER	28-0002	2
16	NUT	30-0002	2
17	ENGINE BELTGUARD	6-0147A18	1
18	BOLT	27-1200	6
19	BUSHING	9-0017	1
20	SHEAVE	10-0040	1
21	DECAL - PUMP (SEE 71-0030)	34-4184	1
22	ELBOW	24-0131	1
23	HIGH PRESSURE HOSE ASSEMBLY	15-0221	1
24	NIPPLE	24-0002	1
25	FLOW SWITCH	22-0428	1
26	ELBOW	23-0014	1
27	HOSE BARB	23-0120	1
28	HOSE CLAMP	42-0011	2
29	HOSE *(ONE FOOT REQUIRED)	15-0007	1
30	HOSE *(FIVE FEET REQUIRED)	15-0033	1
31	ELBOW	23-0037	1
32	NUT	30-0006	6
33	LOCKWASHER	29-0008	4
34	WASHER	28-0004	6
35	PUMP HAT	5-0153A18	1
36	LOCKWASHER	29-0054	4
37	BOLT	27-8884	4
38	CLIP NUT	30-6025	2
39	TENSION BRACKET	20-0584A18	1
40	BOLT	27-0133	2
41	CLIP	43-0003	1
42	HOSE BARB	23-0360	1
43	PLUG	23-0411	1
44	PUMP	3-0203	1
*MUJST ORDER IN ONE FOOT LENGTHS			

ISOLATION PLATE (AFTER SERIAL #15173115)



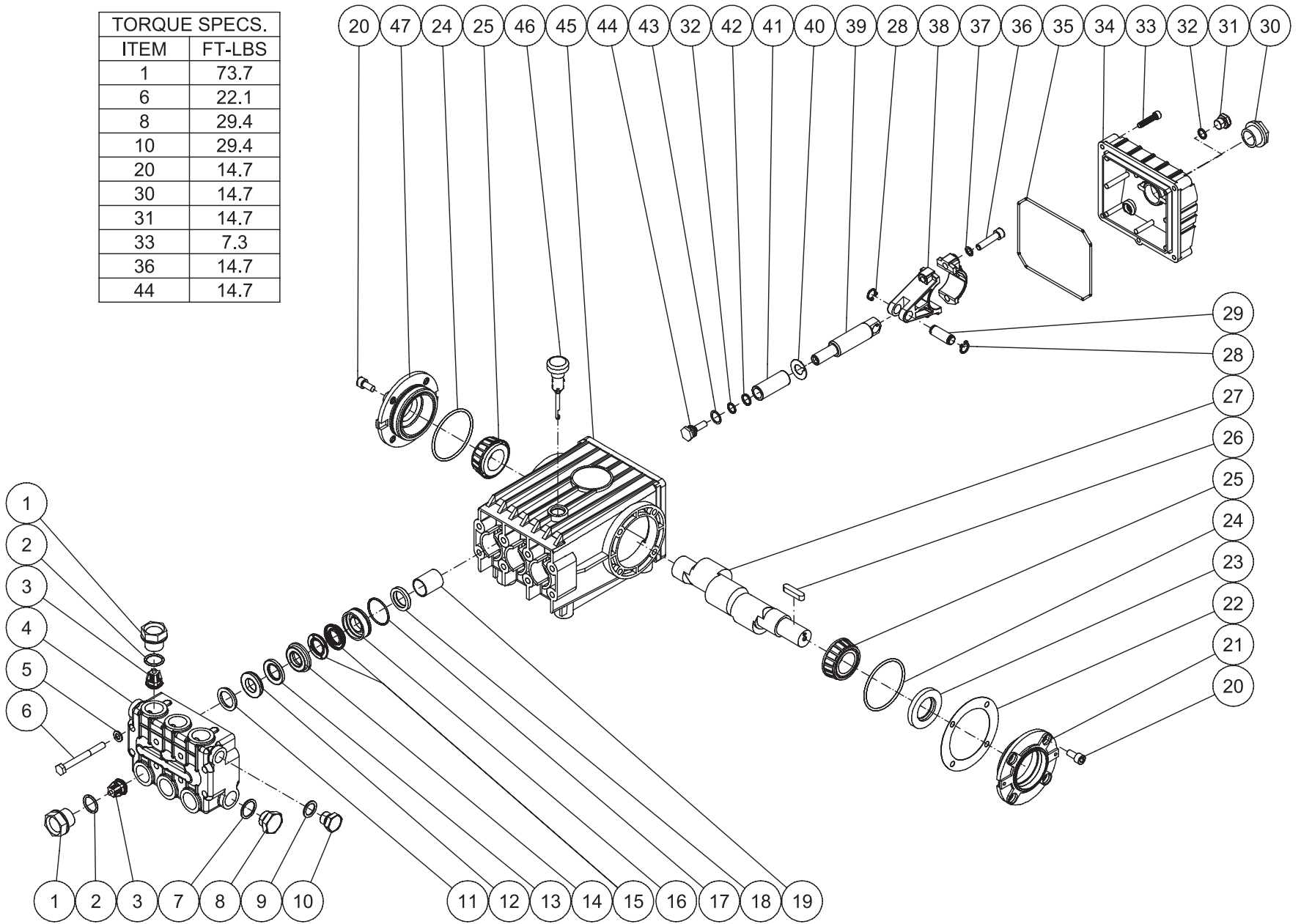
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ISOLATION PLATE (AFTER SERIAL #15173115)

ISOLATION PLATE								GH-3004-NYKD-P - ISO PLATE ASSY 081225	
ITEM	TITLE	PART #	QTY		ITEM	TITLE	PART #	QTY	
1	HOSE CLIP	62-0209	1		26	DECAL - PUMP (SEE 71-0030)	34-4184	1	
2	SCREW	27-2811	1		27	ELBOW	24-0131	1	
3	ISOLATION PLATE	5-9005	1		28	HIGH PRESSURE HOSE ASSEMBLY	15-0221	1	
4	HOSE	70-0380	1		29	NIPPLE	24-0002	1	
5	BOLT	27-0120	4		30	FLOW SWITCH	22-0428	1	
6	WASHER	28-0023	7		31	ELBOW	23-0014	1	
7	LOCKNUT	30-0159	6		32	HOSE BARB	23-0120	1	
8	ENGINE	1-0217	1		33	HOSE CLAMP	42-0011	2	
9	SHEAVE	10-0025	1		34	HOSE *(ONE FOOT REQUIRED)	15-0007	1	
10	BUSHING	9-0005	1		35	HOSE *(FIVE FEET REQUIRED)	15-0033	1	
11	LOCKWASHER	29-0006	6		36	ELBOW	23-0037	1	
12	BOLT	27-0015	4		37	NUT	30-0006	6	
13	COG BELT AX38	11-0007	2		38	LOCKWASHER	29-0008	4	
14	SEALING WASHER	28-1073	6		39	WASHER	28-0004	6	
15	BOLT	27-1200	6		40	PUMP HAT	5-0153A18	1	
16	PUMP BELTGUARD	6-0205A18	1		41	LOCKWASHER	29-0054	4	
17	WASHER	28-0002	2		42	BOLT	27-8884	4	
18	NUT	30-0002	2		43	CLIP NUT	30-6025	2	
19	ENGINE BELTGUARD	6-0147A18	1		44	TENSION BRACKET	20-0584A18	1	
20	RUBBER PAD	33-0681	1		45	BOLT	27-0133	2	
21	RUBBER PAD	33-0682	1		46	CLIP	43-0003	1	
22	RUBBER PAD	33-0683	1		47	HOSE BARB	23-0360	1	
23	RUBBER PAD	33-0680	1		48	PLUG	23-0411	1	
24	BUSHING	9-0017	1		49	PUMP	3-0203	1	
25	SHEAVE	10-0040	1	*MUST ORDER IN ONE FOOT LENGTHS					

PUMP ASSEMBLY (3-0203)

TORQUE SPECS.	
ITEM	FT-LBS
1	73.7
6	22.1
8	29.4
10	29.4
20	14.7
30	14.7
31	14.7
33	7.3
36	14.7
44	14.7



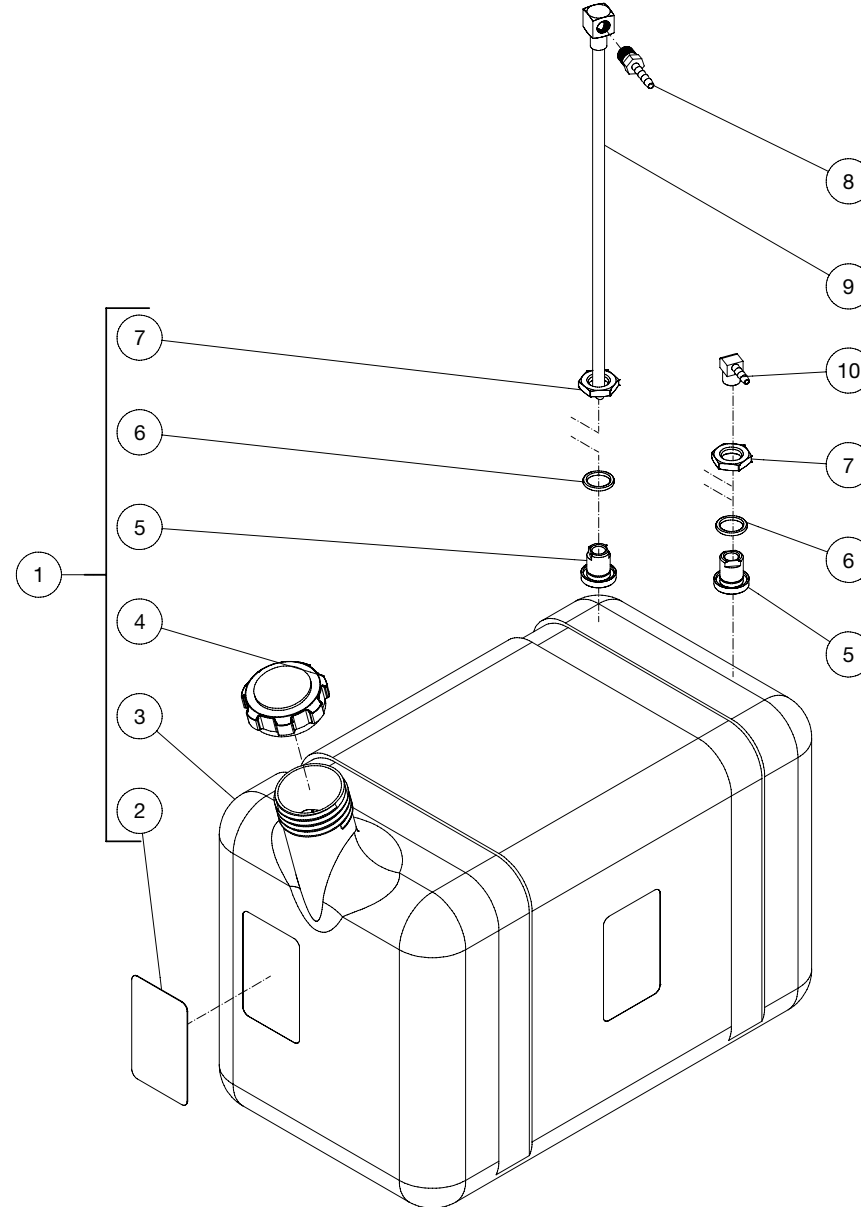
For parts Call 888-279-9274

PUMP ASSEMBLY (3-0203)

3-0202_3-0203-042914 CH							
PUMP ASSEMBLY							
ITEM	DESCRIPTION	PART #	QTY		ITEM	DESCRIPTION	PART # QTY
1	VALVE CAP	46-0889	6		25	BEARING	48-0012 2
2	O-RING	25-0012	6		26	KEY	43-0048 1
3	VALVE (SEE KIT 70-0009)	22-0056	6		27	CRANKSHAFT	46-0050 1
4	MANIFOLD	46-0890	1		28	RETAINING RING	46-0103 6
5	WASHER	28-1039	8		29	CONNECTING ROD PIN	43-0032 3
6	BOLT	27-8185	8		30	OIL LEVEL INDICATOR	46-0114 1
7	WASHER	28-1038	2		31	PLUG	39-0017 1
8	PLUG	39-0019	2		32	O-RING	25-0014 4
9	WASHER	28-1002	2		33	BOLT	27-8404 5
10	PLUG	39-0018	2		34	CRANKCASE OPEN COVER	46-0295 1
11	HEAD RING (SEE KIT 70-0030 AND 852-0122)	70-0030	3		35	O-RING	25-0339 1
12	V-PACKING SUPPORT (SEE KIT 70-0147 AND 852-0122)	26-0098	3		36	BOLT	27-8435 6
13	O-RING (SEE KIT 70-0147 AND 70-0148 AND 852-0122)	25-0207	3		37	LOCKWASHER	29-0154 6
14	HIGH PRESSURE INTERMEDIATE SEAL RETAINER (SEE KIT 70-0148)	46-0659	3		38	CONNECTING ROD	46-0051 3
15	PRESSURE SEAL (SEE KIT 70-0147 AND 852-0122)	26-0197	3		39	PISTON ROD	46-0056 3
16	LOW PRESSURE SEAL RETAINER	46-0057	3		40	SLINGER WASHER	46-0146 3
17	O-RING (SEE KIT 852-0122)	25-0015	3		41	PLUNGER	46-0052 3
18	OIL SEAL	26-0047	3		42	BACK-UP RING	46-0109 3
19	BUSHING	9-0029	3		43	WASHER	28-0400 3
20	BOLT	27-8431	8		44	NUT / PISTON	46-0069 3
21	CRANKCASE COVER	46-0296	1		45	CRANKCASE	46-0047 1
22	SHIM	46-0113	1		46	OIL DIP STICK	46-0144 1
23	OIL SEAL	26-0049	1		47	CRANKCASE COVER	46-0336 1
24	O-RING	25-0013	2				

REPLACEMENT KITS				
KIT#	DESCRIPTION	ITEMS	# OF ASSEMBLIES	# OF CYLINDERS
70-0009	VALVES	3	6	3
70-0030	HEAD RING	11	3	3
70-0147	V-PACKING	12, 13, 15	3	3
70-0148	INTERMEDIATE RETAINER	13, 14	3	3
852-0122	V-PACKING ASSY	11-13, 15, 17	3	3

BURNER FUEL TANK



BURNER FUEL TANK

For parts Call 888-279-9274

HDB_ HDD BURNER FUEL TANK ASSY 092818			
BURNER FUEL TANK ASSEMBLY			
ITEM	DESCRIPTION	PART #	QTY
1	FUEL TANK ASSY (INC 2-7)	850-0307	1
2	DECAL-CAUTION RISK OF FIRE (SEE 71-0034)	34-1034	1
3	FUEL TANK	N/A	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	BARB	23-0051	1
9	FUEL PICK-UP	33-0352	1
10	ELBOW	23-0054	1

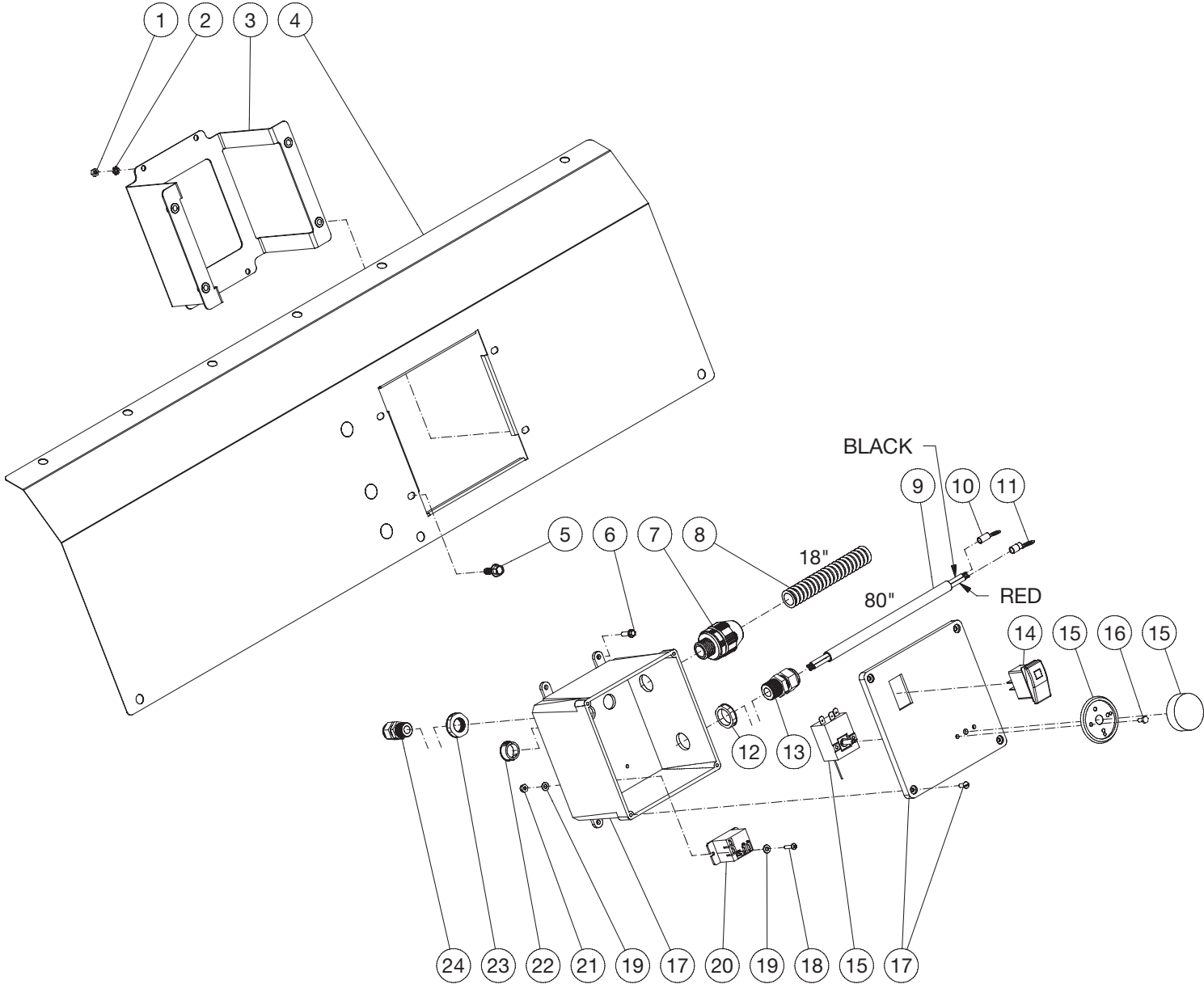
GH-3004-NYKD-P - CONTROL PANEL ASSY 051117 CH



CONTROL PANEL ASSEMBLY (BEFORE SERIAL #15157879)

GH-3004-NYKD-P CONTROL PANEL ASSY 051117 CH			
CONTROL PANEL			
ITEM	DESCRIPTION	PART #	QTY
1	NUT	30-6001	6
2	STAR WASHER	28-1009	6
3	E-BOX BRACKET	20-1162A18	1
4	CONTROL PANEL	20-1504A18	1
5	BOLT	27-9526	4
6	CONDUIT FITTING	32-0255	2
7	CONDUIT FLEX *(SIX FEET REQUIRED)	32-0253	1
8	ELECTRICAL BOX	32-1064	1
9	ROCKER SWITCH W/LAMP	32-0969	1
10	BOLT	27-8879	2
11	ADJUSTABLE THERMOSTAT	32-0962	1
12	SCREW	27-8912	2
13	RELAY CONTROL	32-0791	1
14	ELECTRICAL LOCKNUT	32-0587	3
15	STRAIN RELIEF	32-0586	3
16	BOLT	27-1200	4
*MUST ORDER IN ONE FOOT LENGTHS			

CONTROL PANEL ASSEMBLY (BETWEEN SERIAL #15157879 - #15173114)

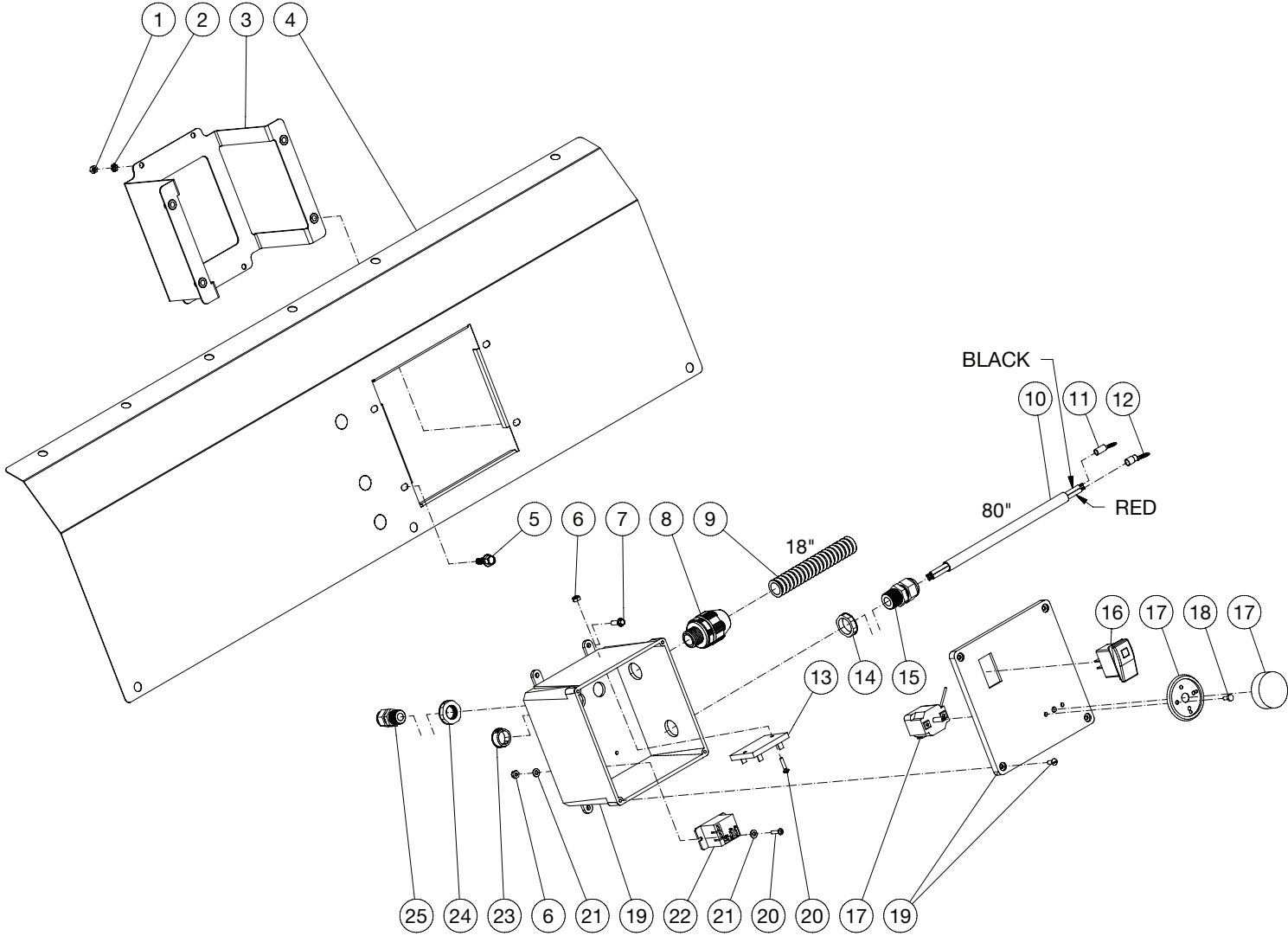


GH-3004-NYKD-P - CONTROL PANEL ASSY 110123

CONTROL PANEL ASSEMBLY (BETWEEN SERIAL #15157879 - #15173114)

GH-3004-NYKD-P - CONTROL PANEL ASSY 110123			
CONTROL PANEL ASSEMBLY			
ITEM	DESCRIPTION	Mi-T-M #	QTY
1	NUT	30-6001	4
2	STAR WASHER	28-1009	4
3	E-BOX BRACKET	20-1162A18	1
4	CONTROL PANEL	20-1504A18	1
5	BOLT	27-1200	4
6	BOLT	27-9526	4
7	CONDUIT FITTING	32-0255	1
8	CONDUIT FLEX 1/2" BLACK *(TWO FEET REQUIRED)	32-0253	1
9	CORD *(SEVEN FEET REQUIRED)	32-1226	1
10	TERMINAL RING	32-0639	1
11	TERMINAL RING	32-1138	1
12	ELECTRICAL LOCKNUT	32-0108	1
13	STRAIN RELIEF	32-0437	1
14	ROCKER SWITCH W/LAMP	32-0969	1
15	ADJUSTABLE THERMOSTAT	32-0734	1
16	BOLT	27-8879	2
17	ELECTRICAL BOX	32-1064	1
18	SCREW	27-8881	2
19	WASHER	28-0010	4
20	RELAY	32-1351	1
21	LOCKNUT	30-0152	2
22	BREAK-THRU PLUG	39-0424	1
23	ELECTRICAL LOCKNUT	32-0587	2
24	STRAIN RELIEF	32-0586	2
*MUST ORDER IN ONE FOOT LENGTHS			

CONTROL PANEL ASSEMBLY (AFTER SERIAL #15173115)

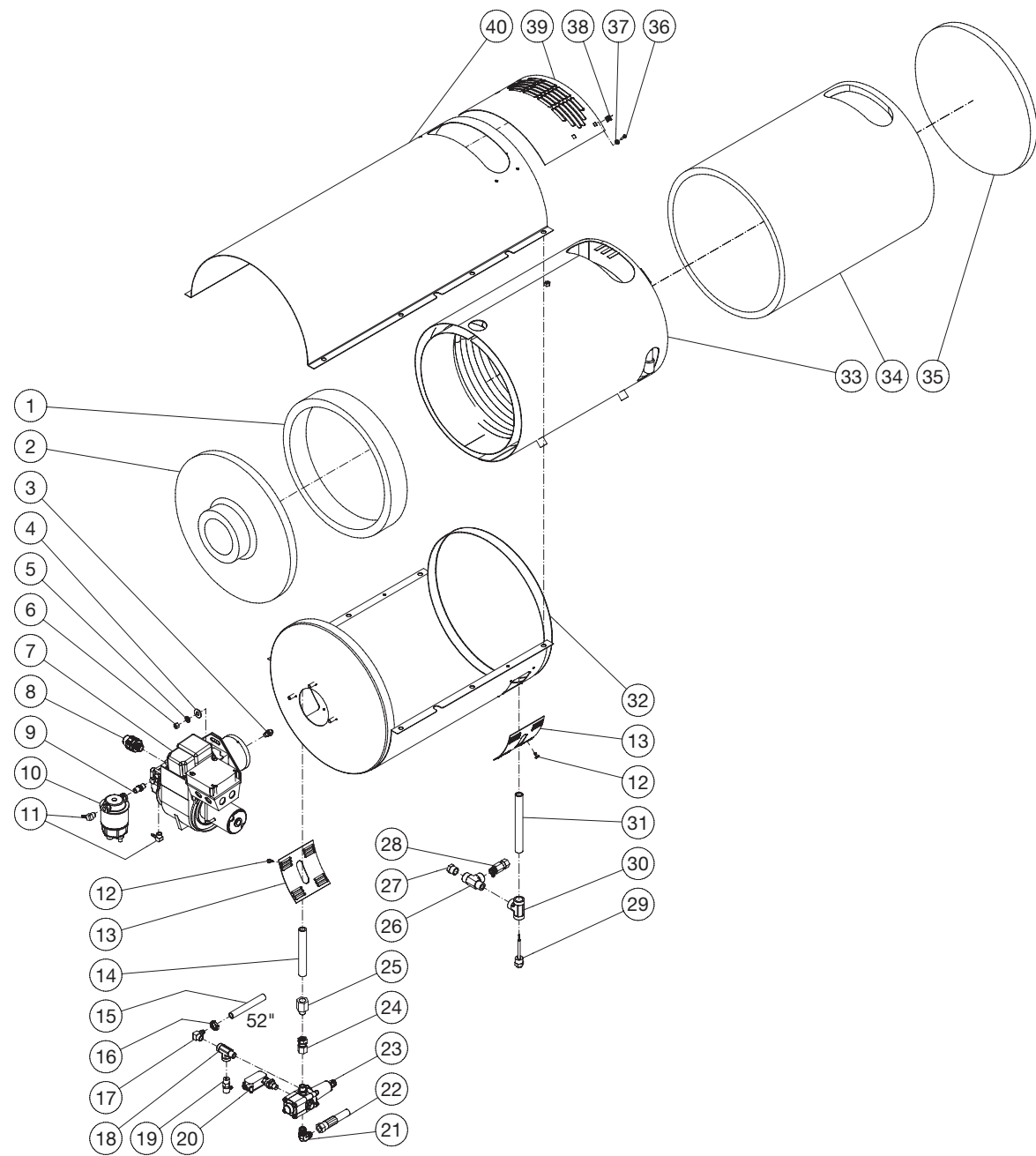


GH-3004-NYKD-P - CONTROL PANEL ASSY 081225

CONTROL PANEL ASSEMBLY (AFTER SERIAL #15173115)

GH-3004-NYKD-P - CONTROL PANEL ASSY 081225			
CONTROL PANEL ASSEMBLY			
ITEM	DESCRIPTION	PART #	QTY
1	NUT	30-6001	4
2	STAR WASHER	28-1009	4
3	E-BOX BRACKET	20-1162A18	1
4	CONTROL PANEL	20-1504A18	1
5	BOLT	27-1200	4
6	LOCKNUT	30-0152	4
7	BOLT	27-9526	4
8	CONDUIT FITTING	32-0255	1
9	CONDUIT FLEX 1/2" BLACK *(TWO FEET REQUIRED)	32-0253	1
10	CORD *(SEVEN REQUIRED)	32-1226	1
11	TERMINAL RING	32-0639	1
12	TERMINAL RING	32-1138	1
13	LOW VOLTAGE DISCONNECT	32-1395	1
14	ELECTRICAL LOCKNUT	32-0108	1
15	STRAIN RELIEF	32-0437	1
16	ROCKER SWITCH W/LAMP	32-0969	1
17	ADJUSTABLE THERMOSTAT	32-0734	1
18	BOLT	27-8879	2
19	ELECTRICAL BOX	32-1064	1
20	SCREW	27-8881	4
21	WASHER	28-0010	4
22	RELAY	32-1351	1
23	PLUG	39-0424	1
24	ELECTRICAL LOCKNUT	32-0587	2
25	STRAIN RELIEF	32-0586	2
*MUST ORDER IN ONE FOOT LENGTHS			

HEAT EXCHANGER ASSEMBLY



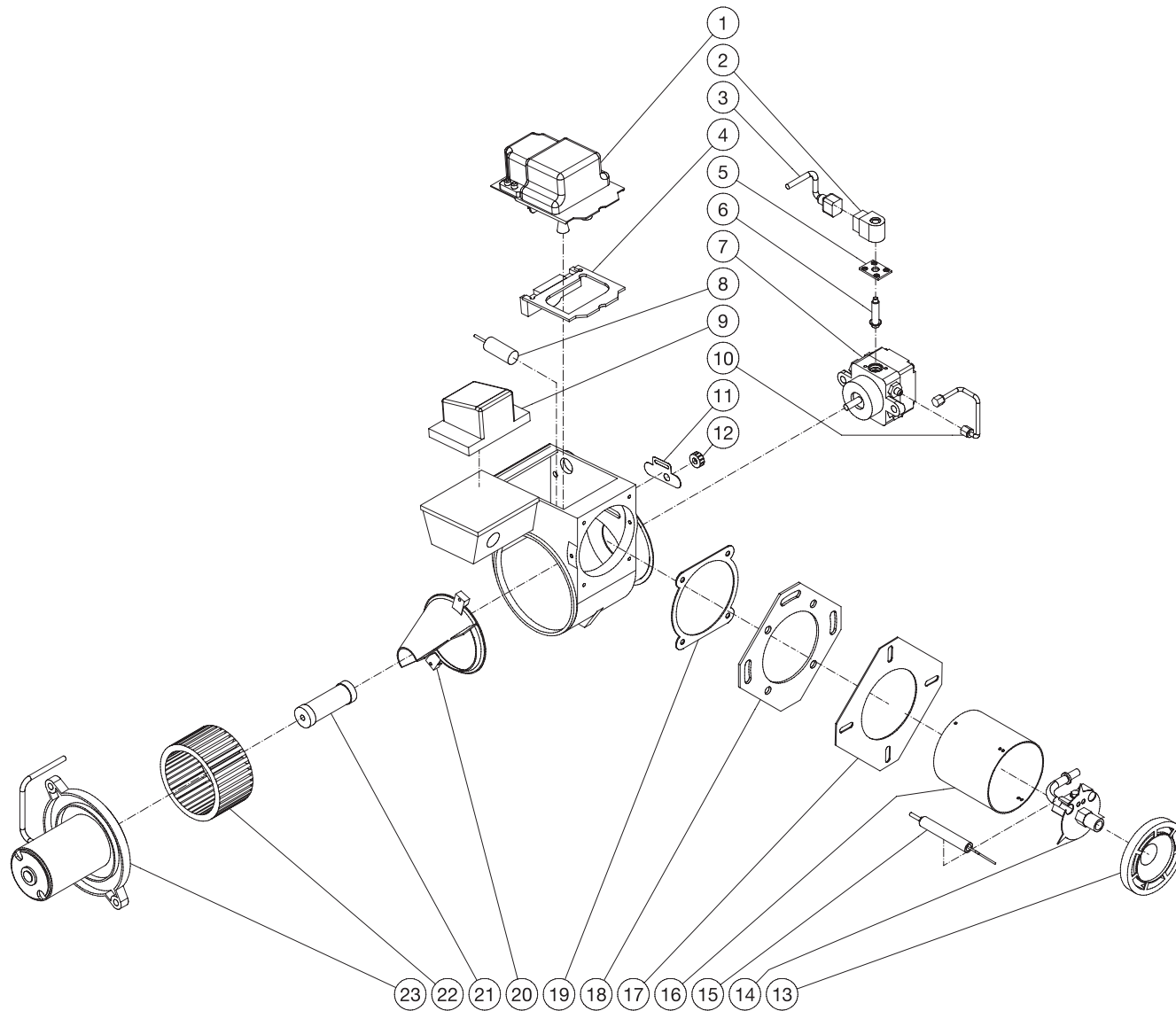
GH-3004-NYKD-P - HEAT EXCHANGER 053122 JRC

For parts Call 888-279-9274

HEAT EXCHANGER ASSEMBLY

GH-3004-NYKD-P - HEAT EXCHANGER 053122			
HEAT EXCHANGER			
ITEM	DESCRIPTION	PART #	QTY
1	INSULATION BLANKET	850-0314	1
2	INSULATION DRUM HEAD	33-0345	1
3	FUEL NOZZLE	18-0091	1
4	WASHER	28-0023	3
5	LOCKWASHER	29-0008	3
6	NUT	30-0006	3
7	BURNER	4-0035	1
8	CONDUIT FITTING	32-0255	1
9	NIPPLE	24-0145	1
10	FUEL FILTER / WATER SEPERATOR	19-0070	1
11	ELBOW	23-0054	2
12	BOLT	27-3062	8
13	PATCH PLATE	20-0537A18	2
14	PIPE NIPPLE	24-0254	1
15	HOSE *(FIVE FEET REQUIRED)	15-0007	1
16	HOSE CLAMP	42-0011	1
17	ELBOW	23-0050	1
18	STREET TEE	23-0058	1
19	HEAT DUMP VALVE	22-0432	1
20	PRESSURE SWITCH	22-0243	1
21	ELBOW	24-0092	1
22	HIGH PRESSURE HOSE ASSEMBLY	15-0221	1
23	UNLOADER	8-0012	1
24	SWIVEL	24-0016	1
25	ADAPTER	24-0052	1
26	STREET TEE	24-0242	1
27	REDUCER BUSHING	23-0016	1
28	SAFETY RELIEF VALVE	22-0309	1
29	ADJUSTABLE THERMOSTAT	32-0962	1
30	TEE	24-0055	1
31	PIPE NIPPLE	24-0255	1
32	BOTTOM WRAP	20-9059	1
33	COIL	66-0014	1
34	INSULATION BLANKET	850-0279	1
35	INSULATION DISC	33-0346	1
36	SCREW	27-8912	4
37	WASHER	28-0001	4
38	CLIP NUT	30-6028	4
39	EXHAUST PLATE	21-0138	1
40	TOP WRAP	20-9058	1
*MUST ORDER IN ONE FOOT LENGTHS			

BURNER ASSEMBLY (4-0035)



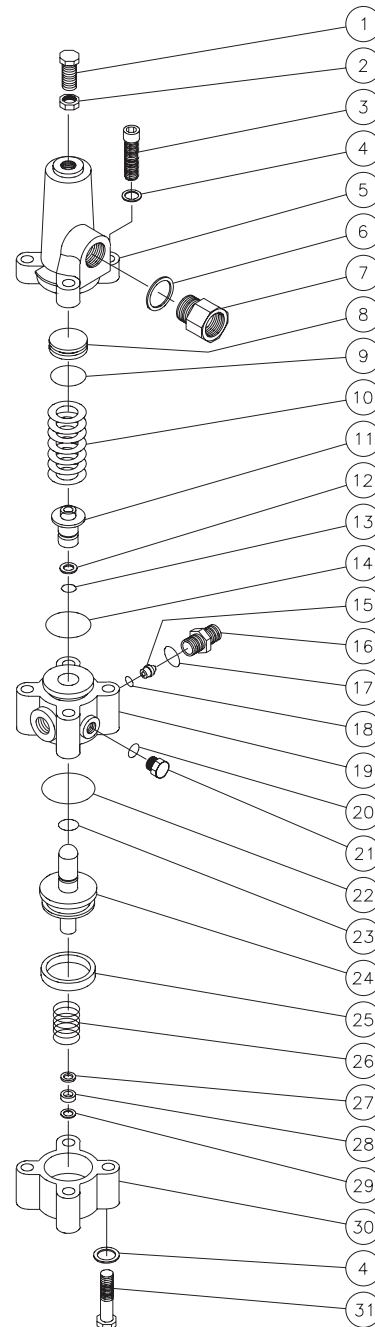
4-0035 072017 JVA

For parts Call 888-279-9274

BURNER ASSEMBLY (4-0035)

4-0035 072017 JVA			
BURNER ASSEMBLY			
ITEM	DESCRIPTION	PART #	QTY
1	IGNITOR ASSEMBLY	44-0125	1
2	SOLENOID COIL	46-1015	1
3	CORD SET	44-0122	1
4	GASKET KIT	70-0369	1
5	TUBE BASE PLATE	46-1004	1
6	SOLENOID PISTON	46-1012	1
7	FUEL PUMP	3-0434	1
8	BURNER CAD CELL DETECTOR	44-0048	1
9	BURNER CAD CELL	44-0168	1
10	CONNECT TUBE ASSEMBLY	44-0025	1
11	ESCUTCHEON PLATE	44-0031	1
12	NUT	44-0022	1
13	COMBUSTION HEAD	44-0011	1
14	NOZZLE LINE ASSEMBLY	44-0111	1
15	ELECTRODE	44-0114	2
16	AIR TUBE	44-0110	1
17	GASKET	44-0108	1
18	SQUARE GASKET FLANGE	44-0109	1
19	GASKET	26-0138	1
20	AIR GUIDE	44-0123	1
21	COUPLING	44-0127	1
22	BLOWER WHEEL	44-0124	1
23	MOTOR-12V	2-0139	1

UNLOADER ASSEMBLY (850-0304)

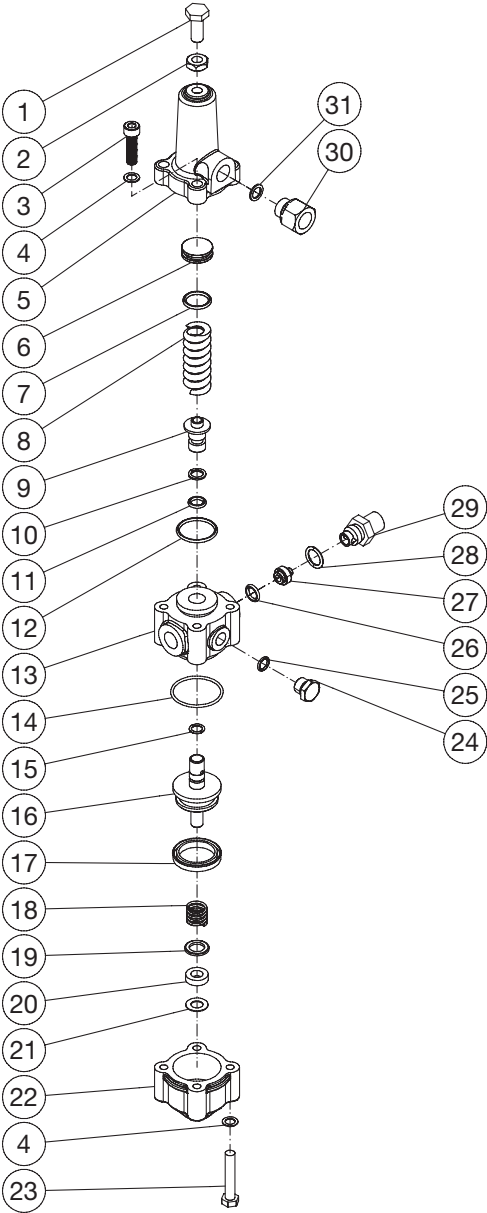


For parts Call 888-279-9274

UNLOADER ASSEMBLY (850-0304)

OMGEN066-850-0304_ HDB-3004-081303-KZ							
UNLOADER ASSEMBLY (850-0304)							
REF. #	DESCRIPTION	PART #	QTY.	REF. #	DESCRIPTION	PART #	QTY.
1	Bolt	27-8077	1	19	Middle Body	8-0137	1
2	Hex Nut	30-3010	1	20	O-ring	25-0114	2
3	Bolt	27-8434	4	21	Hex Plug	39-0017	2
4	Lockwasher	29-0154	8	22	O-ring	25-0056	1
5	Upper Body	8-0138	1	23	O-ring	25-0120	1
6	Washer	8-0277	1	24	Piston Assembly	8-0136	1
7	By-Pass Restrictor	8-0125	1	25	Seal	26-0104	1
8	Spring Guide	8-0135	1	26	Spring	49-0027	1
9	O-ring	25-0118	1	27	Washer	8-0139	1
10	Spring	49-0026	1	28	Seal	26-0105	1
11	Valve Seat	8-0145	1	29	Back-up Ring	8-0140	1
12	Back-up Ring	8-0141	1	30	Lower Body	8-0134	1
13	O-ring	25-0121	1	31	Bolt	27-8037	4
14	O-ring	25-0117	1		Unloader Repair Kit (Inc. 9, 11, 13, 14, 17, 18, 20, 22-26, 28, 29)	70-0013	
15	Flow Balancer (8-0012)	8-0126	1		Unloader Orifice Kit (Inc. 1 each of 7, 15, 16)	852-0014	
16	Nipple	8-0130	1		Unloader Orifice Kit (Inc. 1 each of 7, 15, 16)	852-0015	
17	O-ring	25-0052	1		Unloader Orifice Kit (Inc. 1 each of 7, 15, 16)	852-0017	
18	O-ring	25-0119	1		Unloader Orifice Kit (Inc. 1 each of 7, 15, 16)	852-0157	

UNLOADER (8-0012)



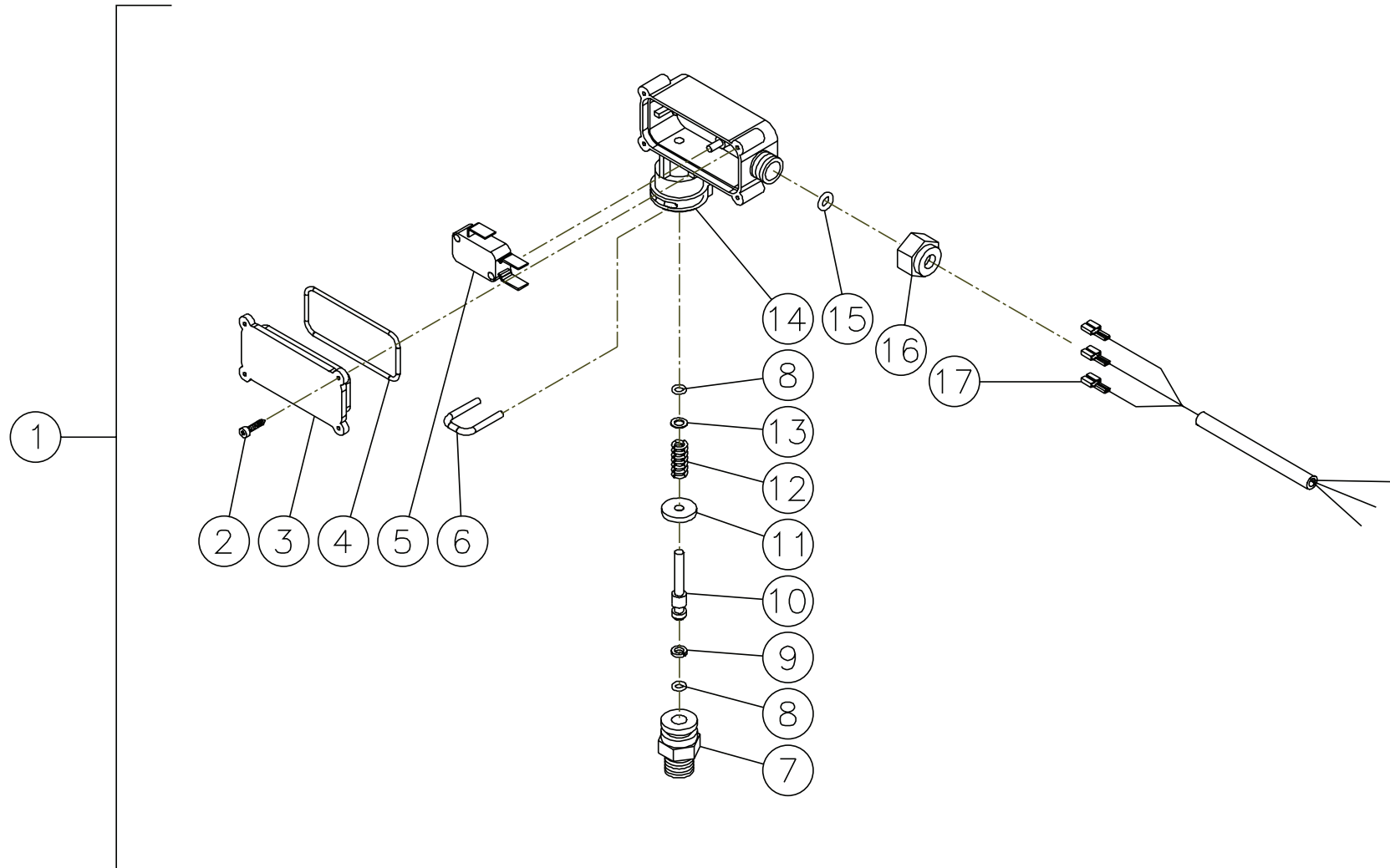
8-0012_13_14_44_850-0304 042125

UNLOADER (8-0012)

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

PRESSURE SWITCH (22-0243)

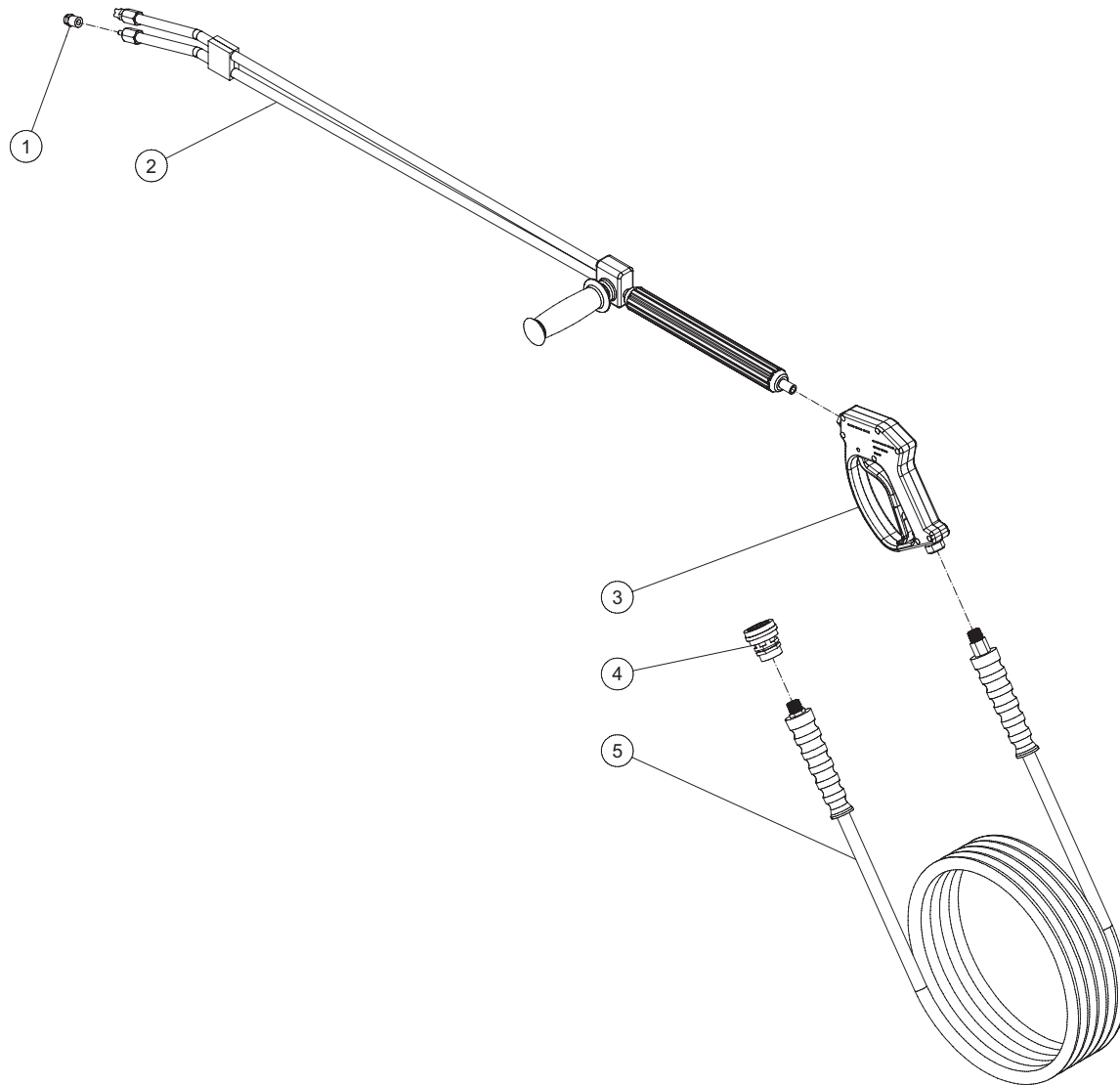


PRESSURE SWITCH (22-0243)

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

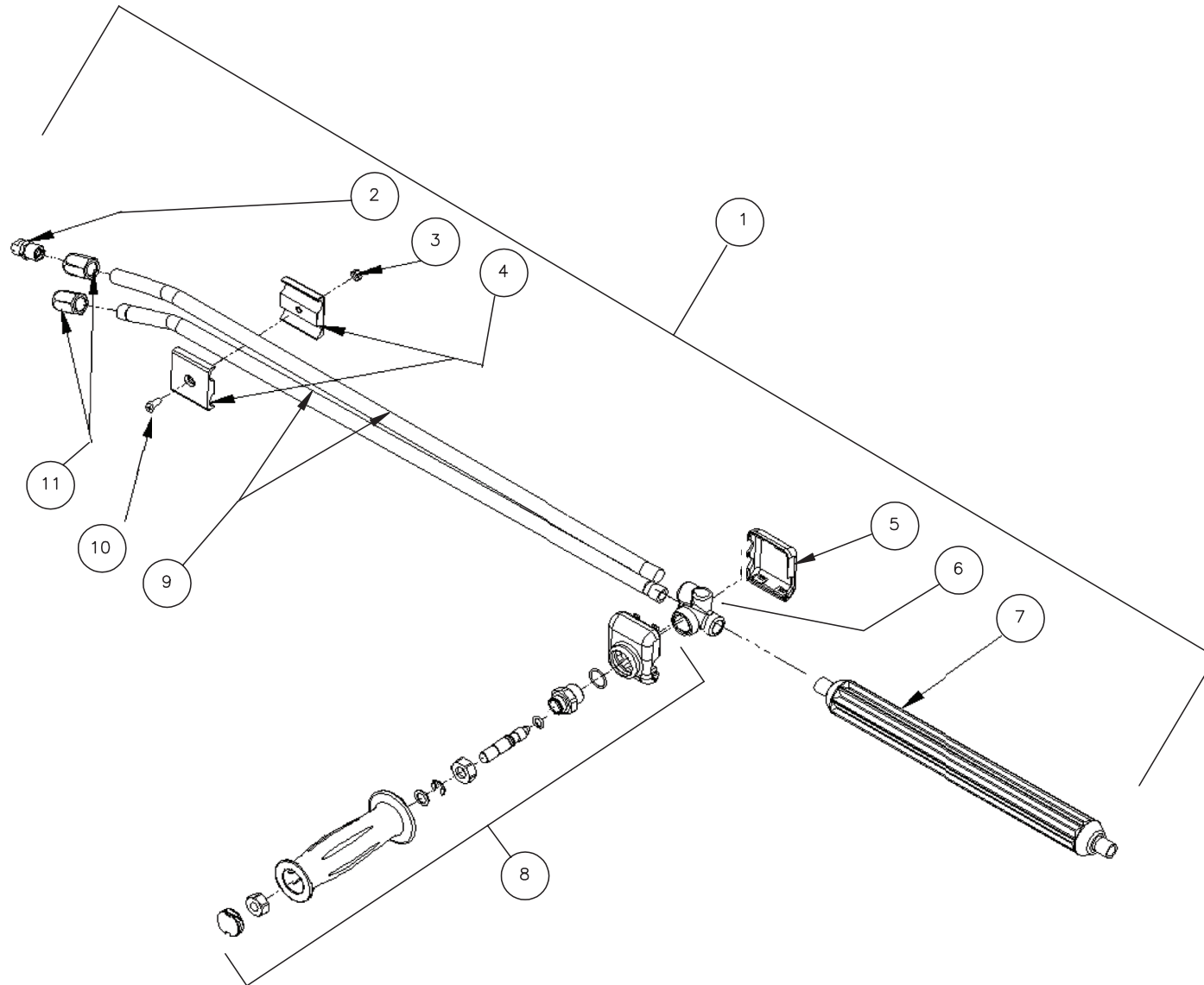


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GUN/WAND/HOSE ASSEMBLY

GH-3004-NYKD-P GUN WAND HOSE ASSY 052317 CH			
GUN / WAND / HOSE			
ITEM	DESCRIPTION	PART #	QTY
1	NOZZLE	18-0054	1
2	DUAL LANCE	16-0417	1
3	GUN	16-0446	1
4	QUICK CONNECT	17-0082	1
5	HOSE	15-0166	1

DUAL LANCE ASSEMBLY (16-0417)

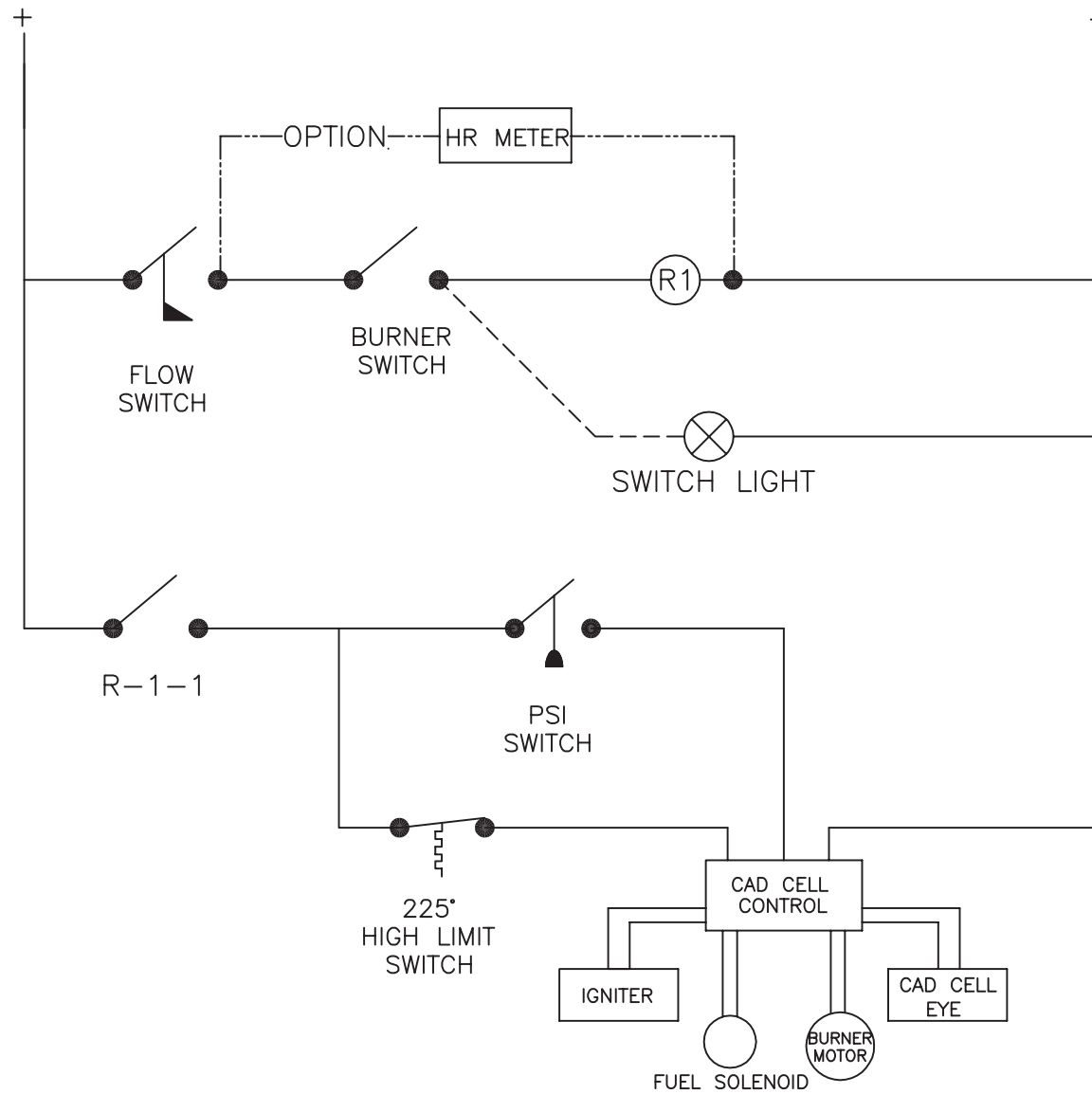


DUAL LANCE ASSEMBLY (16-0417)

16-0416_16-0417-102405-RZ

DUAL LANCE ASSEMBLY (16-0416 & 16-0417)			
REF. #	DESCRIPTION	PART #	QTY.
1	Dual Lance Assembly - 36" (Inc. 2-11)	16-0416	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 16-0416 or 16-0417)	N/A Sep.	1
6	Housing (See 16-0416 or 16-0417)	N/A Sep.	1
7	Lance	16-0419	1
8	Handle Repair Kit	70-0419	1
9	Lance (See 16-0416)	N/A Sep.	2
-	Lance (See 16-0417)	N/A Sep.	2
10	Screw	27-8196	1
11	Nozzle Adapter	24-0280	2

WIRING SCHEMATIC (BEFORE SERIAL #15157879)

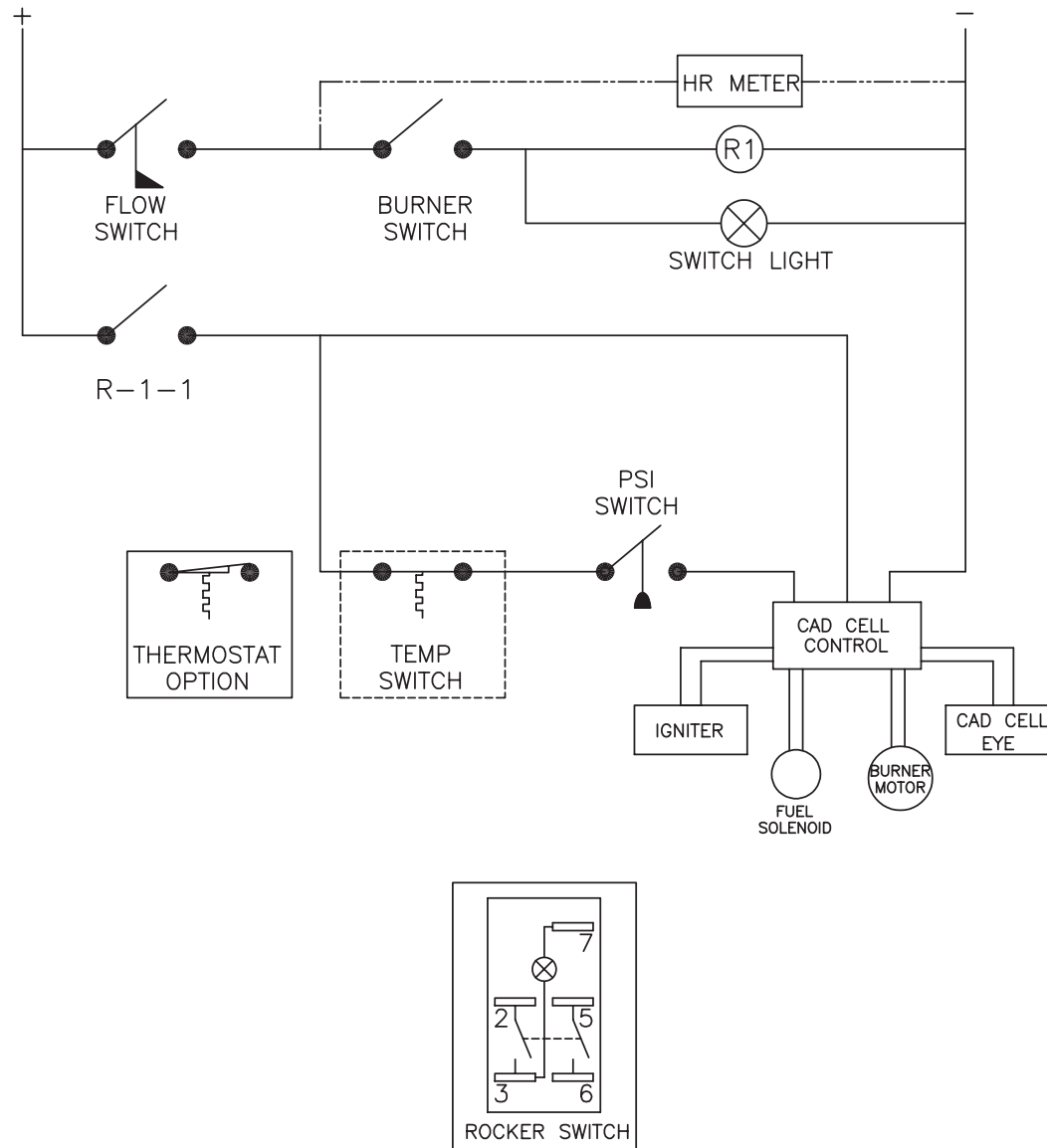


GH-3004-NYKD-P WIRING SCHEMATIC 041217

GH-3004-NYKD-P WIRING DIAGRAM 041217



WIRING SCHEMATIC (BETWEEN SERIAL #15157879 - #15173114)

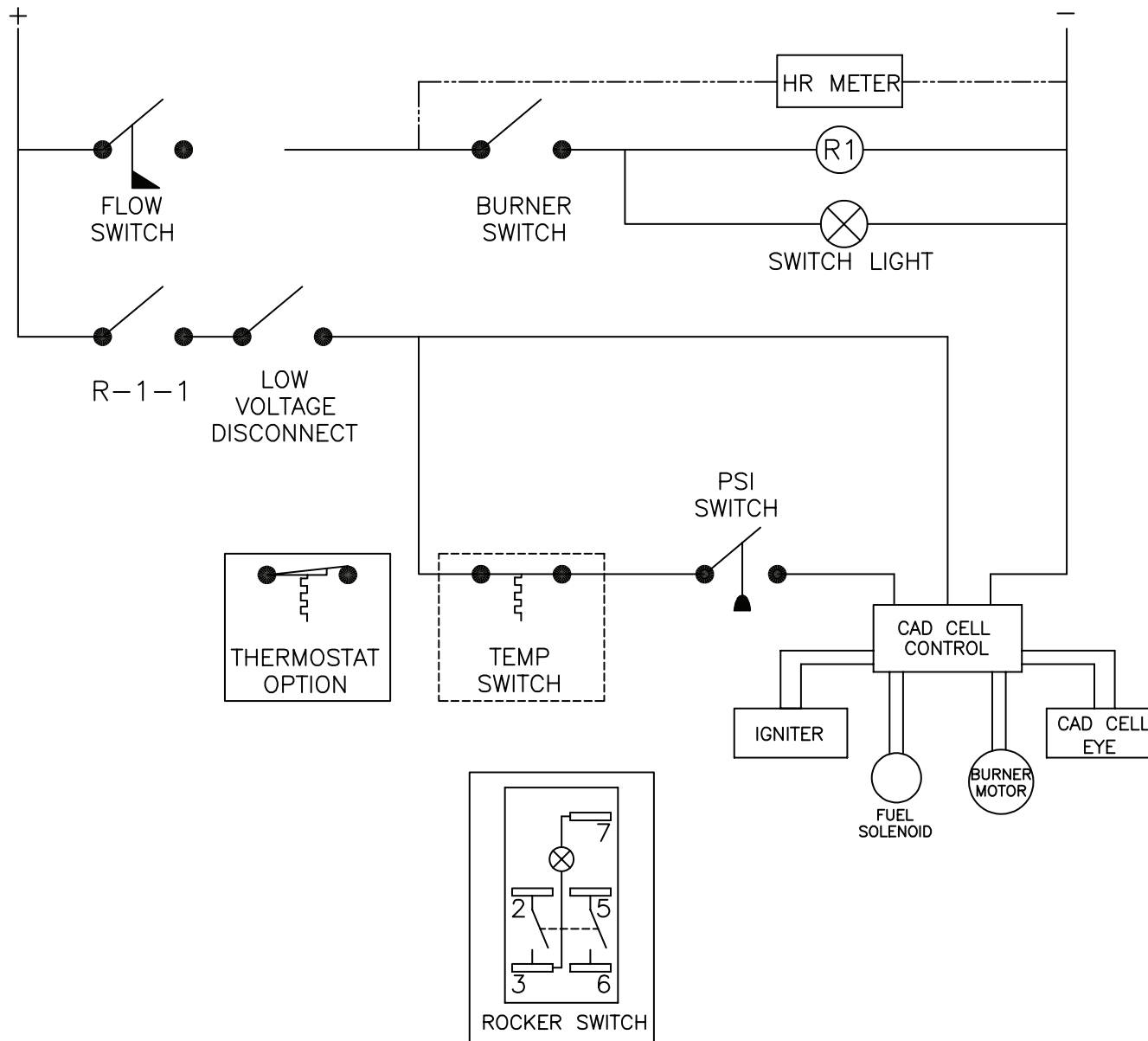


GH-3004-NYKD-P WIRING SCHEMATIC 032023

GH-3004-NYKD-P WIRING DIAGRAM 032023

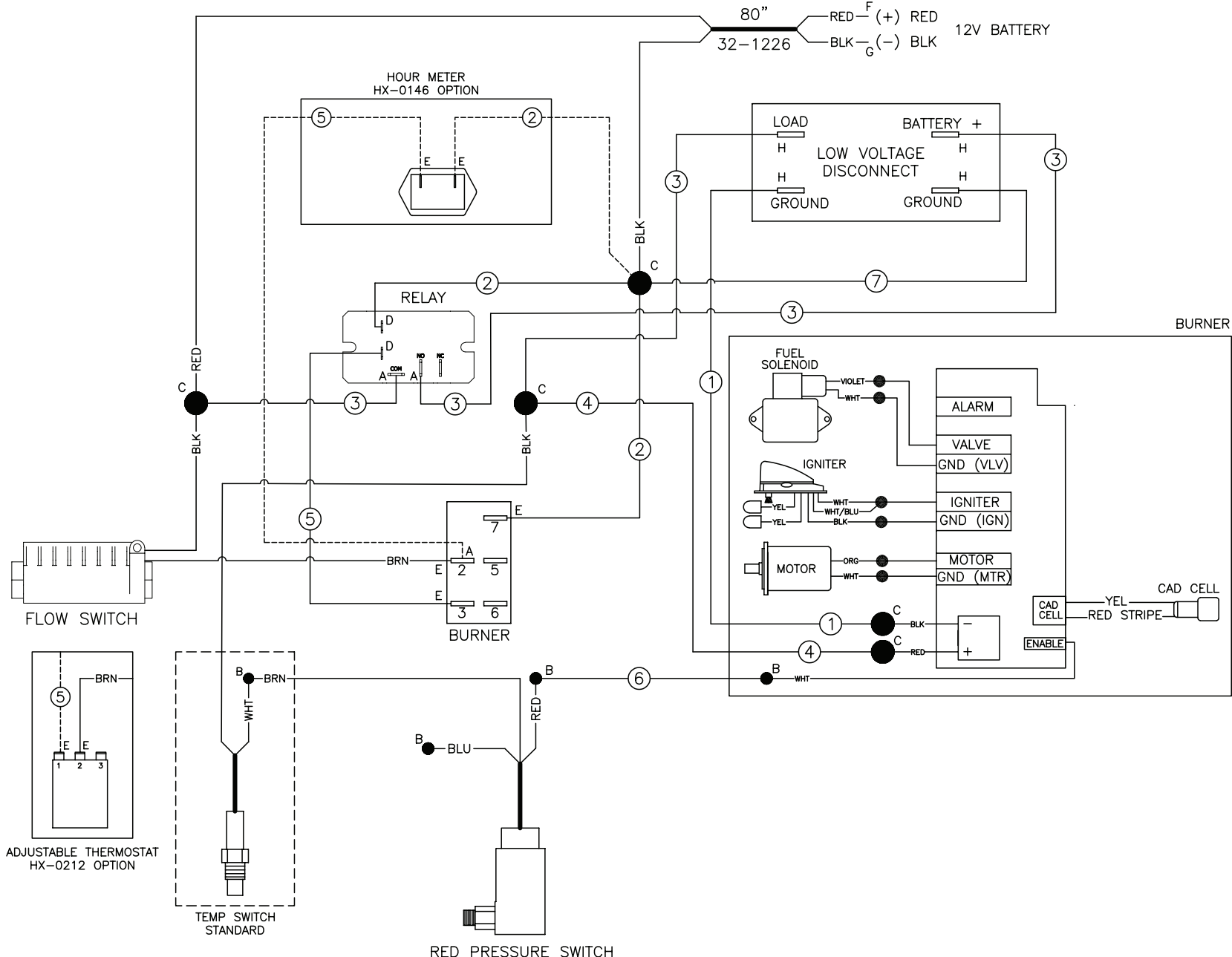


WIRING SCHEMATIC (AFTER SERIAL #15173115)



GH-3004-NYKD-P WIRING SCHEMATIC 081225

WIRING DIAGRAM (AFTER SERIAL #15173115)



GH-3004-NYKD-P WIRING DIAGRAM 081225

For parts Call 888-279-9274

Manufactured by Mi-T-M
50 Mi-T-M Drive, Peosta IA 52068
563-556-7484/ Fax 563-556-1235