

Hotsy Crossfire Burner



Crossfire oil burners offer performance reliability, and energy efficiency. With industry exclusive features that are easy to install and provide a durable, maintenance free package. Designed for the harsh environment of the pressure washer industry, these burners are built to provide years of trouble free service.

CROSSFIRE



- Suntec Fuel pumps
- Exceptional performance even at low fire
- Easy Service (simple adjustment and overall design)
- Solid State high output igniters
- Forged brass gun assembly with self aligning electrodes
- Water tight Electrical box with numbered terminal strip and wiring diagram for quick and easy installation
- Power and ignition indicator lights
- Die cast aluminum fan housing with slide in guide for forged brass gun assembly
- Sight glass for viewing spark, ignition and fan

Specifications:

Capacities:

.75 to 3.00 gph
75,000 to 960,000 BTU/hr input (M/L)
56,000 to 420,000 BTU/hr input (S)

Fuels:

Number 2 diesel, number 1 home heating fuel, Ultra low sulfur and kerosene.

Dimensions:

Height: 12.5" High; 15" Wide; 14" Deep (M/L)
11" High; 12.5" Wide; 9" Deep (S)

Electrical:

Motor: 3450 rpm, NEMA M-flange
Power Supply: 115V 1 ph 60Hz
230V 1 ph 60Hz
12VDC

Ignition: 10,000V 14kVpk, 35mA continuous duty shielded igniter

Operating Load:

115V - 5.8 amp M/L 2.8 amp S
230V - 2.8 amp M/L 2.5 amp S
12VDC - 11 amp M/L 10 amp S

Part No.Original No.	Description	Operating Voltage	Air Cone	Fuel Pump Solenoid Voltage
8.918-907.0	Vertical Burner S	120V	F6	120V
8.918-908.0	Vertical Burner S	120V	F22	120V
8.918-909.0	Vertical Burner S	230V	F22	230V
8.918-910.0	Vertical Burner S	12V	F12	12-24V
8.918-911.0	Vertical Burner S	12V	F22	12-24V
8.918-912.0	Vertical Burner S	230V	F22	24V
8.920-645.0	Vertical Burner M/L	120V	F22	120V
8.920-646.0	Vertical Burner M/L	230V	F22	12-24V
8.920-647.0	Vertical Burner M/L	230V	F22	12-24V
8.920-648.0	Vertical Burner M/L	230V	F22	12-24V
8.920-649.0	Vertical Burner M/L	120V	F22	120V
8.920-650.0	Vertical Burner M/L	230V	F310	120V
8.920-651.0	Vertical Burner M/L	230V	F310	120V
8.920-960.0	Vertical Burner M/L	120V	F310	120V
8.920-961.0	Vertical Burner M/L	12VDC	F22	12-24V
8.920-962.0	Vertical Burner M/L	12VDC	F22	12-24V

Replacement Parts

8.918-050.0	Burner Housing Assembly - S
8.752-865.0	Burner Housing Assembly - M/L
8.700-758.0	Suntec Fuel Pump, 12-24V Sol
8.700-759.0	Suntec Fuel Pump, 120V Sol
8.700-760.0	Suntec Fuel Pump, 230V Sol
8.750-517.0	Burner Motor, 1/6 HP, 115V - S
8.750-518.0	Burner Motor, 1/6 HP, 230V - M/L
8.751-074.0	Burner Motor, 1/7 HP, 12VDC, Ametek
8.752-930.0	Burner Motor, 1/4 HP, 115V w/cap - M/L
8.752-931.0	Burner Motor, 1/4 HP, 230V w/cap - M/L
8.752-933.0	Burner Motor, 1/5 HP, 13.5 VDC - M/L
8.752-932.0	Burner Motor, 1/7 HP, 115V - M/L
8.752-054.0	Burner Motor, 1/7 HP, 230V - M/L
8.750-543.0	Flex Coupling, 1/2" x 5/16"
8.750-073.0	Flex Coupling, 5/16" x 5/16"
8.753-061.0	Flex Coupling, 1/2" x 5/16" x 3 7/8"L
8.753-062.0	Flex Coupling, 5/16" x 5/16" x 3 7/8"L

Replacement Parts, continued

8.750-520.0	Fan, 1/2 Bore - S
8.751-072.0	Fan, 5/16" Bore - S
8.752-928.0	Fan, 6.25 x 4.25 x 1/2 Bore - M/L
8.752-929.0	Fan, 6.25 x 4.25 x .313 Bore - M/L
8.750-547.0	Connector, 37 Degree Flare, 1/8" NPT, Long
8.750-545.0	Connector, 37 Degree Flare, 1/8" NPT
8.749-000.0	Fuel Line Assembly - S
8.752-934.0	Fuel Line Assembly - M
8.753-055.0	Fuel Line Assembly - L
8.750-539.0	Gasket, flange
8.750-526.0	Gun, Electrode / Nozzle, 3"
8.750-525.0	Gun, Electrode / Nozzle, 1"
8.750-778.0	Electrode Ignition
8.919-114.0	Burner Ignitor, 120V
8.919-115.0	Burner Ignitor, 230V
8.919-116.0	Burner Ignitor, 12VDC
8.918-454.0	Junction Box Gasket - S
8.752-922.0	Junction Box Gasket - M/L
8.920-654.0	Junction Box Cover - M/L
8.750-542.0	Junction Box Cover - S
8.751-342.0	Electrode, Ignition, DC
8.750-762.0	Coil, Solenoid, 230V - S
8.750-763.0	Coil, Solenoid, 115V - S
8.750-764.0	Coil, Solenoid, 12-24V - S
9.802-640.0	Coil, Solenoid, 120V - M/L
9.802-641.0	Coil, Solenoid, 230V - M/L
8.700-794.0	Coil, Solenoid, 12-24V - M/L

115/230 Volt Oil Burners



- .4 to 3 GPH firing rate
- 6-1/4" Blower fan 115V and 230V
- 3450 RPM Pump/blower motor
- Solid state ignition
- Beckett "CleanCut" fuel pump with oil valve
- Air tube 2-3/4"
- UL recognized

Part No.	Original No.	Description
8.709-325.0	307032	Beckett AFG 115
8.709-326.0	307036	Beckett AFG 230

Beckett Burner Chart

BURNER				MOTOR			BLOWER WHEEL			IGNITOR ASSEMBLY		
Part No	Orig. No	Description	Becket No	Part No	Orig. No	Becket No	Part No	Orig. No	Becket No	Part No	Orig. No	Becket No
8.709-326.0	307036	AFG / 240Vac	VMG202	9.802-635.0	079608	21174U	9.802-649.0	079517	2999U	9.802-661.0	079668	21175U*
8.709-325.0	307032	AFG / 120Vac	VMG902	9.802-642.0	079602	21805U	9.802-649.0	079517	2999U	9.802-647.0	079669	51771U
8.709-327.0	307059	ADC / 13.5Vdc- W/O ICB*	VMG504	9.802-638.0	079613	21699UF	9.802-636.0	079518	21404U	8.701-131.0	079671	51777U
8.709-328.0	307061	ADC / 13.5Vdc- W/ICB	VMG505	9.802-638.0	079613	21699UF	9.802-636.0	079518	21404U	9.802-663.0	079670	51778U
8.717-071.0	N/A	SM / 120V	HO1501	8.701-090.0	079604	2364U	9.803-057.0	079515	2383U	9.803-060.0	079682	51824U
8.717-090.0	N/A	SM / 240V	HO1301	8.701-093.0	079609	21344U	9.803-057.0	079515	2383U	9.803-055.0	079665	21176U**

BURNER				FUEL PUMP			SOLENOID W/CORD SET			TUNE UP KIT		
Part No	Orig. No	Description	Becket No	Part No	Orig. No	Becket No	Part No	Orig. No	Becket No	Part No	Orig. No	Becket No
8.709-326.0	307036	AFG / 240Vac	VMG202	9.802-644.0	079642	2184403U	8.900-082.0	079054X	N/A	8.723-715.0	N/A	578730
8.709-325.0	307032	AFG / 120Vac	VMG902	9.802-645.0	079641	2184405U	8.900-081.0	079053X	N/A	8.723-715.0	N/A	578730
8.709-327.0	307059	ADC / 13.5Vdc- W/O ICB*	VMG504	9.802-562.0	079643	2184402U	8.900-080.0	079050X	N/A	8.723-715.0	N/A	578730
8.709-328.0	307061	ADC / 13.5Vdc- W/ICB	VMG505	9.802-562.0	079643	2184402U	8.900-080.0	079050X	N/A	8.723-715.0	N/A	578730
8.717-071.0	N/A	SM / 120V	HO1501	9.802-645.0	079641	2184405U	8.900-081.0	079053X	N/A	8.723-715.0	N/A	578730
8.717-090.0	N/A	SM / 240V	HO1301	9.802-644.0	079642	2184403U	8.900-082.0	079054X	N/A	8.723-715.0	N/A	578730

* Ignition Control Board ** Old iron core transformer

14 Volt ADC Oil Burner



- 14 Volt solid state ignition
- 1/6 HP
- 3450 RPM
- 4-1/4" Fan
- Beckett "CleanCut" fuel pump with oil valve
- Max rate 2.5 GPH

Part No.	Original No.	Description	Oil Valve	Electric Eye	Motor RPM
8.709-327.0	307059	Beckett 13.5V	Yes	-	3450
8.709-328.0	307061	Beckett 13.5V	Yes	Yes	3450

NOTE: Proper operation requires an engine with 16+ Amp alternator and deep cycle battery on nightly, overnight recharge

Flex Couplings



Part No.	Orig. No.	Beckett Part No.	Description
9.802-648.0	825831	2454	5/16 "A"- (AFG)
9.803-058.0	848609	2433	5/16 "S"- (SF/SM)
9.802-637.0	630730	21405	12 - VDC ADC

Beckett Misc. Parts



Part No.	Original No.	Beckett Part No.	Description
8.701-056.0	079530	149	Electrode Clamps (ALL)
8.701-063.0	079542	5432	Flange, w/ Gasket (ALL)
8.723-912.0	079543	5850	Flange, Split Uni A&S
8.701-070.0	079560	3616	Gasket, Universal AMF
9.802-653.0	079562	3416	Gasket, Unit Mtg
9.802-671.0	079592	5877	Burner Housing AFG/ADC
8.701-085.0	079595	5717 (51400)	Knurled Nut Kit ADC
8.701-134.0	079677	51304	Transf Mtg Gasket AFG
8.701-132.0	079674	31404	Transformer Clip
8.701-122.0	079654	7006U	Cadcell Flame det
8.701-137.0	079684	7556A0000	Primary Control, 14V DC
8.701-133.0	079675	3245	Transformer Spring
8.701-106.0	079629	AF90	Air Tube w/o Head
8.701-074.0	079573	5151501	Air Band (3 x 92 AFG)

Oil Burners



115 / 230 Volt

- .75 to 3 GPH firing rates
- Solid state ignition (Low Amp)
- High volume 6-1/4" blower on 220V unit, 5-3/16" blower on 110V unit
- 3450 RPM pump/blower motor
- "A" – type SUNTEC fuel pump
- 3-3/4" air tube with adjustable flange for maximum versatility
- UL recognized



12 Volt

- 12 Volt solid state ignitor
- 3450 RPM fuel pump
- .5 to 2.75 GPH Capacity with oil valve



Part No.	Original No.	Description
8.709-317.0	307000	115V AC Burner w/ Oil Valve
8.709-318.0	307003	230V AC Burner w/ Oil Valve
8.709-319.0	307007*	12V DC Burner w/ Oil Valve

*Proper operation requires an engine with 16+ Amp alternator and deep cycle battery on nightly, overnight recharge

Wayne Burner Chart

Part No.	Description	Ignitor	Transformer	Motor	Blower Wheel	Fuel Pump	Solenoid Valve	Electrode Assembly	Tune Up Kit
8.709-317.0	Wayne 115V	8.700-802.0 079111	8.700-804.0 079115	8.701-095.0 079612	8.700-730.0 079005	8.700-749.0 079030	8.700-779.0 079062	8.700-770.0 079052	8.700-774.0 079056
8.709-318.0	Wayne 220V	N/A N/A	8.700-809.0 079123	8.701-094.0 079611	8.700-731.0 079006	8.700-749.0 079030	8.700-780.0 079063	8.700-770.0 079052	8.700-774.0 079056
8.709-319.0	Wayne 12V	8.700-807.0 079120 Includes	N/A N/A	8.700-739.0-FASCO 079021 8.700-740.0-MET to FASCO 079021X	8.700-727.0- (079003)FASCO 2.44" W x 2.53" T 5/16" shaft 8.700-728.0 (079003A) MET 3.44" W x 4.25" T 1/2" shaft	8.700-749.0 079030	8.700-782.0 079064	8.700-770.0 079052	8.700-774.0 079056 with 8.700-721.0 coupling for converting from MET to FASCO

NOTE: 8.700-721.0 - Coupling for 8.700-740.0 FASCO motor used on MET to FASCO converted burner

8.700-720.0 - Adaptor Bushing to allow MET blower wheel to work with FASCO motor

8.700-740.0 - Conversion Kit - Use MET to FASCO conversion kit if 12V burner motor cannot be identified. The kit contains the following parts: 8.700-739.0 Motor; 8.700-720.0 Adaptor bushing; 8.700-682.0 Adaptor Plate; 8.700-721.0 Coupling; 8.700-691.0 Screws (2); 8.700-104.0 Nuts

Blower Wheel



Part No.	Original No.	Wayne Part No.	Description	Shaft Size
8.700-730.0	079005	20288/SER	5-3/16" x 3-7/16"	1/2"
8.700-731.0	848568	21854/SER	6-1/4" x 4-3/16"	1/2"
8.700-726.0	848577	20673	4-1/4" x 3-1/8"	1/2"
8.700-727.0	079003	21427/SER3	12V (Fasco)	5/16"
8.700-728.0	676865	21427	(MET)	1/2"

Common Parts - Beckett & Wayne



Oil Line



Brass Elbow

Part No.	Orig. No.	Description
8.701-054.0	079526	Oil Line, 6.5", Copper
9.802-667.0	600144	Oil Line, 8", Copper
8.701-053.0	079525	Oil Line, 9.5", Copper
8.700-784.0	079066	Brass 90° Elbow 1/8" flare, 1/8" MPT
8.700-785.0	079067	Brass 90° Elbow 3/16" flare, 1/8" MPT
8.700-738.0	079020	Oil Pressure Gauge 0 - 200 PSI
8.700-768.0	079051	(28737-1) Nozzle Adapter
8.705-063.0	140150	Straight Thru Double Nipple 1/8" x 1/8"

Wayne Burner Parts



Part No.	Orig. No.	Wayne Part No.	Description
8.700-774.0	079056	31156	Wayne Burner Tune-up Kit
8.700-770.0	844698	14733-001 14734-002	Electrode Assembly (Pair) with Buss Bars – G shape
8.700-743.0	807253	12945	Buss Bar – G shape
8.700-754.0	079034	14344	Burner Gasket
8.700-692.0	078785	12484	Universal Gasket
8.700-735.0	079014	4725	Burner Housing (E-Series)
8.700-736.0	079016	2689	Burner Flange "F"
8.700-776.0	079059	13279	Flex Coupler A Fuel Unit
8.700-777.0	079060		Coupler End (J Pump 7/16")
8.700-733.0	079010	13360	Trans Clip Screw
8.700-734.0	079011	13038	Trans Clip
8.700-729.0	079004	2668	Outer Air Band (8 Hole)
8.700-732.0	079007	2669	Inner Air Band (8 Hole)
8.700-714.0	078979	31702-014	Gun Assy, F/307007
8.700-680.0	078752		Nzl Adapter w/legs MSR/DC

Burner Motors



48M



48N

Part No.	Original No.	Capacitor	RPM	HP	Flange	Voltage	Wayne / Beckett
9.802-642.0	890469	Y	3450	1/7	48M	115V	20627 / 21805U
9.802-635.0	079608		3450	1/7	48M	240V	20892 / 21174U
8.700-739.0	079021		4500	1/5	48M	12VDC	21993-005 / N/A
9.802-638.0	079613		3450	1/6	48M	13.5V	21699UF
8.701-090.0	890399		3450	1/4	48N	115V	N/A / 2364U
8.701-091.0	079605		3450	1/4	48N	12V	N/A / 21539UF
8.701-093.0	079609	Y	3450	1/4	48N	115/240V	N/A / 21344
8.701-094.0	079611		3450	1/5	48N	240V	21328 / 21173U
8.701-095.0	890329		3450	1/5	48N	115V	20554 / 2900U
8.700-740.0	079021X	Kit, 12VDC/MET to Fasco					
Universal							
8.700-741.0	079022		3450	1/7	48M	110-60 Hz	
8.700-744.0	079025		3450	1/5	48N	110/240V	Capacitor Start

Blower Wheels



Part No.	Orig. No.	Beckett No.	Description
9.803-057.0	848608	2383U	6-1/4D x 3-7/16W, SF-SM
9.802-649.0	848605	2999U	4-1/4D x 2-1/2W, AFG
9.802-636.0	676640	21404	4-1/4D x 2-7/16W, ADC

Electrode / Insulator Assembly



Part No.	Original No.	Beckett Part No.	Description
9.802-668.0	723367	5780	Std to 9" AFG, SM, SF
8.717-978.0	661238	578728	ADC

Beckett Tune-Up Kit



Fits all Beckett Burners with 3" or 3-5/8" air tube

Kit contains:

- 4-Beckett Electrodes
- 2-Couplings
- 1-Fuel Line



Part No.	Description
8.723-715.0	Beckett Burner Tune-up Kit

Genisys™ Contractor Tool

Advanced Burner Control, 120 Vac primary safety control for residential and light commercial oil burners.



Part No.	Beckett Part No.	Description
8.726-018.0	52082U	Genisys Contractor Tool

Burner Transformers



- 10,000 volt spark
- 2.2 Amp @ 110V
- 8.5 lbs
- Traditional copper wire wound

Part No.	Orig. No.	Beckett No.	Mounting	Voltage
8.751-780.0*	890718	51343U (59290)	AFG	240V
8.701-125.0*	079662	21376U (22890)	S-SF-SR-SM	120V
8.751-781.0*	960242	21176U	SM, SF, CF800	240V

* Bottom Mount

Burner Igniters



- Solid state technology
- 14,000 volt spark
- Only .35 Amp @ 110V
- 1.7 lbs

Part No.	Orig. No.	Beckett No.	Mounting	Voltage
9.802-647.0	960221	51771U (51771U)	AFG/Lo Amp	120V
8.701-131.0	079671	517770 (517770)	ADCw/o CB	12VDC
8.751-784.0	890742	517760 (51776U)	ADCw/ CB	12VDC
8.701-149.0	079707	51506U (517780)	SDCw/ Con BD	12VDC
9.803-060.0	079682	51824U (7411U)	SM/SF	120V
8.701-140.0	079687	51779U (21774)	SDCw/o CB	12VDC

*complete with Timer

Base Plates Igniters



Part No.	Orig. No.	Beckett
8.701-116.0	079644	A Trans/Ign
8.701-117.0	079645	S Trans/Ign
8.701-118.0	079646	E Trans/Ign
8.701-119.0	079647	M Trans/Ign

Fuel Conditioner & Soot Remover

Red Devil eliminates soot buildup.



- Easy to use – just add to burner fuel
- Keeps burner at top efficiency
- 1 oz. per 10 gallons

Part No.	Original No.	Description
8.704-625.0	112057	Pint (16 oz)
8.704-626.0	821753	Quart
8.719-158.0	9-4007	Soot-O-Magic Stick

Burner Tune-Up Kits



- Oil line – 8"
- Buss bars
- Buss bar bracket
- Electrodes pair w/ insulator
- Motor/pump coupler
- Insulator bushing
- Instructions
- J pump coupling end
- Tip setting gauge

Part No.	Original No.	Description
8.700-774.0	7-31156	Wayne Burner Tune-up Kit - 31156
8.723-715.0		Beckett Burner Tune-up Kit

Burner Transformers



- 10,000 Volt spark
- 2.2 Amp @ 120V
- 8.5 lbs
- FranceFormer



Part No.	Original No.	Wayne Part No.	Mounting	Volt
8.700-804.0	079115	23101/E	Side/EH-EHA	120V
8.700-806.0	079117	23101/M	Back/M-MSR	120V
8.700-809.0	960118	23103/E	Side/EH-EH	230V
8.700-810.0	079124	23103/M	Back/10KVA	120V

Burner Ignitors



- Solid state technology
- 14,000 volt spark
- Only .35 Amp @ 110V
- 1.7 lbs



Part No.	Orig. No.	Wayne No.	Mounting	Voltage
8.700-802.0	722404	31813-001 (101122-001)	Side/EH-EHA	120V
8.700-803.0	722447	31812-001 (101121-001)	Back/M-MSR	120V
8.700-800.0	722405	31813-002	Side/EH-EHA	240V
8.700-801.0	079109	31812-002	Back/M-MSR	240V
8.700-807.0	079120	31812-003	Rear Mount	12VDC
8.700-820.0	079152	31813-003	Side Mount(E)	12VDC

Oil Solenoid Valve



- Unitized mounting on Suntec fuel pumps
- 1/8" FPT Inlet
- 300 PSI
- Uses standard SUNTEC coil

Part No.	Original No.	Description
8.700-779.0	944412	110V Oil Valve - R642
8.700-780.0	728458	220V Oil Valve - R753
8.700-782.0	079064	12/24V Oil Valve - R261
8.700-811.0	079125	Flow Thru Connector Bolt
8.700-812.0	079126	Aluminum Seal Washer
8.900-081.0	079053X	110V Coil w/ Cord Set
8.900-082.0	079054X	230V Coil w/ Cord Set
8.900-080.0	079050X	12/24 Coil w/ Cord Set
9.802-640.0	630764	115V Coil w/o Cord Set
9.802-641.0	825829	230V Coil w/o Cord Set
8.700-794.0	079098	12/24VDC Coil w/o Cord Set
8.700-795.0	079099	Cord Set Only
8.900-079.0	079047	8mm Nut for Old Style Coil

CleanCut Fuel Pump

Beckett

Simple design provides faster cleaning, more reliable cut offs, and cut ons. Cleaner operation-less soot. More reliable-fewer moving parts. Reduced motor load in start up. Higher capacity - 4 GPH at 100 PSI.



- 100-200 PSI - factory set 100 PSI
- Inlet pressure 10 PSI
- Rated speed 3600 RPM
- Includes built in solenoid w/ cord set

Part No.	Original No.	Description
9.802-645.0	830493	110 Volt
9.802-644.0	830494	220 Volt
9.802-562.0	830492	12 Volt

Fuel Pumps



- Use with single or dual line systems
- Pressure adjustment valve

Part No.	Original No.	Suntec PN	GPH	RPM	Rotation
Standard Pumps					
8.700-749.0	079030	A2VA7116	3	3450	RH
8.700-753.0	079033	A2VC7118	3	3450	LH
8.700-756.0	079031	A1YA7912	7	1725	RH
8.700-757.0	079037	A2YA7916	7	3450	RH
8.700-748.0	079028	A2RA7710			RH
Pumps with Solenoid					
8.700-758.0	079038	A2VA3006-N221R w/12V	4	3450	RH
8.700-759.0	079038-110	A2VA3006-N621L w/110V	3	3450	RH
8.700-760.0	079038-220	A2VA3006-N721RS w/220V	3	3450	RH
Pump Replacement Parts					
8.700-764.0	948526	3715732 Pump Fuel Screen (A2VA 7116)			
8.700-772.0	079055	3715744 Pump Fuel Screen (A2AVA 7916)			
8.700-765.0	079045	3779801 Gasket Cover			

12 VDC KIP Fuel Solenoid Valve



- Brass body
- 12V DC coil
- 1/8" FPT inlet/outlet ports
- Conduit connector
- 5/64" orifice = 6 watt

Part No.	Original No.	Description
8.701-120.0	079652	Fuel Solenoid Valve

BURNERS

Delavan Fuel Nozzles



Part No.	Orig. No.	GPH
8.701-018.0	079477	2.00 x 60°W
8.701-020.0	079479	1.65 x 80°W
8.701-021.0	079480	1.50 x 80°W
8.701-023.0	079481	1.75 x 80°W
8.701-024.0	079482	2.00 x 80°W
8.701-025.0	079483	2.25 x 80°W

Part No.	Orig. No.	GPH
8.701-026.0	079484	2.50 x 80°W
8.701-028.0	079486	2.75 x 80°W
8.701-029.0	079487	3.00 x 80°W
8.701-031.0	079490	4.00 x 80°W
8.701-039.0	079505	1.65 x 90°W
8.701-032.0	079492	2.00 x 90°W

Select proper size for maximum burner efficiency.

NOTE: The above "W" Nozzles are Stocked - All Sizes Are Available

GPH	60° A Hollow Part No	60° A Hollow Orig No	60° B Solid Part No	60° B Solid Orig No	70° A Hollow Part No	70° A Hollow Orig No	70° B Solid Part No	70° B Solid Orig No	80° A Hollow Part No	80° A Hollow Orig No	80° B Solid Part No	80° B Solid Orig No	90° A Hollow Part No	90° A Hollow Orig No	90° B Solid Part No	90° B Solid Orig No
.50	8.700-850.0	079225	8.700-868.0	079250	8.700-887.0	079275	-	-	8.700-911.0	079325	-	-	-	-	8.700-981.0	079400
.60	-	-	-	-	-	-	-	-	8.700-912.0	079326	8.700-932.0	079351	8.700-960.0	079376	-	-
.65	8.700-852.0	079227	-	-	-	-	-	-	8.700-913.0	079327	8.700-933.0	079352	8.700-961.0	079377	-	-
.75	-	-	8.700-870.0	079253	-	-	8.700-896.0	079303	8.700-914.0	079328	8.700-934.0	079353	8.700-962.0	079378	8.700-982.0	079403
.85	8.700-853.0	079229	8.700-871.0	079254	-	-	-	-	8.700-915.0	079329	8.700-935.0	079354	-	-	8.700-983.0	079404
.90	8.700-854.0	079230	8.700-872.0	079255	-	-	-	-	8.717-333.0	900450	8.700-936.0	079355	8.700-963.0	079380	-	-
1.00	8.700-855.0	079231	8.700-873.0	079256	8.717-276.0	799516	8.700-897.0	079306	8.700-916.0	079331	8.700-937.0	079356	9.802-583.0	900451	8.700-984.0	079406
1.10	8.700-856.0	079232	8.700-874.0	079257	-	-	-	-	8.700-917.0	079332	8.700-938.0	079357	8.717-332.0	900449	8.700-985.0	079407
1.20	8.700-857.0	079233	8.700-875.0	079258	8.700-890.0	079283	-	-	8.700-918.0	079333	8.700-939.0	079358	-	-	-	-
1.25	8.700-858.0	079234	8.700-876.0	079259	-	-	8.700-899.0	079309	8.700-919.0	079334	8.717-350.0	900766	8.700-966.0	079384	8.700-986.0	079409
1.35	8.700-859.0	079235	8.700-877.0	079260	-	-	8.700-900.0	079310	9.802-584.0	900452	8.717-358.0	900784	8.700-967.0	079385	8.700-987.0	079410
1.50	8.717-328.0	900367	8.700-878.0	079261	8.717-278.0	799518	-	-	8.700-921.0	079336	8.717-351.0	900767	9.802-585.0	900650	8.700-988.0	079411
1.65	8.700-861.0	079237	8.700-879.0	079262	-	-	-	-	8.700-922.0	079337	8.700-943.0	900768	8.700-969.0	079387	8.700-989.0	079412
1.75	8.700-862.0	079238	8.700-880.0	079263	8.700-892.0	079288	8.700-903.0	079313	8.749-361.0	079338	8.717-352.0	900769	8.700-970.0	079388	9.802-575.0	079413
2.00	8.717-327.0	900270	-	-	-	-	8.700-904.0	079314	8.700-924.0	079339	8.717-353.0	900771	8.700-971.0	079389	9.802-576.0	079414
2.25	8.700-864.0	079240	8.700-881.0	079265	-	-	8.700-905.0	079315	8.700-925.0	079340	8.700-946.0	900773	8.700-972.0	079390	-	-
2.50	8.700-865.0	079241	8.700-882.0	079266	8.700-893.0	079291	-	-	8.700-926.0	079341	8.700-947.0	900775	8.700-973.0	079391	9.802-586.0	079416
2.75	8.700-866.0	079242	8.700-883.0	079267	-	-	-	-	8.700-927.0	079342	8.717-330.0	900375	8.700-974.0	079392	8.700-994.0	079417
3.00	-	-	-	-	8.700-894.0	079293	-	-	8.700-928.0	079343	8.717-354.0	900777	8.700-975.0	079393	8.700-995.0	079418
3.25	8.700-867.0	079244	-	-	8.700-895.0	079294	-	-	-	-	8.700-950.0	079369	8.717-336.0	900454	8.700-996.0	079419
3.50	-	-	8.700-884.0	079270	-	-	-	-	8.700-929.0	079345	-	-	8.700-977.0	079395	8.700-997.0	079420
4.00	-	-	-	-	-	-	-	-	8.700-930.0	079346	8.700-952.0	079371	8.700-978.0	900456	8.700-998.0	079421
5.00	-	-	-	-	-	-	-	-	-	-	8.717-357.0	900783	8.700-979.0	079398	-	-
6.00	-	-	-	-	-	-	-	-	-	-	8.700-956.0	079374	-	-	8.701-000.0	079425
6.50	-	-	-	-	-	-	-	-	-	-	8.700-953.0	079372	-	-	-	-
7.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	8.700-910.0	079324	-	-	-	-	-	-	-	-

Gas Burner Rings - N/G or L/P Gas Jets

The Standard for Gas-Fired Pressure Washers. Impinged Jet Burner Rings offer the most efficient utilization of gas for heating water.



Gas Burner Ring

Part No.	Original No.	Model No.	Jets Req'd	1000 BTUH
Gas Burner Rings Only				
8.710-203.0	347502	Z-21	20	100-200
8.710-204.0	347504	X-11	32	160-320
8.710-207.0	347506	X-44	44	220-440
8.710-210.0	347508	X-66	66	330-660
8.904-003.0	347510	X-88	88	440-880



Gas Jets

Part No.	Original No.	Drill Size	Orifice Size	Use
Gas Jets for Burner Rings* (above)				
8.710-215.0	347552	#52	(.0635)	NG
8.710-216.0	347554	#54	(.055)	NG
8.710-217.0	347562	#62	(.038)	LP
8.710-218.0	347565	#65	(.035)	LP
8.710-219.0	347566	#66	(.033)	LP
8.710-214.0	347549	Blank (Must Be Drilled)		

*Due to freight damage on assembled rings / jets...Separately order correct number & size of jets for each burner ring.

1" Gas Valves by Robert Shaw

Universal type for new equipment or replacement.



- Manual gas cock
- Auto pilot safety valve
- Wiring & hardware included
- Pilot gas filter
- 600,000 BTU LP gas
720,000 BTU Natural Gas
- 1" inlet/outlet

Kit is for 8.710-174.0 and includes: gas valve, flame sensor, electrode pilot relight and harness

Part No.	Original No.	Description
8.710-178.0	347406	240 Vac/NG, Standing Pilot
8.710-179.0	347407	24 Vac, NG, Standing Pilot
8.710-174.0	347403	24 Vac, NG, Electronic Ignition
8.710-181.0	347409	700 MV, Natural Gas
8.710-163.0	347379	24V Retrofit Kit (NG) 720,000 BTU

LP Conversion Kit below

LP Conversion Kit for Robert Shaw

Convert NG to LP



Part No.	Original No.	Description
8.710-187.0	347421	1" LP Conversion Kit
8.710-164.0	347380	LP Orifice

Gas Valves - LP or Natural

Universal type for building new systems or field replacement. 750 MV, 24V or 120V Controls by White-Rodgers.



- 335,000 BTU max
- 3/4" inlet/outlet
- All adjustments & wiring connections on top of valve
- Automatic outlet pressure regulator
- A.G.A. design certified, C.G.A. certified

Part No.	Original No.	Description
8.710-172.0	347400	Gas Valve 24V (1)
8.710-182.0	924895	Gas Valve 120V (2)
8.710-183.0	347412	Gas Valve 750 MV (1)
8.750-109.0		LP to NG Conversion Kit, 2.5 to 5" WC

- (1) Includes two 3/4" x 1/2" all-thread plated bushings and valve instructions.
- (2) Includes L.P. Kit, two 3/4" x 1/2" and one 1/2" x 3/8" all-thread plated bushings and all instructions.

White Rodgers Repair Parts

Part No.	Orig. No.	Description
8.710-184.0	347416	24V Cycle Pilot Control (347425)
8.710-197.0	347440	120V Cycle Pilot Control
8.710-198.0	347446	Gas Ignition Electrode (24" Lead)

Insulation & Rigid Disc / Donuts



Refractory Grade Ceramic **Kawool** Formed; Retains heat inside coil for better fuel efficiency and paint protection.

Part No.	Orig No.	Description	TK/Long	Dia/Wide	OD/ID
"Rigid Formed" Donut & Discs					
8.704-807.0	122253	Donut	.88"	18"	6"/4.4"
8.704-810.0	122258	Donut	.88"	16"	6"/4.4"
8.704-808.0	122254	Disc	1/2"	18"	
8.704-809.0	122257	Disc	1/2"	16"	

Insulation Blanket

8.901-288.0	122204	Coil Wrap	1"	24"	4'
8.901-289.0	122205	Coil Wrap	1"	24"	5'
8.704-800.0	122206	Coil Wrap	1"	24"	6'
8.704-802.0	122222	Full Roll	1/2"	24"	25'
8.704-805.0	122225	Full Roll	1"	24"	25'

Gallons Per Hour Fuel Oil Chart

Rate GPH @ 100 PSI	U.S. Gallons Per Hour No. 2 Fuel Oil Operating Pressure: Pounds Per Square Inch							
	125	140	150	175	200	250	275	300
.40	.45	.47	.49	.53	.56	.63	.66	.69
.50	.56	.59	.61	.66	.71	.79	.83	.87
.60	.67	.71	.74	.79	.85	.95	1.00	1.04
.65	.73	.77	.80	.86	.92	1.03	1.06	1.13
.75	.84	.89	.92	.99	1.06	1.19	1.24	1.30
.85	.95	1.01	1.04	1.13	1.20	1.34	1.41	1.47
.90	1.01	1.07	1.10	1.19	1.27	1.42	1.49	1.56
1.00	1.12	1.18	1.23	1.32	1.41	1.58	1.66	1.73
1.10	1.23	1.30	1.35	1.46	1.56	1.74	1.82	1.91
1.20	1.34	1.42	1.47	1.59	1.70	1.90	1.99	2.08
1.25	1.39	1.48	1.53	1.65	1.77	1.98	2.07	2.17
1.35	1.51	1.60	1.65	1.79	1.91	2.14	2.24	2.34
1.50	1.68	1.77	1.84	1.98	2.12	2.37	2.49	2.60
1.65	1.84	1.95	2.02	2.18	2.33	2.61	2.73	2.86
1.75	1.96	2.07	2.14	2.32	2.48	2.77	2.90	3.03
2.00	2.24	2.37	2.45	2.65	2.83	3.16	3.32	3.46
2.25	2.52	2.66	2.76	2.98	3.18	3.56	3.73	3.90
2.50	2.80	2.96	3.06	3.31	3.54	3.95	4.15	4.33
2.75	3.07	3.25	3.37	3.64	3.90	4.35	4.56	4.76
3.00	3.35	3.55	3.67	3.97	4.24	4.74	4.97	5.20
3.25	3.63	3.85	3.98	4.30	4.60	5.14	5.39	5.63
3.50	3.91	4.14	4.29	4.63	4.95	5.53	5.80	6.06
3.75	4.19	4.44	4.59	4.96	5.30	5.93	6.22	6.50
4.00	4.47	4.73	4.90	5.29	5.66	6.32	6.63	6.93
4.50	5.04	5.32	5.51	5.95	6.36	7.11	7.46	7.79
5.00	5.59	5.92	6.12	6.61	7.07	7.91	8.29	8.66
5.50	6.15	6.51	6.74	7.27	7.78	8.70	9.12	9.53
6.00	6.71	7.10	7.35	7.94	8.49	9.49	9.95	10.39
6.50	7.26	7.69	7.96	8.60	9.19	10.28	10.78	11.26
7.00	7.82	8.28	8.57	9.25	9.90	11.07	11.61	12.12
7.50	8.38	8.87	9.19	9.91	10.61	11.86	12.44	12.99
8.00	8.94	9.47	9.80	10.58	11.31	12.65	13.27	13.86
8.50	9.50	10.06	10.41	11.27	12.02	13.44	14.10	14.72
9.00	10.06	10.65	11.02	11.91	12.73	14.23	14.93	15.59
9.50	10.60	11.24	11.64	12.60	13.44	15.02	15.75	16.45
10.00	11.18	11.83	12.25	13.23	14.14	15.81	16.58	17.32
10.50	11.74	12.42	12.86	13.89	14.85	16.60	17.41	18.19
11.00	12.30	13.02	13.47	14.55	15.56	17.39	18.24	19.05
12.00	13.42	14.20	14.70	15.88	16.97	18.97	19.90	20.79

Gas Valve Accessory Components

Use with both 3/4" and 1" models above.



8.710-194.0

Part No.	Original No.	Description
8.710-190.0	347430	750 MV Generator
8.710-191.0	347431	P110T Pilot Burner (Natural gas)
8.718-092.0	347436	Thermo Couple (w/ 24") Cap Tube
8.710-196.0	347438	Thermo Couple (w/ 36") Cap Tube

"Snap" Fuel Nozzle Check Valve

Spring loaded "snap" check valve replaces filter element on fuel nozzle. Valve opens when fuel pump pressure reaches 130 PSI and "snaps" shut when fuel pressure drops below 130 PSI. Stops "smokey" burners at start up and eliminates "shut down" after burn.



- Reduces nozzle fouling caused by residual fuel in orifice
- Easy field installation in standard fuel nozzles
- Reduces soot build up in coil

Part No.	Orig. No.	Description	PSI
8.900-083.0	079210	Snap Fuel Valve,	100
8.900-084.0	079211	Snap Fuel Valve,	130
8.700-845.0	079215	Snap Check Valve, (5 pack)	130
8.700-844.0	079214	Snap Check Valve, (5 pack)	100

Smoke Tester - Diagnostic Tool

The smoke tester gives you the ability to measure smoke (soot) density and adjust air flow and fuel pressure to optimize burner performance.



A properly tuned burner:

- Heats water better
- Doesn't build up soot in the coil
- Doesn't pollute the air
- Keeps your customers happy
- A tool that should be used by every serviceman in the industry.

Part No.	Orig. No.	Description
8.712-507.0	449020	Smoke Tester
8.712-506.0	449019	Filter Paper Refill*

*40 sheet (10 tests per sheet)

Gas Regulators



8.718-099.0



9.803-616.0



8.718-111.0

- A.G.A. Design Certified
- CGA Certified

Part No.	Org No.	Size	Voltage	Model No.	Brand
Natural Gas					
9.803-616.0	7-700021	3/4"	24V	VR8304M4002B	Honeywell
8.710-182.0	924895	3/4"	115V	36C03A41S1	White Rodgers
8.717-766.0	924904	3/4"	Millivolt	VS820A-1005	Honeywell
8.717-767.0	924908	3/4"	24V	V800A1328	Honeywell
8.718-099.0	921431	3/4"	24V	SV9601M4167	Honeywell
8.717-768.0	924870	1"	24V	700-44J	Robert Shaw
8.710-174.0	860192	1"	24V	70-05J	Robert Shaw w/ Pilot
9.802-674.0	971495	1"	24V	7000 DERHC, 5N2501531	Robert Shaw
LP Gas Regulator Conversion Kits					
8.718-111.0	924897	Fits White Rogers - 924895, 924896			
8.718-113.0	924913	Fits Honeywell - 924904, 924908			
9.803-618.0	7-702320	Fits Honeywell - 921431			
9.802-688.0	924868	Fits Honeywell - 971495			
8.710-162.0	924900	Fits Robert Shaw - 924870			
8.710-187.0	860123	Fits Robert Shaw - 860192			

Propane Gas Regulators



9.802-633.0

- High quality Fischer regulators
- High and low pressure

Part No.	Orig. No.	Description
8.717-750.0	860121	LP, 3/8" NPT x POL
8.717-752.0	860283	LP, FPOL x 3/4" FIP
8.717-746.0	7-1005	High Pressure
8.717-747.0	7-10050	Low Pressure
8.717-749.0	7-10052	Regulator, Propane Gas, Fisher
9.802-633.0	7-1010	LP Assembly, includes High/ Low Pressure Assy

Propane Gas Hose



Part No.	Original No.	Description
8.711-853.0	867210	LP 1/4" x 10' POL x POL
8.711-856.0	707127	LP 1/2" x 48" 1/2 MNPT BE
8.711-854.0	707431	LP 1/4" x 18" MPOL BE
8.711-864.0	707432	LP 3/4" x 16" MNPT BE

Draft Diverters & Rain Caps



- Prevents backdrafts, keeps cold air out
- Prevents water from running down vent pipes
- Fits on standard stove pipe
- Hot dipped galvanized

Part No.	Original No.	Description
8.717-764.0	924889	8" Oil Fired, Barometric Dampener
8.717-728.0*	835526	8", Round Gas-Fired
9.801-040.0*	835525	10", Round Gas-Fired
8.717-730.0*	835531	12", Round Gas-Fired
Rain Caps		
8.717-731.0	7-10033	10", Exhaust Stack, Cap
8.717-732.0	7-10034	12", Exhaust Stack, Cap

*Available from Springdale and Camas

Electronic Ignition



- Replaces the need for standing pilot
- Field installation kit
- Complete instructions included

Part No.	Original No.	Description
9.803-613.0	7-701510	Honeywell Ignition Module - NEW
9.802-677.0	727390	Ignition Electronic Control, Robert Shaw
8.716-299.0	630615	Ignition Electronic Control, Honeywell
8.709-043.0	480282	Natural Gas 900/1400 Series
8.903-073.0	480283	LP Gas 900/1400 Series
8.716-901.0	960135	Transformer 120 x 24V
8.716-900.0	960145	Transformer 240 x 24V
8.716-022.0	890711	Terminal Adapter

Gas Pilots



Part No.	Original No.	Description
8.718-100.0	829858	Pilot Gas LP Gas Orifice HS
8.718-101.0	829977	Pilot Gas Nat Gas Orifice HS
8.718-011.0	914162	Pilot Burner & Ignition
9.802-685.0	971496	Pilot Gas - Nat Gas
9.803-610.0	7-702371	NEW Pilot - Nat Gas

BURNERS

Coils



- Heavy-duty schedule 80 carbon steel pipe
- Best warranty in the industry
- Sized to water flow for maximum heat rise
- Wound specifically for oil and gas fired applications

Part No.	Original No.	Description
Oil Fired		
8.919-135.0	226222	16", fits 444/550/660, 555, 560, 781, 871, 921, 965 Series
8.911-491.0	240700	fits 27/28/2900 Series
8.911-493.0	240839	fits 900/1000, 1400 Series
8.911-497.0*	240900	fits 3Z663/5Z021 Series
8.919-138.0	241100	fits 800E/950/810, 1260, 70, 80, 90 Series
8.911-499.0*	241119	fits 530, Sheetmetal Frame
8.911-500.0	241172	fits 520/540 Series
8.911-494.0	241207	fits 5000/9450, 5645, 5700 Series
8.911-502.0*	241291	fits 800 30" HGT
8.911-505.0*	241314	fits 530/610 Series, Angle Frame
Gas/Oil Fired		
8.911-496.0	241196	28" fits 9460 Series
Gas Fired		
8.911-498.0	241098	fits 900/1000, 1400 Series
8.911-501.0*	241173	fits 611/530 Series
8.911-495.0	241208	fits 5000 Series, 9452
8.911-503.0	241292	fits 800 30" HGT
8.911-504.0*	241313	fits 800 27" HGT
8.911-976.0*	241536	16" fits 551, 558, 559 Series
8.911-996.0*	240841	fits 771, 772

*Available from Springdale and Camas

Propane Tanks



8.717-791.0

Part No.	Original No.	Description
8.717-791.0	891113	Tank, 43# - without OPD valve

NOTE: No Air Freight shipments on the above items

Hotsy Coil Conditioner



- Specially formulated to remove scale and mineral deposits (MUST be used with an auxiliary recirculation pump)
- Increases efficiency from heating coils

Part No.	Orig No.	Description
8.904-764.0	51302	Case of 12 - 2lbs Containers

Coil Insulation



873750

- Refractory Grade Ceramic
- Retains heat inside coil for better fuel efficiency and paint protection

Part No.	Original No.	Description
8.718-207.0	268004	Pancake 18/ Cerafelt 16 OD x 8.3 ID
8.717-412.0	268015	Cerafelt 24 x 56
8.717-413.0	268016	Cerafelt 6 x 56
8.717-451.0	873757	Cerafelt 1/2 x 24, Bulk/sqft
8.717-452.0	873762	Cerafelt 1 x 24, Bulk/sqft
8.717-414.0	268017	Fiberglass 18 OD x 10.3 ID
8.717-442.0	873749	Fiberglass 18 OD x 8.0 ID
8.717-446.0	873751	Fiberglass 29 x 58
9.802-908.0	873776	Fiberglass 10 x 52
8.717-438.0	873777	Fiberglass 22.5 x 52
9.802-903.0	873778	Fiberglass 16 OD x 4.5
9.802-904.0	873779	Fiberglass 16 OD x 8.3
8.717-445.0	873786	Fiberglass 18 OD x 10
8.717-450.0	722418	Fiberglass 8 x 17.5
9.802-587.0	722423	Fiberglass TBG 50 ID
8.717-449.0	722411	Fiberglass 16 OD x 10
8.717-441.0	873750	Tophead 18 OD x 4.0 ID

Nozzle Accessories



Part No.	Orig. No.	Description
8.700-849.0	079221	Nozzle Tray (Metal) (Open Top, 55-Compartment, Plastic)