

## Burner Assembly



High efficiency, low amp diesel burner  
"CleanCut" fuel pump eliminates smoking  
Easy to adjust airbands

Part No.	Original No.	Description
8.717-104.0	616027	12V ADC/SOL 1.50 (P/N HO1001)
8.717-103.0	615856	12VDC, (P/N HO1002)
8.717-108.0	615962	12V ADC, 2.25 90-B Noz, F-22 A/Cone, 150 PSI, A/Bands 4/4
8.717-089.0	615963	115V/60, AFG, 1.25 90B(D) Noz
8.717-091.0	615967	115V/60HZ, AFG, 1.75 Noz
8.717-092.0	615969	115V/60HZ, AFG, 2.25 80 B Noz, F22 Cone,
8.717-088.0	615964	230V/60, AFG, 1.75 Noz
8.717-090.0	615966	230V/60, SM, 2.00 Noz

## 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 w/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

## 14 Volt ADC Oil Burner



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

Part No.	Original No.	Description
8.709-327.0	307059	Beckett 13.5V, RPM 3450
8.709-328.0	307061	Beckett 13.5V w/ Electric Eye, RPM 3450

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

## 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	890718	21175U*
8.709-325.0	307032	AFG / 120Vac	VMG902	9.802-642.0	890469	21805U	9.802-649.0	848605	2999U	9.802-647.0	960220	51771U
8.709-327.0	307059	ADC / 13.5Vdc- W/O ICB*	VMG504	9.802-638.0	079613	21699UF	9.802-636.0	723355	21404U	8.701-131.0	723364	51777U
8.709-328.0	307061	ADC / 13.5Vdc- W/ICB	VMG505	9.802-638.0	079613	21699UF	9.802-636.0	676640	21404U	9.802-663.0	890742	51778U
8.717-071.0	615971	SM / 120V	HO1501	8.701-090.0	890399	2364U	9.803-057.0	848608	2383U	9.803-060.0	079682	51824U
8.717-090.0	615966	SM / 240V	HO1301	8.701-093.0	079609	21344U	9.803-057.0	848608	2383U	9.803-055.0	960242	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	830494	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	830493	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	830492	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	615971	SM / 120V	HO1501	9.802-645.0	830493	2184405U	8.900-081.0	079053X	N/A	8.723-715.0	N/A	578730
8.717-090.0	615966	SM / 240V	HO1301	9.802-644.0	079642	2184403U	8.900-082.0	079054X	N/A	8.723-715.0	NA/	578730

\* Ignition Control Board    \*\* Old iron core transformer

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

**Flex Couplings**



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

**Misc. Parts**



Part No.	Orig. No.	Beckett 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
8.701-083.0	079592	5877	Burner Housing, AFG/ADC
8.701-085.0	079595	5717	Knurled Nut Kit, ADC
8.701-134.0	079677	51304	Transf Mtg Gasket, AFG
8.701-132.0	079674	31404	Transformer Clip
9.802-676.0	079640	70060	Cadcell 110V
8.701-122.0	079654	596300	Cadcell Flame detector
8.701-137.0	079684	743411	Primary Control, 12V 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)
8.717-951.0	753046	515681	Brush Kit 12V ADC
8.700-819.0	936501	14289	Cad Photo Cell Flame Detector

**Burner Motors**



48M



48N

Part No.	Original No.	Capacitor	Wayne No. / Beckett No.	RPM	HP	Flange	Voltage	Fits Wayne / Beckett Model
<b>48M</b>								
9.802-642.0	890469	Y	20627 / 21805U	3450	1/7	48M	120V	MRS / AFG
9.802-635.0	079608		20892 / 21174U	3450	1/7	48M	240V	/ AFG
8.701-097.0	079615	Y	N/A / 21345U	3450	1/5	48M	115/240V	
8.700-739.0	079021		21993-005/ N/A	4500	1/5	48M	12VDC	
9.802-638.0	079613		N/A / 21699UF	3450	1/6	48M	13.5V	MSR-DC / ADC
<b>48N</b>								
8.701-090.0	890399		N/A / 2364U	3450	1/4	48N	120V	E, EH / SM, SF
8.701-091.0	079605		N/A / 21539UF	3450	1/4	48N	12V	/ SDC
8.701-093.0	079609	Y	N/A / 21344U	3450	1/4	48N	120/240V	E, EH / SM, SF
8.701-094.0	079611		21328 / 21173U	3450	1/5	48N	240V	E, EH / SM, SF
8.701-095.0	890329		20554 / 2900U	3450	1/5	48N	120V	/ SM
8.700-740.0	079021X		101126-001 / Kit, 12VDC/MET to Fasco					
<b>Universal Replacement Motor</b>								
8.700-741.0	079022			3450	1/7	48M	120V	
8.700-744.0	079025		Capacitor Start	3450	1/5	48N	120/240V	

## 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
9.802-661.0*	890718	51343U (59290)	AFG	240V
8.701-125.0*	079662	21376U (22890)	S-SF-SR-SM	120V
9.803-055.0*	960242	21176U	SM	240V

\* Bottom Mount

## Burner Ignitors



- 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
9.802-663.0	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 Ignitors



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

## Common Parts - Beckett & Wayne



Part No.	Original 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

## 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
8.719-159.0	821754	12 quart (case)
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 @ 110V
- 8.5 lbs
- Traditional copper wire wound



Part No.	Orig. No.	Wayne No.	Mounting	Voltage
8.700-806.0	960147	23101M	Bottom Hinge/MSR	120V
8.700-805.0	960134	23101FH	Side/FHA	120V
8.700-804.0	079115	20358 (23101E)	Side/EH-EHA	120V
8.700-810.0	079124	21665	Back/10KVA	120V
8.700-809.0	960118	21153 (23103E)	Side/EH-EH	240V
8.700-798.0	890929	23103M	Bottom/MSR	240V

## 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

## Wayne Burner Parts

Part No.	Original No.	Wayne No.	Description
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	856044	12484	Universal Gasket
8.700-735.0	7-31421-001	31421-001	Burner Housing (E-Series)
8.700-736.0	079016	2689	Burner Flange "F"
8.700-776.0	825928	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		Nozzle Adapter w/legs MSR/DC

## 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.	Model No.	GPM	RPM	Rotation
<b>Standard Pumps</b>					
8.700-749.0	079030	A2VA7116	3	3450	RH
8.700-753.0	079033	A2VC7118	3	3450	LH
8.700-751.0	079031	A1YA7912	7	1725	RH
8.700-757.0	919713	A2YA7916	7	3450	RH
8.700-748.0	079028	A2RA7710	2.5	3450	RH
<b>Pumps with Solenoid</b>					
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
<b>Pump Replacement Parts</b>					
8.700-764.0	948526	3715732 (A2VA 7116)			Pump Fuel Screen
8.717-878.0	948527	3715744 (A2AVA 7916)			Pump Fuel Screen
8.700-765.0	079045	3779801			Gasket Cover

## Blower Wheel



Part No.	Original No.	Wayne No.	Description
8.700-731.0	848568	21854-001	6-1/4" x 4-3/16"
8.700-726.0	848577	20673	4-1/4" x 3-1/8"
8.700-727.0	079003	21427-003	12V (Fasco)
8.700-728.0	676865	21427	(MET)

# BURNERS

## Delavan Fuel Nozzles



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

Part No.	Orig. No.	GPH
<b>8.701-026.0</b>	<b>079484</b>	2.50 x 80°W
<b>8.701-028.0</b>	<b>079486</b>	2.75 x 80°W
<b>8.701-029.0</b>	<b>079487</b>	3.00 x 80°W
<b>8.701-031.0</b>	<b>079490</b>	4.00 x 80°W
<b>8.701-039.0</b>	<b>079505</b>	1.65 x 90°W
<b>8.701-032.0</b>	<b>079492</b>	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	8.700-992.0	079415
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	-	-	-	-	-	-	-	-

## Oil Solenoid Valve



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

Part No.	Original No.	Description
<b>8.700-779.0</b>	<b>944412</b>	110V Oil Valve - R642
<b>8.700-780.0</b>	<b>728458</b>	220V Oil Valve - New Style
<b>8.700-811.0</b>	<b>079125</b>	Flow Thru Connector Bolt
<b>8.700-812.0</b>	<b>079126</b>	Aluminum Seal Washer
<b>8.900-081.0</b>	<b>079053X</b>	110V Coil w/ Cord Set
<b>8.900-082.0</b>	<b>079054X</b>	230V Coil w/ Cord Set
<b>8.900-080.0</b>	<b>079050X</b>	12/24 Coil w/ Cord Set
<b>9.802-640.0</b>	<b>630764</b>	120V Coil w/o Cord Set
<b>9.802-641.0</b>	<b>825829</b>	230V Coil w/o Cord Set
<b>8.700-794.0</b>	<b>079098</b>	12/24VDC Coil w/o Cord Set
<b>8.700-795.0</b>	<b>079099</b>	Cord Set Only
<b>8.900-079.0</b>	<b>079047</b>	8mm Nut for Old Style Coil

## 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
<b>8.701-120.0</b>	<b>079652</b>	Fuel Solenoid Valve

## 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



Gas Jets

Part No.	Orig. No.	Model No.	Jets Req'd	1000 BTUH
<b>Gas Burner Rings Only</b>				
8.710-203.0	347502	Z-21	20	100-200
8.718-057.0	615425	X-24	24	130-250
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 sold separately.

Part No.	Original No.	Drill Size	Orifice Size	Use
<b>Gas Jets for Burner Rings* (above)</b>				
8.717-361.0	908261	#50		
8.718-091.0	908269	#51		
8.710-215.0	347552	#52	(.0635)	NG
8.717-363.0	908265	#54	(.055)	NG
8.717-344.0	799052	#57		
8.717-362.0	908264	#62	(.038)	LP
8.717-365.0	908668	#65	(.035)	LP
8.710-219.0	908260	#66	(.033)	LP
8.717-360.0	908258	#69		
8.710-214.0	908262	Blank (Must Be Drilled)		

Part No.	Description
<b>Drill Bits for Drilling Gas Jet Orifice</b>	
8.725-423.0	Drill Bit, HSS Point #52
8.725-424.0	Drill Bit, HSS Point #54
8.725-425.0	Drill Bit, HSS Point #62
8.725-426.0	Drill Bit, HSS Point #65
8.725-427.0	Drill Bit, HSS Point #66
8.725-428.0	Drill Bit, HSS Point #69

## 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)
8.710-188.0	347423	3/4" LP Conversion Kit (4)

- (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



Refactory 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
<b>"Rigid Formed" Donut &amp; Discs</b>					
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"	

Part No.	Orig No.	Description	TK/Long	Dia/Wide	OD/ID
<b>Insulation Blanket</b>					
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



9.802-685.0

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
8.718-100.0	829858	Pilot Gas LP Gas Orifice HS
8.718-101.0	829977	Pilot Gas Natural Gas Orifice HS
8.718-011.0	914162	Pilot Burner & Ignition
9.802-685.0	971496	Pilot Gas Natural Gas

## "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



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

Part No.	Org No.	Size	Voltage	Model No.	Brand
<b>Natural Gas</b>					
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
8.718-106.0	921320	3/4" Valve		36C12310S1	White Rogers
<b>LP Gas Regulator Conversion Kits</b>					
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



- 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
<b>Rain Caps</b>		
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
<b>Oil Fired</b>		
8.911-793.0	226222	16", fits 444/550/660, 555, 560, 781, 871, 921, 965 Series
8.911-491.0	240700	fits 27/28/2900 Series
8.911-782.0	240834	fits 710/610E, 680, 770, 790, 1060, 1065, 1075 Series
8.911-493.0	240839	fits 900/1000, 1400 Series
8.911-497.0*	240900	fits 3Z663/5Z021 Series
8.911-930.0	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
<b>Gas/Oil Fired</b>		
8.911-496.0	241196	28" fits 9460 Series
<b>Gas Fired</b>		
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
8.718-207.0	268004	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)