

BURNERS

Burner Assembly



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

Part No.	Description
616027	12V ADC/SOL 1.50 (P/N HO1001)
615856	12VDC, (P/N HO1002)
615962	12V ADC, 2.25 90-B Noz, F-22 A/Cone, 150 PSI, A/Bands 4/4
615963	115V/60, AFG, 1.25 90B(D) Noz
615967	115V/60HZ, AFG, 1.75 Noz
615969	115V/60HZ, AFG, 2.25 80 B Noz, F22 Cone,
615964	230V/60, AFG, 1.75 Noz
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.	Description
307032	Beckett AFG 115
307036	Beckett AFG 230

12 Volt DC Oil Burner



- 12 volt solid state ignition
- 1/6 HP
- 3450 RPM
- 4-1/4" Fan
- Beckett "CleanCut" fuel pump w/oil valve

Part No.	Description
307059	Beckett 14V
307061	Beckett 13.5V w/ Electric Eye

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

Blower Wheels



Part No.	Beckett No.	Description
079513	2288U	5-3/4D x 3-7/16W, SF-SM
848608	2383U	6-1/4D x 3-7/16W, SR
848605	2999U	4-1/4D x 2-1/2WAFG
676640	21404	4-1/4D x 2-7/16W, ADC

Electrode / Insulator Assembly



Part No.	Beckett No.	Description
723367	5780	Std to 9", AC,A,F,SR, SM
079535	5940	Std to 9", MB/MD
079536	5781	Std to 9", A & S
661238	578728	ADC

Flex Couplings



Part No.	Beckett No.	Description
825831	2454	Flex Coupling 5/16 "A", (M/A)
079521	2290	Flex Coupling 7/16 "S", (J/H)
848609	2433	Flex Coupling 5/16 "S", (M/A)
079523	21282	Flex Coupling 7/16 "A", (J/H)
630730	21405	Flex Coupling 12 VDC

Misc. Parts



Part No.	Beckett No.	Description
079530	149	Electrode Clamps (ALL)
079542	5432	Flange, w/ Gasket (ALL)
079543	5850	Flange, Split Uni, A&S
079560	3616	Gasket, Universal, AMF
079562	3416	Gasket, Unit Mtg
079592	5877	Burner Housing, AFG/ADC
079595	5717	Knurled Nut Kit, ADC
079677	51304	Transf Mtg Gasket, AFG
079674	31404	Transformer Clip
079640	70060	Cadcell 110V
079654	596300	Cadcell Flame detector
079684	73500	Primary Control
079675	3245	Transformer Spring
079629	AF90	Air Tube w/o Head
079573	5151501	Air Band (3 x 92 AFG)
753046	515681	Brush Kit 12V ADC
936501	14289	Cad Photo Cell Flame Detector

Burner Motors



48M

Part No.	Wayne No. / Beckett No.	RPM	HP	Flange	Voltage	Fits Wayne / Beckett Model
48M						
890469	N/A / 21805U	3450	1/7	48M	120V	MRS / AFG
890468	20627 / 2456U	3450	1/7	48M	120V	
079605	N/A / 21539UF	3450	1/4	48M	12V	/ SDC
079607	N/A / 21669U	3450	1/6	48M	14VDC	
079608	20892 / 21174U	3450	1/7	48M	240V	/ AFG
079613	N/A / 21699U	3450	1/6	48M	13.5V	MSR-DC / ADC
079021	21993-005/ N/A	4500	1/5	48M	12VDC	
48N						
890399	N/A / 2364U	3450	1/4	48N	120V	E, EH / SM, SF
079609	N/A / 21344U	3450	1/4	48N	120/240V	E, EH / SM, SF
079611	20328 / 2899U	3450	1/5	48N	240V	E, EH / SM, SF
890329	20554 / 2900U	3450	1/5	48N	120V	/ SM
079021X	101126-001 / Kit, 12VDC/MET to Fasco					
Universal Replacement Motor						
079022	Capacitor Start	3450	1/7	48M	120V	
079025	Capacitor Start	3450	1/5	48N	120/240V	



48N

Burner Tune-Up Kit



- 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.	Wayne No.	Description
7-31156	31156	Burner Tune-up Kit

Wayne Burner Parts

Part No.	Wayne No.	Description
844698	14733-001 14734-002	Electrode Assembly (Pair) with Buss Bars – G shape
807253	12945	Buss Bar – G shape
079034	14344	Burner Gasket
856044	12484	Universal Gasket
7-31421-001	31421-001	Burner Housing (E-Series)
079016	2689	Burner Flange "F"
825928	13279	Flex Coupler A Fuel Unit
079060		Coupler End (J Pump 7/16")
079010	13360	Trans Clip Screw
079011	13038	Trans Clip
079004	2668	Outer Air Band (8 Hole)
079007	2669	Inner Air Band (8 Hole)
078979	31702-014	Gun Assy, F/307007
078752		Nozzle Adapter w/legs MSR/DC

Common Parts - Beckett & Wayne



Oil Line

Brass Elbow

Part No.	Description
079526	Oil Line, 6.5", Copper
600144	Oil Line, 8", Copper
079525	Oil Line, 9.5", Copper
079066	Brass 90° Elbow 1/8" flare, 1/8" MPT
079067	Brass 90° Elbow 3/16 flare, 1/8" MPT
079020	Oil Pressure Gauge 0 - 200 PSI
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

Part No.	Description
112057	Pint (16 oz)
821753	Quart
821754	12 quart (case)
9-4007	Soot-O-Magic Stick

BURNERS

Burner Transformers



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

Part No.	Beckett No.	Mounting	Voltage
890718	51343U (59290)	AFG	240V
079662	21376U (22890)	S-SF-SR-SM	120V
960242	21176U	SM	240V
079672	21346	AFG	120/240V
079673	31488BK	Adapter Plate; AFG to SM	120/240V

Burner Igniters



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

Part No.	Beckett No.	Mounting	Voltage
960221	51501U (51771U)	AFG/Lo Amp	120V
079671	51524U (51777U)	ADCw/o CB	12VDC
890742	51499U (51776U)	ADCw/ CB	12VDC
079707	51506U (51778U)	SDCw/ Con BD	12VDC
079682	51824U (7411U)	SDC	120V
079687	51779U (21774)	SDCw/o CB	12VDC

*complete with Timer

Base Plates for Transformers & Igniters



Part No.	Beckett
079644	A Trans/Ign
079645	S Trans/Ign
079646	E Trans/Ign
079647	M Tr

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.	Description
079652	Fuel Solenoid Valve

Burner Transformers



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

Part No.	Wayne No.	Mounting	Voltage
960147	23101M	Bottom Hinge/MSR	120V
960134	23101FH	Side/FHA	120V
079115	20358 (23101E)	Side/EH-EHA	120V
079117	20593 (32101M)	Back/M-MSR	120V
079124	21665	10KVA/Side	120V
960118	21153 (32103E)	Side/EH-EH	240V
890929	23103M	Bottom/MSR	240V

Burner Igniters



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

Part No.	Wayne No.	Mounting	Voltage
722404	31813-001 (101122-001)	Side/EH-EHA	120V
722447	31812-001 (101121-001)	Back/M-MSR	120V
722405	31813-002	Side/EH-EHA	240V
079109	31812-002	Back/M-MSR	240V
079106*	23150-001	Module Only	240V
079120	31812-003	Rear Mount	12VDC
079152	31813-003	Side Mount(E)	12VDC

Blower Wheel



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

Fuel Pumps



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

Part No.	Model No.	GPH	RPM	Rotation
Standard Pumps				
079031	A1VA7112	3	1725	RH
079033	A2VC7118	3	3450	LH
079036	A1YA7912	7	1725	RH
919713	A2YA7916	7	3450	RH
079028	A2RA7710	2.5	3450	RH
Pumps with Solenoid				
079038	A2VA2116 w/12V	3	3450	RH
079038-110	A2VA2116 w/110V	3	3450	RH
079038-220	A2VA2116 w/220V	3	3450	RH
Pump Replacement Parts				
948526	3715732 (A2VA 7116)	Pump Fuel Screen		
948527	3715744 (A2AVA 7916)	Pump Fuel Screen		
079045	3779801	Gasket Cover		
079164	Lip Seal			

Oil Solenoid Valve



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

Part No.	Description
944412	110V Oil Valve - R642
728458	220V Oil Valve - New Style
079125	Flow Thru Connector Bolt
079126	Aluminum Seal Washer
079053X	110V Coil w/ Cord Set
079054X	230V Coil w/ Cord Set
079050X	12/24 Coil w/ Cord Set
630764	120V Coil w/o Cord Set
825829	230V Coil w/o Cord Set
079098	12/24VDC Coil w/o Cord Set
079099	Cord Set Only
079047	8mm Nut for Old Style Coil

CleanCut Fuel Pump



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 GPM 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.	Description
830493	110 Volt
830494	220 Volt
830492	12 Volt

Insulation & Rigid Disc / Donuts

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



Part No.	Description	TK/Long	Dia/Wide	OD/ID
"Rigid Formed" Donut & Discs				
122253	Donut	.88"	18"	6"/4.4"
122258	Donut	.88"	16"	6"/4.4"
122254	Disc	1/2"	18"	
122257	Disc	1/2"	16"	
Insulation Blanket				
122204	Coil Wrap	1"	24"	4'
122205	Coil Wrap	1"	24"	5'
122206	Coil Wrap	1"	24"	6'
122222	Full Roll	1/2"	24"	25'
122225	Full Roll	1"	24"	25'

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.	Description
449020	Smoke Tester
449019	Filter Paper Refill*

*40 sheet (10 tests per sheet)

Delavan Fuel Nozzles



Select proper size for maximum burner efficiency.

	GPH
079477	2.00 x 60°W
079479	1.65 x 80°W
079480	1.50 x 80°W
079481	1.75 x 80°W
079482	2.00 x 80°W
079483	2.25 x 80°W
079484	2.50 x 80°W
079486	2.75 x 80°W
079487	3.00 x 80°W
079490	4.00 x 80°W
079505	1.65 x 90°W
079492	2.00 x 90°W

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

GPH	60° A Hollow	60° B Solid	70° A Hollow	70° B Solid	80° A Hollow	80° B Solid	90° A Hollow	90° B Solid
.50	079225	079250	079275	–	079325	–	–	079400
.60	–	–	–	–	079326	079351	079376	–
.65	079227	–	–	–	079327	079352	079377	–
.75	–	079253	–	079303	079328	079353	079378	079403
.85	079229	079254	–	–	079329	079354	–	079404
.90	079230	079255	–	–	900450	079355	079380	–
1.00	079231	079256	799516	079306	079331	079356	900451	079406
1.10	079232	079257	–	–	079332	079357	900449	079407
1.20	079233	079258	079283	–	079333	079358	–	–
1.25	079234	079259	–	079309	079334	900766	079384	079409
1.35	079235	079260	–	079310	900452	900784	079385	079410
1.50	900367	079261	799518	–	079336	900767	900650	079411
1.65	079237	079262	–	–	079337	900768	079387	079412
1.75	079238	079263	079288	079313	079338	900769	079388	901281
2.00	900270	–	–	079314	079339	900771	079389	079414
2.25	079240	079265	–	079315	079340	900773	079390	079415
2.50	079241	079266	079291	–	079341	900775	079391	079416
2.75	079242	079267	–	–	079342	900375	079392	079417
3.00	–	–	079293	–	079343	900777	079393	079418
3.25	079244	–	079294	–	–	079369	900454	079419
3.50	–	079270	–	–	079345	–	079395	079420
4.00	–	–	–	–	079346	079371	900456	079421
5.00	–	–	–	–	–	900783	079398	–
6.00	–	–	–	–	–	079374	–	079425
6.50	–	–	–	–	–	079372	–	–
7.00	–	–	–	–	–	–	–	–
8.00	–	–	–	079324	–	–	–	–

“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.	Description	PSI	
079210	Snap Fuel Valve,	100	
079211	Snap Fuel Valve,	130	
079215	Snap Check Valve, (5 pack)	130	
079214	Snap Check Valve, (5 pack)	100	23.89

Nozzle Accessories



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

Cycle Pilot

Gas Auto Relight Kits. Eliminate standing pilot in gas burners with a cycle pilot relight kit. Retro Fit Kit includes: gas valve, flame sensor, electrode pilot relight and harness.



Part No.	Description	BTU
347425	24V Retrofit Kit (NG)	100,000
347418	24V Retrofit Kit (NG)	335,000
347379	24V Retrofit Kit (NG)	720,000
347416	24V Cycle Pilot Control (347425)	
347440	120V Cycle Pilot Control	
347446	Gas Ignition Electrode (24" Lead)	

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.	Model No.	Jets Req'd	1000 BTUH
Gas Burner Rings Only			
347502	Z-21	20	100-200
615425	X-24	24	130-250
347504	X-11	32	160-320
347506	X-44	44	220-440
347508	X-66	66	330-660
347510	X-88	88	440-880

*Gas jets sold separately.



Gas Jets

Part No.	Drill Size	Orifice Size	Use
Gas Jets for Burner Rings* (above)			
908261	#50		
908269	#51		
347552	#52	(.0635)	NG
908265	#54	(.055)	NG
799052	#57		
908264	#62	(.038)	LP
908668	#65	(.035)	LP
908260	#66	(.033)	LP
908258	#69		
908262	Blank (Must Be Drilled)		

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.	Description
347400	Gas Valve 24V (1)
347410	Gas Valve 120V (2)
347412	Gas Valve 750 MV (1)
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.

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

Part No.	Description
347406	240 Vac/NG, Standing Pilot
347407	24 Vac, NG, Standing Pilot
347403	24 Vac, NG, Electronic Ignition
347409	700 MV, Natural Gas

LP Conversion Kit below

LP Conversion Kit for Robert Shaw

Convert NG to LP



Part No.	Description
347421	1" LP Conversion Kit
347380	LP Orifice

Gas Valve Accessory Components

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



347436



971496

Part No.	Description
347430	750 MV Generator
347431	P110T Pilot Burner (Natural gas)
347436	Thermo Couple (w/ 24") Cap Tube
347438	Thermo Couple (w/ 36") Cap Tube
829858	Pilot Gas LP Gas Orifice HS
829977	Pilot Gas Natural Gas Orifice HS
914162	Pilot Burner & Ignition
971496	Pilot Gas Natural Gas

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.	Description
924889	8" Oil Fired, Barometric Dampener
835526	8", Round
835525	10", Round
835531	12", Round
Rain Caps	
7-10033	10", Exhaust Stack, Cap
7-10034	12", Exhaust Stack, Cap

Electronic Ignition



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

Part No.	Description
7-701510	Ignition Module - NEW
727390	Ignition Electronic Control, Robert Shaw
630615	Ignition Electronic Control, Honeywell
292722	Natural Gas, Separate Pilot & Main Valve
480282	Natural Gas 900/1400 Series
480283	LP Gas 900/1400 Series
960135	Transformer 120 x 24V
960145	Transformer 240 x 24V
890711	Terminal Adapter

Gas Regulators



924897

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

Part No.	Size	Voltage	Model No.	Brand
Natural Gas				
7-700021	3/4" - NEW	24V	VR8304M4002B	Honeywell
924895	3/4"	115V	36C03A41S1	White Rodgers
924904	3/4"	Millivolt	VS820A-1005	Honeywell
924908	3/4"	24V	V800A1328	Honeywell
921431	3/4"	24V	SV9601M4167	Honeywell
924870	1"	24V	700-44J	Robert Shaw
860192	1"	24V	70-05J	Robert Shaw w/ Pilot
971495	1"	24V	7000 DERHC, 5N2501531	Robert Shaw
921320	3/4" Valve		36C12310S1	White Rodgers
LP Gas Regulator Conversion Kits				
924897	Fits White Rodgers - 924895, 924896			
924913	Fits Honeywell - 924904, 924908			
7-702320	Fits Honeywell - 921431			
924868	Fits Honeywell - 971495			
924900	Fits Robert Shaw - 924870			
860123	Fits Robert Shaw - 860192			

Propane Gas Regulators



7-1010

- High quality Fischer regulators
- High and low pressure

Part No.	Description
860121	LP, 3/8" NPT x POL
860283	LP, FPOL x 3/4" FIP
7-1005	High Pressure
7-10050	Low Pressure
7-10052	Regulator, Propane Gas, Fisher
7-1010	LP Assembly, includes High/ Low Pressure Assy

Gas Pilots



Part No.	Description
829858	Pilot Gas LP Gas Orifice HS
829977	Pilot Gas Nat Gas Orifice HS
914162	Pilot Burner & Ignition
971496	Pilot Gas - Nat Gas
7-702371	NEW Pilot - Nat Gas

Propane Gas Hose



Part No.	Description
867210	LP 1/4" x 10' POL x POL
707127	LP 1/2" x 48" 1/2 MNPT BE
707431	LP 1/4" x 18" MPOL BE
707432	LP 3/4" x 16" MNPT BE

Propane Tanks



- Does not contain OPD valve

Part No.	Description
891113	Tank, 43#
7-1014	10.5 gal/ 30 lb
7-1015	10.5 gal/ 30 lb w/ Gauge

NOTE: No Air Freight shipments on the above items

Coil Insulation



873750

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

Part No.	Description
213191	Pancake 18
268008	Insulation Fab Coil
268004	Cerafelt 16 OD x 8.3 ID
268006	Cerafelt 18 x 50
268013	Cerafelt 22.5 x 50
268015	Cerafelt 24 x 56
268016	Cerafelt 6 x 56
873757	Cerafelt 1/2 x 24, Bulk/sqft
873762	Cerafelt 1 x 24, Bulk/sqft
268017	Fiberglass 18 OD x 10.3 ID
873749	Fiberglass 18 OD x 8.0 ID
873751	Fiberglass 29 x 58
873776	Fiberglass 10 x 52
873777	Fiberglass 22.5 x 52
873778	Fiberglass 16 OD x 4.5
873779	Fiberglass 16 OD x 8.3
873786	Fiberglass 18 OD x 10
722418	Fiberglass 8 x 17.5
722423	Fiberglass TBG 50 ID
722411	Fiberglass 16 OD x 10
873750	Tophead 18 OD x 4.0 ID

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.	Description
51302	Case of 12 - 2lbs Containers

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.	Description
Oil Fired	
226222	16", fits 444/550/660, 555, 560, 781, 871, 921, 965 Series
240700	fits 27/28/2900 Series
240834	fits 710/610E, 680, 790, 1060, 1065, 1075 Series
240839	fits 900/1000, 1400 Series
240900	fits 3Z663/5Z021 Series
241100	fits 800E/950/810, 1260, 70, 80, 90 Series
241119	fits 530, Sheetmetal Frame
241172	fits 520/540 Series
241207	fits 5000/9450, 5645, 5700 Series
241291	fits 800 30" HGT
241314	fits 530/610 Series, Angle Frame
95-07104707	fits 680, 770, 870
Gas/Oil Fired	
226235	28" fits 2000 Series
241196	28" fits 9460 Series
Gas Fired	
240219	fits 558, 559
241098	fits 900/1000, 1400 Series
241173	fits 611/530 Series
241208	fits 5000 Series, 9452
241292	fits 800 30" HGT
241313	fits 800 27" HGT
241536	16" fits 551, 558, 559 Series
240841	fits 771, 772