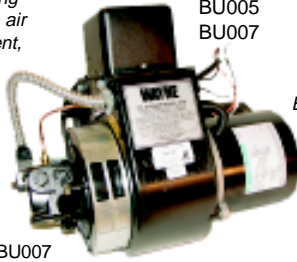




BURNERS

When increasing air flow on the air band adjustment, make sure the burner ignites dependably with a very small puff of smoke.



BU007

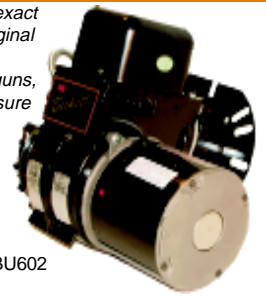
Electrodes should be spaced 1/8" apart and extended 1/8" beyond the end of the fuel nozzle.

WAYNE BURNERS

- BU001 Burner, Wayne 110V 1-2 GPM
- BU005 Burner, Wayne 220V 1-2 GPM
- BU007 Burner, Wayne 110V CAP 2-3 GPM

"WARNING": burner should fire only when water is sprayed; burner must shut off when water flow is stopped.

Burners are set to exact calibration upon original installation. Be sure electrodes, burner guns, rings, and fuel pressure are set to original factory settings.



BU602

BECKETT BURNERS

- BU012 Burner, Beckett 12V DC 2-3 GPM
- BU080 Burner, Beckett 6 GPH CF800
- BU602 Burner, Beckett AFG 230V
- BU605 Burner, Beckett 115V HG

If a transformer goes out and raw fuel is dumped in the burner coil, the fuel will saturate the insulation that surrounds the coil, and will need to be replaced or burner will overheat and smoke excessively.

Be sure to disconnect power including batteries on 12V systems to avoid a 10,000 volt shock when servicing burner.



BMT10

IGNITION TRANSFORMERS

- BMT02 Ignition Transformer 12V, Wayne
- BMT04 Ignition Transformer 12V, Custom Coil (Beckett)
- BMT0H Ignition Transformer 12V, Hi-Temp. Beckett
- BMT10 Ignition Transformer 115V, Wayne
- BMT15 Ignition Transformer 115V, Beckett
- BMT16 Ignition Transformer CF800 - Hoss, Beckett
- BMT20 Ignition Transformer 230V, Wayne
- BMT22 Ignition Transformer 220V, Beckett
- BMT25 Ignition Transformer 240V Iron Core, Beckett

BMT15



BMT04

BURNER MOTORS

- BM514 Burner Motor 12V, Beckett
- BM554 Burner Motor 115V, Wayne
- BM556 Burner Motor 115V, Beckett H2G
- BM560 Burner Motor 230V, Wayne
- BM562 Burner Motor 230V, Beckett
- BM568 Brush Kit, 12V Motor Beckett

BM554



BURNER FILTERS

- BF000 Diesel Filter Cartridge (Case of 12)
- BF015 Fuel Filter, In Line 1/4"
- BF020 Diesel Filter 1/4" Racor
- BF025 Diesel Filter Cartridge



BF020



BF025



BM270- Top view (right), side view (left)



BLOWER WHEELS

- BM270 Blower Wheel 4" 12V Wayne
- BM275 Blower Wheel 12V, Beckett
- BM285 Blower Wheel 5.75", Wayne
- BM289 Blower Wheel 6.25", Wayne



BF015

GAS BURNER PARTS / EXHAUST DIVERTERS

- BGD10 Draft Diverter 10" x 10"
- BGD12 Draft Diverter 12" x 10" 30008 & Before 1998
- HSC59 Exhaust Stack For HX
- HSC60 Exhaust Stack For HP, SS, SC
- BGG11 Ignition Module, Robert Shaw
- BGG15 Ignition Module HW 90 Second
- BGP10 Pilot Asm. HW
- BGP20 NG Tubbing, 1/4" Alum.
- BGT10 Transformer 120/230, 24V HW
- BGV05 NG To LP Conv. Installed, R/S 6/44 BGW71
- BGV06 NG To LP Conv. 660,000 BTU Installed
- BGV07 Gas Valve 3/4" HW
- BGV08 Gas Valve Conv. To LP
- BGV09 Gas Pilot Conv. To LP
- BGV12 Natural Gas Valve 1"
- BGW36 NG Ignition Wire Asm. 47"
- BGW45 Boot For Ignition Wire
- BGW70 Burner Ring X44 W/ NG Jets
- BGW71 Natural Gas Burner Nozzle
- BGW75 LP Burner Jet
- BGW80 NG/LP Burner Plug 1/8"

Natural gas installations above 2000' elevation requires custom modifications to be made.

Natural Gas Pipe Chart: For 450,000 BTU

Length	Pipe Size
0 - 50'	1 1/4"
51 - 150'	1 1/2"
151 - 200'	2"

SATURATED WATER SUBSTANCE (Boiling Point of Water at Various Pressures)

PSI	TEMPERATURE
30	250
100	327
500	467
3000	544

OIL BURNER PARTS

- BM017 Burner Gasket 4"
- BM018 Burner Gun Asm. EHA
- BM019 Gasket, Beckett 80C
- BM020 Burner Gun, Beckett 12V
- BM156 Burner Tune-Up Kit
- BM157 Transformer Hold Down Clip
- BM158 Screw For Hold Down Clip
- BM159 Burner Air Tub & Flame Head
- BM250 Beckett AFG
- BM252 Air Band, Beckett 80C
- BM254 Air Shutter, Beckett ADC
- BMC20 Cad Cell
- BMC24 Primary Control-CF800/HOSS
- BMC40 Ignition Control Board
- BME10 Burner Electrode, Beckett

FUEL PUMPS & FUEL PUMP PARTS

- BPA10 Fuel Pump Module For Wayner Burners
- BPA15 Fuel Pump W/ Solenoid - Suntec
- BPV02 Fuel Valve 12V
- BPV10 Fuel Valve 120V
- BPV14 Coil, Fuel Valve 110V
- BPV19 Coil, Fuel Valve 220V
- BPV20 Fuel Valve 220V
- CB200 Soot Remover

Before replacing a fuel pump, check condition of diesel filter for adequate flow or air leaks.



CHEMICALS

- CB200 Soot Remover

FUEL NOZZLES

- BZ100 Fuel Nozzle 1.00 70 B
- BZ120 Fuel Nozzle 1.20 80 B Protek
- BZ125 Fuel Nozzle 1.25 80 B
- BZ135 Fuel Nozzle 1.35 80 B
- BZ150 Fuel Nozzle 1.50 80 B
- BZ175 Fuel Nozzle 1.75 80 B
- BZ200 Fuel Nozzle 2.00 80 B
- BZ225 Fuel Nozzle 2.25 80 B
- BZ226 Fuel Nozzle 2.25 80 A
- BZ250 Fuel Nozzle 2.50 80 B
- BZ255 Fuel Nozzle 2.50 80 A
- BZ275 Fuel Nozzle 2.75 80 B
- BZ276 Fuel Nozzle 2.75 90 B
- BZ300 Fuel Nozzle 3.00 90 B
- BZ325 Fuel Nozzle 3.25 90 B
- BZ350 Fuel Nozzle 3.50 90 B
- BZ550 Fuel Nozzle 5.50 80 B

Burner	Fuel Pressure Setting
BU001	100 To 120 PSI
BU005	100 To 125 PSI
BU007	100 To 120 PSI
BU012	110 To 140 PSI
BU080	100 To 110 PSI
BU602	110 To 130 PSI
BU605	120 @ 2 GPM / 160 @ 3 GPM

Fuel pressure should be set by a qualified technician.

Hydro Man Tip: Be sure burner maintenance is performed to schedule. Keep the flame retention head and electrodes clean and set air flow between #1 & #2 smoke check. Air band adjustments need to be made above 2,000 foot elevation.