

## *AES Informational Bulletin*

### **Models & Information**

**Product models covered:** All models of Biomass/Corn/Wood Pellet/Wood Magnum appliances. All models of Biomass/Corn/Wood Pellet/Wood Country Flame Technology appliances.

**Topic:** This technical bulletin will be addressing each model of the Magnum and Country Flame lines and parts information i.e. part numbers, motors, amperage, volts, rpms, cfms, gasketing and more.

#### **Magnum**

##### *Countryside*

Room Fan: part# MF3541, 1500 rpms, 230 cfms, 120 volts, 1.0 amp

Auger Safety Switch: part# MF3536, Cherry switch snap action, 120 volts, Grainger# 6X292

Low Limit Safety Sensor: part# MF3537, 110°, normally open

High Limit Safety Sensor: part# MF3538, 250°, normally closed, auto-reset

Fuel Stirrer Motor: part# MF3540, 2 rpms, runs counter clockwise, 120 volts, 1.0 amp

Exhaust/Draft Blower: part# CF3542, 3000 rpms, 85 cfms, 120 volts, 1.05 amps

Exhaust/Draft Blower: (Old model) part# MF3542, 3000 rpms, 75 cfms, 120 volts, .95 amps

With high out put fan blade installed: part# MF3614, 85 cfms

Auger Motor: part# MF3573, 4.7 rpms, runs clockwise, 120 volts, 1.0 amp, 150 lbs. torque/sq inch

Wire Harness: part# P003232

Control Board: part# MF3593

5 amp fuse

Door Glass Gasketing Rope, Black: part# R-131, 5/16", approximately 4'

Door Gasketing Rope, Black: part# R0080, 1/2", approximately 5'

##### *Baby Countryside*

##### *AC Models*

Room Fan: part# MF3541, 1500 rpms, 230 cfms, 120 volts, 1.0 amp

Low Limit Safety Sensor: part# RP2045, 110°, normally open

High Limit Safety Sensor: part# RP2050, 225°, normally closed, manual-reset

Exhaust/Draft Blower: part# CF3542, (includes MF3537), 3000 rpms, 85 cfms, 120 volts, 1.05 amps

High Output Exhaust Fan Blade: part# MF3614

2 Speed Exhaust/Draft Blower: part# MF3650, 3500 rpms, 71-105 cfms, 120 volts, .5-1.3 amps

Auger Motor: part# RP2022, 2 rpms, runs clockwise, 120 volts, .85 amps, 180" lb stall torque with 87" lb load

Wire Harness: part# RP2063

Control Board: part# RP2007

5 amp fuse

Igniter: part# RP2009 igniter replacement, failing point is 175 watts based on 115 line voltage = 1.52 amps, 76 Ohms

Igniter: part# BC2500 full igniter replacement, failing point is 175 watts based on 115 line voltage = 1.52 amps, 76 Ohms

Vacuum Pressure: part# RT080 Differential pressure switch, .07 actuation pressures, 5 AC volts

Door Glass Gasketing Rope, Black: part# R-131, 5/16", approximately 4'

Door Gasketing Rope, Black: part# R0080, 1/2", approximately 5'

### ***DC Models***

Room Fan: part# RP2036, 1500 rpms, 230 cfms, 12 volts DC, 2.1 amps,  
Vacuum Pressure Switch: part# RT080 Differential pressure switch, .07 actuation pressures, 5 AC  
Low Limit Safety Sensor: part# RP2045, 110°, normally open  
High Limit Safety Sensor: part# RP2050, 225°, normally closed, manual-reset  
Exhaust/Draft Blower: part# RP2027, 3000 rpms, 65 cfms, 12 volt dc, 2.3 amps  
High Output Exhaust Fan Blade: part# MF3642  
Auger Motor: part# RP2020, 2 rpms, runs clockwise, .1 amps  
Wire Harness: part# RP2062  
Control Board: part# RP2015  
5 amp fuse  
Power Supply: part# RP2011, 12 DC volt output  
Igniter: part# RP2009 igniter replacement, failing point is 175 watts based on 115 line voltage = 1.52  
amps, 76 Ohms  
Igniter: part# BC2500 full igniter replacement, failing point is 175 watts based on 115 line voltage =  
1.52 amps, 76 Ohms

### ***Winchester***

#### ***AC Models***

Room Fan: part# MF3541, 1500 rpms, 230 cfms, 120 volts, 1.0 amp  
Auger Safety Switch: part# MF3536, Cherry switch snap action, 120 volts, Grainger# 6X292  
Low Limit Safety Sensor: part# RP2045, 110°, normally open  
High Limit Safety Sensor: part# RP2050, 225°, normally closed, manual-reset  
Exhaust/Draft Blower: part# CF3542, (includes MF3537), 3000 rpms, 85 cfms, 120 volts, 1.05 amps  
High Output Exhaust Fan Blade: part# MF3614  
2 Speed Exhaust/Draft Blower: part# MF3650, 3500 rpms, 71-105 cfms, 120 volts, .5-1.3 amps  
Auger Motor: part# RP2022, 2 rpms, runs clockwise, 120 volts, .85 amps  
Wire Harness: part# RP2063  
Control Board: part# RP2007  
5 amp fuse  
Igniter: part# RP2009 igniter replacement, failing point is 175 watts based on 115 line voltage = 1.52  
amps, 76 Ohms  
Igniter: part# BC2500 full igniter replacement, failing point is 175 watts based on 115 line voltage =  
1.52 amps, 76 Ohms  
Vacuum Pressure: part# RT080 Differential pressure switch, .07 actuation pressures, 5 AC volts  
Door Glass Gasketing Tape: part# R0082, 1/8" x 3/4", approximately 5'  
Door Gasketing Rope: 3/4", approximately 5'

### ***DC Models***

Room Fan: part# RP2036, 1500 rpms, 230 cfms, 12 volts DC, 2.1 amps  
Vacuum Pressure Switch: part# RT080 Differential pressure switch, .07 actuation pressures, 5 AC  
Auger Safety Switch: part# MF3536, Cherry switch snap action, 120 volts, Grainger# 6X292  
Low Limit Safety Sensor: part# RP2045, 110°, normally open  
High Limit Safety Sensor: part# RP2050, 225°, normally closed, manual-reset  
Exhaust/Draft Blower: part# RP2027, 3000 rpms, 65 cfms, 12 volt dc, 2.3 amps  
High Output Exhaust Fan Blade: part# MF3642  
Auger Motor: part# RP2020, 2 rpms, runs clockwise, .1 amps  
Wire Harness: part# RP2062  
Control Board: part# RP2015  
5 amp fuse  
Power Supply: part# RP2011, 12 DC volt output

Igniter: part# RP2009 igniter replacement, failing point is 175 watts based on 115 line voltage = 1.52 amps, 76 Ohms

Igniter: part# BC2500 full igniter replacement, failing point is 175 watts based on 115 line voltage = 1.52 amps, 76 Ohms

### ***7500 furnace***

Room Fan: part# CF25, 1/3 hp, 1075 rpms, 1250 cfms, 120 volts, 4.9 amps, 1 speed

Room Blower/Motor ONLY: part# CF33, 1/3 hp, 1075 rpms, 1250 cfms, 120 volts, 4.9 amps, 1 speed

Fan Limit Control: part# CF23, Grainer# 2E232

Low Limit Safety Sensor: part# MF3537, 110°, normally open

High Limit Safety Sensor: part# RP2050, 225°, normally closed, manual-reset

Fuel Stirrer Motor: part# MF3540, 2 rpms, runs counter clockwise, 120 volts, 1.0 amp

Exhaust/Draft Blower: part# CF3542, 3000 rpms, 85 cfms, 120 volts, 1.05 amps

Auger Motor: part# CF26, 8 rpms, runs clockwise, 120 volts, 1.3 amps

Wire Harness: part# P7730

Control Board: part# MF3593

5 amp fuse

Static Pressure: .4

Door Glass Gasketing Rope, Black: part# R-131, 5/16", approximately 4'

Door Gasketing Rope, Black: part# R0080, 1/2", approximately 5'

### ***6500 furnace***

Room Fan: part# CF25, 1/3 hp, 1075 rpms, 1250 cfms, 120 volts, 4.9 amps, 1 speed

Room Blower/Motor ONLY: part# CF33, 1075 rpms, 1250 cfms, 120 volts, 4.9 amps, 1 speed

Low Limit Safety Sensor: part# MF3537, 110°, normally open

High Limit Safety Sensor: part# RP2050, 225°, normally closed, manual-reset

Exhaust/Draft Blower: part# CF3542, 3000 rpms, 85 cfms, 120 volts, 1.05 amps

Auger Motor: part# MF3573, 4.7 rpms, runs clockwise, 120 volts, 1.0 amp

Wire Harness: part# P7730

Control Board: part# MF3594

5 amp fuse

Vacuum Pressure: part# RT080 Differential pressure switch, .07 actuation pressures, 5 AC volts

Static Pressure: .4

Door Glass Gasketing Rope, Black: part# R-131, 5/16", approximately 4'

Door Gasketing Rope, Black: part# R0080, 1/2", approximately 5'

### ***Magnum ZC (Zero Clearance)***

Room Fan: part# ZC-45 (kit includes fan, junction box and variable speed switch)

Room Fan Heat Sensor Kit: part # ZC-46, 110° low limit safety sensor, normally open

Room Fan Blower: part# ZC-45B (blower ONLY no speed switch)

Room fan: part# PP-1158 rpms, 120 volts, 1.3 amps, 120 cfms.

Junction box: part# P991, electrical box

Variable speed switch: part# R6E897, Grainger switch

Low Limit Safety Sensor: part# MF3537, 110°, normally open

Door Glass Gasketing Rope, Black: part# R-131, 5/16", approximately 9'

Door Gasketing Rope, Black: part# R-133, 3/8", approximately 7'

Door Gasketing Rope, Black: part# R0083, 3/16", approximately 2'

### **Country Flame Line**

#### ***Crossfire-04 Flex***

Room Fan: part# PP-355, 1500 rpms, 160 cfms, 120 volts, 1.2 amps

Low Limit Safety Sensor: part# MF3537, 110°, normally open

Low Limit Safety Sensor: part# PP-91, 110°, normally open, ceramic  
High Limit Safety Sensor: part# MF3538, 250°, normally closed, auto-reset  
Exhaust/Draft Blower: part# PP-353, 3000 rpms, 79 cfms, 120 volts, 2.1 amps  
Auger Motor: part# PP-535-1, 1.1 rpms, runs clockwise, ½" shaft, 120 volts, 1.0 amp  
Fuel Stirrer Motor: part# PP-535-1, 1.1 rpms, runs clockwise, ½" shaft, 120 volts, 1.0 amp  
Wire Harness: part# PP-1030  
Control Board: part# NPS-1005-C  
Chip: part# 58-0201-00  
6 amp fuse  
Vacuum Pressure: part# PP-352, .07" of water column  
Door Glass Gasketing Tape: part# R0082, 1/8" x 3/4", approximately 4'  
Door Gasketing Rope, White: PP-87, ¾", approximately 5'

### ***Crossfire-04 Corn***

Room Fan: part# PP-355, 1500 rpms, 160 cfms, 120 volts, 1.2 amps  
Low Limit Safety Sensor: part# RP2045, 110°, normally open  
High Limit Safety Sensor: part# MF3538, 250°, normally closed, auto-reset  
Exhaust/Draft Blower: part# PP-353, 3000 rpms, 79 cfms, 120 volts, 2.1 amps  
Auger Motor: part# PP-535-1, 1.1 rpms, runs clockwise, ½" shaft, 120 volts, 1.0 amp  
Fuel Stirrer Motor: part# PP-535-1, 1.1 rpms, runs clockwise, ½" shaft, 120 volts, 1.0 amp  
Wire Harness: part# PP-1030  
Control Board: part# NPS-1005-C  
Chip: part# 58-0201-00  
6 amp fuse  
Vacuum Pressure: part# PP-352, .07" of water column  
Door Glass Gasketing Tape: part# R0082, 1/8" x 3/4", approximately 4'  
Door Gasketing Rope, White: PP-87, ¾", approximately 5'

### ***Crossfire-04 Pellet***

Room Fan: part# PP-355, 1500 rpms, 160 cfms, 120 volts, 1.2 amps  
Low Limit Safety Sensor: part# RP2045, 110°, normally open  
High Limit Safety Sensor: part# MF3538, 250°, normally closed, auto-reset  
Exhaust/Draft Blower: part# PP-353, 3000 rpms, 79 cfms, 120 volts, 2.1 amps  
Auger Motor: part# PP-535-1, 1.1 rpms, runs clockwise, ½" shaft, 120 volts, 1.0 amp  
Fuel Stirrer Motor: part# PP-535-1, 1.1 rpms, runs clockwise, ½" shaft, 120 volts, 1.0 amp  
Wire Harness: part# PP-1030  
Wire Harness blower: part# PP-1030-1  
Control Board: part# NPS-1005-CF  
Chip: part# 58-0202-00  
6 amp fuse  
Igniter: part# PP-664 Solid Core 200W, 1.74 amps, 66 ohms  
Vacuum Pressure: part# PP-352, .07" of water column  
Door Glass Gasketing Tape: part# R0082, 1/8" x 3/4", approximately 4'  
Door Gasketing Rope, White: PP-87, ¾", approximately 5'

### ***Little Rascal***

Room Fan: part# PP-355, 1500 rpms, 160 cfms, 120 volts, 1.2 amps  
Low Limit Safety Sensor: part# RP2045, 110°, normally open  
High Limit Safety Sensor: part# MF3538, 250°, normally closed, auto-reset  
Exhaust/Draft Blower: part# PP-353, 3000 rpms, 79 cfms, 120 volts, 2.1 amps  
Auger Motor: part# PP-535-1, 1.1 rpms, runs clockwise, ½" shaft, 120 volts, 1.0 amp  
Wire Harness: part# PP-1030  
Control Board: part# NPS-1005-P

Chip: part# 58-0200-00

6 amp fuse

Igniter: part# PP-664 Solid Core 200W, 1.74 amps, 66 ohms

Vacuum Pressure: part# PP-352, .07" of water column

Door Glass Gasketing Tape: part# R0082, 1/8" x 3/4", approximately 5'

Door Gasketing Rope: PP-87, 3/4", approximately 5'

### ***Harvester***

Room Fan: part# PP-355, 1500 rpms, 160 cfms, 120 volts, 1.2 amps

Low Limit Safety Sensor: part# RP2045, 110°, normally open

High Limit Safety Sensor: part# MF3538, 250°, normally closed, auto-reset

Exhaust/Draft Blower: part# PP-353, 3000 rpms, 79 cfms, 120 volts, 2.1 amps

Auger Motor: part# PP-535-1, 1.1 rpms, runs clockwise, 1/2" shaft, 120 volts, 1.0 amps

Fuel Stirrer Motor: part# PP-535-1, 1.1 rpms, runs clockwise, 1/2" shaft, 120 volts, 1.0 amps

Wire Harness: part# PP-1030

Control Board: part# NPS-1005-C

Chip: part# 58-0201-00

6 amp fuse

Vacuum Pressure: part# PP-352, .07" of water column

Door Glass Gasketing Tape: part# R0082, 1/8" x 3/4", approximately 4'

Door Gasketing Rope, White: PP-87, 3/4", approximately 5'

Side Glass Gasketing Tape: part# PP-814, 1/8" x 1/2", approximately 5'

### ***BBF***

Low Limit Safety Sensor: part# RP2045, 110°, normally open

Rheostat 2800: part# PP-350, no on/off

Wire Harness: part# 1159

Switch SPDT Rocker: part# 58-0103-00

Fan Assemble: part# PP-574, 600 cfms

Door Glass Gasketing Tape: part# R0082, 1/8" x 3/4", approximately 5'

Door Gasketing Rope: PP-87, 3/4", approximately 6'

Side Glass Gasketing Tape: part# PP-814, 1/8" x 1/2", approximately 5'

### ***Model O2/Ovation Bay Flame Insert***

Low Limit Safety Sensor: part# RP2045, 110°, normally open

Switch SPDT Rocker: part# PP-637

O2 Blower RH: part# PP-69, 3000 rpms, 120 volt, 1.0 amp, outlet size 4 1/2" x 1 1/2"

O2 Blower LH: part# PP-69-1, 3000 rpms, 120 volt, 1.0 amp, outlet size 4 1/2" x 1 1/2"

Wire Harness: part# 58-0008-00

Door Glass Gasketing Tape: part# R0082, 1/8" x 3/4", approximately 4'

Door Gasketing Rope: PP-87, 3/4", approximately 5'

Side Glass Gasketing Tape: part# PP-814, 1/8" x 1/2", approximately 5'

### ***Inglenook***

Low Limit Safety Sensor: part# RP2045, 110°, normally open

Room fan: part# PP-1158(ZC-45) rpms, 120 volts, 1.3 amps, 120 cfms

Door Glass Gasketing Tape: part# R0082, 1/8" x 3/4", approximately 6'

Door Gasketing Rope: PP-87, 3/4", approximately 7'

### ***Smart Fireplace Furnaces 33, 37, 42***

Blower: part# PP-558,

Snap Disc ceramic: part# PP-91, 110°, normally open, ceramic

Rheostat 2800: part# PP-350, no on/off

Thermostat wall: part# PP-563

***Ovation, 2100, 3000***

Blower Option: part# OV-6200

Low Limit Safety Sensor: part# RP2045, 110°, normally open

Rheostat 2800: part# PP-350, no on/off

Room Fan: part# PP-79, 3000 rpms, 120 volt, .9 amps

Door Glass Gasketing Tape: part# R0082, 1/8" x 3/4", approximately 5'

Door Gasketing Rope: PP-87, 3/4", approximately 5'

Side Glass Gasketing Tape: part# PP-814, 1/8" x 1/2", approximately 5'

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