

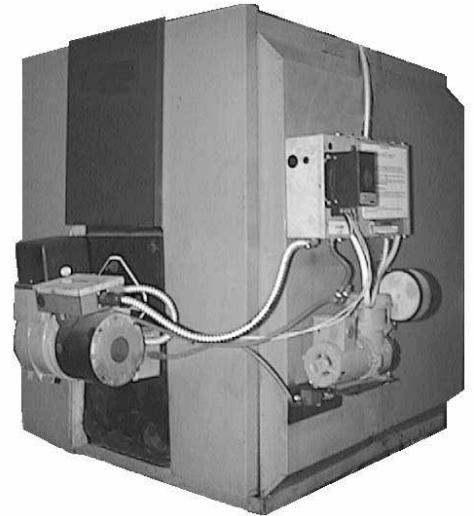
IMPORTANT

1. Always include complete heater model and serial number so that any specification change can be considered for parts shipment. It can save time and expense.
2. Used-oil heaters are not approved for sale in California.
3. We reserve the right to substitute functional replacements.
4. Specifications are subject to change without notice.

IMPORTANT NOTE Regarding RAB500:
Effective 20 JAN 2006, model RAB size 500 was changed from a 230V system to a 120V system. The cartridge heater, air compressor, burner, and hour meter were affected.
Select replacement parts carefully.

Replacement Parts

Applies to: **Used-Oil Fired Boiler, Model RAB**



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Rating Plate and Serial No.

| | |
|--|--|
| REZNOR | |
| MERCER, PA. USA 16137 | |
| HOT WATER BOILER | |
| ETL CERTIFIED TO UL STANDARD 296A AND CSA B140.0.03 | |
| FOR INDUSTRIAL / COMMERCIAL USE ONLY | |
| FOR USE WITH INTEGRAL GROUP 1 OR 2 PRIMARY | |
| SAFETY CONTROLS. SUITABLE FOR NO. 2 FUEL OIL AND | |
| USED OIL RANGING FROM ATF TO SAE 50. | |
| MODEL [A] | |
| SERIAL NO. | |
| USE COPPER CONDUCTORS ONLY. | |
| [B] VOLTS [C] PHASE [D] HERTZ [E] AMPS | |
| * MINIMUM CIRCUIT AMPACITY [F] AMPS | |
| * MAXIMUM UNIT FUSE [G] AMPS | |
| FIRING RATE [H] G.P.H. | |
| INPUT RATE DEPENDS ON BTU CONTENT OF THE USED OIL. | |
| NOTE: THE FIRING RATE OF STRAIGHT NUMBER 2 OIL WILL | |
| BE 10% LESS | |
| MAXIMUM OVERFIRE PRESSURE [J] IN. W.C. | |
| FLUE OUTLET PRESSURE RANGE [K] IN. W.C. | |
| MINIMUM CLEARANCE TO COMBUSTIBLES | |
| FRONT - [L] ; REAR - [M] | |
| SIDE WITH ELECTRIC BOX - [N] | |
| SIDE OPPOSITE ELECTRIC BOX - [O] | |
| FLUE - [P] | |
| REPLACEMENT NOZZLES MUST BE PURCHASED FROM REZNOR | |
| REFER TO THE INSTALLATION MANUAL FOR FURTHER INFORMATION. | |
| * DOES NOT INCLUDE FIELD INSTALLED WATER CIRCULATING PUMP. | |

Rating Plate Key:

- A** Model No.
- B** Volts
- C** Phase
- D** Hertz
- E** Amps
- F** Minimum Circuit Ampacity
- G** Maximum Unit Fuse
- H** Firing Rate (GPH)
- I** Input Rate (BTU/HR)
- J** Maximum Overfire Pressure (IN WC)
- K** Flue Outlet Pressure Range (IN WC)
- L** Front Clearance (inches)
- M** Rear Clearance (inches)
- N** Side with Electrical Box Clearance (inches)
- O** Side without Electrical Box Clearance (inches)
- P** Flue Pipe Clearance (inches)

Serial No. Key

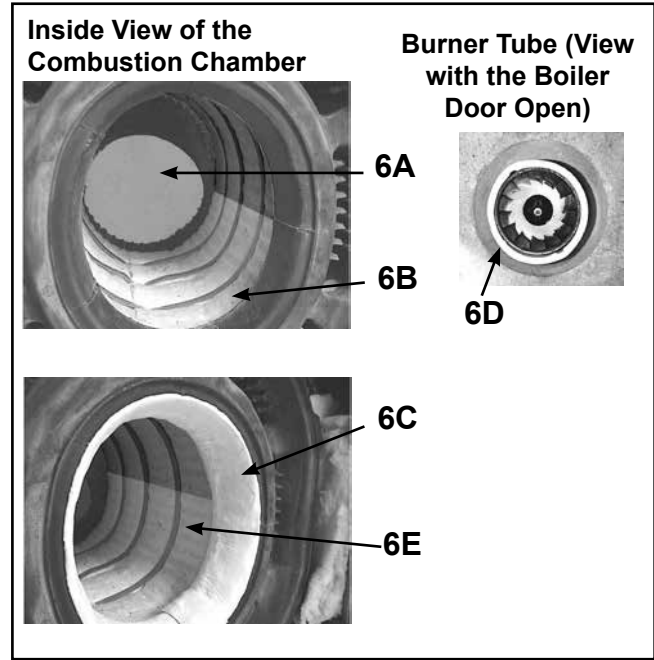
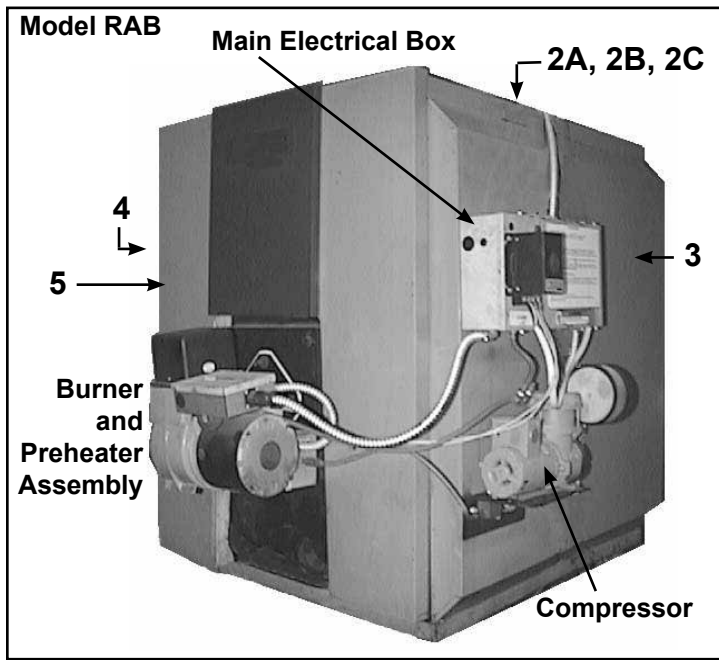
- Example:** AZA 140 B 0000
- | | | | | |
|--|---|---|---|---|
| | 1 | 2 | 3 | 4 |
|--|---|---|---|---|
- 1 Date of Manufacture (refer to table below)
 - 2 Size (BTUH Input)
 - 3 Boiler Model
 - 4 Consecutive Number for Manufacturing

| Serial Number Date Codes (Month and Year) | | | | | | | | | | | | |
|---|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Year | Month | | | | | | | | | | | |
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
| 1998 | AXA | AXB | AXC | AXD | AXE | AXF | AXG | AXH | AXI | AXJ | AXK | AXL |
| 1999 | AYA | AYB | AYC | AYD | AYE | AYF | AYG | AYH | AYI | AYJ | AYK | AYL |
| 2000 | AZA | AZB | AZC | AZD | AZE | AZF | AZG | AZH | AZI | AZJ | AZK | AZL |
| 2001 | BAA | BAB | BAC | BAD | BAE | BAF | BAG | BAH | BAI | BAJ | BAK | BAL |
| 2002 | BBA | BBB | BBC | BBD | BBE | BBF | BBG | BBH | BBI | BBJ | BBK | BBL |
| 2003 | BCA | BCB | BCC | BCD | BCE | BCF | BCG | BCH | BCI | BCJ | BCK | BCL |
| 2004 | BDA | BDB | BDC | BDD | BDE | BDF | BDG | BDH | BDI | BDJ | BDK | BDL |
| 2005 | BEA | BEB | BEC | BED | BEE | BEF | BEG | BEH | BEI | BEJ | BEK | BEL |
| 2006 | BFA | BFB | BFC | BFD | BFE | BFF | BFG | BFH | BFI | BFJ | BFK | BFL |
| 2007 | BGA | BGB | BGC | BGD | BGE | BGF | BGG | BGH | BGI | BGJ | BGK | BGL |
| 2008 | BHA | BHB | BHC | BHD | BHE | BHF | BHG | BHH | BHI | BHJ | BHK | BHL |
| 2009 | BIA | BIB | BIC | BID | BIE | BIF | BIG | BIH | BII | BIJ | BIK | BIL |
| 2010 | BJA | BJB | BJC | BJD | BJE | BJF | BJG | BJH | BJI | BJJ | BJK | BJL |
| 2011 | BKA | BKB | BKC | BKD | BKE | BKF | BKG | BKH | BKI | BKJ | BKK | BKL |
| 2012 | BLA | BLB | BLC | BLD | BLE | BLF | BLG | BLH | BLI | BLJ | BLK | BLL |
| 2018 | BRA | BRB | BRC | BRD | BRE | BRF | BRG | BRH | BRI | BRJ | BRK | BRL |
| 2019 | BSA | BSB | BSC | BSD | BSE | BSF | BSG | BSH | BSI | BSJ | BSK | BSL |
| 2020 | BTA | BTB | BTC | BSD | BTE | BTF | BTG | BTH | BTI | BTJ | BTK | BTL |
| 2021 | BUA | BUB | BUC | BUD | BUE | BUF | BUG | BUH | BUI | BUJ | BUK | BUL |
| 2022 | BVA | BVB | BVC | BVD | BVE | BVF | BVG | BVH | BVI | BVJ | BVK | BVL |
| 2023 | BWA | BWB | BWC | BWD | BWE | BWF | BWG | BWH | BWI | BWJ | BWK | BWL |
| 2024 | BXA | BXB | BXC | BXD | BXE | BXF | BXG | BXH | BXI | BXJ | BXK | BXL |
| 2025 | BYA | BYB | BYC | BYD | BYE | BYF | BYG | BYH | BYI | BYJ | BYK | BYL |

REFERENCES:


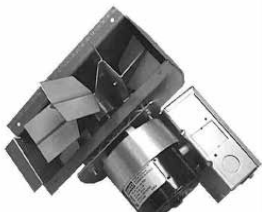

- Website.....www.ReznorHeaters.com
- Installation and Maintenance.....Form I-RAB (PN 175758)
- Liner Kit Instructions.....Form CP-RAB Liner (PN 175996)
- Model OT Oil Tank.....Contact Distributor

Outer Panels, Boiler, and Liner



| Code | Description | 140 | 235 | 350 | 500 |
|------|---|---|--------|--------------------------------|--------|
| 1 | Boiler Assembly (not illustrated) | 175104 | 175105 | 175106 | 175107 |
| 2A | Top Cover Panel | 175116 | 175120 | — | |
| 2B | Front Top Cover Panel | — | | 175123 | 175127 |
| 2C | Rear Top Cover Panel | — | | 194489 | 194490 |
| 3 | Right Side Cover Panel | 175117 | 175121 | 175124 | 175128 |
| 4 | Left Side Cover Panel | 175118 | 175122 | 175125 | 175129 |
| 5 | Front Cover Panel | 175119 | | 175126 | |
| 6 | Replacement Liner and Burner Tube Insulator Kit | 175994 | | 175995 | |
| 6A | Combustion Chamber Back Plate Liner | 174682 | | | |
| 6B | Combustion Chamber Liner Sleeve | 174701 | | 174700 | |
| 6C | Combustion Chamber Opening Liner | — | | 174702 | |
| 6D | Burner Tube Insulator | 174703 | | | |
| 6E | Metal Bands to support liner during hardening | (3) 176299 | | | |
| 7 | Combustion Chamber Liner Repair Sealer | 176148 (caulking tube) | | | |
| 8 | Boiler Door Insulation, Small Piece (not illustrated) | 179322, Buderus #5335896, G215 | | 179325, Buderus #5335830, G315 | |
| 9 | Boiler Door Insulation, Large Piece (not illustrated) | 179323, Buderus #5335898, G215 | | 179326, Buderus #5335946, G315 | |
| 10 | Boiler Front Insulating Ring (not illustrated) | 179324, Buderus #5335894, G215 | | — | |
| 11 | Cleaning Brush Set | 194618 | | 194619 | |
| 12 | Sight Glass Flange, Buderus #5438-166 | 205425 | | | |
| 13 | Sight Glass Gasket, Buderus #57752-520 | 205426 | | | |
| 14 | Sight Glass, Buderus #5438-172 | 205427 | | | |
| 15 | Blank Burner Plate, Buderus #5431-290 | 205428 | | | |
| 16 | Hinge, Buderus #5327-443 | 205429 | | | |
| 17 | 3" Discharge Fitting (water), Flange Mount | 214390 (with one (1) 3/4" fitting and four (4) 1" fittings) | | | |
| 18 | 3" Return Fitting (water), Flange Mount | 214391 | | | |

Draft Regulator, Draft Inducer, and Vent Cap

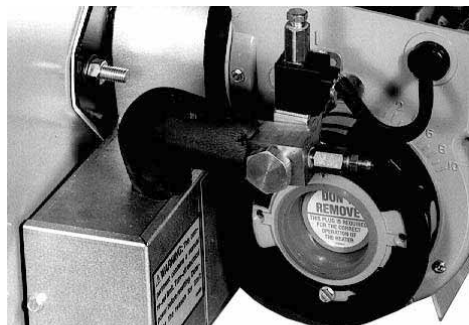
| | | |
|---|--|---|
| <p>Code 19A - Draft Regulator All Sizes - PN 37865</p>  | <p>Code 19B - Draft Inducer Sizes 140, 235–115 volt, PN 174705 Size 350, 500–115 volt, PN 175993</p>  | <p>Code 19C - Vent Cap All Sizes - 8", PN 147149</p>  |
|---|--|---|

Fuel Pre-Heater System

*See IMPORTANT NOTE on page 1.

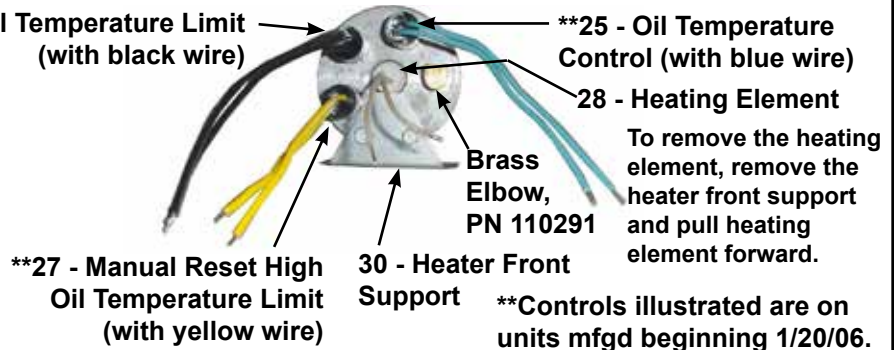
| Code | Description | 140/235 | 350 | 500* |
|------|---|---|-----------------------|---|
| 20 | Fuel Pre-heater Box (less Codes 21 and 22) | 104784 | | |
| 21 | Fuel Pre-heater Box Front | 104788 | | |
| 22 | Fuel Pre-heater Box Corner | 104789 | | |
| 23 | Band (from pre-heater box around burner tube) - not illustrated | 179313 | | |
| 24 | Oil Primary Heater Assembly (includes 2-piece aluminum cylinder, end cap, and O-ring, Code 24A) | 101916 | | |
| 24A | Replacement O-ring for Oil Heater cylinder | 132224 | | |
| 25 | Oil Temperature Control, 160°F Open/150°F Close | 256292 (replaces 210761) | | |
| 26 | Low Oil Temperature Limit, 155°F, Honeywell 2455RPV8755003 | 210762 (replaces 105319 identified by yellow dot) | | |
| 27 | High Oil Temperature Limit, 220°F, Honeywell 2455RPV8755001 | 210763 (replaces 105320) | | |
| 28 | Heater, Hotwatt #SC75-6 | 106953, 300-watt/115V | 209190, 500-watt/115V | 209190, 770W, 120V (beginning 1/20/06) 157048, 770W, 230V (prior to 1/20/06) |
| 29 | Copper/Brass Pipe, 1/8" NPT x 2-1/2" L | 107122 | | |
| 30 | Pre-Heater Front Support | 104787 | | |

Oil Preheating System



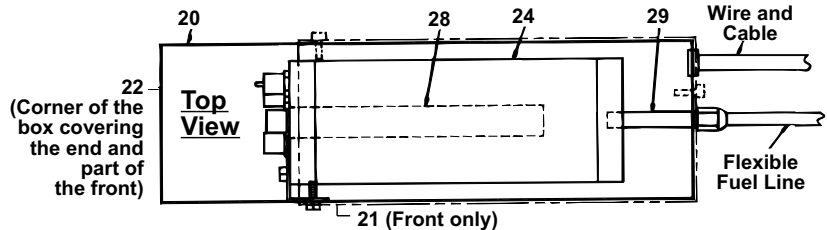
Preheater is located in the box (Codes 20, 21, and 22) below and behind the burner assembly

**26 - Low Oil Temperature Limit (with black wire)



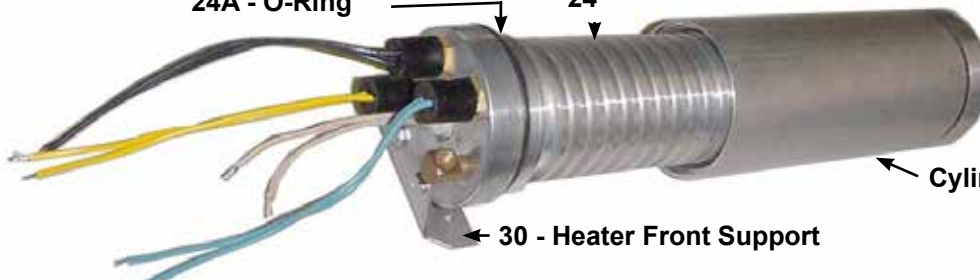
To remove the heating element, remove the heater front support and pull heating element forward.

**Controls illustrated are on units mfgd beginning 1/20/06.



24A - O-Ring

24



Oil is heated as it flows around the cylinder.

Burner and Fuel Lines

| Code | Description | 140/235 | 350 | 500* |
|------|--|-------------------------------|--------|--|
| 31 | Burner Housing Assembly | 121350 | 130647 | 209189, 120V (beginning 1/20/06) 157849, 230V (prior to 1/20/06) |
| 31A | Burner Assembly Gasket | 103420, Beckett #3416 | | |
| 31B | Combustion Air Blower Wheel | 107027, Beckett #2999 | | |
| 31C | Flame Cone Assembly | 104774 | 140346 | 163125, Beckett #2288U 131273 |
| 31D | Burner Motor | 41598, Beckett #2-456, 1/7 HP | | 216341, 120V, Beckett #2364U (beginning 1/20/06) 163127, 230V, Beckett #21173U (prior to 1/20/06) |
| 31E | Air Guide, Beckett #31231 | 147096 | | — |
| 32 | Burner Tube Insulator (Same as CODE 6D, page 2) | 174703 | | |
| 33 | Transformer with Gaskets and Electrode/Transformer Connectors (includes CODES 33A and 33B) | 101332, 120V | | 220627, 120V, Beckett 2289U (beginning 1/20/06) 220628, 230V, Beckett #21176U (prior to 1/20/06) |

| Code | Description | 140/235 | 350 | 500* |
|------|--|---------|---------------------------|-------------------------------|
| 33A | Electrode/Transformer Connector only | | | (2) 137576 |
| 33B | #10 Hex Nut for attaching connector to transformer | | | (4) 26490 |
| 34 | Cad Cell Detector and Eye | | | 123195, Honeywell #C554A-1794 |
| 35 | Manual Reset Limit (flame rollout) Switch and Bracket Flame Rollout Switch Retrofit Kit - for boilers mfgd before 4/00 without a flame rollout switch | | 209162 (green dot), 175°F | |
| | | 179311 | | 179312 |

*See IMPORTANT Note on page 1.

Burner Assembly

| | |
|--|---|
| CODE 31B - Combustion Air Wheel | CODE 34 - Cad Cell |
| CODE 31C - Flame Cone Assembly | CODE 35 - Flame Rollout Switch |

Burner Fuel Line/Nozzle Assembly

CODE 40 - Fuel Line/Nozzle Assembly

***CODE 48 - Inlet Heater**

Remove the rubber insulation to free the 30-watt heating element (CODE 47). When replacing, use insulation to retain new element.

NOTE: The nozzle adapter (CODE 56) also contains a 30-watt heating element (CODE 47). To replace that element: (1) Remove the buss bars. (2) Unscrew the inlet heater and slide the black insulation rearward. Loosen the set screw which retains the static plate and slide rearward. This will expose the heating element.

| Code | Description | 140/235 | 350 | 500* |
|--|--|--|---|--------|
| 40 | Fuel Line/Nozzle Assy | 174888 | 174889 | 221450 |
| Components (Code 40 includes Codes 41 - 62) | | | | |
| 41 | Nozzle, Delavan (includes Code 41A) | 102997 | 129382 | 157041 |
| 41A | Nozzle O Ring only, Delavan 31351-3 | 123399 | | |
| 42 | Electrode Kit #27195-02 | 269820 (includes 2 electrodes) | | |
| 43 | | Not used | | |
| 45 | Varglas Sleeving #1 x 6" L | 90511 | | |
| 46 | Buss Bar, Crown Eng #271968 | (2) 107213 | | |
| 47 | Heater, 30-watt, Hotwatt | (2) 106952, 115V | (2) 106952, 115V (beginning 1/20/06) (2) 157049, 230V (before 1/20/06) | |
| 48 | Brass Inlet Heater | 120287 | | |
| 49 | Ty-Rap, 6" L, T&B #TY-24M | (2) 20913 | | |
| 50 | Silicone Rubber Tubing | 174879, 30" | 174880, 34" | |
| 51 | Snap Bushing, Heyco #SB-500-6 | (2) 29871 | | |
| 52 | Tubing Barbed Fitting, 1/8" IP x 1/4 | 106396 | | |
| 53 | Brass Street Elbow, 1/8" NPT | 110314 | | |
| 54 | Static Plate Assy with electrode clamps | 106176 | | |
| 56 | Nozzle Adapter | 104766 | | |
| 57 | Machine Screw, Sems 6-32 x 1/4" L | (4) 107119 | | |
| 58 | Set Screw, 1/4-20 x 3/8" L | 110942 | | |
| 59 | Foam Rubber Insulation, 3/8" ID x 1/2" wall x 4-3/4" L | 107121, Rubatex #R-180-FS | | |
| 60 | Copper/Brass Pipe 1/8" NPT x 6" L | 106186 | | |
| 61 | Low Oil Temperature Limit | 210764, 145°F Honeywell 2455RBV81170362 (replaces 124038) | | |
| 62 | Nozzle Temperature Control | 210765, 160°F Honeywell 2455RBV81170363 (replaces 124039) | | |

*See IMPORTANT Note on page 1.

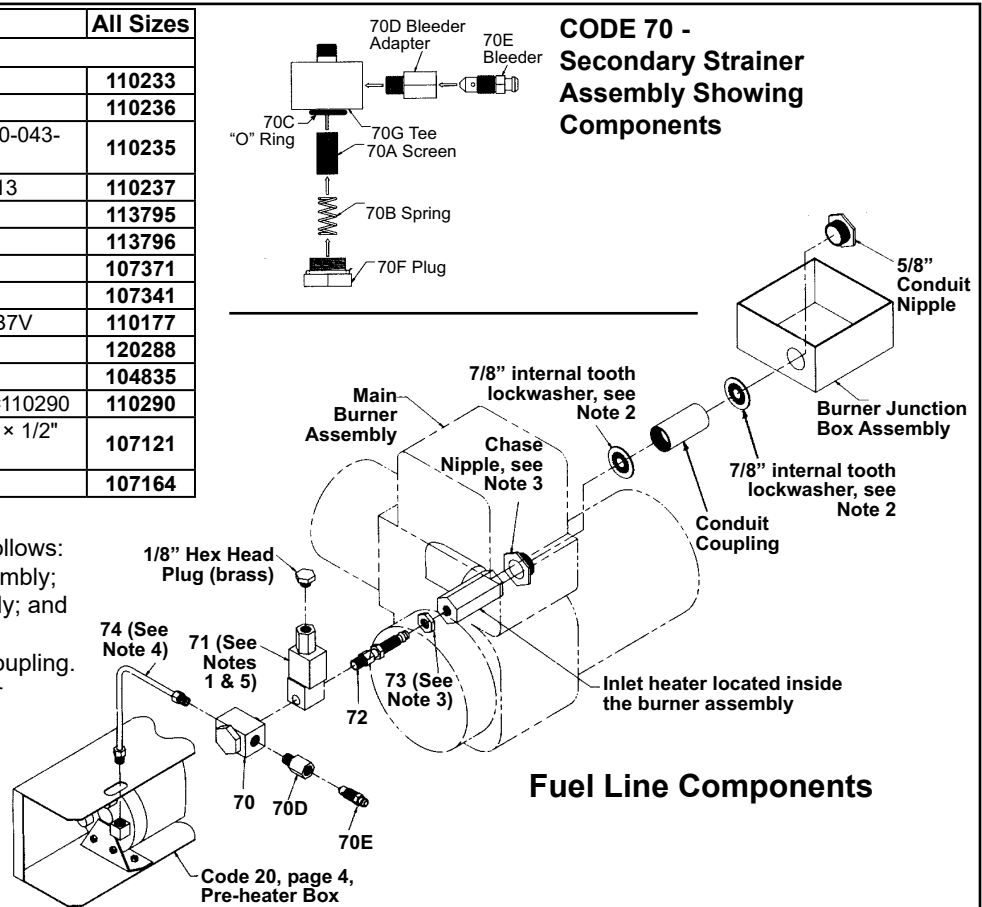
Fuel Line/Nozzle Assembly Components

Burner Fuel Line/Nozzle Assembly (cont'd)

| Code | Description | All Sizes |
|-----------------------------|--|-----------|
| Fuel Line Components | | |
| 70 | Secondary Strainer Assembly | 110233 |
| 70A | Screen, 7/16" diameter x 7/8" L | 110236 |
| 70B | Spring, Associated Spring #CO390-043-0810-M | 110235 |
| 70C | O Ring, Size 113, Viton #AS568-113 | 110237 |
| 70D | Bleeder Adapter | 113795 |
| 70E | Bleeder | 113796 |
| 70F | Plug | 107371 |
| 70G | Tee | 107341 |
| 71 | Oil Solenoid Valve, Asco #U8325B7V | 110177 |
| 72 | Fuel Connection Assembly | 120288 |
| 73 | Fuel Connection Nut | 104835 |
| 74 | Copper Tubing Assembly, Yoder #110290 | 110290 |
| 75 | Foam Rubber Insulation, 3/8" I.D. x 1/2" Wall x 4-3/4" L (not illustrated) | 107121 |
| 76 | Flexible Fuel Line, 18" | 107164 |

NOTES:

- Oil solenoid valve to be piped as follows: Port (1) to secondary strainer assembly; Port (2) to fuel connection assembly; and Port (3) to hex head plug.
- Located on both ends of conduit coupling.
- Located on the inside of the burner housing assembly
- Wrap 4-3/4" long foam rubber insulation (PN 107121) around copper tubing assembly.
- Add #4 x 4" long varglass sleeving (PN 107312) around the oil solenoid valve wires.
- All connections are to be tight and leak-free.

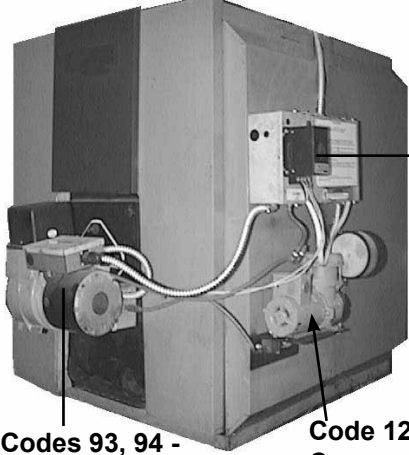















Electrical Components

| Code | Description | Location | 140/235 | 350 | 500* |
|------|--|-----------------------------|---|-----------------|--------|
| 80 | Main Electrical Control Box | | | | |
| 81 | Electrical Box Fixed Cover | Attached to side of Boiler | 104776 | | 157137 |
| 82 | Electrical Box Hinged Cover | | 104781 | | 157968 |
| 83 | Main Control Switch DPST 20A, Cutler Hammer | | 104780 | | 157969 |
| 84 | Ignition Controller, Carlin 42230 | Side of Main Control Box | 104840, #7630K40 | 158203, #7599K1 | |
| 84B | Ignition Controller Replacement Kit (replaces all controllers) | | 208973 | | |
| 85 | Pressure Switch (located behind fixed portion of box cover) | Front of Main Control Box | 104842, Tridelta #FS3440-894 | | |
| 85A | Dampening Orifice for Pressure Switch, 0.028", red | | 170188 | | |
| 86 | Silicone Rubber Tubing, 6" | | 104842, Tridelta #FS3440-894 | | |
| 87 | Open/Closed Bushing, Heyco #OCB-562 | | 121726 | | |
| 88 | Cable Clamp, 1/4", Heyco #3324 | | 148986 | | |
| 89 | Dart Fastener, TRW #PC47307EVZ001 | | 98394 | | |
| 90 | Ty-Rap, 6" L, T&B #TY-24M | | 52961 | | |
| 91 | Terminal Block, 1-1/4" L | | 101798 | | |
| 92 | Burner Junction Box | Main Control and Burner Box | 20913 | | |
| 93 | Burner Junction Box Cover | | 144972 | | |
| 94 | Hole Plug, Heyco #DP-875 | On Burner Housing | 104800 | | 157905 |
| 95 | Internal Tooth Lockwasher, 7/8" | | 104801 | | 158807 |
| 96 | Strain Relief, Heyco #SR-7W2 | All holes | 16452 | | |
| 97 | Fuse | | (2) 110240 | | |
| 98 | Fuse | Burner Junction Box | (2) 16835 | | |
| 99 | Green indicator Light, Industrial Devices #105QC5 | | 121355 - 10 Amp | | |
| 100 | Ground Wire Assembly | Main Control Box | 123460 | | |
| 101 | Post Purge Burner Relay, W/R 134-20203-301 | | 122114 | | |
| 102 | Contact, Furnace #HCC-2XT01AA, 25 Amp, 120VCoil | | 102385 - 120V coil (Size 500 mfgd before 1/20/06 used 230V coil, order Kit PN 263529) | | 157955 |
| 103 | Time Delay Relay | | — | | |
| 104 | Transformer, Hevi-Duty SMT #T050, 50VA | | 141675 | | |
| 105 | Water Pressure/Temperature Gauge | On Back of Boiler | 175130 | | 194219 |
| 106 | Drain Valve (water) | | 175131 | | |
| 107 | Relief Valve (water) | | 175132 | | |

| Code | Description | Location | 140/235 | 350 | 500* |
|------|---|------------------|---------|-----|---|
| 108 | Pump Relay | Main Control Box | — | | Beginning 9/2011, 102385 |
| 109 | Draft Inducer Relay | | | | Prior to 9/2011, order Kit PN 263530 |
| 110 | Aquastat Relay | On top of Boiler | | | 174692 |
| 111 | Low Water Cutoff, Safgard #SAF550SV, manual reset | | | | 217257 (replaces 174693) |
| 112 | Draft Proving Switch | Vent | | | 176300 |

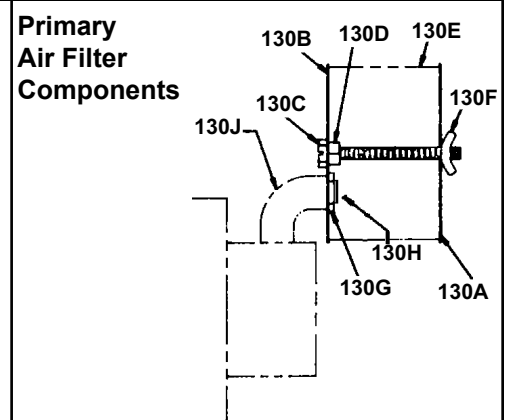
*See **IMPORTANT Note** on page 1.

| | | | | |
|--|--|--|---|---|
|  <p>Codes 80, 81, 82 - Main Control Box</p> <p>Codes 93, 94 - Burner Junction Box</p> <p>Code 120 - Compressor</p> | <p>CODE 84 - Ignition Controller, PN 208973</p>  | <p>CODE 85 - Pressure Switch, PN 104842</p>  | <p>CODE 98 - Fuse</p>  | |
| | <p>CODES 101 and 109 - Post Purge Burner Relay or Draft Inducer Relay</p>  | <p>CODE 103 - Time Delay Relay, PN 141675</p>  | <p>CODE 104 - Transformer, PN 157952</p>  | <p>CODE 105 - Water Pressure/Temperature Gauge</p> <p>Sizes 140/235, PN 175130</p> <p>Sizes 350/500, PN 194219</p>  |
| | <p>CODE 106 - Drain Valve (water), PN 175131</p>  | <p>CODE 107 - Relief Valve (water), PN 175132</p>  | <p>CODE 108 - Oil Pump Relay, PN 102385</p> <p>For units mfgd prior to 9/2011, order Kit PN 263530.</p> | <p>CODE 110 - Aquastat Relay, PN 174692</p>  |
| <p>CODE 111 - Low Water Cutoff, PN 217257</p>  | <p>CODE 112 - Draft Proving Switch, PN 176300</p>  | <p>CODE 113 - 24 Volt Thermostat, PN 255350, HW T812C1000, 50-90°F, with fan and system switches</p>  | | |

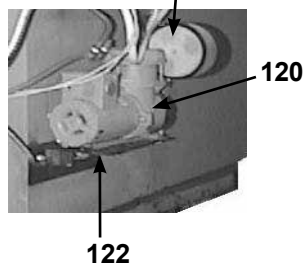
Compressed Air System

| Code | Description | 140/235 | 350 | 500* |
|--------------------------------|------------------------------|--|-------------|-------------|
| 120 | Air Compressor, Gast #SOA | 119636, 115V (Size 500 mfgd before 1/20/06 used 230V, PN 157043) | | |
| 120A | Capacitor for Air Compressor | 130390, 115V (Size 500 mfgd before 1/20/06 used 230V, PN 204267) | | |
| 121 | Compressor Repair Kit | 122876, Gast #K401 | | |
| 122 | Compressor Shelf | 174704 | | |
| Air Manifold Components | | | | |
| 123 | Reducer | 126593 | | |
| 124 | Cross | 126592 | | |
| 125 | Hose Barb | (2) 106396 | | |
| 126 | Air Bleed Orifice | 16588, #65 | 121359, #68 | 132349, #70 |

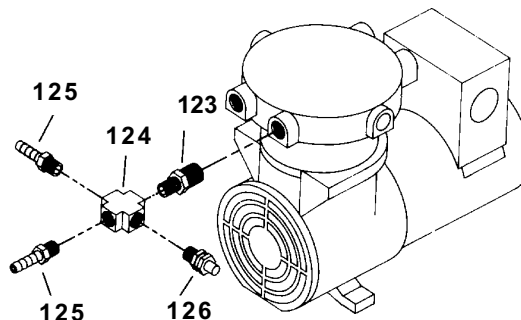
*See **IMPORTANT Note** on page 1.



Primary Air Filter (see Code 130, right)



Compressor and Air Manifold

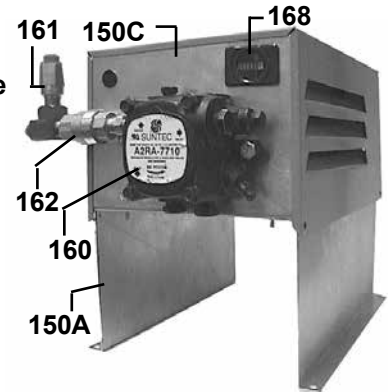


| Code | Description | All Sizes |
|--------------------|-----------------------------|-----------|
| 130 | Air Filter and Piping Assy | 121182 |
| Components: | | |
| 130A | Outer Disk | 107217 |
| 130B | Inner Disk | 107218 |
| 130C | Hex Head Bolt 1/4-20 x 3" L | 10653 |
| 130D | Hex Nut (Keps) 1/4-20 | 7328 |
| 130E | Air Filter, Wix 42374 | 107216 |
| 130F | Wing Nut, 1/4-10 | 107246 |
| 130G | Nut | 110628 |
| 130H | Hex Bushing 1/4" x 1/8" | 87022 |

Remote Pump Assy and Fuel Supply Line Components

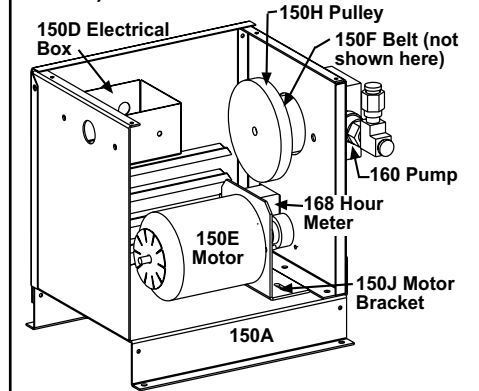
| Code | Description | 140 | 235 | 350 | 500 | |
|------|--|---|----------|---------|----------|--------|
| 150 | Complete Remote Pump Assy with belt driven motor (on units beginning 2/06) | 0-3000 ft (0-914M) elevation | 209566 | 209569 | 209572 | 209574 |
| | | above 3000-7000 ft (914-2134M) | 209567 | 209568 | 209573 | — |
| | | above 7000 ft (2134M) elevation | — | 209570 | — | — |
| 150A | Pump Enclosure | 209198 | | | | |
| 150B | Pump Fixed Cover | 209408 | | | | |
| 150C | Pump Access Cover | 209407 | | | | |
| 150D | Top Divider(box) | 209195 | | | | |
| 150E | Belt Pump Motor | 208473 (Capacitor, PN 163894) | | | | |
| 150F | Belt | 209146 | 209147 | 209149 | 209150 | |
| 150G | Cooling Fan | 131600 | | | | |
| 150H | Pump Pulley | 209143 | 209144 | 209145 | — | |
| 150J | Belt Drive Mtr Bracket | 209196 | | | | |
| 151 | Replacement Kit to change remote pump assembly from a gear motor to a belt drive motor | 0-3000 ft (0-914M) elevation | 211056 | 211059 | 211062 | 211064 |
| | | above 3000-7000 ft (914-2134M) | 211057 | 211058 | 211063 | — |
| | | above 7000 ft (2134M) elevation | — | 211060 | — | — |
| 152 | Motor Sheave for CODE 150E | 0-3000 ft (0-914M) elevation | 209134 | 209137 | 209139 | 209141 |
| | | above 3000-7000 ft (914-2134M) | 209135 | 209134 | 209140 | — |
| | | above 7000 ft (2134M) elevation | — | 209136 | — | — |
| 153 | Bore Reducer (for remote pump w/belt drive motor) | — | | | 209142 | |
| 154A | Replacement Gear Motor (for remote pump with gear motor, mfgd prior to 1/20/06) - PN 106945, 116159, and 129381 are Merkle-Korff; PN 157044 is Rex Engineering | 1.0 GPH | 1.75 GPH | 2.5 GPH | 3.57 GPH | |
| | | 115V | 115V | 115V | 230V | |
| 154B | Gear Motor Bracket | 113440 | | | | |
| 155 | Replacement Bearing Assembly for Merkle-Korff Gear Motors | 149173 | | | — | |
| 156 | Replacement Capacitor for Gear Motor, GE 3MFD, 370VAC | — | | | 174680 | |
| 157 | Replacement Fan Impeller (blue) for some Merkle-Korff Gear Motors, Reznor PNs 106946, 116159, 112707 only | 205424 | N/A | | | |
| 158 | Flexible Coupling, 5/16", Beemer #5802 (for pump assy with a gear motor - mfgd prior to 1/20/06) | 112042 | | | | |
| 160 | Oil Pump, Suntec #A2RA-7710 | 107032 | | | | |
| 160A | Oil Pump Replacement Screen, Suntec #3715747 | 123450 | | | | |
| 160B | Replacement Gasket for Pump, Suntec #3779801 | 123451 | | | | |
| 161 | In-line Relief Valve, Circle Seal#532B-2MP-50 St @ 50 PSIG | 106947 | | | | |
| 162A | Pump Solenoid Valve (replaced by CODE 162B on units mfgd beginning 7/99) | 110177 (replaces 107029) | | | 157046 | |
| | Check Valve, Valstop #H141, 1/4" | 175263 | | | | |
| 162B | Hardware for replacing 162A with 162B: (1) 1/4" to 1/8" reducer, PN 126593; (1) 5/16" flat washer, PN 1087; (1) 9/16" hole plug, PN 82433 | — | | | | |
| 163 | Fuel Filter Assembly, Lenz #CP-750-100 | 96388 | | | | |
| 163A | Replacement Cartridge for Fuel Filter | 176535 | | | | |
| 163B | Replacement O Ring for Fuel Filter | 102294 | | | | |
| 164 | Inlet Manifold | 131792 | | | | |
| 165 | Vacuum Gauge, NoShok #GV-10 (replaces 126595) | 135080 | | | | |
| 166 | Foot Valve, 2/3" NPT, Valstop #60020 | 110320 | | | | |
| 167 | Foot Valve Strainer, #2-1/2N 30 Sump Strainer | 136864 | | | | |
| 168 | Hour Meter | 119983, Redington #711-0109 (Size 500 mfgd before 1/20/06 used 230V, PN 157687) | | | | |

CODE 150 - Remote Pump Assy

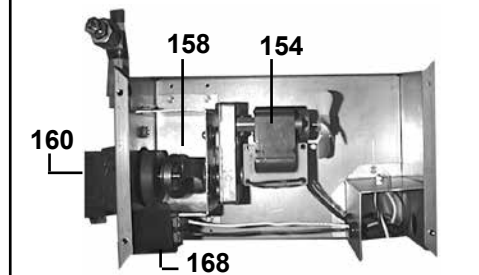


Two Views of Remote Pump Assy with Cover Removed (depending on date of manufacture, pump is controlled by a gear motor or a belt driven motor)

Inside of CODE 150 Remote Pump Assy w/belt-driven motor (mfgd beginning 1/20/06)



Inside (top view) of CODE 150 Remote Pump Assembly with a Gear Motor - As of 1/20/06, the gear motor is replaced with a pulley motor. See CODE 151 for replacement kit or CODES 154-158 for replacement gear motor parts.



CODE 160 - Pump (and replacement parts)

- Pump
- CODE 160A - Screen
- CODE 160B - Gasket
- Pump Cover and Hardware

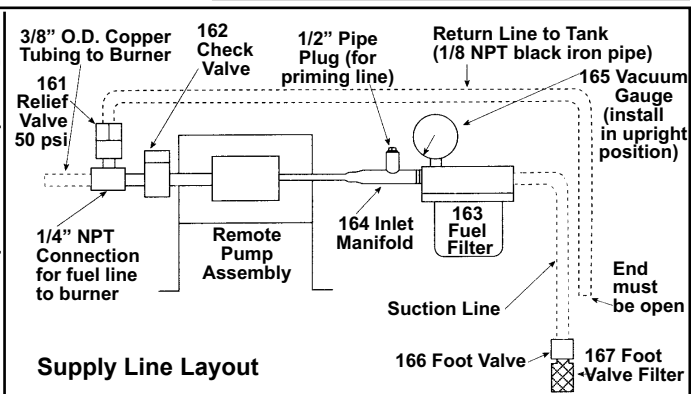
CODE 163, Supply Line Fuel Filter, PN 96388

- Replacement Filter Canister, PN 176535
- Replacement O Ring, PN 102294

CODE 165 - Vacuum Gauge

CODE 166 - Foot Valve

CODE 167 - Foot Valve Strainer



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P-RAB (08-19) PN268653R3

