INTRODUCTION

When upgrading a Coleman, Intertherm, or Miller gas furnace for use with an outdoor heat pump or air conditioner, the blower motor assembly must always be changed out. Two kits cover this change out conversion. Kit KCBBA02013TG covers the conversion of Coleman 7900B, 7900C, 7900/D, 7956/D, 7995C, DGRT and DLRS series, Intertherm MGHA, and Miller MMHA in 2-1/2-, 3-, 3-1/2-, and 4-ton gas furnaces. Kit KCBBA01015TG covers the conversion of Coleman 7900B, 7900C, 7900/D, 7956/D, 7995C, DGRT and DLRS series, Intertherm MGHA, and Miller MMHA in gas furnaces above 4 tons.

SAFETY CONSIDERATIONS

Installing and servicing heating equipment can be hazardous due to gas and electrical components. Only trained and qualified personnel should install, repair, or service heating equipment.

Untrained personnel can perform basic maintenance functions such as cleaning and replacing air filters. All other operations must be performed by trained service personnel. When working on heating equipment, observe precautions in the literature, tags, and labels attached to or shipped with the unit and other safety precautions that may apply.


Recognize safety information. This is the safety-alert symbol 🚨. When you see this symbol on the furnace and in instructions or manuals, be alert to the potential for personal injury.

Understand the signal word DANGER, WARNING, or CAUTION. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which will result in severe personal injury or death. WARNING signifies a hazard that could result in personal injury or death. CAUTION is used to identify unsafe practices which would result in minor personal injury or product and property damage.

WARNING: Before installing or servicing system, always turn off main power to system. There may be more than 1 disconnect switch. Turn off accessory heater power if applicable. Electrical shock can cause personal injury or death.

DESCRIPTION AND USAGE

Kits KCBBA02013TG and KCBBA01015TG are comprehensive kits containing a blower motor assembly, control box assembly, adapter frame, and a parts bag. Installation of components is determined by unit of application. The installation instruction is composed of 3 sections covering specific units and sizes.

1. Section 1 covers the installation of KCBBA02013TG into Coleman 7900B, 7900C, 7900/D, 7956/D, 7995C, DGRT and DLRS series 2-1/2-, 3-, 3-1/2-, and 4-ton gas furnaces.
3. Section 3 covers the conversion of 2-1/2-, 3-, 3-1/2-, and 4-ton Intertherm MGHA and Miller MMHA Series Gas Furnaces using kit KCBBA02013TG and the conversion of units above 4-ton using kit KCBBA01015TG.

INSTALLATION SECTION 1

This section covers the installation of KCBBA02013TG into Coleman 7900B, 7900C, 7900/D, 7956/D, 7995C, DGRT and DLRS series 2-1/2-, 3-, 3-1/2-, and 4-ton gas furnaces.

PROCEDURE 1—REMOVE BLOWER FROM CARTON

1. Remove blower from carton. Unit is heavy so exercise care when handling.
2. Straighten any flanges bent during shipment.
3. Remove cardboard packing from blower wheel.
4. Check rotation of blower wheel in housing. If any rubbing occurs between blower wheel and housing, adjust blower wheel on motor shaft by loosening blower wheel setscrew and sliding wheel along shaft until rubbing stops.

5. Check blower wheel setscrew for tightness. When tightening setscrew, be sure screw is on flat side of motor shaft.

6. Check control box and wiring harnesses for shipping damage. File claim with shipper if shipment is damaged or incomplete.

PROCEDURE 2—REMOVE EXISTING BLOWER FROM FURNACE

1. Turn electrical power at main electrical service entrance to OFF position.

2. Remove furnace door.

3. Unplug motor connector plug from receptacle on furnace control box by pinching clasping tabs on sides of plug and pulling plug straight up from receptacle.

4. Remove blower mounting screws, then remove blower from front of furnace. Retain screws for new blower installation.

PROCEDURE 3—INSTALL KCBBA02013TG BLOWER ASSEMBLY AND CONTROL BOX

A. Mount Control Box and Adapter Frame to Blower

1. Remove cover from blower control box by removing screw. Retain screw for reinstallation.

2. Mount control box cover on blower wrapper using 3 No. 10 X 1/2-in. screws. (See Fig. 1.)

3. Install adapter frame to blower housing using 4 No. 10 X 1/2-in. screws. (See Fig. 1.)

4. Mount control box to cover on blower with screw removed in Step 1 above. (See Fig. 2.) Make sure bottom of cover engages inside of control box flange.

B. Install Blower Into Unit

1. Start blower rail flanges into blower slots and push blower into furnace until mounting bracket flange is against furnace. (See Fig. 2.)

2. Secure blower with 2 screws removed earlier in Procedure 2, Step 4. Attach blower ground lead under screw in blower compartment that contacts an unpainted surface.

C. Connect Wiring Harnesses

1. Connect 15-pin plug of 33-in. wiring harness (supplied) to blower control box receptacle. (See Fig. 3.)

2. Connect 9-pin plug of 6-in. harness to furnace control box receptacle. (See Fig. 3.)

3. Connect 9-pin receptacle of 6-in. harness to 9-pin plug of 33-in. wiring harness. (See Fig. 3.)

4. Connect 6-pin plug of blower wiring harness to blower control box receptacle. (See Fig. 3.)

PROCEDURE 4—MODIFY FURNACE CONTROL BOX WIRING

A. 7900B Series Furnace

1. Remove 5/8-in. knockout on furnace control box.

2. Remove furnace control box cover.

3. Run loose red wire (supplied) from R of low-voltage terminal board on blower control box through knockout hole in furnace control box. (See Fig. 3 and 5.)

4. Run loose blue wire from 9-pin receptacle of 6-in. wiring harness through knockout hole in furnace control box.

5. Install strain relief to wires and snap into knockout hole of furnace control box.

6. Remove 2 gray wires from low-voltage connection of transformer. Cut terminals off and strip wires 1/2 in. Twist ends of gray wires and red wire together and secure with wire nut provided. (See Fig. 5.)

7. Remove 2 yellow wires from low-voltage connection of transformer. Cut terminals off and strip wires 1/2 in. Twist ends of yellow wires and blue wire (of 9-pin receptacle through knockout) together and secure with wire nut provided. (See Fig. 5.)

8. Replace furnace control box cover.

B. 7900C, 7995C, 7900/D, 7956/D, DLRS, and DGRT Series Furnace

1. Remove 5/8-in. knockout on furnace control box.

2. Remove furnace control box cover.

3. Run loose blue wire from 9-pin receptacle of 6-in. wiring harness through knockout hole in furnace control box. (See Fig. 4 and Fig. 6, 7, 8, or 9.)

4. Install strain relief to wire and snap into knockout hole of furnace control box.

5. For 7900C, 7995C, 7900/D, and 7956/D remove yellow wires from low-voltage connection of transformer. Cut terminals off and strip wires 1/2 in. Twist ends of yellow wires and blue wire (or 9-pin receptacle through knockout) together and secure with wire nut provided. (See Fig. 6, 8, or 9.)
Fig. 1—Blower Assembly

Fig. 2—Blower Assembly Installation
6. For DLRS and DGRT series furnaces, remove 2 of the 3 low-voltage connections of transformer. A gray and a yellow wire should be removed leaving the third yellow wire connected to the transformer. That is the yellow wire that goes to the reignitor module. Cut terminals off and strip the 2 wires 1/2 in. Twist ends of yellow, gray and blue wire (or 9-pin receptacle through knockout) together and secure with wire nut provided. (See Fig. 7.)

7. Replace furnace control box cover.

PROCEDURE 5—CONNECT THERMOSTAT

A. Heating Only Thermostat (2 wire)

1. Connect thermostat wires W to W of low-voltage terminal board on blower control box.

2. Series variation
   a. For 7900B Series: connect thermostat R terminal to loose red wire from 9-pin plug of 6-in. harness. (See Fig. 3.)
   b. For 7900C, 7995C, 7900/D, 7956/D, DLRS, and DGRT Series: tape loose end of red wire from 9-pin plug of 6-in. harness, and connect thermostat wire R to R on low-voltage terminal board. (See Fig. 4.)

3. Remove locking clip on HEAT/COOL switch on blower control box. (See Fig. 3 or 4.)

4. Explain to homeowner that HEAT/COOL switch must be manually set in appropriate position for heating or cooling.

5. Turn ON-OFF switch on furnace junction box to ON position.

B. Heat/Cool Thermostat (3 wire)

1. Connect thermostat wires W and Y to W and Y, respectively, of low-voltage terminal board on blower control box.

2. Series variation
   a. For 7900B Series: connect thermostat R terminal to loose red wire from 9-pin plug of 6-in. harness. (See Fig. 3.)
   b. For 7900C, 7995C, 7900/D, 7956/D, DLRS, and DGRT Series: tape loose end of red wire from 9-pin plug of 6-in. harness, and connect thermostat wire R to R on low-voltage terminal board. (See Fig. 4.)

NOTE: Do not remove locking clip from HEAT/COOL switch.

3. Turn ON-OFF switch on furnace junction box to ON position.

C. Heat/Cool Thermostat (4 wire)

1. Remove external jumper wire from G and Y of low-voltage terminal board on blower control box.

2. Connect thermostat wires W, Y, and G to W, Y, and G, respectively, of low-voltage terminal board on blower control box.

3. Series variation
   a. For 7900B Series: connect thermostat R terminal to loose red wire from 9-pin plug of 6-in. harness. (See Fig. 3.)
   b. For 7900C, 7995C, 7900/D, 7956/D, DLRS, and DGRT Series: tape loose end of red wire from 9-pin plug of 6-in. harness, and connect thermostat wire R to R on low-voltage terminal board. (See Fig. 4.)

NOTE: Do not remove locking clip from HEAT/COOL switch.

4. Turn ON-OFF switch on furnace junction box to ON position.

PROCEDURE 6—CONNECT CONDENSING UNIT

Connect condensing unit control relay or contactor to Y and C on blower low-voltage terminal board on blower control box.

PROCEDURE 7—COMPLETE UNIT INFORMATION PLATE

Using ballpoint pen, complete information requested on information plate. Peel backing off plate and affix in upper right-hand corner of vestibule panel.

PROCEDURE 8—COMPLETE UNIT INSTALLATION

1. For 2-wire thermostats only: Remember to explain to homeowner that HEAT/COOL switch must be manually set to appropriate position.

2. Replace furnace door.

3. Restore power to unit.

4. Cycle furnace in both heating and cooling modes to ensure proper operation.

PROCEDURE 9—SERVICE

A qualified service person should clean and lubricate the blower unit each heating and cooling season. Clean the blower unit when cooling coil is cleaned. Lubricate motor every 5 years if motor is used intermittently, or every 2 years if motor is in continuous operation. Remove motor to lubricate. Place approximately 8 drops of SAE 20 non-detergent oil in oil port. Plug port securely.

Check electrical connections for tightness and controls for proper operation each heating and cooling season. Service as necessary.
This section covers the installation of KCBBA01015TG into Coleman 7900B, 7900C, 7900/D, 7956/D, 7995C, DGRT and DLRS series gas furnaces above 4 tons.

PROCEDURE 1—REMOVE BLOWER FROM CARTON

1. Remove blower from carton. Unit is heavy so exercise care when handling.
2. Straighten any flanges bent during shipment.
3. Remove cardboard packing from blower wheel.
4. Check rotation of blower wheel in housing. If any rubbing occurs between wheel and housing, adjust blower wheel on motor shaft by loosening blower wheel setscrew and sliding wheel along shaft until rubbing stops.
5. Check blower wheel setscrew for tightness. When tightening setscrew, be sure screw is on the flat side of motor shaft.
6. Check control box and wiring harnesses for shipping damage. File claim with shipper if shipment is damaged or incomplete.

PROCEDURE 2—REMOVE EXISTING BLOWER FROM FURNACE

1. Turn electrical power at main electrical service entrance to OFF position.
2. Remove furnace door.
3. Unplug motor connector plug from receptacle on furnace wiring box by pinching clasping tabs on sides of plug and pulling plug straight up from receptacle.
4. Remove blower mounting screws, then remove blower from front of furnace. Retain screws for new blower installation.

PROCEDURE 3—INSTALL KCBBA01015TG BLOWER ASSEMBLY AND CONNECT WIRING

A. Install Blower Into Unit

1. Start blower rail flanges into blower slots and push blower into furnace until mounting bracket flange is against furnace. (See Fig. 2.)
2. Secure blower with 2 screws removed earlier in Procedure 2, Step 4. Attach blower ground lead under screw in blower compartment that contacts an unpainted surface.

B. Connect Wiring Harnesses

1. Connect 15-pin plug of 33-in. wiring harness, supplied in kit, to blower control box receptacle. (See Fig. 3.)
2. Connect 9-pin plug of 6-in. harness to furnace control box receptacle. (See Fig. 3.)
3. Connect 9-pin receptacle of 6-in. harness to 9-pin plug of 33-in. wiring harness. (See Fig. 3.)
4. Connect 6-pin plug of blower wiring harness to blower control box receptacle. (See Fig. 3.)

PROCEDURE 4—MODIFY FURNACE CONTROL BOX WIRING

A. 7900B Series Furnace
1. Remove 5/8-in. knockout on furnace control box.
2. Remove furnace control box cover.
3. Run loose red wire (supplied) from R of low-voltage terminal board on blower control box through knockout hole in furnace control box. (See Fig. 3 and 5.)
4. Run loose blue wire from 9-pin receptacle of 6-in. wiring harness through knockout hole in furnace control box.
5. Install strain relief to wires and snap into knockout hole of furnace control box.
6. Remove 2 gray wires from low-voltage connection of transformer. Cut terminals off and strip wires 1/2 in. Twist ends of gray wires and red wire together and secure with wire nut provided. (See Fig. 3 and 5.)
7. Remove 2 yellow wires from low-voltage connection of transformer. Cut terminals off and strip wires 1/2 in. Twist ends of yellow wires and blue wire (of 9-pin receptacle through knockout) together and secure with wire nut provided. (See Fig. 5.)
8. Replace furnace control box cover.

B. 7900C, 7995C, 7956/D, DLRS, and DGRT Series Furnace
1. Remove 5/8-in. knockout on furnace control box.
2. Remove furnace control box cover.
3. Run loose blue wire from 9-pin receptacle of 6-in. wiring harness through knockout hole in furnace control box. (See Fig. 4 and Fig. 6, 7, 8, or 9.)
4. Install strain relief to wire and snap into knockout hole of furnace control box.
5. For 7900C, 7995C, 7900/D, and 7956/D remove yellow wires from low-voltage connection of transformer. Cut terminals off and strip wires 1/2 in. Twist ends of yellow wires and blue wire (or 9-pin receptacle through knockout) together and secure with wire nut provided. (See Fig. 6, 8, or 9.)
6. For DLRS and DGRT series furnaces, remove 2 of the 3 low-voltage connections of transformer. A gray and a yellow wire should be removed leaving the third yellow wire connected to the transformer. That is the yellow wire that goes to the reignitor module. Cut terminals off and strip the 2 wires 1/2 in. Twist ends of yellow, gray and blue wire (or 9-pin receptacle through knockout) together and secure with wire nut provided. (See Fig. 7.)

7. Replace furnace control box cover.

PROCEDURE 5—CONNECT THERMOSTAT

A. Heating Only Thermostat (2 wire)
   1. Connect thermostat wires W to W of the low-voltage terminal board on blower control box.
   2. Series Variation
      a. For 7900B Series: connect thermostat R terminal to loose red wire from 9-pin plug of 6-in. harness. (See Fig. 3.)
      b. For 7900C, 7995C, 7900/D, 7956/D, DLRS, and DGRT Series: tape loose end of red wire from 9-pin plug of 6-in. harness, and connect thermostat wire R to R on low-voltage terminal board. (See Fig. 4.)
   3. Remove locking clip on HEAT/COOL switch on blower control box. (See Fig. 3 or 4.)
   4. Explain to homeowner that HEAT/COOL switch must be manually set in appropriate position for heating or cooling.
   5. Turn ON-OFF switch on furnace junction box to ON position.

B. Heat/Cool Thermostat (3 wire)
   1. Connect thermostat wires W and Y to W and Y, respectively, of low-voltage terminal board on blower control box.
   2. Series Variation
      a. For 7900B Series: connect thermostat R terminal to loose red wire from 9-pin plug of 6-in. harness. (See Fig. 3.)
      b. For 7900C, 7995C, 7900/D, 7956/D, DLRS, and DGRT Series: tape loose end of red wire from 9-pin plug of 6-in. harness, and connect thermostat wire R to R on low-voltage terminal board. (See Fig. 4.)
   3. Turn ON-OFF switch on furnace junction box to ON position.

NOTE: Do not remove locking clip from HEAT/COOL switch.
   3. Turn ON-OFF switch on furnace junction box to ON position.

C. Heat/Cool Thermostat (4 wire)
   1. Remove external jumper wire from G and Y of low-voltage terminal board on blower control box.
   2. Connect thermostat wires W, Y, and G to W, Y, and G, respectively, of low-voltage terminal board in blower control box.
   3. Series Variation

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a. For 7900B Series: connect thermostat R terminal to loose red wire from 9-pin plug of 6-in. harness. (See Fig. 3.)

b. For 7900C, 7995C, 7900/D, 7956/D, DLRS, and DGRT Series: tape loose end of red wire from 9-pin plug of 6-in. harness, and connect thermostat wire R to R on low-voltage terminal board. (See Fig. 4.)

NOTE: Do not remove locking clip from HEAT/COOL switch.

4. Turn ON-OFF switch on furnace junction box to ON position.

PROCEDURE 6—CONNECT CONDENSING UNIT
Connect condensing unit control relay or contactor to Y and C on blower low-voltage terminal board on blower control box.

PROCEDURE 7—COMPLETE UNIT INFORMATION PLATE
Using ballpoint pen, complete information requested on information plate. Peel backing off plate and affix in upper right-hand corner of vestibule panel.

PROCEDURE 8—COMPLETE UNIT INSTALLATION
1. For 2-wire thermostats only: Remember to explain to homeowner that HEAT/COOL switch must be manually set to appropriate position.
2. Replace furnace door.
3. Restore power to unit.
4. Cycle furnace in both heating and cooling modes to ensure proper operation.

PROCEDURE 9—SERVICE
A qualified service person should clean and lubricate the blower unit every heating and cooling season. Clean cooling coil when blower unit is cleaned. Lubricate motor every 5 years if motor is used intermittently, or every 2 years if motor is in continuous operation. Remove motor to lubricate. Place approximately 8 drops of SAE 20 non-detergent oil in oil port. Plug port securely.

Check electrical connections for tightness and controls for proper operation each heating and cooling season. Service as necessary.
INSTALLATION SECTION 3

This section covers the conversion of 2-1/2-, 3-, 3-1/2-, and 4-ton Intertherm MGHA and Miller MMHA Series Gas Furnaces using kit KCBBA02013TG and the conversion of units above 4-ton using kit KCBBA01015TG.

PROCEDURE 1—REMOVE BLOWER FROM CARTON

1. Remove blower from carton of kit KCBBA02013TG or KCBBA01015TG. Unit is heavy so exercise care when handling.
2. Straighten any flanges bent during shipment.
3. Remove cardboard packing from blower wheel.
4. Check rotation of blower wheel in housing. If any rubbing occurs between blower wheel and housing, adjust blower wheel position on motor shaft by loosening blower wheel setscrew and adjusting along shaft until rubbing stops.
5. Check blower wheel setscrew for tightness. When tightening setscrew, be sure screw is on the flat side of motor shaft.
6. Check control box for shipping damage. File claim with shipper if shipment is damaged or incomplete.

NOTE: Use adapter frame and wiring harness supplied.

PROCEDURE 2—REMOVE EXISTING BLOWER FROM FURNACE

1. Turn electrical power at main electrical service entrance to OFF position.
2. Remove furnace door.
3. Unplug motor connector plug from receptacle on furnace control box by pinching clasping tabs on sides of plug and pulling plug straight up from receptacle.
4. Remove blower mounting screws then remove blower from front of furnace. Retain screws for new blower installation.

PROCEDURE 3—INSTALL KCBBA02013TG OR KCBBA01015TG BLOWER ASSEMBLY AND CONTROL BOX

A. Mount Control Box and Adapter Frame to Blower

1. Remove cover from blower control box by removing screw. Retain screw for reinstallation.
2. Mount control box cover on blower wrapper using 3 No. 10 X 1/2-in. screws. (See Fig. 1.)

Fig. 7—Coleman DLRS and DGRT Standing Pilot Wiring From Transformer
3. Mount control box to cover on blower with screw removed in Step 1. (See Fig. 2.) Make sure bottom of cover engages inside of control box flange.

4. Install adapter frame to blower housing using 4 No. 10 X 1/2-in. screws supplied in kit KCBBA02013TG or KCBBA01015TG. (See Fig. 1.)

**B. Install Blower into Unit**
1. Start blower rail flanges into blower slots and push blower into furnace until mounting bracket flange is against furnace. (See Fig. 2.)
2. Secure blower with 2 screws removed earlier in Procedure 2, Step 4. Attach blower ground lead under screw in blower compartment that contacts an unpainted surface.

**C. Connect Wiring Harnesses**
1. Connect 15-pin plug of 15- to 6-pin wiring harness to blower control box. (See Fig. 17.)
2. Connect 6-pin plug of 15- to 6-pin wiring harness to furnace control box receptacle. (See Fig. 17.)
3. Connect 6-pin plug of blower wiring harnesses to blower control box. (See Fig. 17.)

**PROCEDURE 4—MODIFY FURNACE CONTROL BOX WIRING**
1. Remove furnace control box cover.
2. Remove red wire from low-voltage connection of transformer and cut off terminal.
3. Clip brown wire from low-voltage side of transformer. (See Fig. 18.)
4. Strip 1/2 in. of brown and red wires.
5. Twist end of brown and red wires together and secure with wire nut provided. (See Fig. 18.)
6. Remove black wire from high-voltage side of transformer and cut off terminal.
7. Locate black wire at fan switch that goes to 6-pin receptacle of furnace control box and clip at fan switch.
8. Strip ends 1/2 in. each of black wire just removed and black wire removed in Step 6.
9. Twist ends of black wires together and secure with a wire nut provided. (See Fig. 18.)
10. Tape exposed ends of black and brown clipped wires with electrical tape.
11. Connect red and white wires of 28-in. wiring harness to red and white wires of furnace control box, respectively.
12. Replace furnace control box cover.

PROCEDURE 5—CONNECT THERMOSTAT

A. Heating Only Thermostat (2 Wire)
   1. Connect thermostat wire R and W to R and W, respectively, of low-voltage terminal board on blower control box.
   2. Remove locking clip on HEAT/COOL switch of blower control box. (See Fig. 17.)
   3. Explain to homeowner that HEAT/COOL switch must be manually set in appropriate position for heating or cooling.
   4. Turn ON-OFF switch on furnace junction box to ON position.

B. Heat/Cool Thermostat (3 Wire)
   1. Connect thermostat wires R, W, and Y to R, W and Y, respectively, of low-voltage terminal board on blower control box.
   2. Turn ON-OFF switch on furnace junction box to ON position.
   NOTE: Do not remove locking clip from HEAT/COOL switch.

C. Heat/Cool Thermostat (4 Wire)
   1. Remove external jumper wire from G and Y of low-voltage terminal board on blower control box.
   3. Turn ON-OFF switch on furnace junction box to ON position.
   NOTE: Do not remove locking clip from HEAT/COOL switch.

PROCEDURE 6—CONNECT CONDENSING UNIT
Connect condensing unit control relay or contactor to Y and C of blower low-voltage terminal board on blower control box.

PROCEDURE 7—COMPLETE UNIT INFORMATION PLATE
Using a ballpoint pen, complete information requested on information plate. Peel backing off plate and affix in upper right-hand corner of vestibule panel.
If any of the wire supplied with the furnace must be replaced, it must be replaced with type 90˚C min. thermoplastic or its equivalent.

**NOTE:** If any of the wire supplied with the furnace must be replaced, it must be replaced with type 90˚C min. thermoplastic or its equivalent.
If any of the wire supplied with the furnace must be replaced, it must be replaced with type 90°C min. thermoplastic or its equivalent.

Note: If any of the wire supplied with the furnace must be replaced, it must be replaced with type 90°C min. thermoplastic or its equivalent.
TRANS.

If any of the wire supplied with the furnace must be replaced, it must be replaced with type 90˚C min. thermoplastic or its equivalent.

NOTE:

7900C STANDING PILOT

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GRN

YEL

C

R

W

G

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If any of the wire supplied with the furnace must be replaced, it must be replaced with type 90°C min. thermoplastic or its equivalent.

**NOTE:**

- Remove jumper across the G and Y terminals for a 4-wire thermostat.

**Fig. 13—Coleman DLRS and DGRT Standing Pilot with Ignitor Wiring Diagram**
Fig. 14—Coleman 7956/D Standing Pilot Wiring Diagram

NOTE: If any of the wire supplied with the furnace must be replaced, it must be replaced with type 90°C min. thermoplastic or its equivalent.
Incoming power must be polarized. Observe color coding.

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**NOTE:**

For the wiring diagram, see Figure 16—Coleman 7995C Standing Pilot Wiring Diagram.
PROCEDURE 8—COMPLETE UNIT INSTALLATION

1. For 2-wire thermostat, position HEAT/COOL switch to appropriate mode. Explain to homeowner that HEAT/COOL switch must be manually set to appropriate position.

2. For 3- or 4-wire thermostats, locking clip should not be removed from HEAT/COOL switch since modes are automatically selected.

3. Replace furnace door.

4. Restore power to unit.

5. Cycle furnace in both heating and cooling modes to ensure proper operation.

PROCEDURE 9—SERVICE

A qualified service person should perform cleaning and lubricating of the blower unit each heating and cooling season. Clean cooling coil when blower unit is cleaned. Lubricate motor every 5 years if motor is used intermittently, or every 2 years if motor is in continuous operation. Remove motor to lubricate. Place approximately 8 drops of SAE 20 non-detergent oil in oil port. Plug port securely.

Check electrical connections for tightness and controls for proper operation each heating and cooling season. Service as necessary.
Fig. 19—Wiring Diagram

INTERTHERM MGHA AND MILLER MMHA SERIES GAS FURNACES

NOTES:
1. Incoming power must be polarized. Observe color coding. (See furnace data label for electrical data.)
2. If any of the original wire, as supplied, must be replaced, use 105˚C thermoplastic type wire or its equivalent.

EXISTING FURNACE CONTROL BOX

FAN ON/OFF SWITCH

GAS VALVE

GAS WAVE

NEUTRAL

FURNACE CONTROL BOX

LIMIT SWITCH

FAN MOTOR

LIMIT SWITCH

FAN SWITCH

TRANSFORMER

REVERSING RELAY

CAPACITOR