

Installation Instructions Part No. 307566-701

NOTE: Read the entire instruction before starting the installation.

INTRODUCTION

This instruction covers the installation of the Fuse Link Kit Part No. 307566-701 in a non-condensing, induced-combustion furnace.

SAFETY CONSIDERATIONS

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

Untrained personnel can perform basic maintenance functions such as cleaning coils, or cleaning and replacing filters. All other operations should be performed by trained service personnel. When working on heating equipment, observe precautions in the literature, and on tags and labels attached to the unit.

Follow all safety codes. Wear safety glasses and work gloves. Have a fire extinguisher available.

DESCRIPTION AND USAGE

The fuse link kit can be utilized to restore a non-condensing, induced-combustion furnace to operation when the fuse link has opened.

The fuse link kit contains the following items:

- | | |
|---------------------------|-----|
| Fuse link assembly | (1) |
| Red wire assembly | (1) |
| Fuse link label | (1) |
| Installation Instructions | (1) |

Step 1—For Fuse Links As Applied In Fig. 1

1. Turn OFF electrical supply to furnace.
2. Remove furnace control access door.
3. Disconnect fuse link from furnace limit switch. (See Fig. 1.)
4. Cut old fuse link and connector from wire.
5. Strip 1/4-in. of insulation from end of wire where old fuse link was removed.
6. Insert stripped end of red wire provided in kit into connector of fuse link assembly. Crimp connector.
7. Insert stripped end of furnace wire where old fuse link was removed into other end of fuse link assembly. Crimp connector.
8. Connect fuse link to furnace limit switch. (See Fig. 1.)
9. Install label provided in kit on furnace cell panel alongside of limit switch.
10. Turn ON electrical supply and start furnace.
11. Observe furnace operation. Determine cause for fuse link opening; correct the problem.
12. Replace control access door.

Step 2—For Fuse Links As Applied In Fig. 2

NOTE: Refer to the fuse links as right-hand (RH) and left-hand (LH) as they appear in Fig. 2.

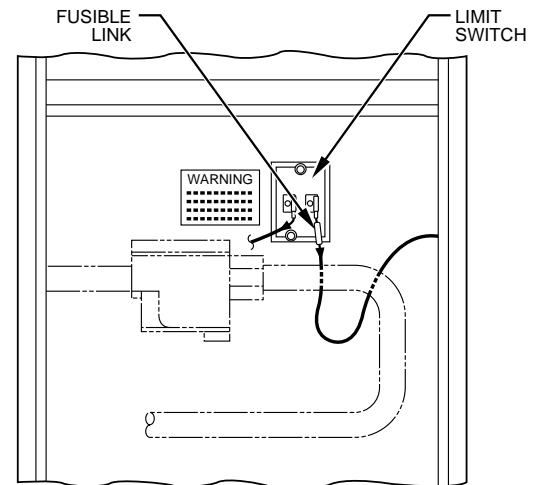


Fig. 1

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NOTE: The red wire provided in the kit is not required for LH replacement.

Install LH fuse link as follows:

1. Turn OFF electrical supply to furnace.
2. Remove blower and control access doors.
3. Check LH fuse link to be sure it is open.
4. Cut old fuse link out and strip 1/4-in. of insulation from ends of furnace wire.
5. Insert one stripped end of furnace wire into connector on new fuse link. Crimp connector.
6. Route wire through wire clamp and position fuse link as shown in Fig. 2.
7. Insert other stripped end of furnace wire into other connector of fuse link. Crimp connector. Be sure fuse link is positioned as shown in Fig. 2.

CAUTION

If the fuse link is not positioned exactly as shown in Fig. 2, serious damage to the equipment and/or structure may result during abnormal operating conditions.

8. Install fuse link label as shown in Fig. 2.
9. Replace blower and control access doors.
10. Turn ON electrical supply to furnace.
11. Observe furnace operation. Determine cause for fuse link opening. Correct problem.

Install RH fuse link as follows:

1. Turn OFF electrical supply to furnace.

2. Remove blower and control access doors.
3. Disconnect fuse link at quick-connect. Leave quick-connect attached to furnace wire.
4. Cut other end of old fuse link from furnace wire and strip 1/4-in. of insulation from wire.
5. Insert stripped end of red wire provided in kit into connector of new fuse link. Crimp connector.
6. Route furnace wire through wire clamp and position fuse link as shown in Fig. 2.
7. Connect other end of fuse link to furnace wire with quick-connect connector. Be sure fuse link is positioned as shown in Fig. 2.

⚠ CAUTION

If the fuse link is not positioned exactly as shown in Fig. 2, serious damage to the equipment and/or structure may result during abnormal operating conditions.

8. Install fuse link label as shown in Fig. 2.
9. Replace blower and control access doors.
10. Turn ON electrical supply to furnace.
11. Observe furnace operation. Determine cause for fuse link opening. Correct problem.

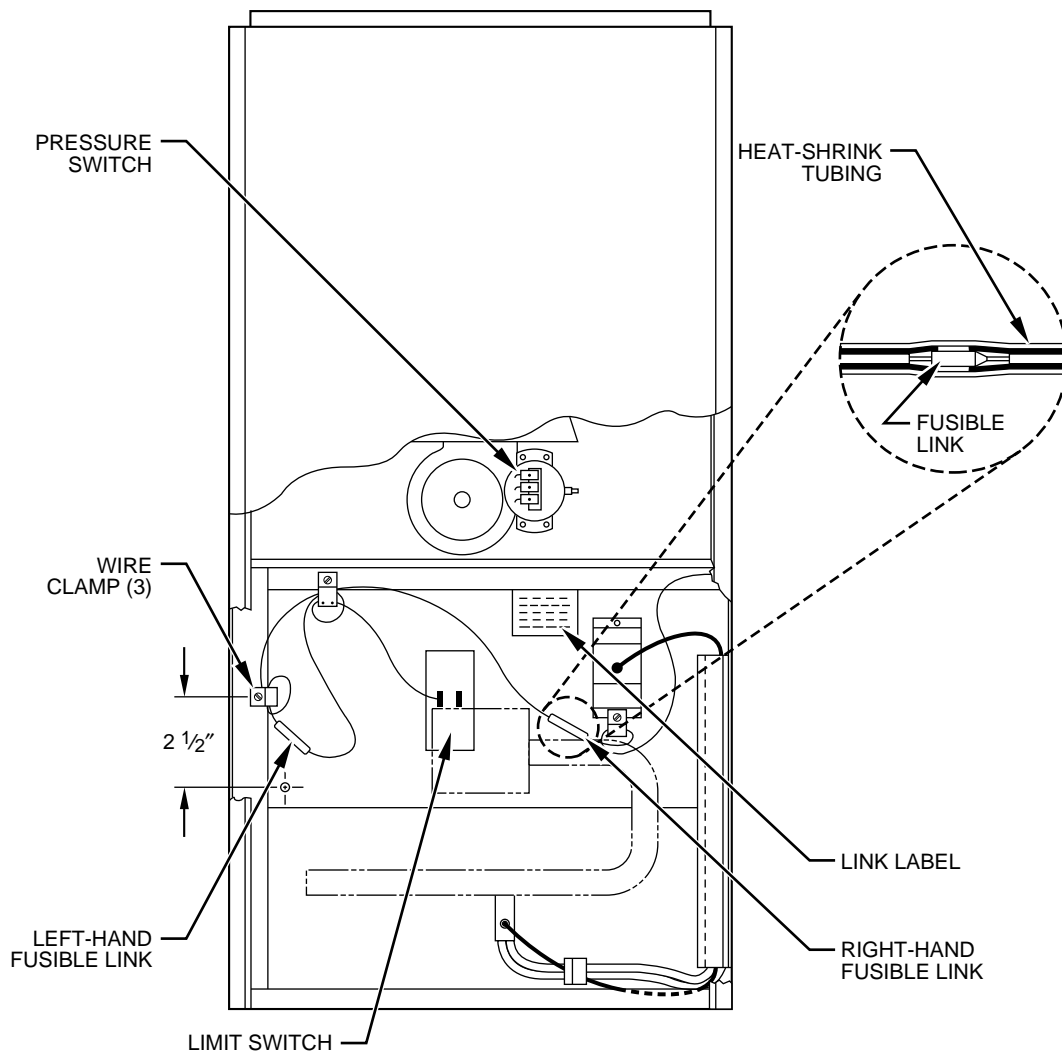


Fig. 2

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