

INSTALLATION INSTRUCTIONS FOR D700 SERIES VARIABLE FREQUENCY DRIVE (VFD) REPLACEMENT KIT

Shipping and Packing List

Package 1 of 1 contains:

1-Pre-programmed VFD (A96 or A137)

⚠ WARNING

Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury or loss of life. Installation and service must be performed by a licensed professional installer (or equivalent), service agency or the gas supplier.

Application

This kit is used when replacing a D700 VFD with an E800 VFD in LGH/LCH, SG/SC, KG/KC/KH, and EL series units.

This instruction is intended to show wiring for D700 to E800 VFDs only. Refer to the additional installation instruction shipped with this VFD for location, access and to verify proper operation.

⚠ WARNING

To prevent serious injury or death:

- 1- Lock-out/tag-out before performing maintenance.
- 2- If system power is required (e.g., smoke detector maintenance), disable power to blower, remove fan belt where applicable, and ensure all controllers and thermostats are set to the "OFF" position before performing maintenance.
- 3- Always keep hands, hair, clothing, jewelry, tools, etc., away from moving parts.

⚠ WARNING

ELECTRICAL SHOCK HAZARD.

Failure to follow instructions exactly could result in serious injury or death.

VFD HOLDS A POTENTIALLY LETHAL CHARGE UP TO 10 MINUTES AFTER POWER HAS BEEN DISCONNECTED. Do not open VFD cover until 10 minutes AFTER power source has been disconnected and power lamp has turned off.

Read manual provided by VFD manufacturer.

Carefully review and follow all safety warnings in that manual also.

WIRING CONNECTIONS

WARNING!

DO NOT OPEN VFD COVER UNTIL POWER TO VFD HAS BEEN OFF FOR AT LEAST 10 MINUTES. VFD CAPACITOR HOLDS DANGEROUS HIGH VOLTAGE CHARGE. FAILURE TO FOLLOW WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

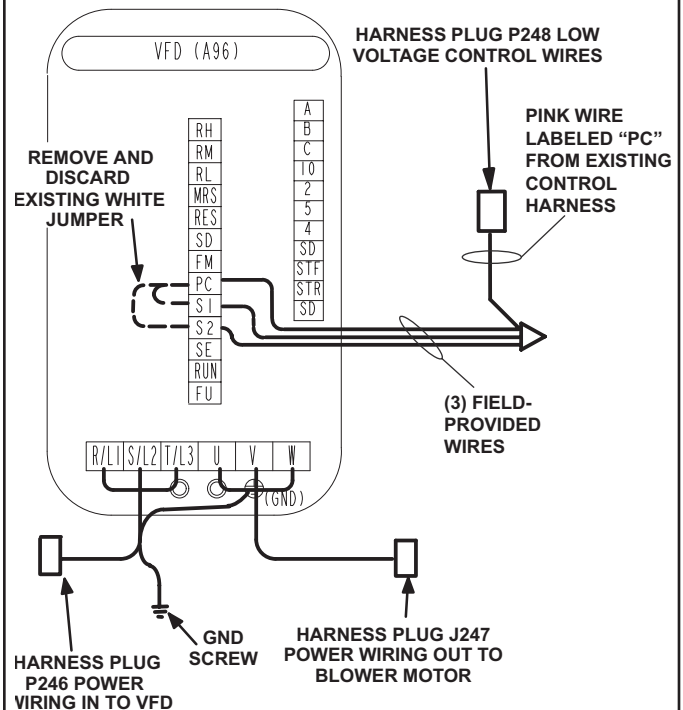


FIGURE 1

⚠ CAUTION

As with any mechanical equipment, contact with sharp sheet metal edges can result in personal injury. Take care while handling this equipment and wear gloves and protective clothing.

⚠ WARNING

ELECTRICAL SHOCK HAZARD.

STOP! Before you continue, make sure that power to the VFD has been off for at least 10 minutes. The capacitor in the VFD holds high voltage power for up to 10 minutes after power has been disconnected.

Wiring

- 1 - Remove and discard the white jumper wire connected to PC/S1/S2 terminals. See figure 1.
- 2 - Connect pink wire from existing control harness to three field-installed wires using a wire nut. See figure 1.