

INSTALLATION AND OPERATING INSTRUCTIONS

002B353-00 Rev B

Cage Code 56183

Date 26 Aug. 91

MODULE POWER CONNECTION RETROFIT KIT

6-PAK AIR DRYERS

GENERAL

This instruction provides installation procedures to retrofit a 6-PAK air dryer with new module power cable connectors. The module power connection retrofit kit (TX P/N 4210M192) includes the required connectors for retrofit. These connectors eliminate any sticking or poor connection problems experienced with some original type connectors. In addition, the conductor carrying the highest current has been divided between two (2) pins instead of one (1). The two (2) conductors are crimped into a single butt splice and handled like one wire for uniformity of installation.

INSTALLATION PROCEDURES

To retrofit the 6-PAK air dryer with new module power cable connectors, see Figure 1 and proceed as follows:

NOTE: Before installation, make necessary arrangements to provide an alternate source of dry air to maintain cable pressurization.

CAUTION: Before completing any procedures, read through all instructions to verify 6-PAK wire colors. If wire colors do not match, contact TX Technical Services for further instructions. (973) 442-7500.

1. Disconnect alarm plug(s) to prevent monitoring of undesired alarms.
2. **Remove all voltage from 6-PAK by switching power off at disconnect box.**

WARNING: Dangerous electrical shock will result if power is not removed.

3. Open right front panel door of air dryer. Locate and remove upper and lower screws securing black center gauge panel door. Swing this hinged panel open to provide a comfortable working area.
4. Disconnect system "C" power cable plug from jack on gauge panel. **NOTE:** Change connectors in all three systems, whether installed or not, to maintain uniformity.
5. Unwrap plastic spiral from power cable and cut off old plug connector about 3 – 4 inches back from connector to insure sound insulation and conductor.
6. Using wire strippers, remove ¼ " of insulation from each wire (4) of power cable. If the black wire on the module is 18 AWG (smaller than the others), strip an additional 1/4 " and fold the conductor back on itself to give a length of ¼ ".
7. Connect new power cable plug by inserting wires into associated crimped connectors (match wire colors: Orange, White*, Red and Black) and crimped each connector.
8. Rewrap plastic spiral around power cable.
9. Repeat steps 4 through 8 for systems "B" and "A".
10. Remove power cable jack on gauge panel for system "C".
11. Unwrap plastic spiral from wire harness and cut off jack connector.
12. Using wire strippers, remove ¼ " of insulation from each cut wire (4) of the harness.
13. Connect new power cable jack by inserting wires into associated crimp connectors (match wire colors: Orange, White, Red* and Black) and crimp each connector.
14. Rewrap plastic spiral around wire harness, insert new power cable jack into gauge panel and connect new power cable plug.

15. Repeat steps 10 through 14 for "B" and "A" systems. Note color change: Orange, Blue*, Red and White for "B" system and Orange, Blue*, Black and White for "A" system.
16. Replace screws securing gauge panel.

NOTE: After completing the installation procedure, check each drying system for proper operation (refer to the 6-PAK Technical Manual as required). Be sure to reconnect alarm plug(s).

- **Double connector crimped as a single wire.**

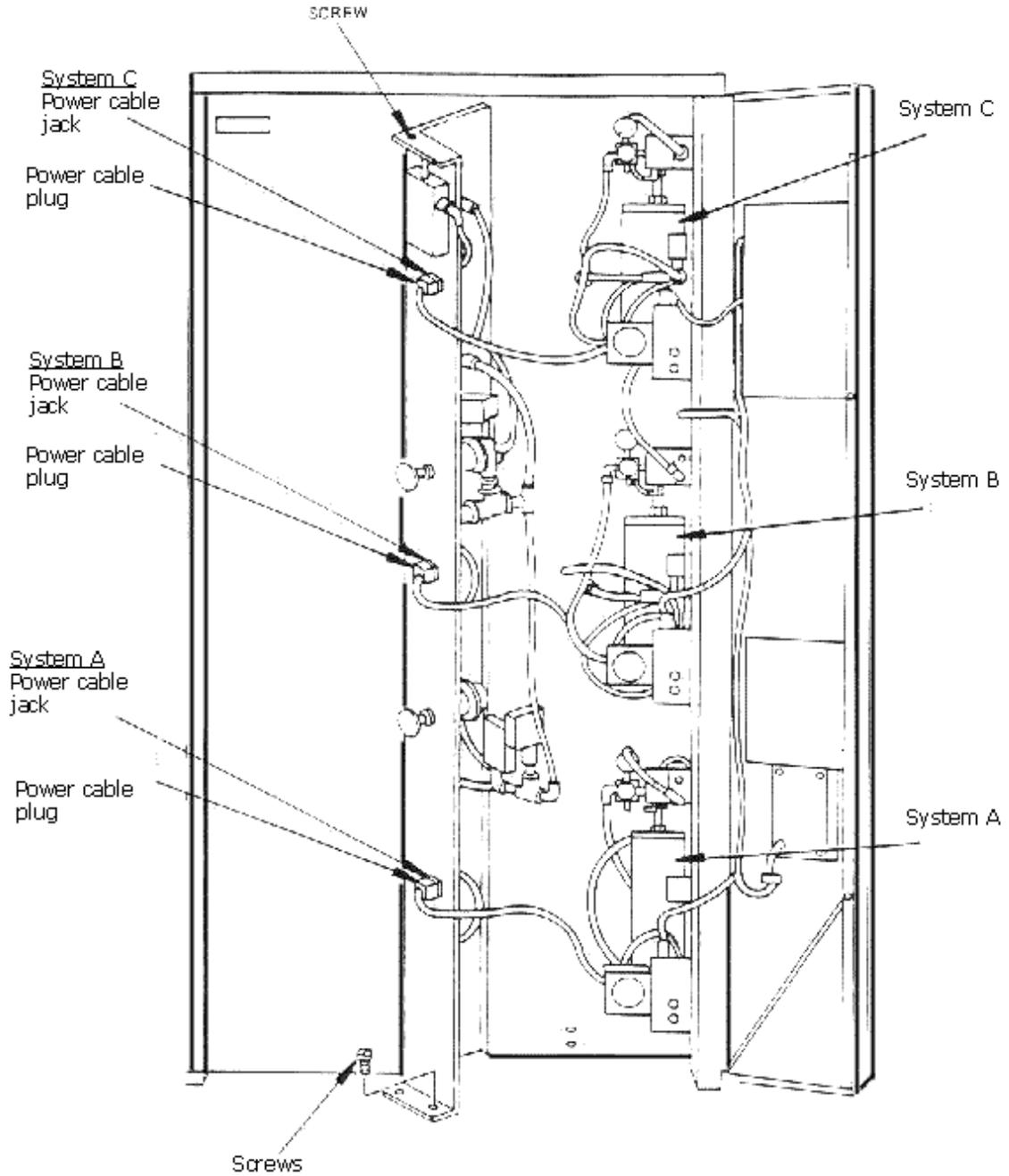
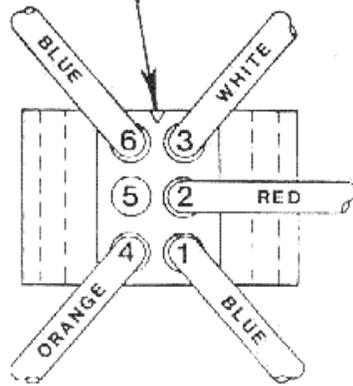


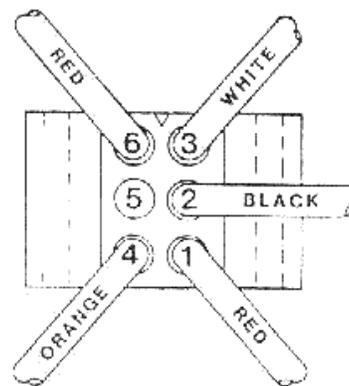
Figure 1. Installation Diagram

ORIENTATION
NOTCH (TYP)



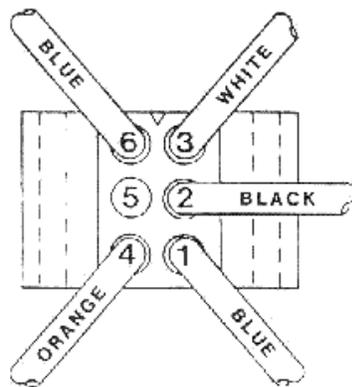
FRAME JACK SYSTEM B

NOTE:
TWO BLUE WIRES ARE
TERMINATED AS ONE



FRAME JACK SYSTEM C

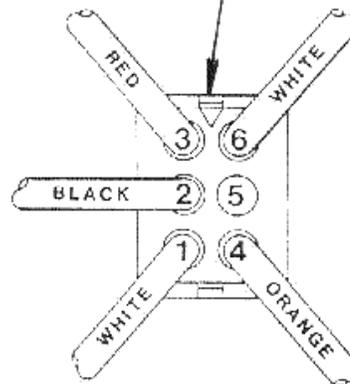
NOTE:
TWO RED WIRES ARE
TERMINATED AS ONE



FRAME JACK SYSTEM A

NOTE:
TWO BLUE WIRES ARE
TERMINATED AS ONE

ORIENTATION
NOTCH



MODULE PLUG SYSTEM A-B-C
(3 REQ'D)

NOTE:
TWO WHITE WIRES ARE
TERMINATED AS ONE