

For use with Lancer JR. Type LI
General Purpose AC Inverter Drives.

REMOTE FREQUENCY/FAULT INDICATOR MOD KIT

MODEL 92326 46S02713-0010

INTRODUCTION

Before installing this kit, a **TECHNICALLY QUALIFIED INDIVIDUAL**, who is familiar with this type of equipment and hazards involved, should **READ** this **ENTIRE INSTRUCTION SHEET**.

DESCRIPTION

This Louis Allis kit includes all the material described in Table 1 and illustrated in Figure 1. The installation of this kit enables the user to view the **FREQUENCY/FAULT** display from outside of the inverter enclosure. The Frequency/ Fault Display PCB uses the existing LEDs.

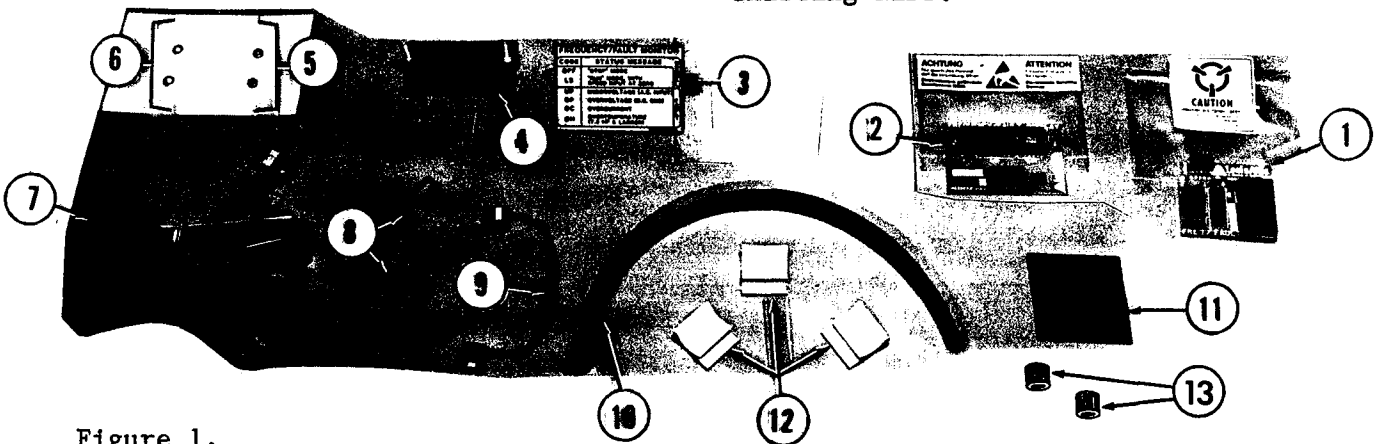


Figure 1.

Table 1. KIT CONTENTS

ITEM	QTY	DESCRIPTION	PART NO.
1	1	Frequency/Fault Interface PCB	46S02711-0010
2	1	Frequency/Fault Display PCB	46S02712-0010
3	1	Label Plate "FREQ./FAULT" (adhesive backed)	45T00289-0000
4	1	Bezel (with mounting hardware)	05P00099-0027
5	2	4-40 KEP Nuts	05P00300-5004
6	2	#4 Flat Washers	05P00301-0001
7	1	14 Conductor Ribbon Cable	05T00808-0010
8	2	Hold Down Clips (for item 7)	05P00001-0126
9	1	Connector Cable Assembly	05T00809-0010
10	1	Gasket Material (adhesive backed)	D.E.P. 13I.2.30
11	1	Plastic Lens Cover Plate (adhesive backed)	45T00277-0000
12	3	Strap Clips	05P00064-0076
13	2	Spacers	05P00065-0117

CHANGE RECORD

1	STD-2582	7/23/86
2	STD-2662	11/19/86

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INSTALLATION

1. Disconnect all electrical power to drive.
2. Open or remove drive front cover; retain thumbscrews.
3. Verify voltage has been disconnected by using a voltmeter to check for voltage at incoming power terminals.

WARNING

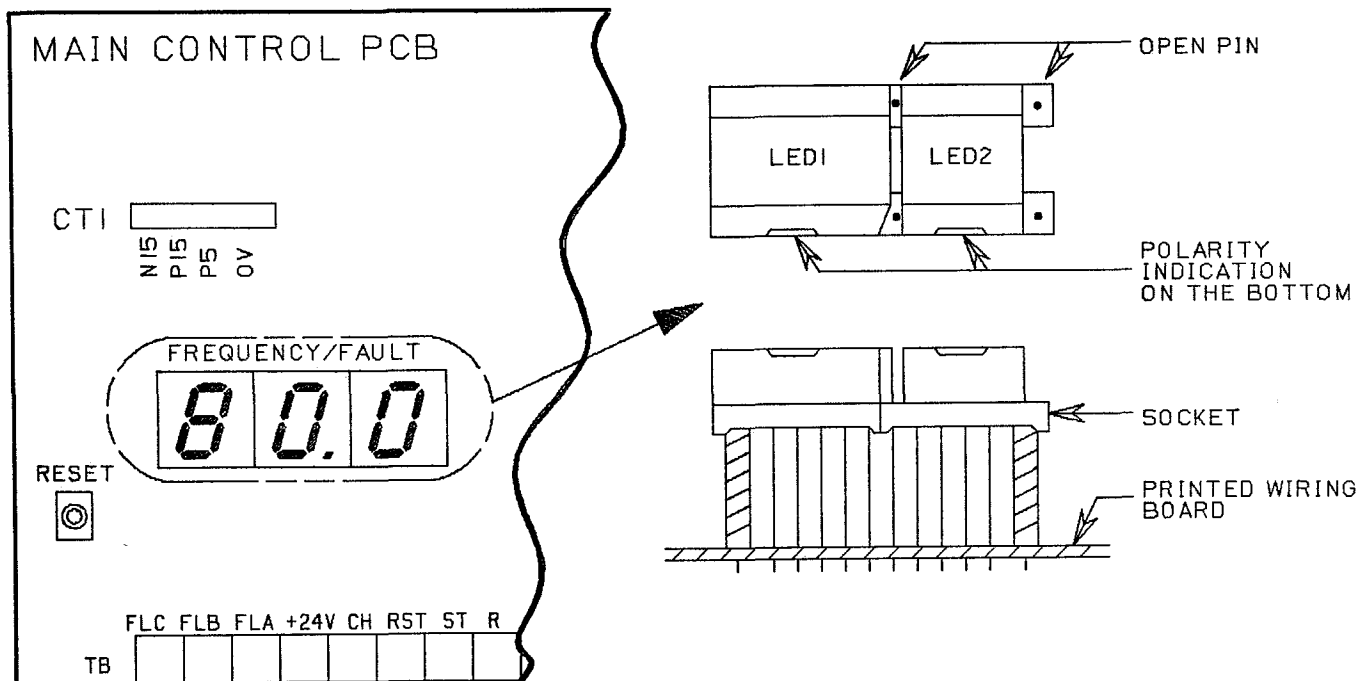
HAZARDOUS VOLTAGE CAN CAUSE SEVERE INJURY OR DEATH.

LOCK ALL POWER SOURCES FEEDING DRIVE IN "OFF" POSITION.

4. See Figure 3. Remove the two screws which secure the existing Operators Control Station (OCS) plate; retain the screws. Leave the wiring between the OCS plate and the Main Control PCB terminal strip intact. Allow the plate to drop down below the PCB.

5. See Figure 2. By hand or with IC removal tool, remove LED1 and LED2 from the FREQUENCY/FAULT display socket on the Main Control PCB. Retain the LEDs for later use.

6. See Figure 3. Position the Frequency/Fault Interface PCB (item 1) as shown. Ensure that all PCB pins are properly aligned with the socket, then press PCB into place.



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Figure 2.

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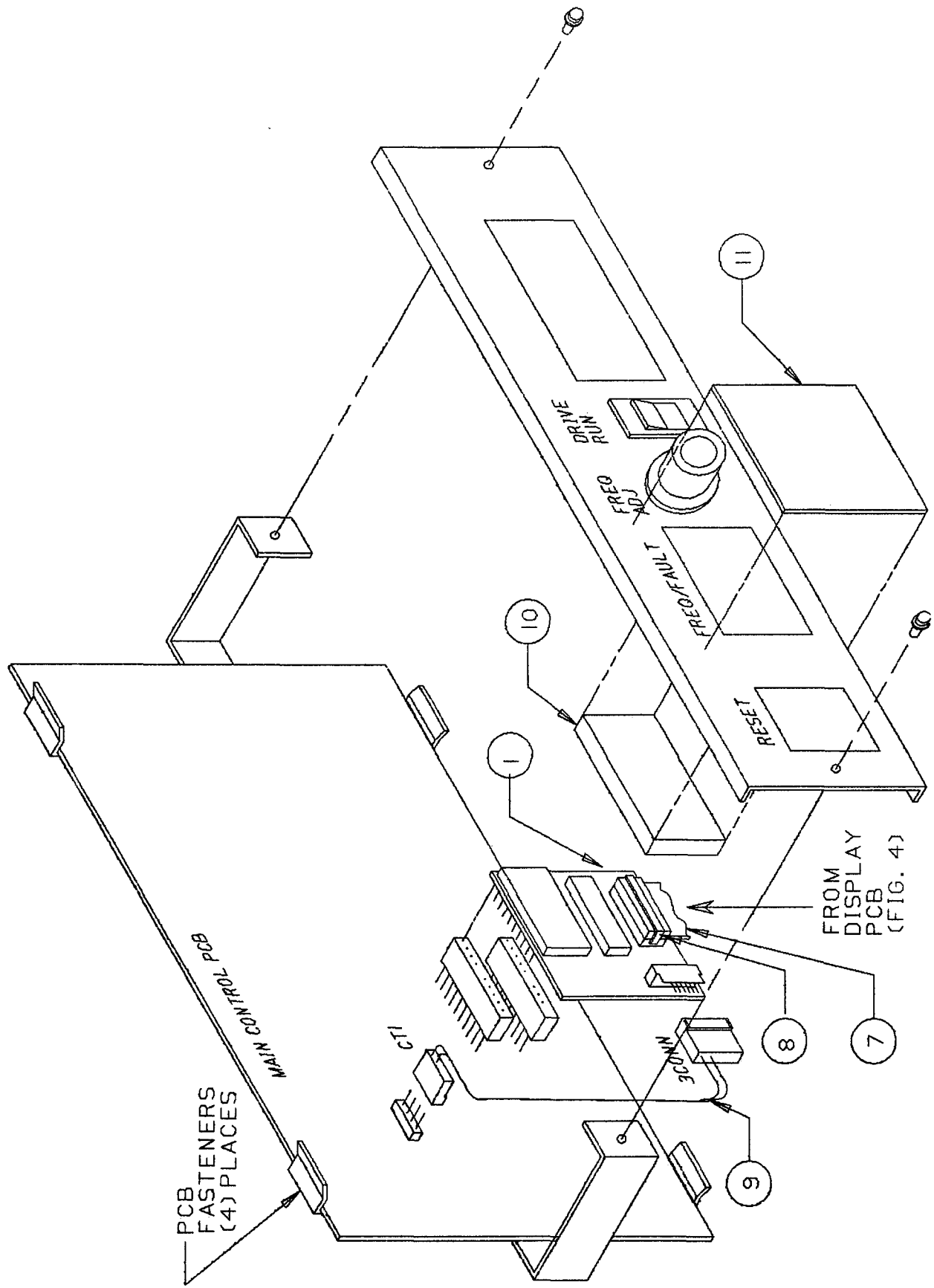


Figure 3.

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7. See Figure 3. Match pin 1 of the 5-pin 3CONN female connector of item 9 with pin 1 of 3CONN male plug on the Frequency Fault Interface PCB, and press into place. Then match pin position "N15" of the 5-pin CT1 female connector of item 9 to pin N15 of the 5-pin CT1 male plug on the Main Control PCB, and press into place.

8. See Figure 3. Cut a 2.5" length from item 10. Remove the protective covering from the adhesive side, and apply the gasket to the back side of the OCS plate, covering the LED lens.

9. Reposition and secure the OCS plate to the inverter chassis.

10. See Figure 3. Remove the protective covering from the adhesive side of item 11, and apply to the OCS plate so that the existing lens plate and "FREQUENCY/FAULT" marking are completely covered.

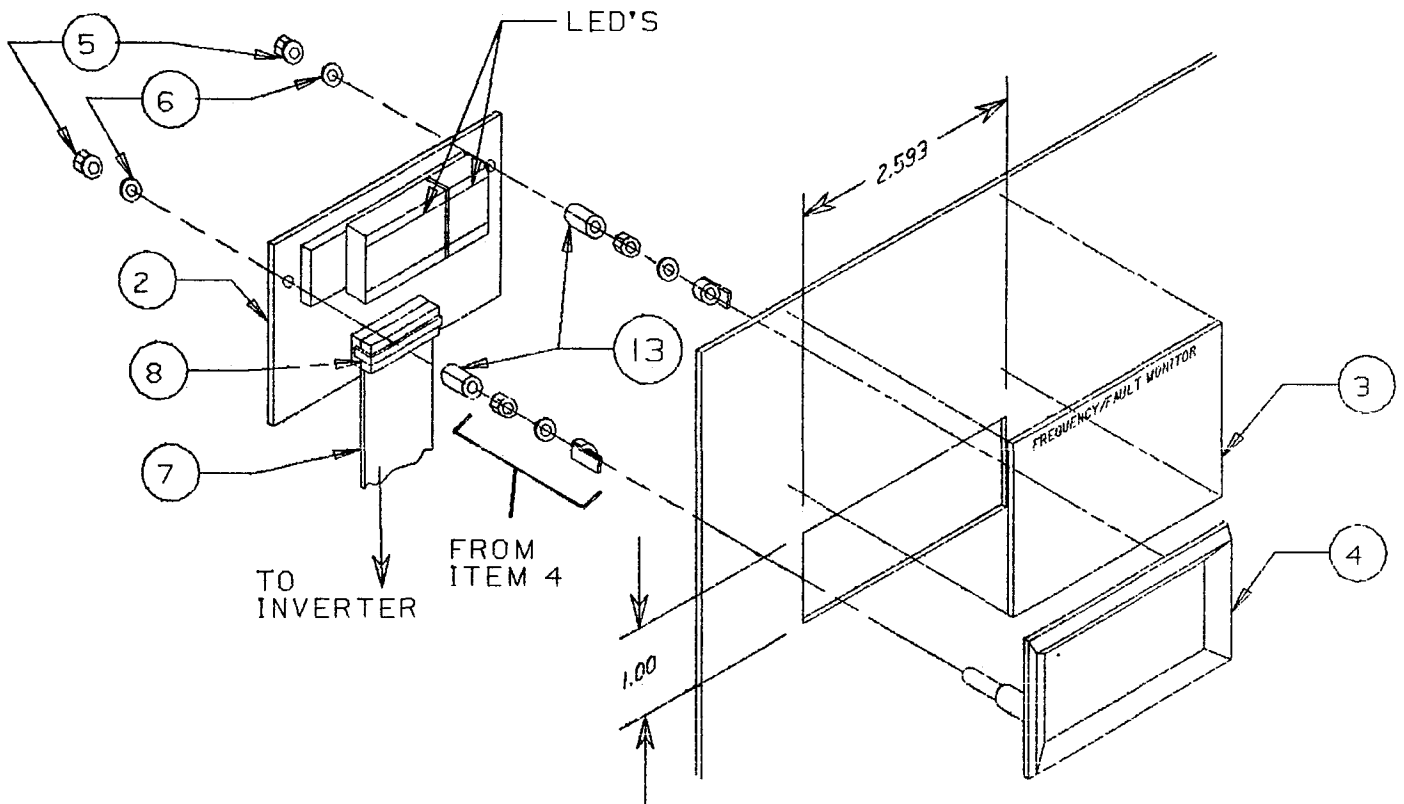
11. See Figure 4. On the panel where the Frequency/Fault Display PCB is to be mounted, mark and cut an opening, using the given dimensions. Remove all burrs.

IMPORTANT

The distance from the Interface PCB to the Display PCB CAN NOT exceed 7 feet.

12. See Figure 4. Install the LEDs at positions marked 1LED and 2LED on the Frequency/Fault Display PCB (item 2).

13. See Figure 4. Remove nuts, washers and plastic clamps from studs of item 4. Mount bezel from outside of panel, then reinstall clamps (with tabs turned outward), washers and nuts. Tighten nuts snugly; check to ensure that bezel is not loose.



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Figure 4.

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14. See Figure 4. Mount spacers (item 13) and place the Frequency/ Fault Display PCB on the bezel studs and secure with item 6 and item 5. Tighten KEP nuts until snug.

15. See Figure 4. Match pin 1 of one connector of item 7 to the ICONN DIP socket on the Display PCB. Ensure that all pins are properly aligned with the socket, then press until fully seated. Secure with a hold down clip (item 8).

16. Route the other end of the ribbon cable to the inverter and into the enclosure. See Figure 3. Match pin 1 on the connector to pin 1 of the ICONN DIP socket on the Interface PCB. Ensure that all pins are properly aligned with the socket, then press until fully seated. Secure with the remaining hold down clip.

17. Remove protective covering from the adhesive backed strap clips (item 12) and apply to panel to secure ribbon cable.

IMPORTANT

Position the clear plastic sleeving on the ribbon cable so that it provides protection where the ribbon cable passes any cabinet hinge.

18. See Figure 4. Remove protective covering from the adhesive side of item 3 and apply to outside of panel above the bezel.

This completes the installation of this modification kit. The inverter instruction manual should be consulted to ensure that all other connections required for proper operations have been made. Then replace/close inverter cover and secure with thumbscrews.

Refer to the inverter instruction manual for Operating Status and Fault Status indications.

Insert this instruction sheet inside the back cover of the inverter instruction manual.

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