

For use with Lancer JR. Type L1
General Purpose AC Inverter Drives.

AUTO RESET/RESTART MOD KIT

MODEL 92352 46S02748-0010

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

IMPORTANT

This kit may have been installed by the factory. However, certain steps can only be completed at the installation site. Therefore, review and then perform those steps which complete the installation process.

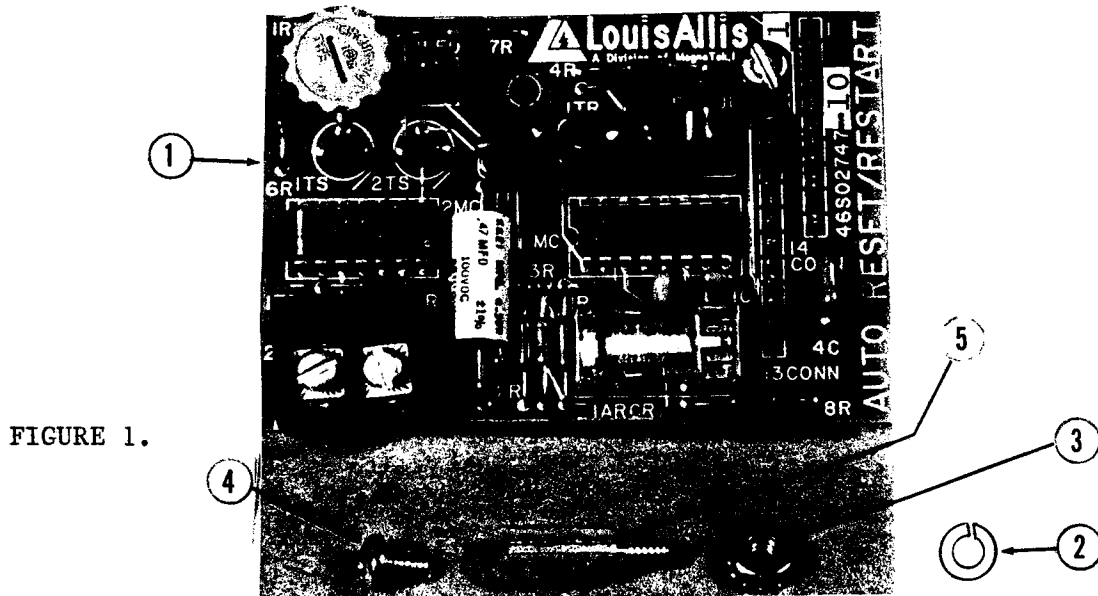


FIGURE 1.

Table 1. Kit Contents

ITEM	QTY	DESCRIPTION	PART NO.
1	1	Auto Reset/Restart PCB	46S02747-0010
2	1	#6 Split Lock Washer	05P00300-1003
3	1	6-32 KEPS Nut	05P00300-5008
4	1	6-32 x 0.25 Lg. Screw	05P00306-0503
5	1	Hex Spacer	05P00065-0018

CHANGE RECORD

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DESCRIPTION

This Louis Allis kit includes all the material described in Table 1 and illustrated in Figure 1. It can only be installed in a Lancer JR. Type L1 inverter drive which has an ARNI-889 REV D or above Main Control PCB.

When installed, this kit provides a Auto Reset/Restart signal to the inverter following loss of input voltage (80% or less). This signal can be delayed to allow for coast down time of the motor (300 sec. max) by adjusting the TIME potentiometer.

INSTALLATION

IMPORTANT

- a. If this mod kit is to be installed in the inverter, proceed to Step 1.
- b. If this mod kit is to be installed in a Multi Adapter mod assembly, FIRST complete installation steps stated in 02Y00025-0204. Then proceed to Step 5.
 1. Disconnect all electrical power to drive.
 2. Open or remove drive front cover.
 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. If installed in inverter:
 - a. See Figure 2. Remove the two Phillips 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 below the PCB.

- b. See Figure 2. The Main Control PCB is held in place by (4) hinged locking PCB fasteners. Grasp the top of the board in a convenient location and release from the top (2) fasteners by gently pulling the board forward while pushing upward on the locking portion of the fasteners.

- c. See Figure 2. Insert the male end of the hexagonal metal spacer thru the 0.12 inch diameter hole designated "STD" on the Main Control PCB. Pivot the top portion of the board out and away from the chassis far enough to allow the 6-32 KEPS nut to be placed behind the PCB, and fastened to the metal spacer. Turn the metal spacer finger tight. Then snap the Main Control PCB back into place.

- d. See Figure 2. Note that there are (2) 11-pin female connectors (13CONN and 14CONN) on the back side of the Auto Reset/Restart PCB. Position the board so that these connectors are aligned with male pin connectors CN13 and CN14 on the Main Control PCB. Ensure that all 22 pins engage and then snap the board into place. Use the other set of hardware to secure the board to the metal spacer.

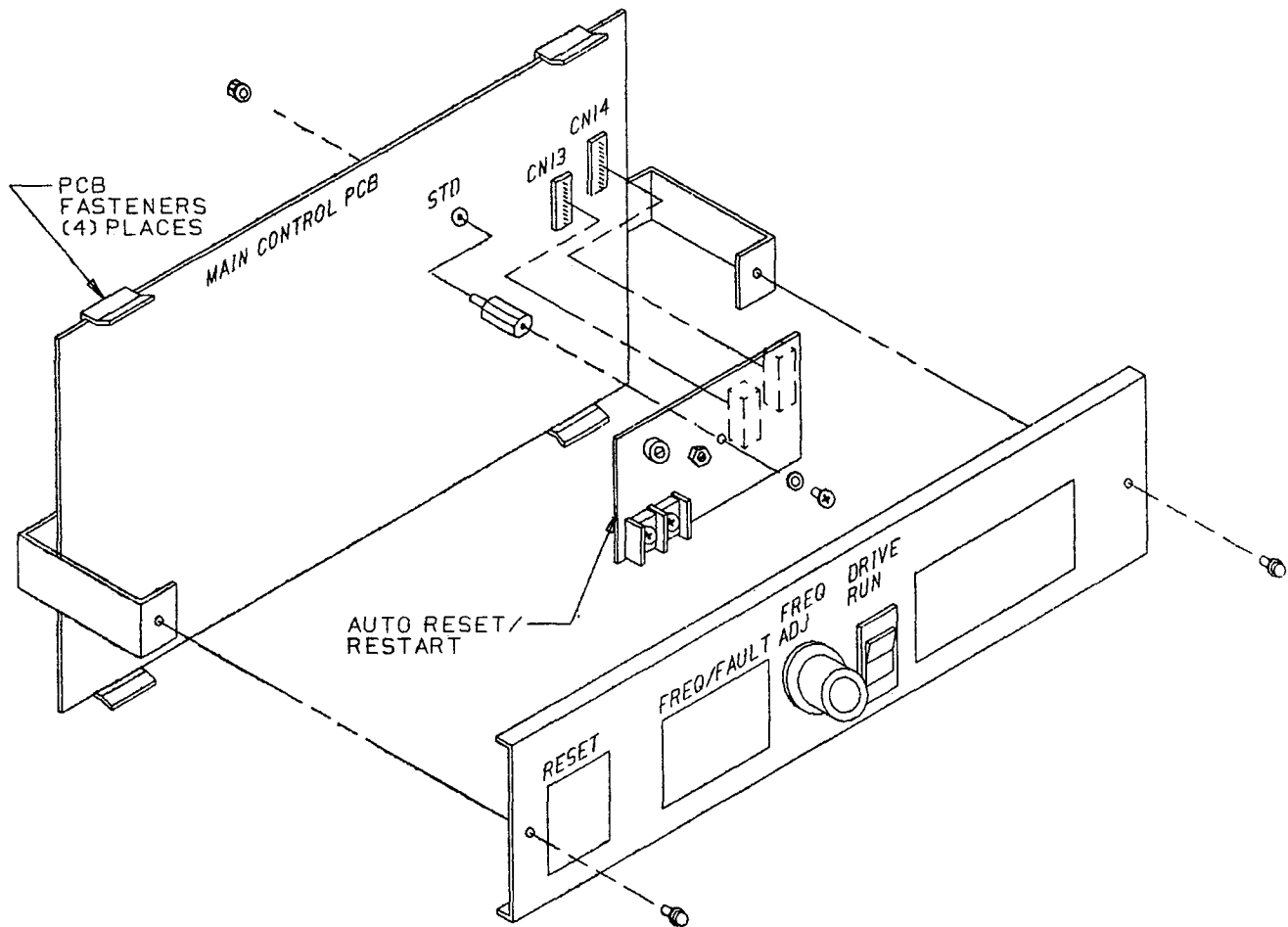
5. If installed in Multi Adapter:

NOTE

For this installation, the metal spacer and hardware provided in the mod kit will not be used.

- a. At the option position where the board will be installed in the Multi Adapter, remove the hardware from the end of the metal spacer.

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TD.1 2Y25 0219 F102

Figure 2.

b. Note that there are (2) 11-pin female connectors (13CONN and 14CONN) on the back side of the Auto Reset/Restart PCB. Position the board in the option position so that these connectors are aligned with male pin connectors CN13() and CN14() on the Multi Adapter PCB. Ensure that all 22 pins engage and then snap into place. Use the hardware to secure the board to the metal spacer.

WIRING CONNECTIONS

6. See Figure 3. Connect signal wire to 1TB terminal 1, then route wire to RST terminal on Main Control PCB.

ADJUSTMENTS

7. There are two adjustments on the Auto Reset/Restart PCB:

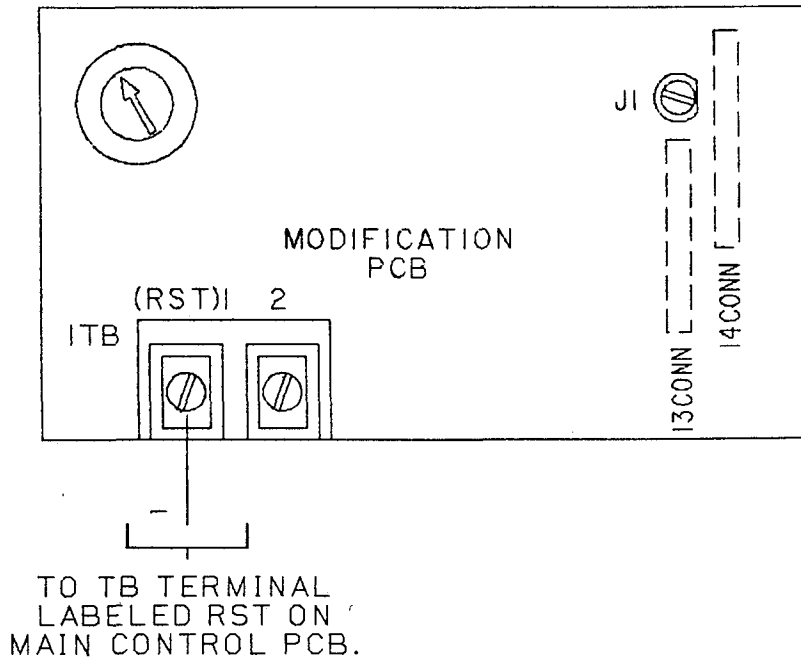
J1 - time range select

1RH - TIME adjustment

NOTE

The PCB is factory adjusted for maximum time setting (J1 "OPEN", 1RH fully CW).

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Figure 3.

8. With J1 in the "OPEN" position (screw turned fully CCW, or removed), the time range will be approximately 150-300 seconds. With J1 "CLOSED" (screw turned fully CW), the time range will be approximately 30-150 seconds.

9. Adjust 1RH for the desired coast down time of the motor.

10. Reposition and secure the OCS plate.

11. Reinstall and secure all enclosure covers.

12. Place this instruction sheet immediately behind the front cover of the inverter instruction manual.

This completes installation of this kit.

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