



Service Information Letter

Doc No. LSI-007

Issued 8/29/03

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Rev. 1

SUBJECT: Service Information for Master Control Unit, Part Number MC03-1A. Installation of P52-0012 Diode Jumper Kit.

PURPOSE:

To provide instructions for installation of the P52-0012 Diode Jumper kit on MC03 Master Control Units (MCU).

EFFECTIVITY:

This service information letter is applicable to all Master Control Units [Part Number MC03](#).

REASON:

[To](#) prevent the occurrence of current drain during long periods of aircraft inactivity.

DESCRIPTION:

[The following instructions detail the procedure](#) to install the P51-0045 diode assembly on the MC03.

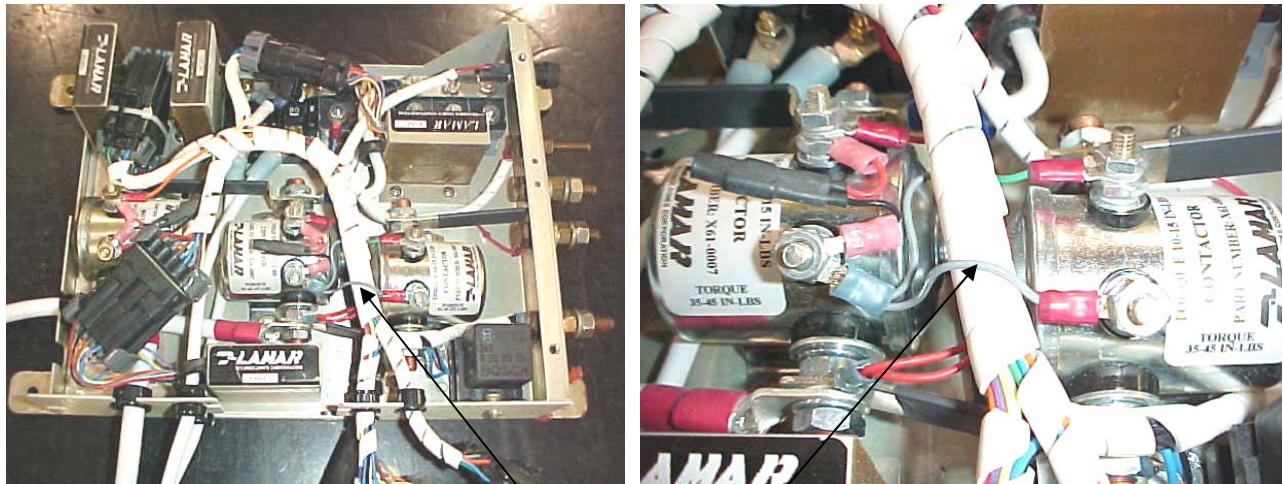
PARTS REQUIRED:

Kit Part No. P52-0012

Part No.	Description	Qty
P51-0045	Diode assembly	1
L52-0044	LSI-007 Label	1
LSI-007	Service Information Letter	1

PROCEDURE:

- 1.) Remove cover from MCU.
- 2.) Locate the grey wire connecting terminal 2 of contactor K1 to terminal 1 of contactor K3. See Figure 1 below.



Gray wire

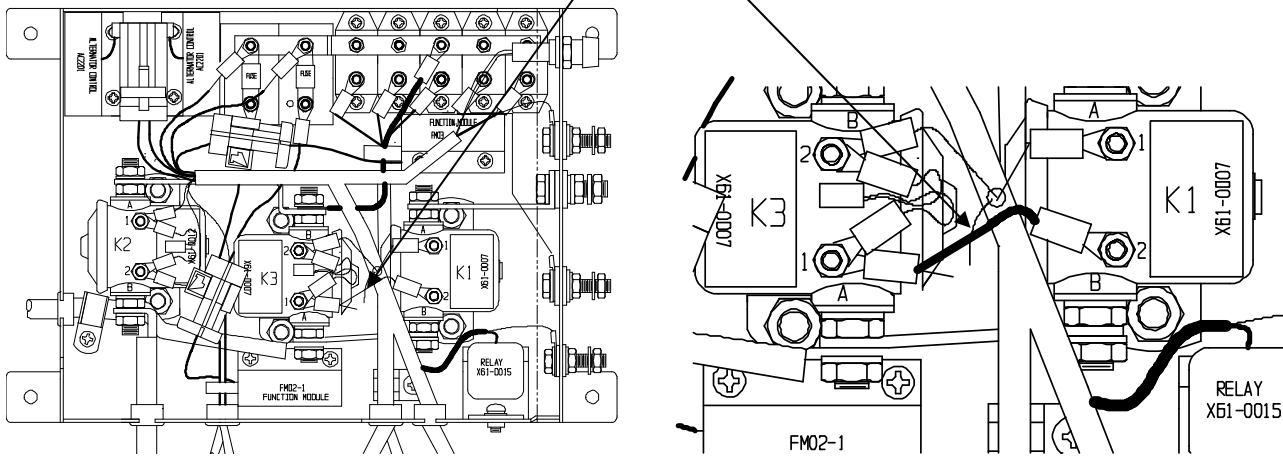
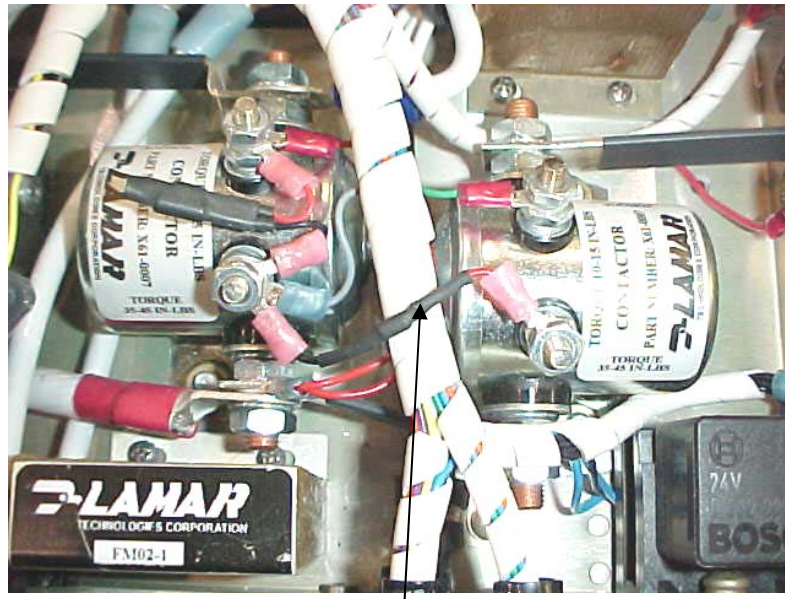


Figure 1

- 3.) Unscrew the nuts securing the lugs to terminal 2 of K1 and terminal 1 of K3.
- 4.) On the side of the grey wire attached to K3, cut the grey wire as close to the terminal lug as possible. Take care to cut only this grey wire, and not the other grey wire (that goes into the harness) attached to this lug.
- 5.) Remove the grey wire lug from terminal 2 of the K1 contactor.
- 6.) Install the P/N P51-0045 diode assembly onto the contactor terminals. Assure that the black wire side of the assembly is on K3, terminal 1 and the red wire side is on K1, terminal 2.
- 7.) Replace the nuts on the contactor terminals and tighten to 10 to 15 in-lbs.

- 8.) The completed upgrade is shown in Figure 2 below.



Diode assembly

Figure 2

- 9.) Replace the cover on the MCU and secure in place with the screws.
- 10.) Place the “LSI-007” label above the product ID label in the edge of the unit. This label identifies the unit as having been upgraded per this procedure.