ANALOG TACH INTERFACE MOD KIT
PCB 46S02665-0010   SCHEMATIC 45S02665-0010

DESCRIPTION

This option is one of a series available for the Louis Allis Saber mb3208 DC drives. It consists of components necessary for modifying the basic Controller to operate as a speed regulator with speed feedback from a an AC or DC analog tachometer (tach).

INSTALLATION

The following items are provided with the PCB:

a. Ribbon cable P3, part no. 05T00796-0020.

b. Cable assembly P12, part no. 05T00797-0010.

c. Mounting clip, part no. 05P00065-0132 (qty. 3).

WARNING

DISCONNECT AND LOCK-OUT INCOMING POWER BEFORE REMOVING OR INSTALLING PCB.

1. Remove all power to the drive. Remove the contactor interlock or jumper wire between terminals TB1-1 and TB1-2.

2. Remove the front cover by pulling gently on the four fasteners, one in each corner, to unlock them.

3. See Figure 1. Install the mounting clips in pre-drilled holes on the CPU/Control PCB.

4. Remove ribbon cable connectors P3A and P3B from the Keyboard/Display (or Diagnostic Indicator) and CPU/Control PCB's, respectively.
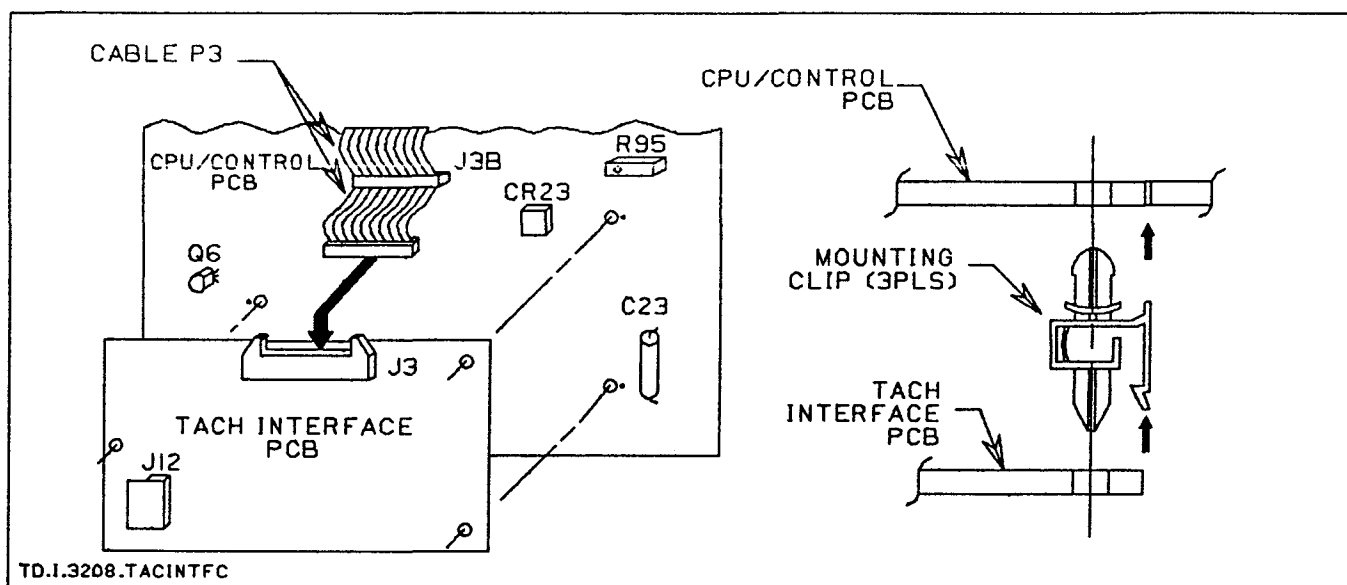

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Figure 1

5. Insert same connectors of new P3 cable (05T00796-0020) into the respective PCB's. These connectors are keyed for proper installation.

6. Snap Analog Tach Interface PCB into place on the mounting clips.

7. Connect P3C to J3C on the Analog Tach Interface PCB.

8. Connect one end of P12 cable to J12 on the Analog Tach Interface PCB. These connectors are also keyed for proper installation.

9. Route the other cable end to the hinge side of the swing out panel, and feed thru to inside of drive.

10. Open swing out panel by turning captive fastener screw 1/4 turn.

11. Route cable to Control Interface PCB and connect to J12.

12. Close swing out panel and secure by pushing captive fastener screw.

13. Replace contactor interlock or jumper wire between terminals TB1-1 and TB1-2.

ADJUSTMENTS

1. Perform tach calibration per Section 7 of Saber mb3208 Installation/ Operation manual 3M.

2. Perform Speed Regulator Setup per Section 3.3.5 of the manual.

Installation is now complete. Replace front cover and secure by pushing in the four fasteners, one in each corner.

OPTION RECORDS

Insert this instruction sheet immediately inside the front cover of the mb3208 Controller manual.

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