

## TACH DAMPING MODIFICATION

(3306 KITS: MODEL 73453F, MODEL 73498)

**PCB 46S02273-0020 SCHEMATIC 45S02273-0020**

### DESCRIPTION

This modification is one of a series available for Louis Allis Saber DC drives. It consists of components necessary for modifying the basic Controller, in conjunction with the Speed Regulator modification, providing an additional stability adjustment. It also includes a modification overlay for the Controller schematic diagram.

The modification PCB is to be installed to the Volt/Speed Main PCB (3306) or the Regulator PCB (3412), as shown in Figure 1. Installation instructions are contained in the Controller instruction Manual.

After installing the modification PCB, apply the overlay to the schematic diagram as described in the Controller instruction manual.

### INSTALLATION

#### WARNING

REMOVE ALL INPUT POWER TO DRIVE BEFORE INSTALLING MODIFICATION KIT.

### INTERCONNECTION

No interconnections are required for this modification.

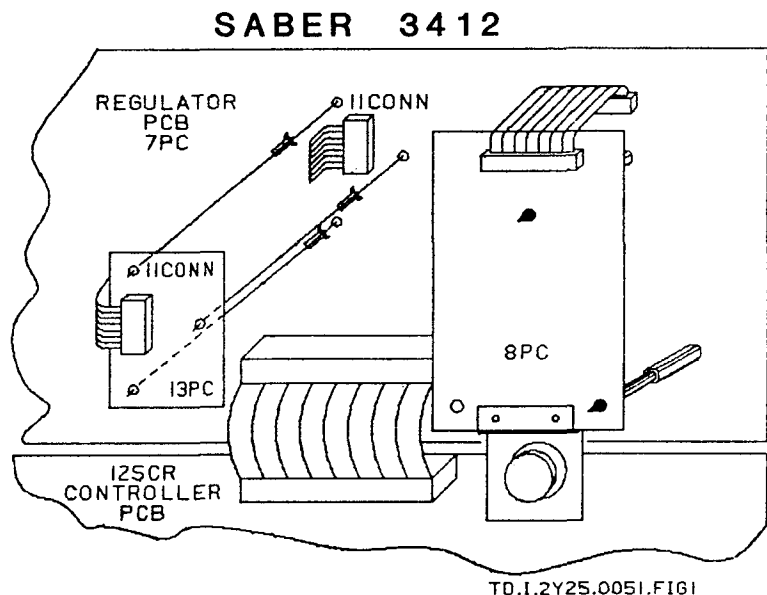
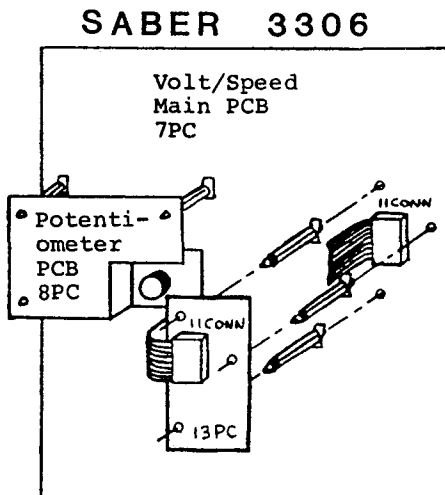


Figure 1.

CHANGE RECORD	4	STD-2733	3-20-87 RDL		DWG. NO. 02Y00025-0051
1 STD-1430	3/4/82				SHEET 1 OF 2
2 STD-2033	6/14/84				EFF. 5/5/82 (K)
3 STD-2666	2-3-87 RDL				

## ADJUSTMENTS

After the Speed Regulator adjustments have been completed, adjust the DAMPING POT (1RH) on the Tach Damping PCB for most stable operation.

## TROUBLESHOOTING

Observe drive response to changes in tachometer input. If changing the setting of the DAMPING pot does not affect drive response, replace the Tach Damping option PCB or ribbon cable 11CONN. Otherwise, check adjustments on Speed Regulator option PCB.

## MODIFICATION RECORDS

After completing installation of all modifications:

A. Modify the Controller identification number using Method 1 in the Controller instruction manual. Insert the appropriate designator in block 2.

B. If not already present, affix the OPTION ADJUSTMENTS label to the inside of the Power Cube cover, to the right of the STANDARD ADJUSTMENTS label.

C. On the OPTION ADJUSTMENTS label, record the final settings of all pots or switches on this modification.

D. Insert this instruction sheet immediately behind the front cover of the Controller instruction manual.

DWG. NO. 02Y00025-0051  
SHEET 2 OF 2  
EFF. 5/5/82 (K)