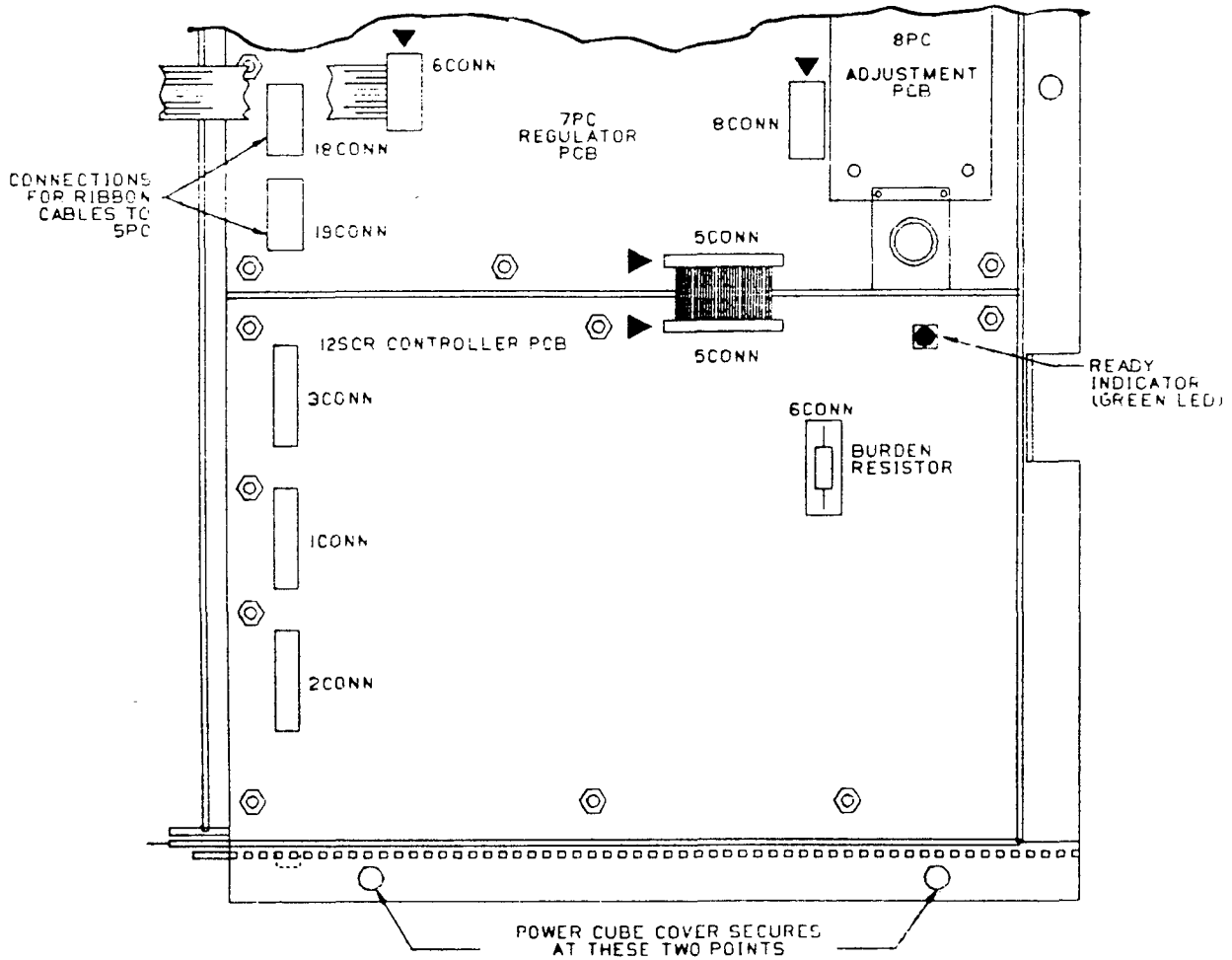


For Saber 3412 DC Drives
 10HP 240 VAC
 20HP 500 VAC

**BURDEN RESISTOR SELECTION
 FOR OVERLOAD PROTECTION
 KIT 46S02735-0020**

The standard Controller is shipped without a burden resistor in place on 6CONN of the 12SCR Controller PCB. See Figure 1 for location of 6CONN. The burden resistor calibrates the current feedback signal. For this reason, the motor characteristics (full load rated amps, HP, and voltage) must be matched

to the proper burden resistor value. Refer to Table 1 for selection of the burden resistor. The burden resistor kit contains a number of 6CONNS, each of which contains a different valued resistor. Select the 6CONN marked with the part number identified in Table 1 and insert into 6CONN.



Ref. TD 135 FIG 1 2

Figure 1.

| CHANGE RECORD | | | | DWG. NO. 02Y00025-0216 |
|---------------|--|--|--|------------------------|
| | | | | SHEET 1 OF 2 |
| | | | | EFF. 6/3/86 |
| | | | | |

Table 1. Burden Resistor Selection

| BURDEN RESISTOR ASSY. (6CONN) KIT PART NO. 46S02735- | DRIVE RATING | | RATED FULL LOAD AMPERES | LOUIS ALLIS PART NO. 46S02641- |
|--|-----------------|----|-------------------------------|---|
| | VAC | HP | | |
| 0020 | 240 | 10 | 35.3 - 36.3 | -0170 |
| | | | 36.4 - 37.3 | -0180 |
| 37.4 - 38.4 | | | -0190 | |
| 0020 | 500 | 20 | 32.1 - 33.1 | -0140 |
| | | | 33.2 - 34.1 | -0150 |
| | | | 34.2 - 35.1 | -0160 |

DWG. NO. 02Y00025-0216
 SHEET 2 OF 2
 EFF. 6/3/86