Colt Industries

Fairbanks Morse
Engine Accessories Operation
BELOIT, WISCONSIN 53511

INSTRUCTION

Power Capacitor

In a continuing effort to take advantage of improvements made in electronic components, we have moved the power capacitor from the end cap cover to the power board. This move allows us to use the latest mylar capacitor(s), which have proven to be better at resisting the vibrations which are encountered on an engine. These new boards are being used in production and are completely interchangeable with all models of SCSA magnetos.

Determine which power board is required for the magneto to be serviced. Reference: SCSA4-0

1. Remove the four screws which hold the end cap cover to the magneto.

2. Remove the DY2433 power capacitor from the end cap cover.

3. Use the mounting screws to seal the holes in the end cap cover. Be sure to seal with locking compound. Reconnect the black wire to one screw.

4. Cut the white/green wire which was connected to the DY2433 power capacitor as close to the connector as possible. Be sure to insulate with either electrical tape or Alpha-fit heat shrinkable insulating tubing.

   NOTE: Any leakage to ground will cause failure of the magneto.

5. Remove the heat sink from the magneto housing to gain access to the power board.

6. Disconnect the wires from the power board and remove the power board from the heat sink.

7. Depending on the type of 10 ohm resistor used, (found above the power board on the Heat Sink Assembly) move the leads to make room for the power board with capacitor(s).

8. Install wires and test magneto as outlined in SCSA3-5.