

## Procedure 7.9 - Replacing the Filter Capacitor

### Removing the Capacitor

1. With the lift set at level 1, turn off the EFX 544 with the circuit breaker, then unplug the power cord from the wall outlet.

#### **WARNING**

Before continuing with this procedure, review the Warning and Caution statements listed in Section One, Things You Should Know.

2. Remove the front cover as described in Procedure 7.1.
3. Slide the plastic cap back from the capacitor terminals. Remove the screws that secure the wires to the terminals of the capacitor. Remove the wires from the terminals.
4. Loosen the screw and locknut on the capacitor clamp. Remove the capacitor from the clamp.
5. If you are removing and replacing the capacitor clamp . . .

#### **THEN . . .**

Continue with the next step.

#### **OTHERWISE . . .**

Skip to Step 8.

### Removing the Capacitor Clamp

6. Remove the screws that secure the capacitor clamp to the lower electronics bracket.
7. Position the new capacitor clamp so that it is flush with the lower electronics bracket. Replace the the screws that secure the clamp to the bracket.

### Replacing the Capacitor

Take care not to nick the capacitor case. If the bare metal of the capacitor comes in contact with the capacitor clamp, equipment failure could result.

8. Position the new capacitor in its mounting position. Tighten the screw and locknut on the capacitor clamp.
9. Make sure the wires taken off the capacitor are routed through the capacitor cap. Connect the loose black wires to the negative terminal of the capacitor. (see Diagram 7.5). Connect the loose red wires to the positive terminal of the capacitor. Replace the screws that secure the wires to the capacitor terminals. Slide the plastic cap over the capacitor terminals.

10. Re-install the front cover as described in Procedure 7.1, then check the operation of the EFX 544 as described in Section Four.

**Diagram 7.3 - Capacitor Wiring**

