

MX-10, CX-10

Phase Compensation Capacitor Replacement Procedure

This document describes the procedure for replacing the phase compensation capacitor in the MX-10, MX-10 Extreme, and CX-10.

The replacement capacitor is P/N 04030092, "35 μ F MFR-25 w. quick connect".

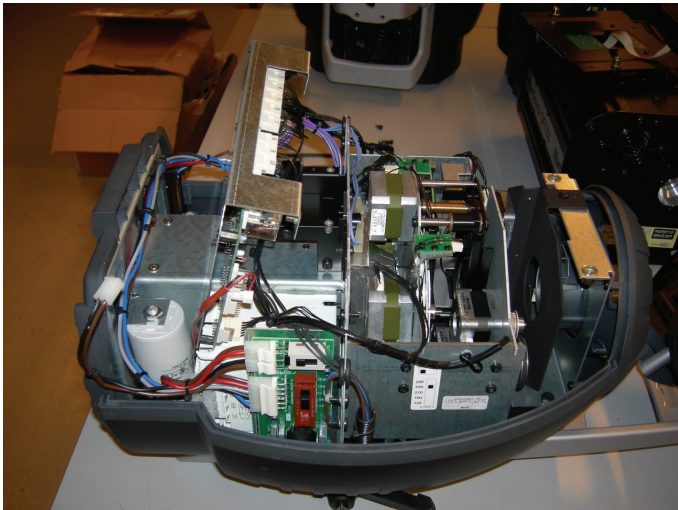
Safety information

Warning! Disconnect the fixture from power and allow to cool before servicing. Service must be carried out by qualified professional technicians only.

Replacement procedure

To replace the phase compensation capacitor:

1. Remove the top cover.
2. Remove and disconnect the display module.
3. Remove the 2 screws that hold the main PCB.
4. Unplug the 2-pole connector with the brown and black wires next to the lamp relay from the main PCB.
5. Lift out the PCB with the remaining cables connected.



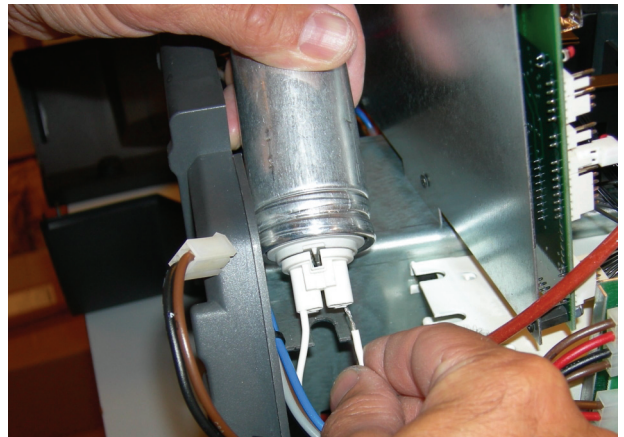
6. Remove the capacitor retaining nut with a 13 mm wrench.

7. Lift the old capacitor away from the fixture and cut its two white leads **as close to the capacitor as possible, as illustrated below – do not shorten the leads.** Remove the old capacitor.



If the capacitor leads are not in perfect condition, prepare new leads with white 0.75 mm² (18 AWG) wire.

8. Remove about 5 mm (1/4 in.) of insulation. Twist the ends of the wires to make them stiff and press them into the quick connect terminals of the replacement capacitor. (The capacitor is not polarized.)



9. Install the new phase correction capacitor and fasten with the existing lock washer and nut.
10. Re-install the PCB and reconnect the brown and black wires from the voltage/frequency selection PCB.
11. Connect and install the display module.
12. Check that all wires are in perfect condition, that connections are secure and that wires are secured clear of moving parts.
13. Replace the cover before applying power.

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