

MAC 250, 250+, 300 Phase Compensation Capacitor Replacement Procedure

This document describes the procedure for replacing the phase compensation capacitor in the MAC 250, MAC 250+, and MAC 300.

The replacement capacitor is P/N 04030087, "MFR-1 35 μ F, Quick connect".

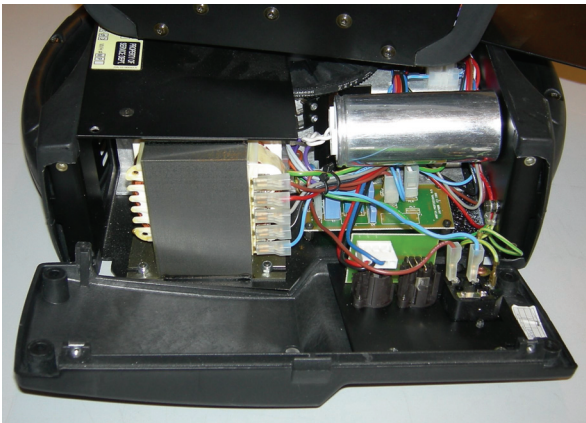
Safety information

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

Replacement procedure

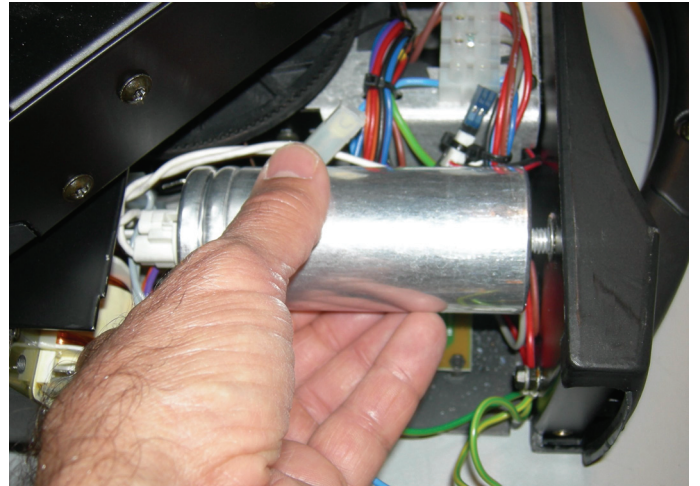
To replace the phase compensation capacitor:

1. Remove the top and side covers from the data link side of the base.



2. Unscrew the old capacitor, lift it away from the fixture and cut its two white leads **as close to the capacitor as possible – do not shorten the leads**. Remove the old capacitor.
If the capacitor leads are not in perfect condition, prepare new leads 50 and 15 cm long with white 0.75 mm² (18 AWG) wire and an insulated 6.3 mm female spade connector securely installed on the short lead.
3. Strip about 5 mm (slightly less than 1/4 inch) of insulation from the ends of the two leads and twist the ends of the wires to make the strands stiff. Press each end into a terminal on each side of the new capacitor to establish a circuit through the capacitor (the capacitor is not polarized).
4. To compensate for the twisting of the leads that will occur when you tighten the body of the capacitor into its mounting, twist the capacitor three or four times counter-clockwise.

5. Apply a drop of Loctite 243 to the stud and then screw in the capacitor.



6. Check that wires are not under tension and that insulation is in perfect condition.
7. Ensure that the wires are clear of moving parts and secure them as necessary with strip ties.
8. Check that all connections are secure before replacing the base covers.

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