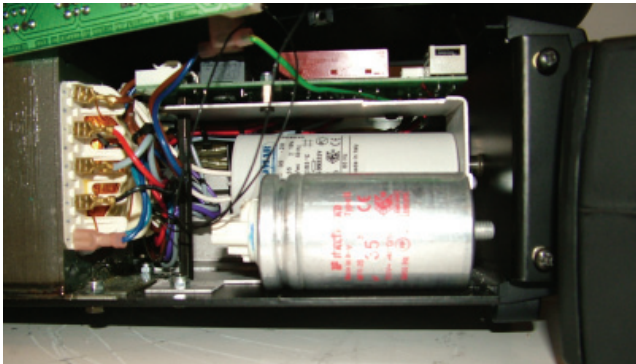


MAC 250 Wash, Krypton, Entour Phase Compensation Capacitor Replacement Procedure

This document describes the procedure for replacing the phase compensation capacitor in the MAC 250 Wash, MAC 250 Krypton and MAC 250 Entour.

The replacement capacitor is P/N 04030092, "MFR-25 – 35 μ F, Quick connect". The illustration below shows the new capacitor with its aluminum housing placed loosely beside the old capacitor that must be removed.



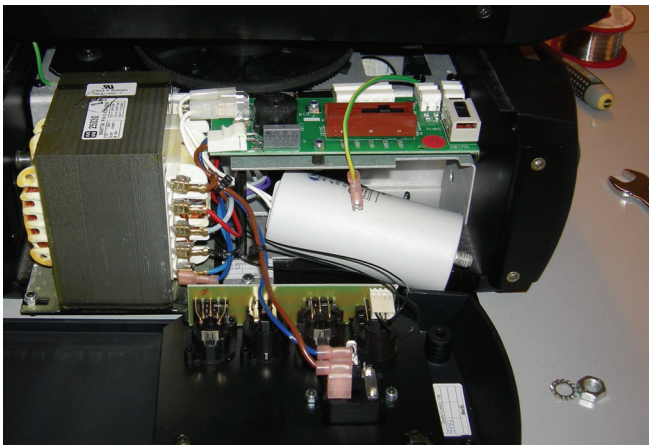
Safety information

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

Replacement procedure

To replace the phase compensation capacitor:

1. Remove the top and side covers from the data link side of the base.
2. Remove the capacitor retaining nut with a 13 mm open-end wrench. Keep the lock washer and nut for reuse.

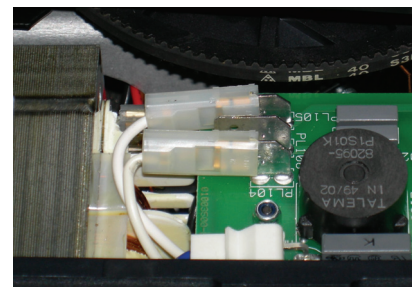


3. Lift the old capacitor away from the fixture and cut its two white leads **as close to the capacitor as possible, as illustrated below – do not shorten the leads**. Remove the old capacitor.



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

4. 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). Installing leads may be easier if you disconnect them temporarily from the voltage/frequency selection PCB.
5. Install the new capacitor and fasten with the lock washer and nut from the old capacitor.
6. If you disconnected the capacitor leads, reconnect them to PL 104 and PL 105 on the voltage/frequency selection PCB as shown on right.
7. Check that wires are not under tension and that insulation is in perfect condition.
8. Ensure that the wires are clear of moving parts and secure them as necessary with strip ties.
9. Check that all connections are secure and that the top cover ground (earth) wire is connected to the AC inlet, then reinstall the covers before applying power.



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