

# MAC 500, MAC 600 Phase Compensation Capacitor Replacement Procedure

This document describes the procedure for replacing the phase compensation capacitor in magnetic ballast versions of the MAC 500, MAC 600, and MAC 600 NT.

The replacement capacitor is P/N 04030088, "MFR-1/C 60  $\mu$ F w. terminals".

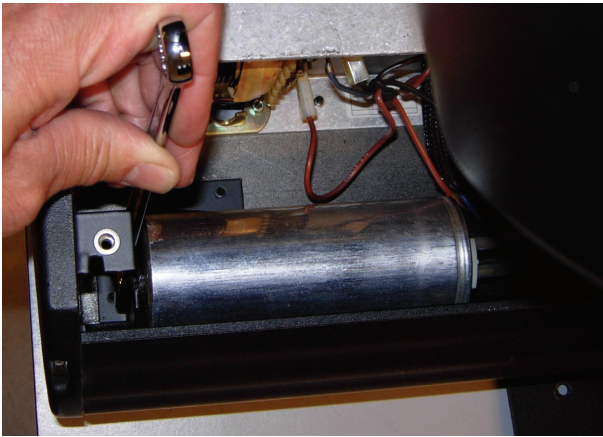
## Safety information

**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:

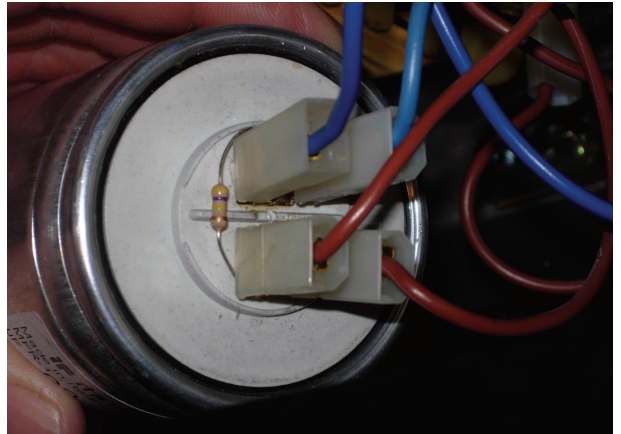
1. Disconnect the fixture from power and allow to cool.
2. Remove the top cover from the data link side of the base.
3. Loosen the 13 mm capacitor retaining nut and remove the capacitor.



4. Check that a bleed resistor is soldered across the terminals on the new capacitor as illustrated on right.



5. Transfer the leads to the new capacitor, connecting the brown wires to one pair of terminals and the blue wires to the other pair. (The capacitor is not polarized.)



6. Transfer the nut and lock washer from the old capacitor to the new capacitor, place the capacitor in the mounting bracket and tighten the retaining nut.



7. Ensure that wires are clear of moving parts and secure them as necessary with strip ties.
8. Check that wires are not under tension and are in perfect condition.
9. Check that connections are secure.
10. Replace the base cover before reapplying power.

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