Exterior 200
Phase Compensation Capacitor Replacement Procedure

This document describes the procedure for replacing the phase compensation capacitor in Exterior 200 fixtures.

The replacement capacitor is P/N 04030091, “20 µF MFR-1 w. quick connect.”

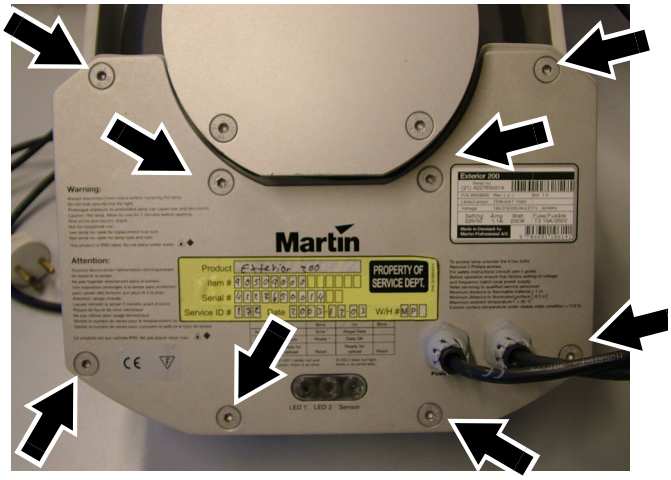
Safety information

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

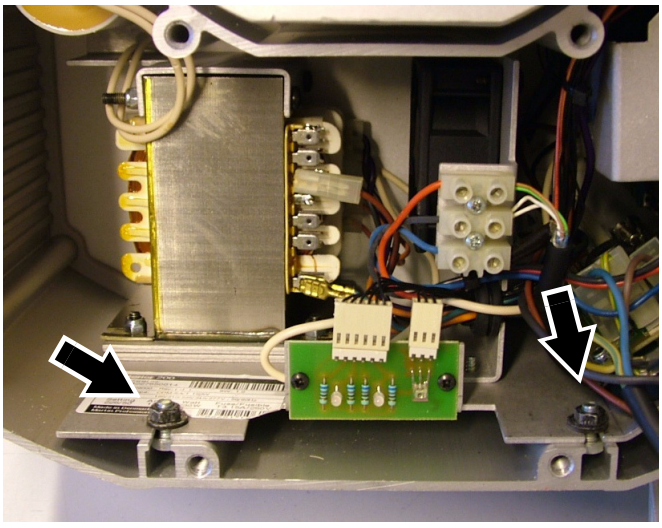
Replacement procedure

To replace the phase compensation capacitor:

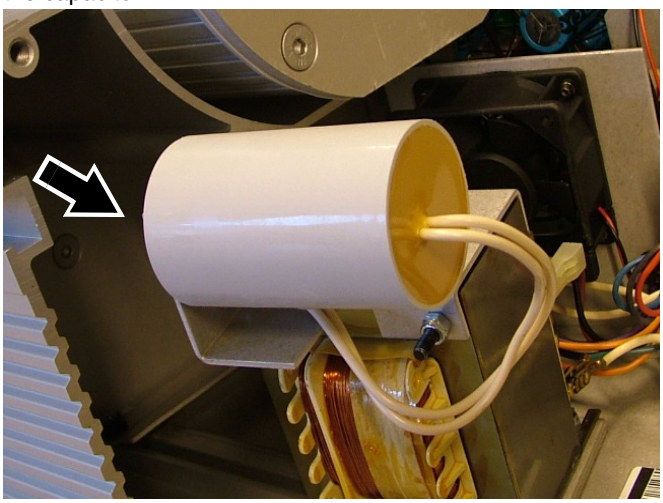
1. Disconnect the fixture from power and allow to cool.
2. Remove the eight hex bolts to open the base module.



3. Unscrew the two retaining nuts and pull the base out of the casing, taking care not to stress any wire connections.

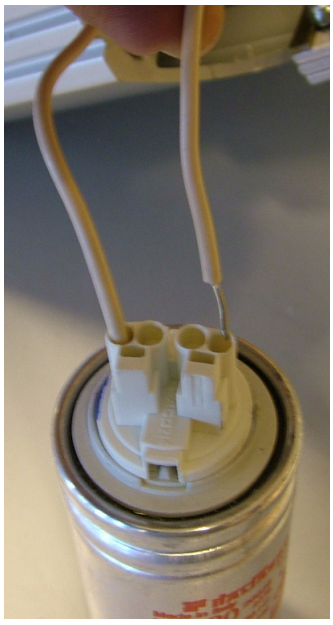


4. Remove the capacitor retaining nut and lock washer to detach the capacitor.



5. Use a wire cutter to clip the wires as close to the capacitor as possible.
6. Strip about 5 mm (slightly less than 1/4 inch) of insulation from the ends of the two leads.

7. 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).
8. Transfer the nut and lock washer from the old capacitor to the new capacitor, place the capacitor in the mounting bracket and use a wrench to tighten the retaining nut.
9. Ensure that wires are clear of moving parts and secure them as necessary with strip ties.
10. Check that wires are not under tension and are in perfect condition.



11. Check that connections are secure.
12. Slide the base back into the casing and secure it by tightening the two retaining nuts with a wrench.
13. Replace the base cover. To maintain the fixture's resistance to dust and moisture, it is important that you reinstall seals and covers carefully. To ensure a correct seal at critical joints, a quality torque wrench or driver with an adjustment range that includes 1.0-2.0 Nm (0.8-1.5 Ft-Lbs) must be used to tighten screws to the torque settings. Damage caused by incorrectly torqued screws is not covered by the product guarantee.
14. Secure the base cover with the eight hex bolts. Cross-tighten all the bolts gradually to a torque of 1.8-2.0 Nm (1.3-1.5 Ft-Lbs). At this torque, the seal will be compressed by about one-third. Seals should stick out 0.5-1 mm (1/64-1/32 in.) beyond the outside of the casing. If you can feel the gasket when you run a finger across the joint, that's enough.