

Station Master Coil Refurb Kit Installation

Thank you for purchasing the Shockwave Station Master feed point coil refurb kit. Your kit includes the following components.

- Heavy Duty Coil.
- SO239.
- PVC covered wire.
- 4 x Pop Rivets.
- Weather cap for SO239.
- Weather cap for top coil attachment.

Tools required for installation.

- Battery Drill & bit (3.5mm).
- Soldering Iron & Solder.
- POP rivet gun
- Small tube of Silicone.
- #2 Phillips head screwdriver.
- Small shift spanner.
- Side cutters.

Removal of old components

1. Remove any old weather caps from the SO239, including any silicone from mounting bracket and coils fixing points.
2. Remove the old wire by cutting free from the SO239. Undo retaining nut & remove SO239 from mounting bracket.
3. With a battery drill & suitable bit drill out the head of old pop rivets that hold the coil in place and discard old coil and components.
4. With soap and water clean any surfaces on mounting bucket and antenna driven element to be free of any dirt and corrosion. **Don't use a steel brush or wool on aluminium, Use brass or stainless steel.**

Installation of new kit

1. Take the new coil and position in place keeping the coil as far as possible from the conduit. Align hole on driven element and coil flat section and mark with a pencil. Do the same for the bottom of the coil and mounting bracket base.
2. Using a battery drill and a 3.5mm bit, drill the pencil markings.
3. Line up holes on the coil, driven element and bracket & POP rivet in place.
4. Solder one end of the wire to the SO239 socket.
5. Mount the SO239 socket to the mounting base and secure with retaining nut.
6. Slide large black weather cap over the wire with the opening towards the SO239.
7. Solder other end of the wire to the brass tap adjustment point.
8. Apply silicone to the top coil connection point sealing the area and place the Black button cover on top. Seal top of SO239 with silicone, also place some sealant in the weather cap and slide the cap down over the SO239.
9. Remove and clean old silicone from top of the conduit and aluminium & run a bead of fresh silicone and with a wet finger smooth off.
10. **Allow the silicone to cure between 24 to 72 hours, this is dependent on the temperature and humidity of your location.**

Congratulations on the installation. Hope you get many more years of enjoyment from your Station mater MK1.