



**Apache  
Aviation**

**QUALITY CNC CUT ALL WOOD R/C MODEL AIRCRAFT KITS AND ACCESSORIES**

**REPLACEMENT OF IGNITION SYSTEM METAL SPARKPLUG CAPS**

**The replacement Metal Spark Plug Cap Set consists of:**

- 2 Metal Plug Cap Halves
- 1 Rubber Boot
- 1 Spark Plug Terminal Connection Coil Spring or Wire
- 1 Circlip
- 1 Cleat
- 2 Heat Shrink Sleeves



**Removing the old cap**

- Cut the two layers of heat shrink sleeve off, being careful not to cut into the HT lead  
Note how they fit onto the end of the cap – you will replace these with new pieces later
- Remove the cleat from the HT lead end of the metal plug cap and pull back the braid slightly  
The easiest method is to grind through the cleat with a Dremel – it is not reusable anyway
- Remove the wire circlip from the spark plug end of the metal cap
- Lever the metal cap tabs open to release the two halves from around the boot
- Pull the rubber boot off the HT lead
- Remove the electrical contact coiled spring or folded wire
  - Resistor plug caps use a copper cored HT lead and a coil spring to contact the plug terminal
  - CM6 plug caps use a high resistance HT lead and a folded wire inserted into the centre core

**Fitting the new cap**

- Check the end of the HT lead for damage and cut back to clear the damaged area
- Slide the two pieces of heat shrink sleeve over the HT lead
- Slide the cleat over the HT lead
- Fit the spark plug terminal connection coil spring or wire onto the end of the HT lead
  - BPMR6A/BPMR6F plug caps  
Fit the coil against the end of the HT lead and press the pointed ends of the coil spring through the HT lead, from opposite sides, to contact the centre core
  - CM6 plug caps  
Push the pointed, single wire end of the folded terminal contact wire into the centre of the HT lead as far as the start of the folded section or push one lead of the resistor into the centre of the HT lead as far as it will go,
- Push the rubber boot over the end of the HT lead and terminal contact spring/wire/resistor so that the coil or contact wire is in the centre of the boot, when looked at from the spark plug end
- Fit the two halves of the metal cap over the boot and fit the circlip around the bottom of the cap
- Clamp the two halves of the metal cap together, with a pair of pliers, fold the tabs over and squeeze firmly against the other metal cap section
- Push the HT lead braid over the small end of the metal cap and slide the cleat over the braid and metal cap small end. Clamp the cleat equally on each side until there is a tight fit around the cap and braid
- Fit the two heat shrink sleeves in the same arrangement as originally found on the old cap