



ROTAX OWNER ASSISTANCE NETWORK

Information Education Support

www.rotax-owner.com

“P” lead Information

- The “P” lead so named because it grounds the PPrimary circuit of the ignition system
- It is also called “shorting wire” and “Ignition wires”
- It connects to the main capacitor in the CDI ignition module.
- When the “P” lead is grounded by the ignition switch the capacitor cannot be energized as the electricity takes the easiest path to ground. This prevents the module from firing.
- The P lead should be considered as a source of radio interference (RFI) as it acts like an antenna, transmitting the energy produced by the capacitor along its length.
- For this reason the P lead wire should be shielded.

The P lead should never be connected to a voltage source, 12 Volts are not required for the ignition system to operate.

New style “P” lead

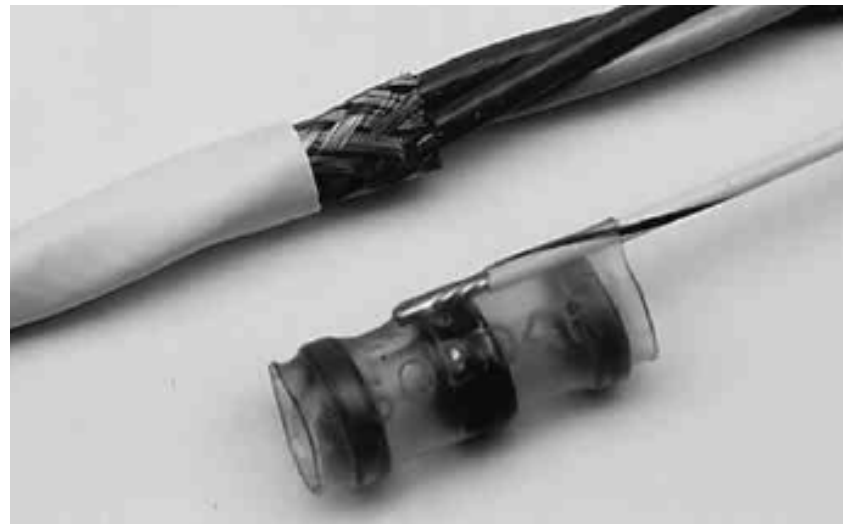


Note:

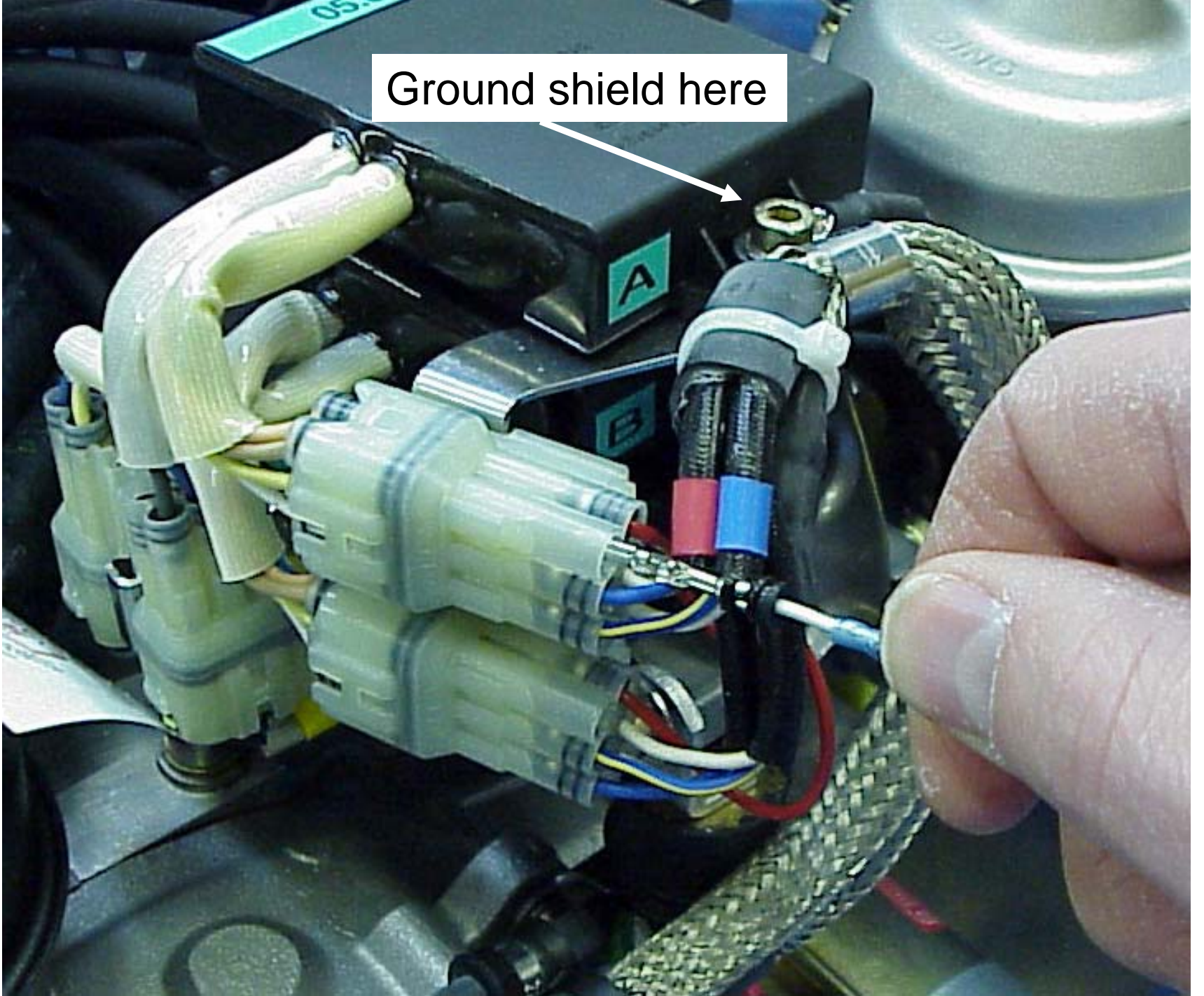
- rubber seal is crimped onto the pin
- No solder allowed on pin/wire connection, use a proper crimper

Shielded wire

- Use proper Mil-spec wire such as AN20S (Mil spec M27500-20TE1T14)
- Use SolderSleeves (p/n D142-50) to connect shielding to ground wire.
- Ground “pigtail” to prevent RFI



Ground shield here





Use a good quality crimper. This one has a double action jaw to get a nice even crimp