

## **INSTALLATION INSTRUCTIONS**

Failure to follow these instructions can severely shorten the life of this part and may void the part's warranty.

### **Installation Process**

1. Disconnect the negative battery cable.
2. Remove connector from wiring harness and 4 cover mounting bolts.
3. Remove housing-to-cover bolts, separate housing and cover.
4. Unplug harness connector from coils.
5. Remove the module from the cover.
6. It is highly recommended to replace or check remainder of failure prone ignition components to prevent re-occurring damage to module.
  - a) Inspect ignition coils for external arcing
  - b) Inspect coil housing for cracks and carbon tracking due to external arcing
  - c) Measure crank sensor continuity. Resistance should be between 500-1,500 ohms
  - d) Inspect spark plug insulators and inside sparkplug connectors for carbon tracking. It is highly likely that spark plugs with smooth porcelain insulators (see illustration) will have carbon tracking. Any spark plug found with carbon tracking must have the companion spark plug connector replaced to prevent future failures. Always apply silicone dielectric boot grease to spark plug porcelain prior to re-installing coil cover assembly.

**It is highly recommended to replace spark plugs & connectors regardless of inspection results.**

7. Clean cover where module is mounted down to bare metal. Module back plate is electrically grounded to cover.
8. Apply thin layer of thermal paste to backplate of module.  
**Failure to do so will cause module to overheat and fail, voiding warranty**
9. Tighten the mounting bolts evenly to 35 inch lbs. (4 Nm). Do not distort backplate of module or unit may fail due to loss of electrical ground and thermal conductivity.
10. Attach the coil harness connector to the module.
11. Install coil housing. Tighten the bolts to 35 inch lbs. (4 Nm). Ensure grounding strap is pinched between cover and cylinder head if equipped when bolting down cover.

**Failure to do so may prevent ignition module from being electrically grounded**

12. Connect the negative battery cable.

Models Covered:

7142
7045

