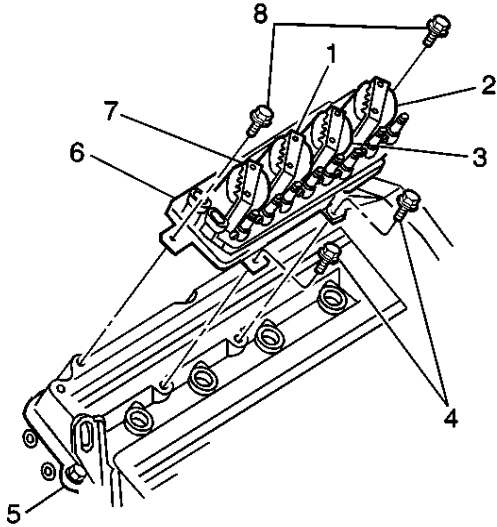


Document ID# 189202

# Ignition Control Module Replacement

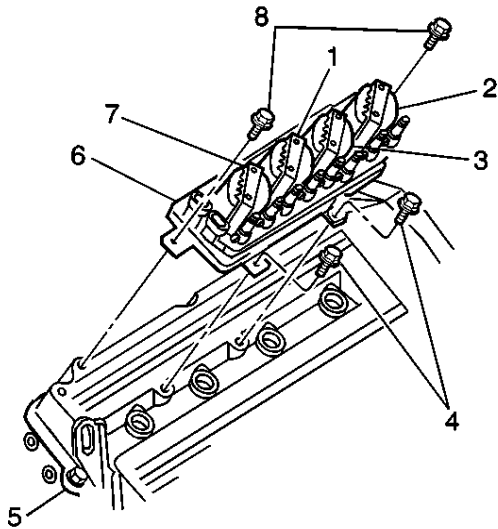
## Removal Procedure

1. Remove the spark plug wires at the ignition control module assembly.
2. Remove the four electrical connectors at the ignition control module.



3. Remove the four bolts (4 and 8) retaining the IC module assembly to rear camshaft cover (5).
4. Remove the IC module assembly from the vehicle.
5. Remove the ignition coils from the IC module assembly (1, 2, 3, and 7).
6. Remove the IC module from the assembly bracket (6).

## Installation Procedure



1. Install the IC module to the assembly bracket (6).
2. Install the ignition coils to the IC module assembly.

### Notice

Use the correct fastener in the correct location. Replacement fasteners must be the correct part number for that application. Fasteners requiring replacement or fasteners requiring the use of thread locking compound or sealant are identified in the service procedure. Do not use paints, lubricants, or corrosion inhibitors on fasteners or fastener joint surfaces unless specified. These coatings affect fastener torque and joint clamping force and may damage the fastener. Use the correct tightening sequence and specifications when installing fasteners in order to avoid damage to parts and systems.

3. Position the IC module assembly on the rear camshaft cover and install the four retaining bolts (4 and 8).  
**Tighten**

Tighten the 4 retaining bolts to 12 N·m (106 lb in).

4. Install the four electrical connectors at the IC module assembly.
5. Connect the spark plug wires to the ignition control module/coil assembly.

### Removal Procedure

#### **Ignition Coils Only**

1. Remove the spark plug wires for corresponding ignition coils at ignition control module assembly.
2. Remove the ignition coil retaining bolts (2 per coil).
3. Remove the coil from the IC module assembly.

### Installation Procedure

#### **Ignition Coils Only**

**Notice**

Use the correct fastener in the correct location. Replacement fasteners must be the correct part number for that application. Fasteners requiring replacement or fasteners requiring the use of thread locking compound or sealant are identified in the service procedure. Do not use paints, lubricants, or corrosion inhibitors on fasteners or fastener joint surfaces unless specified. These coatings affect fastener torque and joint clamping force and may damage the fastener. Use the correct tightening sequence and specifications when installing fasteners in order to avoid damage to parts and systems.

1. Install the ignition coil to the IC module assembly with the 2 retaining bolts. **Tighten**

Tighten the 2 retaining bolts to 3.5 N·m (30 lb in).

2. Install the spark plug wires at the IC module assembly.
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