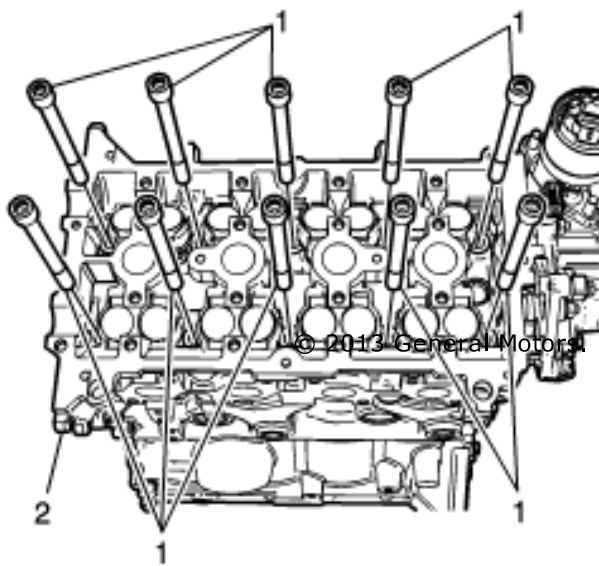


Cylinder Head Replacement

Removal Procedure

1. Disconnect the battery negative cable. Refer to [Battery Negative Cable Disconnection and Connection](#).
2. Drain the engine coolant. Refer to [Cooling System Draining and Filling](#).
3. Relieve the fuel pressure. Refer to [Fuel Pressure Relief](#).
4. Remove the cylinder head cover. Refer to [Valve Rocker Arm Cover Replacement](#).
5. Remove the timing chain cover. Refer to [Camshaft Timing Chain, Sprocket, and Tensioner Replacement](#).
6. Remove the camshaft. Refer to [Camshaft Replacement](#).
7. Remove the intake manifold. Refer to [Intake Manifold Replacement](#).
8. Remove the exhaust manifold. Refer to [Exhaust Manifold Replacement](#).



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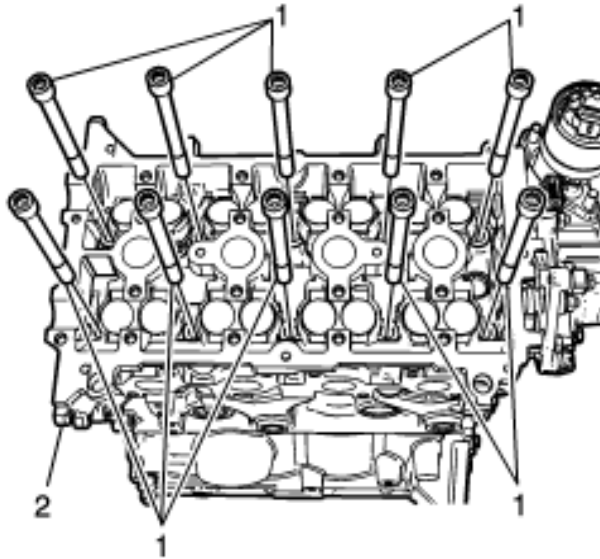


9. Remove the cylinder head bolts (1).
10. Remove the cylinder head (2) with the gasket.

Cleaning Procedure

1. Clean the cylinder head sealing surface.
2. Clean the cylinder block sealing surface.
3. Clean the cylinder head cover bolts.
4. Clean the cylinder head cover bolt holes.

Installation Procedure



1. Install the cylinder head assembly (2) and the NEW gasket.

Caution: Refer to [Fastener Caution](#).

2. Install the cylinder head bolts (1).

Tighten

Tighten the cylinder head bolts to 22 N•m+82 degrees.

3. Install the exhaust manifold. Refer to [Exhaust Manifold Replacement](#).
4. Install the intake manifold. Refer to [Intake Manifold Replacement](#).
5. Install the camshaft. Refer to [Camshaft Replacement](#).
6. Install the timing chain. Refer to [Camshaft Timing Chain, Sprocket, and Tensioner Replacement](#).
7. Install the cylinder head cover. Refer to [Valve Rocker Arm Cover Replacement](#).
8. Refill the engine cooling system. Refer to [Cooling System Draining and Filling](#).
9. Connect the battery negative cable. Refer to [Battery Negative Cable Disconnection and Connection](#).