

# Holden Rodeo 1988-2002 Workshop Manual

ENGINE MECHANICAL (TYGME 2.0L) 6A-40

6A-40

6A-40 ENGINE MECHANICAL (TYGME 2.0L)

## Cylinder Head

### Cylinder Head and Associated Parts



#### Legend

- |                                 |  |
|---------------------------------|--|
| (1) Cylinder Head Bolt          | (6) Camshaft Exhaust                       |
| (2) Camshaft Pulley Flange Bolt | (7) Camshaft Intake                        |
| (3) Camshaft Pulley             | (8) Tappet (P/L & Hydraulic Lock Adjuster) |
| (4) Camshaft Oil Seal           | (9) Bolt Cover                             |
| (5) Camshaft Bracket Bolt       | (10) Valve Spring and Spring Upper Seal    |
|                                 | (11) Valve                                 |

### Disassembly

#### NOTE:

- During disassembly, be sure that the valve train components are kept together and identified so that they can be reinstalled in their original locations.
- Before removing the cylinder head from the engine and before disassembling the valve mechanism, perform a compression test and note the results.

1. Remove camshaft pulley flange bolt (2), then pulley (3).
2. Remove camshaft bracket flange bolt (5), camshaft bracket, then camshaft exhaust (6), and intake side (7).

### Installation

1. Install intake manifold with gasket to cylinder head, tighten bolt and nuts to the specified torque.

Torque: 20 Nm (14 lb ft)

NOTE: Do not reuse the bolts and nuts.



2. Install ignition coil bracket flange bolt.
3. Install intake manifold bracket, tighten bolt.

Torque: 20 Nm (14 lb ft)



4. Install water pump to intake manifold.
5. Install the throttle body with paper gasket to the intake manifold, tighten the four nuts.

Torque: 8 Nm (5 lb ft)

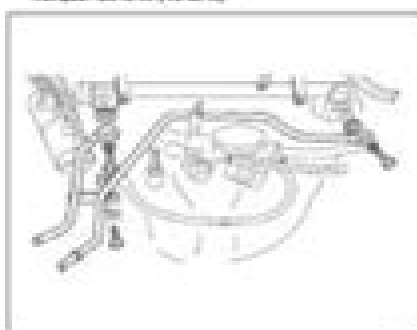
6. Install generator bracket, tighten generator bracket.

Torque: 20 Nm (14 lb ft)  
Lug for  
Mount Bolts: 20 Nm (14 lb ft)



7. Install fuel rail assembly to intake manifold and connect hose between fuel pressure regulator and throttle body.
8. Install fuel pipe and tighten pinch-bolt and connect fuel injector harness.

Torque: 20 Nm (14 lb ft)



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