2012-13 ENGINE Cylinder Head Assembly - 5.0L GDI - Equus

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CYLINDER HEAD

COMPONENTS AND COMPONENTS LOCATION

Components

[RH]

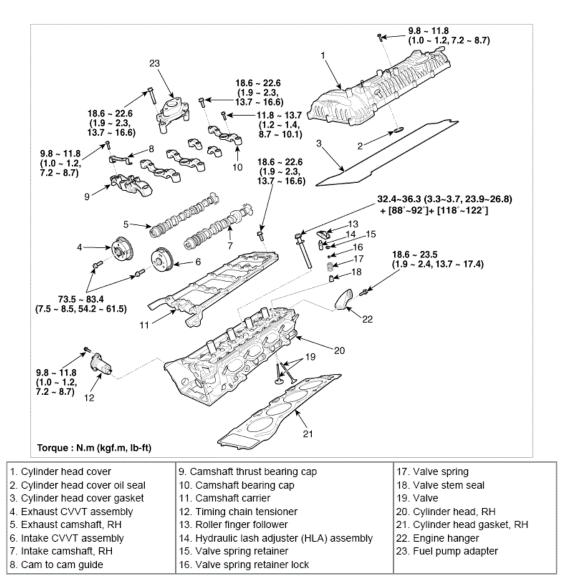


Fig. 1: Identifying Cylinder Head Assembly Components With Torque Specifications (RH) Courtesy of HYUNDAI MOTOR AMERICA

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[LH]

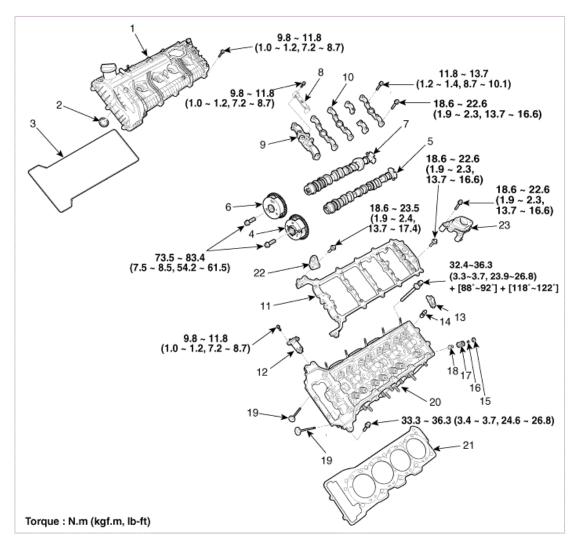


Fig. 2: Identifying Cylinder Head Assembly Components With Torque Specifications (LH) Courtesy of HYUNDAI MOTOR AMERICA

REPAIR PROCEDURES

Removal

- CAUTION: Use fender covers to avoid damaging painted surfaces.
 - To avoid damaging the cylinder head, wait until the engine coolant temperature drops below normal operating temperature before removing it.
 - When handling a metal gasket, take care not to fold the gasket or damage the contact surface of the gasket.
 - To avoid damage, unplug the wiring connectors carefully while

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holding the connector portion.

NOTE:

- Mark all wiring and hoses to avoid misconnection.
 - Turn the crankshaft pulley so that the No. 1 piston is at top dead center.
- 1. Disconnect the negative terminal (A) from the battery.

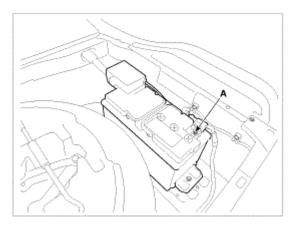


Fig. 3: Identifying Battery Negative Terminal Courtesy of HYUNDAI MOTOR AMERICA

2. Remove the engine room cover (A), engine cover (B) and radiator grill upper cover (C).

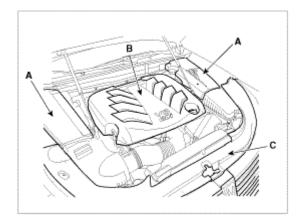


Fig. 4: Identifying Engine Room Covers, Engine Cover And Radiator Grill Upper Cover Courtesy of HYUNDAI MOTOR AMERICA

3. Loosen the drain plug (A) and drain the engine coolant. Remove the radiator cap to speed draining.

WARNING: Never remove the radiator cap when the engine is hot. Serious scalding could be caused by hot fluid under high pressure escaping from the radiator.

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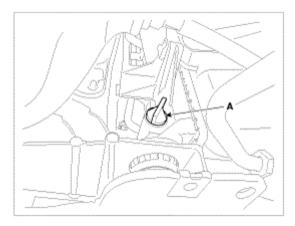


Fig. 5: Identifying Drain Plug Courtesy of HYUNDAI MOTOR AMERICA

- 4. Remove the air cleaner assembly.
 - 1. Remove the air duct (A).
 - 2. Disconnect the breather hose (B).
 - 3. Loosen the clamp (C) and then disconnect the air intake hose from the throttle body.

Tightening torque:

 $2.9 \sim 4.9$ N.m ($0.3 \sim 0.5$ kgf.m, $2.2 \sim 3.6$ lb-ft)

4. Remove the chamber air cleaner (D) and air cleaner assembly (E).

Tightening torque

Air cleaner assembly bolts:

 $7.8 \sim 9.8$ N.m ($0.8 \sim 1.0$ kgf.m, $5.8 \sim 7.2$ lb-ft)

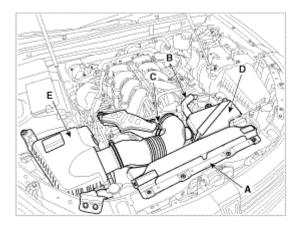


Fig. 6: Identifying Air Duct, Breather Hose, Clamp, Chamber Air Cleaner And Air Cleaner