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

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# CYLINDER HEAD

#### **COMPONENTS AND COMPONENTS LOCATION**

#### Components

[RH]

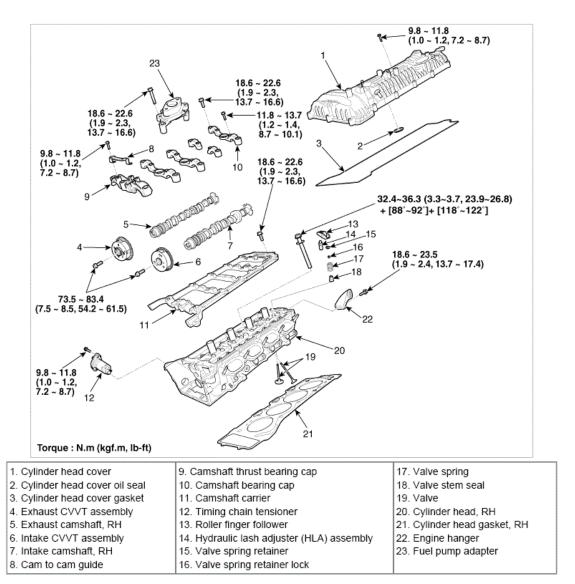
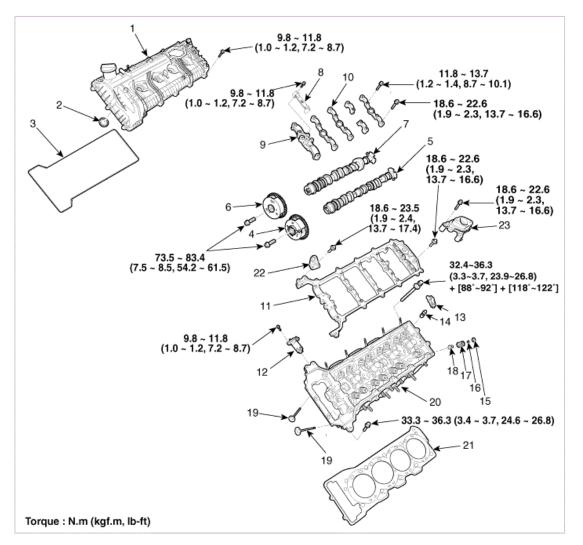


Fig. 1: Identifying Cylinder Head Assembly Components With Torque Specifications (RH) Courtesy of HYUNDAI MOTOR AMERICA

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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.

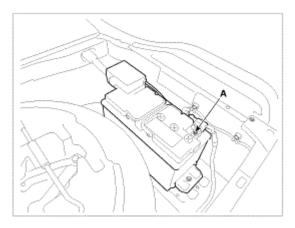
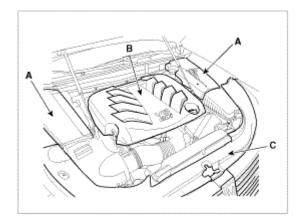


Fig. 3: Identifying Battery Negative Terminal Courtesy of HYUNDAI MOTOR AMERICA

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

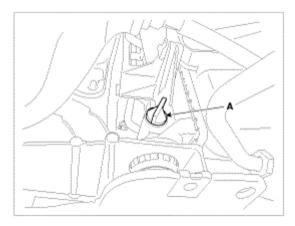


**Fig. 4: Identifying Engine Room Covers, Engine Cover And Radiator Grill Upper Cover Courtesy of HYUNDAI MOTOR AMERICA** 

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)

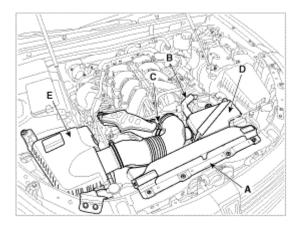


Fig. 6: Identifying Air Duct, Breather Hose, Clamp, Chamber Air Cleaner And Air Cleaner