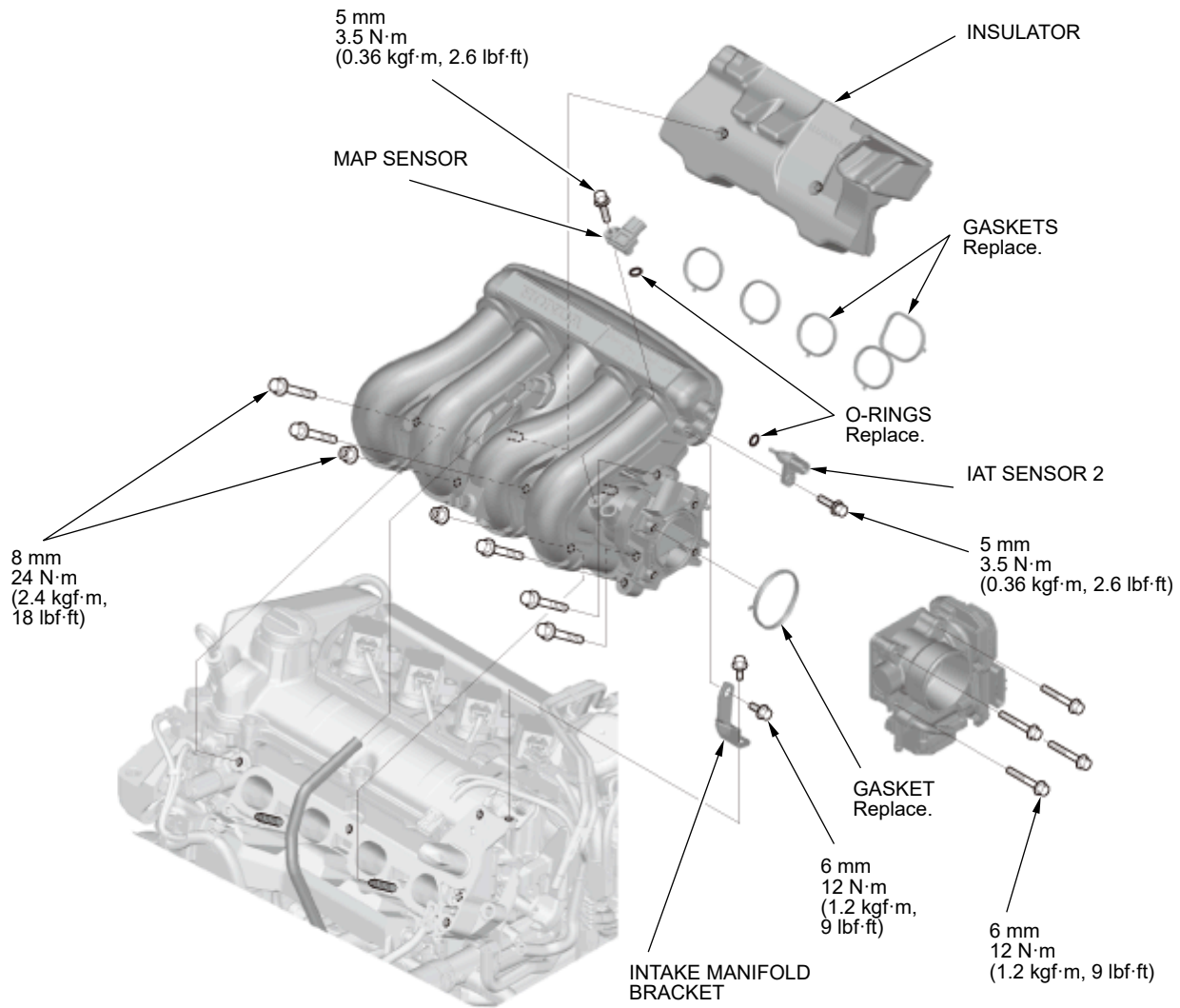


Intake Manifold Removal and Installation

Exploded View

1. Intake Manifold - Exploded View

Exploded View



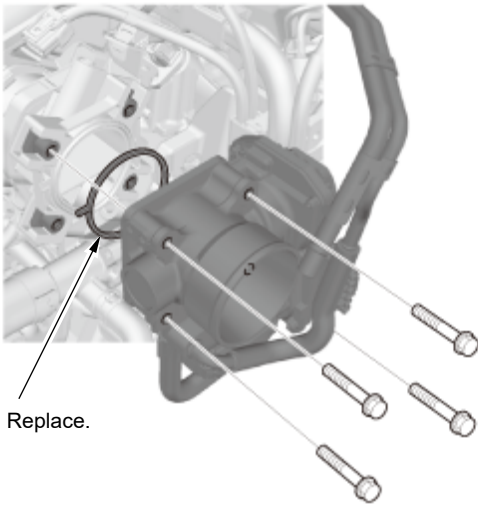
Removal

NOTE: Refer to the Exploded View if needed during this procedure.

1. Air Cleaner - Remove

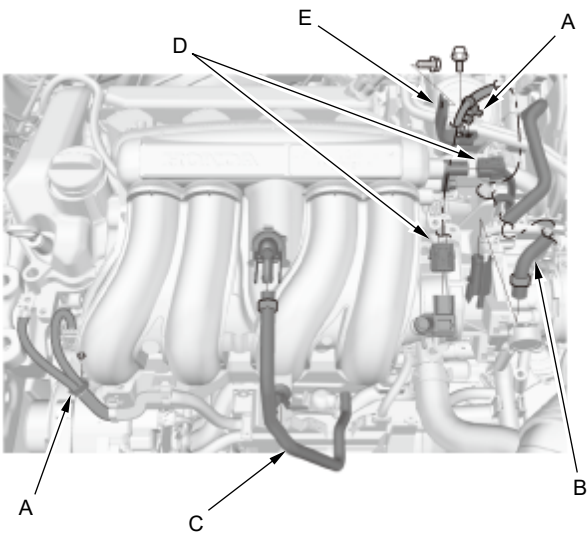
2. Throttle Body - Remove

NOTE: Do not disconnect the water bypass hoses.

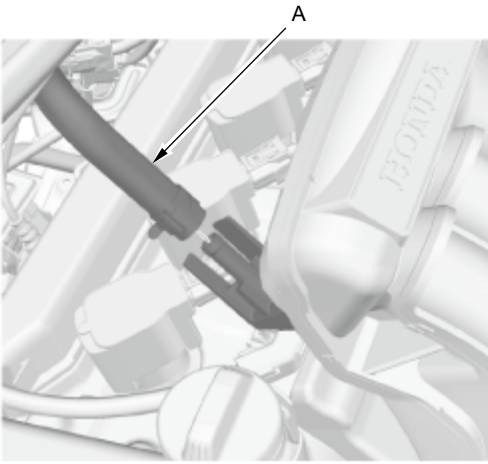


3. Intake Manifold External Item - Remove

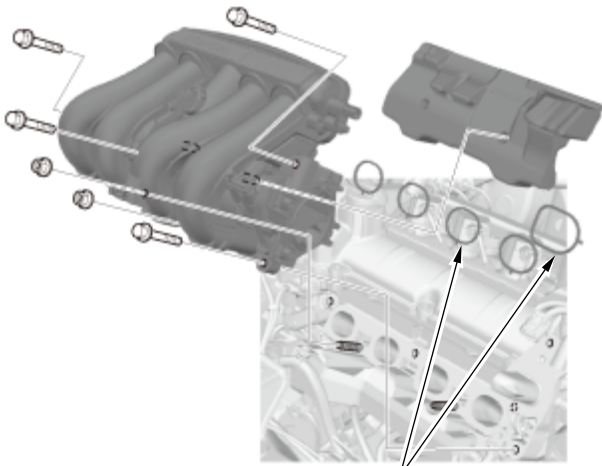
1. Remove the harness clamps (A).
2. Disconnect the EVAP canister purge valve hose (B) and the PCV hose (C).
3. Disconnect the connectors (D).
4. Remove the intake manifold bracket (E).



5. Disconnect the brake booster vacuum hose (A).



4. Intake Manifold - Remove

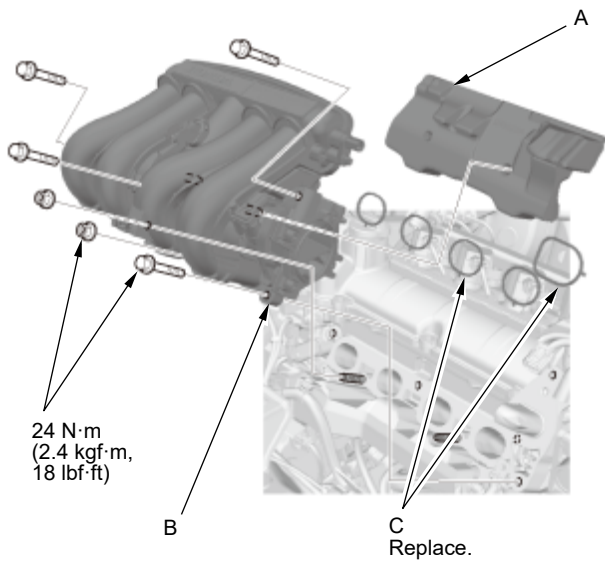


Replace.

Installation

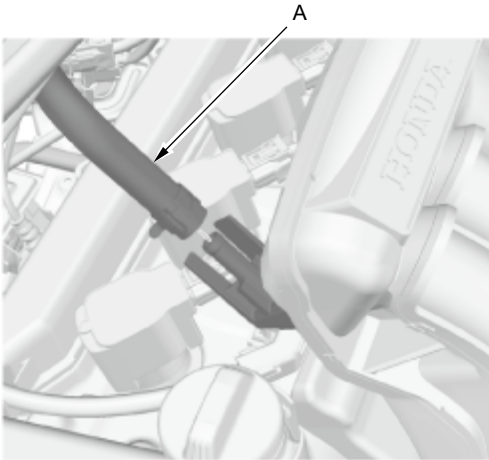
NOTE: Refer to the Exploded View if needed during this procedure.

1. Intake Manifold - Install

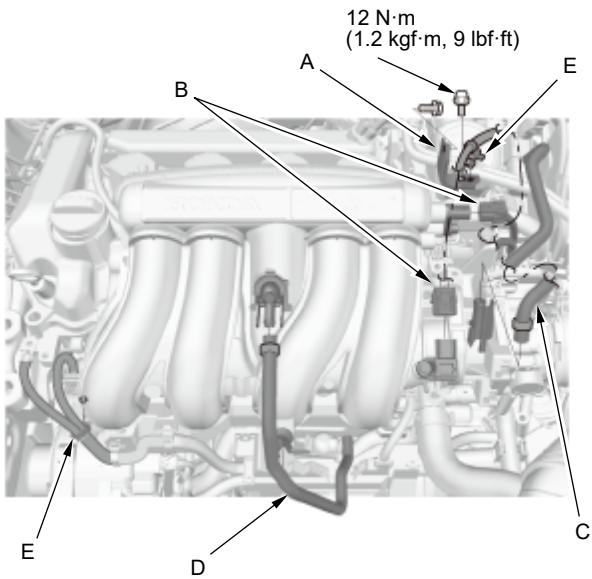


1. Install the insulator (A).
2. Loosely install the intake manifold (B) with new gaskets (C).
3. Tighten the bolts/nuts in a cross pattern in three steps; tighten the bolts/nuts until the bolts/nuts sit on the intake manifold, tighten the bolts/nuts until the gasket is compressed and both parts are contacted, tighten the bolts to specified torque.

2. Intake Manifold External Item - Install

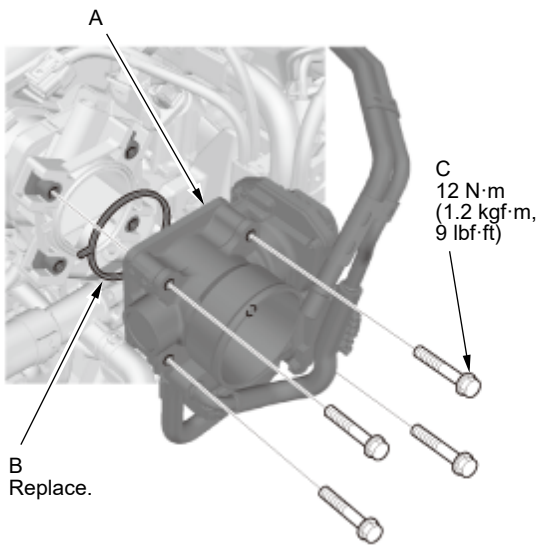


1. Connect the brake booster vacuum hose (A).



2. Install the intake manifold bracket (A).
3. Connect the connectors (B).
4. Connect the EVAP canister purge valve hose (C) and the PCV hose (D).
5. Install the harness clamps (E).

3. Throttle Body - Install



1. Install the throttle body (A) with a new gasket (B).
2. Tighten the bolts (C) in a cross pattern in three steps; tighten the bolts until the bolts sit on the throttle body, tighten the bolts until the gasket is compressed and both parts are contacted, tighten the bolts to specified torque.

4. Air Cleaner - Install