

ENGINE

Intake And Exhaust System - Removal, Replacement And Installation

AIR CLEANER AND THROTTLE HOUSING

AIR CLEANER HOUSING (TURBO)

REMOVAL AND INSTALLATION

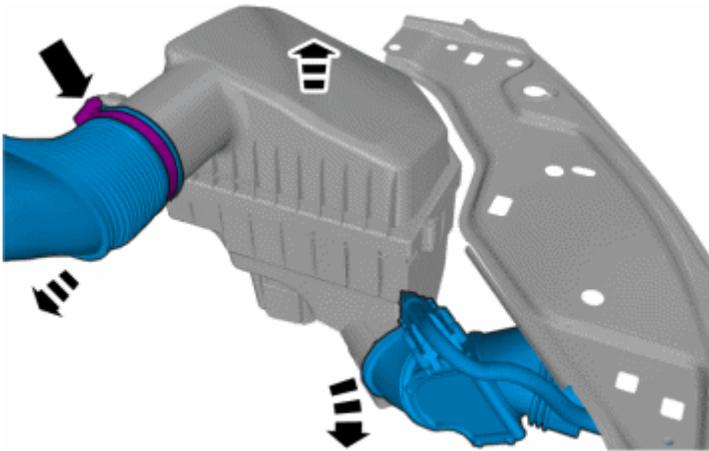


Fig. 1: Removing Air Box Components
Courtesy of VOLVO CARS CORPORATION

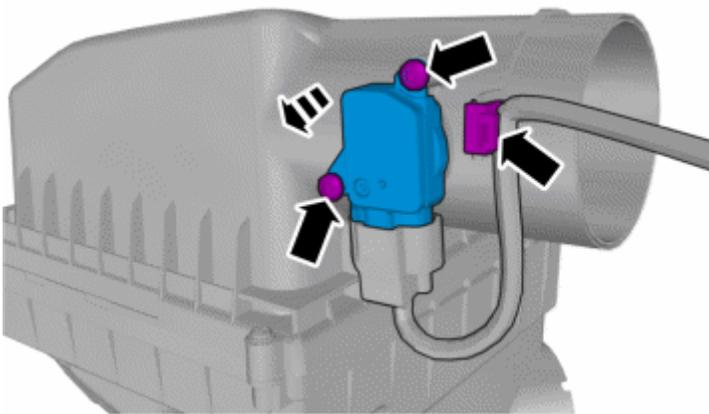


Fig. 2: Removing Sensor Cable From Air Box
Courtesy of VOLVO CARS CORPORATION

AIR CLEANER HOUSING (NON-TURBO)

AIR CLEANER HOUSING

REMOVAL

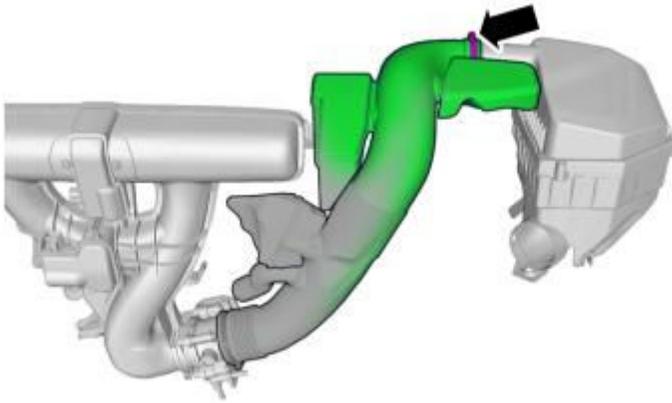


Fig. 3: Identifying Air Duct Clamp
Courtesy of VOLVO CARS CORPORATION

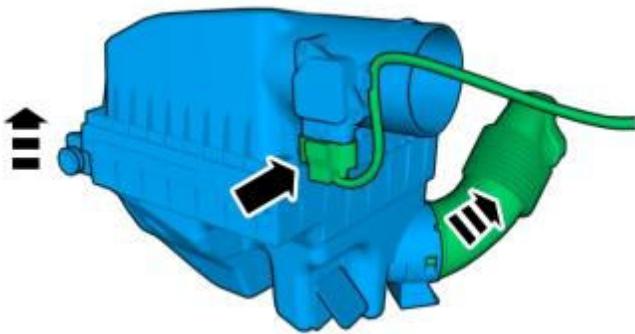


Fig. 4: Disassembling Air Box
Courtesy of VOLVO CARS CORPORATION

INSTALLATION

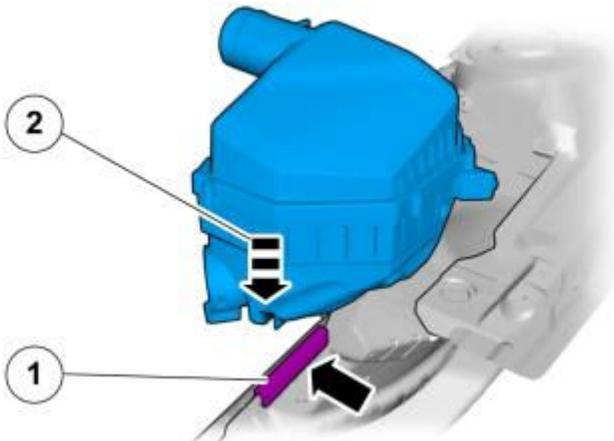


Fig. 5: Installing The Air Box

Courtesy of VOLVO CARS CORPORATION

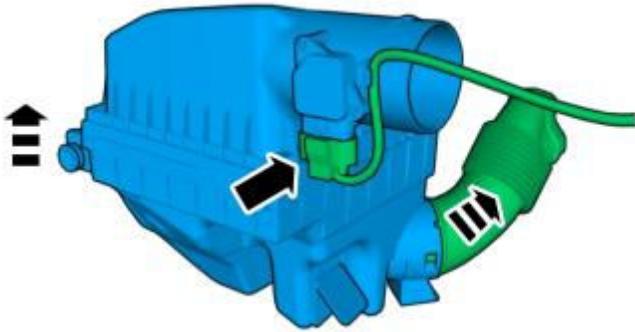


Fig. 6: Disassembling Air Box

Courtesy of VOLVO CARS CORPORATION

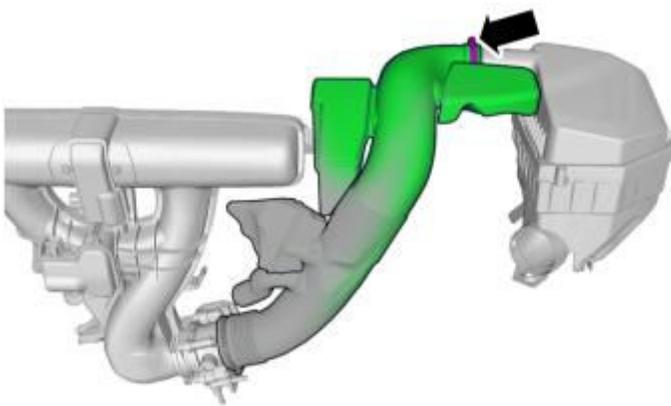


Fig. 7: Identifying Air Duct Clamp

Courtesy of VOLVO CARS CORPORATION

THROTTLE BODY (TURBO)

REMOVAL AND INSTALLATION

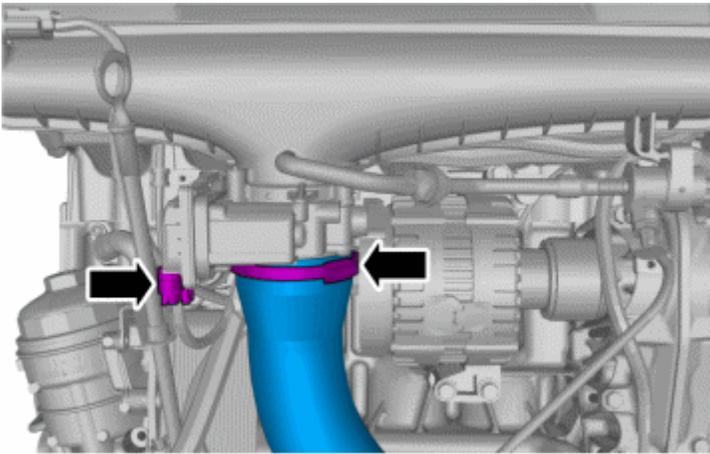


Fig. 8: Identifying Connection Clamp
Courtesy of VOLVO CARS CORPORATION

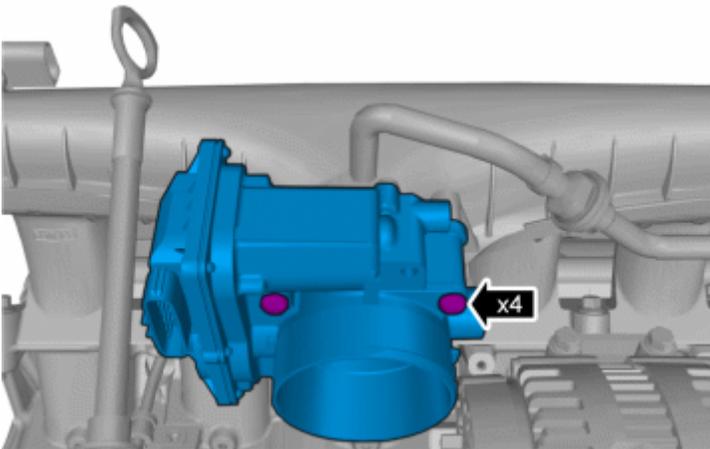


Fig. 9: Identifying Throttle Housing Assembly Bolts
Courtesy of VOLVO CARS CORPORATION

THROTTLE BODY (NON-TURBO)

REMOVAL AND INSTALLATION

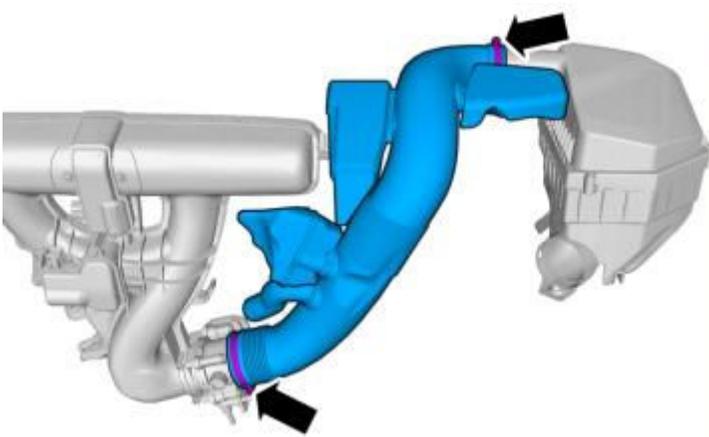


Fig. 10: Air Duct Connections
Courtesy of VOLVO CARS CORPORATION

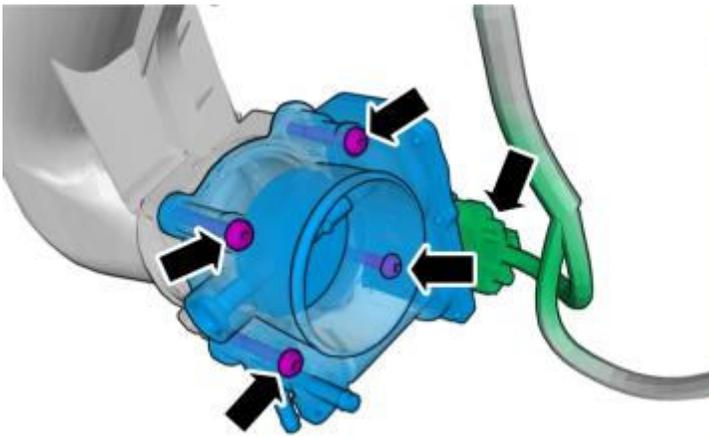


Fig. 11: Locating Throttle Body Screws
Courtesy of VOLVO CARS CORPORATION

CATALYTIC CONVERTER AND EMISSION CONTROL

CATALYTIC CONVERTER (TURBO)

REMOVAL

NOTE: Removal steps in this procedure may contain installation details.

Remove the following items:

- Oxygen sensor (Catalyst monitor sensor) see **OXYGEN SENSOR (CATALYST MONITOR SENSOR)**
- bevel gear, see **BEVEL GEAR** .

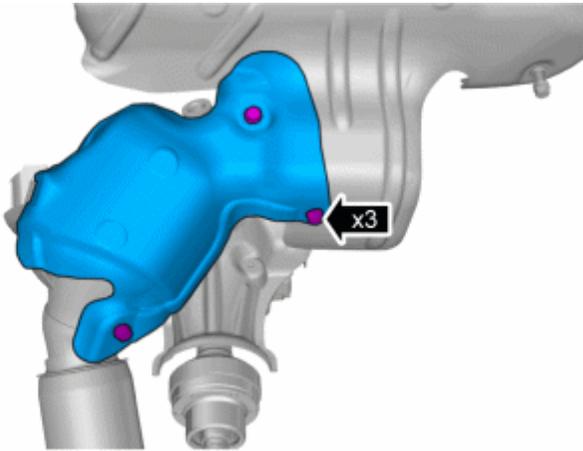


Fig. 12: Identifying Heat Shield Retainers
Courtesy of VOLVO CARS CORPORATION

Torque: M8

24 Nm

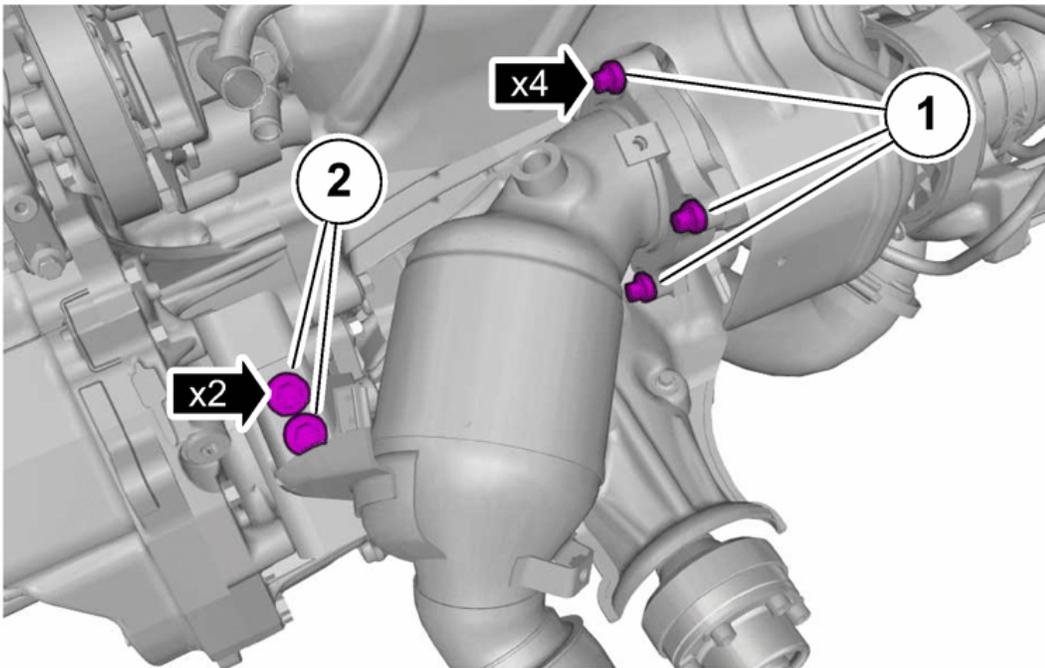


Fig. 13: Catalytic Converter To Turbocharger Assembly Bolts
Courtesy of VOLVO CARS CORPORATION

Install the following items:

1. **Torque:** Catalytic converter to turbocharger

24 Nm

2. **Torque:** M8

24 Nm

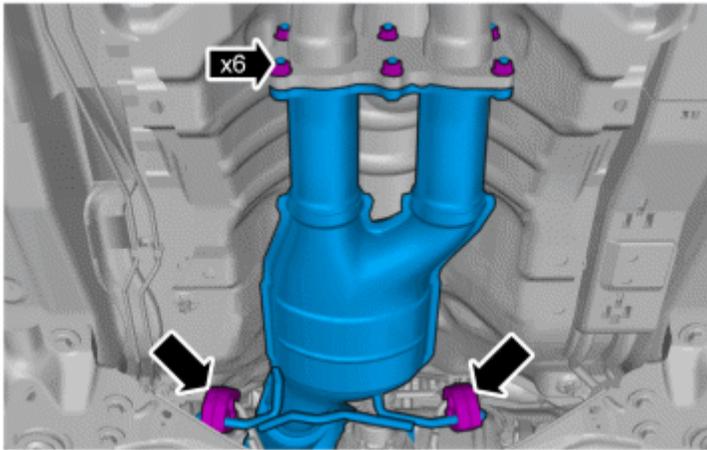


Fig. 14: Identifying Exhaust Rubber Support Hangers
Courtesy of VOLVO CARS CORPORATION

Torque: M8

24 Nm

INSTALLATION

Perform flange joint, assembly, see **FLANGED JOINT, ASSEMBLING**

To install, reverse the removal procedure.

CATALYTIC CONVERTER (NON-TURBO; 2008-2010)

REMOVAL

NOTE: Removal steps in this procedure may contain installation details.

Follow instructions for lifting points body frame, see **JACKING POINTS BODY**

Remove oxygen sensor (lambda probe) see **OXYGEN SENSOR (CATALYST MONITOR SENSOR)**

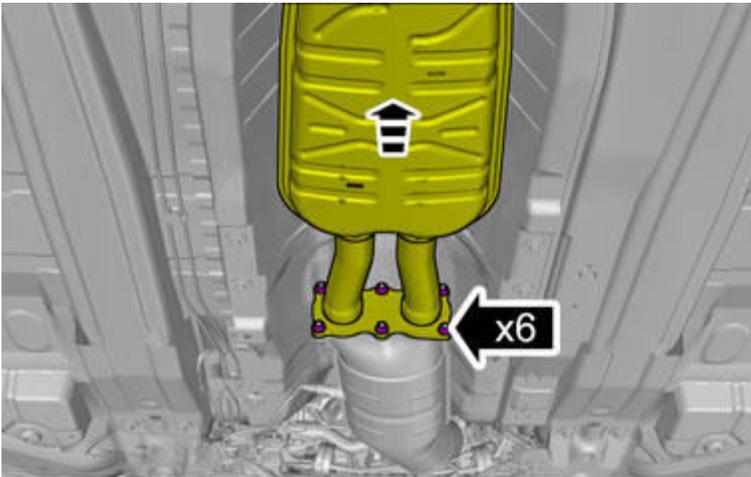


Fig. 15: Identifying Exhaust Assembly Bolts
Courtesy of VOLVO CARS CORPORATION

Torque: M8

24 Nm

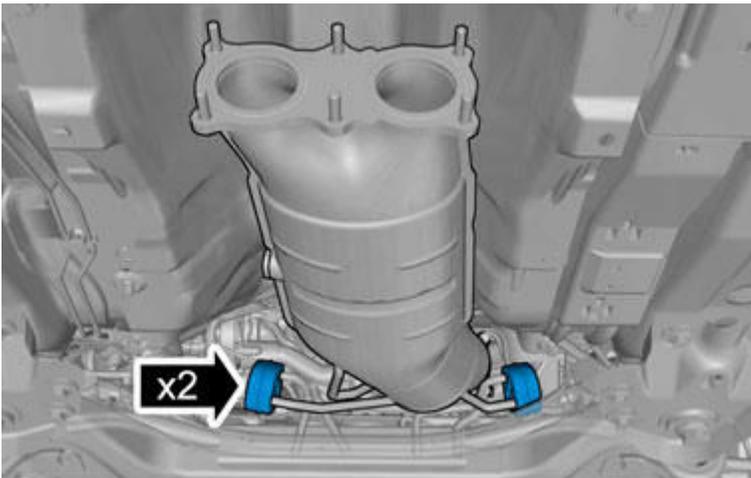


Fig. 16: Identifying Exhaust Support Hangers
Courtesy of VOLVO CARS CORPORATION