

## **ENGINE**

### **Cooling System - Removal, Replacement And Installation**

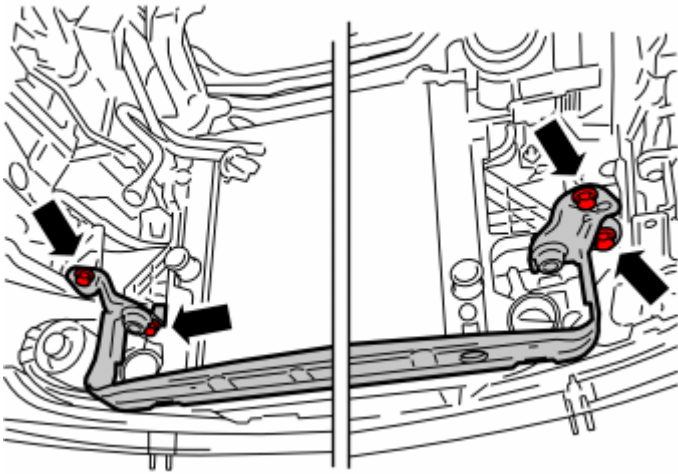
## **RADIATOR AND CONNECTIONS**

### **RADIATOR (B5244S4; 2007-10)**

#### **REMOVAL**

#### **REMOVING THE ENGINE COOLING FAN (FC)**

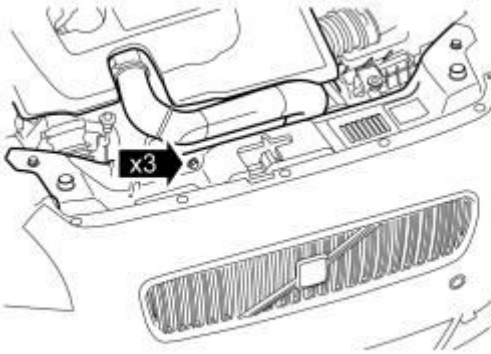
Remove the cooling fan. See **ENGINE COOLING FAN (FC)**



**Fig. 1: Re-installing Radiator Bracket with Fan Removed**  
**Courtesy of VOLVO CARS CORPORATION**

**Install the following items:**

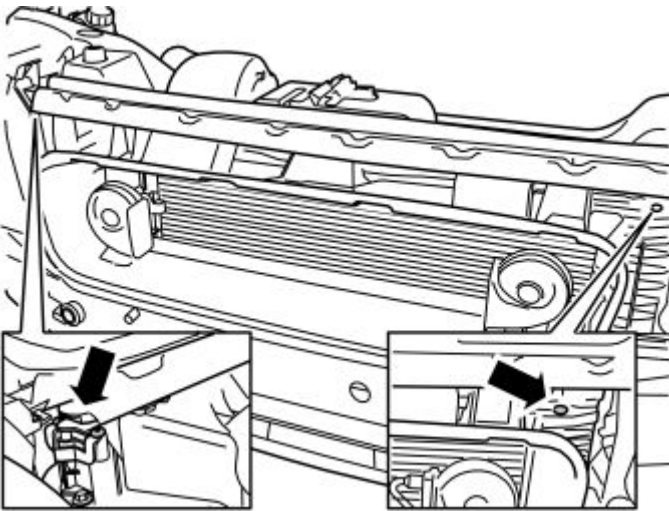
- bracket
- screws, lightly, 4 pcs.



**Fig. 2: Identifying Panel And Screws**  
Courtesy of VOLVO CARS CORPORATION

**Remove the following items:**

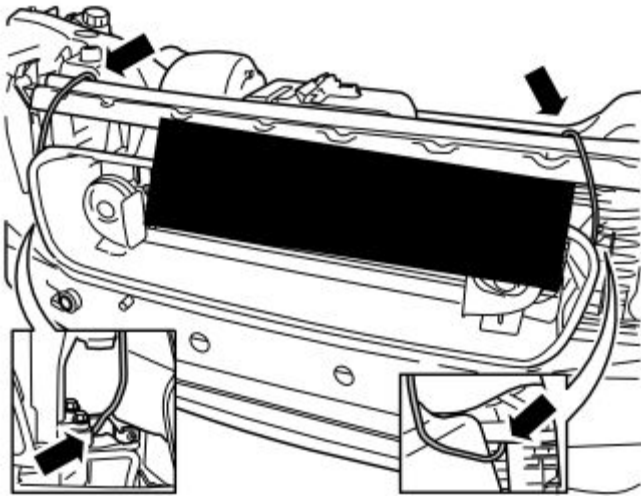
- screw
- engine compartment panel.



**Fig. 3: Locating Mounting Screws**  
Courtesy of VOLVO CARS CORPORATION

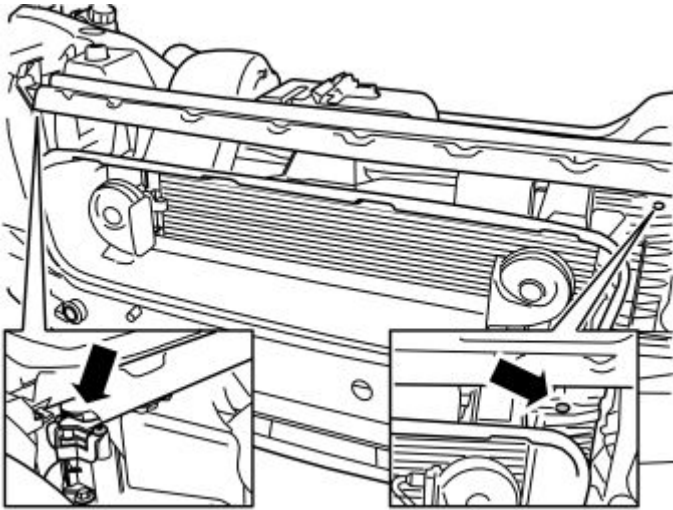
**Remove the following items:**

- screw
- radiator mounting.



**Fig. 4: Supporting Condenser Assembly**  
Courtesy of VOLVO CARS CORPORATION

Slightly raise the condenser and suspend from a suitable place, so that the condenser is not put under any strain.



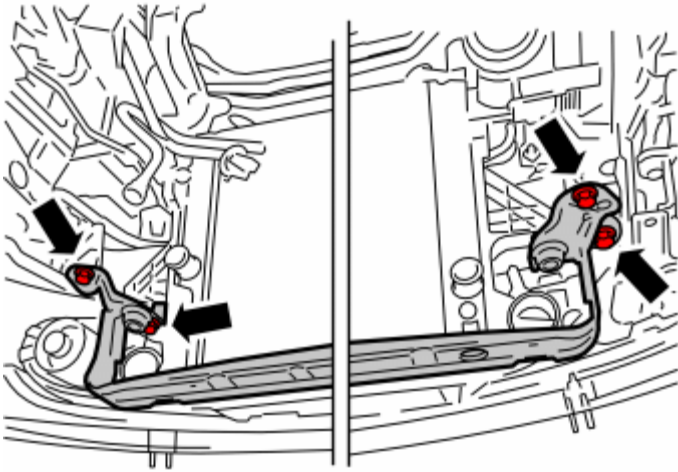
**Fig. 5: Locating Mounting Screws**  
Courtesy of VOLVO CARS CORPORATION

- the screws for the upper radiator mounting, 2 pcs on both sides
- bracket under air conditioning aggregate
- radiator downwards.

#### INSTALLATION

**NOTE:**        **Tighten. See TIGHTENING TORQUE**

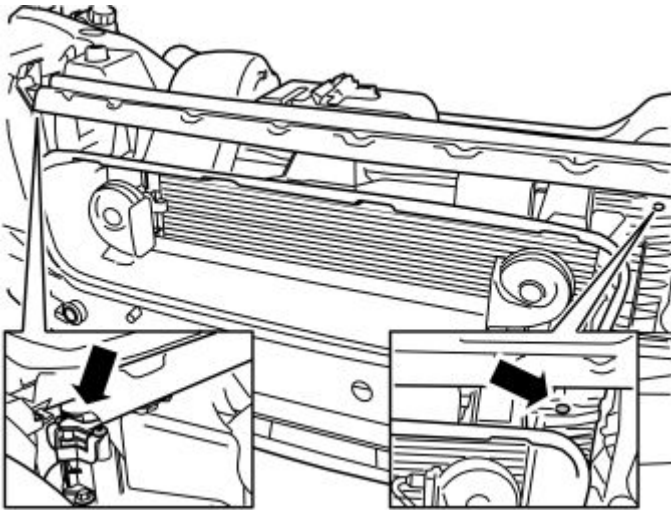
#### INSTALLING THE ENGINE COOLING FAN (FC)



**Fig. 6: Re-installing Radiator Bracket with Fan Removed**  
**Courtesy of VOLVO CARS CORPORATION**

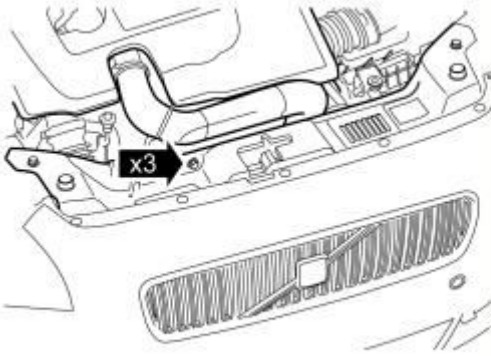
**Install the following items:**

- the radiator
- Bracket
- screws, 4 pcs, lightly.



**Fig. 7: Locating Mounting Screws**  
**Courtesy of VOLVO CARS CORPORATION**

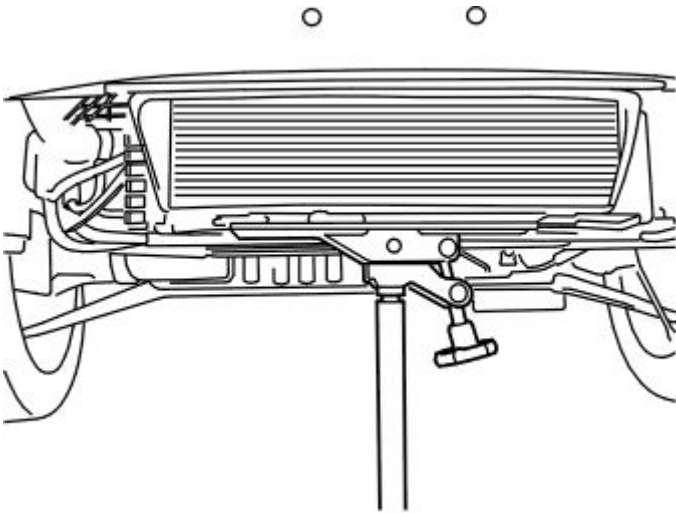
Install the screws for the upper radiator mounting, 2 pcs on both sides.



**Fig. 8: Identifying Panel And Screws**  
Courtesy of VOLVO CARS CORPORATION

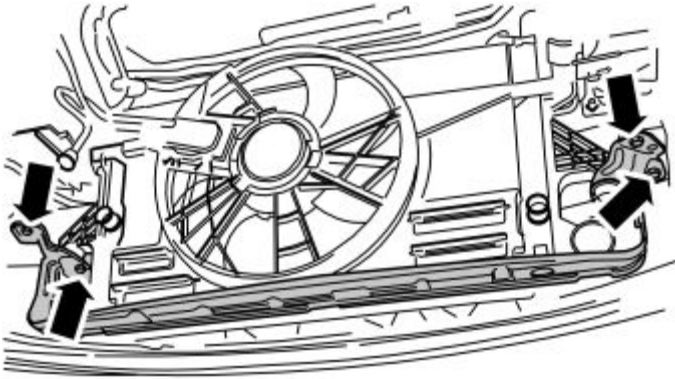
**Install the following items:**

- engine compartment panel.
- screws, M6.



**Fig. 9: Identifying Mobile Jack**  
Courtesy of VOLVO CARS CORPORATION

Install a mobile jack under the radiator.



**Fig. 10: Identifying Radiator Bracket**  
Courtesy of VOLVO CARS CORPORATION

Remove the bracket.

Install the engine cooling fan. See **ENGINE COOLING FAN (FC)**

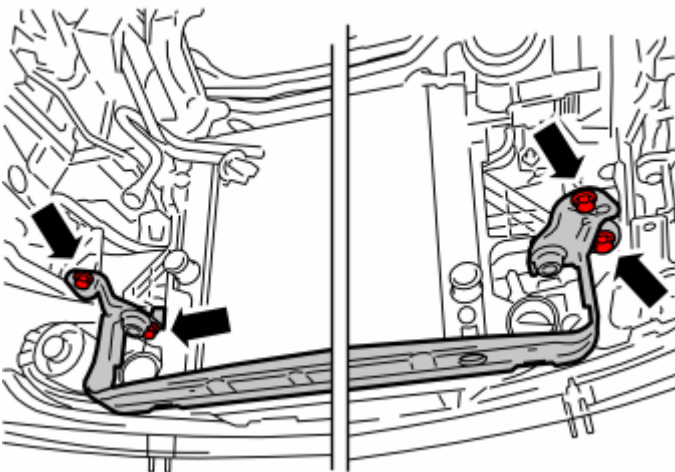
**RADIATOR (B5254T3; 2007-08, B5254T7; 2008-12)**

#### **REMOVAL**

##### **REMOVING THE ENGINE COOLING FAN (FC)**

Remove the electric cooling fan. See **ENGINE COOLING FAN (FC) (B5254T7; 2011 LATE -12)** or **ENGINE COOLING FAN (FC) (B5244S4; 2007-09, B5254T3; 2007, B5254T7; 2008-11)**

##### **INSTALLING THE BRACKET FOR THE RADIATOR**



**Fig. 11: Re-installing Radiator Bracket with Fan Removed**