



[Intake pipe/gasket, replacement](#)

[Replacing the exhaust manifold and gasket](#)

[Throttle body \(electronic throttle module \(ETM\)\), replacing](#)

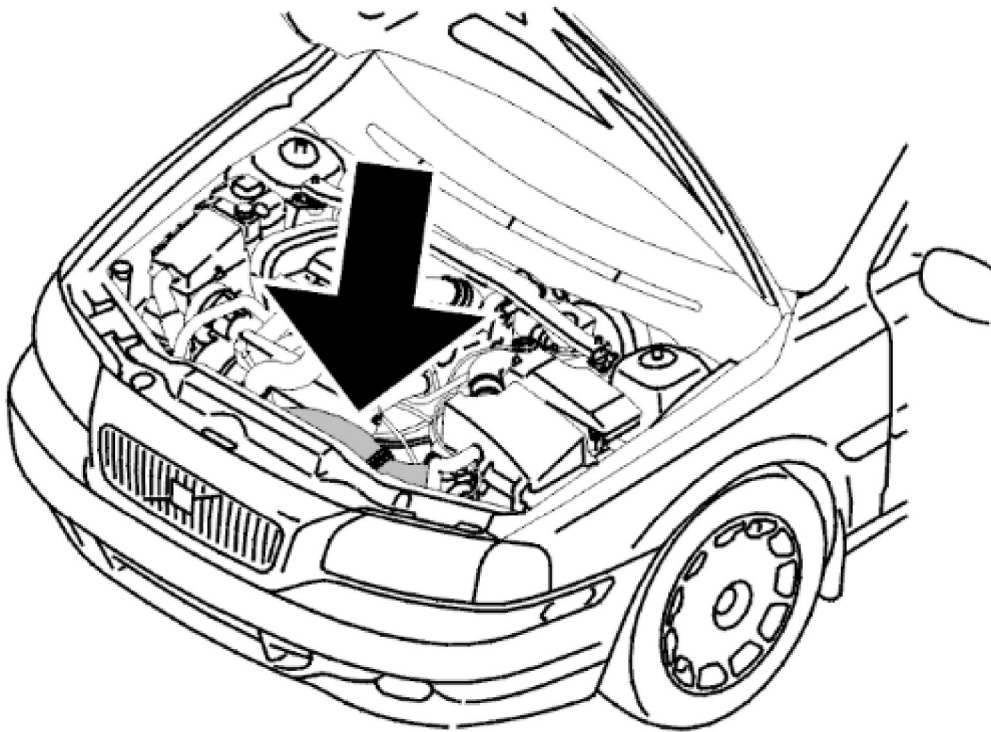
## Throttle body (electronic throttle module (ETM)), replacing

### Note!

The illustrations in this service information are used for different model years and/or models. Some variation may occur. However, the essential information in the illustrations is always correct.

### Removal

### Preparation



### Remove:

- the air intake between the front cover plate and the air cleaner (ACL) housing
- the charge air pipe between the charge air cooler (CAC) and the electronic throttle module (ETM).

### Installation

### Note!

For tightening torques, see: [Tightening torque](#) .



## Removing the electronic throttle module (ETM)



Disconnect the connector for the electronic throttle module.

Remove the 4 x screws for the electronic throttle module (ETM). Lift out the electronic throttle module (ETM). Discard the gasket.

---

## Replacing the electronic throttle module (ETM)



### **Caution!**

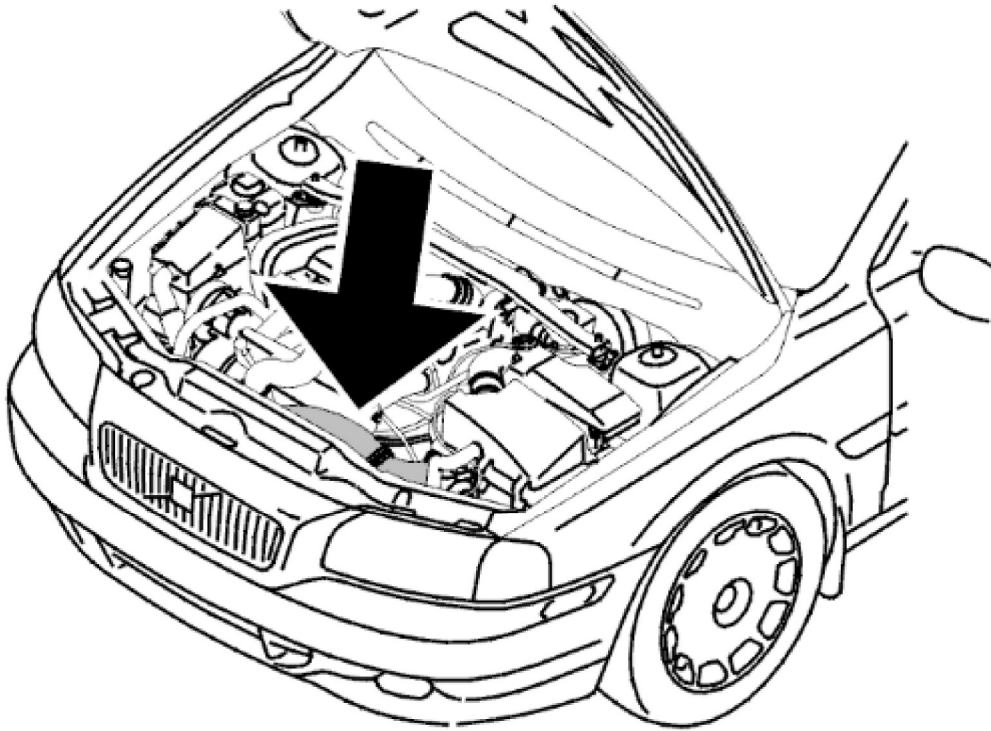
**Ensure that the surfaces between the throttle body (TB) and the intake manifold are clean.**

Install a new electronic throttle module (ETM). Use a new gasket. Tighten the 4 screws.

---



## Installing components



Install the charge air pipe between the electronic throttle module (ETM) and the charge air cooler (CAC).

### **Note!**

**Heat the pipe at the connections to facilitate installation.**

Install the intake pipe between the front cover plate and the air cleaner (ACL) housing.

---

## Finishing

After replacing the electronic throttle module (ETM), the electronic throttle module (ETM) must be adapted using the vehicle communication input: "Adaptation of the electronic throttle unit"

Start the engine and check the function.

---