

43: Transmission, automatic, B5254T2, AW55-50/51SN

S60 (-09), 2007, B5254T2, AW55-50/51SN, L.H.D

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43: Transmission, automatic, B5254T2, AW55-50/51SN

Transmission fluid, replacing

**Warning! Avoid skin
contact with the
transmission fluid.**

**Note! Use only
transmission oil, Volvo P/N
116 1540-8 (1 liter
container), 116 1640-6
(4 liter container).**

Conditions

**The oil should be replaced
only in the two following
instances:**

Where diagnostic trouble codes (DTCs) TCM 0042 and TCM 0046 are stored, in which case the diagnostic function activates the warning lamp in the following circumstances.

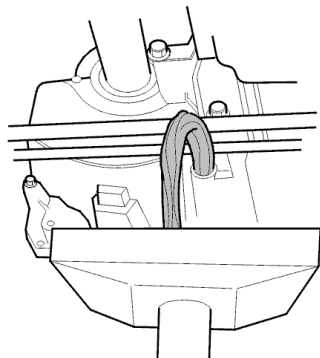
The transmission control module (TCM) receives data about the operating temperature of the transmission fluid while the car is being driven. TCM 0042 is stored after an accumulated amount of time.

Diagnostic trouble code (DTC) TCM 0046 is stored if the transmission fluid temperature exceeds 150° C for more than two minutes.

In cars used in continuous taxi service or used for towing a trailer or caravan for most of its mileage, the oil must be replaced at a service interval of 75, 000 km ± 5000 km. This is to conform to the regular service program.

Warning! The oil may be very hot if the car has just been driven. Avoid skin contact.

Draining



Remove:

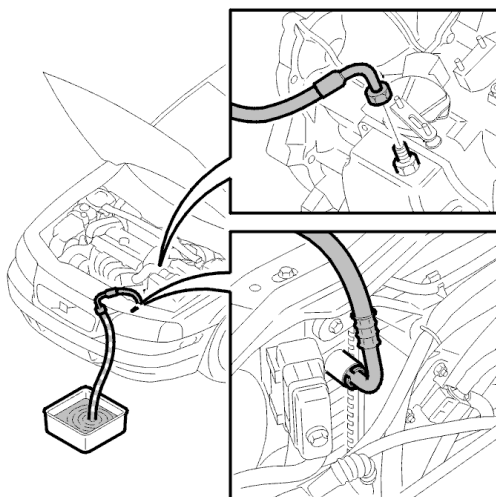
- the splash guard under the engine
- the oil plug. Drain the transmission oil.

Installing the oil plug

Use a new gasket.
Tighten the plug. Tighten to **40 Nm**.

Install the protective cover.

Draining oil



Remove the return hose on the control system cover.
Install a plastic plug in the connection on the cover.
Detach the return hose in the cooler.
Align the hose upwards and reconnect it to the cooler.
Install a transparent plastic hose on the oil return hose connection.
Place a container beneath the hose to catch the oil.

Refilling

Apply the parking brake. Move the gear selector lever to position P.
Fill with approximately 2 liters of oil.
Start the engine. Allow the engine to idle.
Turn the engine off when air bubbles start to become

visible in the hose.
Fill with approximately 2 liters of oil.
Start the engine again and let it idle.
Turn the engine off when air bubbles start to become visible in the hose.
Remove the hose from the oil cooler hose. Detach it from the connection to the cooler.
Install the hose in the normal position on the cooler and the transmission.

Further filling

Fill with approximately 2 liters of oil.
Apply the parking brake.
Start the engine. Allow the engine to idle. Move the gear selector through all the gear positions. Wait 4-5 seconds in each gear.

Checking the oil level

See Oil level, checking .

The capacity of the transmission is 7.1 ± 0.25 liters. (MAX, MIN).

Note! After replacing the transmission oil, the "Transmission oil change" counter must be reset. See Resetting Transmission fluid change counter .

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