

Volkswagen DSG Transmission

Fluid Service

[ES11968](#)



Volkswagen DSG Transmission Fluid Service

NOTE: Use a fender cover to reduce the risk of scratching or denting your vehicles body during the entirety of the oil service.



Step 1

Begin by disconnecting the mass airflow sensor.



Step 2

Disconnect the secondary air line from the front of the airbox.



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Step 3

Remove the air box and all piping using a 5mm hex. An extension may be required.



Step 4

Remove the clamp connecting the intake elbow.



Step 5

Disconnect the airbox from the front intake assembly.



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Step 6

Removing the airbox from the engine bay will require some finesse.



Step 7

Rotate the airbox counter-clockwise while pulling it up and out of the way.



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Step 8

Using a 24mm socket on an extension, remove the transmission filter cap.



Step 9

Rotate the cap upwards out towards the passenger side of the car.



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Step 10

Pull out the filter element.

Place a rag on the opening to prevent debris from falling in and to collect excess oil.



Step 11

Remove the filter cap o-ring and replace it using the provided new o-ring.

Lightly oil the new o-ring.



Step 12

Install the new filter element, then install the oil filter cap and torque it to 20Nm.

Thread it on by hand to avoid damaging the plastic threads.

Re-install the airbox and hoses, then plug in the mass-airflow sensor.



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Safely raise and support the vehicle so you can access the drain plug.



Step 13

Place a catch pan directly underneath, then using a 14mm hex socket, remove the drain plug.



Step 14

A large amount of oil will drain from the transmission. Allow the oil to fully drain into the oil catch pan.



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Step 15

Notice the black 8mm overflow snorkel. This part acts as an overfill drain.

Remove the snorkel by unthreading it, allowing all of the oil to completely drain.



Step 16

Re-install the snorkel after all of the old oil has completely drained and torque it to 3Nm.



Step 17

Thread the silver DSG filling adapter into the drain hole.



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Prepare your air compressor using the follow specifications and cautions:

The filler tool utilizes a maximum PSI of 20; 10 PSI is highly recommended as a limit to avoid over pressurization of the transmission fluid bottle.

An over-pressurized transmission fluid bottle can reach a limit where explosion is imminent. For this reason, it is strongly recommended to take extra safety precautions such as wearing protective eyewear and gloves when using this procedure.



Step 18

Install the pressure tool onto the oil container.

Set the air compressor regulator to 5-10psi.

Hook the brass connector onto the adapter that is screwed into the bottom of the transmission.



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Step 19

Hook up air pressure to the unit.

Make sure the valve on the tool is in the off position before connecting the air.



Step 20

Flip over the oil container and slowly open the valve.



Step 21

When the bottle is empty, close the filler tool valve, replace with a full bottle and continue filling with 5.5-6 litres.



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Ensuring appropriate oil level

Leave hose connected to the transmission

Warm up the car; 10-15 minutes of idling the engine from cold will be sufficient.

Keeping your foot on the brake, cycle through each gear selection for 3-5 seconds. This draws the fluid into the transmission at each gear.

The transmission temperature should read between 35-46 degrees Celsius (95-113 Fahrenheit).

Ross-Tech VAG-COM software can be used to determine this specification; when not available, using an appropriate thermometer will be adequate.

NOTE: At this point, leave the car running

Remove the the filler hose and let the excess oil drain out of transmission. Remove the filling adapter and install the drain plug with the provided new seal.

Turn off the engine

Torque the drain plug to 33 ft lb/45Nm.

Your Direct-Shift Gearbox fluid is ready for another ~40,000 miles!

