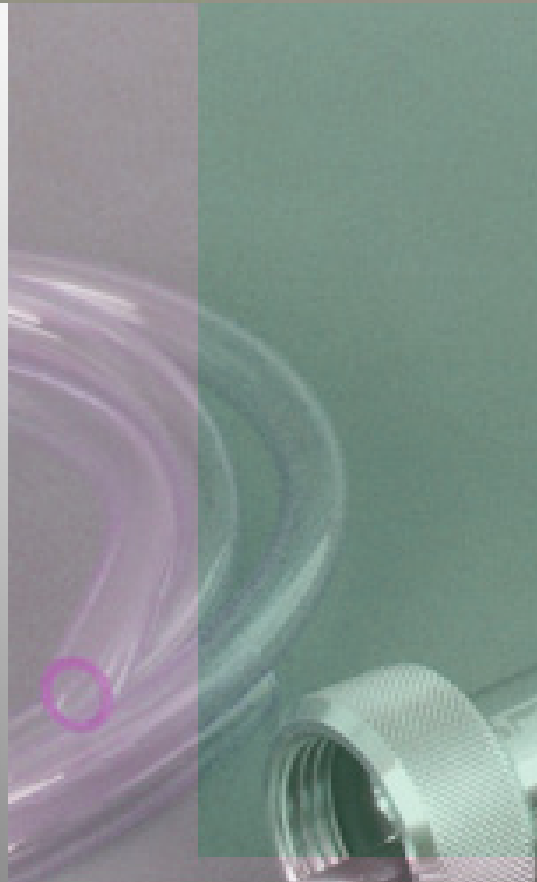
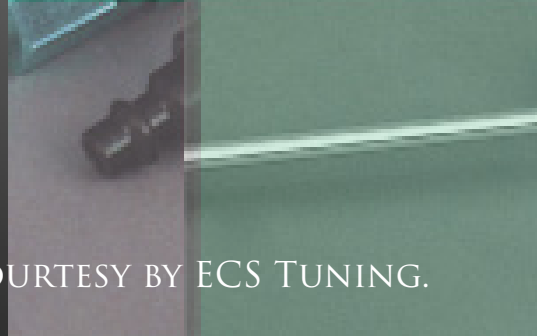


ECS TUNING®



DSG/6-SPEED AUTOMATIC TRANSMISSION FLUID SERVICE [ES11968](#)



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Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

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REPLACING THE OIL FILTER

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

Step 1

Begin by disconnecting the mass airflow sensor.



Step 2

Disconnect vacuum hose from front of the airbox



Step 2b

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



Step 3

Remove the clamp connecting the intake elbow.



Step 4

Disconnect the airbox from the front intake assembly and leave until next step.



Step 5

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



Step 6

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



Step 7

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



Step 8

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



Step 9

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

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



Step 10

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

Lightly oil the new o-ring and install the new oil filter install the oil filter cap and torque to 20Nm

Thread by hand to avoid damaging the plastic threads



Re-install airbox and hoses and reconnect the mass-airflow sensor.

Step 11

Install the oil filter cap and torque to 20Nm.

Thread by hand to avoid damaging the plastic threads.

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



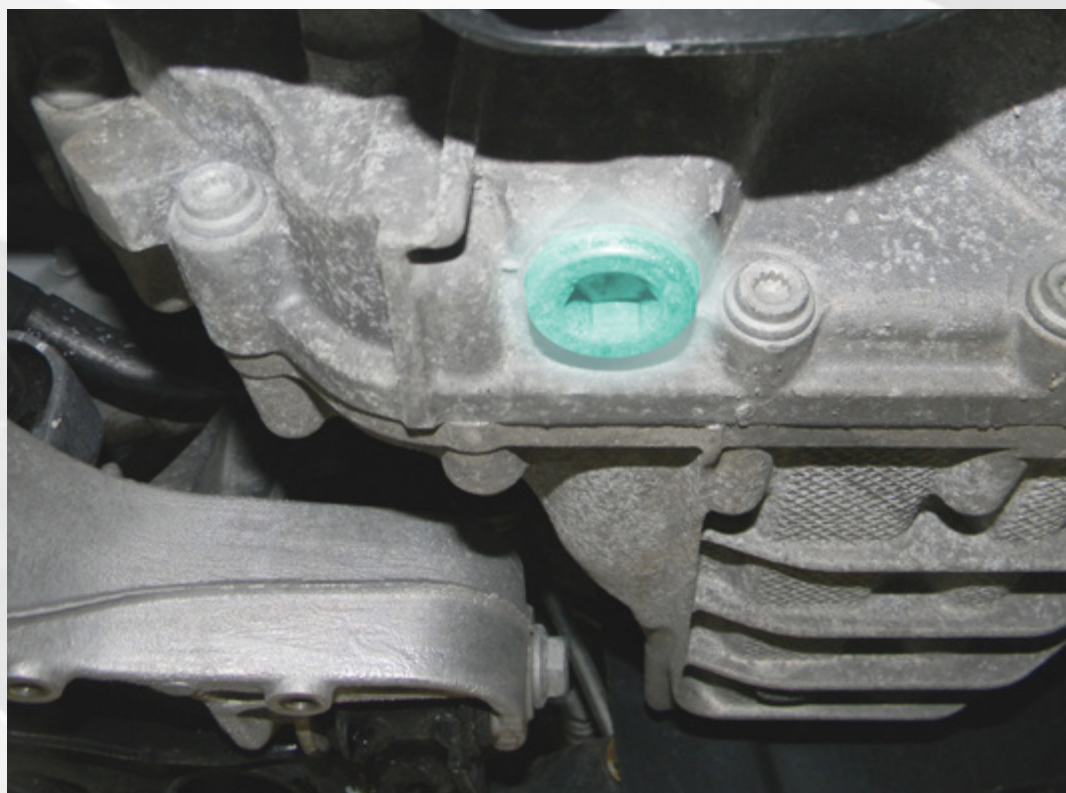
CHANGING THE DSG OIL

NOTE: Be sure to find safe access to the underside of the vehicle

Step 12

Locate the drain plug

Place a catch pan directly underneath the drain plug

**Step 13**

Using a 14mm hex socket, remove drain plug a large amount of oil will drain from the transmission. Allow the oil to fully drain into the oil catch pan.



Step 14

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

Remove the snorkel, allowing the complete measure of oil to drain.



Step 15

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



Step 16

Thread the silver DSG filling adapter into the drain hole.



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 17

Install the pressure tool onto the oil container.

Set the air compressor's regulator to 5-10psi

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



NOTE: Make sure valve is in the OFF position before proceeding.

Step 18

Hook up air pressure to the unit



Step 19

Flip over the oil container and slowly open the valve



Step 20

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



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

Tighten the drain plug to 33 ft lb/45Nm of torque.

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



