C6 RS6 Replace Air Filters

This procedures is taken from Elsawin, the Audi technicians “Haynes Manual” and as such, they reference a lot of “Audi Special Tools”, most of which can be made or bought simply.

Any reference to a “Vehicle Diagnostic Tester” means VCDS software.
Removing and installing air filter element

Removing
Proceed as follows:
Air cleaner housing on left side:
- Remove bolt -1- and unplug electrical connector at charge air pressure sender 2 -G447-.
- Release hose clips -arrows- and remove air pipe (left-side).

- Press release tabs and disconnect air hose -1-.
- Detach hoses -2- and -3- from top section of air cleaner housing.
- Unscrew top section of air cleaner housing -arrow- and remove air filter element.

Air cleaner housing on right side:
- Press release tabs and detach crankcase breather hose -2-.

Note
Disregard item -1-. 
– Unscrew bolt -2- and unplug electrical connector -1- for charge air pressure sender -G31-.
– Release hose clips -arrows- and remove air pipe (right-side).

– Detach breather hose -1- from top section of air cleaner housing.
– Unscrew top section of air cleaner housing -arrow- and remove air filter element.

Installing

1. Tightening torque → Chapter

Note

- Always use genuine part for air filter element.
- Hose connections and hoses in intake system must be free of oil and grease before assembly. Do not use any lubricants containing silicone when assembling.
- The air cleaner housing MUST be clean.
- Secure all hose connections with the correct type of hose clips (same as original equipment) → Electronic parts catalogue.
- To ensure that the air hoses can be properly secured at their connections, spray rust remover onto the worm thread of used hose clips before installing.
- To ensure that the crash sensors have sufficient clearance, it is important to observe the correct installation position for the hose clips at the air pipes → Chapter.
To prevent malfunctions, cover all critical parts of the engine air intake tract (intake pipes, etc.) with a clean cloth when blowing out the air cleaner housing with compressed air.

Observe environmental requirements for disposal.

- Blow out water drain (small hole in bottom section of air cleaner housing) with compressed air.
- Clean salt residue, dirt and leaves out of air cleaner housing (top and bottom sections) using a vacuum cleaner.
- Check for salt residue, dirt and leaves in air intake hose (engine intake side).
- Check for dirt and leaves in air duct going from lock carrier to air cleaner housing.

When installing the air filter element, check that it is properly centred in the retainer in the bottom section of the air cleaner housing.

Fit the top section of the air cleaner housing carefully on the bottom section, without using force. Make sure that the top section of the air cleaner housing is fitted straight on the air filter element (note the position of the sealing lip on the air filter element).

The remaining installation steps are carried out in the reverse sequence.