MILLTEK

Active Valve Control Installation Guide

Audi S6/S7/RS6/RS7 C7 (4G)

NOTE – This installation guide is designed for qualified vehicle technicians only, Milltek Sport Limited cannot be held responsible for any damage resulting from the improper installation of the Active Valve Control (AVC) module.

It is recommended the installation is completed with the vehicle's battery disconnected.

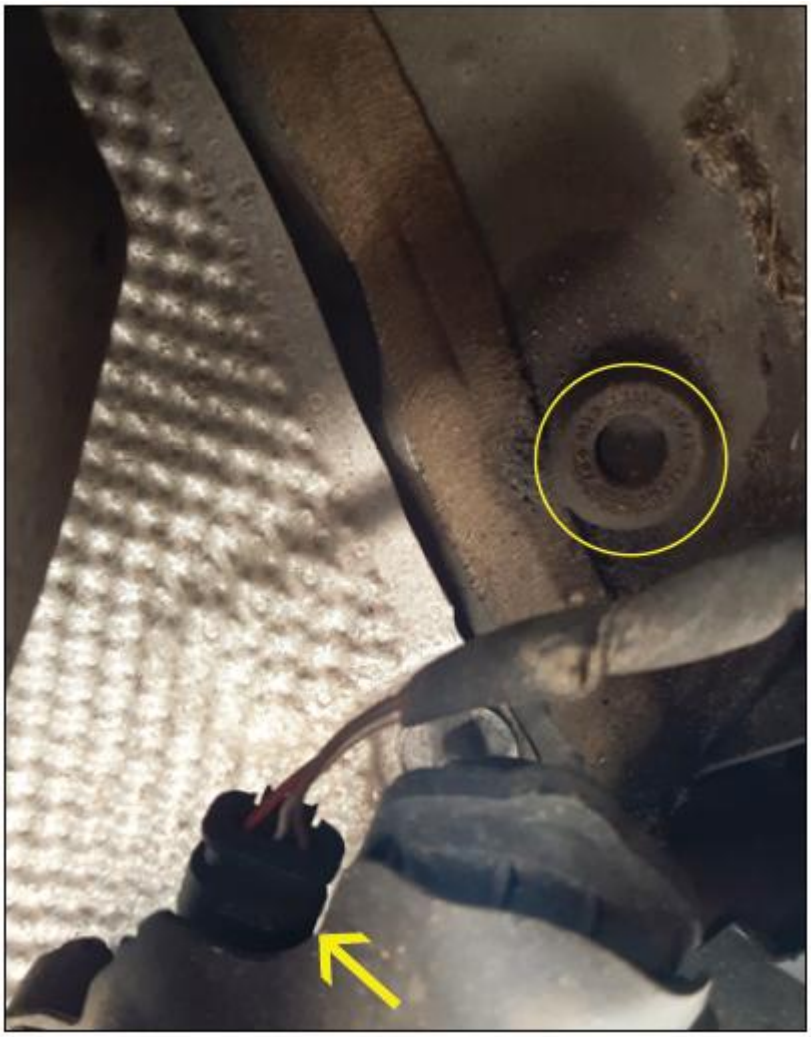
1. From the rear of the vehicle remove the boot carpet/cover and the right hand side compartment, to locate the fuse box and enable access to the main loom going to the existing valves.



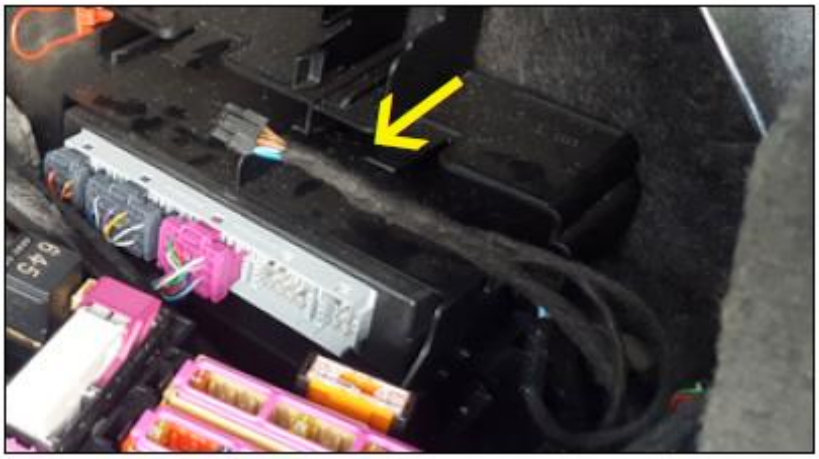




2. Now on the right hand side locate the un-used grommet



3. Remove this grommet and feed the main section of the new AVC loom back up to the fuse box



4. Now run the extension loom for the connection to the left hand side valve around the back of the truck area and locate the spare grommet on the left hand side of the trunk





5. Now from the underside of the car disconnect the existing / original connectors going to the Valves and plug these into the new AVC Loom socket, the new plugs on the AVC loom now connect to the Valve Motors.



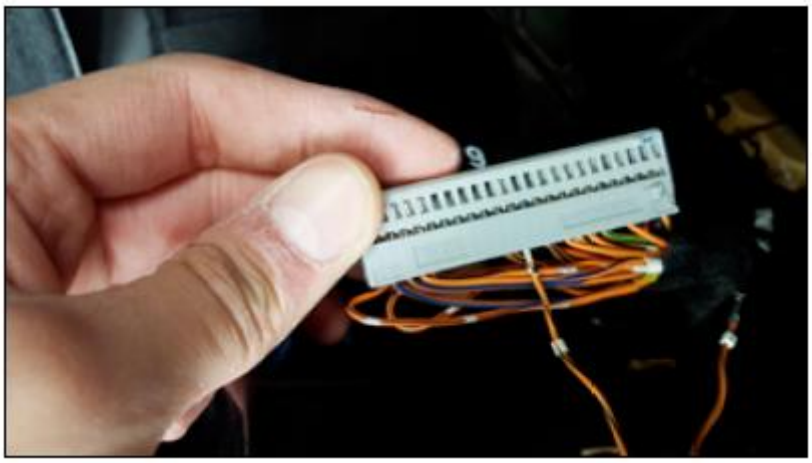
6. Now locate the connector in the fuse box shown below



7. Locate the following wires in the connector: -

   Orange with Black (CAN HIGH)

   Orange with Brown (CAN LOW)



The new wires need inserting as per the below:
Insert Orange black wire from AVC module into 12H
Insert Orange Brown wire from AVC module into 12L

8. Finally secure the AVC and connect the loom to the module and re-install the trim back into the vehicle

Operating the AVC Module: -

The AVC module will be automatically activated after installation, for the chosen model the following modes are set as default: -

Drive Select Mode	Valve Behaviour
Comfort/Eco	Closed up to 5,000RPM
Auto	Closed up to 3,000RPM
Dynamic	Open All the time

Other Behaviours: -

Cold Start = Closed (OE Default = Open)
4 Cylinder Mode = Closed (OE Default = Depends on the Drive Select mode)

To override the mode of the valves and open them at any time this can be achieved by pressing the “ESP” button on the dashboard twice within 2 seconds of the first press, to return to the automatic mode simply press the “ESP” button again twice.

The AVC is not user programmable and is designed and programmed for the specific vehicle only it’s provided for. Special configuration can be arranged with prior agreement with Milltek Sport’s technical team.