



INSTALLATION GUIDE

PERFORMANCE DIVERTER VALVES

PORSCHE MACAN S / GTS / TURBO (95B.1)

FITMENT

- 2015 - 2018 Porsche Macan S (3.0L) 340HP
- 2017 - 2019 Porsche Macan GTS (3.0L) 360HP
- 2015 - 2019 Porsche Macan Turbo (3.6L) 400HP

TECHNICAL HELP

If you need technical assistance or help with the installation procedure, please email info@flat6motorsports.com for immediate help.

IN THE BOX

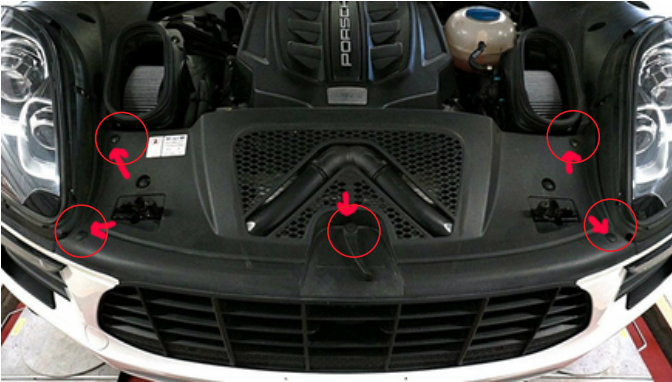
- 2X Upgraded Diverter Valves
- 4X Worm Clamps
- 2X 90-Degree Elbows (*Use is Optional*)



TOOLS NEEDED

- T-25 & T-27 Torx Bit / Driver
- Small Flat Head Screwdriver
- Socket Wrench for Torx Sockets
- Pliers to remove the spring clamps
- Plastic clip removal tool (*optional*)

- 1) Open the hood of the vehicle and take a look at what all will need to be removed. Start by removing the 4 clips that are at each corner of the plastic shield (red arrows in the picture.) To remove these clips simply insert a flat head screwdriver into the side of the clip and pry up the middle section.



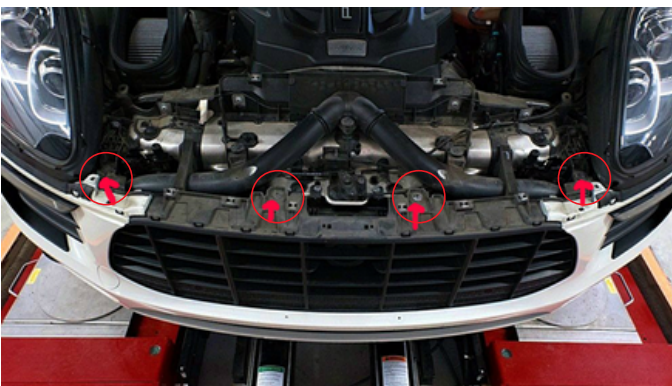
- 2) Remove the hood latch handle. To do this you need to remove a slide clip that is holding the handle in place then wiggle the handle back and forth as you pull up. Not much force needs to be applied but it might be a little tight. Remove plastic panel and set aside.



REFERENCE PICTURE



- 3) Remove the screws holding the top of the bumper. There are 2x T25 torx screws and 2x T27 torx screws. The T25 screws are the ones on the outside and the T27 screws are the 2 on the inside. The T27 screws are reverse thread and will not fully remove from the bumper. Notate how far the T27 screws are screwed in for reinstall.



- 4) On the side of the vehicle under the headlight there is a plastic panel. There are 2 clips holding this on. Remove the 2 clips the same way you did on the top panel. Once the clips are removed you can remove the plastic panel. The panel is snapped in on the underside so just pull up. Repeat on the other side.



- 5) With the plastic panel removed, you have access to 2x T25 screws. Remove these. Repeat on the other side.



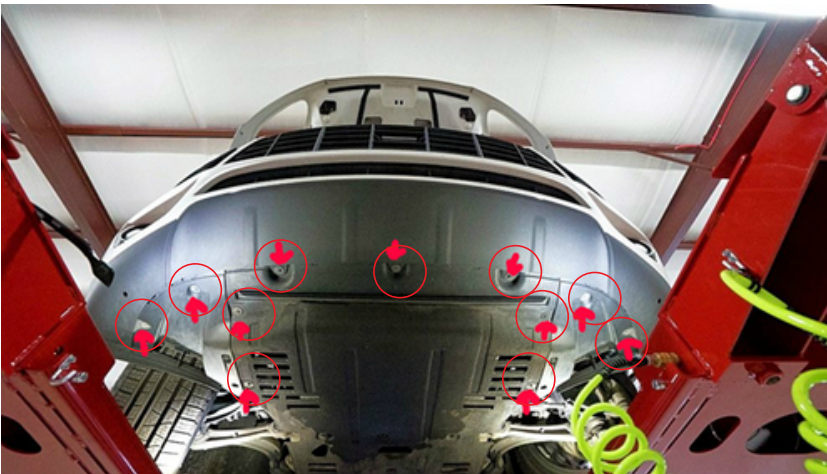
- 6) Start the vehicle and turn the wheel to the opposite side you are working on. This will provide you access to the 4x T25 screws that hold on the fender liner. Remove the 4 screws that hold in fender liner. Use your fingers or a small screwdriver to pry the fender liner out from the bumper. Repeat on the other side.



- 7) Once the fender liner is pulled back you will see a black bracket. There are 2x T25 screws that are tucked into 2 pockets. Remove the 2 screws. Repeat on the other side.



- 8) Remove the 13x T25 screws that are held on by T25 screws, 11 are visible and 2 are under the side underpanel.



- 9) On the passenger side of the vehicle (LHD) there are 2 connectors that are located in the fender well. These run to the lighting in the front bumper. Unplug both connectors. They can be really tight from all of the dust/rocks/dirt that gets stuck in the connector. Everything is now ready to remove the bumper. Slide the bumper forwards and it will come off. This is much easier with a helping hand. If you are working on a rough service, we recommend setting the bumper on a blanket or towel to avoid any scratches.
- 10) Now that the bumper is removed you have access to the diverter valves. They are located towards the bottom on the left and right hand side.



- 11) Remove the small hose on the front of the diverter valve (vacuum line). To remove the hoses from the diverter valve, you need to squeeze the clamp on each hose and slide it back. Using a pick or screwdriver to wedge between the hose and the valve makes the hose removal easier. Remove the diverter valve and spring clamps. The Flat 6 Motorsports Upgraded Diverter Valves come with worm clamps to replace with spring clamps. The driver's side (LHD) has an A/C line that makes it a bit difficult to get your full hand in that area. It can be helpful to remove the intercooler duct. You can slide it to the right to remove it from its track.



- 12)** Install the valves the same way you removed them. Reuse the factory vacuum line and all hosing. You may want to dab a tad bit of soapy water to allow for an easier entry of the diverter valve.



Note

The diverter valves unscrew from multiple points so make sure everything is screwed on tight, including necks/ends.

- 13)** Reverse the steps prior and install the front bumper back on the vehicle. Make sure to plug the lighting connectors back in and install all screws in their correct place. It is easier to line everything up with a second set of hands when reinstalling the bumper.

INSTALLATION OF THE UPGRADED DIVERTER VALVES ARE NOW COMPLETE! CLOSE YOUR HOOD AND TAKE YOUR MACAN FOR A SPIN. ENJOY THE CONSISTENT TURBO BOOST PRESSURE AND POWER OUTPUT!

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