



INSTALLATION GUIDE

PORSCHE CAYENNE TURBO (958) DIVERTER VALVES

FITMENT

- 2011 - 2014 Porsche Cayenne Turbo / Turbo S (4.8) 500HP / 550HP

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



TOOLS NEEDED

- T-25 torx bit / driver
- Socket wrench (if applicable)
- 10mm socket or wrench
- Flat-head screwdriver
- 19mm socket to remove wheels
- Floor jack or lift



INSTALLATION STEPS

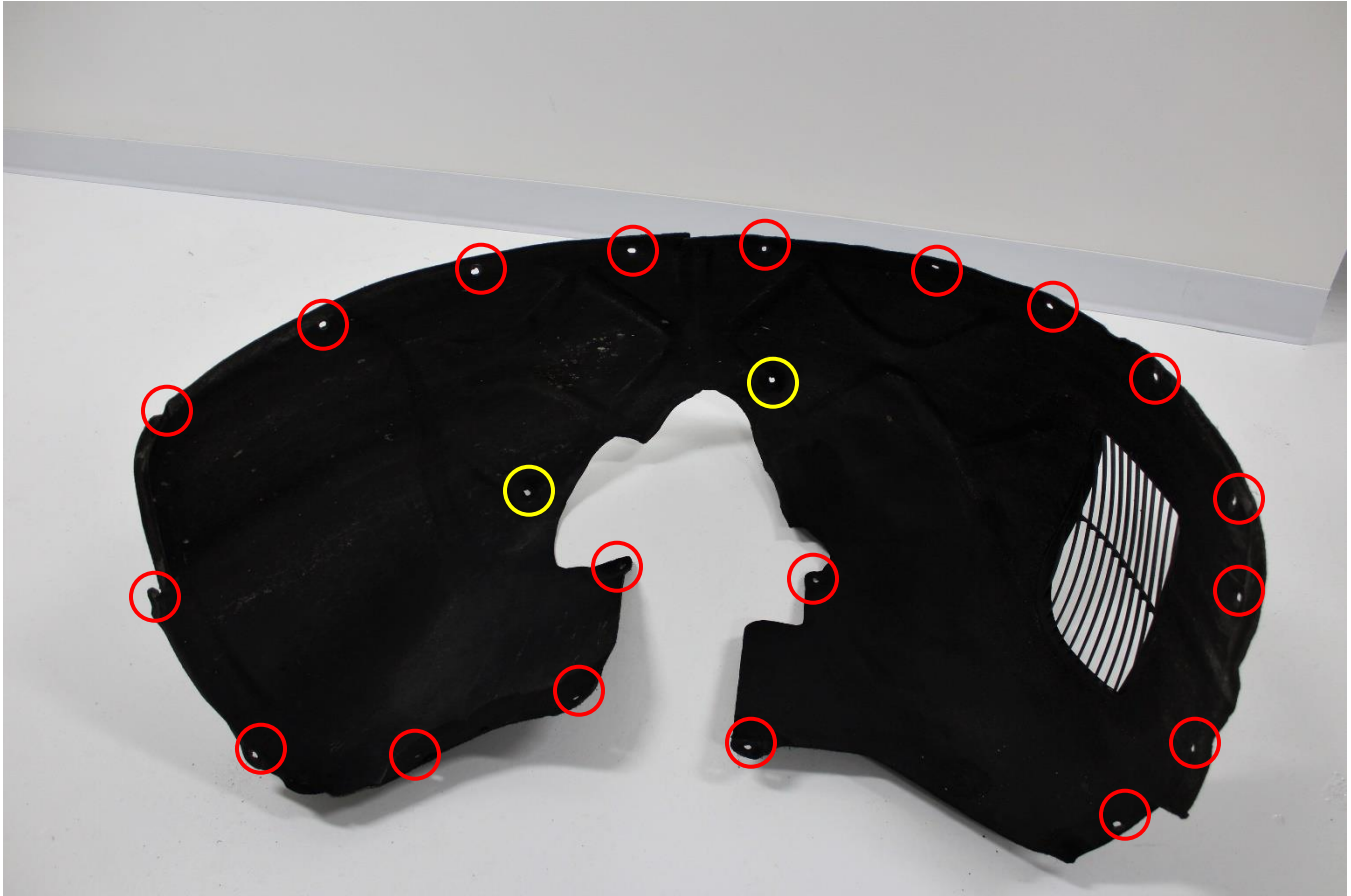
1) Loosen the wheel bolts with a 19mm socket, lift vehicle and remove wheels.



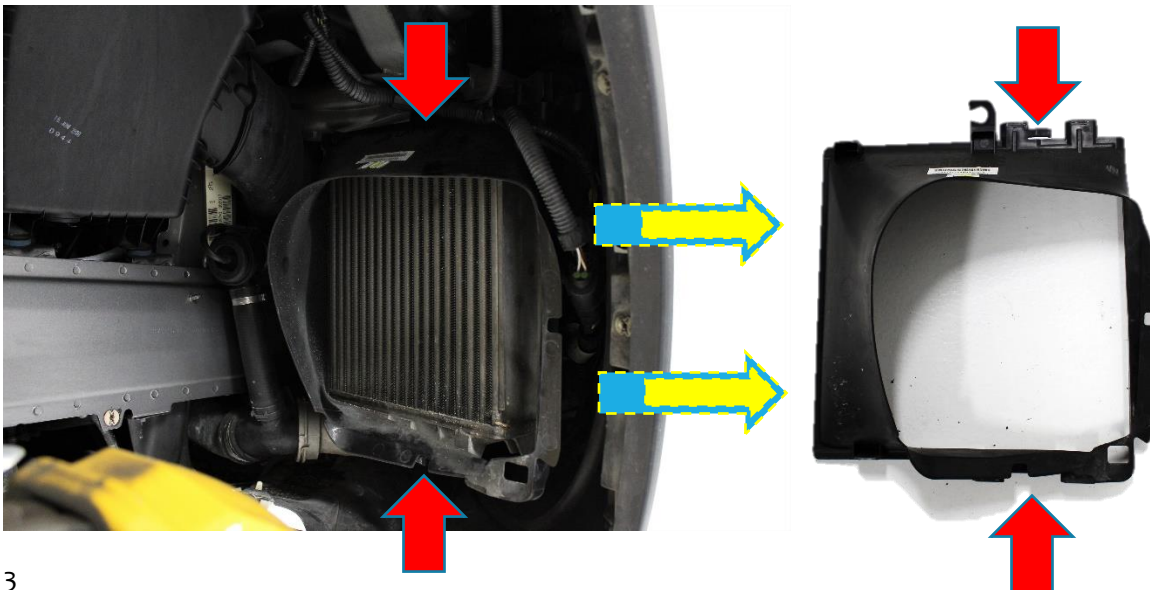
2) With the wheel removed, locate the many T-25 torx screws and 2X 10mm plastic retainers holding the fender liner/panel on. Remove all fasteners and remove liner/panel from vehicle.



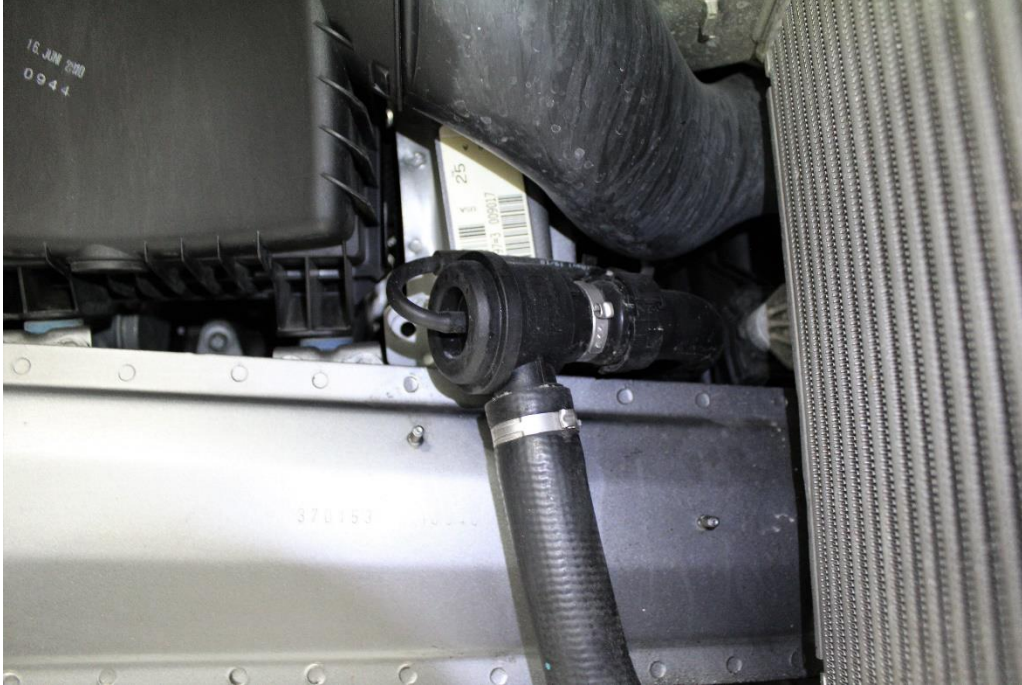
(Image of fender liner removed, note the holes where fasteners retain the liner/panel to the vehicle, the red circles are retained by T-25 torx screws and the yellow by 10mm plastic hex nuts)



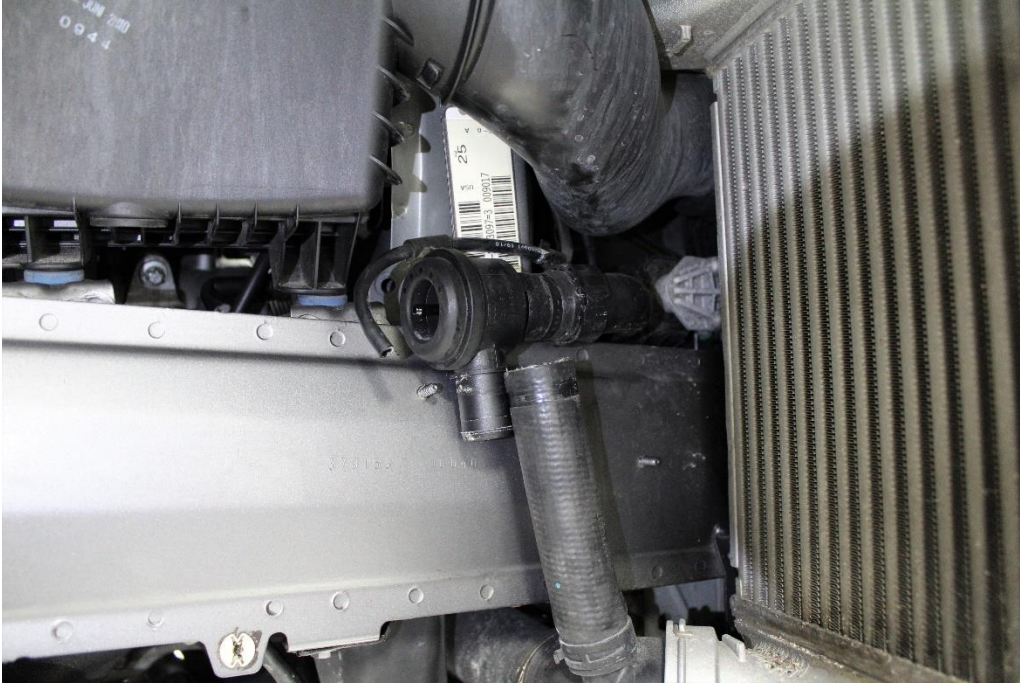
3) Next, remove the plastic intercooler shroud. The shroud has an upper and lower release tab (red arrows), it is easiest to jiggle the shroud with the tabs in the release position and slide the shroud to the outside direction of the vehicle. Remove the shroud and set aside.



4) With a flat-head screwdriver, remove the one-use clamps from the hoses securing the diverter valve. These clamps can be discarded after removal.

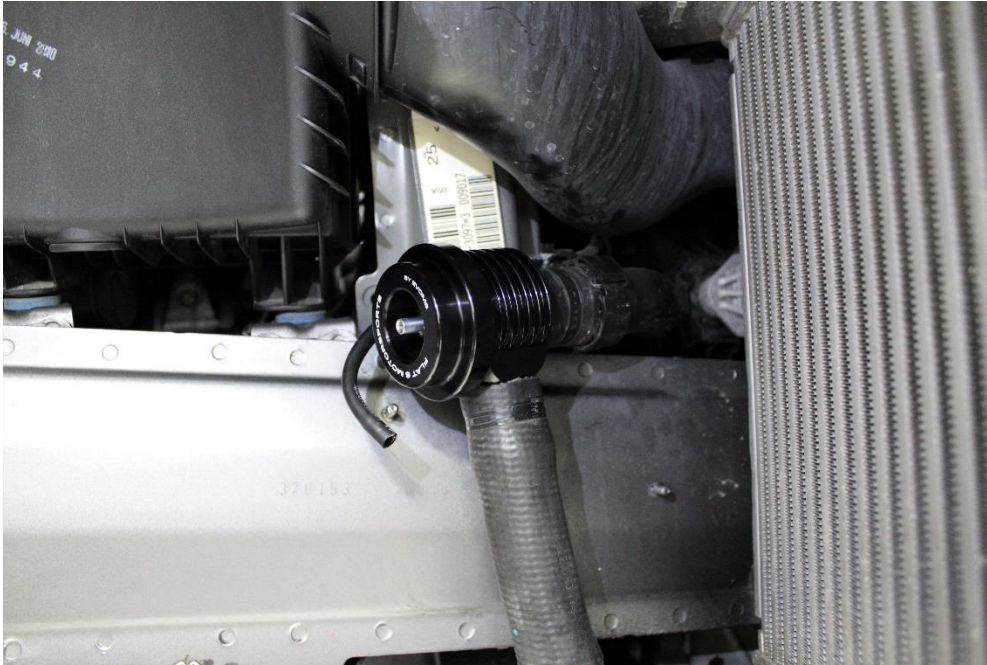


5) With the clamps removed, pull the top vacuum line off of the diverter valve and pull the hoses away from both necks of the diverter valve body.



Removal of the factory diverter valve is complete, now it's time to install the Flat 6 Motorsports Upgraded Diverter Valve.

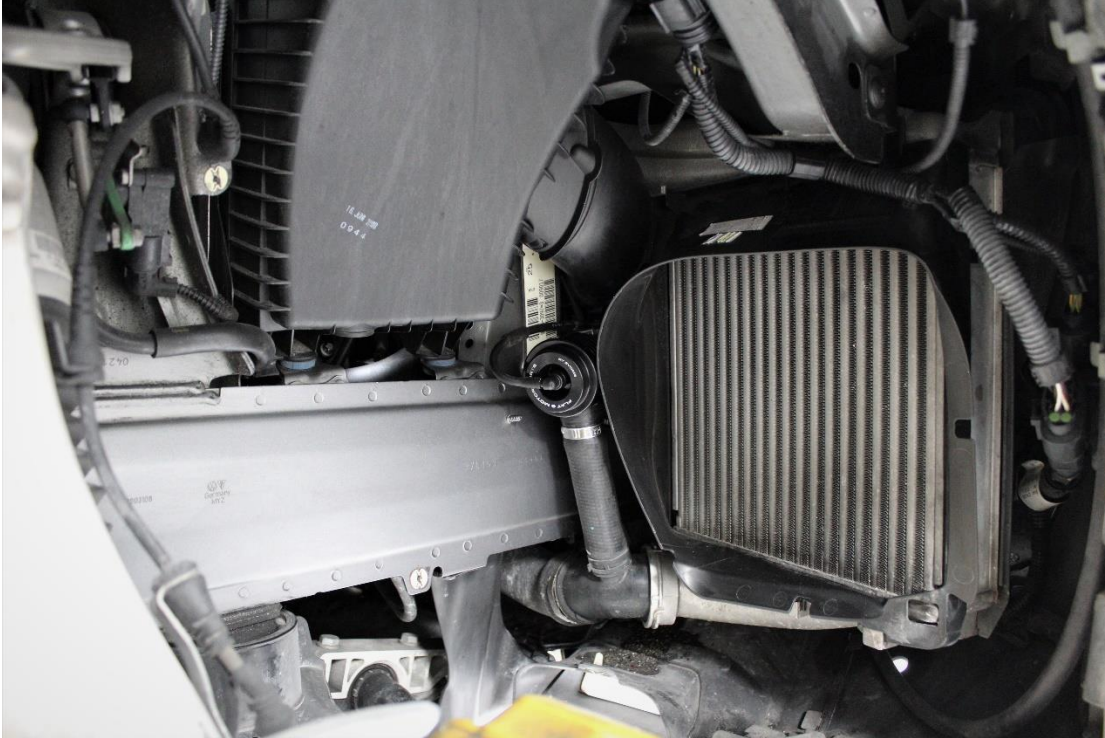
6) Place the Flat 6 Motorsports Upgraded Diverter Valve in the rubber houses in the same orientation that the factory ones came out. Connect the 90-degree plastic fitting to the top of the diverter valve and connect the vacuum line to the 90-degree plastic fitting.



7) Use two of the provided worm clamps to secure the diverter valve. Tighten with a flat head screwdriver and ensure the clamps are secure around the diverter valve necks.



8) Insert the plastic intercooler shroud back into place by sliding until the shroud is secured in place.



9) Next, reinstall the fender liner/panel inside of the fender and secure all screws in the reverse order of removal.

10) The same instructions apply to the other side of the vehicle. After installation, reinstall the wheels. The factory torque spec for the wheel bolts are 118 ft/lb of torque.

Installation of the Flat 6 Motorsports Upgraded Diverter Valves is now complete! Take your vehicle for a spin and ensure there are no leaks in the system. The Upgraded Diverter Valves will help maintain consistent boost pressure at higher boost levels and recover quicker when going on/off throttle! Please contact us with any questions.

Enjoy the product? Please share your experience, pictures and videos on social media! Tag us with @flat6motorsports or #flat6motorsports for a chance to win a gift card or a free product giveaway.