



# INSTALLATION GUIDE

## LEAKING TIMING COVER SOLUTION

PORSCHE MACAN / S / GTS / TURBO

### FITMENT

- 2015 - 2018 Porsche Macan S
- 2017 - 2019 Porsche Macan GTS
- 2015 - 2019 Porsche Macan Turbo

### TECHNICAL HELP

If you need technical assistance or help with the installation procedure, please email [info@flat6motorsports.com](mailto:info@flat6motorsports.com) for immediate help.

### IN THE BOX

- 2X Porsche OEM Solution Approved Timing Cover Screws
- 2X Porsche OEM Solution Approved Washers

### TOOLS NEEDED

- Long Flat Head Screwdriver
- T-30 Torx Bit
- Needle-nose pliers (*optional*)
- Telescopic Mirror (*optional*)



- 1) Being on the Driver's Side of the vehicle. Unscrew T30 screw holding coolant valve to airbox and gently pull valve away from its mount (Do not disconnect any hoses!).



- 2) Looking along the outer edge of the airbox, locate the T30 screw holding the airbox down to the frame rail and unscrew.



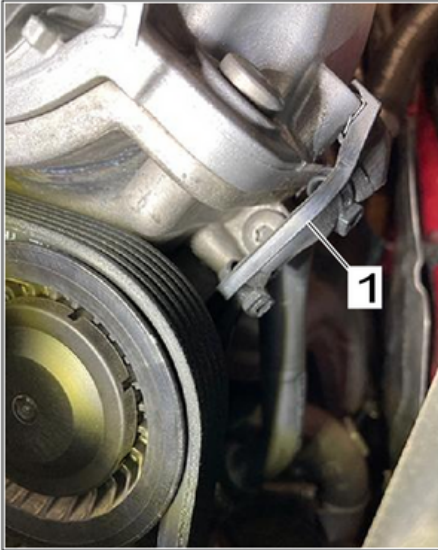
- 3) Gently lift the airbox up slightly so the screw can clear the frame rail, then lean it inwards towards the engine. This will reveal the intake piping just below the screw. Using needle-nose pliers or a long T30 bit, rotate the two plastic pins that lock the intake piping to the airbox until the tabs face outwards. They can then be pulled upwards with pliers.



- 4) Once the pins are removed, use a long flathead screwdriver or suitable tool to pry the intake pipe out of its socket in the airbox. You can now pull the airbox up and out of the engine bay.



- 5) Once the airbox is removed, locate the plastic wiring harness mount at the bottom edge of the cam cover. Above this, is where the screw will be replaced. Using a small pick or screwdriver, gently pry the bracket off its mount on the cover and move the harness towards the rear.



- 6) Using a mirror if needed, locate the upper timing cover screw. Once located, gently attempt to unscrew by hand. Rotate very slowly to prevent screw from becoming fully detached. If screw is too tight, you may also loosen with a T30 bit on a small wrench or driver. Be very gentle to prevent further breakage.



#### PRO TIP

If the screw broke while removing, proceed as follows: Depending on tools available, there are a few ways to remove the broken screw still threaded into the timing cover. If enough of the screw is protruding from the rear, you can use a small piece of rubber tubing to grip the end of the screw and thread it out the back of the mount, opposite of trying to remove it out the front. If not, you will have to devise a tool with some type of adhesive to go in through the front of the hole and attach to the broken end of the screw and continue unscrewing like normal.

- 7) Once screw is completely removed, you can now clean the bore with some brake cleaner.



- 8) Install provided screw w/washer and tighten to 10 Nm.



- 9) Re-install wiring harness on cam cover, using hook tool or small screwdriver (it will be tight!)

- 10) Re-install airbox. It may be helpful to lubricate the rubber grommets at the base to ease installation. Nextt, install the intake pipe into the airbox and slide pins back into place.

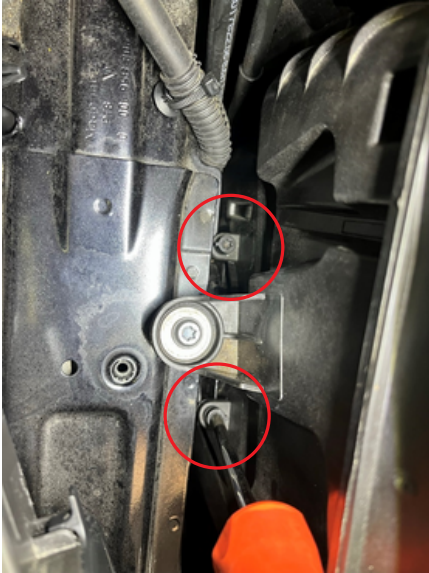
- 11)** Once intake pipe is installed, gently guide airbox into final position, lining up with the rubber grommets and reinstall screw, tighten screw to 10 Nm.



- 12)** Next, move to the passenger side of the vehicle. Looking along the outer edge of the airbox, locate the T30 screw holding the airbox down to the frame rail and unscrew.



- 13)** Gently lift airbox up slightly so the screw can clear the frame rail, then lean it inwards towards the engine. This will reveal the intake piping just below the screw.



- 14)** Using needle-nose pliers or a long T30 bit, rotate the two plastic pins that lock the intake piping to the airbox until the tabs face outwards. They can then be pulled upwards with pliers.



- 15)** Once pins are removed, use a long flathead screwdriver or suitable tool to pry the intake pipe out of its socket in the airbox. You can now pull the airbox up and out of the engine bay.



- 16)** Using a mirror if needed, locate the upper timing cover screw. Once located, gently attempt to unscrew by hand. Rotate very slowly to prevent screw from becoming fully detached. If screw is too tight, you may also loosen with a T30 bit on a small wrench or driver. Be very gentle to prevent further breakage.



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**17)** Once screw is completely removed, you can now clean the bore with some brake cleaner.

**18)** Install provided screw w/washer and tighten to 10 Nm.



**19)** Re-install airbox. It may be helpful to lubricate the rubber grommets at the base to ease installation. Nextt, install the intake pipe into the airbox and slide pins back into place.

**20)** Once intake pipe is installed, gently guide airbox into final position, lining up with the rubber grommets and reinstall screw, tighten screw to 10 Nm.



INSTALLATION OF THE FLAT 6 MOTORSPORTS MACAN LEAKING TIMING COVER SOLUTION IS NOW COMPLETE! NOW YOU CAN ENJOY YOUR MACAN WITHOUT THE OIL LEAKS!

ENJOY THE PRODUCT?

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

