



IEBACG1

Integrated Engineering B8 2.0T TSI Catch Can Installation Guide

Thank you for purchasing another high quality Integrated Engineering product! This instruction sheet is used for installation of the Integrated Engineering FSI catch can kit. This kit needs to be installed by a professional or by an experienced technician. Integrated Engineering is not responsible for any damage caused by incorrect installation.



Tools Needed:

5 mm allen key
Adjustable AN wrench
14 mm open end wrench
Torx 25
Flat blade screw driver
Ratchet
13mm socket
Wire cutters

Kit Contents:

(1)- Catch Can
(1)- Catch Can Bracket
(2)- 10AN Hoses
(1)- Valve Cover Breather Adapter
(1)- Boost Cap
(2)- 90 Degree 1/2" NPT to -10AN Fittings
(1)- Brass Petcock
(1) M6x20mm Bolt
(8) M6x25mm Bolts

1. Gain access to the valve cover by removing the engine cover. Near the back side of the valve cover, you will see the large oil separator that will be removed. You will need to unplug the coilpacks and Valvetronic solenoids in order to move the harness out of the way to gain access to this plate (figure 1).



Figure 1

2. Unclip the PCV hose from the intake manifold (figure 2). Using the Torx 25, remove all of the bolts holding the PCV plate to the valve cover. Be careful to stick the bolts aside so they cannot fall into the opening on the valve cover. Once you have unbolted the oil separator, carefully remove the rear breather hose by simply pulling it out (figure 3).



Figure 2

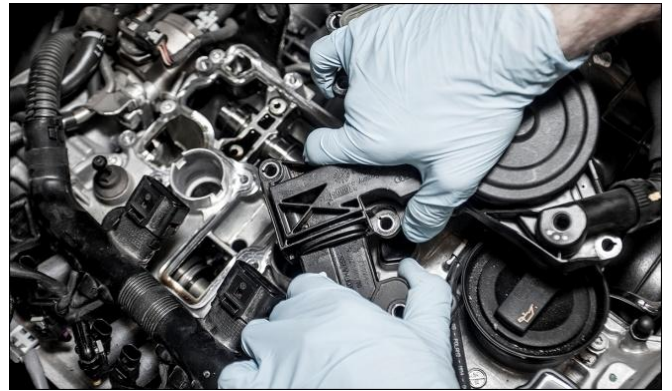


Figure 3

3. Carefully remove the gasket from the underside of your factory oil separator. Wipe it clean and begin to press it into the groove on the underside of the IE breather plate. You will notice that there is an area that does not fit into the groove, as well as a small tab that needs to be trimmed. Carefully trim those pieces using scissors or a sharp razor blade (figure 4).



Figure 4

4. Once you have trimmed the gasket and installed it into the breather plate, proceed to install the plate onto the valve cover. You will first want to install the factory rear breather hose into the slot on the plate, which simply slides in. Confirm that the mating surface is clean of dirt and debris and then install the provided bolts (figure 5). You will notice that one bolt is shorter than the other 8, which is to be installed in the hole directly behind the slot for the rear breather tube, near the back passenger side of the engine bay.



Figure 5

5. Install the fitting of your choice into the provided boost cap. If installing a boost gauge, you will use the barb fitting. Otherwise, install the plug into the cap. Be sure to use thread sealant on these threads. Slide boost cap onto intake manifold, ensuring the slot is past the barb on the manifold. Slide plastic clip into slot to fasten the boost cap (figure 6).



Figure 6

6. Remove the two upper alternator bolts. Reinstall bolts with catch can bracket between them and the alternator (figure 7).

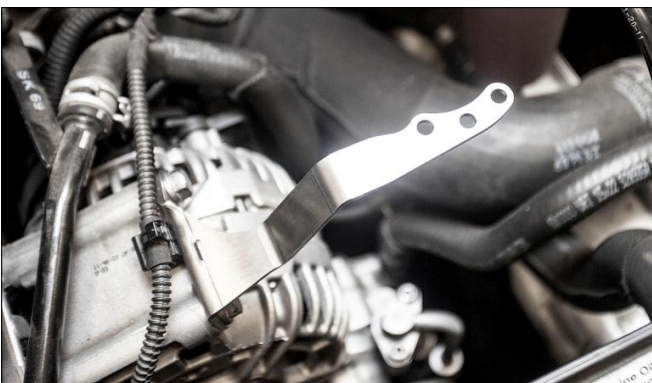


Figure 7

7. Using wire cutters, carefully cut off the mounting clip on the harness that is near the bracket (figure 8). Using included wire tie, fasten the harness to the small slot in the catch can bracket (figure 9).



Figure 8

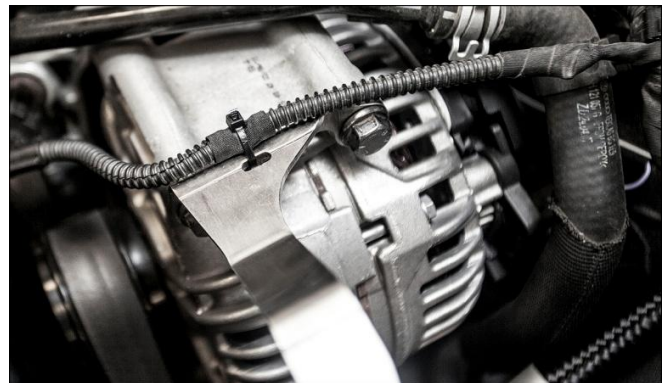


Figure 9

8. Install drain petcock into bottom of catch can, using thread sealant. Install 90 degree fittings into catch can, with both of the outlets facing towards the back of the car. Be sure to use thread sealant on these threads. The fitting on the driver's side will need to be angled down a bit further than the one on the passenger side. Bolt catch can to bracket using provided M6 button head bolts (figure 10).



Figure 10

9. Install catch can hoses. The hose with both 45 degree ends will attach to the back side of the valve cover breather and the driver's side of the catch can. The one with the straight hose end will attach to the passenger side of the catch can, then the front side of the breather adapter (figure 11). **Do not use thread sealant on these threads.**



Figure 11

10. Reconnect all coilpack and Valvetronic connections that were removed for the install. Ensure that all bolts are securely fastened and hoses are properly routed. The engine cover can be reinstalled as is, but may require slight trimming so that it does not interfere with catch can bracket. Your install is now complete (figure 12).



Figure 12

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