

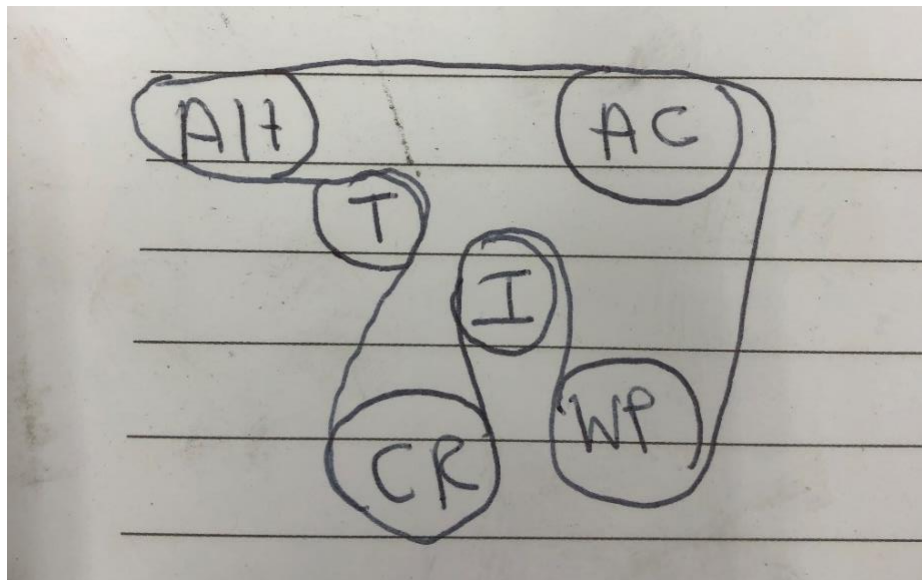
Killer B Motorsport

FA20DIT Dual Barb Coolant/Breather Install Guide

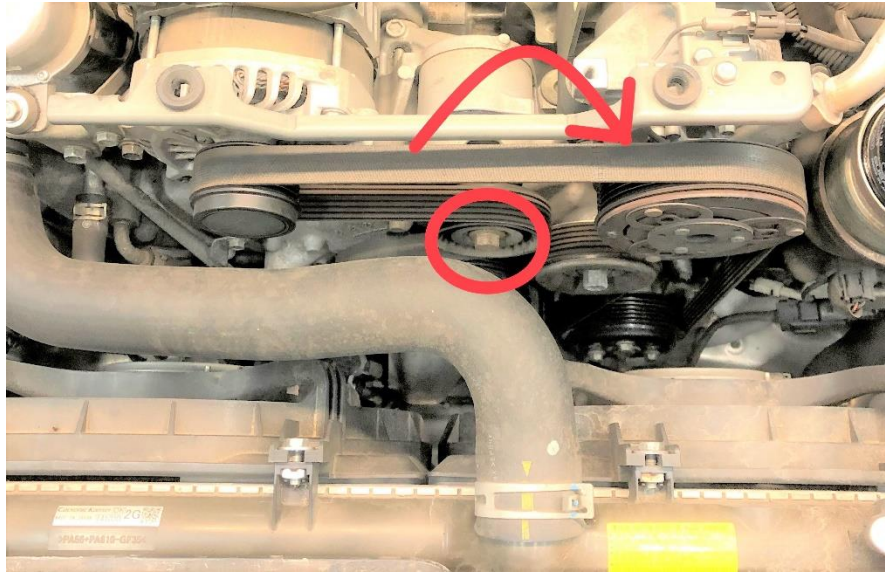
1. Open hood.
2. Remove engine cover and airbox inlet duct.



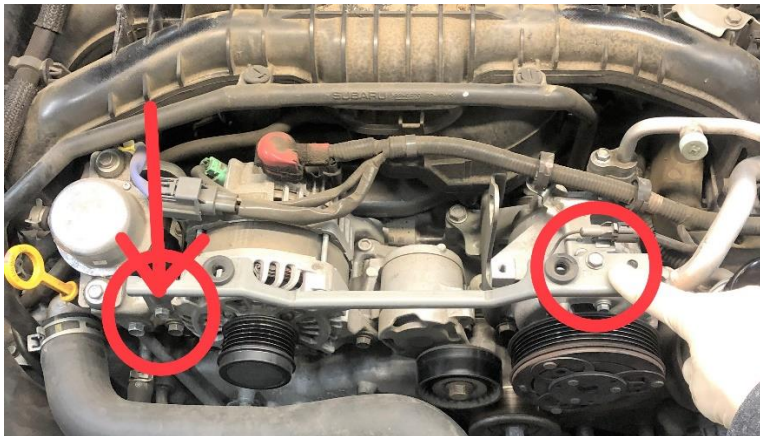
3. DRAIN THE COOLANT. If you don't, you run the risk of introducing coolant to the crankcase.
4. DRAW A SCHEMATIC FOR YOUR DRIVEBELT. For example:



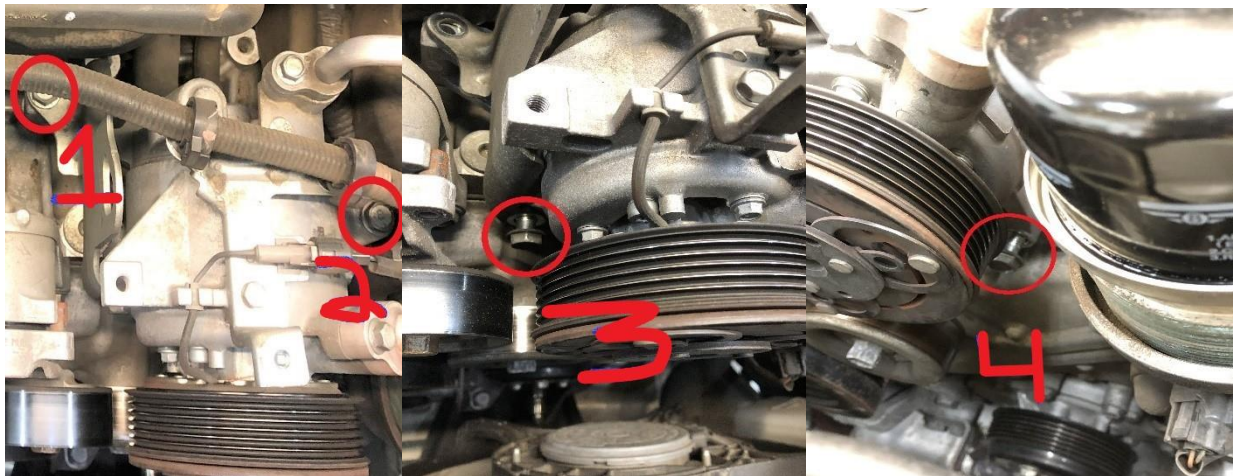
5. Remove accessory drivebelt with 14mm wrench. Reinstall the belt the same way.



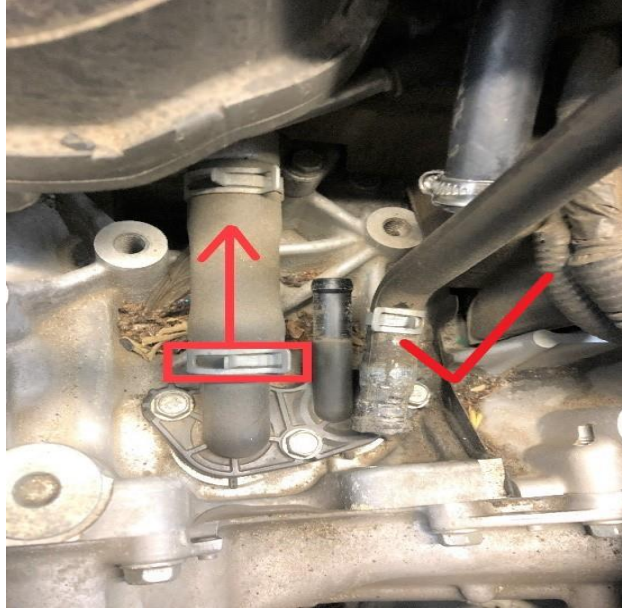
6. Remove drivebelt cover bracket.



7. Loosen the (4) M12 bolts securing the AC compressor to the engine block. Set 4 bolts and bracket aside for reinstallation. Once you are able to lift the AC compressor vertically, spray compressed air under the compressor to remove dust and debris from your work area.



8. Lift the AC compressor enough so you have clear access to the OEM plastic breather fitting underneath it.
9. Using pliers, loosen both clamps and slide them up their hoses for now. If either of the fittings has a non-serviceable clamp, cut it off with pliers and replace it with a new clamp.
***Newer models WRXs and FXTs (APPRX 2018+) came with a non-serviceable clamp on this breather fitting, cut the hose clamp located just above that fitting and proceed.



10. With a 10mm socket and ¼" socket wrench, loosen the (3) m6 fasteners securing the Killer B Motorsport dual barb breather fitting on the engine block.
11. Install the dual barb breather fitting on the engine block. BE SURE BOTH ORINGS DO NOT FALL OUT OF PLACE.



12. Insert and torque the fasteners to 4.8 FT-LBS (57.6 IN-LBS).

***Torque the middle fastener first followed by the left and right fasteners. Then, double check all 3 bolts for torque.



13. Reposition the AC compressor back into its original mounting location. Start each bolt in by hand. Torque the (4) AC compressor bolts to 26.6 FT-LBS
14. Reinstall accessory drivebelt using the schematic you drew up in step 4: Install the belt over every pulley, leaving the tensioner pulley for last. With the 14 or 15mm wrench, rotate the tensioner clockwise to release it's tension and install the belt. Make sure the v-belt is centered on all pulleys and idlers before proceeding.
15. Reinstall engine cover bracket and tighten it's (2) 10mm headed bolts.
16. Reinstall engine cover and secure it with two clips.
17. Reinstall the airbox inlet duct with it's 2 clips.
18. Refill coolant and perform bleeding procedure per factory service manual.
19. Check for leaks.
20. Start engine and recheck for leaks.
21. Test drive vehicle and recheck for leaks.