



IAG VF Series Turbo Wastegate Bracket for 2004-13 STI & 09-13 WRX

Part# IAG-ENG-5013

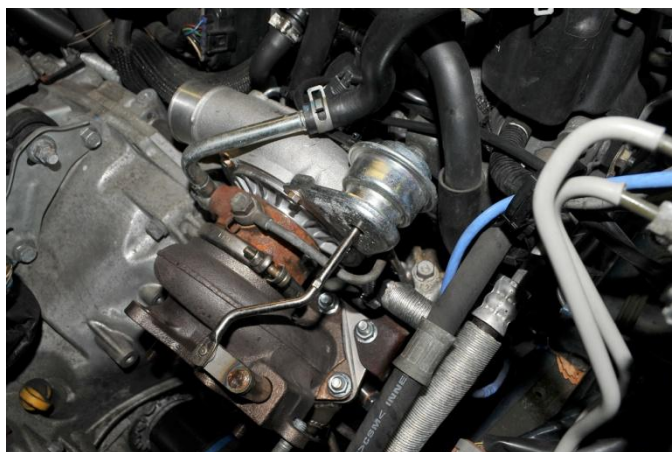
Tools Required: 8mm socket, ¼" drive ratchet, 90° pick, pliers, 4mm ball head allen, 6mm allen, ½" wrench

Thank you for choosing IAG Performance. This internal wastegate locking bracket is designed to replace the factory wastegate actuator and lock the wastegate shut. This installation guide assumes that you already have an external wastegate installed. Do not install this product and operate the engine if you do not have an external wastegate already installed. Please follow the instructions below for an easy installation. *For clarity, some of the pictures taken for this guide were taken with the turbo off of the vehicle. The steps are the same whether the turbo is on or off of the vehicle.*



Removal:

1. To reduce the risk of burning yourself, please wait for the engine to cool to ambient temperature before beginning work.



2. Remove the boost line from the top nipple on the actuator.

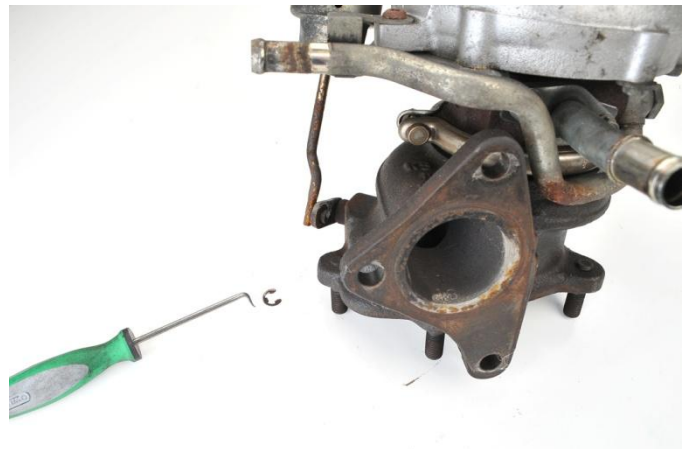


2.

3. Using a small 90° pick, remove the circlip from the stud that goes through the wastegate arm. Carefully, pull the stud out of the arm. The actuator lever is under tension so it will require some minor force to pull the lever out of the arm.



3.



3.

4. Using your 8mm socket, remove the 3 bolts that hold the actuator to the compressor housing. Now remove the actuator assembly and set aside.



4.

Install:

5. Install the billet bracket on the back side of the compressor. Please take note of the orientation of the bracket. Using the supplied 5mm bolts and washers, screw the bolts through the slots into the existing holes. Leave the bolts loose enough that you can rotate the bracket side to side.



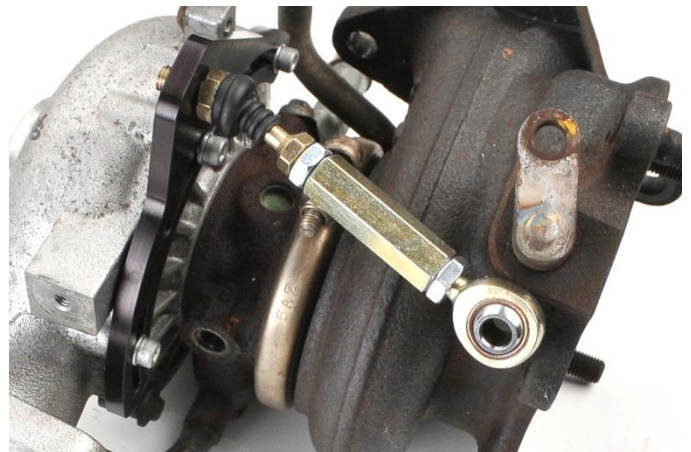
5.

6. Please study the assembly of the linkage. The inline ball joint is RHT and the rod end ball joint is LHT. Rotating the turnbuckle one direction will lengthen the linkage. Rotating the linkage the other direction will shorten the linkage. The jam nuts should already be threaded onto the linkage. However, if your hardware is disassembled, please place the appropriate jam nuts on each ball joint and then thread the ball joints into their respective sides of the turnbuckle.



6.

7. Screw the inline ball joint into the threaded hole on the bracket.



7.

8. Place the acorn nut on the back side. First tighten the ball joint with a $\frac{1}{2}$ " wrench then tighten the acorn nut with a $\frac{1}{2}$ " wrench.



8.

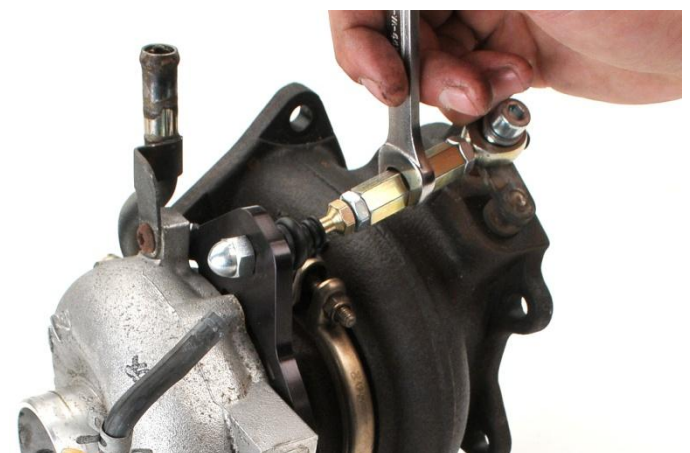
9. Make sure the wastegate is completely shut and adjust the turnbuckle so the rod end is aligned with the wastegate arm. Place the 8mm bolt through the rod end and wastegate arm and screw the copper nut on the bottom and tighten with a 6mm allen and 12mm wrench.



9.

10. Slightly loosen the turnbuckle so there is no tension on the linkage. Rotate the bracket so the linkage is perpendicular to the bracket. Use your 4mm ball head allen to tighten the bracket to the compressor housing. Tighten the turnbuckle with your $\frac{1}{2}$ " wrench until the wastegate is shut and linkage is tight. Now tighten the jam nuts against the turnbuckle to prevent the turnbuckle from loosening.

Your factory wastegate is now shut.



10.

