



MCS/JCW Blow Off Valve Spring Upgrade

2015-02-24

Thank you for purchasing this ALTA product for your car! Installation of this product should only be performed by persons experienced with installation of aftermarket performance parts and proper operation of high performance vehicles. If vehicle needs to be raised off the ground for installation, the installer must use proper jacks, jack-stands and/or a professional vehicle hoist for safety of the installer and to protect property. If the vehicle is lifted improperly, serious injury or death may occur! Please read through all instructions before performing any portion of installation. If you have any questions, please contact our tech department prior to starting installation. We can be reached in any of the following methods:

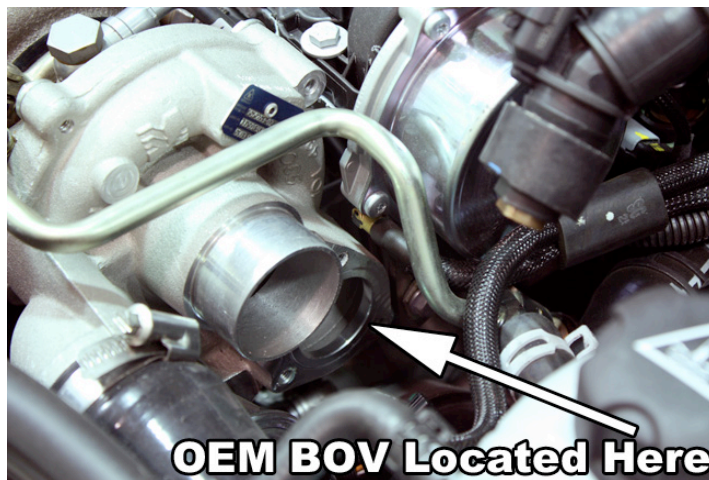
Email Tech@ALTAperformance.com

Instant Chat off the main page of www.ALTAperformance.com

Or simply call our tech team at 503-693-1702

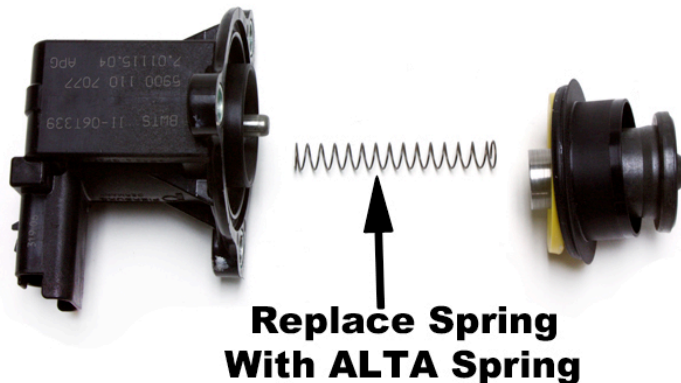
SPECIAL NOTES:

- Use of the factory service manual can be very helpful during the installation. These can be purchased at the dealership or online. <http://www.realoem.com> has diagrams for the entire car, which can also be helpful.
- The 3 bolts securing BOV to turbo have thread locker on them, take time in removing.
- If your Blow Off Valve has a sticky or oily substance on the rubber valve, its important to clean this off using a proper degreaser. It also is a good idea to clean this off periodically as they can become stuck over time. Especially on Automatic cars where the Blow Off Valve is not operated as often.



Installation of ALTA BOV Spring Upgrade:

- 1) Open hood and locate turbocharger at front of engine.
- 2) Remove turbo inlet pipe to expose OEM Blow off Valve. This is the black unit held on by 3 bolts just below the turbo inlet.
- 3) Unplug electrical connection, remove (3) 5mm allen bolts from blow off valve (BOV). Carefully remove from car making sure to not loose o-ring used to seal BOV to turbo.
- 4) Using light pressure remove BOV diaphragm cap (Generally piston, diaphragm and cap come off together) from BOV body. Locate and remove OEM spring from inside and replace with ALTA BOV spring.



- 5) Reinstall diaphragm cap (With piston and diaphragm) making sure to snap together around entire body.
- 6) Reinstall BOV to car making sure that o-ring is placed in groove on BOV. Applying a small amount of grease to groove install o-ring.
- 7) Rotate BOV until all 3 bolts holes line up and install OEM bolts and tighten to 12-15ft-lbs. Plug electrical connection back in.
- 8) Reinstall turbo intake pipe and start engine to ensure no check engine lights are on.
- 9) Take car for test drive and listen for anything that sounds like a chirping during shifts (automatic customers will need to lift throttle to test this). If these sounds occur, it could be a sticking BOV or mis-assembled part. Please repeat installation.

Questions, Comments and Suggestions Contact: Tech@ALTAperformance.com
Visit Our Website for Instant Chat Options at <http://www.ALTAperformance.com>
Call Our Tech Team at 503-693-1702