

### **Tools needed**

Jack  
Jack stand  
Automotive clip removal tool  
Long needle nose pliers  
Ratchet  
7/32 socket  
5/16 socket  
Lug wrench



### **Included parts**

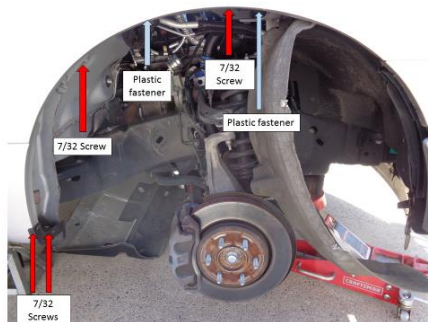
Turbo blanket  
Stainless steel springs X 2



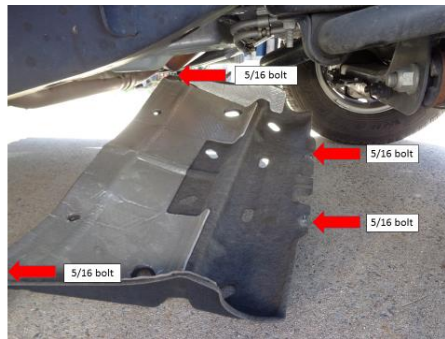
**Note:** Order two kits for 3.5 liter Ecoboost engine. These instructions are for the 3.5 liter twin turbo as the 2.7 liter Ecoboost engine is slightly different and will need different installation instructions

### **Installation**

1. Ensure vehicle is on level ground with parking brake set. (chock rear tires if necessary)
2. Loosen all lug nuts while vehicle is on the ground.
3. Jack passenger side first (it's the easiest side to do) and insert jack stand on frame behind wheel.
4. Remove tire.



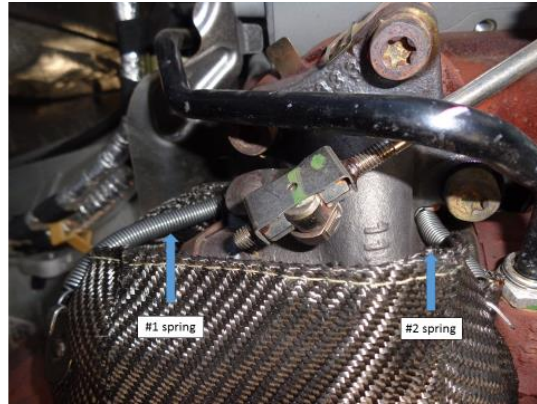
5. Partially remove wheel well. There are 2 plastic automotive plugs and 4 7/32" screws. Pull wheel well forward enough until turbo is easily accessible.



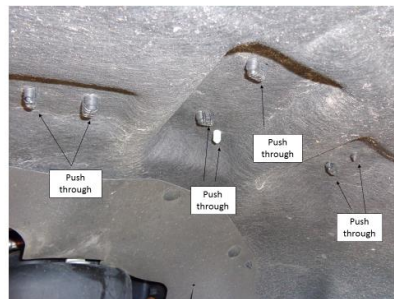
6. Remove soft panel underneath vehicle covering oil pan and transmission. It has four 5/16" bolts (2 front, 2 rear). This will allow access to turbo from bottom for blanket adjustment.



7. Install turbo blanket from bottom of turbo with open end up with all clips pointing up and the 2 stainless steel clips facing you. Ensure blanket wraps around exhaust portion only. You will need to get underneath to push blanket between engine block and turbo.



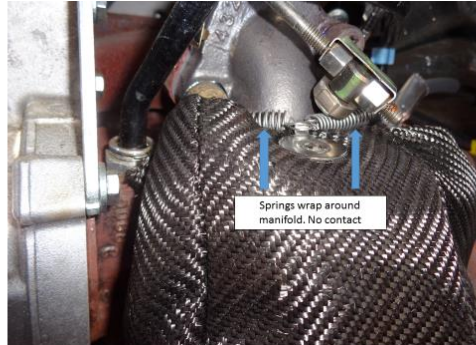
8. The 2 springs are installed by clipping them onto the single rear clip first and then pulling them around exhaust manifold to front clips. You will need to use long needle nose pliers to fish the springs from the back of the exhaust manifold. (Make sure springs do not interfere with any moving parts.)
9. Once blanket is installed snugly around turbo, reinstall the four 7/32 screws and two plastic fasteners, then reinstall tire.



10. For driver's side, repeat steps 1-5 (There are several clips holding various wire harnesses in the engine bay that can be removed by pushing them out from the bottom.)



11. Install turbo blanket from bottom of turbo with open end up with all clips pointing up and the single stainless steel clip facing you. (I found it easier to install springs this way; it does not affect performance.) Ensure blanket wraps around exhaust portion only. You will need to get underneath to push blanket between engine block and turbo.



12. Springs are installed by clipping them onto the two rear clips first and then pulling them around exhaust manifold to front clips. You will need to use long needle nose pliers to fish the springs from the back of the exhaust manifold. (Make sure springs do not interfere with any moving parts.)
13. Once blanket is installed snugly around turbo, reinstall wheel well and tire (ensure all the clips that were removed are installed back onto the wheel well.)
14. Install soft panel underneath vehicle covering oil pan and transmission with four 5/16" bolts (2 front, 2 rear). Tighten bolts hand tight (snug).
15. Remove jack stand and jack from vehicle. (Remove chocks if used.)
16. Torque all 6 lug nuts on both wheels to 150 foot pounds.
17. Enjoy!

Installation guide created by AM Customer Robert R. Royer on 03/17/2017