



# STEEDA

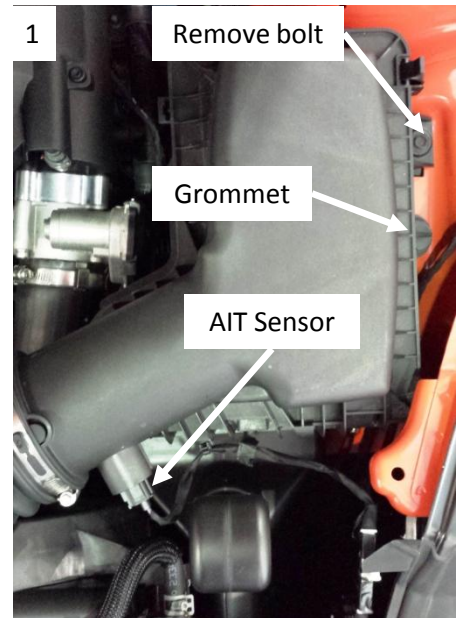
## 2015 S550 Mustang EcoBoost ProFlow Cold Air Intake system

Instructions for parts #555-3199



### Removal of the factory air intake system

1. Disconnect the electrical connector for the intake air temperature sensor. Loosen the hose clamp, securing the turbo inlet pipe to the airbox lid. Unbolt the lower half of the airbox from the fender, as seen in figure 1. Gently pull up on the airbox, and dislodge the rubber grommets from the holes in the fender. Then, pull the intake tube off of the airbox lid, and lift out the entire assembly in one piece. The cold air feed duct will come out attached to the lower half of the air box.
2. Remove the rubber grommet from the bottom of the airbox, and insert it into the hole where it was originally located in the inner fender. See figure 1.
3. Once the air box is removed, you can now remove the factory turbo intake tube. Start by unclamping the factory spring clamp holding boost by pass hose at the lower portion of the tube. Also remove the factory PCV line, by pinching it and disconnecting it. You will reuse this clamp. See figure 2



### Assembly of the Steeda Cold Air Induction Kit

4. Using the provided ¼-20 bolt and washer (2 provided washers are the same), install the aluminum barbed stud into the front hole of the mounting pad of the Steeda air box. See figure 3.
5. Attach the velocity stack to the air box, by passing the pipe through the hole in the box, and orient it as seen in figure 3. Install and tighten the four allen head ¼-20 bolts into the velocity stack.
6. Attach the supplied cone air filter to the velocity stack, by sliding it over the outer flange and securing it with the attached hose clamp, as seen in figure 4.
7. Install the rubber trim around the top edges of the box.



8. Remove the factory air intake sensor. This is located in the factory lid facing forward. Simply rotate it counter clockwise to remove. Use the supplied rubber grommet (smaller OD) and install the grommet into the forward facing hole in the Steeda CAI base. Then using a twisting motion install the sensor as shown. See figure 5.

### Installation of the Steeda Cold Air Induction Kit

10. The factory cold air feed duct must be modified, before transferring it to the Steeda airbox. Cut the resonator off of the cold air feed duct off, as shown in figures 6 & 7. **DO NOT BREAK THIS RESONATOR OFF. IT NEEDS TO BE CUT OFF FOR THE PLUG TO FIT CORRECTLY.** Insert the provided large plastic plug into the open hole.
11. Install the cold air feed duct onto the Steeda airbox. It will snap into place, over the push pins in the box. See figure 4.
12. Fit the new airbox into the car, in the same location and orientation as the factory airbox, as seen in figure 9. Be sure to insert the barbed stud into the grommet that was placed back in the hole in the fender. Install the provided 6mm bolt and washer (2 provided washers are the same) into the rear mounting hole of the airbox.
13. With the Steeda airbox installed you can now install the ProFlow intake pipe. Install the silicone reducer at the inlet of the turbo first. The small end, with the #44 hose clamp will connect it to the turbo. Make sure you push it complete on and tighten the hose clamp. Then take the larger, size #56 hose clamp and slip it over silicone reducer at the turbo. Do not tighten this one yet.
14. Install the supplied rubber grommet (larger ID) into the hole of the intake tube. This is for the factory PCV line. Then install the fitting. See figure 8.
15. Take the straight piece of silicone hose and install it on the end of the plastic tube that doesn't have the fittings. This end will go towards the airbox. Slip the #56 hose clamps over it, do not tighten them yet.
16. Install the tube by inserting it into the silicone reducer at the turbo end first. Make sure you push it into the hose as far as possible. Then connect it at the air box end. You will want to check the clearance of the tube to make sure it's not hitting the turbo by pass solenoid sensor connector. Tighten all hose clamps. If it comes too close to the sensor then you can remove 1/4" of plastic from the turbo end of the tube.
17. Connect the factory PCV line and boost by pass hose to the new intake tube.
18. To install the Steeda sticker, spray some brake clean onto a clean rag and wipe the surface clean. Let it dry and then install.
19. The finished assembly should look similar to figure 9.

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Intake air sensor



6

Cut this off



7



8

