



STEEDA

Ford Focus ST

Front Mount Intercooler

Instructions for parts #555-3704



Tools Needed:

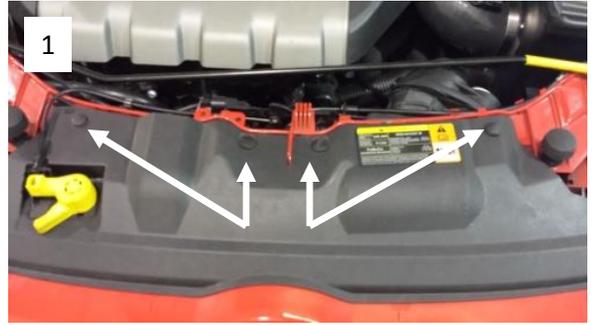
1. T25 & T30 Torx Drivers, or Sockets
2. ¼" & 3/8" Drive Ratchets
3. 10mm Socket
5. 8mm & 10mm Box End Wrenches
6. 5mm Allen Wrench
7. Flat Head Screwdriver

Removal of Factory Intercooler:

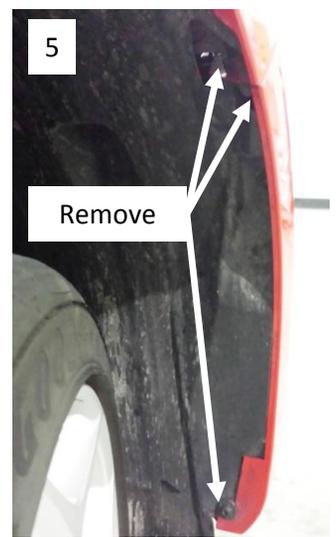
1. Raise and safely support the vehicle.
2. Using the T25 Torx drivers, remove the plastic strip and belly pan from the under side of the engine compartment. 2105 ST's use T30 screws and several plastic clips.
3. Remove the four clips on top of the bumper. 2015 ST's only has two plastic clips and four T30 screws up top.
4. Disconnect the hood release cable from the chassis. Manually lift it up, and slide the cable out of the slot.

Note: If this is going to be an overnight project, or the hood will need to be closed for any reason, it is advised that you disconnect the hood release from the bumper, instead of the latch, so that the engine bay is still accessible.

5. Remove the two T30 Torx screws from the top of the bumper. There is one on each side of the car, next to the headlight. Figure 2.
6. Remove the two T30 Torx screws holding in each headlight. Disconnect the wiring harness while you pull the headlight out of the car. Carefully remove both headlights from the vehicle. Figures 3 and 4.



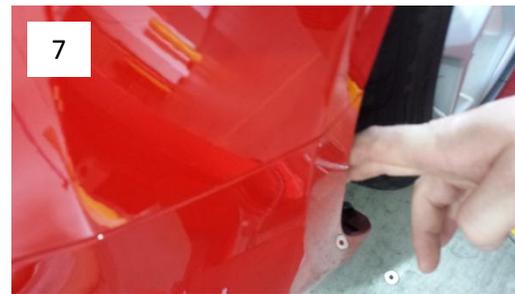
- Turn the wheel to gain access to the wheel well. On each side, remove the two Torx and one plastic clip attaching the bumper to the fender liner. Figure 5.
- Disconnect the wiring harness for the fog lights. This is located behind the driver side fog light. Figure 6.
- Disconnect the bumper where it meets the fender. This should pop off, however it may be easier if you loosen the two 10mm bolts holding the bracket. Figure 7. This might not be necessary for 2015 ST's.



- If you don't have a front license plate, skip this step.** Remove the two Torx head screws behind the bumper. Use the 1/4" drive universal joint, a 1/4" drive 12" extension, a 1/4" drive T30 Torx socket, and a 1/4" drive ratchet to remove these two screws located to either side of the license plate behind the bumper.
- Pull the bumper away from the vehicle carefully. You will need to unclip the large plastic clips under the headlights as it pulls away. Set the bumper aside in a safe place. Figure 8.
- If you do not have a front license plate,** remove the two T30 Torx screws holding the intercooler air duct in place. Remove the air duct and set it aside.



- If you do not have a front license plate,** unclip the black plastic absorber from the crash bar. Might not be needed on 2015 ST's
- Disconnect the active grill shutters wiring harness (located behind driver side fog light). Disconnect the wire that leads to the shutters so that it is free when the shutters are removed. Use the supplied black zip tie to secure the other end safely to the frame where it will be protected.



- Loosen the hose clamps and pull the stock hoses off of the intercooler.
- Disconnect the MAP sensor clip on the passenger side of the intercooler.
- Remove the two 8mm bolts securing the bottom of the intercooler into the car. Slide the intercooler down and out of the car. Figure 9.



- Remove the upper radiator air duct. Pull open the clip holding the shutters in place, while lifting up on the shutters. This is located on the passenger side of the vehicle on the top corner of the shutters.
- Lift the bottom passenger side of the shutters up out of its holding clip.
- Carefully maneuver the shutters down out of the vehicle. Once they are free, they will slide down behind the crash bar. It is not necessary, but it may make it easier to remove the shutters if you loosen the lower radiator support bracket. There are two 10mm bolts for this.
- Using the 8mm socket and/or wrench, loosen and remove the two bolts from the lower brackets of the intercooler.



22. Gently pull the lower portion of the intercooler towards the front of the car and down to remove the intercooler.

Installation of the Front Mount Intercooler:

1. Remove the two nut plates from the OEM intercooler, and install them onto the lower brackets of the Steeda intercooler. Install the nut plates onto the Steeda intercooler, from their respective sides on the OEM intercooler. If you don't want to use the OEM nut plate, Steeda provides you with two ¼-20 bolts and serrated nuts to use instead.
2. Use a T25 Torx to remove the MAP sensor from the stock intercooler. Install the sensor into the new Front Mount Intercooler using a 5mm allen key and the supplied M6 bolt. Figure 10.
3. Raise the new intercooler into the vehicle, sliding the upper brackets into their location. It is helpful to position the driver side upper bracket first, then slide the passenger side upper bracket into position. On the 2015 ST's it might be helpful to loosen the 10mm bolts holding the radiator brackets up.
4. Install the factory screws into the nut plates on the intercooler. Figures 11 & 12.
5. Slide the intercooler hoses onto the end tanks and tighten down the factory hose clamps. Reconnect the MAP sensor.
6. Snap the black plastic absorber back onto the crash bar. Reinstall the radiator air duct. **Optional:** Reinstall the stock intercooler air ducting. This is not necessary, and may require slight modification to the air duct for the cleanest install.
7. Reinstall the bumper onto the car. Reconnect the fog light wire. Snap the bumper back into the fender mounts, and tighten the 10mm bolts (if you loosened them in step 9 of removal). Reinstall the two Torx screws, and four plastic clips into the top of the bumper. 2015 ST's have four torx screws and 2 plastic clips.
8. Reinstall the headlights, making sure to plug each one of them in during installation. Reconnect the fog light wiring harness.
9. Once completed, recheck all fasteners and lower the car safely.

