



INSTALLATION INSTRUCTIONS

MAKE: Ford
MODEL: Focus ST
YEAR: 2013-2014
ENGINE: 2.0L (t)

**Cold Side
Intercooler Tube
46-20189-B (Black)
46-20189-R (Red)**



Parts Included:

- Coupling, Elbow (05-60438)
- Coupling, Elbow (05-60439)
- Clamp (2-5/16"-3-1/4") (x4)

Tools Needed:

- 7mm, 8mm, 10mm, 13mm sockets
- T25 Torx driver or socket
- Screwdriver
- Pick
- Extension
- Ratchet
- WD-40

CAUTION: Allow time for your vehicle to cool down prior to installation. When working on or under your vehicle proceed with caution. Engine bays may reach high temperatures and may cause serious burns. Wear protective safety equipment; eye goggles and gloves to ensure a safe installation. aFe Power recommends professional installation on our products

- Step 1:** Park vehicle on level ground and apply parking brake, use wheel chokes if necessary, and disconnect battery.
- Step 2:** Remove the engine cover from the vehicle.
- Step 3:** Locate the throttle body coupling in the front of the engine and loosen the top clamp using a 7mm socket
- Step 4:** Lift the front of the vehicle up, be sure to use jack stands to support the vehicle.
- Step 5:** Remove all of the bolts and clips that secure the lower splash shield on to the car, using a screwdriver and a T25 Torx driver/socket.
- Step 6:** Once the splash shield is completely removed, the intercooler hoses are now visible.
- Step 7:** Loosen the intercooler hose on the passenger side of the vehicle connected to the intercooler, using a 7mm socket.
- Step 8:** Using a pick with some WD-40, break the intercooler hose loose from the intercooler and disconnect it from the intercooler.
- Step 9:** Now the intercooler hose can be removed from the vehicle by pulling the hose straight down off of the throttle body.
- Step 10:** Install the straight hump coupling onto the throttle body with 1 clamp and tighten up the clamp onto the throttle body, using an 8mm socket.
- Step 11:** Install the 90 degree angled coupling onto the intercooler with the clamps and point the coupling downward to make it easier to install, but do not tighten the clamp yet.
- Step 12:** Remove the 13mm A/C compressor nut from the stud on the back of the compressor. This will be where the bracket on the intercooler tube mounts.
- Step 13:** Install one clamp on each side of the bracket of the intercooler tube.
- Step 14:** Install the aFe intercooler tube into the vehicle and line the slotted bracket up with the stud from step 12 and both intercooler couplings.
- Step 15:** Position the intercooler tube in a way that is not touching any metal surfaces and tighten all four (4) of the clamps with an 8mm socket and install the nut removed in step 12.
- Step 16:** Install splash shield back onto the vehicle and lower vehicle.
- Step 17:** Install the engine cover and reconnect the battery.
- Step 18:** Install is complete. **Enjoy!**