



## INSTALLATION INSTRUCTIONS

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

**Hot Side**  
**Intercooler Tube**  
**46-20188-B (Black)**  
**46-20188-R (Red)**



### Parts Included:

- Coupling, Elbow (05-60436)
- Coupling, Elbow (05-60438)
- Clamp (1-9/6"-2-1/2") (x1)
- Clamp (2-5/16"-3-1/4") (x3)

### 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:** Lift the front of the vehicle up, be sure to use jack stands to support the vehicle.
- Step 3:** 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 4:** Once the splash shield is completely removed, the intercooler hoses are now visible.
- Step 5:** Loosen the intercooler hose on the driver side of the vehicle connected to the intercooler, using a 7mm socket.
- Step 6:** Using a pick with some WD-40, break the intercooler hose loose from the intercooler and disconnect it from the intercooler.
- Step 7:** Follow the intercooler hose back to the bracket that is mounted to the front of the engine and remove the mounting bolt, using a 10mm socket.
- Step 8:** Continue following the intercooler tube back to the second bracket that is mounted to the back of the engine and remove the mounting nut, using a 13mm socket.
- Step 9:** Continue to follow the intercooler tube back to where the intercooler tube meets up with the turbo in the very back of the engine and loosen the clamp, using a 7mm socket, then the entire tube can be removed from the vehicle.
- Step 10:** Install the aFe couplings and clamps onto the intercooler tube, but do not tighten yet.
- Note:** The smaller angled coupling goes closer to the smaller bend on the intercooler tube.
- Step 11:** Install the aFe intercooler tube into the vehicle and line the slotted bracket up in the OE location and install the nut, removed in step 9 but do not tighten.
- Step 12:** Line the large bracket up in the OE location in the front of the engine and install the bolt, removed in step 8 but do not tighten.
- Step 13:** Connect the front coupling onto the intercooler and the rear coupling onto the turbo.
- Step 14:** 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.
- Step 15:** Install splash shield back onto the vehicle and lower vehicle.
- Step 16:** Reconnect battery.
- Step 17:** Install is complete. Enjoy!