



## INSTALLATION INSTRUCTIONS

MAKE: Ford  
MODEL: Diesel Trucks  
YEAR: 2011-2016  
ENGINE: V8-6.7L (td)

### Hot Side Intercooler Tube 46-20148-B (Black)



#### Parts Included:

- Intercooler Tubes (x1)
- Coupling (x1)
- Clamp (x2)
- O-Ring (x1)

#### Tools Needed:

- 10mm & 11mm sockets
- Ratchet
- Pick
- Flat head screw driver
- WD-40

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

1. Park vehicle on level ground and engage parking brake.
2. Loosen the clamp and disconnect the coupling that connects the hot side intercooler tube to the top of the intercooler, using an 11mm socket.  
**Note:** You may need to use a pick to loosen the coupling from the intercooler.
3. Follow the intercooler tube back to the turbo, you will need to un-clip the intercooler tube from the turbo using two (2) screwdrivers to lift the retaining clip from both sides then pull the tube out of the vehicle.
4. Looking down into the coupling that connects to the turbo on the stock intercooler tube you will need to pull the black plastic housing upwards on both sides to release the plastic housing from the metal portion of the tube so the metal spring clip can be removed and reused on the aFe intercooler tube.
5. Once the spring clip is removed from the stock intercooler tube you can install the spring clip onto the aFe intercooler tube, make sure the center pin of the spring clip is at the top of the tube when installed into the vehicle.
6. Install the supplied O-ring into the groove on the inside the unpainted aluminum piece of the aFe intercooler tube.  
**Note:** Use a small amount of grease on the O-Ring when installing the tube onto the turbo.
7. Install one (1) of the supplied 3" t-bolt clamps onto the tube, then install the supplied coupling onto the intercooler tube and push it all the way up to the bend.
8. Place the second t-bolt clamp onto the intercooler inlet, then install the tube into the vehicle. First install the turbo side then pull the coupling down and connect it to the intercooler.
9. Place the t-bolt clamps onto the coupling and ensure the clamps and tube are not touching anything then tighten both clamps down using an 11mm socket.
10. Installation is now complete. Thank you for choosing aFe Power!