



## INSTALLATION INSTRUCTIONS

MAKE: RAM  
MODEL: 1500 EcoDiesel  
YEAR: 2014-2015  
ENGINE: V6-3.0L

**Intercooler Tube**  
**46-20178-B (Black)**  
**46-20178-R (Red)**



### Parts Included:

- Tube (1)
- Coupling, Silicone Elbow (1)
- Clamp (3" - 2-5/16) (1)
- Clamp (2-13/16 - 3-1/2) (1)
- Spacer (1)

### Tools Needed:

- 7mm, 8mm, 10mm sockets
- 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. 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. **Note: aFe's Downpipe recommends an aftermarket tuner to clear check engine light**

1. Park vehicle on level ground and apply parking brake, use wheel chokes if necessary, and disconnect battery.
2. Remove the engine cover from the vehicle.
3. Loosen the intercooler hose on the driver's side of the vehicle connected to the intercooler, using a 7mm socket.
4. Using a pick with some WD-40, break the intercooler hose loose from the intercooler and disconnect it from the intercooler.
5. Follow the intercooler hose back to the clamp just before it turns into a metal tube and loosen that clamp, using a 7mm socket.
6. There is a bracket, in the same location as the previous step, with two (2) nuts that mount the bracket to the engine that will need to be removed to get the lower portion of the intercooler hose out of the vehicle, using a 10mm socket.
7. Follow the metal portion of the tube all the way back almost to the turbo and pull back the rubber cover, near the heat wrap, that will uncover the final clamp that will need to be loosened to remove the upper portion of the intercooler tube.
8. Remove both halves of the intercooler tube from the vehicle.
9. Remove the sound deadening material from the top of the engine.
10. Install the aFe coupling and both of the clamps onto the intercooler, but do not tighten yet.
11. Remove the oil fill cap on top of the engine using an 8mm socket and set it to the side.
12. Unscrew the driver side engine cover stand and set it to the side.
13. Install the aFe intercooler tube into the vehicle and line the bracket up with the engine cover stand removed from the previous step and re-install the stand.
14. Position the intercooler tube in a way that is not touching any metal surfaces and tighten the upper clamp with a 7mm socket and the two (2) lower clamps with an 8mm socket.
15. Remove the passenger side engine cover stand and install the supplied spacer underneath the stand and reinstall.
16. Reinstall the oil fill, the engine cover and reconnect the battery.
17. Install is complete, thank you for choosing aFe Power!

Enjoy!