



INSTALLATION INSTRUCTIONS

MAKE: RAM

MODEL: 1500 EcoDiesel

YEAR: 2014-2015

ENGINE: V6-3.0L (td)

**Intercooler
46-20171**



Parts Included:

- Intercooler
- Couplings (x2)
- Plugs (x2)
- Clamps (x4)
- Breather

Tools Needed:

- 7mm, 8mm, 10mm, & 13mm Sockets
- Pick
- Extension
- 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 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 plastic cover that covers the radiator and intercooler.
3. Remove the four (4) bolts securing the grille to the core support, using a 10mm socket.
4. Unclip the four (4) clips on the back side around the outer edges of the grille, using a screw driver to pry the grille away from the core support.
5. Remove the four (4) bolts securing the electronic louvers to the core support, using 13mm and 10mm sockets.
6. Disconnect the electronic louvers and remove them from the vehicle.
7. Loosen the four (4) clamps on each side of the intercooler, using an 8mm socket.
8. Using a pick with some WD-40, break both of the intercooler couplings loose from the intercooler and disconnect them from the intercooler.
9. Remove the two (2) bolts securing the intercooler to the core support, using a 13mm socket.
10. You can now remove the stock intercooler from the vehicle along with the two (2) couplings that connect to the intercooler.
11. Install the supplied brass breather fitting onto the bottom passenger side support peg and one of the plugs into the driver side bottom support peg.
Note: The breather fitting is equipped with this intercooler because testing has shown the stock intercooler may have condensation build up in the bottom of the intercooler on some vehicles. The breather fitting will prevent this issue from happening with no side effects. There is an extra plug provided that can be installed if you prefer not to use the breather.
12. Install all four (4) of the OE rubber grommets onto the aFe Intercooler.
13. Thoroughly clean the outside of the intercooler tubes where the intercooler couplings will connect.
14. Install the supplied straight hump coupling onto the passenger side intercooler tube with one (1) of the supplied clamps and slide the coupling all of the way back.
15. Install the supplied angled coupling onto the driver side intercooler tube along with one (1) of the supplied clamps.
16. Remove the two (2) radiator mounting bolts to make room for the larger intercooler inlet and outlet tubes.
17. Install the two (2) remaining clamps onto the inlet and outlet of the aFe intercooler.
18. Now you can install the aFe Intercooler into the vehicle, the radiator may need to be lifted a little bit on the passenger side to make room for the intercooler outlet tube to slide by.
19. Once everything is back into place and all of the rubber grommets on the intercooler and the radiator are in their proper locations, install the intercooler mounting bolts from step 9 and the radiator mounting bolts from step 16, using a 13mm socket.
20. Connect both intercooler tube couplings onto the intercooler and position the intercooler tubes in a way that is not touching any metal surfaces and tighten ALL of the clamps using an 8mm socket.
21. Install the louvers that were removed from step 6 and re-connect the electrical connector.
22. Install the grille back into the vehicle and bolt back down from step 3.
23. Install the plastic cover from step 2.
24. Reconnect the battery.

Installation is complete. Enjoy!