



## INSTALLATION INSTRUCTIONS

MAKE: Ford  
MODEL: F-150 EcoBoost  
YEAR: 2015-2020  
ENGINE: V6-2.7L/3.5L (tt)

**Intercooler  
46-20201**

### aFe recommends professional installation on our products



#### Parts Included:

- Intercooler (x1)
- Spacer (x2)
- Plug, Hex (x2)
- Washer, M6 (x1)
- Vent, Breather 1/8" (x1)
- Screw, M6 x 1 x 12 (x1)
- Screw, M8 x 1.25 x 50 (x2)

#### Tools Needed:

- Ratchet
- 8mm, 10mm, 7mm & 13mm socket
- Flat head screw driver
- Panel popper
- 13mm Wrench

**CAUTION:** Allow time for your vehicle to cool down prior to installation. When working on or under your vehicle proceed with caution. Engine bays 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.

**Step 1:** Park vehicle on level ground and engage parking brake.

**Step 2:** Disconnect battery.

**Step 3:** Remove the (x2) 13mm nuts holding the plastic shield underneath the vehicle.

**Step 4:** Loosen all of the clamps on the passenger side of the intercooler between the intercooler and intercooler tubes, using an 7mm socket or flat blade screw driver, then remove the couplings from the vehicle.

**Step 5:** Disconnect the plastic tube from recirculation canister and unplug the electrical connector for the pressure relief valve located around the front of the intercooler.

**Step 6:** Remove c-clip holding driver side intercooler tube onto the intercooler then disconnect the tube from intercooler.

**Step 7:** While supporting the intercooler support bracket, remove the (x2) 13mm bolts to drop the intercooler and support bracket out from the bottom of the vehicle.

**Step 8:** Once the intercooler is out of the vehicle, remove the recirculation canister and pressure relief valve assembly by removing the top screw, using an 8mm socket, and then twisting the entire assembly counter-clockwise.

**Step 9:** Reinstall the recirculation canister and pressure relief valve assembly onto the aFe intercooler and secure with the supplied M6 washer and M6 x 12mm bolt, using a 10mm socket.

**Step 10:** Install the supplied plugs onto the bottom support pegs. It is recommended to drain the fluid build-up after every oil change.

**(Note:** There is a breather fitting is equipped with this intercooler because testing has shown the stock intercooler to 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. You can install the breather fitting in the driver side end tank of the intercooler instead of the plug.)

**Step 11:** Remove the (x2) bolts that secure the top support bracket and install the supplied 3/4" spacers between the frame rail and the intercooler bracket on each side, using an 13mm wrench, then install the supplied (x2) M8 x 1.25 x 50mm screws.

**Step 12:** Install all four rubber grommets and bottom support bracket onto the aFe intercooler then install into vehicle.

**(Note:** Use a small amount of WD-40 on outside of grommets for ease of installation.)

**Step 13:** Install the (x2) 13mm lower bracket bolts, removed from **Step 7**.

**Step 14:** Re-nstall the passenger side couplings, and clamps, onto the aFe intercooler and tubes then tighten all of the clamps, using an 7mm socket from **Step 4**.

**Step 15:** Reinstall the driver side tube with c-clip onto the aFe intercooler.

**Step 16:** Reconnect the plastic tube and electrical connector onto the recirculation canister from **Step 5**.

**Step 17:** Reinstall all parts removed in **Step 3**, using a 13mm socket.

**Step 18:** Reconnect battery.

**Step 19:** Installation is now complete. Enjoy and thank you for choosing aFe Power!

**Note:** legal in California only for racing vehicles which may never be used upon a highway.