



## INSTALLATION INSTRUCTIONS

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

**Intercooler  
46-20219-B**



### Parts Included:

- Intercooler Tube (x1)
- Coupling (x2)
- Clamp (x4)

### Tools Needed:

- 7 & 8mm nut drivers
- 11mm wrench
- Allen Wrench set
- Torx Wrench set
- Pick
- Flat head screw driver

**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:** Remove the engine cover along with the intake Y-pipe by loosening the (x3) clamps using a 7mm nut driver and disconnecting the sensor

**Step 3:** Disconnect the vent tube by squeezing the retaining clip and pushing it through to release it, then gently pull off of the intercooler tube.

**Step 4:** Disconnect the wire harness from the sensor and the factory intercooler tube.

**Step 5:** Remove the sensor for reuse in your new aFe intercooler tube, using a Torx socket.

**Step 6:** Loosen the clamp at the throttle body connection, using a 7mm nut driver and separate the coupling from the throttle body.

**Step 7:** Under the vehicle disconnect the pressure relief valve tube on the driver side of the vehicle right above the intercooler tube connection by twisting it a ¼ turn counter-clock wise, then gently pulling it back to separate it from the canister and twisting the entire tube out of the way.

**Step 8:** Use a small screwdriver to remove the wire retaining clip at the lower intercooler tube connection on the driver side of the vehicle.

**Step 9:** Pull the lower tube connection apart and remove the tube from the bottom of the vehicle.

**Step 10:** Place the small silicone coupler over the throttle body and secure it with one of the smaller supplied clamps, using an 8mm nut driver.

**Step 11:** Place the large 45° silicone coupling over the large end of the intercooler tube along with one of the large clamps, but do not tighten at this time.

**Step 12:** Install the factory retaining clip and O-ring onto the aFe aluminum adapter, then install the adapter onto the intercooler.

**Step 13:** Install the sensor removed from **Step 5** with the small screw provided, using an allen wrench.

**Step 14:** Place the 2nd large clamp on the coupling from **Step 11** and the last clamp onto the throttle body, then install the intercooler tube from the bottom of the vehicle.

**(Note: Insert into the throttle body first then onto the adapter on the intercooler.)**

**Step 15:** Ensure tube is not resting on any metal surfaces then tighten all clamps.

**Step 16:** Reinstall the relief valve tube from **Step 7**.

**Step 17:** Up top, slip the vent tube on until it clicks into place.

**Step 18:** Reconnect the sensor from **Step 4**

**Step 19:** Reinstall all parts from **Step 2**.

**Step 20:** Reconnect the sensor in the intake tube.

**Step 21:** Install is now complete.

**Step 20:** Enjoy and thank you for choosing aFe Power!