



## INSTALLATION INSTRUCTIONS

MAKE: Ford  
MODEL: F-150  
YEAR: 2011-2014  
ENGINE: V6-3.5L (tt)

### ***Intercooler Tubes*** **46-20128**



#### **Tools Needed:**

- 8mm nut driver
- 13mm & 15mm deep socket
- Flat head screw driver
- Panel popper

#### **Parts Included:**

- Intercooler tubes (x3)
- Coupling Silicone 2.5" (x1)
- Coupling Silicone 2" (x2)
- Clamp, 032 (x4)
- Clamp, 044 (x2)
- Nipple, Hose (x1)

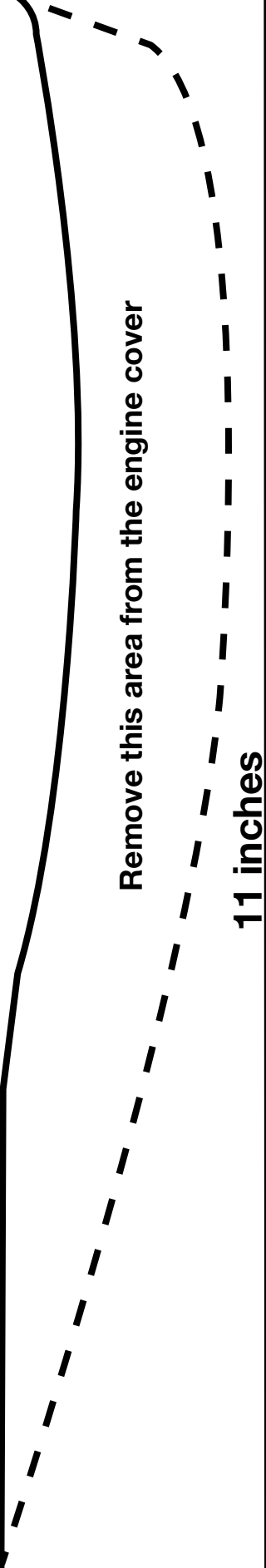
**CAUTION:** Allow time for your vehicle to cool down prior to installation. When working on or under your vehicle proceed with caution. Engine bays reach high temperatures and may cause serious burns. Wear protective safety equipment; eye goggles and gloves to ensure a safe installation. aFe recommends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

1. Park vehicle on level ground and engage parking brake.
2. Remove the two (2) nuts holding the plastic shield underneath the vehicle using a 15mm socket.
3. Remove the plastic clips holding the rubber cover behind the plastic shield removed in Step 2.
4. Loosen the clamps and remove the couplings that connect both of the hot side intercooler tubes to the intercooler.
5. Up top, remove the engine cover along with intake Y-pipe by loosening three (3) clamps using a 8mm nut driver and disconnecting the vacuum line.
6. Remove the vacuum line from the intercooler tube on the passenger side.
7. Loosen the clamp holding the tube onto the turbo using an 8mm nut driver, (accessed through the passenger side wheel well), then remove the tube from the vehicle.
8. Remove the bolt securing the driver side intercooler tube to the engine using an 8mm nut driver.
9. Loosen the clamp holding the tube onto the turbo using an 8mm nut driver, (accessed through the driver side wheel well), then remove the tube from the vehicle.
10. Wrap the supplied vacuum fitting threads with Teflon tape and install into the longer (passenger side) intercooler tube.
11. Install the supplied elbow coupling (with longer side connected to the tube), stock hump coupling, and clamps onto the aFe intercooler tube but do not tighten clamps.
12. Install the passenger side aFe intercooler tube into vehicle.
13. Use a small amount of WD-40 on the grommet for ease of installation.
14. Install the supplied elbow coupling (with longer side connected to the tube), straight coupling, and clamps onto driver side intercooler tube (with badge) - do not tighten clamps.
15. Install the driver side aFe intercooler tube into vehicle
16. Use a small amount of WD-40 on the grommet for ease of installation.
17. Install stock hump coupling and clamps onto the final intercooler tube on the more angled side of tube - do not tighten clamps.
18. Install tube from previous step into vehicle. Connect the stock coupling to the intercooler then connect to the tube installed in step 14 with straight coupling.
19. Ensure tubes are not resting on any metal then tighten all clamps on all aFe Intercooler Tubes.
20. Reinstall all parts removed in Steps 2, 3, & 5.
21. Reconnect both vacuum lines disconnected in Steps 5 & 6.
22. Installation is now complete.
23. Enjoy and thank you for choosing aFe Power!

**Note: It will be necessary to trim the engine cover using the templates provided.**



**Driver side of engine cover, face up**

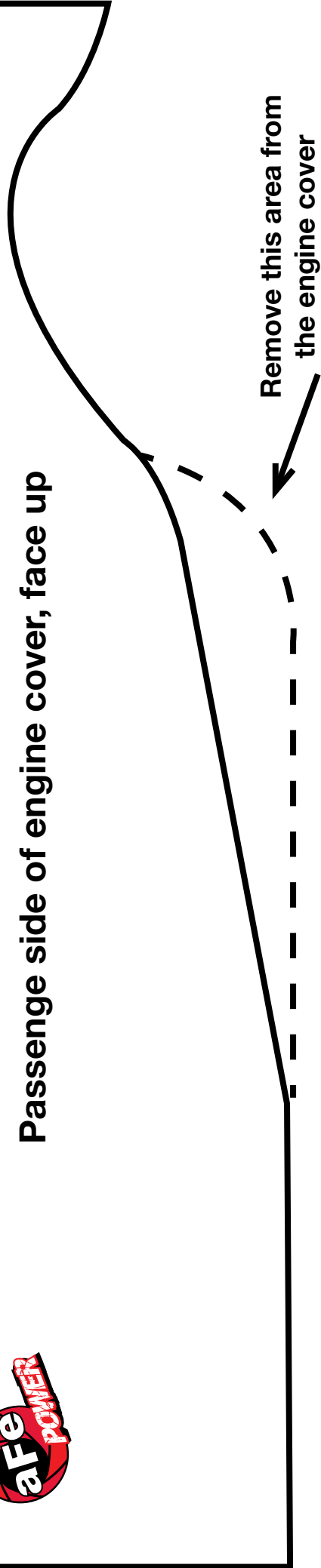


Remove this area from the engine cover

11 inches



**Passenge side of engine cover, face up**



Remove this area from the engine cover