

***advanced FLOW engineering***

**Instruction Manual P/N: 46-20071**

**Intercooler**

Make: **Ford** Model: **SUPER DUTY F250/350** Year: **2008-2010** Engine: **V8-6.4L (td)**



- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.
- Disconnect the negative battery terminal before proceeding.
- Retain factory parts for future use.

| Label | Qty. | Description                   | Part Number |
|-------|------|-------------------------------|-------------|
| A     | 1    | Intercooler                   | 05-60042    |
| B     | 3    | Rivet, Push-in ribbed plastic | 05-60055    |

Installation will require the following tools:

7/16" Wrench, 7/16" Deep Socket, 10mm Wrench, 10mm Deep Socket, Ratchet, Extension, Torque Wrench, Flat Head Screw Driver

Note: Legal in California for use on race vehicles only. The use of this device on vehicles used on public streets or highways is strictly prohibited in California and others states that have adopted California emission regulations.

A

B





Figure A

**Refer to Figure A for steps 1-3**

Step 1: Loosen clamps on hump hose (1) on the front passenger side of vehicle.

Step 2: Remove the fuel cooler radiator (2) from the stock intercooler and retain the screws for reuse. Lift the fuel cooler radiator to clear the lower slot bracket and set to the side.

Step 3: Remove the two upper screws (3) that attach the stock intercooler to the radiator grille support.



Figure B

**Refer to Figure A and B for steps 4-6**

Step 4: Loosen clamps on hump hose (4) on the front driver side from under the vehicle. Disconnect the hump hose from the stock intercooler.

Step 5: Disconnect hump hose (1) from the stock intercooler on the front passenger side of the vehicle.

*CAUTION: support the stock intercooler to prevent it from falling forward.*

Step 6: Remove the stock intercooler (5) from the vehicle.



**Refer to Figure C for steps 7-9**

Step 7: Remove the screws to disconnect the A/C condenser (6) from the radiator. Raise the A/C condenser on the driver side to provide clearance when installing the aFe intercooler.

Step 8: Remove the air deflector on the bottom of the stock intercooler.

Step 9: Install the air deflector on the bottom of the aFe intercooler using supplied push-in rivets (B)

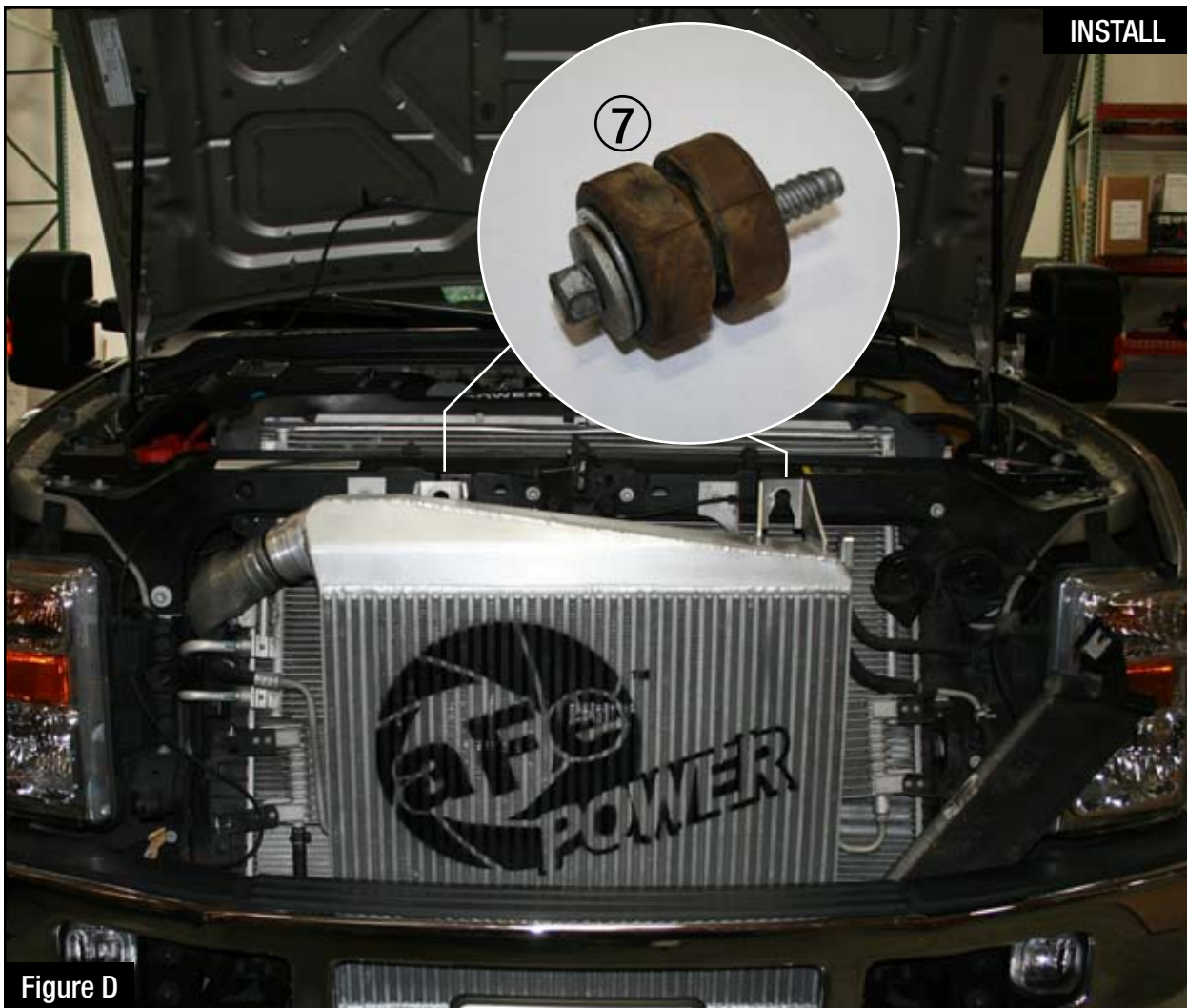


Figure D

**Refer to Figure D for steps 10-12**

- Step 10: Remove the rubber grommets (7) from the upper brackets of the stock intercooler. Install them on the aFe intercooler.
- Step 11: Confirm that both lower rubber mounts are still in place on the vehicle. If not, remove them from the stock intercooler and install them in the rubber mount location on the vehicle.
- Step 12: Install aFe intercooler (A) into vehicle. Slide bottom outlet into place first by tilting the intercooler.  
*CAUTION: Ensure that the bottom pegs are properly in place. The air deflector on the radiator may need to be lifted for proper installation.*



**Figure E**

**Refer to Figure E for steps 13-17**

Step 13: Fasten the top of the aFe intercooler to the radiator grille support with the stock screws and torque to 16 ft.-lbs..

Step 14: Reinstall the A/C condenser to the radiator, torque to 9 ft.-lbs..

Step 15: Reinstall the fuel cooler radiator to the aFe intercooler by sliding the bottom support tab into place and fasten using the stock screws, torque to 9 ft.-lbs..

Step 16: Reconnect both hump hoses to the aFe intercooler, torque clamps to 9 ft.-lbs..

Step 17: Reconnect the negative battery cables and the aFe intercooler installation is now complete.