



INSTALLATION INSTRUCTIONS

MAKE: Ford
MODEL: Diesel Trucks
YEAR: 1999-2003
ENGINE: V8-7.3L (td)

**Intercooler
46-20091**



Parts Included:

- Intercooler
- Plug, Hex (X4)
- Screw, M8x1.25x12 (X2)
- Coupling (X2)
- Clamp, Spring 3.75" (X2)
- Screw, M6x1x16 (X2)
- Nut, Hex (X2)
- Clamp, Spring 3.5" (X2)
- Cap, Vinyl 3-3/8" (X2)
- Washer, M6 (X4)
- Washer, Flat 3/8" AN (X2)
- P/S Cooler Bracket (X2)

Tools Needed:

- Panel Popper
- 8mm & 10mm Socket
- 10mm Deep Socket
- 7/16 Deep Socket
- 6mm Allen Wrench
- Extensions
- Flat Head Screwdriver

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 a level ground and engage parking brake.
2. Disconnect both batteries and air temp sensor from air box.
3. Remove bolts mounting coolant reservoir.
4. Remove rubber cover, air box, top radiator mounts, core support, intercooler couplings from intercooler, and stock intercooler.
5. Remove rubber mounting supports from the stock intercooler and install them on the aFe intercooler.
6. **Only for trucks with the raised transmission cooler lines coming out of the transmission cooler located underneath the intercooler: Remove mounting bolts on transmission cooler and power steering cooler and install brackets supplied:**
7. Straight brackets go on top mounts of transmission cooler. Mount the allen bolt provided from the back of the OE mounting location using the threaded portion of the bracket as a spacer, as shown in figure A.
8. Use the second set OE mounting holes on transmission cooler for the lower mounts. Shown in Figure B
9. Angled brackets go on power steering cooler. Shown in Figure B



Figure A



Figure B

10. Install aFe intercooler with couplings and clamps then tighten clamps until spring is compressed completely.
11. Ensure all clamps are tight. Install all parts removed in step 3.
12. Reconnect all components disconnected in step 2.
13. Install is now complete.