

# INSTALLATION INSTRUCTIONS



## 46-10061 Ford Trucks 99.5-03 V8-7.3L (td)

Read these instructions carefully before proceeding to install system. Verify the components below with the actual contents. Insure you have the tools and expertise required to install this system.

PN: 46-10061

Make: Ford

Model:	Year:	Engine:
F-250	99.5-03	7.3L (td)
F-350	99.5-03	7.3L (td)
F-450	99.5-03	7.3L (td)
F-550	99.5-03	7.3L (td)

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### Required Tools:

- 3/16" allen wrench
- 7/16" deep socket wrench
- 8mm socket
- 10mm socket or wrench
- 9/16" socket
- 5/16" nut driver
- 13mm wrench
- Adjustable wrench
- ratchet & extension
- flat blade screwdriver
- philips screwdriver
- pliers
- teflon pipe sealant tape

### NOTE:

- Failure to follow installation instructions and not using the provided hardware may damage the system.
- Retain your stock intake manifold in the event you wish to return vehicle to stock status.

### PARTS LIST:

Description	Qty	Part #
A Turbo Outlet Manifold	1	05-60030
B Intake Manifold	1	05-60031
C Bracket	1	05-60032
D Hex Socket Plug, 1/8" NPT	6	03-50029
E Hex Head Cap Screw	2	03-50212
F Hex Flange Head Screw	1	03-50182
G Brass Hose Nipple	1	03-50191
H 90° Brass Hose Nipple	1	03-50213



1- View of stock turbo outlet/ intake manifold. Disconnect the negative (-) battery terminals before installation.



5- Using a 10mm wrench, remove the heating element wires.



2- Remove the boost control module using a 8mm wrench or socket.



6- With an adjustable wrench, remove the heating element.



3- Disconnect the rubber boot/ hose.



7- Once removed, put the heating element to the side for later install.



4- Disconnect the temp sensor.



8- Remove the temp sensor from the lower manifold using a 13mm wrench and put aside for later install.



25- Now that you have the manifold in its desired location, tighten both sides of the lower manifold coupling clamps.



29- Once the manifold is in its desired position, firmly tighten down the turbo V-band clamp.



26- Slide the intercooler tube coupling onto the manifold, then tighten clamp. Torque to 9 Ft. Lbs.



30- Install the hot side intercooler tube coupling onto the turbo manifold. Torque clamp to 9 Ft. Lbs.



27- Now reinstall the lower manifold wires and hoses that you disconnected in steps #3, #5, and #9.



31- Now reinstall the boost control module. Reconnect battery.



28- Position the turbo outlet manifold onto the turbo evenly and secure with the V-band clamp.



32- Your installation is now complete. Please check all components and retighten if necessary. Thank you for choosing aFe Power!



9- Using pliers to squeeze the clamp tabs, remove the rubber hose from the lower intake manifold fitting.



13- Loosen both upper clamps on the Y-inlets of the stock intake manifold as seen in this photo and also in step 14.



10- Using a flat head screw driver or 5/16" nut driver, remove the turbo manifold V-band clamp.



14- If needed, replace the couplings with Ford part number F81Z 6C640-FA available from your local dealer.



11- Loosen the clamp holding the manifold to the intercooler tube return side using a 7/16" deep socket.



15- Pull the manifold out of the vehicle and be careful not to let anything fall into the plenum openings.



12- Loosen the clamp holding the turbo outlet coupling to the intercooler tube using a 7/16" deep socket.



16- Locate the bracket mounting holes that are located directly under these two intake couplings. The holes are on the top of the motor as shown in Step 17.



17- Use 3/8 - 16 tapped holes on the motor for the mounting support bracket.



21- Install the heating element and temp sensor into the manifold and, last install the brass hose nipple. Torque all items to 16 Ft. Lbs.



18- Install the manifold support bracket onto the top of the motor with 3/8 - 16 hex head cap screws supplied. Torque screws to 18 Ft. Lbs.



22- Connect the temp sensor before setting the manifold into the couplings.



19- Using teflon pipe sealant tape, wrap a thin layer around the threads of each component.



23- Once the manifold is in position, adjust the clamps to the desired location that makes them easiest to access.



20- Install all 6 plugs and the 90 degree fitting elbow into the manifolds, then install the band clamp from the stock Y-inlet manifold.



24- Line up the lower manifold with the support bracket and install the hex flange head screw supplied.

# PERFORMANCE DATA



## 46-10061 Ford Trucks 99.5-03 V8-7.3L (td)

Intake Manifold

Stock Manifold

Turbo Outlet Manifold



+18.3% flow gain

+14.8% flow gain

