



Honeywell Garrett Direct Fit Performance Intercooler 2015+ 3.5L / 2.7L Ford F150 EcoBoost

Bill of Materials and Precautions

Application: 2015+ Ford F150 3.5L / 2.7L Eco Boost

Part Number: 870702-6001

Part List:			Tools Needed
Item	Description	QTY	<ul style="list-style-type: none">• Ratchet and metric sockets: 7, 8, 13• Socket extensions, various sizes• Screwdrivers and pick tools: flat blade and Phillips, various sizes• Floor jack and 2 jack stands rated for weight of vehicle, or vehicle lift
1	Intercooler	1	
2	Blow off valve screw	1	
3	CARB Sticker	1	

IMPORTANT INFORMATION - PLEASE READ CAREFULLY

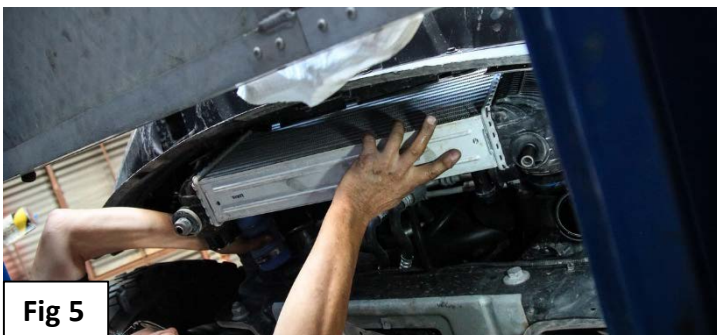
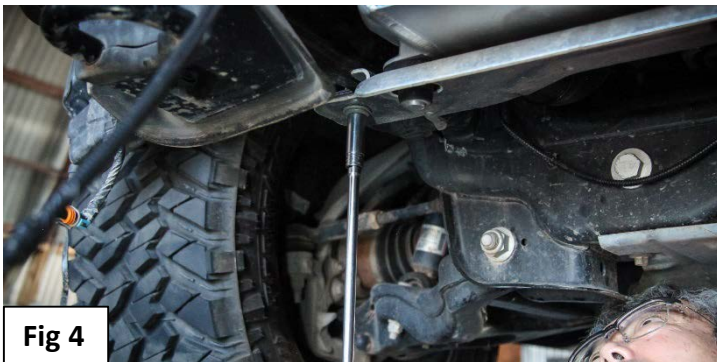
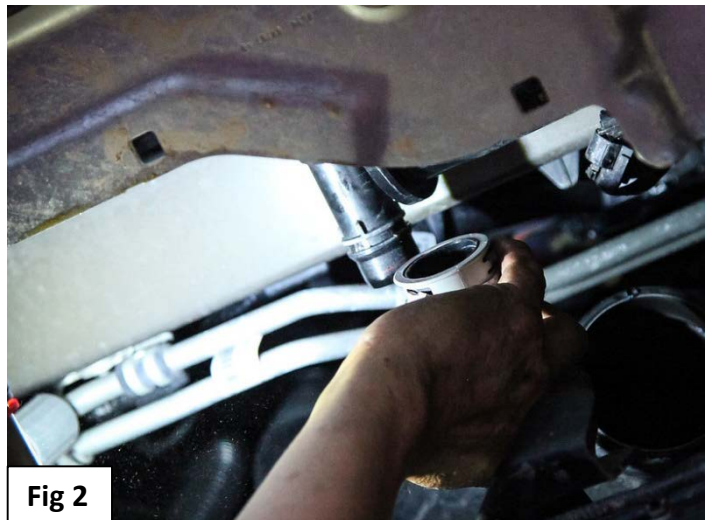


We recommend that this Garrett product be installed by a qualified automotive technician. If you have any doubts as to your ability to install this product, consult with a local automotive repair company. Please be sure to carefully read all of the attached instructions prior to starting the installation process. Prior to the Garrett product installation, be sure that the vehicle is parked on a level surface and the engine is cool. Engine fluids and components can be extremely hot following normal vehicle operation. Avoid direct contact of engine fluids or components with your skin which may cause personal injury.

Installation Instructions

Remove factory Intercooler:

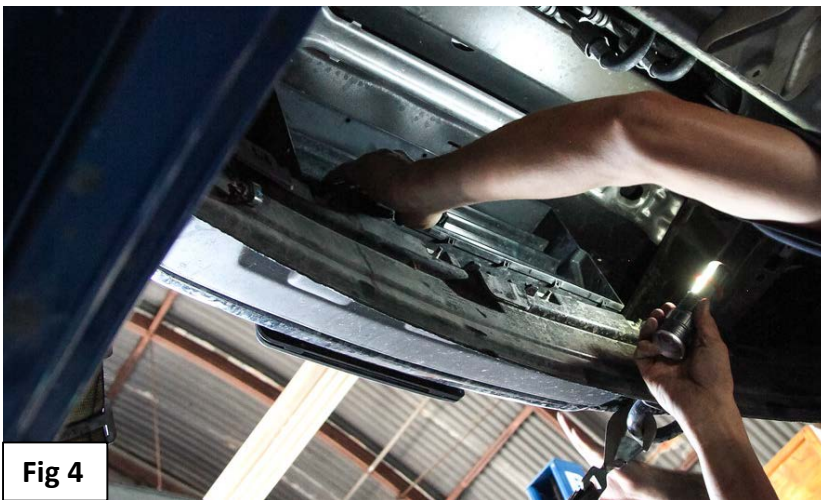
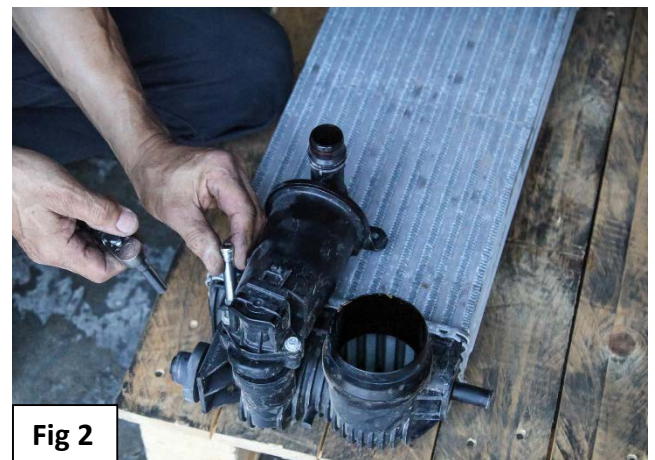
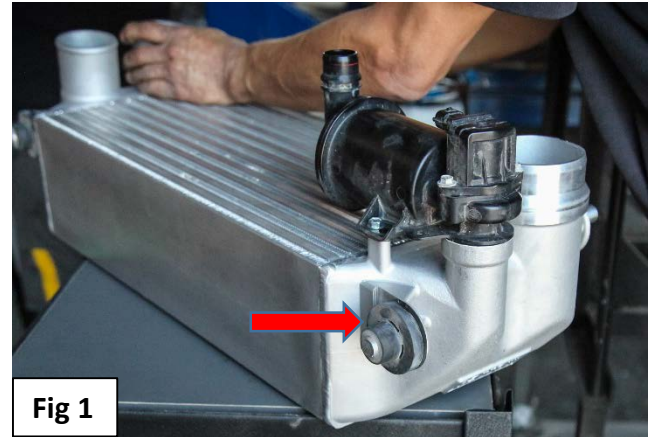
1. Remove the blue rubber boots from the intercooler inlets. (4) 7mm worm gear clamps. (Fig 1)
2. Disconnect the recirculation tube from the blow off valve (Fig 2)
3. Disconnect intercooler outlet tube by removing the clip ring on the cold side. Separate the connection (Fig 3)
4. Remove bolts securing the lower intercooler bracket (2) 13mm bolts (Fig 4)
5. Remove intercooler (Fig 5)



Installation Instructions

Prep core and engine compartment for installation:

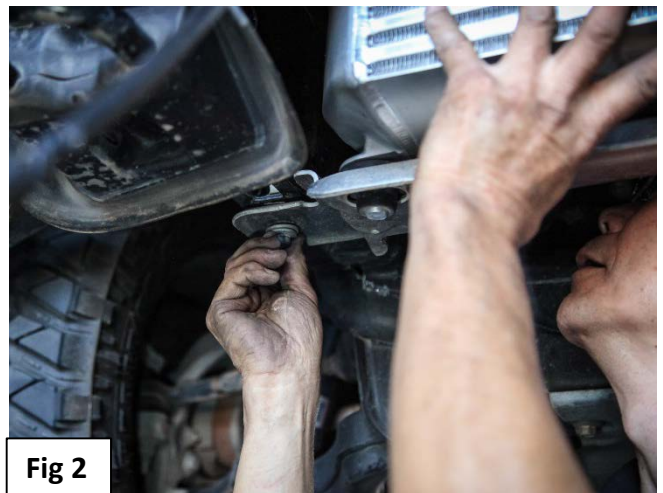
1. Remove rubber bushings from the stock intercooler and place on corresponding posts of Garrett intercooler. (4) bushings (Fig 1)
2. Remove and discard the bolt that secures the blow off valve to the stock intercooler. Rotate the BOV counter clockwise to release it from the port. (1) 8mm bolt (Fig 2)
3. Lubricate the BOV o-ring, then insert into the intercooler valve port with the guides aligned. Rotate clockwise until tab is aligned with the bolt bracket. Install the supplied (1) 6mm bolt (Fig 3)
4. Remove and discard the intercooler shroud using a pick tool. De-couple connections from the bottom and work around the entire shroud area until it can be removed. (Fig 4)



Installation Instructions

Install Garrett performance intercooler core:

1. Place Garrett core on lower intercooler bracket and insert assembly between the frame rails into the stock location. Ensure the upper bushings are inserted into the correct locations. (Fig 1)
2. Tighten (2) 13mm bolts to secure lower intercooler bracket to the frame. (Fig 2)
3. Lubricate o-ring then attach recirculation tube to the blow off valve. (Fig 3)
4. Lubricate o-ring then attach intercooler outlet hose to the intercooler outlet flange and secure the clip ring. (Fig 4)
5. Attach the blue rubber boots to the intercooler inlet ports. (4) 7mm worm gear clamps. (Fig 5)



Installation Instructions

Inspection and Drain Plug feature:

1. Double check all connection points to ensure tight air seal. Leaks can affect the performance of the vehicle. With the engine on, and at idle, and the truck in park, use your hand to check for any air leaks at both inlet ports, recirculation tube, outlet tube and the blow off valve connection to the intercooler.
2. This intercooler is outfitted with a drain plug at the bottom of the outlet side end tank. This drain plug can be removed to relieve any condensation buildup in the intercooler. This is a common problem with the F150 vehicle in some regions of the country. To remove bolt use 3/8 open ended wrench. (Fig 1)
3. Test for condensation:
 1. Remove drain plug.
 2. Turn engine on, leave at idle, and the truck in park. Place a catch can under the opening and monitor for fluid. If fluid is present, gently rev the engine several times to dispel the liquid. Be sure to dispose of the fluid with your local waste management facility.

