

Garrett Drop-in Intercooler for 2.3L Mustang

Bill of Materials and Precautions

Application: 2015+ Ford Mustang 2.3L EcoBoost

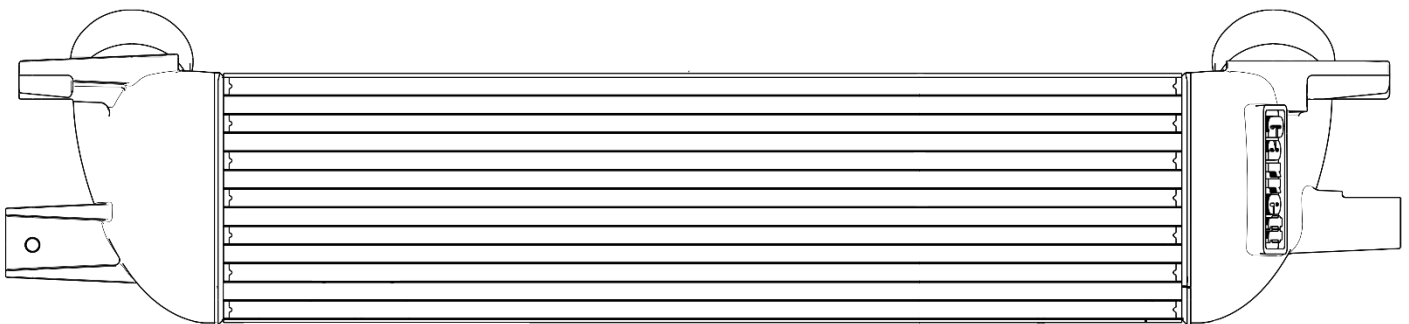
Part Number: 857564-6001

Part List:			Tools Needed
Item	Description	QTY	<ul style="list-style-type: none"> • Ratchet and metric sockets: 5.5, 7, 8, 10, 14, 17 • Socket extensions, various sizes • Screwdrivers: flat blade and Phillips, various sizes • Floor jack and 2 jack stands rated for weight of vehicle, or vehicle lift
1	Intercooler	1	
2	MAP sensor bolt	1	
3	Set Screw	1	
4	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. If you have any questions about the enclosed parts or the instructions, call the distributor that you purchased the kit from for clarification. 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.



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Import Information – Please Read Carefully

Return Policy Only unused and complete merchandise will be accepted for return subject to inspection and acceptance by Garrett Advancing Motion. No goods will be accepted without prior return authorization from Garrett Advancing Motion. No returns are accepted after thirty (30) days from original ship date from Garrett. All accepted returns are subject to a 20% restocking charge - NO EXCEPTIONS.

Damaged Shipments The customer must file a claim with the shipping company if goods arrive in a damaged condition. The customer must also notify the distributor from which the goods were purchased with pertinent information.

Refused Shipments Sending a shipment back to The Garrett Garage (or Garrett) does not automatically give rise to a complete refund or credit. Garrett Advancing Motion may, at its sole discretion require different payment means for any shipment refused and then reshipped. It is the customer's responsibility to make all arrangements with Garrett Advancing Motion for disposition of refused shipments.

Shortage or Discrepancy Claim Shortage or Discrepancy claims must be reported within forty-eight (48) hours of receipt of goods to the distributor from which the goods were purchased. The Garrett distributor will determine the best solution on how to address shortages or discrepancies.

Limited Warranty Garrett Advancing Motion warrants to the original purchaser of its Turbocharger Products that such Turbocharger Products will, for a period of 1 year from date of shipment and subject to the Limitations on Warranty, be free from defects in materials and workmanship. For approved warranty claims Garrett Advancing Motion will, at its sole discretion, either credit the original purchaser in an amount equal to the original purchase price, or replace the applicable product free of charge, within 60 days of Garrett Advancing Motion's approval. This is purchaser's sole and exclusive remedy and provides the complete financial responsibility of Garrett Advancing Motion for a warranty claim. To be eligible for reimbursement, Customer must (a) submit all warranty claims to Garrett Advancing Motion within 30 days of the discovery of the alleged product defect; and (b) complete and return a Returned Material Authorization Form. Consumers are required to work through Garrett's distributors in order to process any warranty claims. When Garrett Advancing Motion requires the examination of a failed part, Garrett Advancing Motion will promptly notify Customer and will await receipt of the failed part before further processing the warranty claim. If Garrett Advancing Motion ultimately determines that the failed part is covered under the Limited Warranty, Garrett Advancing Motion will reimburse Customer for the actual cost of ground shipment for any part found to be defective.

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Limitations on Warranty The Limited Warranty does not apply to any parts: (a) not used in accordance with Garrett Advancing Motion's written instructions (b) for which no fault is found; (c) that have been modified in any manner not specifically approved by Garrett Advancing Motion; (d) for which an inspection indicates that reasonable and proper installation and/or preventative care and maintenance has not occurred; (e) that have been subject to damage attributable to or caused by misuse, abuse or vandalism; mishandling, improper shipping or other transit related damage; acts of god or insurrection; foreign object entry; any part not supplied by Garrett Advancing Motion; any repair, maintenance or service by anyone other than Garrett Advancing Motion; or any other acts that are beyond Garrett Advancing Motion's reasonable control; or (f) attributable to parts not supplied by Garrett Advancing Motion expressly disclaims any and all warranties relative to the foregoing circumstances.

Garrett Advancing Motion shall not be liable to Customer under any circumstances for any special, incidental or consequential damages, including without limitation, damage to or loss of property other than for Thermal Products; damages incurred in installation, repair or replacement; lost profits, revenue or opportunity; loss of use; losses resulting from or related to downtime of Thermal Products; the cost of replacement transportation, power, or compression; the cost of substitute products; or claims of third parties for such damages, howsoever caused, and whether based on warranty, contract, and/or tort (including negligence, strict liability or otherwise).

The Limited Warranty is the only warranty made by Garrett Advancing Motion for any of its thermal related parts and/or services, and is in lieu of and excludes all other warranties, expressed or implied, including warranties of merchantability or fitness for a particular purpose. Garrett Advancing Motion hereby disclaims all other warranties not expressly set forth. Some jurisdictions do not allow for the exclusion of implied warranties, so the above exclusions may not apply to you, however if implied warranties do apply they are limited to the original purchaser and for a period of one (1) year from the date of shipment.

Diagnosing Your Vehicle Do not rely on diagnostic software without seeking the advice of an ASE certified mechanic. Diagnostic software should only be used as a general guideline to help you facilitate the repair of your car. If you experience or suspect any malfunction of vital safety equipment, such as your brakes, exhaust, motor, transmission, fuel delivery system, your car's structural integrity or any other potentially life threatening malfunction, cease

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Other Precautions Observe all safety precautions and warnings contained in the installation instructions. Wear eye and ear protection and appropriate protective clothing. When working under or around the vehicle support it securely with jack stands. Use only the proper tools. Exercise extreme caution when working with flammable, corrosive, and hazardous liquids and materials.

Legal Information You are responsible for ensuring that the use of this product complies with all applicable federal, state or local laws, regulations and ordinances. This product may also be used on racing vehicles that will never be driven on public roads or highways.

Contact Information for Questions Please contact the Garrett distributor from which the equipment was purchased for any questions regarding this Shipping/Returns/Cancellation Policy, for notifications to Garrett Advancing Motion, and for instructions on processing damaged shipments and authorized returns.

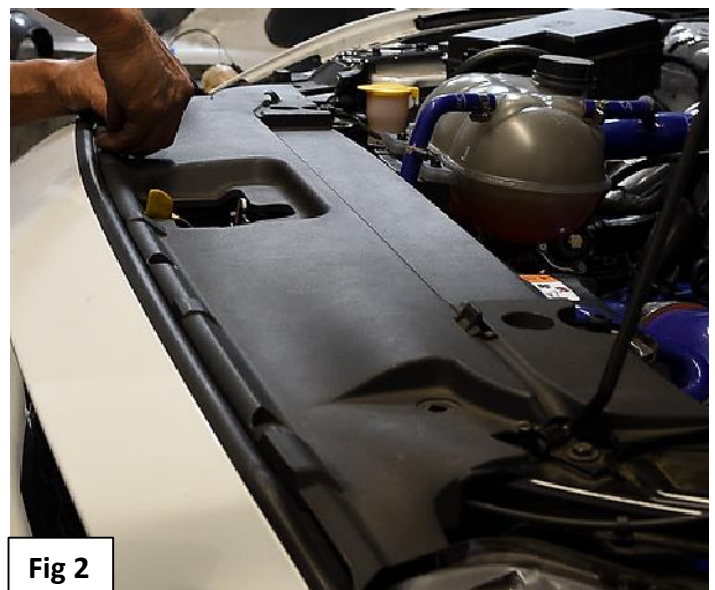
Important Product Information: Garrett Vehicle Specific Intercoolers are professional aftermarket products only designed for certain vehicles. Any vehicle modifications using Garrett Vehicle Specific Intercoolers are AT YOUR OWN RESPONSIBILITY and AT YOUR OWN RISK. Only use Garrett Vehicle Specific Intercoolers in compliance with all applicable laws, regulations and ordinances (including but not limited to emission, noise, operating license, performance, safety and type-approval aspects). A vehicle modification using Garrett Vehicle Specific Intercoolers may particularly affect or void a vehicle's warranty, operating license or type-approval. You should particularly consult the owner's manual and service manual of your vehicle. You should also contact your vehicle's manufacturer to determine what effects modifications may have on important aspects such as safety, warranty, performance etc.

Garrett Advancing Motion, Inc.
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www.GarrettMotion.com

Installation Instructions

Remove the front bumper

1. Remove the front lower plastic under tray. There are a total of (6) rivet clips, (14) 7mm bolts, and (2) 5.5mm bolts. Detach the inner fender liner from the bumper by removing the (4) rivet clips and (6) 8mm screws. (Fig. 1)
2. Separate the fender liner and remove the (1) 7mm bolt from each side.
3. Open the hood and remove the plastic air diversion panel by removing the (8) rivet clips. (Fig. 2)
4. Remove (6) 8mm bolts securing the upper bumper. (Fig. 3)
5. Unclip the bumper from the vehicle by pulling the side corners out first, and then lifting the top holes up off the pegs. Once the bumper is loose, unclip the six wire harnesses for the turn signals, headlights, and fog lights. Remove the bumper. (Fig. 4)

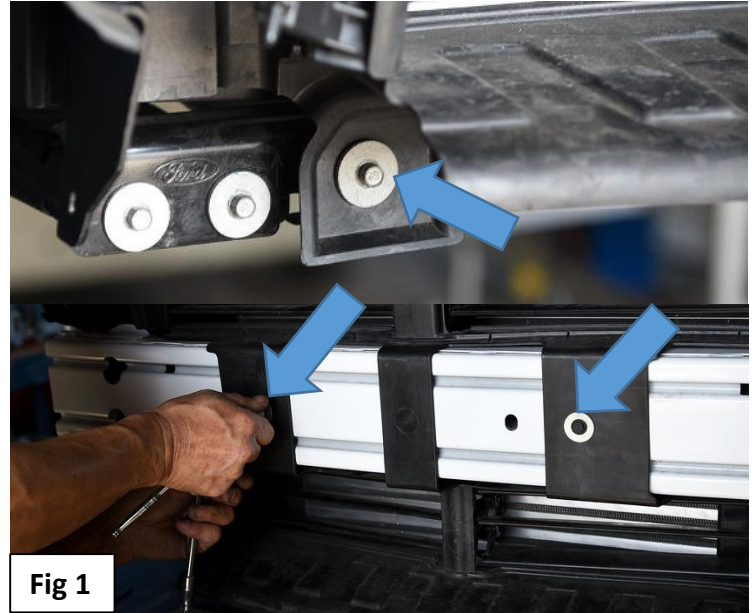


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Installation Instructions

Remove the active grill shutter assembly

1. Remove the (2) rivet clips from the upper bracket, the (2) 8mm bolts that hold the lower air dam in place, and the (2) 8mm bolts in the middle of the support. (Fig.1)
2. Detach the temperature sensor. (Fig. 2)
3. Detach the clip to free the active grill shutter arm. (Fig. 3)
4. Disconnect the wire harness for the air shutter motor and remove the active grill shutter assembly. (Fig. 4)

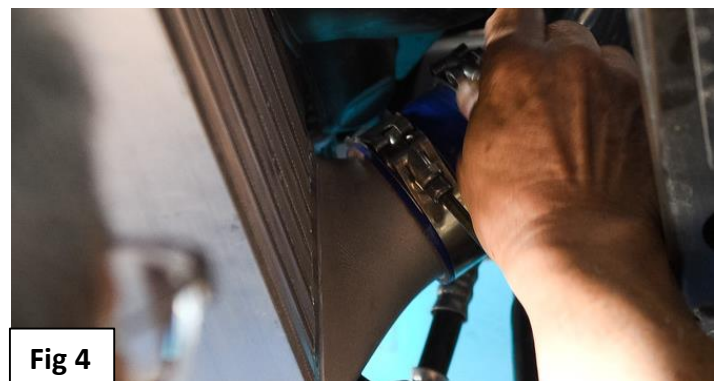


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Installation Instructions

Remove the OEM intercooler

1. Remove the front C member. (4) 8mm bolts. (Fig. 1)
2. Remove the radiator stays. (4) 10mm bolts. (Fig. 2)
3. Remove impact bar. (8) 14mm bolts. (Fig. 3)
4. Loosen the OEM hose clamps on the inlet and outlet ports of the intercooler and disconnect the couplers and pipes from the intercooler. (Fig. 4)
5. Disconnect the MAP sensor on the driver side of the intercooler.
6. Remove the (1) 10mm bolts from each sides of the intercooler brackets. (Fig. 5)
7. Detach the plastic cover from the intercooler and move to the side. (Fig. 5)
8. Lift the intercooler off the mounting tabs and carefully remove the intercooler from the car. (Fig. 6)



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Installation Instructions

Install the Garrett Intercooler

1. Remove the MAP sensor from the stock intercooler with a T25 torx bit and install it on the Garrett intercooler using the OEM O-ring. (Fig 1)
2. Insert the intercooler into the compartment and set on the hanger brackets. (Fig 2)
3. Align the hot and cold air pipes with the intercooler inlet and outlet ports. (Fig 3)
4. Tighten the (2) 10mm bolts on each side of the intercooler hanger brackets to secure the intercooler. (Fig 3)
5. Attach the hot and cold air couplers to the inlet and outlet ports of the intercooler and tighten the hose clamps. (Fig 4)
6. Connect the MAP sensor on the driver side of the intercooler.

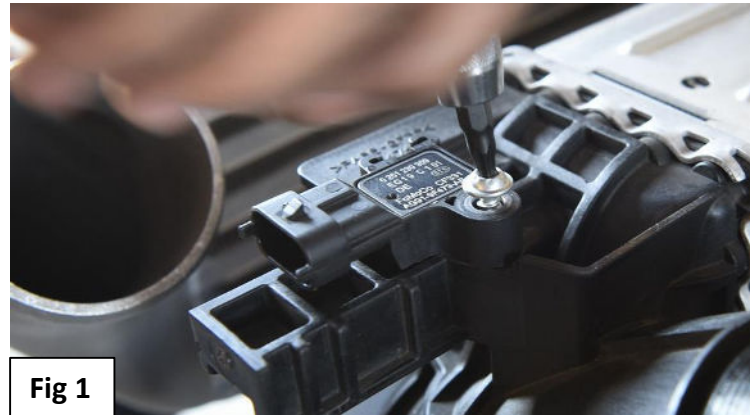


Fig 1

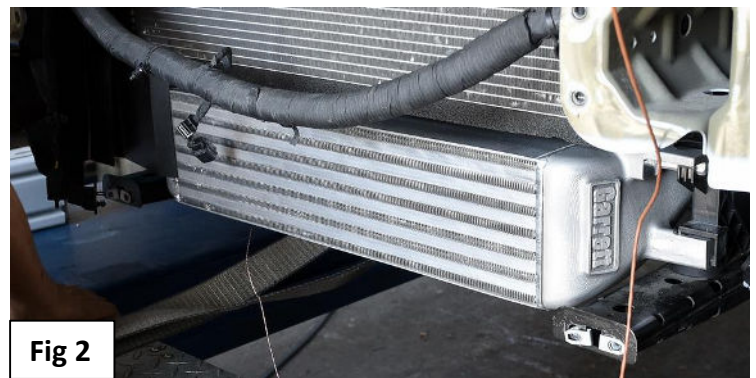


Fig 2



Fig 4

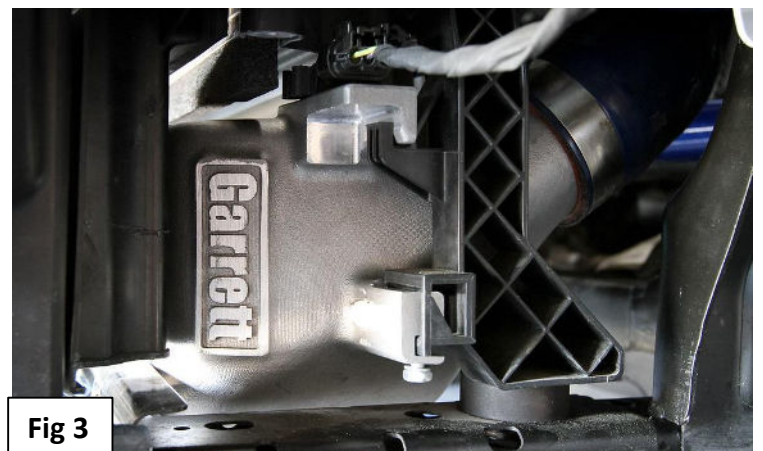


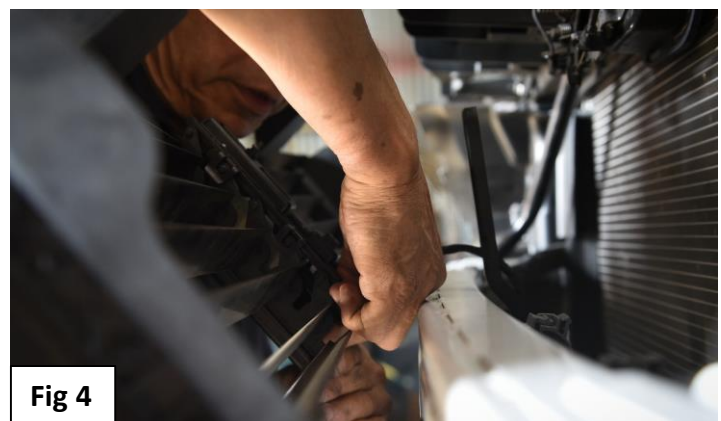
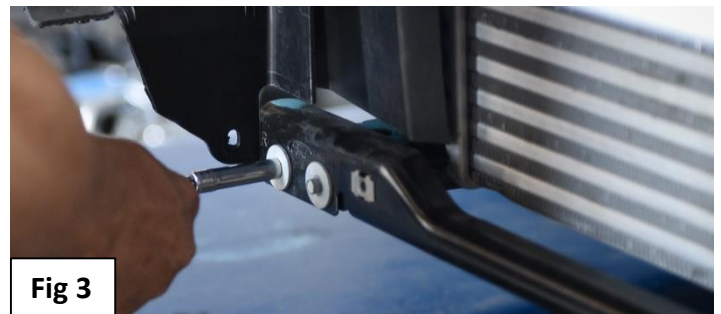
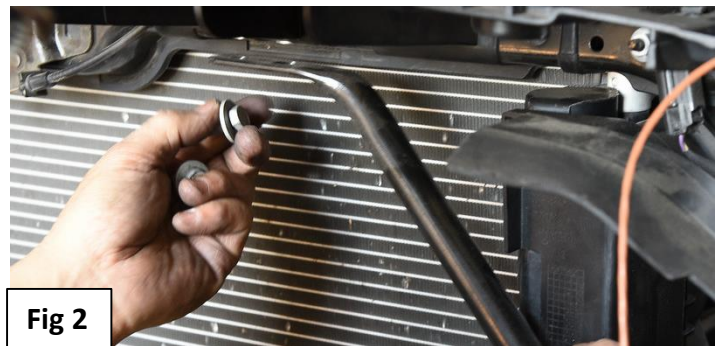
Fig 3

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Installation Instructions

Install the active grill shutter assembly

1. Install impact bar. (8) 14mm bolts. (Fig 1)
2. Attach both radiator stays. (4) 10mm bolts. (Fig 2)
3. Install the front C member. (4) 8mm bolts. (Fig 3)
4. Attach the plastic cover to the side of the intercooler.
5. Connect the wire harness for the air shutter motor. (Fig 4)
6. Attach the clip to secure the assembly to the active grill shutter arm. (Fig 5)
7. Attach the temperature sensor. (Fig 6)
8. Install the (2) rivet clips to the upper bracket, the (2) 8mm bolts that hold the lower air dam in place, and the (2) 8mm bolts in the middle of the support.



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Installation Instructions

Install front bumper

1. Attach the six wire harnesses for the turn signals, headlights, and fog lights. Attach the bumper to the vehicle by aligning top holes with the mounting pegs and the slots near the headlight housing. (Fig 1, 2)
2. Double check for pinched wires and correct alignment.
3. Attach the (6) 8mm bolts securing the upper bumper. (Fig 3)
4. Attach the plastic air diversion panel with the (8) rivet clips. (Fig 4)
5. Separate the fender liner and attach the (1) 7mm bolt from each side.
6. Attach the front lower plastic under tray. There are a total of (6) rivet clips, (14) 7mm bolts, and (2) 5.5mm bolts. Connect the inner fender liner by attaching the (4) rivet clips and (6) 8mm screws. (Fig 5)

