WHIPPLE CRUSHER INDUCTION INSTALLATION MANUAL

2021-2025 FORD 5.0L F150

PART NUMBER: 50-70014, 50-70014-CF

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PREMIUM FUEL ONLY (91 OCTANE OR BETTER ALWAYS) RON+MON/2

CALIFORNIA AIR RESCOURCE BOARD EXECUTIVE ORDER #D-231-159

INTRODUCTION

Please read the installation manual and verify that all items are present. If you are missing hardware or have any questions, please contact your dealer or Whipple Superchargers.

RECOMMENDED TOOLS AND SUPPLIES

The following items are not included in this supercharger kit and it is strongly recommended that they're used for ease of installation or maximum performance:

Tools
5/16" nut driver or socket
Small wire cutters
Trim removal tool
Flat head screwdriver

SAFETY PRECAUTIONS

CAREFULLY READ THE IMPORTANT SAFETY PRECAUTIONS AND WARNINGS BEFORE PROCEEDING WITH THE INSTALLATION!

Appropriate disassembly, assembly methods and procedures are essential to ensure the personal safety of the individual performing the kit installation. Improper installation due to the failure to correctly follow these instructions could cause personally injury or death. Read each step of the installation manual carefully before starting the installation.

- Always wear safety glasses for eye protection.
- Place the ignition switch in the off position.
- Always apply the parking brake when working on vehicle.
- Block the front and rear tire surfaces to prevent unexpected vehicle movement.
- Operate the engine only in well-ventilated areas to avoid exposure to carbon monoxide.
- Do not smoke or use flammable items near or around fuel system.
- Use chemicals and cleaners only in well-ventilated areas.
- Batteries can produce explosive hydrogen gas which can cause personal injury. Do not allow flames, sparks or flammable sources to come near the battery.
- Keep hands and any other objects away from the radiator fan blades.
- Keep yourself and your clothing away from moving parts when the engine is running.
- Do not wear loose clothing or jewelry that can be caught in rotating or moving parts.

WARNING

*****NOTICE**: Installation of Whipple Supercharger products signifies that you have read this document and have agreed to the terms stated within.*

It's the purchaser's responsibility to follow all installation instruction guidelines and safety procedures supplied with the product as it's received by the purchaser to determine the compatibility of the product with the vehicle or the device the purchaser intends to install the product on.

Whipple Superchargers assumes no responsibility for damages occurring from accident, misuse, abuse, improper installation, improper operation, lack of reasonable care or all previously stated reasons resulting from incompatibility with other manufacturer's products.

There are no warranties expressed or implied for engine failure or damage to the vehicle in any way, loss of use or inconvenience or labor reimbursement. This includes merchantability and fitness.

The information contained in this publication was accurate and in effect at the time the publication was approved for printing and is subject to change without notice or liability. Whipple Superchargers reserves the right to revise the information presented herein or to discontinue the production of parts described at any time.

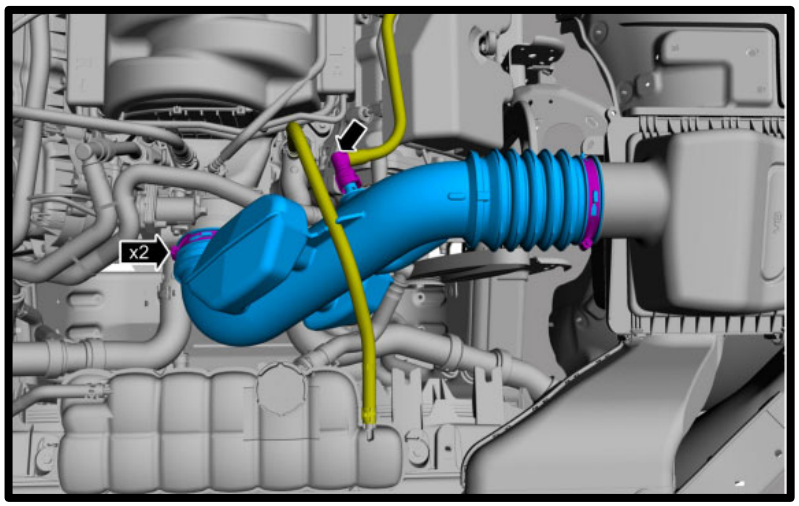
INSTALLATION INSTRUCTIONS

It is strongly recommended that you read through this guide **before** you begin installing your performance parts.

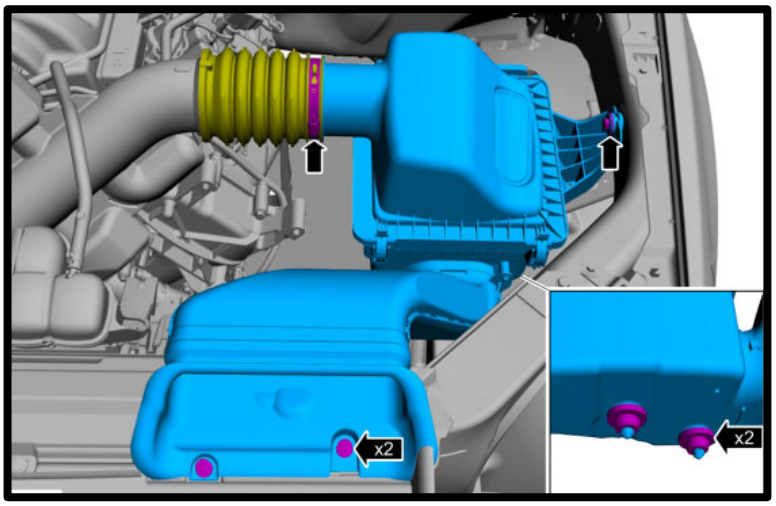
1. Using an air hose, blow off any loose dirt or debris from the engine compartment. If dirty, then steam clean the engine compartment before proceeding to the next step.

WARNING Do not smoke or carry lighted tobacco or open flame of any type when working on or near any fuel-related components. Highly flammable mixtures are always present and can be ignited, resulting in personal injury.

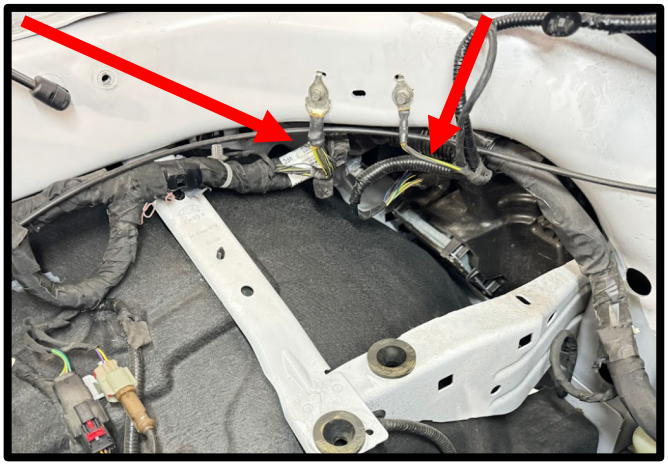
2. Position aside the coolant vent hose. Disconnect the LH crank case ventilation hose from the air tube. Loosen clamps from intake tube.



3. Loosen the clamp from the intake tube to airbox. Remove the (1x) bolt and (2x) push pins. Lift air cleaner assembly up and away from vehicle.

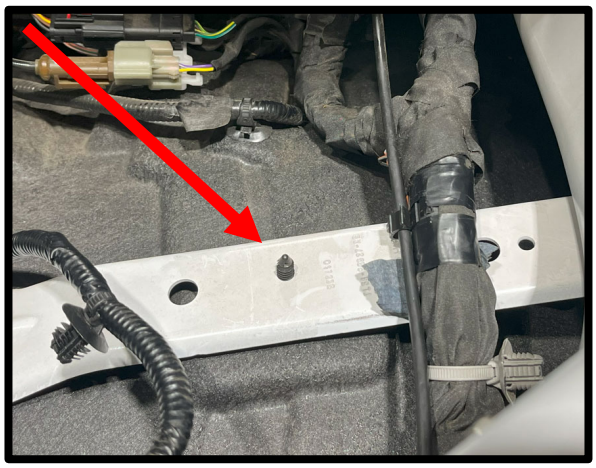


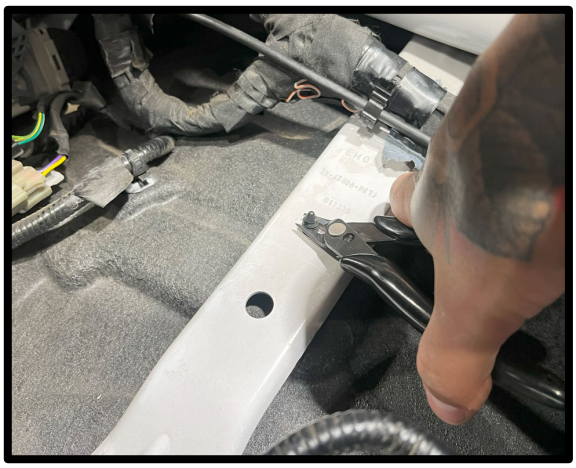
4. Lightly bend the (2x) ground wire so it goes below the frame. **NOTE:** Failure to do so will rub airbox and push airbox towards firewall and cause fitment issues.



5. Remove wiring loom plastic retainer from vehicle to relax the wiring harness.

6. Cut the plastic push pin coming up from the **LH** inner fender so it only has .125” protruding.

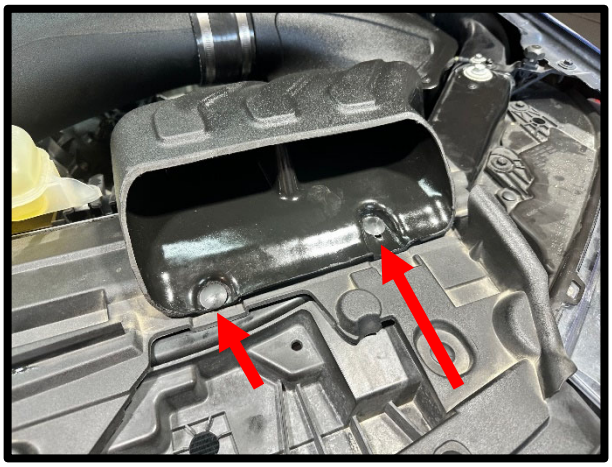




7. Remove the plastic retainer from the wiring loom.

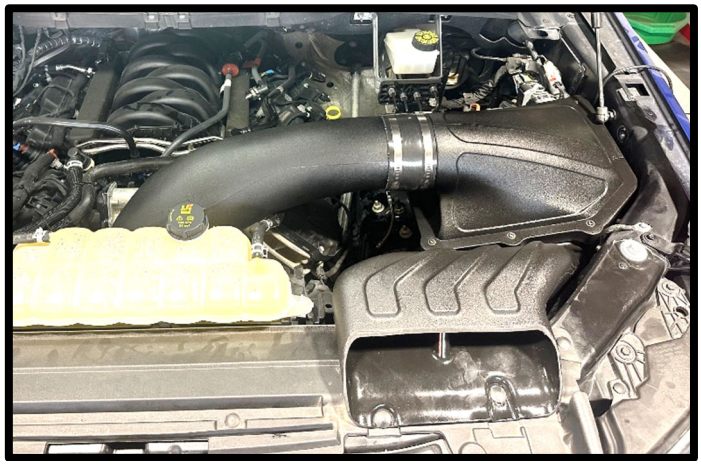
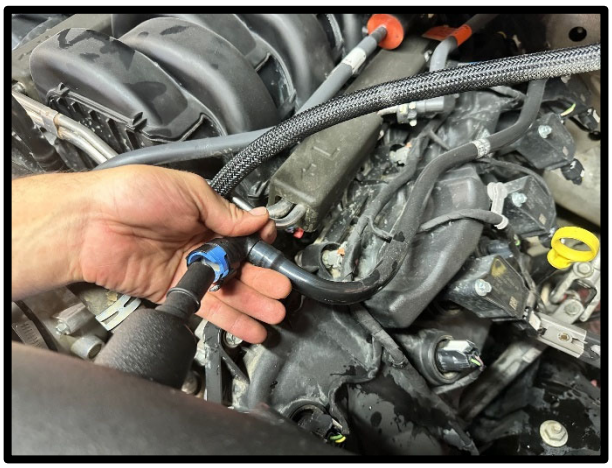
8. Add a zip tie to secure harness to frame as shown.

9. Install the supplied airbox into factory (2x) hole locations. Using the supplied (2x) 1.1" L x .30" W plastic push pins, secure front of snorkel to factory location.



10. Install the (1x) supplied 13/16" to ½" rubber grommet into the inlet tube. Install the supplied ½" to 15.82mm quick connect fitting.

11. Install the supplied 5" ID x 2 1/2" hose over air inlet tube and airbox lid. Install the 4 1/2" x 4" hose over throttle body. Install the air inlet tube between the airbox lid and throttle body. Slide hose over throttle body. Secure all ends with the supplied hose clamps. ***NOTE**: Route coolant vent line under air tube.



12. Reconnect crank case ventilation hose to air tube fitting previously installed.