



INSTALLATION GUIDE

13TH/14TH GEN F-150 INTERCOOLER KIT

XOTPFA1

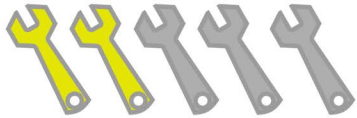
Help@DriveXodus.com

[DriveXodus.com](https://www.DriveXodus.com)



This installation guide is for instructional purposes only. For best results, professional installation by an experienced technician is always recommended. By reading this guide you agree Integrated Engineering is not responsible for any damage caused by incorrect installation.

DIFFICULTY



Expect 1.5 - 2.5 hours on average

REQUIRED PARTS

- No additional parts are required for this install

REQUIRED TOOLS

- 13mm socket
- 15mm socket
- 8mm socket
- 5mm socket
- Flathead screwdriver
- Pick

OPTIONAL PARTS

BEFORE YOU BEGIN

It is highly recommended to pre-read this entire guide ahead of your installation to familiarize yourself with each step. Always park your vehicle in a safe and level location and allow plenty of time for the engine bay and exhaust to completely cool. Locate and prepare your work space with each required tool listed above. Unbox all components and verify the contents and quantities before you begin. If anything is missing or damaged, please contact us for immediate help at help@drivexodus.com

SPECIAL NOTE:

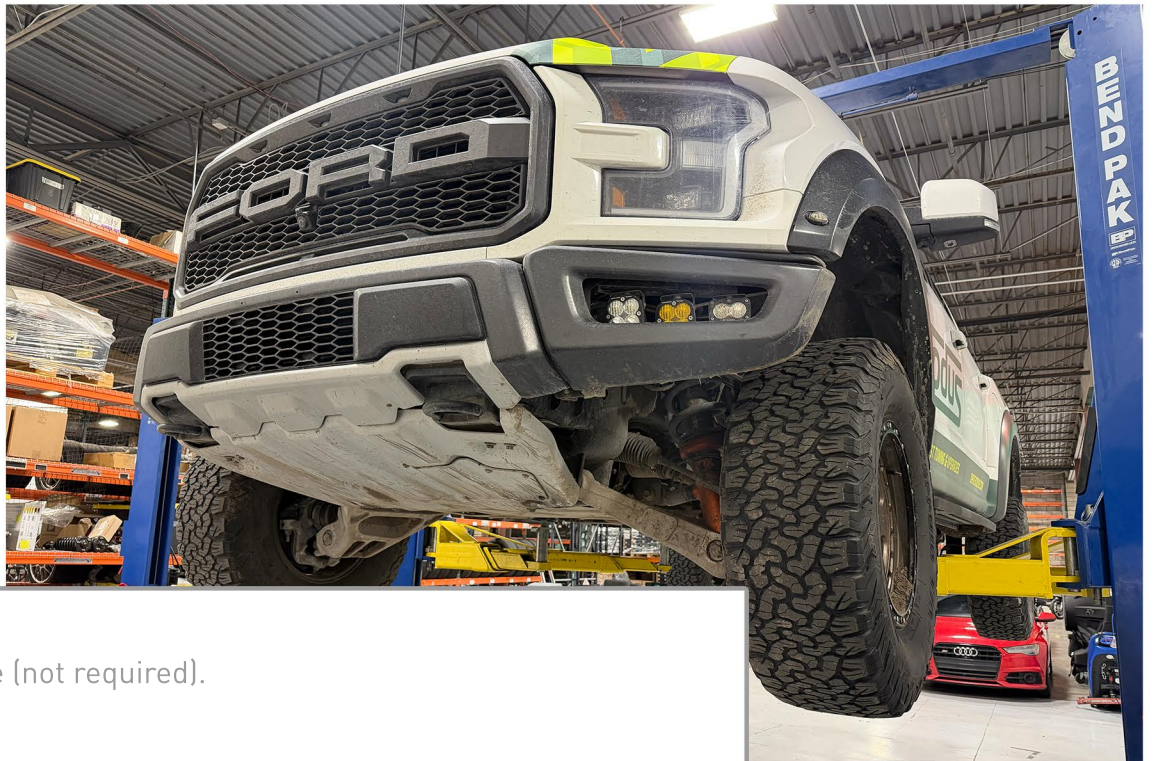
This install guide has been photographed and written on a 2019 Ford F-150 Raptor. Some steps and factory hardware specifications may vary depending on vehicle model, year, and region. This guide is for reference purposes only. If you are unsure of the installation procedure for any individual step or part, please seek professional help before proceeding.

INCLUDED PARTS

- 01 - XOTPFA1 INTERCOOLER (1X)
- 02 - M6 SOCKET HEAD SCREW (14MM LONG) (1X)
- 03 - M6 FLAT WASHER (1X)
- 04 - BRASS PIPE FITTINGS (2X)

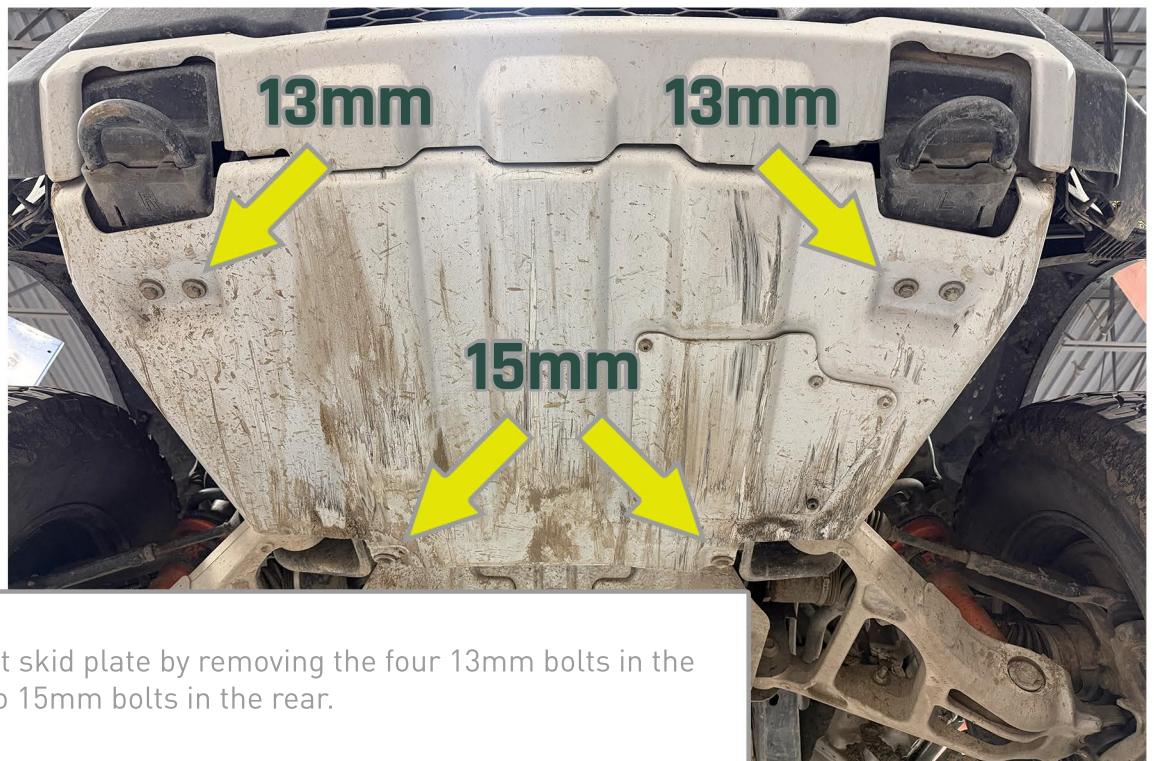
Some items may be partially assembled.

1



Safely lift vehicle (not required).

2



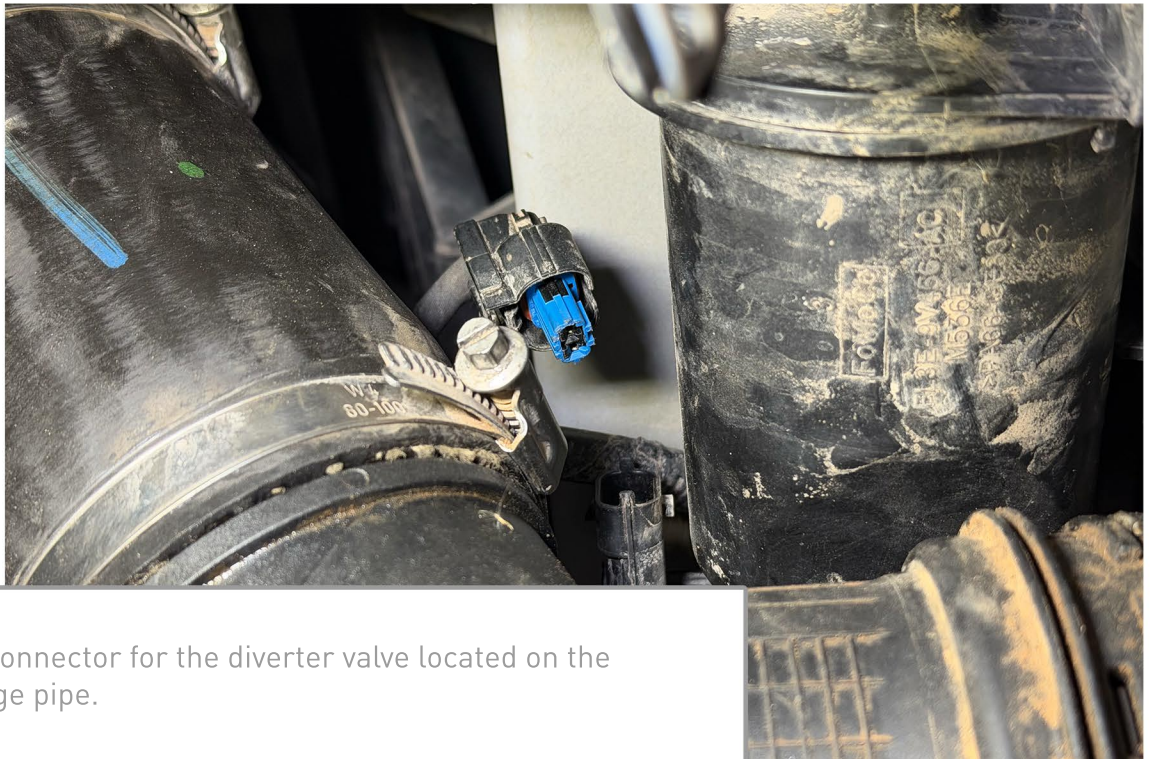
Remove the front skid plate by removing the four 13mm bolts in the front and the two 15mm bolts in the rear.

3



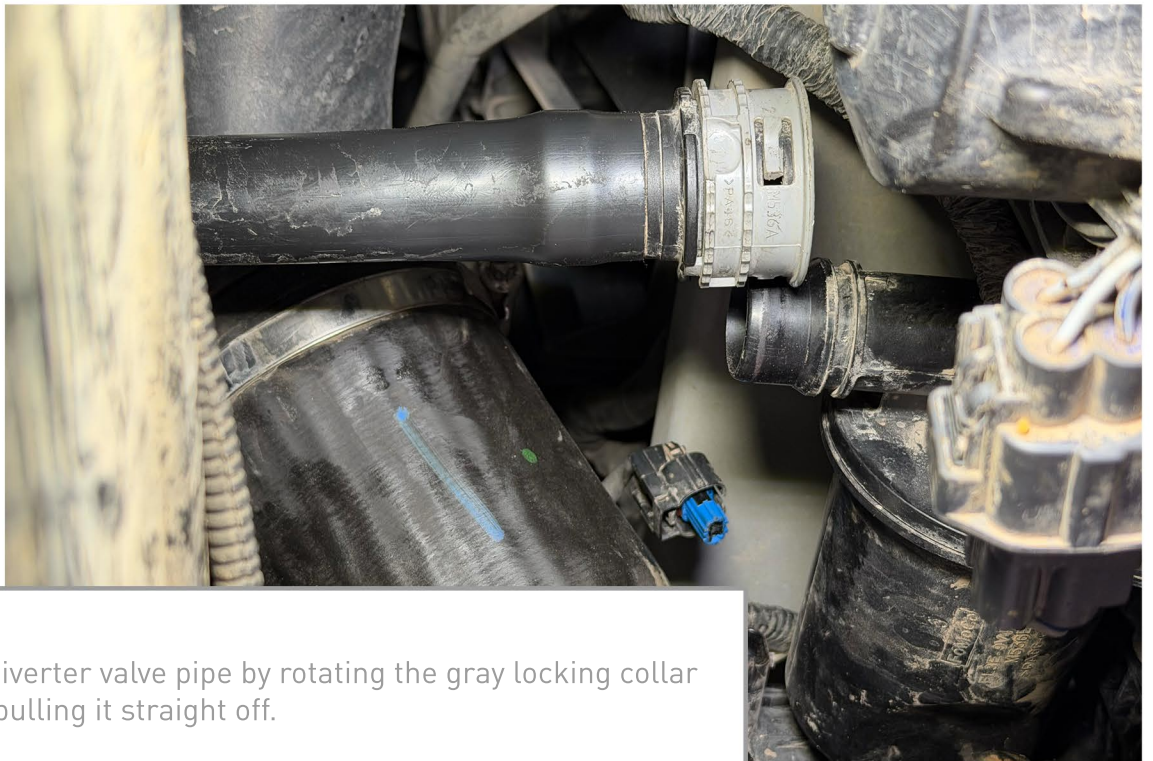
Be mindful of the spacer between the two skid plates as you remove the front skid plate.

4



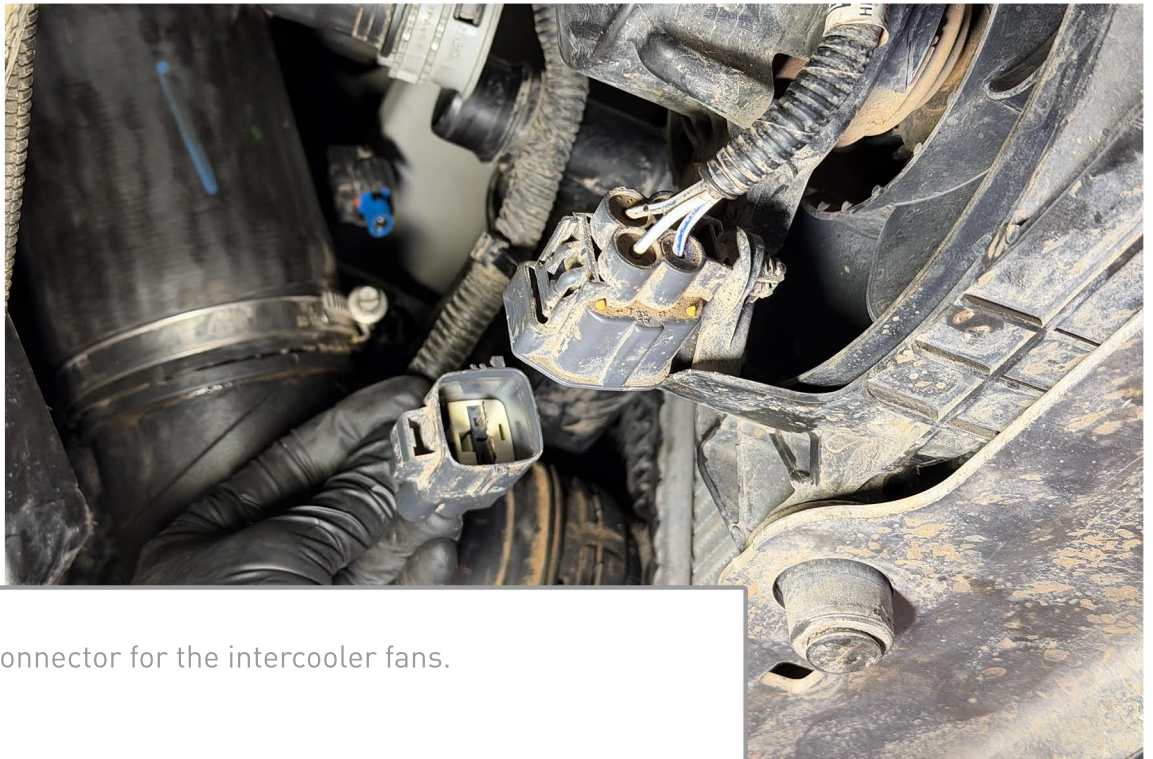
Disconnect the connector for the diverter valve located on the driver-side charge pipe.

5



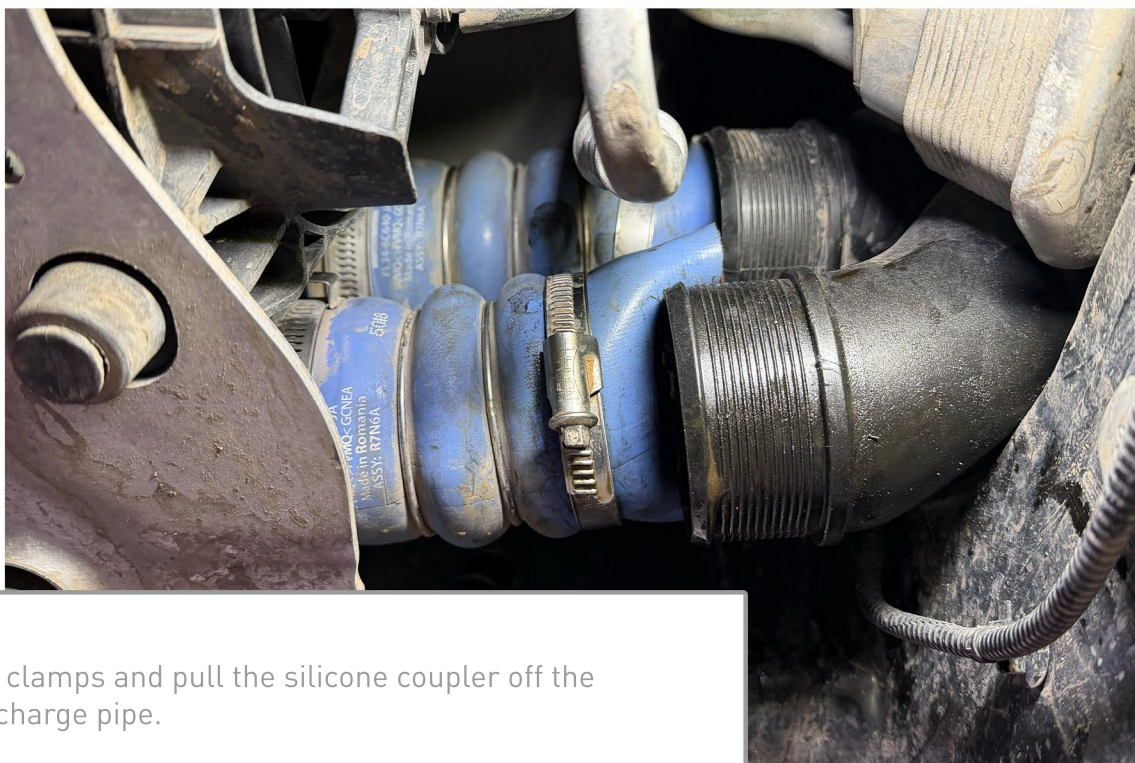
Disconnect the diverter valve pipe by rotating the gray locking collar clockwise, then pulling it straight off.

6



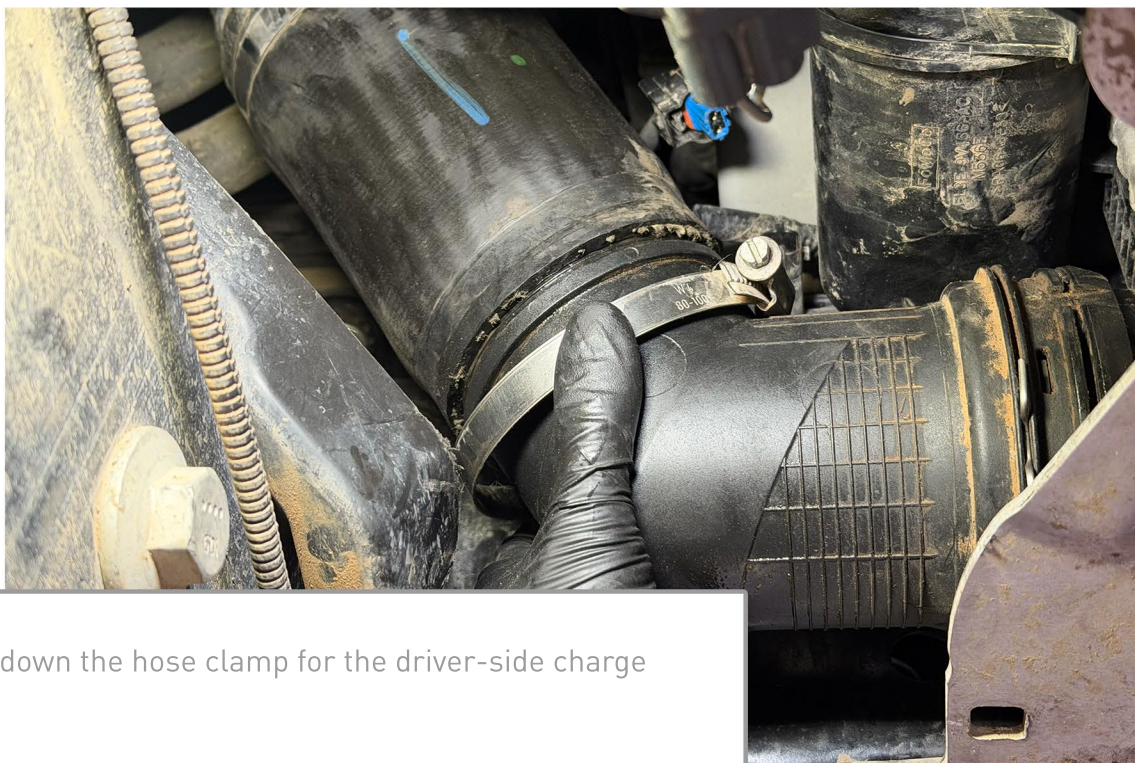
Disconnect the connector for the intercooler fans.

7



Loosen the hose clamps and pull the silicone coupler off the passenger-side charge pipe.

8



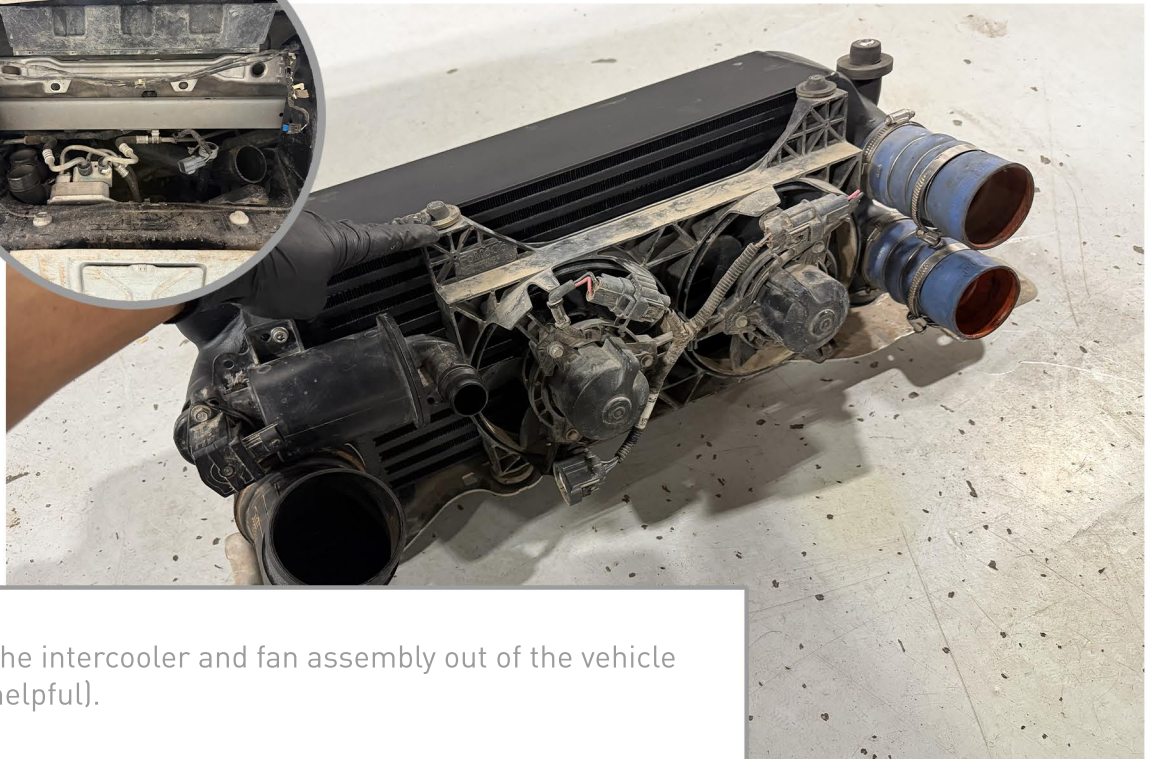
Loosen and pull down the hose clamp for the driver-side charge pipe.

9



Support the intercooler and remove the two 15mm bolts on the intercooler mounting bracket.

10



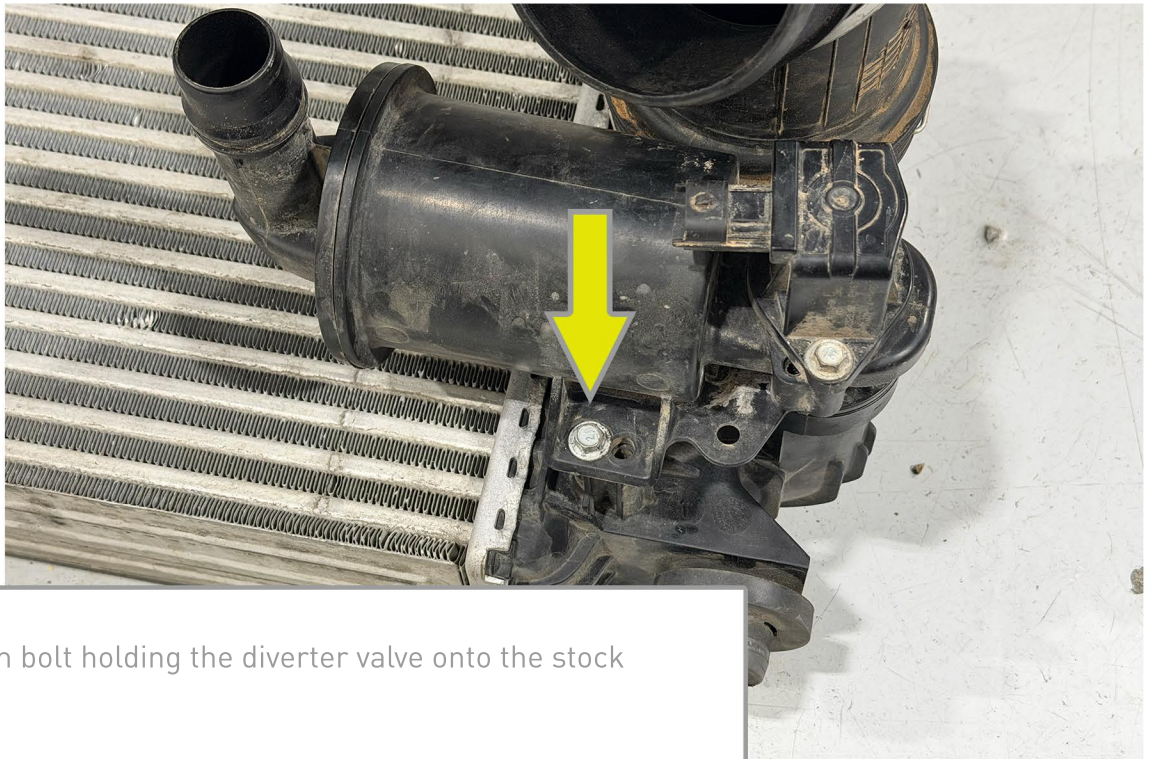
Carefully lower the intercooler and fan assembly out of the vehicle (an assistant is helpful).

11



Ensure the drain plugs are installed on the bottom of the Xodus intercooler.

12



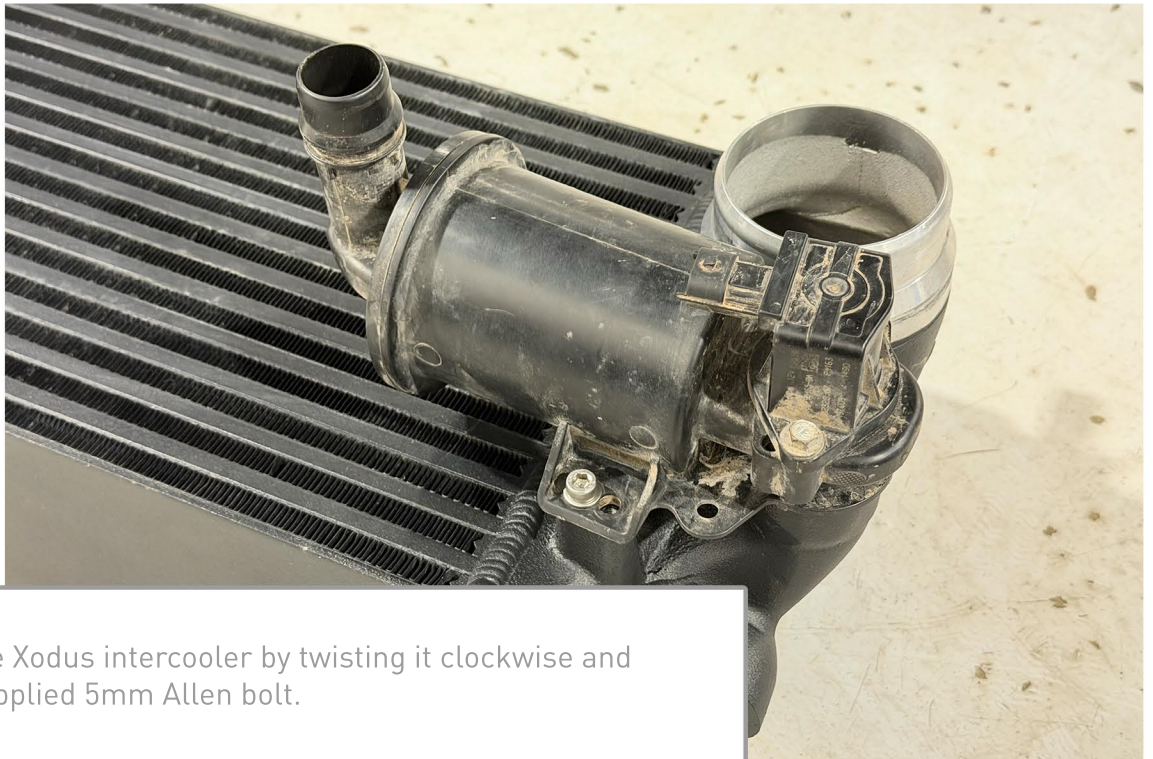
Remove the 8mm bolt holding the diverter valve onto the stock intercooler.

13



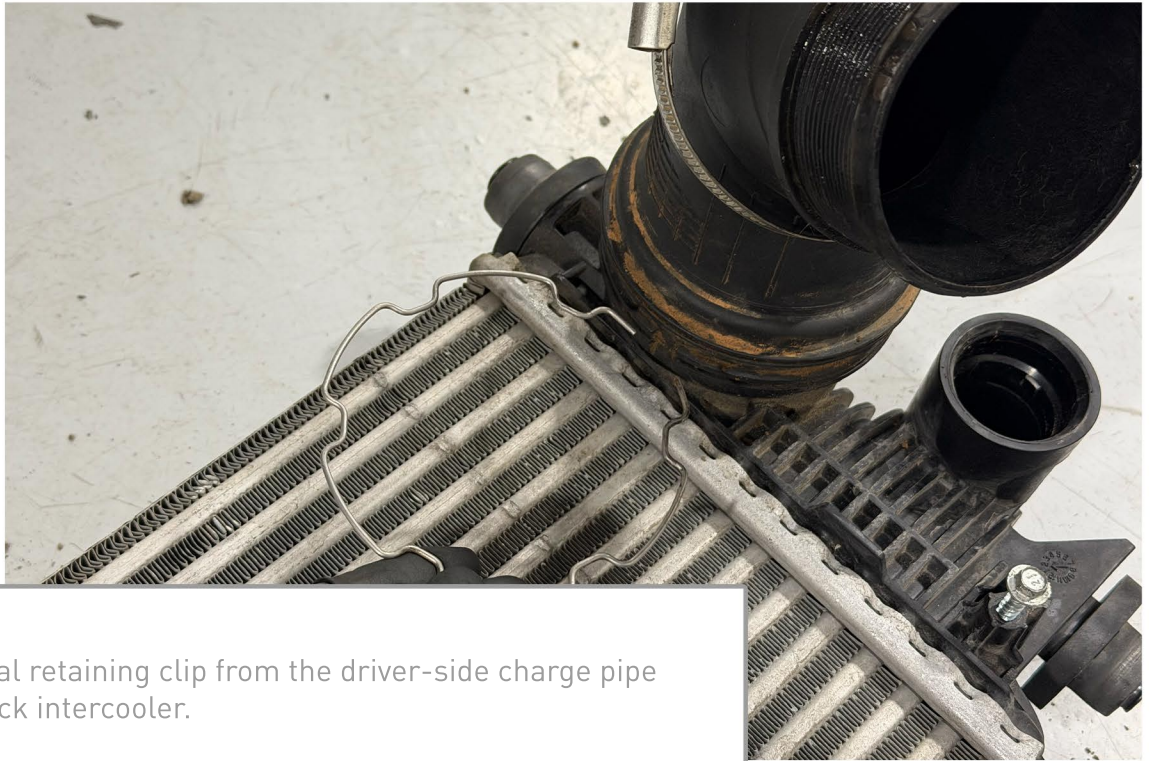
Twist the diverter valve counter-clockwise, then pull it straight up to remove.

14



Install it onto the Xodus intercooler by twisting it clockwise and installing the supplied 5mm Allen bolt.

15



Remove the metal retaining clip from the driver-side charge pipe elbow on the stock intercooler.

16



Pull the elbow straight up to remove it (note the orientation of the elbow).

17



Install the elbow in the same orientation onto the Xodus intercooler and reinstall the metal retaining clip.

18



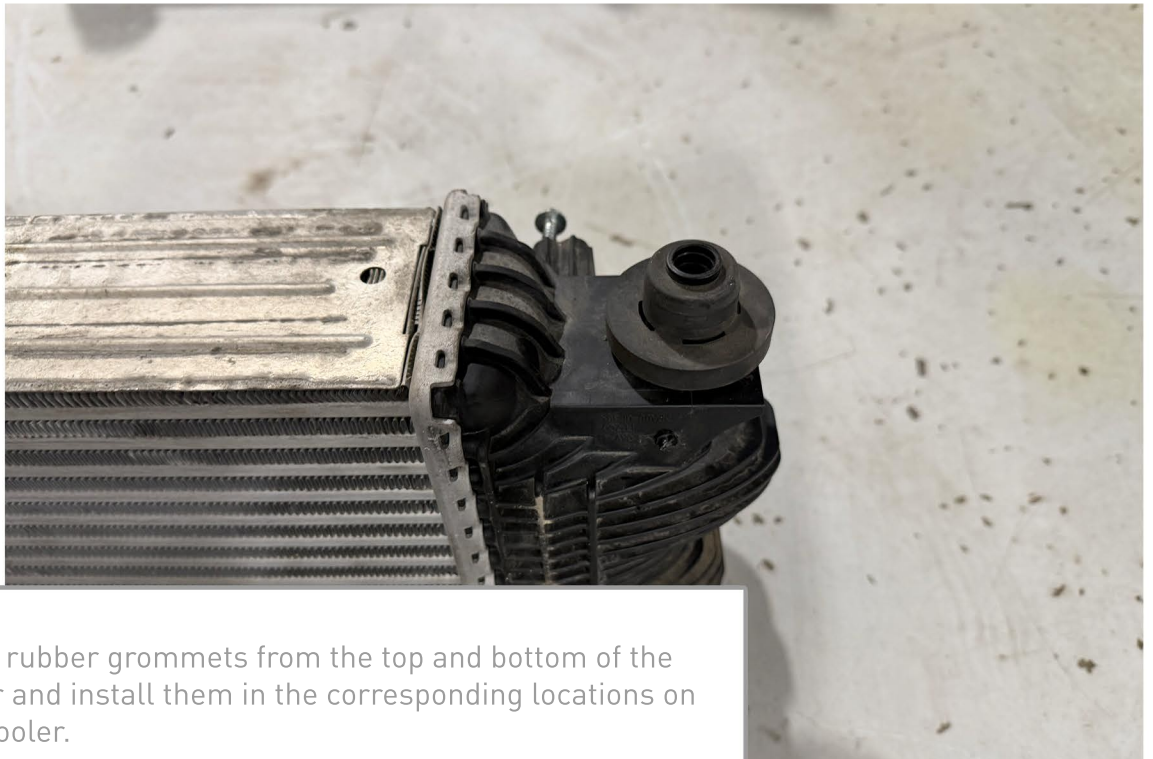
Loosen the hose clamps and remove the silicone couplers from the stock intercooler.

19



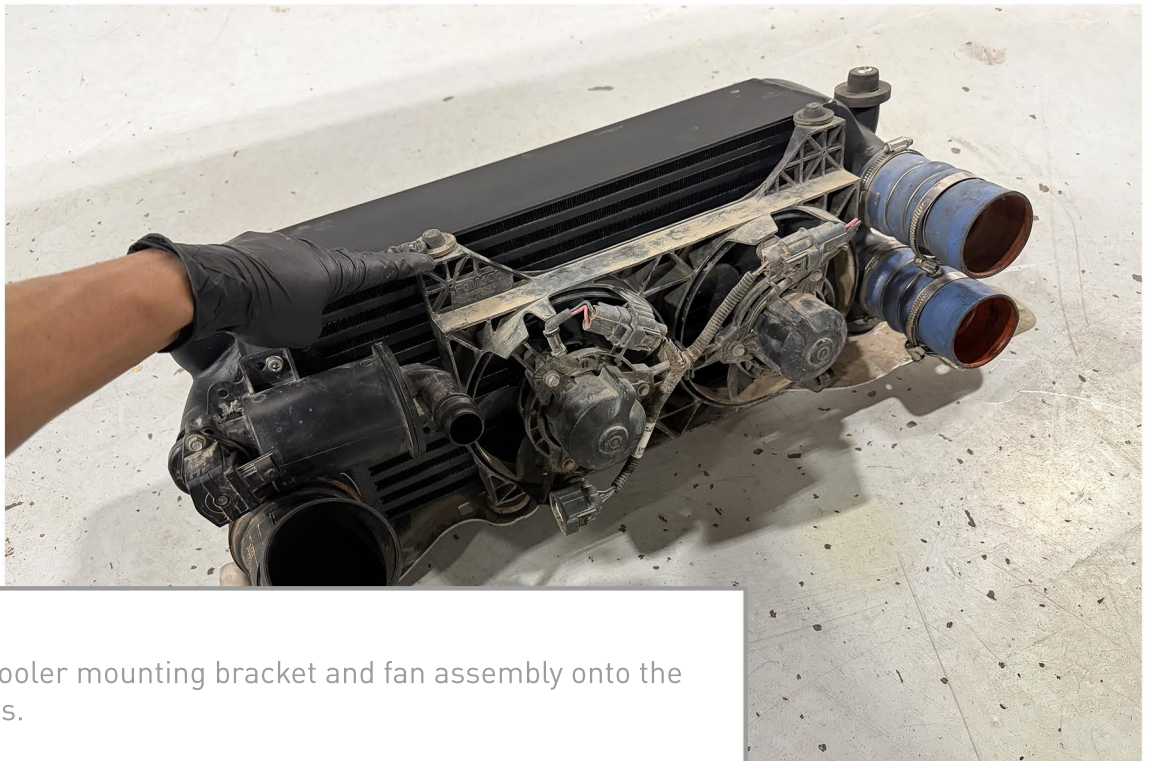
Install the silicone couplers onto the Xodus intercooler and tighten the hose clamps.

20



Remove the four rubber grommets from the top and bottom of the stock intercooler and install them in the corresponding locations on the Xodus intercooler.

21

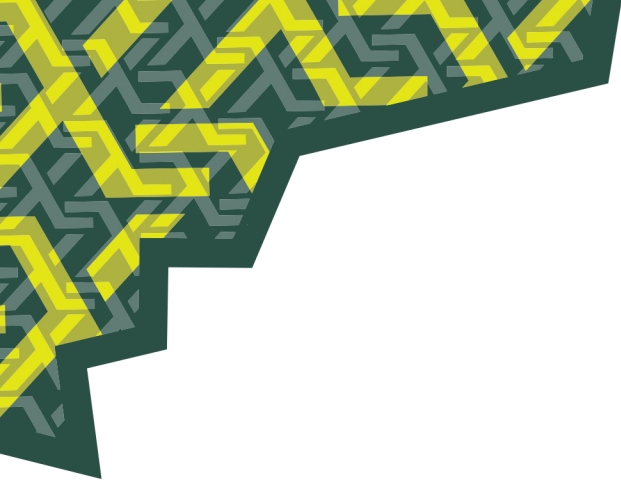


Install the intercooler mounting bracket and fan assembly onto the rubber grommets.

22



Carefully raise the intercooler assembly into position and secure it with the two 15mm bolts. (An assistant is helpful; ensure the top rubber grommets align correctly with the recessed holes).



ENJOY!

Thank you for purchasing an Xodus product. We are dedicated to serving your performance needs. Please check our website frequently for new product releases. If you have any questions or concerns about this product please do not hesitate to contact us.

Xodus

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