

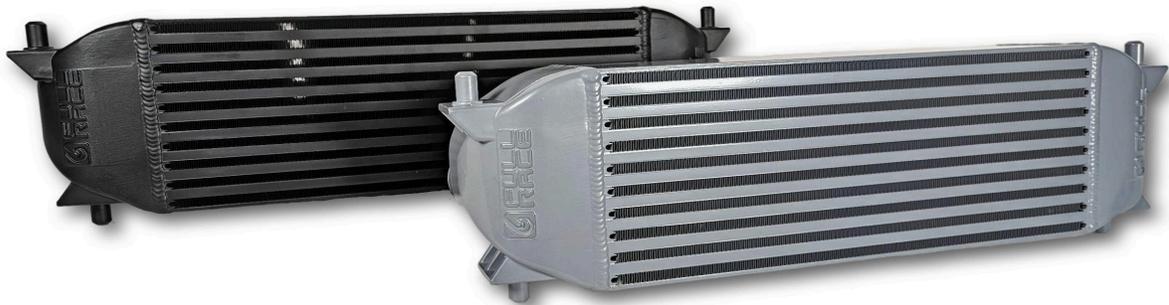


Intercooler Installation Guide

2021+ Ford Bronco

2024+ Ford Ranger

2.3L and 2.7L EcoBoost



Required Tools:

- 15mm Wrench
- 15mm Socket
- 3/8" Ratchet

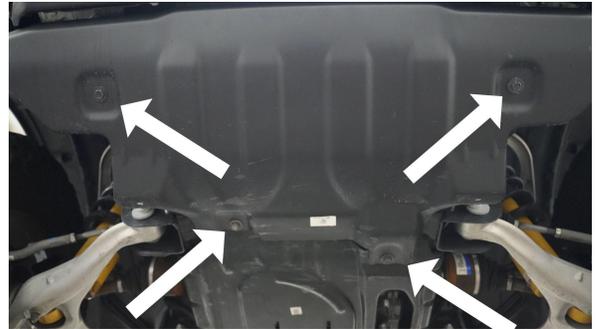
Bill of Materials:

 <p><i>Intercooler</i></p>	 <p><i>Driver Side Top Support Bracket</i></p>	 <p><i>Passenger Side Top Support Bracket</i></p>
Quantity: 1	Quantity: 1	Quantity: 1

Installation Procedure:

Step 1. Remove Skid Plate:

Remove the front two 15mm bolts and loosen the rear two 15mm bolts. Then slide the skid plate forward and off.



Step 2. Remove Lower Support Brackets:

Remove the two intercooler bottom support brackets. There are two 15mm bolts holding each bracket in place, for a total of four 15mm bolts.



Step 3. Remove Inlet and Outlet Hose:

Remove the inlet and outlet hose from the intercooler by unclipping the quick disconnect and pushing it off the intercooler.

This can be done by hand, but a pick tool will make it easier.



Step 4. Remove Factory Intercooler:

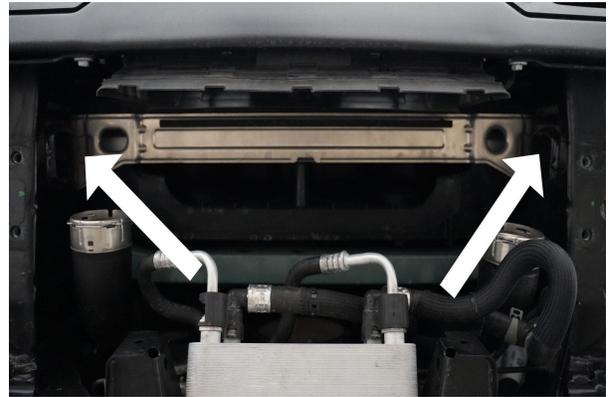
Remove the intercooler from the vehicle by firmly pulling down. This is currently only held in by two rubber bushings at the top of the intercooler.



Step 5. Remove Top Support Bracket:

Remove the top support bracket by removing the two 15mm bolts above the bracket.

This is a tight fit, and a ratcheting wrench really helps here. The bolt will not come straight up and out and will need to be removed at an angle.



Step 6. Swap Rubber Bushings:

Swap the two rubber bushings from the top of the factory intercooler to the top of the Full-Race intercooler.

The factory bottom support brackets will be reused, so make sure the other two factory rubber bushings remain.



Step 7. Install Supplied Top Brackets

Install the supplied top brackets by reusing the 15mm bolts removed from the factory top bracket.

Note: These will be left finger tight so the intercooler has the ability to shift into place while installing the bottom brackets.



This is your driver side bracket.



THIS EDGE TOWARD FRONT OF VEHICLE

This is your passenger side bracket.



THIS EDGE TOWARD FRONT OF VEHICLE

Step 8. Install Full-Race Intercooler:

Start by lifting the intercooler up into the vehicle, and pressing the top rubber bushings into the top brackets.



Ensure that your quick disconnect clips are in the unlocked position, as shown in the image, then push the inlet and outlet pipes onto the intercooler.

Note: To make this easier, apply silicone lubricant to the o-rings.



Once in place, be sure to lock the quick disconnect clips.

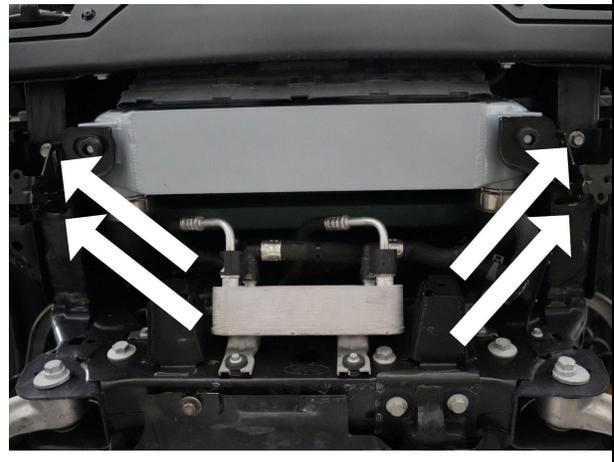


Step 9. Install Bottom Support Brackets:

Reinstall the factory bottom support brackets reusing the four 15mm bolts.

At this time, fully tighten both bottom AND top brackets.

Note: The top brackets are easier to get to via the bumper from the outside.



Step 10. Replace the skid plate:

Replace the skidplate by sliding it onto the rear bolts and replacing the two front 15mm bolts.



Congratulations!
Enjoy your new Full-Race Motorsports Intercooler!



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Monday-Friday: 8 am–4 pm MST