



CAMBURG FORD RAPTOR '17-20 MUFFLER HANGER SPACER INSTALLATION

PART NBR	INCLUDED HARDWARE	QTY
950177	M8x1.25x50 JIS FLANGE HEAD 10.9 BOLT	3
960465	1.25" OD x 0.375" ID x 1" ALUMINUM SPACER	3

This is a guide to help you through the process. It's your responsibility to ensure parts are being installed correctly using the correct tools and procedures to the proper torque.

- Remove the muffler and rear exhaust prior to installing the 2.5 bump stop kit.
- Once the 2.5 bump stop kit is fully installed, re-install the exhaust and check all clearances.
- Depending on your year truck and exhaust system (OEM or aftermarket), you MAY need to space the muffler hangers down from the frame if the exhaust tubing makes contact with the bump stop x-member. IF your exhaust needs to be spaced down, follow these basic instructions.
- Use the supplied bolt and spacer to lower the exhaust hanger mount at the rear of the muffler. You may need to bend the tab that registers into the frame slightly. [See picture 1.1 for reference]
- For the next two exhaust hangers after the muffler that support the tubing, you will need to drill new mounting holes.
- On the passenger side, remove the hanger from the frame and position the clip-on nut in the frame out of the way vertically. [See picture 2.1 for reference]
- Bolt the hanger onto the frame with the supplied bolt and spacer under the frame rail. Then mark the hole on the side of the frame. [See picture 2.2 for reference]
- Un-bolt the hanger and drill a 1/4" hole in the new location. Then use a 1/2" drill bit to enlarge. You can also use a step-bit if you have one. [See picture 2.3 for reference]
- Then reposition the clip-on nut to the new hole. Install the spacer and supplied bolt on the lower mount and re-use the OEM bolt for the upper mount. [See picture 2.4 for reference.]
- On the driver side, remove the hanger from the frame and position the clip-on nut in the frame out of the way vertically.
- Bolt the hanger onto the frame with the supplied bolt and spacer under the frame rail. Then mark the hole on the side of the frame.
- Un-bolt the hanger and drill a 1/4" hole in the new location. Then use a 1/2" drill bit to enlarge. You can also use a step-bit if you have one. [See picture 3.3 for reference]
- To position the clip-on nut to the new hole, you'll need to use a small flat file to notch the access hole in the frame. Then reposition the clip-on nut to the new hole. Install the spacer and supplied bolt on the lower mount and re-use the OEM bolt for the upper mount. [See picture 3.4 & 3.5 for reference]
- Check all exhaust hardware and clamps for proper tightness and clearances.



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