

INSTALLATION GUIDE

RAM 2500/3500 RANGEMAX HD FRONT



EXPEDITION ONE
OFF-ROAD RESEARCH & EQUIPMENT

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Removing the factory bumper (excluding the Turbo Diesel models):

Under the vehicle:

- 1) Unplugged the factory fog lights if equipped.
- 2) Remove the 4-nuts from the factory frame mounts and the slide the bolts out (this hardware will be reused).
- 3) Lift and remove the factory front bumper.



Removing the factory bumper (Turbo Diesel models):

Under the hood: (removing the grille is the easiest way to unbolt the four bumper mounting bolts.)

- 1) Remove the (heavy duty) cover that is between the grille and the upper radiator support by releasing the four pins.

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Remove the four bolts that hold the grille in place.



Remove the grille by pulling it towards the front of the vehicle to release the retaining clips. (easiest way is to give a quick hard pull.)

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Under the vehicle:

- 4) Unplug the factory fog lights if equipped.
- 5) Remove the 8-bolts that hold the bumper to the factory frame mounts.
- 6) Lift and remove the bumper.



Remove the Passenger side intercooler hose clamp and disconnect the hose from the intercooler.

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Remove the 4-bolts mounting the intercooler to the frame.



Remove the 4-nuts from the factory (bumper to frame) mounts.

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Move the intercooler as needed to be able to remove the frame mounting hardware. (this hardware will be reused) Positioning the intercooler as shown will allow for the easiest removal and install of the driver side frame mounting bracket.

Remove the frame mounts from the vehicle.



Installing the New bumper:

Notice: during the installation of the bumper it is recommended to only tighten the hardware mounting the bumper and brackets hand tight as to allow for centering and leveling the bumper.

12) Install the Expedition One Frame mounting brackets with the arrow pointing up. Using the factory hardware (hand tight only).

13) Remount the intercooler to the frame.

14) Reconnect the intercooler hose and tighten the hose clamp.

15) Remove the shroud on the front of the intercooler by removing the four bolts.

16) Install the grille by aligning the 4 -push retainers and pushing them into place and install the 4-bolts on the top of the grille.

17) Install the (heavy duty) cover using the 4-christmas tree pins removed earlier.



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Remove sensor harnesses and sensors from stock front bumper.



Sensor clips may need to be shaved down to fit your new bumper.

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Align clevis mount and clevis spacer against bumper.



Insert 9/16 - 2" Bolts with washers on either side and loosely tighten for both side wings.

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Rewire sensors in new bumper through large bottom hole.



Align bumper and side wings and fully tighten.

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Align bumper and fasten to frame with provided 1 1/2" bolts, washers, and nylocs through front port holes.



You are now finished, make sure to recheck bolt and nut tightness.

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