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PRODUCT

INSTALLATION MANUAL

RAM 1500 TUBE SERIES REAR BUMPER

2019+ RAM 1500

RBDR1-04



TOOLS REQUIRED

- Zip ties
- Trim Remover Tool
- 10, 13mm, 15mm, 16mm, 17mm & 18mm sockets/wrenches
- #4 & #6 Allen Tool
- Snips/flathead screwdriver (optional)
- Safety Glasses

SKILL LEVEL

- Intermediate
- 1 (you) to 2 persons

Medium skill level required, you can easily install it by yourself however, additional help will be useful

TIME REQUIRED

- 4.5 Hours

Time to install this should only take about four and a half hours.

WARNINGS/CAUTIONS BEFORE STARTING INSTALLATION

Before you install this kit – Read and understand all instructions, warnings, cautions, and notes contained in this installation instruction guide. Consult your vehicle owner's manual for proper disconnection of electrical and lifting of vehicle if required for installation of this product.

This install may require some technical skills and knowledge of basic mechanical work. If you do not feel that you are capable of performing this install please take this product to a trained professional.

After reading this guide please contact us with any questions or concerns before installing product.

Customer Service: 855-680-9595

DV8 Offroad is not responsible for any bodily injury or harm to you or your vehicle as a result of an improper install.

Proper installation of this kit required knowledge of the factory recommended procedures for removal and installation of original equipment components. We recommend that the factory shop manual and any special tools needed to service your vehicle be on hand during the installation. Installation of this kit without proper knowledge of the factory recommended procedures may affect the performance of these components and the safety of the vehicle

- Always wear eye protection when operating power tools

Inspect all contents of this package to make sure product is not damaged and all installation hardware has been included. If parts are missing from kit, please be prepared to provide the following information

1. Name of purchase location
2. Bar Code on side of box
3. Date above bar code
4. Date inside box cover



NEED HELP?



855-680-9595

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Begin by unpacking all items and inspecting for missing pieces or damage. If you have any concerns, please contact the company the product was purchased from. Extra hardware may be included with the product.

HARDWARE INCLUDED

(2) M12x30 Hex Head Bolts	(2) M8 Hex Head Bolts
(2) M12 Nut Clips	(4) M8 Flat Washers
(2) M12 Split Washers	(2) M8 Nylon Lock Nuts
(6) M12 Flat Washers	(4) M6x20 Allen Head Bolts
(2) M12 Allen Head Bolts	(8) M6 Flat Washers
(2) M12 Nylon Lock nuts	(4) M6 Nylon Lock Nuts



STEP 1 | To begin removing the bumper, unplug all wiring to the sensors, lights and tow plug.

Start by removing the railer plug wiring connector.



STEP 2 | Above the exhaust (on a dual exhaust vehicle) remove the large connector for the rear bumper. This is held on by a push pin. Flip up the latch, and the plug should disconnect itself.



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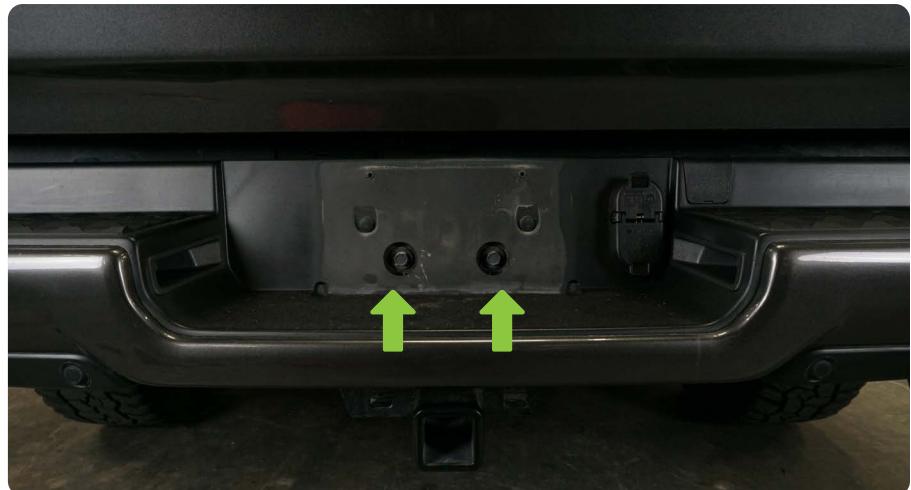


STEP 3 | Disconnect the wiring from frame releasing a trim clip tool so that the wiring is free.



STEP 4 | Remove the license plate to expose the two 15mm bolts. Using a 15mm socket, remove the bolts.

Using a trim tool, remove the two push pins.



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STEP 5 | Using a 16mm socket or wrench, remove the (4) nuts (2 per side) to release the bumper.

Please Note: Once nuts are removed, bumper will be loose. Use caution to prevent injury or damage to truck/bumper.



STEP 6 | Once bumper is removed, place on soft surface to prevent damage. Begin by removing your wire harness from the bumper.

Using a push pin tool, release all the push pins located along the backside of the bumper.



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STEP 7 | Once the wire harness is free from the bumper, disconnect the two license plate lights by depressing the tab on the plug and pulling away from the light.

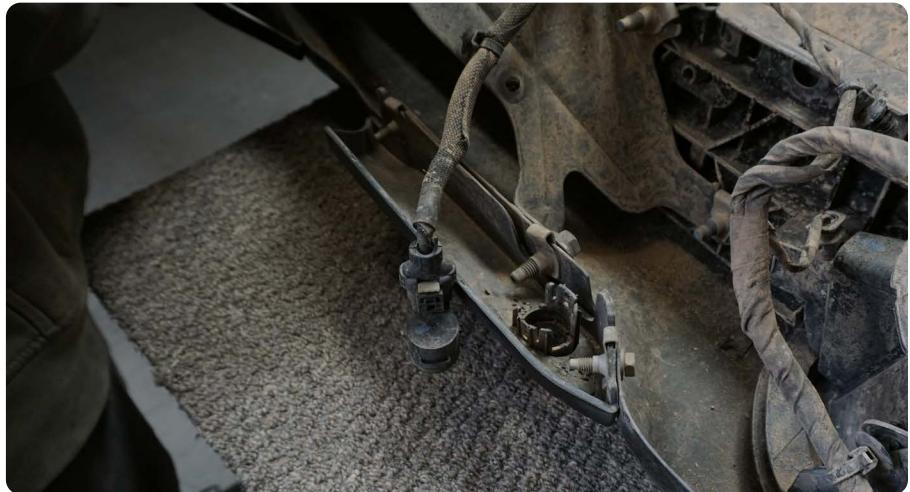


STEP 8 | Next, remove the sensors (if equipped). Do not unplug the sensors, rather, gently spread the two clips on each side of the sensor and pull the sensor back away from the bumper.

The wire harness should be free and set aside.



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STEP 9 | Remove the trailer plug. Using a flat head or trim clip tool, press in both sides of the metal retaining clip and push the plug out towards the front of the bumper.



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STEP 10 | Using a 10mm socket or wrench, remove both license plate lights from the bumper.



STEP 11 | Begin by installing the trailer plug socket into the DV8 rear bumper. Press firmly until the socket is fully clicked into place.



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STEP 12 | Install the factory license plate lights into the DV8 rear bumper through the face of the bumper. Use the factory hardware and a 10mm wrench or socket to secure the license plate light in place.



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STEP 13 | If you are planning to run pod lights, install your chosen lights at this time. Secure the lights to the bumper using the hardware provided with the light.



STEP 14 | Install the provided nut clips onto the bumpers mounting points. (1 nut clip per side).



STEP 15 | Mount your license plate to the bumper using the provided M6 allen head hardware, a #4 allen tool and a 10mm socket or wrench.



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STEP 16 | Using one of the M6 license plate mounting bolts, secure the rear sensor module to the bumper as shown.



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STEP 17 | (If equipped) Route your parking sensor wiring harness through the bumpers mounting points and to the sensor holes.



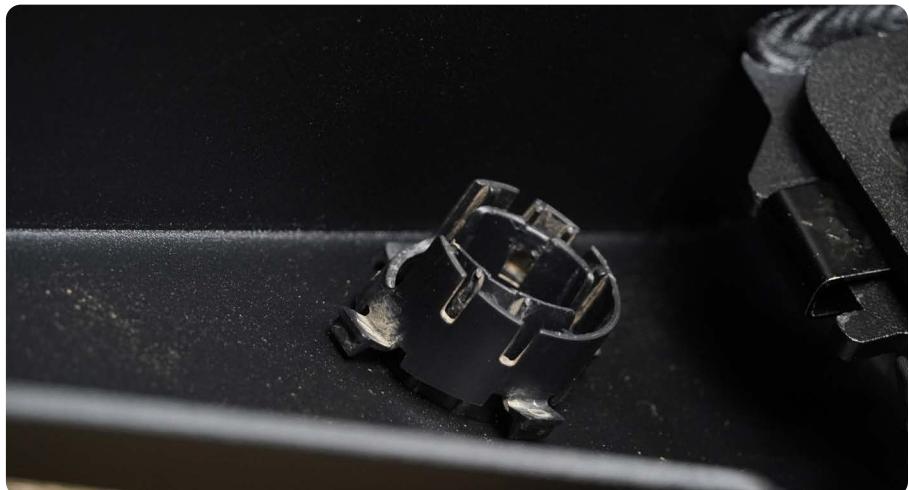
STEP 18 | Use the built in zip-tie tabs to secure the wiring harness to the bumper.



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STEP 19 | If truck is equipped with sensors, remove the factory bezels (some trim models). Place factory bezels into corresponding holes onto new bumper. Push in sensors from the backside until they click into place.

If bumper is not equipped with removable factory sensor bezels, use DV8 part# MPRSNSR-01.



STEP 20 | With assistance lift the bumper up to the vehicle.



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STEP 21 | Loosely secure the bottom of the bumper to the vehicle using the provided M12 allen head hardware, a #8 allen tool and a 18mm wrench or socket.

Note: The provided M12 allen head bolts will be used to through bolt the bumper.



STEP 22 | Use the provided M12 hex head bolts and a 17mm wrench or socket to loosely secure the top of the bumper using the previously installed M12 nut clip.



STEP 23 | Double check the height of the bumper to ensure the bumper is not rested on the dual exhaust tips (if equipped).

With assistance lift the bumper up to clear the dual exhaust tips. Secure the bumper in place using a 17mm socket for the hex head bolts. Use a #6 allen tool and 18mm socket for the through bolts.



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STEP 24 | Reconnect the trailer harness and parking sensor harness (if equipped).



STEP 25 | Double check that all hardware is secure. Congratulations, installation of the RAM 1500 DV8 Tube series rear bumper is now complete.

