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Rough Country 51004 Installation Instructions

EXO Winch Mount Kit with LEDs for Ford Super Duty (2017-2020)

Part number: 51004

trailfortress.com/exo-winch-mount-kit-ford-super-duty-rough-country-51004

Scan for fitment, price and install help

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ROUGH COUNTRY SUSPENSION SYSTEMS®

51004BAG1

FORD 2017-19 F-250 EXO Bumper

Thank you for choosing Rough Country for all your vehicle needs.

Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.
If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product. Check all fasteners for proper torque. Check to ensure for adequate clearance between all components.

⚠NOTICE Rough Country LED lights are for off-road use only.
If factory equipped, winch bumper may interfere with parking, proximity and external cruise control sensors.

KIT CONTENTS:	TOOLS NEEDED:	HARDWARE INCLUDED:
1-EXO Front Bumper w/ Light Mount	7/8 socket	8-9/16-12 X 2 bolts
2-2” Flush Mount LED Cubes	13/16 wrench	8-9/16-12 Nylock nuts
1-Single Row 20” LED	3/4 wrench and socket	16–9/16 SAE Washers
4-Spacers	15mm wrench and socket	2-12mm x 120mm Bolts
1-Drivers Side Frame Bracket	19mm wrench and socket	4-1/2” x 1 1/2” Bolts
1-Passengers Side Frame Bracket	18mm wrench and socket	6-1/2” Flat Washers
2-D-rings	Ratchet	6-1/2” Lock Washers
2-Bumper Brackets	Tape Measure	4-12mm x 35mm Bolts
	Straight edge	4-12mm Flat Washers
		4-12mm Flange Lock Nuts

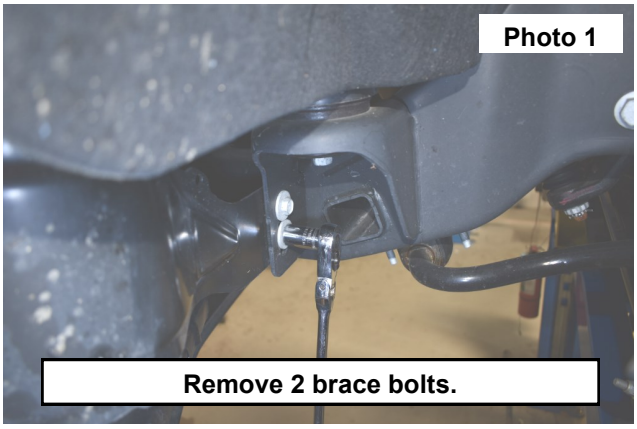


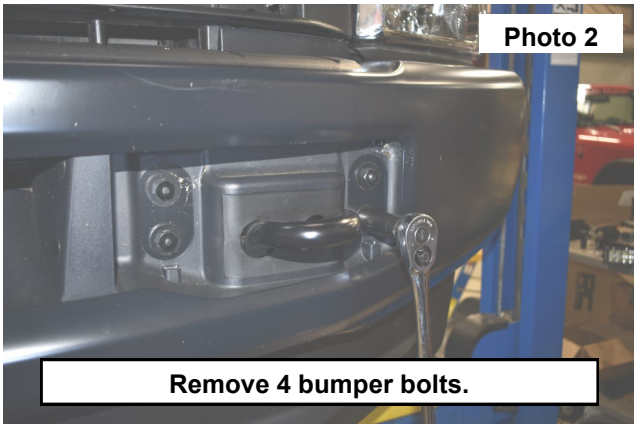
Torque Specs:

Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16”	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8”	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16”	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2”	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16”	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8”	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4”	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs

INSTALLATION INSTRUCTONS

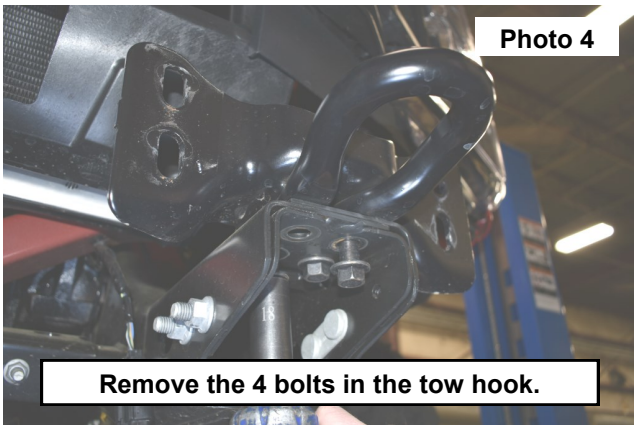
1. Place the vehicle in park. If the bumper is equipped with fog lights or sensors unplug these harnesses first.
2. Remove the 2 bolts on the brace on the back side of the bumper on the drivers and passengers side, using a 15mm socket. **See Photo 1.** Save hardware for reuse.
3. Remove the 4 bolts and the 2 flag nuts on each side of the front bumper, using a 18mm socket. **See Photo 2.** Save hardware for reuse.





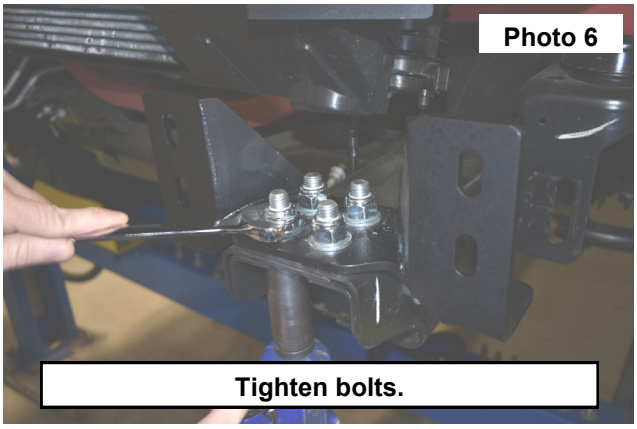
4. Once all of the bolts are removed from the bumper mounts, set the bumper aside. **See Photo 3.**
5. Remove the 4 bolts from the bottom side of the tow hook/ bumper mount on each side, use a 18mm socket. **See Photo 4.**





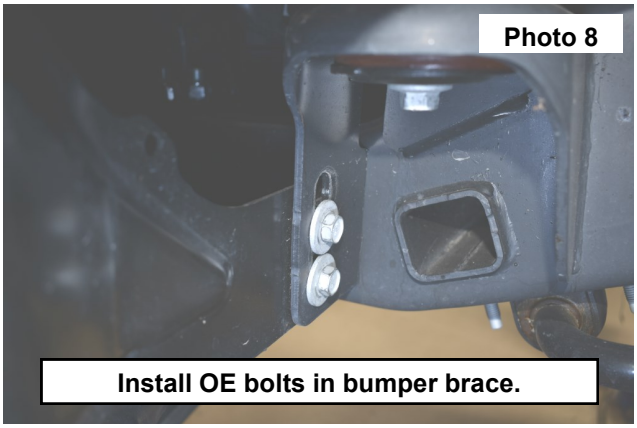
6. Install the new supplied bumper bracket onto the end of the frame, using the supplied (4) 9/16-12 X 2 bolt (8) washers and (4) 9/16-12 nuts on. Make sure the brackets are flush with each other, use a straight edge across the front of the brackets as shown by the white line in **Photo 5.** Repeat on opposite side.
7. Once the brackets are in position tighten the bolts, using a 13/16 socket on the bolt and a 7/8 wrench on the nut. Torque to 95ft-lbs. **See Photo 6.**



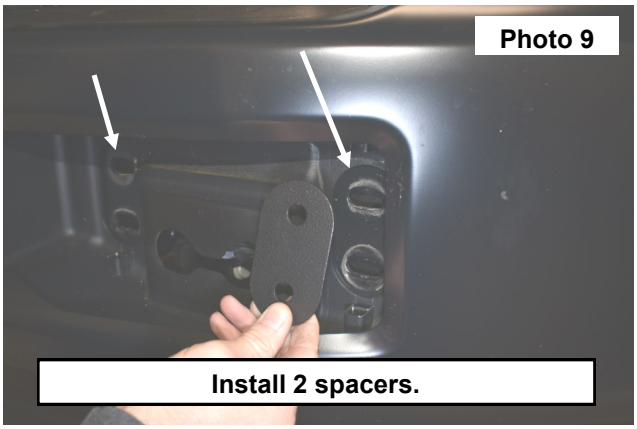


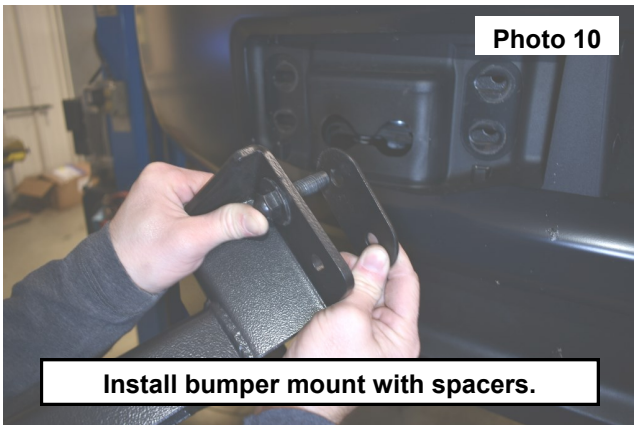
8. Install the bumper. Using the OE hardware in the back bumper brace, install the 2 bolts on each side, do not tighten. **See Photo 7-8.**



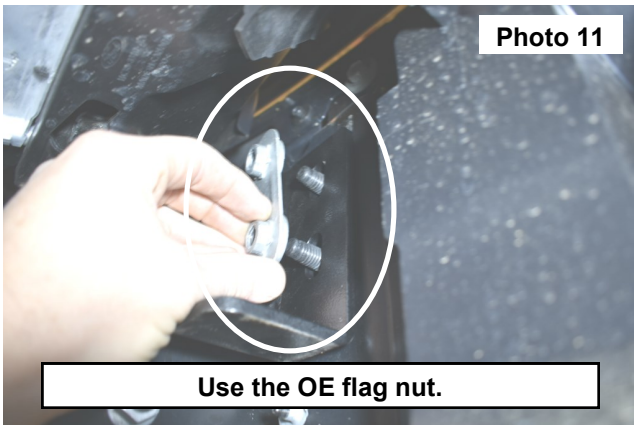


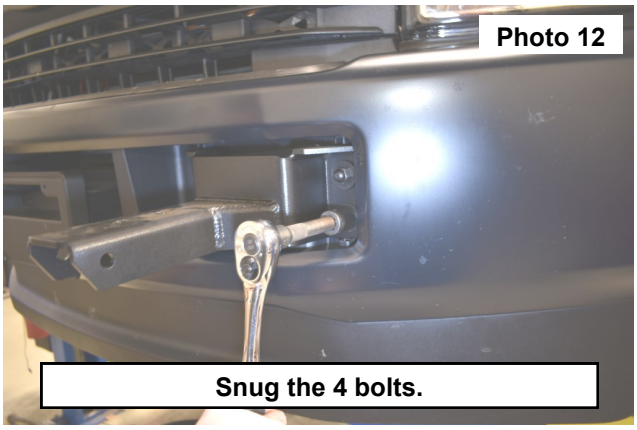
9. Locate the supplied 4 spacers, 2 of these spacers will be installed behind the new EXO bumper mount on each side of the vehicle. **See Photo 9.**
10. Install the EXO bumper mount onto the bumper with 2 of the spacers, one on each side of the bumper mount. **See Photo 10.**



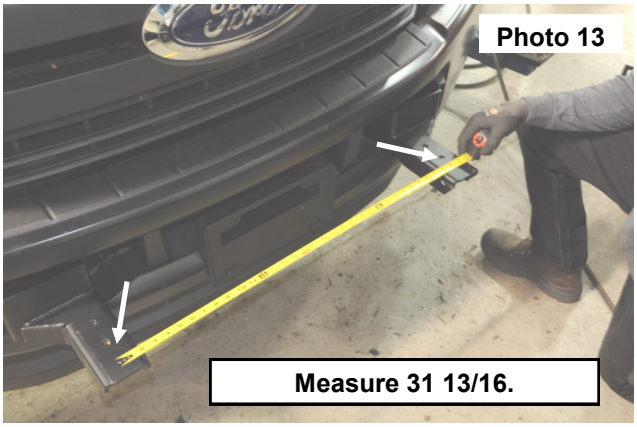


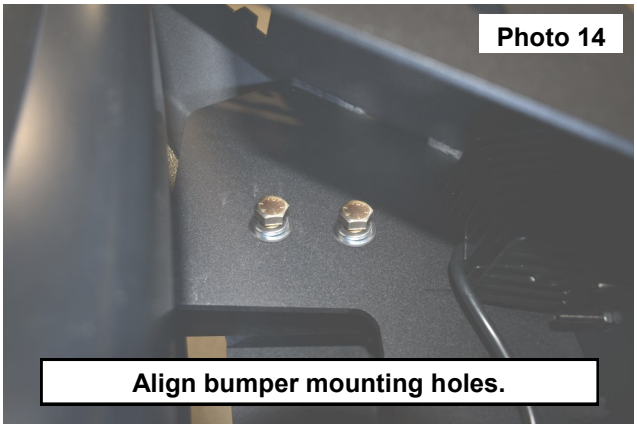
11. On each side, thread the bolts from the front side into the OE flag nut behind the new bumper mount, **See Photo 11.**
12. Adjust the bumper to the correct height, along the grill and the headlights, using a 18mm socket. Do not tighten at this time. **See Photo 12.**



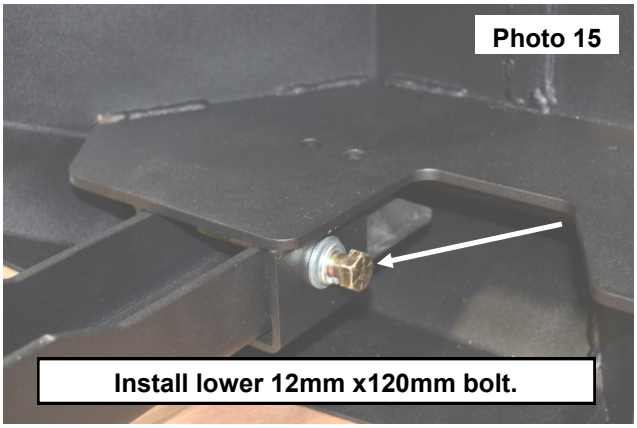


13. Measure 31 13/16 of an inch from the center of the hole to center of hole on the top of the brackets, check bumper alignment in between the grill and the head lights, use a 18mm socket to tighten. **See Photo 13.** Fully tighten the 4 bumper brace bolts as shown in step 8 using a 15mm socket. Torque to factory spec.
14. Install the EXO bumper onto the mounts, using the supplied 1/2" X 1 1/4" bolt, lock washer and flat washer through the holes in the bumper into the frame mount. **See Photo 14.** Do not tighten at this time.



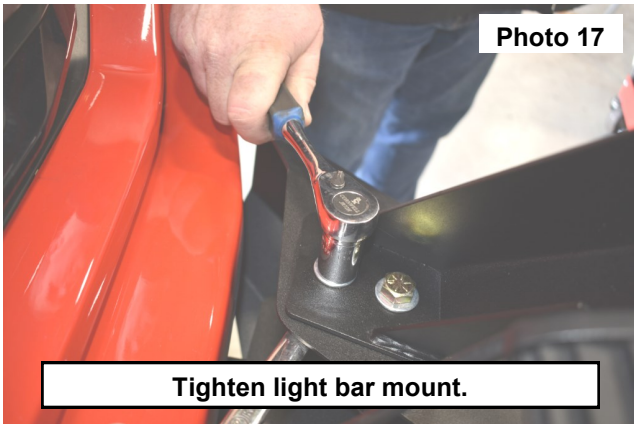


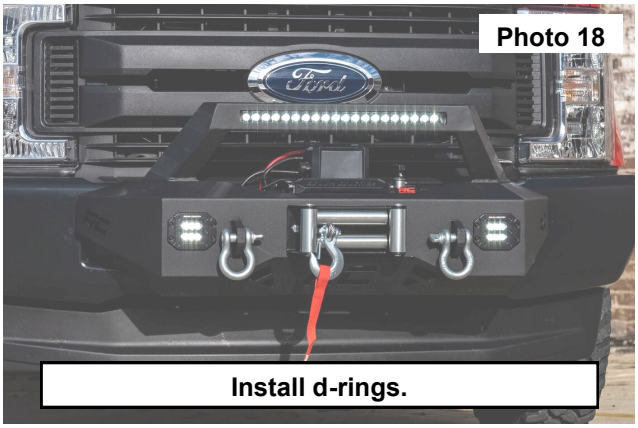
15. Install the supplied 12mm x 120mm bolt, lock washer, and flat washer in the bottom hole in the bumper, tighten all hardware in the bumper using an 18mm socket. Torque to 75ft-lbs for the 12mm bolts and 90ft-lbs for the 1/2" hardware. **See Photo 15.**
16. Install the flush mount lights and winch per instructions included in corresponding kits.
17. Install the light bar in the mount with instructions included in light bar kit. **See Photo 16.**





18. Install the light bar mount on the bumper with the supplied 12mm x 35mm bolts, flat washers and lock nuts. **See Photo 17.** Torque to using an 18mm wrench and 19mm socket.
19. Install the supplied d-rings. **See Photo 18.**





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