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# Rough Country 10770 Installation Instructions

Front Bumper with 20in LED Light Bar for F-150 (2015-2017)

Part number: 10770

trailfortress.com/front-bumper-f150-rough-country-10770

Scan for fitment, price and install help

921077000

# ROUGH COUNTRY SUSPENSION SYSTEMS®

# Ford 2015-17 F150 Front Bumper

**Thank you for choosing Rough Country for all your lighting 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 the design, function, and correct use of our products.

**⚠ NOTICE Rough Country LED lights are for off-road use only.**

**KIT CONTENTS:**

**1-Front Bumper**
**4– 2” LED Cubes**
**1– Dual Row 20” LED**
**2– 2 Into 1 Wiring Harnesses**
**1– Active Cruise Module Bracket**
**2– 3/8” Flat Washers**
**2– 3/8” Nylock Nuts**
**3– 1/4” x 1” Bolts**
**3– 1/4” Flat Washers**
**3– 1/4” Nylock Nuts**

**TOOLS NEEDED:**

**8mm Socket**
**10mm Socket**
**7/16” Socket/Wrench**
**9/16” Socket/Wrench**
**13mm Wrenches**
**21mm Socket**
**Ratchet**
**Torque Wrench**
**Flat Screwdriver**
**Marker**
**Die Grinder**



## INSTALLATION INSTRUCTIONS

1. Place the vehicle in park.
2. Remove the front bumper cover by pulling outward to remove it from the clips. **See Photo 1.**.

**Photo 1**

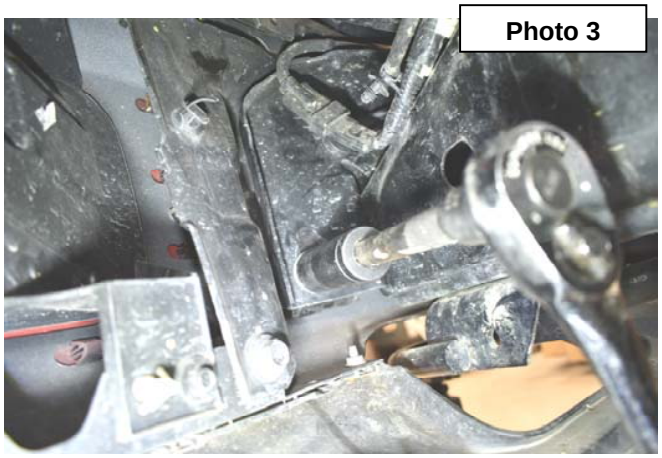


3. Unplug the fog lights. **See Photo 2.**
4. If equipped with Active Cruise, follow steps 28-31 to remove the active cruise module from the front bumper.
5. Using a 21mm socket, remove the (2) bumper mounting nuts from behind the bumper. Retain the factory flag bolts (2) for reuse. **See Photo 3.**

**Photo 2**



**Photo 3**



6. Using a 21mm socket, remove the (4) bumper mounting nuts from the front of the bumper. Retain for reuse. **See Photo 4.**
7. Carefully remove the factory bumper from the truck. We recommend 2 people or use a lift. **See Photo 5.**

**Photo 4**

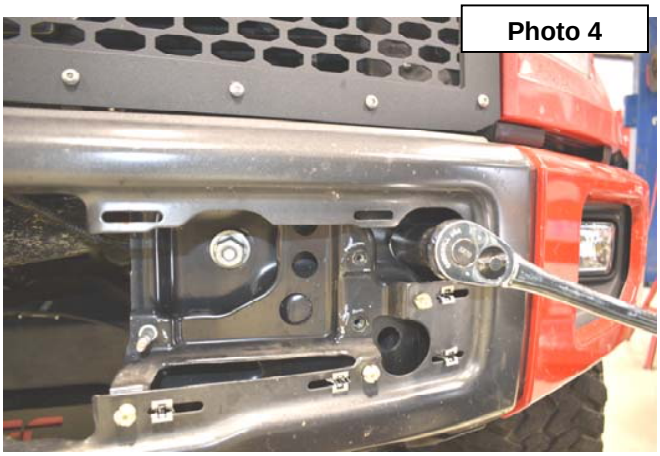


**Photo 5**



8. Remove the factory double flag bolt and retain for reuse. **See Photo 6.**
9. The light mounting brackets are stamped “D” for driver and “P” for passenger. Attach the brackets to the light, using the supplied hardware and snug using a 13mm wrench. **See Photo 7.**

**Photo 6**

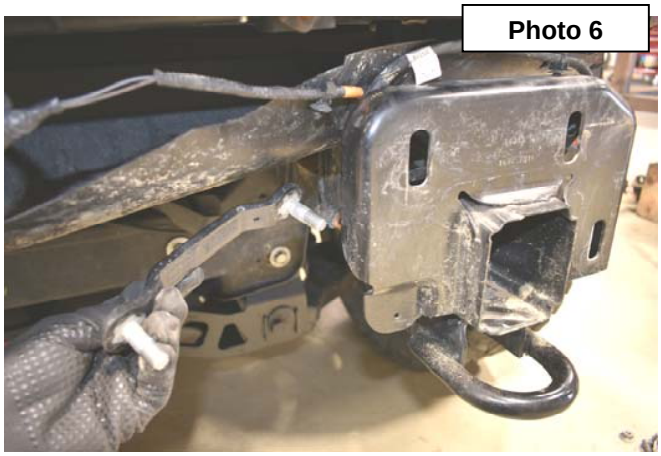
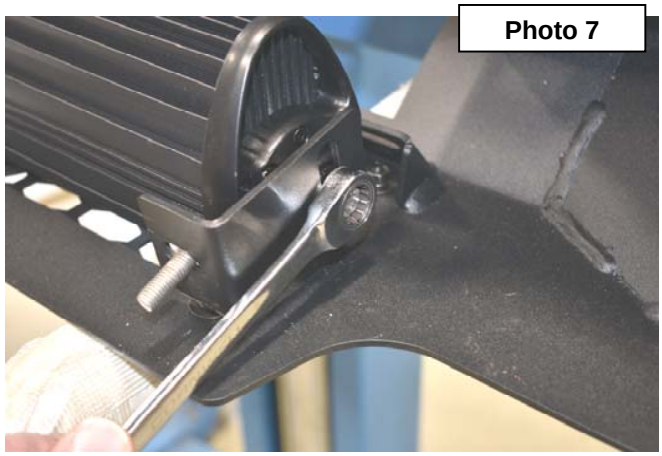


**Photo 7**



10. Attach the light bracket to the bumper using the supplied hardware. Position the light in the bumper opening and tighten the light hardware using 13mm wrenches. **See Photo 8.**

**Photo 8**

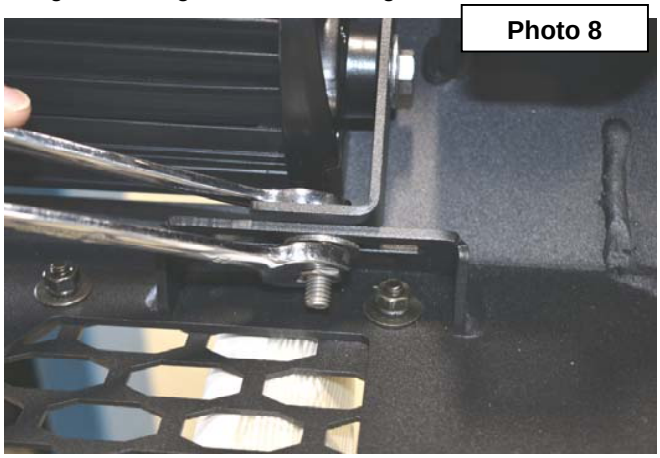
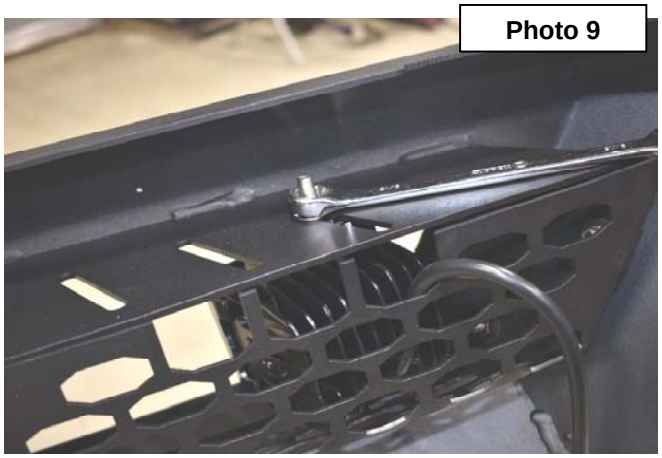


**Photo 9**



11. Install the 2" cube LED lights using the supplied hardware, making sure the wiring is run through upper part of the mesh. Set the light positions and tighten using a 9/16" wrench. **See Photos 9 & 10.**
12. Install the factory double flag bolt into the mounting brackets on the bumper. **See Photo 11.**

**Photo 10**

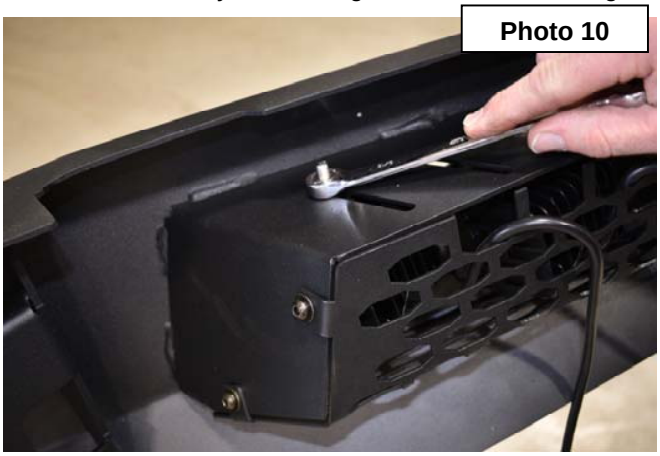
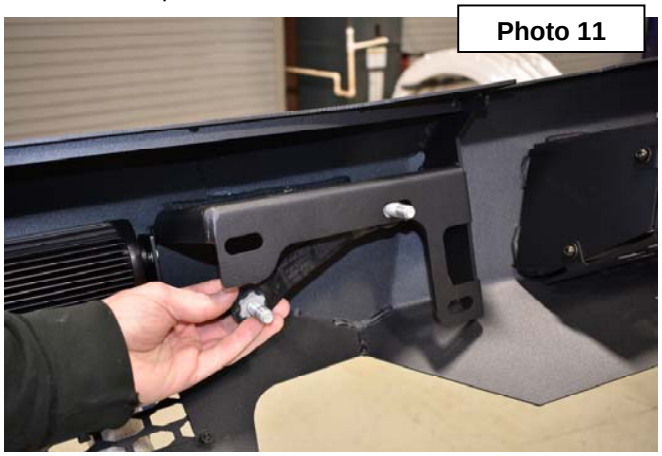


**Photo 11**

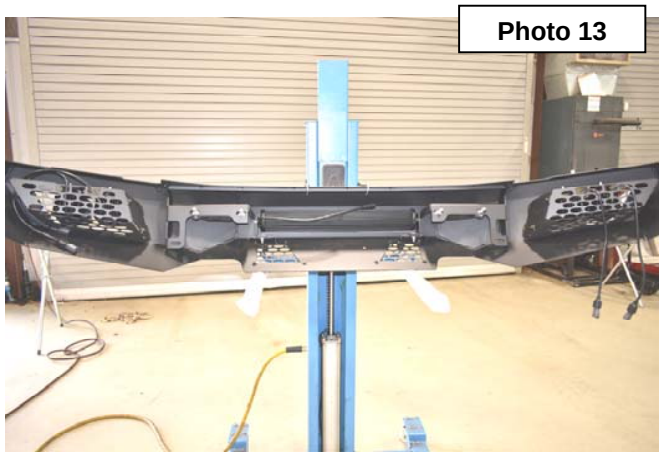


13. Install the (2) factory single flag bolts into the lower holes on the bumper mounting brackets. **See Photo 12.**
14. **Photo 13** shows the new bumper ready to be installed.

**Photo 12**



**Photo 13**



15. Install the bumper on the truck.
16. Adjust the bumper to the desired position and tighten the mounting hardware using a 21mm socket. Torque to factory specs. **See Photo 14.**
17. Wire the lights according to the instructions included with the lights.

**The following steps are for relocating the Adaptive Cruise module if factory equipped.**

18. Using a flat screwdriver, remove the push pins and the radiator cover from the truck. Retain for reuse. **See Photo 15.**

**Photo 14**



**Photo 15**



19. Gently pull camera washer hose out of the rubber grommet by gently loosening the black retainer clip. **See Photo 16.**
20. Unplug the front camera. **See Photo 17.**

**Photo 16**

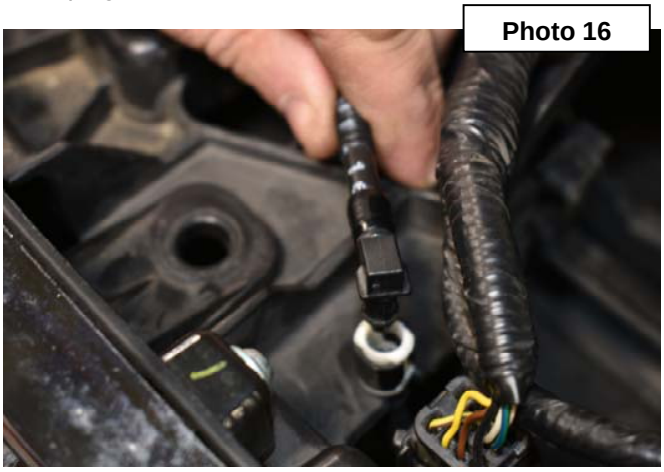
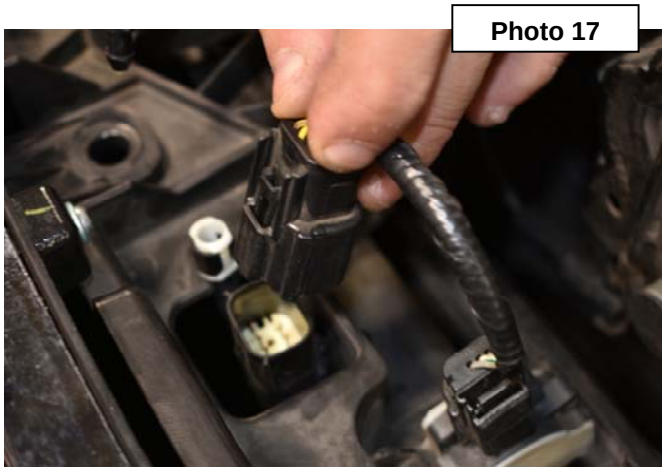


**Photo 17**



21. Unplug the grille shudder control. **See Photo 18.**
22. Remove the push pins and pull the light fascia loose, from the grille. Retain for reuse. **See Photo 19.**

**Photo 18**

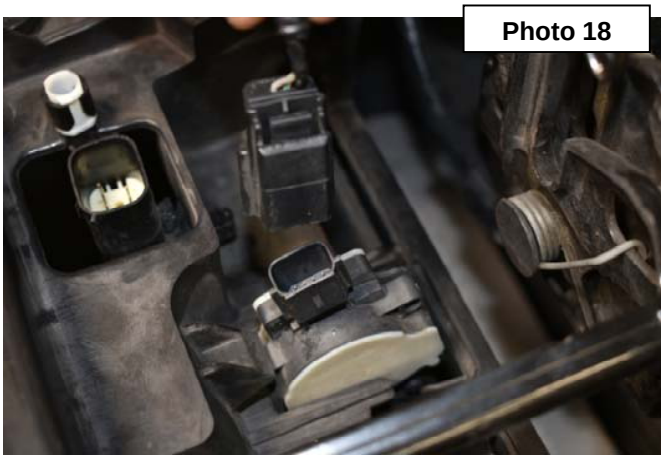
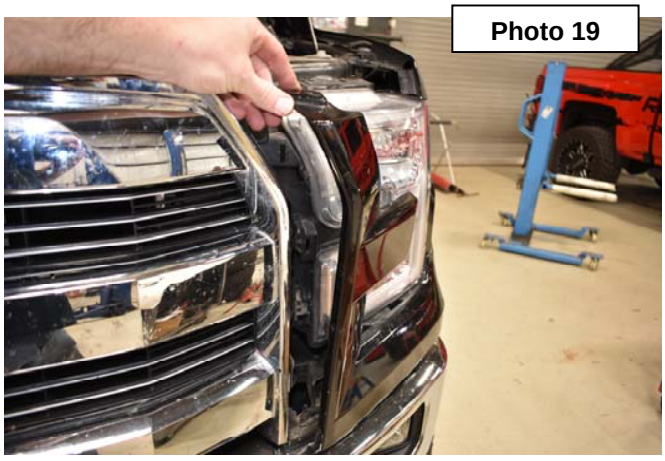


**Photo 19**



23. Using an 8mm or 10mm socket (depending on year model), remove the (4) grille side mounting bolts. Retain for reuse. **See Photo 20.**
24. Using an 8mm or 10mm socket (depending on year model), remove the top grille mounting bolts. Retain for reuse. **See Photo 21.**

**Photo 20**

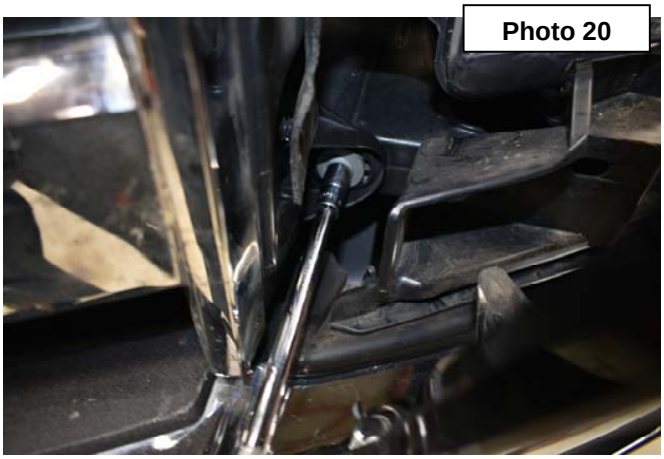
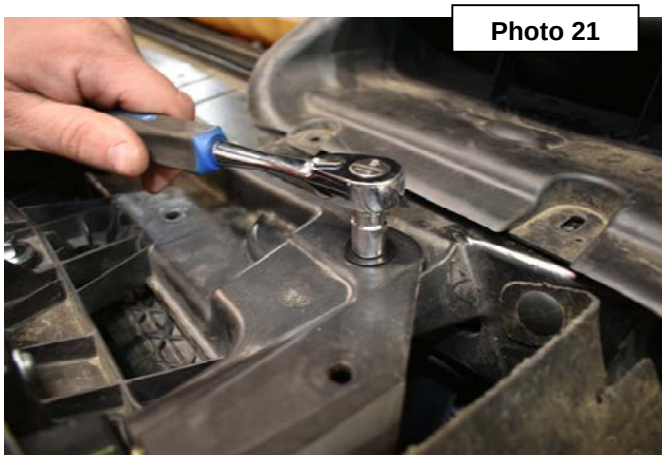


**Photo 21**



25. Remove the push pins from the grille. Retain for reuse. **See Photo 22.**
26. Using an 8mm socket, a 10mm socket, and flat screwdriver, remove the shudder system bolts and (4) push pins from the grille. **See Photos 23 & 24.**

**Photo 22**

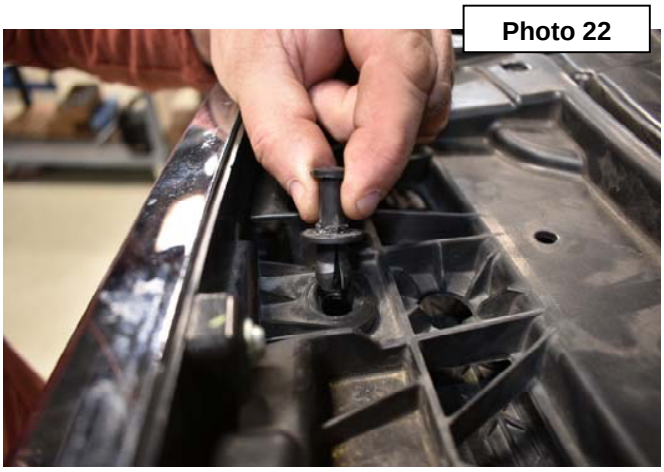
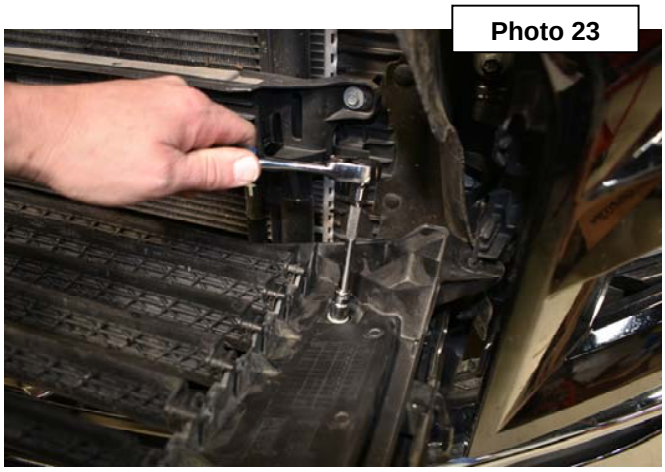
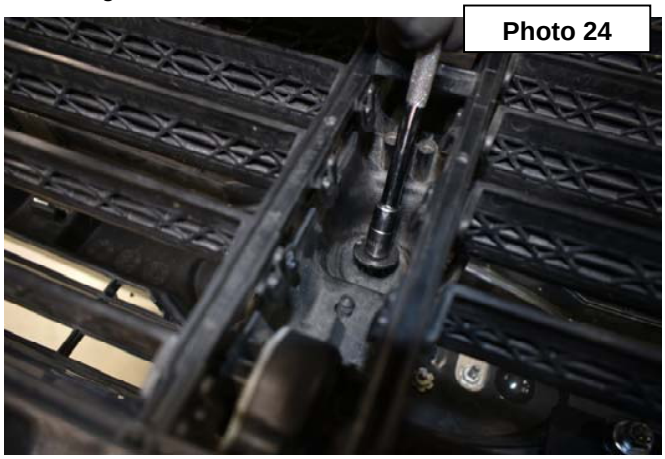


**Photo 23**



27. Unplug the camera washer hose and the camera wiring harness.
28. Remove the shudder system from the grille.

**Photo 24**



29. Unplug the adaptive cruise module. **See Photo 25.**
30. Carefully remove the wiring push pins from the bumper mounts. **See Photo 26.**

**Photo 25**

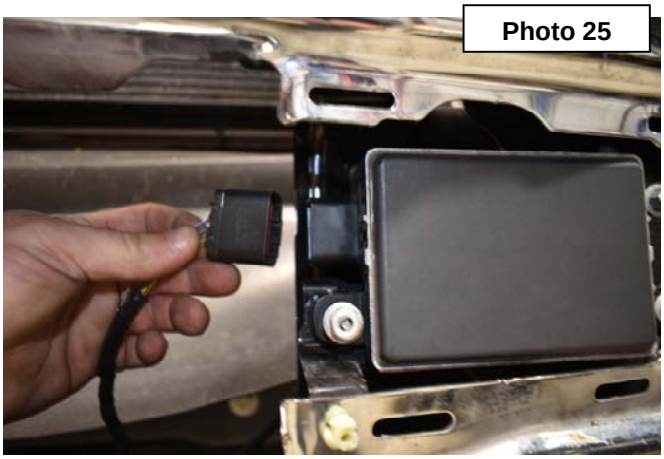
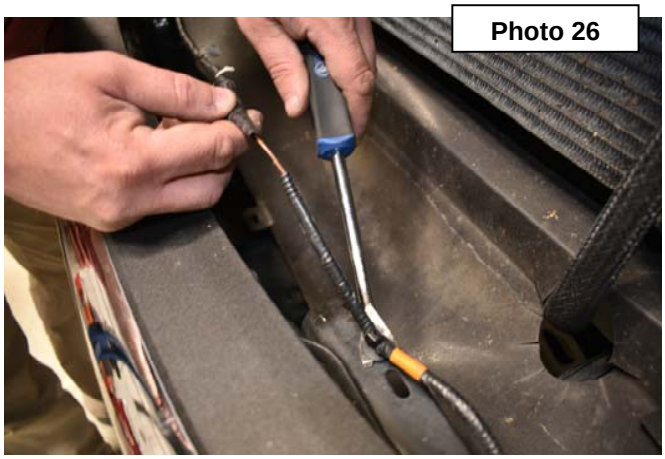


**Photo 26**



31. You should have plenty of slack in the adaptive cruise module wiring harness. **See Photo 27.**
32. Using an 11mm socket, remove the adaptive cruise module from the bumper. **See Photos 28 & 29.**

**Photo 27**

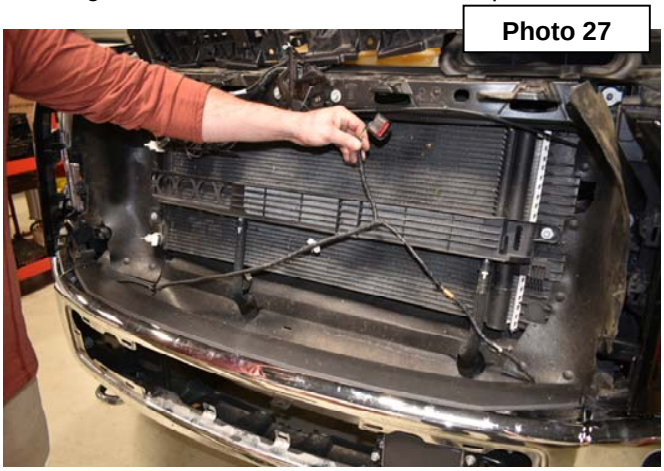
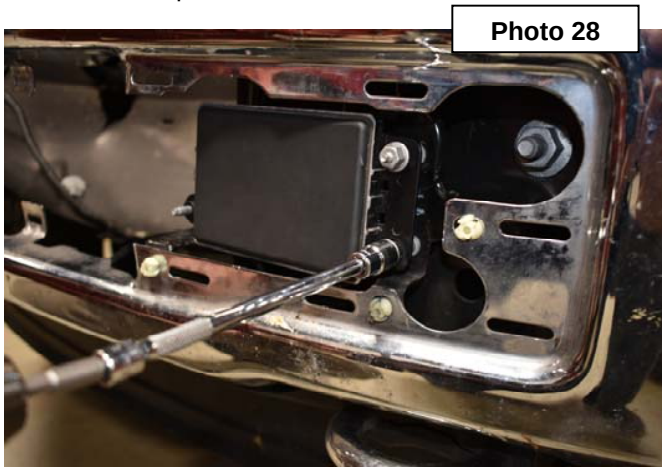


**Photo 28**



33. Install the adaptive cruise module on the supplied bracket, using the supplied 1/4" x 1" bolts, washers, and nylock nuts. **See Photo 30.**

**Photo 29**

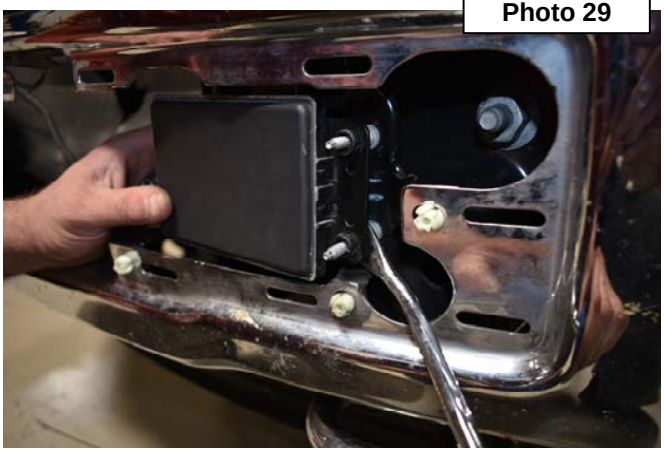


**Photo 30**



34. Tighten the adaptive cruise module hardware using a 7/16” socket and wrench, **slightly compress the bushings, do not over tighten**. **See Photo 31.**
35. Install the module assembly into the top of the grille as shown in **Photo 32.**

**Photo 31**

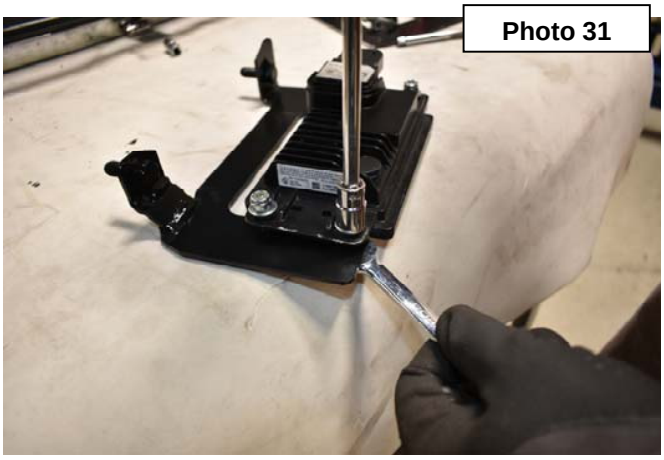
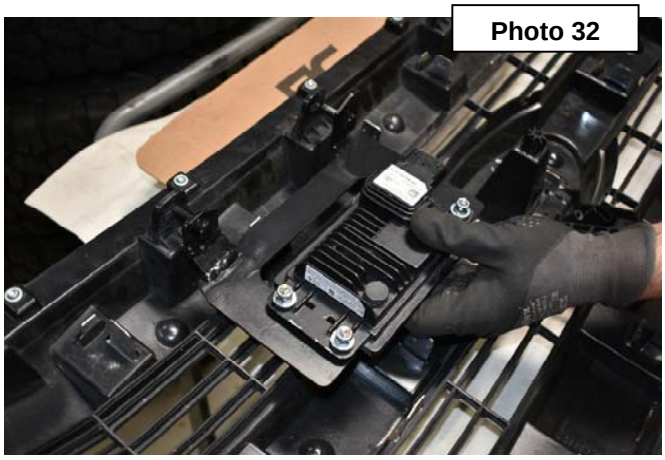


**Photo 32**



36. Install the shudder system on the grille. **See Photo 33.**
37. Place the supplied 3/8” nuts and washers on the module bracket but **leave very loose. See Photo 34.**

**Photo 33**

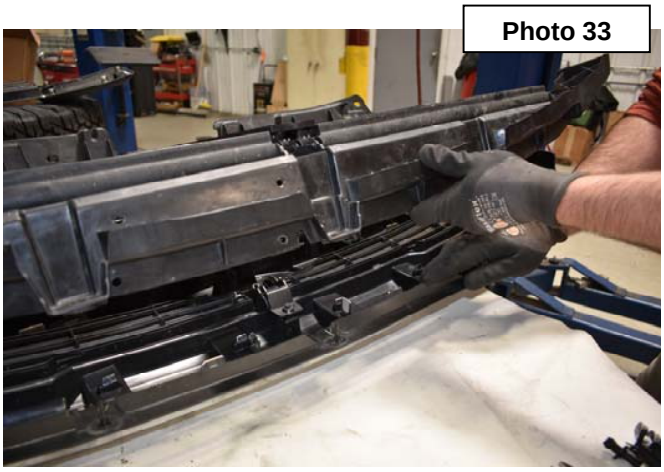
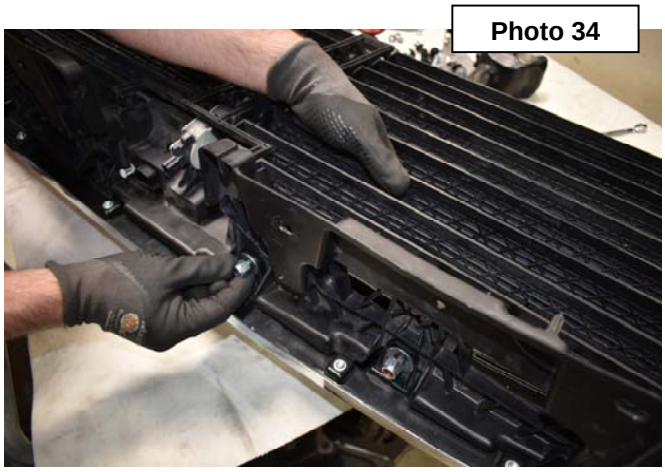


**Photo 34**



38. Mark the bottom of the grille as shown. This is to allow the adaptive cruise module wiring harness to pass through the grille and between the grille and the shudder system. **See Photo 35.**
39. Using a die grinder cut out along marks made in step 33. Sand or file edges smooth. **See Photo 36.**

**Photo 35**

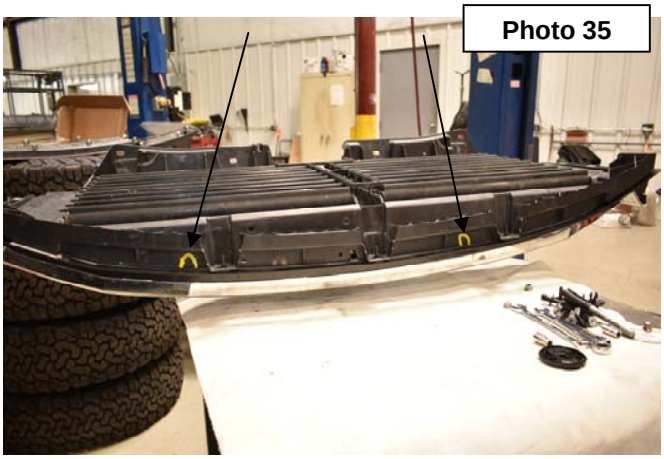
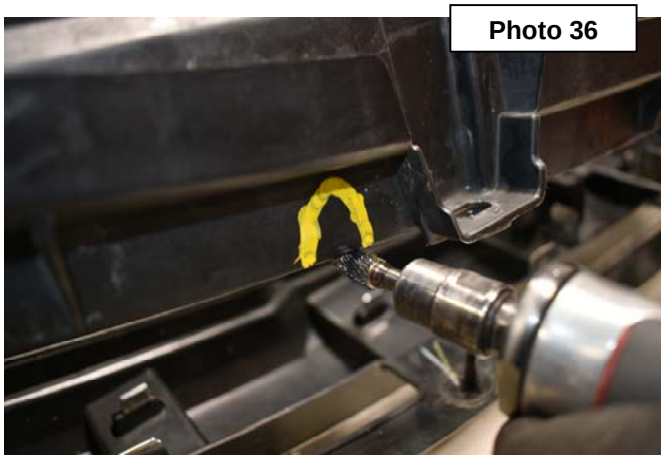


**Photo 36**



40. Between the shudder system and the grille, plug in the camera washer hose. **See Photo 37.**
41. Plug in the front mounted camera wiring harness. **See Photo 38.**

**Photo 37**

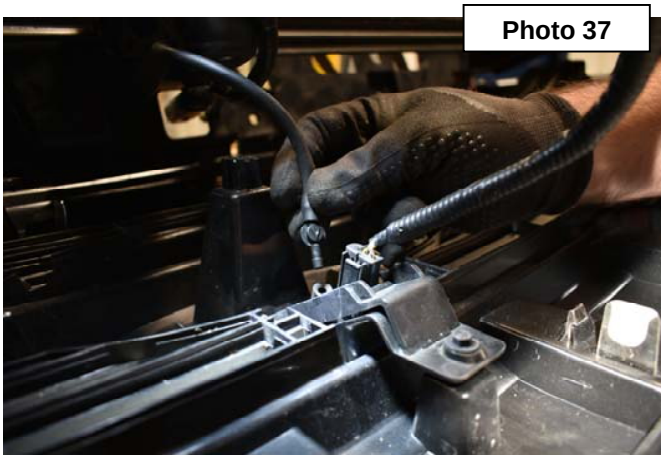
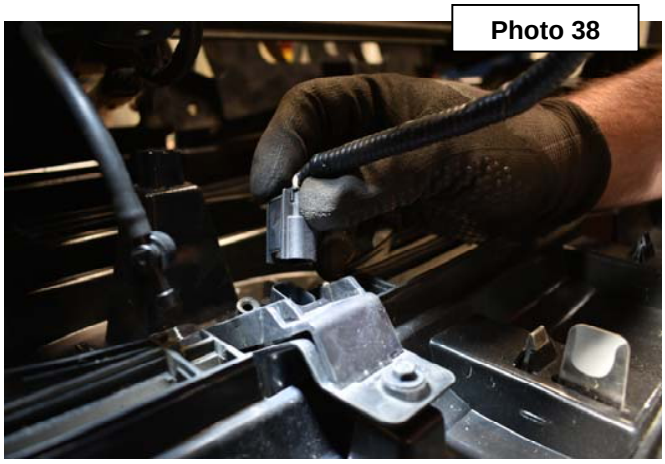


**Photo 38**

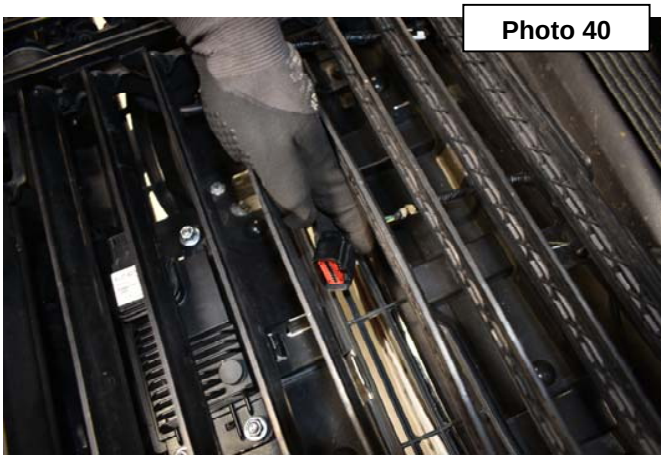


42. Move the grille assembly to the front of the truck and lay face down. **See Photo 39.**
43. Pull the active cruise module wiring harness up between the grille and the shudder system. **Make sure the wiring harness is routed through the clearance holes made in step 36. See Photo 40.**
44. Plug in the active cruise module.

**Photo 39**



**Photo 40**



45. Attach the shudder system to the grille using the factory hardware. Tighten using an 8mm and a 10mm socket. **See Photos 41 & 42.**

**Photo 41**

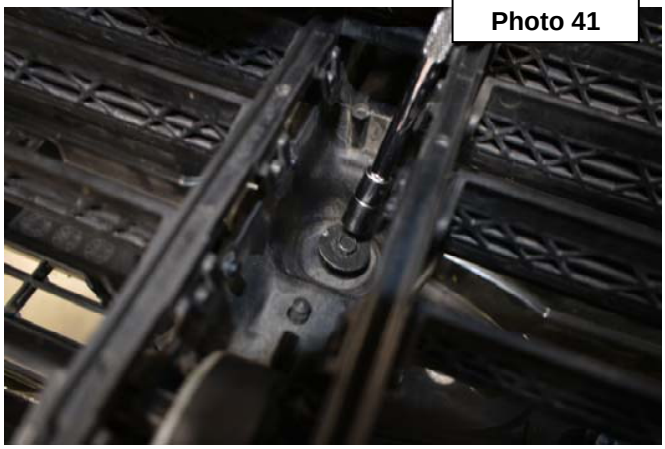
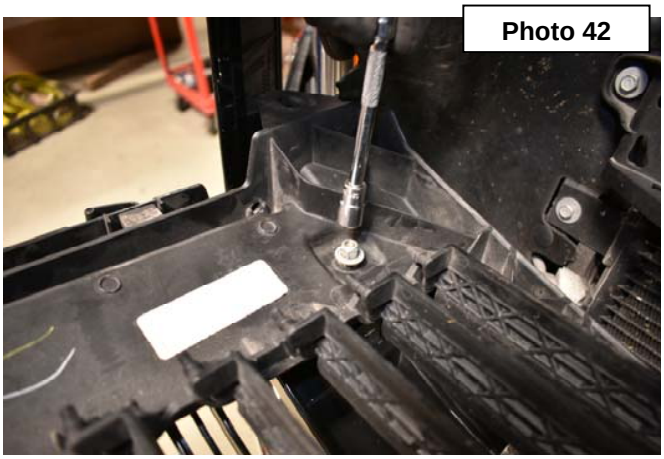


**Photo 42**



46. Install the grille on the truck.
47. Tighten the active cruise module mounting bolts using a 9/16” socket, **do not over tighten**. **See Photo 43.**
48. Plug in the camera washer hose. **See Photo 44.**

**Photo 43**

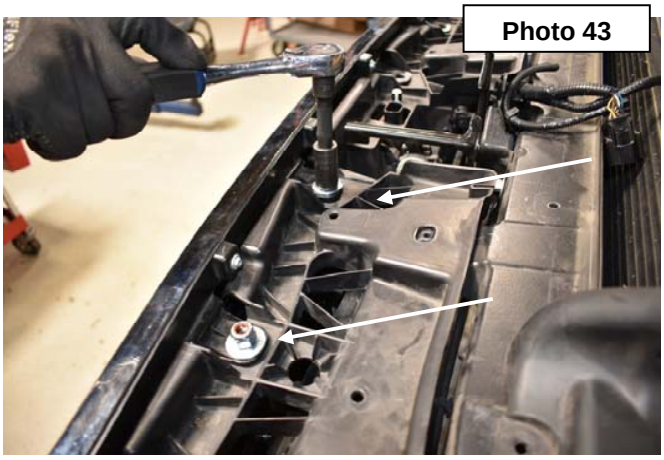


**Photo 44**



49. Plug in the shudder system. **See Photo 45.**
50. Plug in the camera wiring harness. **See Photo 46.**

**Photo 45**

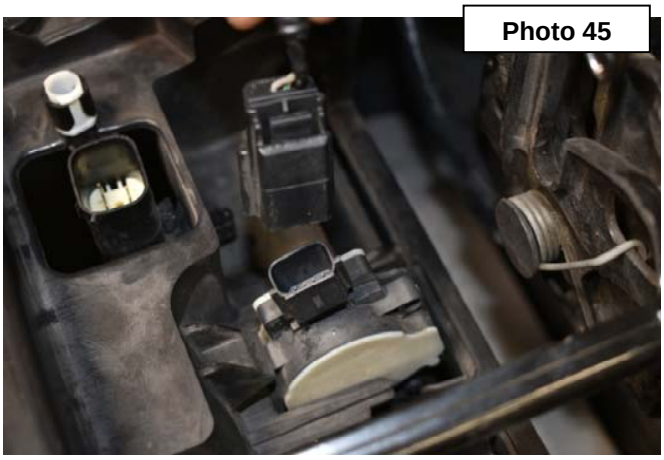


**Photo 46**



51. Install the factory side mounting bolts and tighten using an 8mm or 10mm socket (depending on year model). **See Photo 47.**
52. Attach the top of the grille using the factory push pins and the factory bolts, tighten using an 8mm or 10mm socket (depending on year model). **See Photo 48.**

**Photo 47**

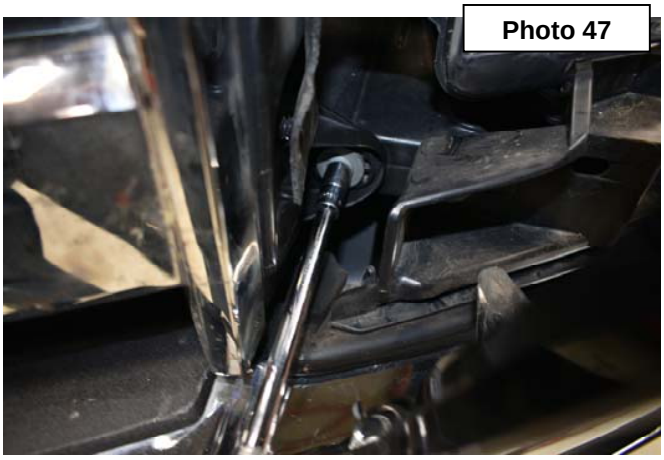


**Photo 48**

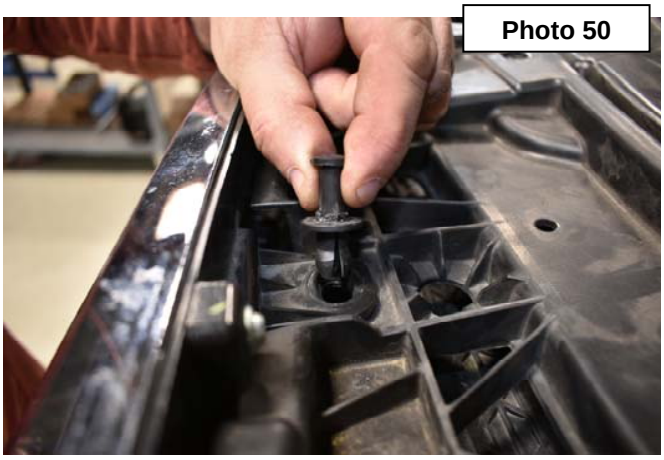


53. Install the light fascia. **See Photo 49.**
54. Install the factory push pins. **See Photo 50.**

**Photo 49**



**Photo 50**



55. Install the radiator cover using the factory push pins. **See Photo 51.**

**Photo 51**



To wire your Rough Country LED lights into your factory Ford Upfitter switch, just enter link below into your web browser.

**https://www.fleet.ford.com/truckbbas/topics/bodybuild.html**

Next, click on the year of your vehicle then the model if shown. Finally, choose the electrical option and follow index to the Upfitter Switch section.

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