

ROUGH COUNTRY

SUSPENSION SYSTEMS®

FORD 2019-20 Ranger Front 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.

Periodically check all hardware for tightness.

KIT CONTENTS:

20" Dual Row LED Light Kit x1
 2" Cube LED Lights Kit x2
 20" LED Light Brackets x2
 Front Bumper x1
 Driver Side Bumper Panel x1
 Pass Side Bumper Panel x1
 Adaptive Cruise Control Bracket x1

TOOLS NEEDED:

2.5mm Allen Wrench
 4mm Allen Wrench
 10mm Wrench or Socket
 13mm Wrench or Socket
 15mm Wrench or Socket
 21mm Wrench or Socket
 Paint Marker
 Auto clip removal tool

HARDWARE INCLUDED:

Sensor Seal Foam x4
 Sensor Block Off Plugs x4
 Sensor retaining clip x4
 6mm x 35mm Button Head Bolt x3
 6mm Lock Nut x5
 6mm Flange Lock Nut x4
 6mm Flat Washer x14
 4mm x 10mm Button Head Bolt x8
 6mm x 20mm Button Head Bolt x2
 6mm x16mm Button Head Bolt x4
 8mm Lock Washer x4
 8mm Flat Washer x6
 8mm Hex Nut x2
 8mm x 16mm Hex Head Bolt x2
 8mm x 25mm Hex Bolt x2

Torque Specs:

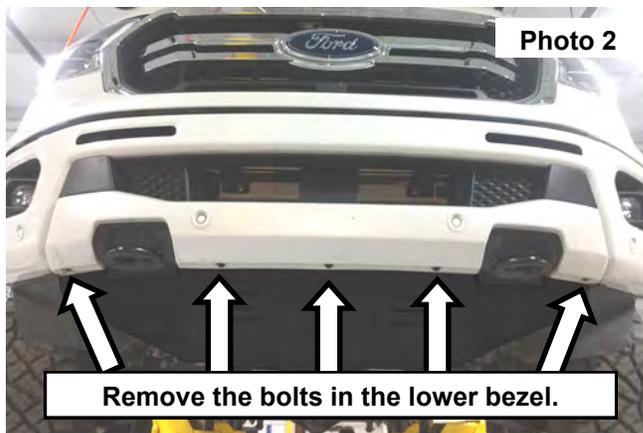
Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16"	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8"	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16"	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2"	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16"	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8"	135ft/lbs	175ft/lbs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





INSTALLATION INSTRUCTIONS

1. Support the lower skid plate and remove the (4) bolts using a 15mm socket. **See Photo 1.**
2. Remove the (5) lower bumper bezel bolts using a 10mm socket. **See Photo 2.**



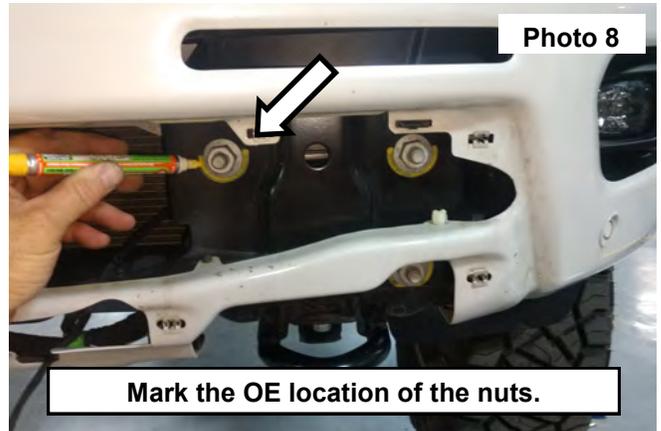
3. Locate the (5) clips in the center bumper bezel. **See Photo 3.**
4. Remove the clips from the center of the bumper using an auto clip removal tool. **See Photo 4.**



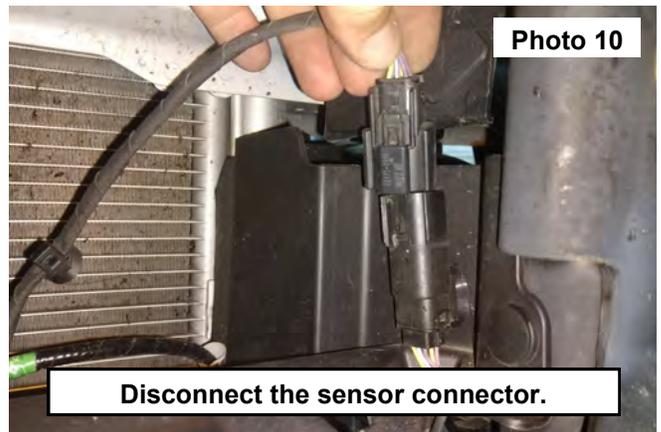
5. Remove the front bezel from the bumper. Release the 10 clips on the inside of the bumper. **See Photos 5 and 6.**



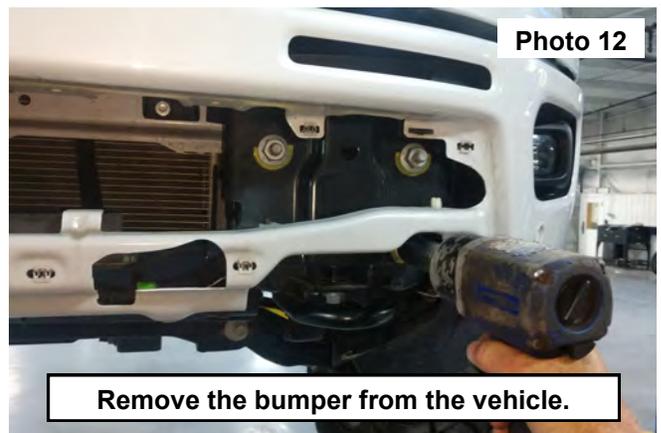
6. Remove the driver and passenger tow hook covers. **See Photo 7.**
7. Mark the OE location of the factory nuts. **See Photo 8.**



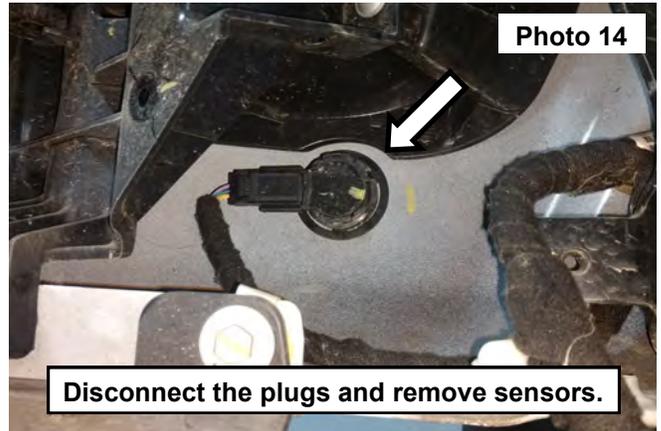
8. Remove the push pin using a auto clip removal tool and the (2) bolts from the bumper brace using a 10mm socket. **See Photo 9.**
9. Disconnect the sensor connector. **See Photo 10.**



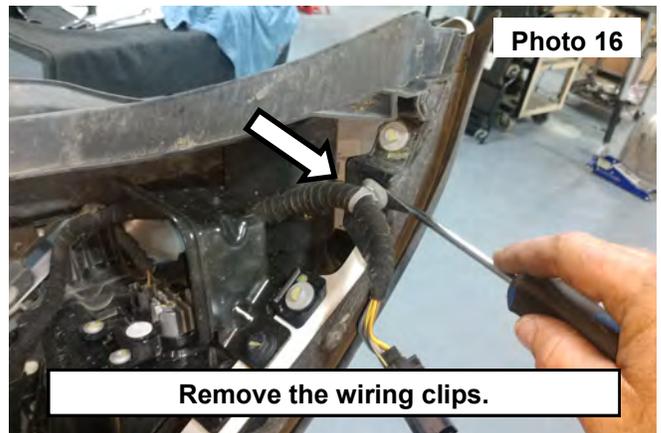
10. Disconnect the adaptive cruise control module plug. **See Photo 11.**
11. Support the bumper. Do not get under the bumper with out it being supported.
12. Using a 21mm socket remove the (3) nuts on each side securing the bumper to the vehicle. **See Photo 12.**



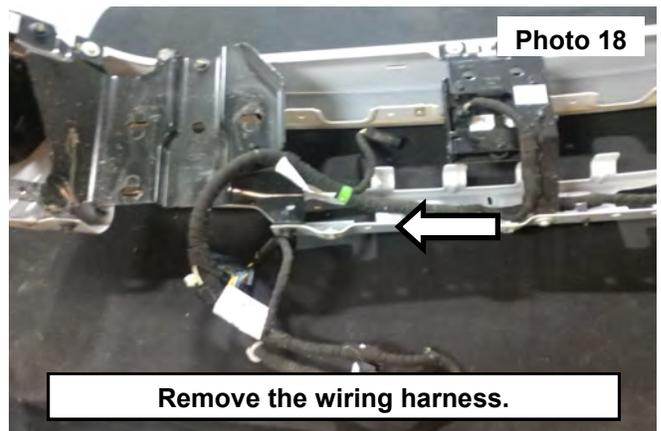
13. Remove the bumper from the vehicle. Set the bumper in a safe place to remove the sensors and wiring. **See Photo 13.**
14. Disconnect the front sensor plugs. Then remove the sensor from the front bumper. **See Photo 14.** Retain the sensors for reuse.



15. Disconnect the fog light wiring harness from the each light. **See Photo 15.**
16. Using a pry tool remove the wiring clips from the bumper support. **See Photo 16.**



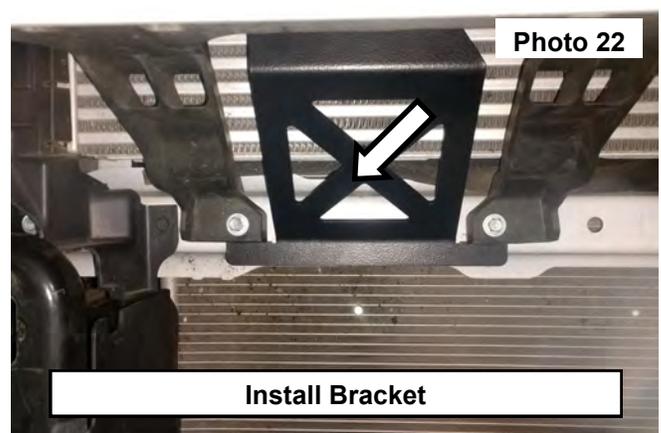
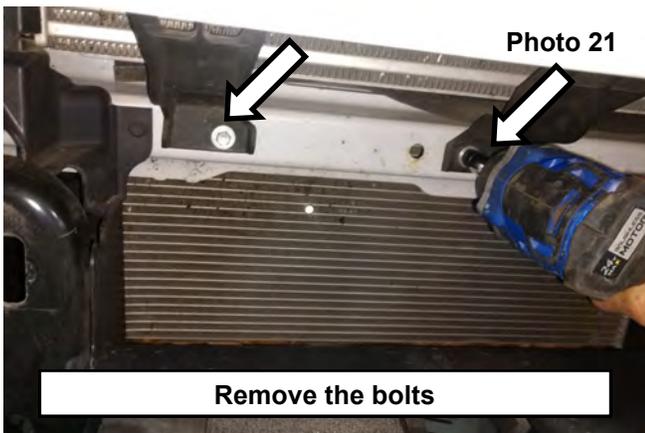
17. If equipped disconnect the adaptive cruise control module. Use a 15mm socket to remove the (3) bolts and the adaptive cruise control module from the front bumper. **See Photo 17.**
18. Remove the wiring harness from the front bumper. **See Photo 18.** Retain the harness for later use.



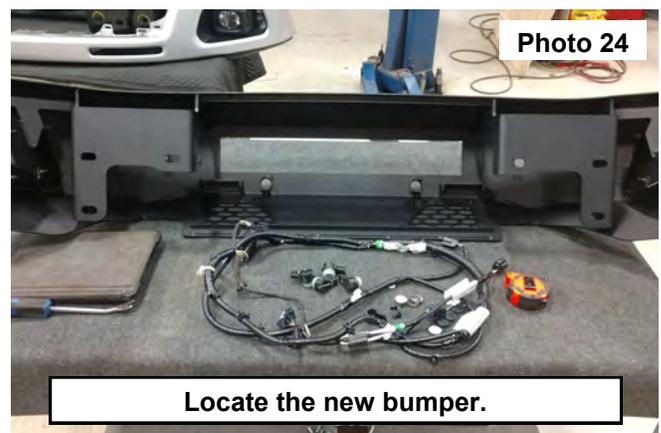
19. Locate the adaptive cruise control module bracket. **See Photo 19.**
20. Place the adaptive cruise control module onto the bracket and secure using (3) of the supplied 6mmx35mm Button Head Bolts (6) 6mm Flat Washers and (3) 6mm Nylock Nuts. Tighten using a 4mm allen wrench and a 11mm socket. **See Photo 20.**



21. Remove the (2) bolts in the lower grille support using a 10mm socket. **See Photo 21.**
22. Place the adaptive cruise control module and bracket behind the lower grill support. This will place the adaptive cruise control module behind the grille of the vehicle. **See Photos 22 and 23.**



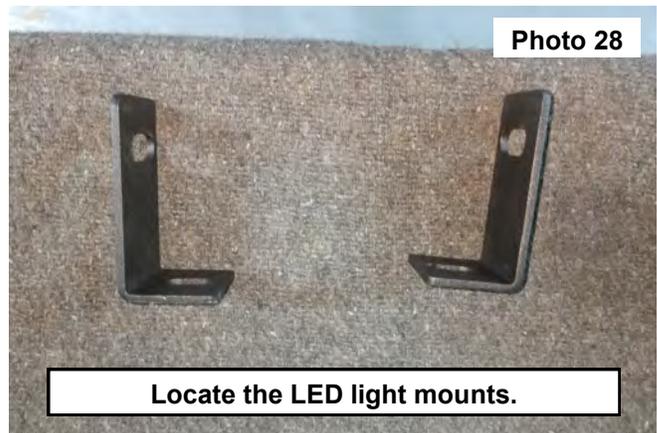
23. Photo 23 shown with the upper grille trim removed to show placement of the adaptive cruise control module.
24. Place the new bumper on a table for easy installation of the lights and stock wiring harness. **See Photo 24.**



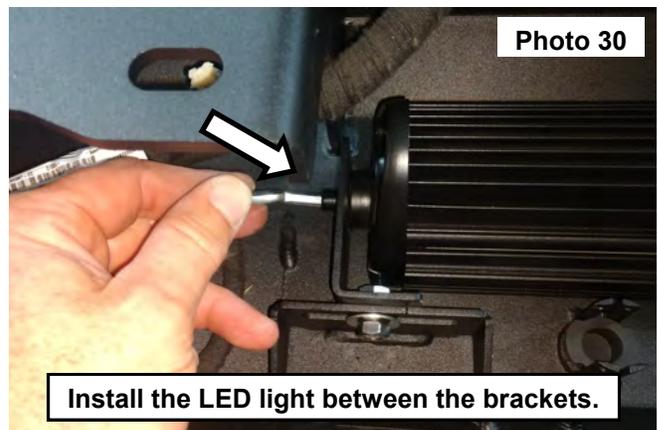
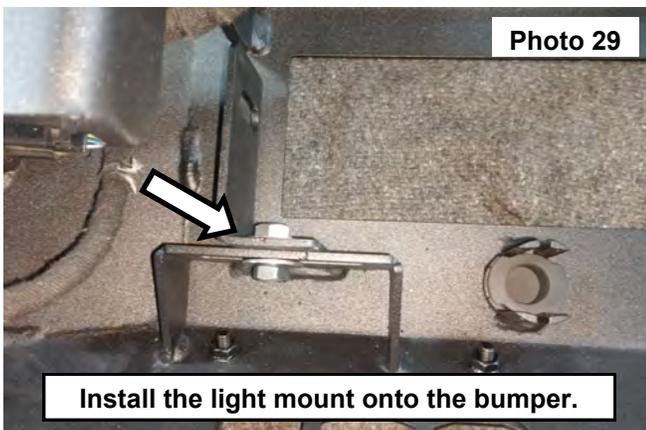
25. If not equipped with factory sensors. Install the supplied flush mount rubber block off plugs into the sensor mounts holes in the bumper and secure with the plastic clips.
26. Install the factory sensors into the bumper. Secure using the sensor retaining clip on top of the sensor or supplied bolts in the threaded base. **See Photos 25 and 26.**



27. Connect the wiring harness to the sensors and secure it to the bumper. **See Photo 27.**
28. Locate the 20" LED light mount brackets. **See Photo 28.**



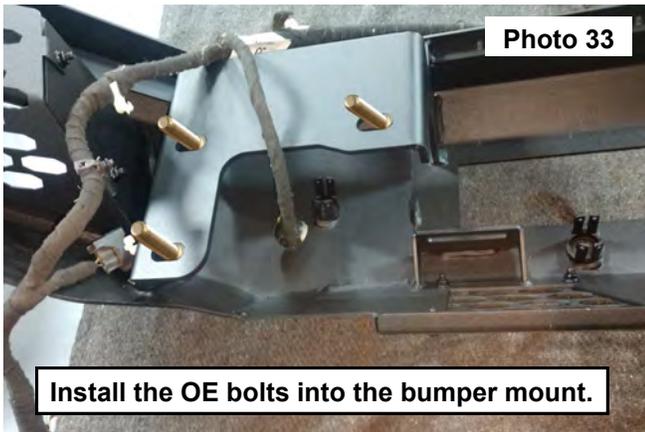
29. Place the LED light brackets onto the bumper mount and secure using (2) of the supplied 8mmx25mm Hex Head Bolts , (4) 8mm flat Washers and (2) 8mm Nylock nuts. Do not tighten at this time. **See Photo 29.**
30. Install the 20" LED light bar in-between the mounting brackets using (2) of the supplied 8mm x 16mm Hex Head Bolts (2) 8mm Flat Washers. Adjust the light to the desired position and tighten using a 4mm allen wrench. **See Photo to 30.**
31. Center the light in the bumper. Then tighten the bracket to the bumper hardware using a 13mm wrench.



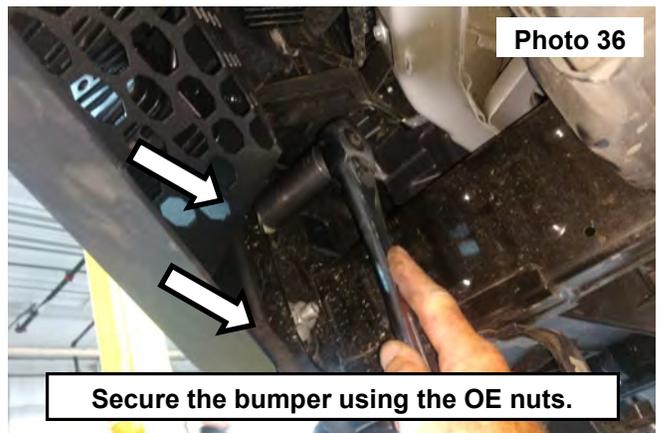
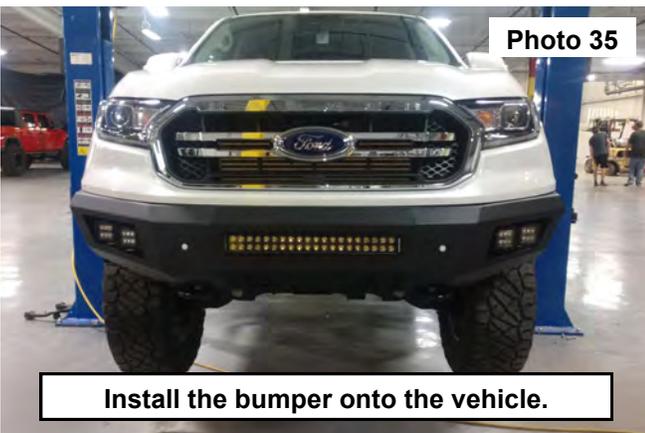
32. Install the outer 2" LED lights into the bumper mounts using the supplied hardware in the light kit. **See Photos 31 and 32.**



33. Install the wiring harnesses for the outer 2" LED cube lights and the center 20" LED light to the battery of the vehicle.
34. Remove the bolts from the front bumper frame brackets. Then install the bolts into the bumper from the front toward the back on each side of the bumper. **See Photo 33.**
35. Support the bumper for installation onto the vehicle. Do not get under the bumper without it being supported. **See Photo 34.**



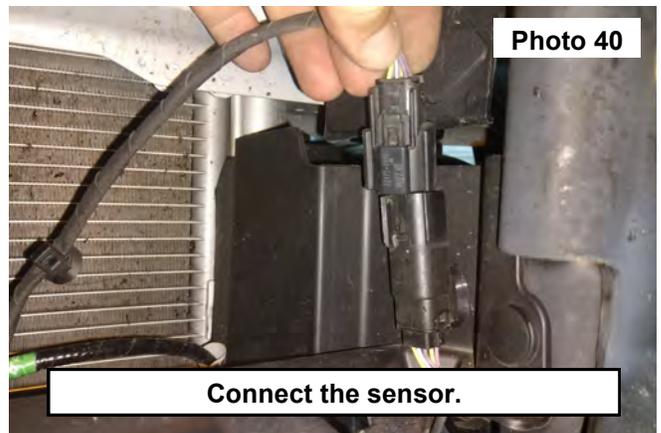
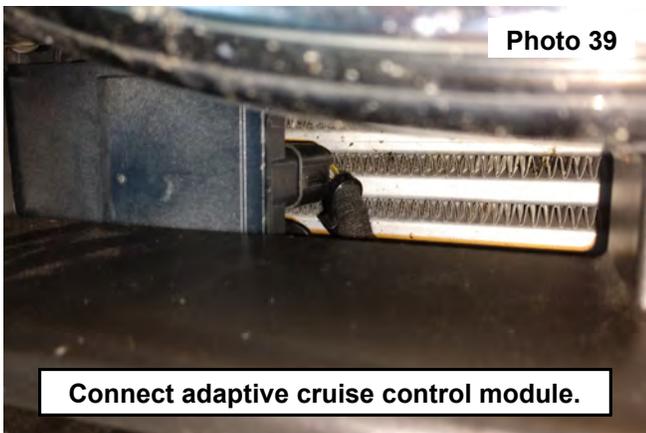
36. Install the bumper onto the vehicle using the OE bolts installed into the bumper. **See Photo 35.**
37. Secure the bumper using the retained OE nuts. Snug the nuts so the bumper can be adjusted using a 21mm socket. **See Photo 36.**



38. Center the bumper and adjust the bumper height to align with the upper trim panel on the front of the vehicle. See **Photos 37 and 38.**



39. Connect the wiring harness to the adaptive cruise control module behind the grille. See **Photo 39.**
40. Connect the sensor connector. See **Photo 40.**



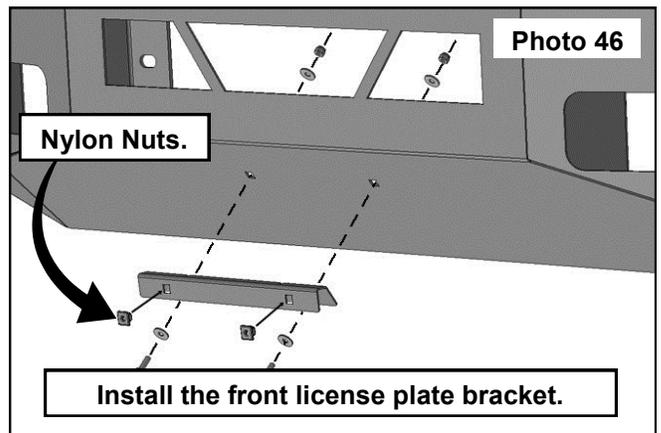
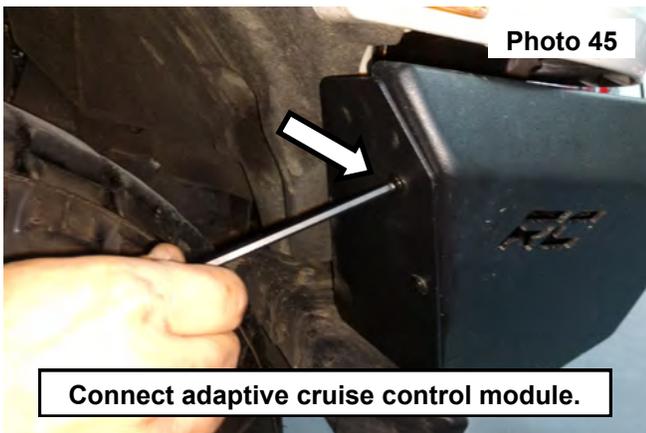
41. Connect the adaptive cruise control module plug. See **Photo 41.**
42. Connect the wiring harness plugs to the 2" LED lights and the 20" center light. Then connect the wiring harnesses to the battery on the vehicle and secure any loose wiring.
43. Adjust the LED lights to the desired angle. Then tighten all hardware. See **Photo 42.**



44. Locate the (2) holes in the end cap of the bumper. **See Photo 43.**
45. Place the side trim panel onto the end cap of the bumper. **See Photo 44.**



46. Secure the side trim panel to the end cap using (2) of the supplied 6mm x 16mm Button Head Bolts, (2) 6mm Flat Washers and 6mm Flange Lock Nuts. Tighten using a 4mm allen wrench and a 10mm socket. **See Photo 45.**
47. Install the front plate bracket if required to display front plate, using (2) of the supplied 6mm x 20mm button head bolts, (4) flat washers and (2) 6mm nylock nuts. Place the (2) nylon nuts into the bracket. **See Photo 46.** Tighten using a 10mm wrench and a 4mm Allen wrench.



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