Baja Designs 448076 Installation Instructions

S8 20 Inch Behind Bumper Kit for Toyota Tundra

Part number: 448076

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Scan for fitment, price and install help

2022 Toyota Tundra S8 Lower Bumper Kit
44-8076, 44-8077



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***For a color copy of instructions, visit your vehicle specific application on BajaDesigns.com ***

Tools Required

* 10mm, 12mm, 7/16” socket	*3/4” drill bit	*17mm wrench
*Phillips head screwdriver	* Trim removal tool	

To begin, make sure the vehicle is in park, on level ground and the parking brake is engaged.

1. Using a 10mm socket, remove the 5 frontmost screws from the driver side inner wheel well to release the front edge of the fender flare. Carefully pull the front of the fender flare away from the fender until the clips release up to near the back of the headlight.

2. Repeat step 1 for the passenger side of the vehicle.

1a.



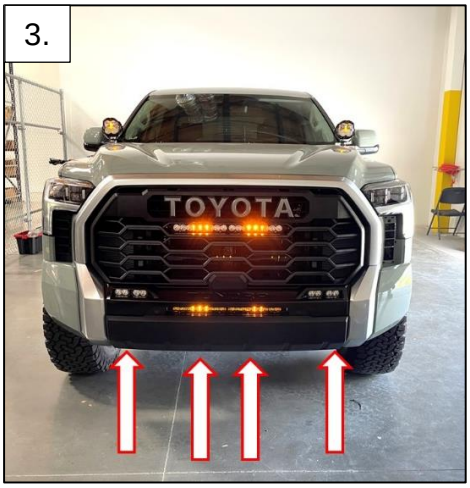
1b.



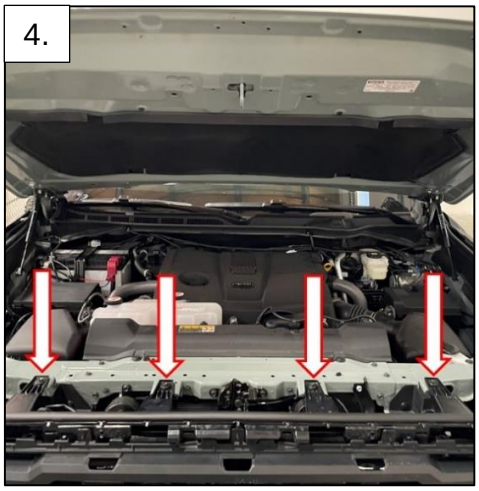
3. Using a 10mm socket, remove the 4 bolts securing the lower bumper assembly.

4. Using a 10mm socket, remove the 4 bolts securing the upper grill.

3.



4.



5. Remove the electrical connectors from the top of the grill near the top of the radiator. For TRD models, there are two on the driver side and two on the passenger side. For non-TRD models, there are two on the passenger side and one on the driver side.

6. Using a trim tool or flathead screwdriver, remove the 2 plastic push rivets from either side of the grill near the previously disconnected electrical connectors.

5.



6.



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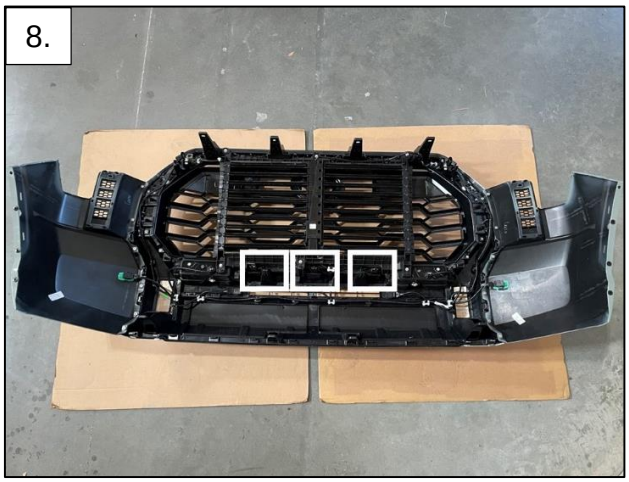
7. Starting from inside the driver side fender well, carefully pull the front clip sideways and forward to release all the clips under the headlight and grill vent. Repeat for the passenger side.

8. With the help of an assistant, carefully remove the front clip of the vehicle by pulling forward and set it on a soft work surface. There are three clasping features that will release with a light tug and an audible click.

7.



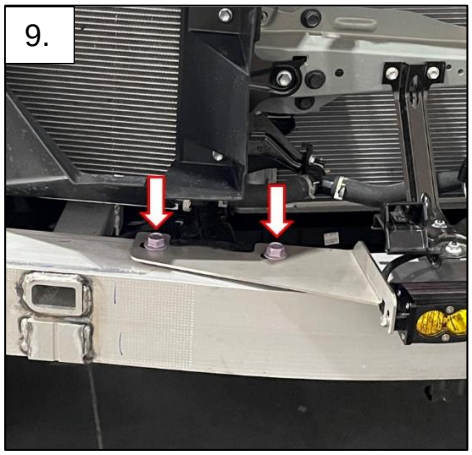
8.



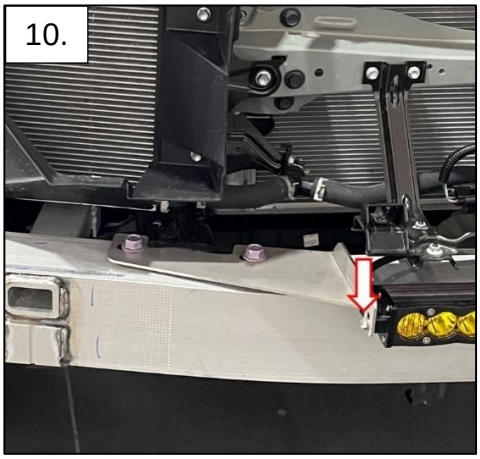
9. Using a 17mm wrench, remove the 4 frame horn bolts securing into the bumper structure illustrated in the photo. Attach the Driver and Passenger side Tundra specific S8 mounting brackets and replace the bolts only hand tight.

10. Using the provided hardware and a 7/16” socket, attach the S8 to the brackets. Test fitting the front clip is recommended to center and ensure proper vertical alignment. Once aimed, tighten the 17mm and 7/16” hardware.

9.



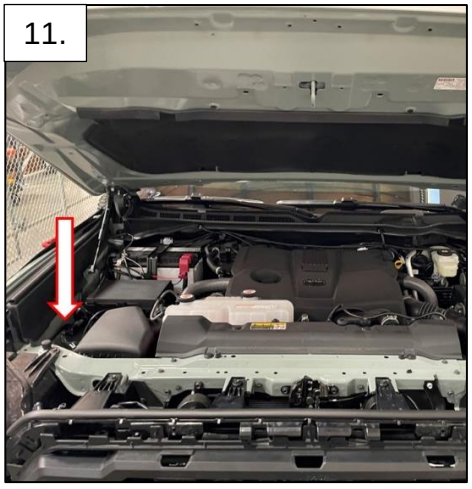
10.



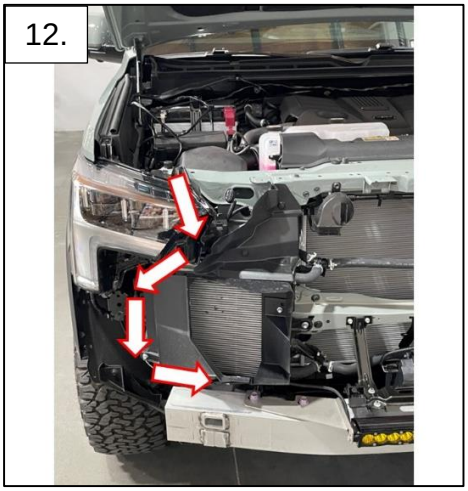
11. Locate the included wiring harness and mount the relay to the common ground located next to the passenger side air box using the mounting tab on the relay.

12. Locate the light connector lead of the wiring harness and run it towards the radiator and down to the S8. Plug the harness into the light. Make sure to keep wires away from all sharp, hot, rotating, or pinching parts.

11.



12.



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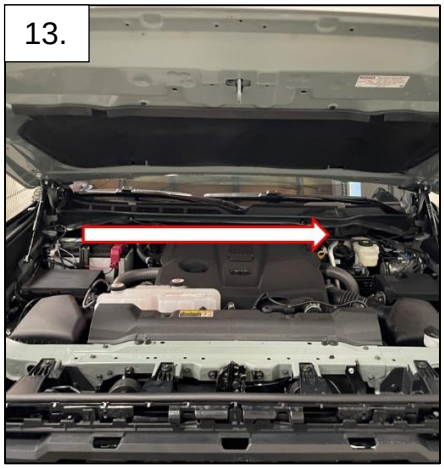
13. Run the switch lead along the firewall and to the wiring passthrough located to the right of the brake master cylinder.

14. Select a location on the dash for the switch. Suggested location are outlined in photo 14a. Check for clearance behind the panel and drill a ¾" hole for the switch. To access behind this panel, remove the dash endcap by carefully prying from the bottom of the panel as illustrated in photo 14b.

13.



14a.



14b.



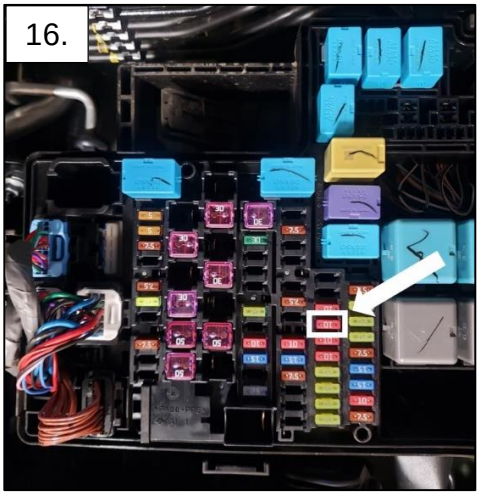
15. Take a reference photo of the switch wiring. Disconnect the spade connectors and run the wires through the firewall and switch hole. Plug the switch back in and install it into the hole.

16. Open the passenger side fuse box located near the air cleaner. Find the ignition fuse shown in photo 16.

15.



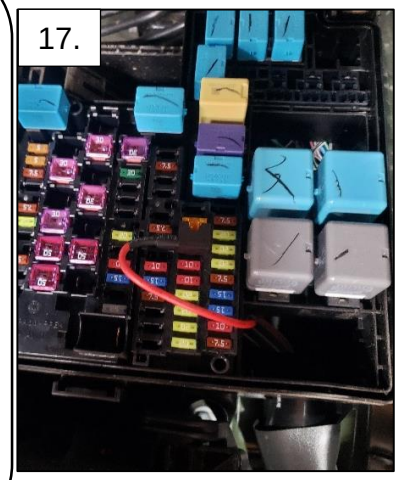
16.



17. Remove the 10-amp fuse and insert the fuse tap from the backlit add-on kit into the fuse slot. Insert the 10-amp fuse in the open slot in the fuse tap. Run the fuse tap wire out of the bottom of the fuse box and replace the cover.

18. Plug the backlit wire into the fuse tap and run it along the firewall, around the passenger side air box and to the light connector of the main harness illustrated in 18a. Open the main harness connector lock and insert the wire into slot C shown in 18b. Make sure the wire terminal clicks into place and close the connector lock.

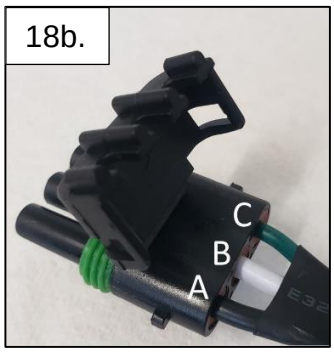
17.



18a.



18b.



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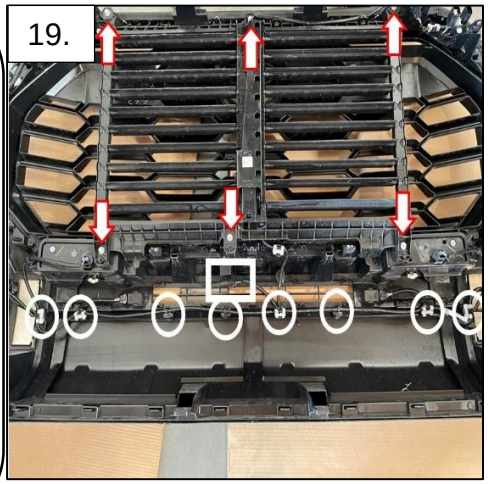
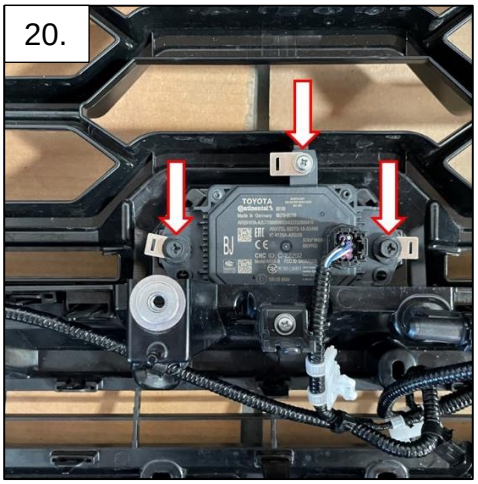
19. Using a trim tool, remove the 9 plastic clips (circled) around the lower grill opening and the intake air temp sensor (boxed). Using a 10mm socket, remove the 6 bolts (arrowed) holding in the radiator shutter assembly. Disconnect the shutter assembly harness located at the top of the grill and remove the assembly.

20. Using a Phillips head screwdriver, remove the 3 bolts holding in the adaptive cruise control module. Install the 3 zip tie tabs and replace the Phillips head bolts.

19.



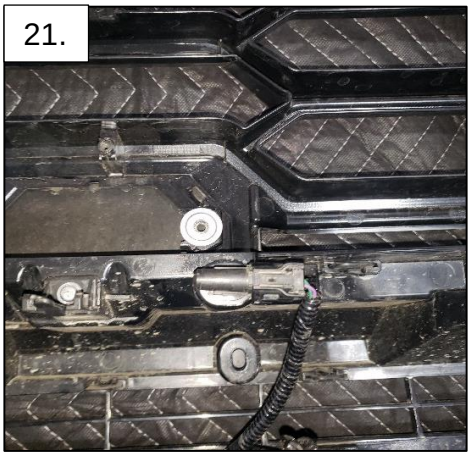
20.



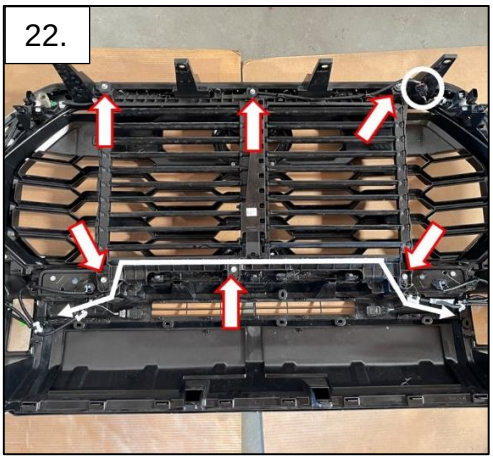
21. Reroute the wiring to be between the shutter assembly and the grill and secure using zip ties as shown in photo 22. Relocate the intake air temperature sensor to the position located in reference photo 21.

22. Reinstall the radiator shutter assembly and secure using the removed 10mm bolts (arrowed). Make sure the wires do not interfere with the shutter assembly. Plug in the shutter assembly harness at the top of the grill (circled).

21.



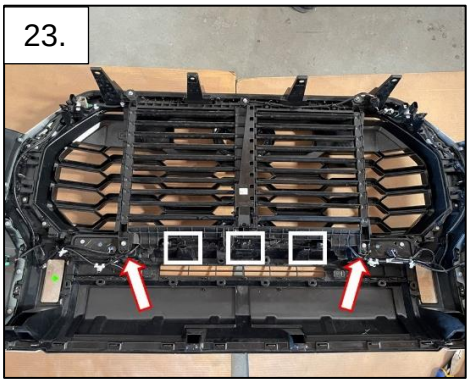
22.



23. Add zip ties securing the relocated wiring to the base of the shutter assembly (arrowed).

24. With the help of an assistant, reinstall the front clip ensuring that the 3 tabs (boxed in photo 23) lock into place. Replace the 2 plastic push rivets on the top of the grill.

23.



24.



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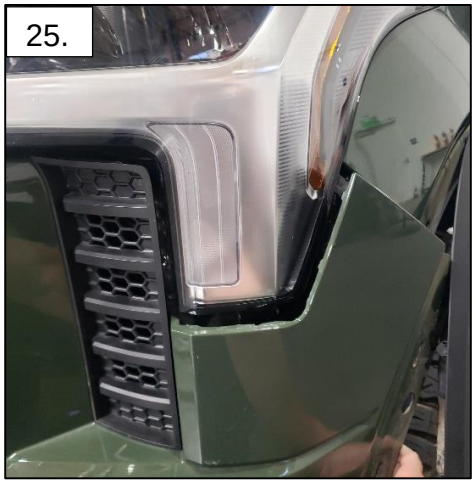
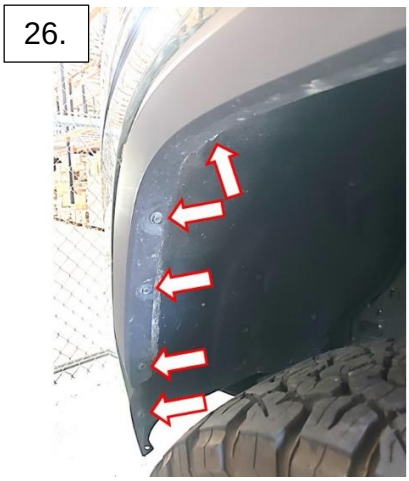
25. Snap in the driver side outer fenders starting near the headlight and moving outward. Repeat on the passenger side of the vehicle.

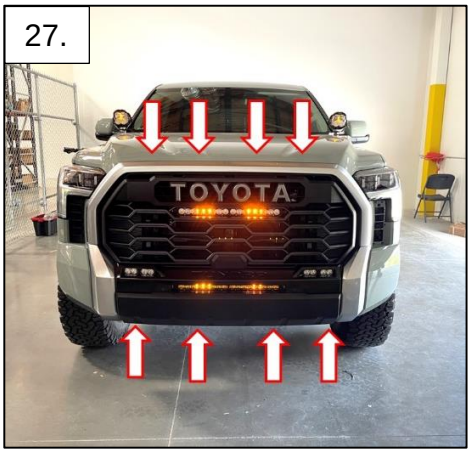
26. Reinstall the driver side fender flare and secure using the 5 removed 10mm screws. Repeat on the passenger side of the vehicle.

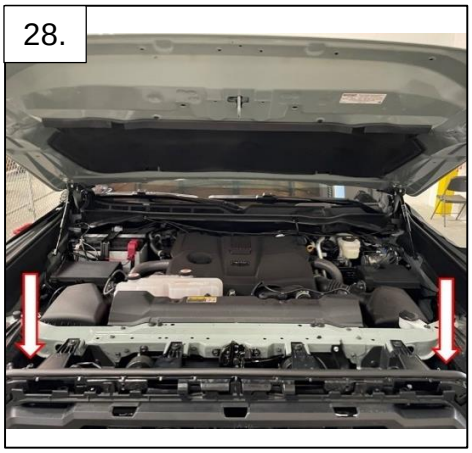




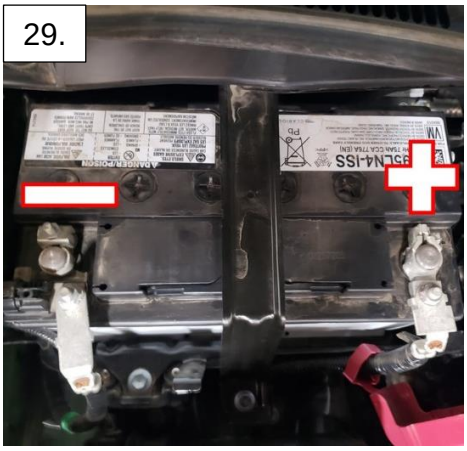
27. Reinstall the 4 10mm bolts securing the top of the grill to the core support. Reinstall the 4 10mm bolts securing the bottom of the bumper to the core support.

28. Reconnect the OEM electrical plugs along the top of the grill.





29. Using a 12mm socket, Remove the negative battery cable and connect the positive ring terminal to the positive battery wire. Repeat for the negative terminal of the battery and reconnect the negative cable.



*Tie all wires away from sharp, hot, and/or rotating components.

* Re-torque all the fasteners after 100 miles.

*Your install is now complete! Thank you for choosing Baja Designs.

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