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TOYOTA TUNDRA

CUSTOM GRILLE SHELL

WITH LIGHTS & INSERTS

INSTALLATION INSTRUCTIONS

VERY IMPORTANT ! Read and understand all directions and check the following parts list before starting installation.

PARTS LIST			
1	Speed Grille Surround With Insert Installed	1	Upper Speed Grille Insert
1	Upper Speed Grille Black Backing	2 PKGS	Adhesion Promoter
10 FT.	1/2" Wide Double Sided Tape	15	Installation Clips # 71093
1 PR.	6 1/2" Driving Lights With Harness	3	11" Cable Ties
1	Secondary Hood Release Attachment Bracket	4	Adhesive Backed Clips
2	8/32 X 1/2" Phillips Head Screws	2	1/8" Pop Rivets
2	8/32 X 3/4" Phillips Head Screws	4	8/32 Keps Nuts
2	Large Dia Flat Washers	2	3/8" Flat Washers
1	Wiring Diagram	1	Instruction Sheet

TOOL LIST

10 MM Socket, Extension, 12 MM Wrench, 14 MM Wrench, 1/8" & 5/32" Drill Bits, Drill Motor, Air Saw Or Cut Off Wheel ETC., Ratchet, Flat Blade Screwdriver, Phillips Screwdriver, 11/32 Wrench, Pop Rivet Gun

1. Remove the grille shell from vehicle. To do this open hood and remove the ten 10 MM head Nuts as shown in photo below.

PHOTO 1
10 MM HEAD NUTS



THE SPEED GRILLE™ may be covered by one or more of the following U.S. Patents: D427,119,D425,834,D421,585,D420,961,D420,960,D420,959, and D420,958 may be covered by one or more pending U.S. Patent applications.

2. Remove the two phillips head screws that secure the secondary hood release linkage to the grille shell. Discard screws.

PHOTO 2



3. With a med size flat blade screwdriver, pry up the black ABS panel on the top side of grille shell. See photo below.

PHOTO 3



4. Remove the five 10 MM head bolts securing the grille shell to the hood. See photo below.

PHOTO 4



10 MM HEAD BOLTS

5. Set the grille shell face down on a table or bench exposing the vacated holes from where the screws were removed in step 2 when removing the secondary hood release linkage. See photo below.

PHOTO 5



VACATED HOLES

6. Set the bracket on the grille shell aligning the two top holes on bracket to the locating pins on grille shell and drill two 5/32" holes through the holes in bracket and into the grille shell. See photo below.

PHOTO 6



PHOTO 7



Remove bracket.

7. Using a suitable cutting tool, Cut out the center bars in grille shell as shown in photo below.

PHOTO 8



8. Clean the area on the Speed Grille surround and apply the adhesion promoter as shown in the photo below.

PHOTO 10



9. Apply the double sided tape to the grille surround as shown in photo below.

PHOTO 11



10. Apply the adhesion promoter to the area on the grille shell where the grille surround will make contact.
11. Install the grille surround to grille shell by removing the red tape backing and applying downward pressure.

PHOTO 13



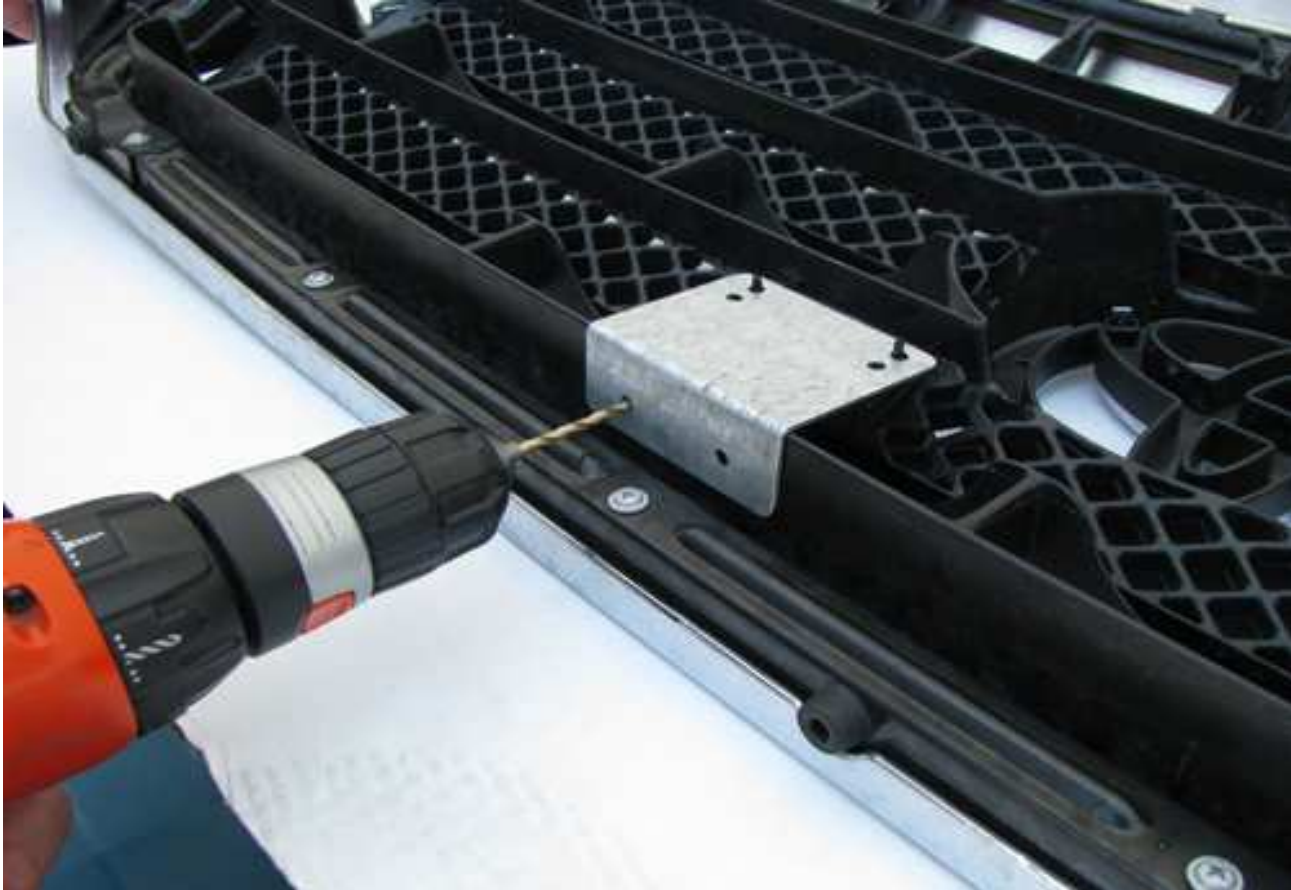
12. Set grille shell with Speed Grille surround face down on a table or bench. Install the metal clips as shown in photo below, to further secure the surround to grille shell.

PHOTO 14



13. Drill through the two holes drilled in step 6 into the Speed Grille surround and install the metal bracket using the two 8/32 X 3/4" screws and nuts provided. See photo below.

PHOTO 15



14. Install the lights onto the grille shell. Remove the 14 MM head nut and lock washer from light mounting stud. Install the large diameter washer on stud and insert the stud into the hole in grille surround. Install the 3/8" flat washer (supplied) and the lock washer and nut removed onto the mounting stud. Center light in housing and tighten using a 14 MM wrench. Snug up the 12 MM nut that light pivots on.

PHOTO 16



15. Unbolt the horns from core support and flip over and re-attach as shown in photos below.

PHOTO 17



PHOTO 18



16. Install the grille shell back on vehicle using all hardware removed in step 1 & 2.
17. Attach the secondary hood release linkage to bracket installed on grille shell using the two 10/32 X 1/2" bolts and nuts provided. **CHECK OPERATION !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!**
18. Connect the wire harness to lamps and follow the illustration sheet. Attach the black wire to a metal bolt to ground. Clean the mounting surface to insure a good ground. Route the wires over the top of grille and secure using the tie straps route the red wire down the side of hood. Use the adhesive backed clips to retain the wires to the underside of hood. Mount the relay to engine compartment and secure with screws provided. Connect the blue wire to the positive post on battery. Connect the black wire to a suitable ground, Clean paint off before attaching. Puncture a hole through the rubber boot on firewall and route the wires to supplied switch. Mount switch on the lower dash by steering column. Connect the RED wire to a twelve volt power source. The twelve volt can be " HOT " Or " Switched " as desired. Use tie straps as needed to secure harness.
19. Install the upper grille shell Speed Grille insert where the black ABS panel was removed in step 3 by inserting the seven tabs on the top side into the slots. Install the black ABS panel (supplied) behind aligning the 1/8" holes with the holes in Speed Grille insert while pushing up and down at the same time drilling two 1/8" holes into grille shell and secure with 1/8 pop rivets provided.