

Part Number: PT29A-33022-XX (Unit Pack)

PT29A-33050-XX (Unit Pack)

Section I - Installation Preparation

Kit Contents

Item #	Quantity Req'd.	Description
1	1	Camry Spoiler

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	2	M6 Nut
2	2	Grommet
3	1	LH Torque Rod Spacer
4	1	RH Torque Rod Spacer

Additional Items Required For Installation

Item #	Quantity Req'd.	Description
1	1	CHMSL Hole Cover P/N PT29A-33021-XX -11 Light Gray (interior) -12 Black (interior) -41 Pebble Beige (interior)
2	1	Spoiler Template P/N PT29A-33023

Conflicts

Note: None

Recommended Tools

Safety Tools	
Safety Goggles	
Vehicle Protection	Blankets, Masking Tape
Special Tools	
Torque Rod Spacer Tool	Toyota SST # 09804-24010
Installation Tools	
Drill Motor	1/2" Chuck
Hole Cutter	3/4" Michigan Drill (P/N HC690 - 3/4")
Drill Stops	3/4", Letter "S"
Drill Bit	Letter "S"
Hole De-burring Tool	
Ratchet	
Socket and Extension	10 mm Deep Well
Torque Wrench	0-100 lbf-in
Panel Clip Removal Tool	Panel Pry Tool # 1 Toyota SST # 00002-06001-01
Screwdriver	Phillips #2
Shop Vacuum	
Magnet w/ Flex Shaft	
Heat Gun	
Fuse Removal Tool	

Special Chemicals	
Sealant	3M™ Ultra-Pro Body Sealant
Cleaner	3M™ Prep Solvent-70
Lubricant	White Lithium Grease

General Applicability

Note: Applicable for LE/S E/XLE Grade Camry

For MY2005:-






- P/N PT29A-33050-01 (color code 1C8 (Lunar Mist Metallic)) is new colors.

Recommended Sequence of Application

Item #	Accessory	
1		
2		
3		


*Mandatory

Legend


	STOP: Damage to the vehicle may occur. Do not proceed until process has been complied with.
	OPERATOR SAFETY: Use caution to avoid risk of injury.
	CRITICAL PROCESS: Proceed with caution to ensure a quality installation.
	GENERAL PROCESS: This highlights specific processes to ensure a quality installation.
	TOOLS & EQUIPMENT: Calls out the specific tools and equipment recommended for this process.

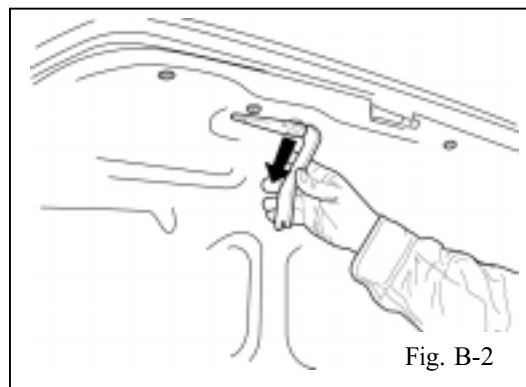
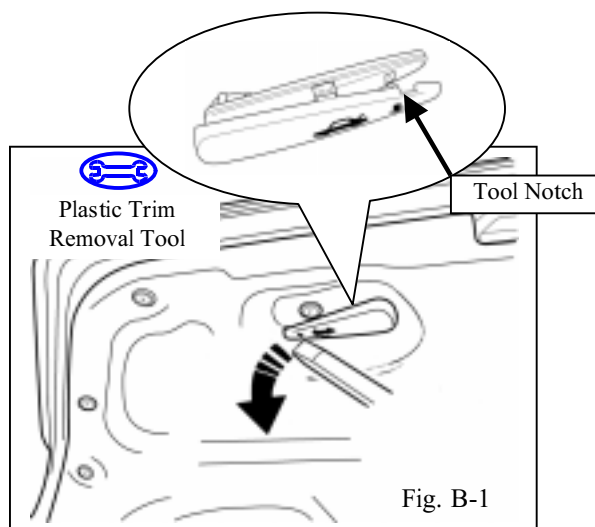
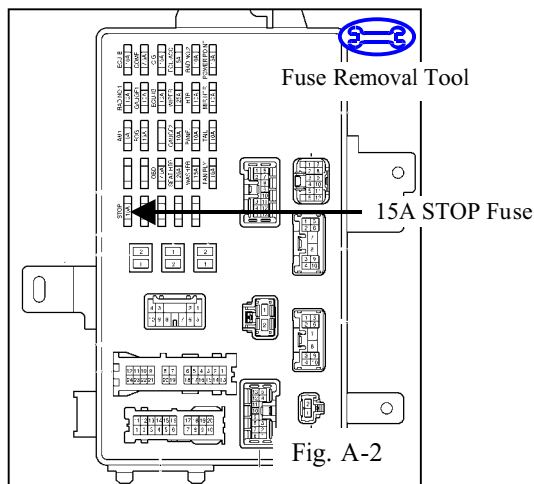
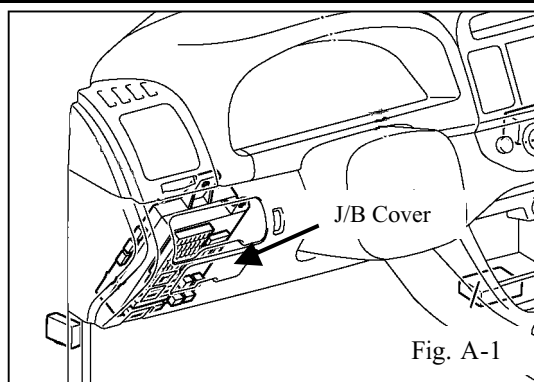
Section II - Installation Procedure

A. Vehicle Preparation

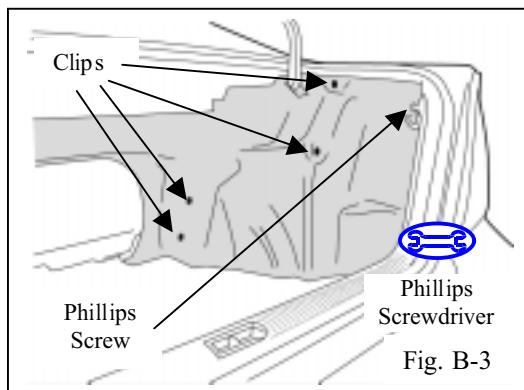
1. Open the driver door. Remove the Driver Side J/B cover. (Fig. A-1)
-  2. Remove and save the 15A STOP fuse using a Fuse Removal Tool. (Fig. A-2)

B. Trim Panel Removal

-  1. Store parts safely for reinstallation later.
 2. Open trunk lid.
 3. Remove the emergency trunk release handle cover. (Fig. B-1)
- NOTE:** If the clips on the handle cover are broken, replacement cover can be ordered under P/N 69298-AA020.
4. Remove the emergency trunk release handle. (Fig. B-2)
 5. Remove the plastic clips holding the inner trunk lid trim panel and remove the panel.



6. Remove the two (2) clips on both side lower trunk trim panels. (Fig. B-3)
7. Using a Phillips screwdriver, remove the Cargo Net hooks on the left and right hand side of the inner trunk. (Fig. B-3)
8. Unhook both trunk trim panels from behind the rear plastic panel. Carefully fold back the panels. They do not need to be removed.



C. Installation of Torque Rod Spacers



CAUTION: Prop open the trunk lid while the torque rod spacers are installed.



1. Apply a small spot of white lithium grease on the torque rod spacer where it meets the torque rod, prior to installing into the hinge arm.

2. Using the special torque rod tool, rotate the torque rod forward in the passenger side arm slot. (Fig. C-1 & Fig. C-2)

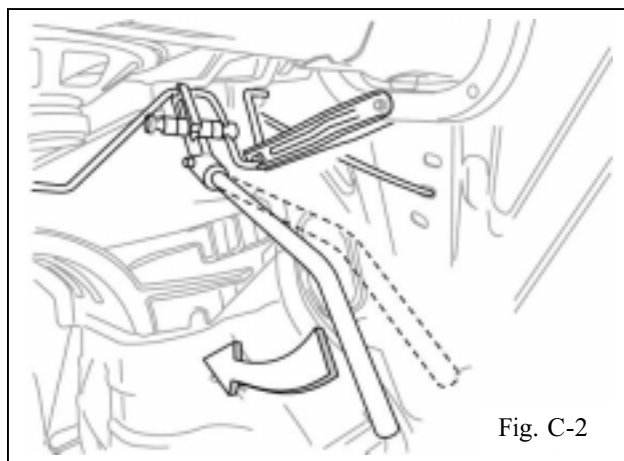
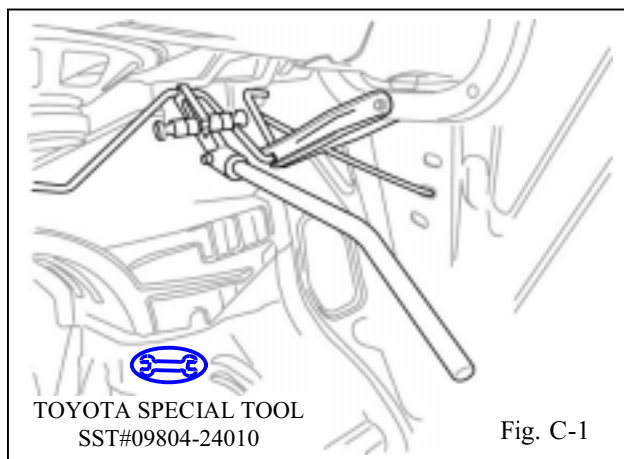


3. Install torque rod spacer as shown on the outside of the arm. (Fig. C-3)



4. Repeat for driver side of vehicle.

NOTE: The parts are stamped LC & RC for the left and right hand side of the vehicle.



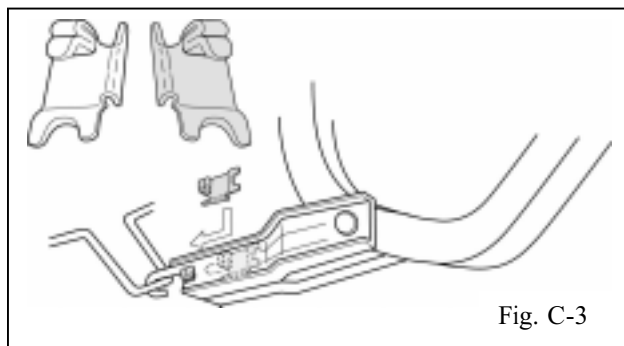
D. Hole Drilling



1. Prior to drilling, you must lay protective covers on the bumper and fender areas to protect from metal debris caused during the drilling process.



2. Eye protection must be worn during the drilling process.



- STOP** 3. Apply masking tape to the trunk lid surface in the area of the hole locations. (Fig. D-1)

NOTE: The above step is not necessary if the trunk lid surface is covered with protective polywrap (RapGuard).

- 4. Place the Mylar drilling template on the trunk lid as shown and tape in place making sure it is aligned along the front and sides of the trunk lid and is completely smooth and flat on trunk lid surface. (Fig. D-2)

5. Locate the five (5) hole locations on the Mylar template. (Fig. D-2)

NOTE: The hole centers are the punch marks within the segmented circles. The punch marks on the template are not always in the center of the segmented circles. The punch marks on the template must be located and used for proper spoiler alignment.

- 6. Using a center punch, lightly center punch the five (5) hole locations. (Fig. D-3)
7. Remove the Mylar template. Make certain you can see the five center punch locations. Save the template for future use.

- STOP** 8. Set the drill stops on both the 3/4" hole cutter and letter "S" drill bit to 3/8". (Fig. D-4)

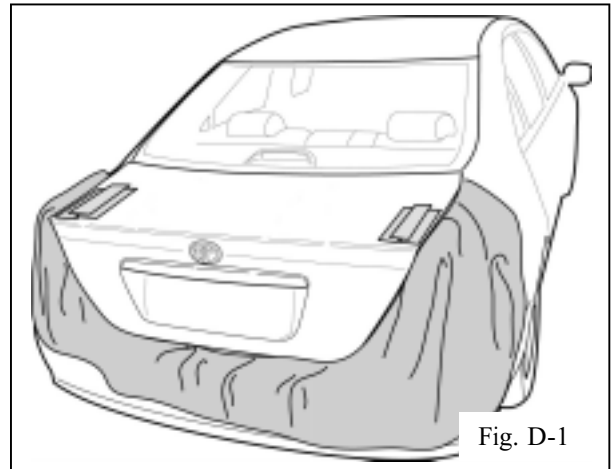


Fig. D-1

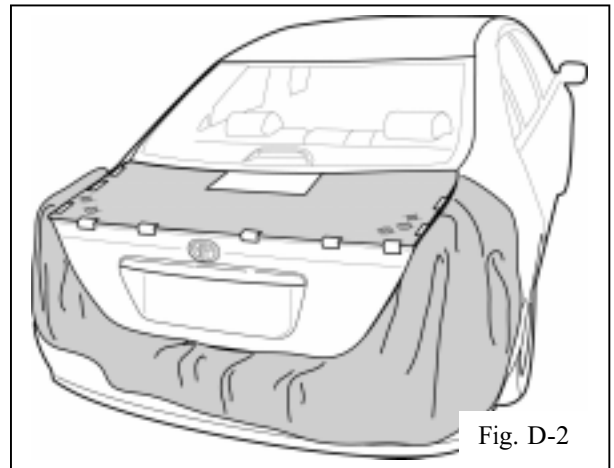


Fig. D-2

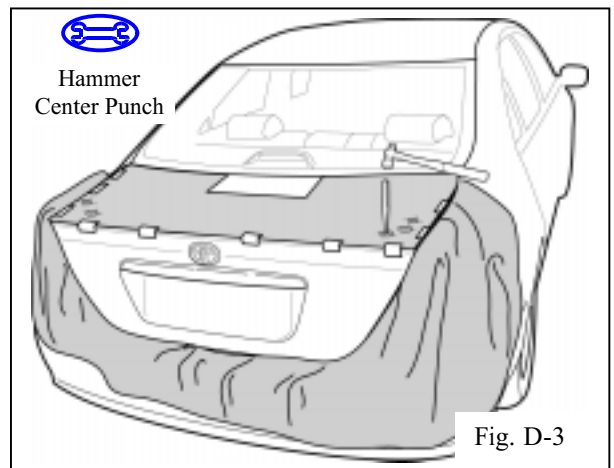


Fig. D-3

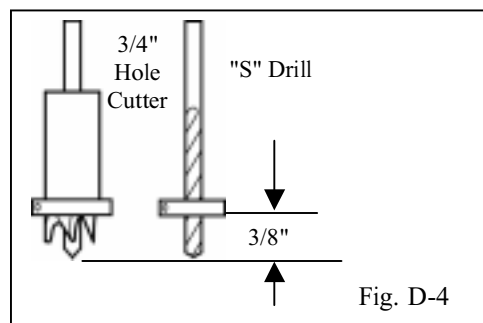


Fig. D-4

9. Using the letter "S" drill bit, drill the two (2) holes located as shown. (Fig. D-5)

10. Using the 3/4" hole cutter bit, drill the three (3) holes located as shown. (Fig. D-6)

➔ 11. Using a deburring tool, carefully debur the five (5) drilled holes. (Fig. D-7)

STOP 12. Vacuum the surface of the trunk lid and the surrounding drilled areas.

i. For vehicles with protective polywrap (RapGuard) remove the polywrap.

ii. Otherwise remove the masking tape.

➔ 13. Before opening the trunk lid, use a magnet with a flexible shaft to fish out the 3/4" hole plugs and drill chips.

➔ 14. Open the trunk lid using the trunk lever by the driver's seat. Grasp it and with an up and down motion, vigorously shake the trunk lid to dislodge any metal chips remaining from drilling process. Use a magnet with a flexible shaft to remove any remaining chips.

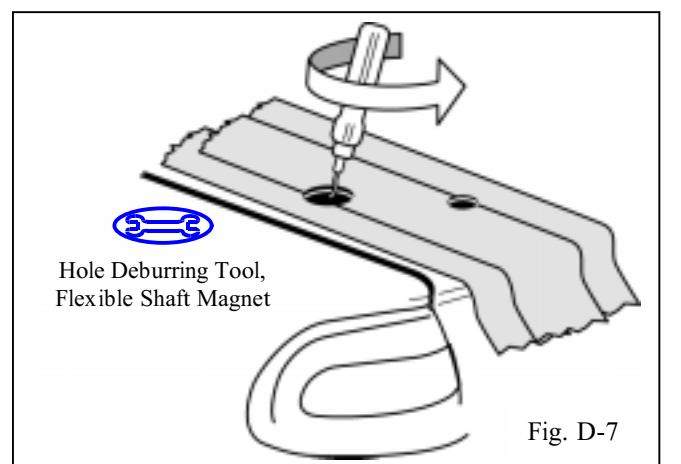
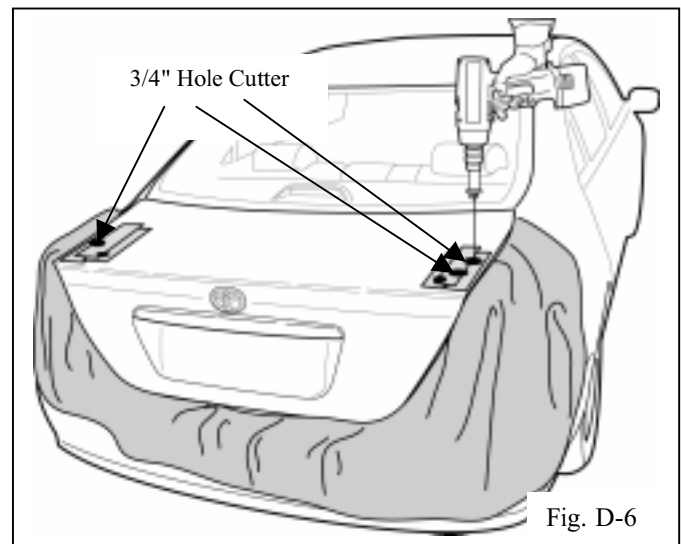
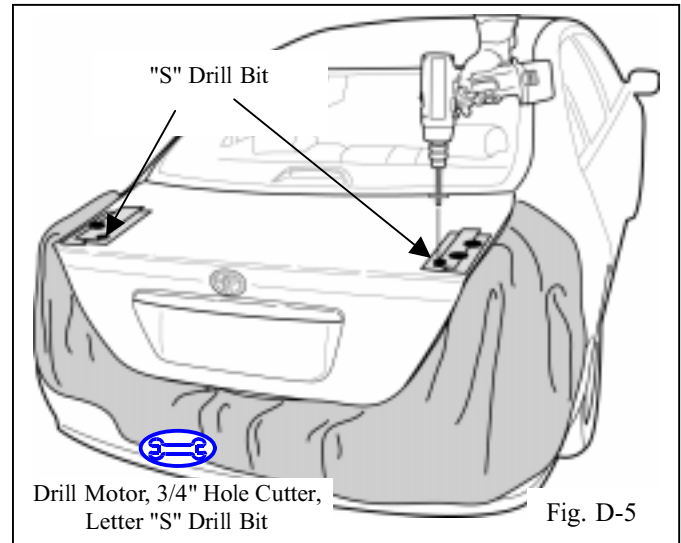
NOTE: Do not shake the trunk lid against the hinge stops, nor with any keys in the trunk lock.

E. Preparation for Spoiler Attachment

STOP 1. The trunk and spoiler should be a minimum of 60° F for proper set-up of adhesive tape. Use a hot air blower to heat the surface if the temperature is below 60° F. The adhesive tape on the spoiler must have full contact between spoiler and trunk lid for proper sealing to trunk lid.

2. The trunk lid where the spoiler attaches must be cleaned with 3M™ Prep Solvent-70.

➔ i. When cleaning with 3M™ Prep Solvent-70 follow the manufacturer's directions. Do not allow cleaner to air dry.



3. After cleaning, apply 3M™ Ultra-Pro Body Sealant to all five (5) drilled hole edges.

F. Attaching the Spoiler to the Trunk Lid

1. Remove the vinyl covers from the two (2) threaded M6 studs. (Fig. F-1)
2. Remove the plastic liners from the two (2) outboard adhesive pads. Be careful not to touch or allow any contaminants to come into contact with adhesive pads. (Fig. F-1)
3. Place a plastic grommet on to the plastic studs toward the front of each spoiler footprint. (Fig. F-2 & Fig. F-3)



NOTE: The grommet has a tiny interior clip that holds the grommet to the stud. Make sure you install the grommet with the interior clip forward. When properly installed, it will snap in place and cannot be removed.

4. Position the spoiler over the trunk lid with the drill holes aligned to the spoiler studs. (Fig. F-4)

NOTE: The foam blocks from the spoiler packaging can be used to aid in positioning of the spoiler over the drilled hole locations.

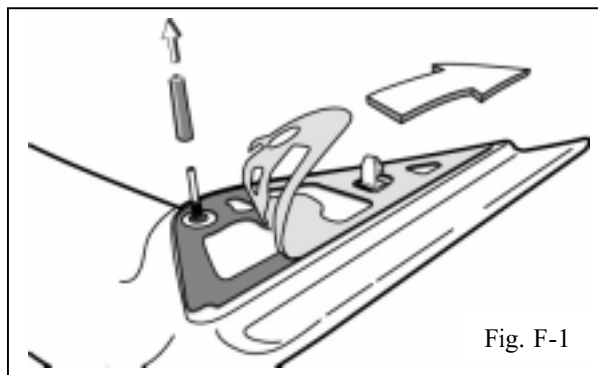


Fig. F-1

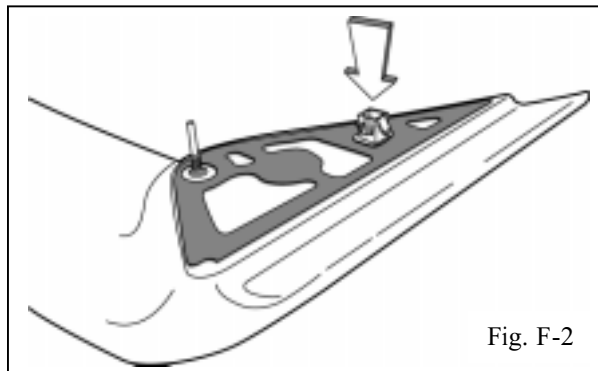


Fig. F-2

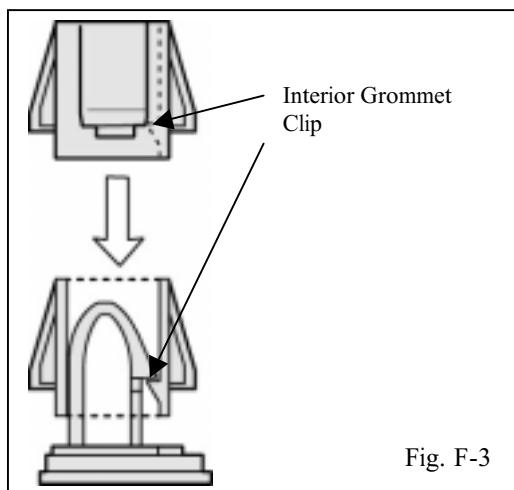


Fig. F-3

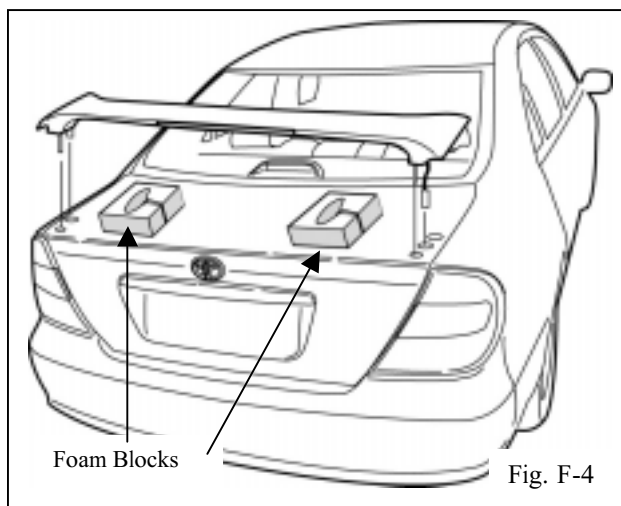




Fig. F-4

5. Feed the wiring harness through the middle hole on the passenger side of the vehicle. Remove the foam block from the passenger side and gently lower the spoiler. (Fig. F-4 & Fig. F-5)

-  6. Remove the driver side foam block and lower the spoiler down into place and press down on both sides to fully seat grommets. Continue to apply pressure to ensure complete adhesion of spoiler to trunk lid surface. (Fig. F-6)

-  7. Open the trunk lid and install the two (2) flange nuts to the studs. Tighten the nuts to 6 N-m (53 lbf-in) of torque. (Fig. F-7)

G. Center High Mounted Stop Lamp (CHMSL) Removal and Film Cover Application

1. In backseat - grasp the CHMSL housing and push it to the left (passenger side) to disengage clips. Lift the forward most edge of the CHMSL housing and remove it from the package tray. (Fig. G-1)
2. Tip the CHMSL housing and up and push the power connector release button to release the power source from the light socket.

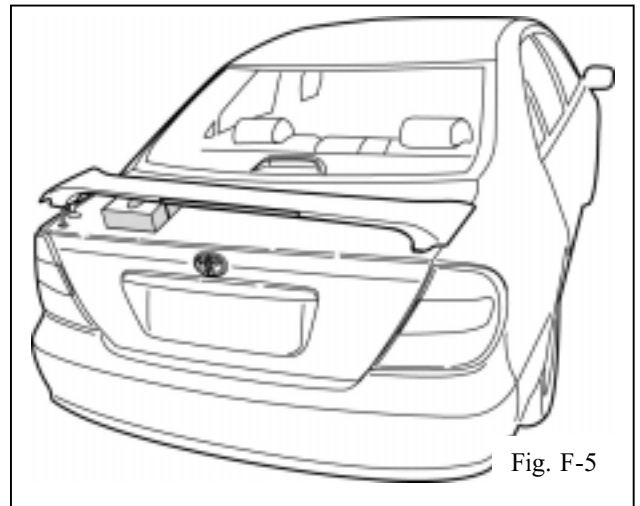


Fig. F-5

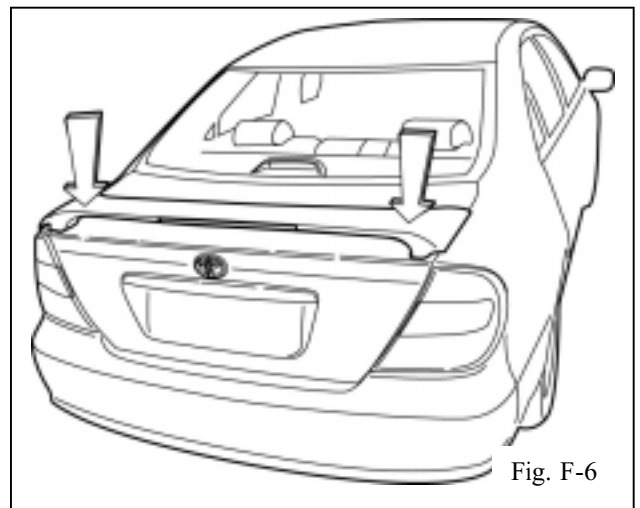


Fig. F-6

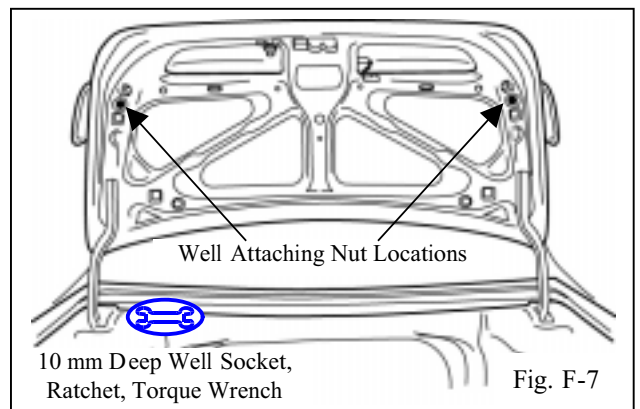


Fig. F-7

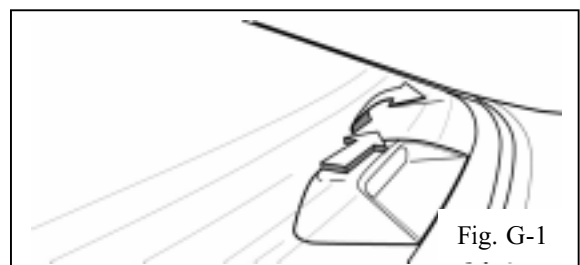


Fig. G-1

3. Carefully remove the CHMSL from the CHMSL housing by flexing the housing and disengaging the clips. (Fig. G-2)

- ➡ 4. Select appropriate CHMSL cover blackout film color. Peel the film from its liner and apply it to the red CHMSL lens as shown. The bottom edge of the film is straight and has two locator slits along the edge. It is butted up against the top of two molded tabs on the lens and the slits should line up side to side with the molded tabs. (Fig. G-3)

5. Using your fingers, rub the CHMSL film to work out all air bubbles. Because there is some text molded on the surface of the red lens, the film will not be completely flat. (Fig. G-4)

6. Remove and discard the light bulb from the CHMSL light. Reinstall the empty bulb socket.

- ➡ 7. Reassemble the CHMSL light and housing. No portion of the red lens should be visible from the outside of the housing.

8. Place the CHMSL housing over the package tray and reconnect the power source connector to the empty light bulb socket so that the connector is not loose to rattle under the package tray.

- ➡ 9. Reinstall the CHMSL housing by reversing step G. 1..

H. Wire Harness Installation

1. Open the trunk lid and locate the spoiler wiring harness.

- ➡ 2. Pull the wiring harness out to reach the pre-installed spoiler harness connector and connect the spoiler harness connector to vehicle harness connector. (Fig. H-1)

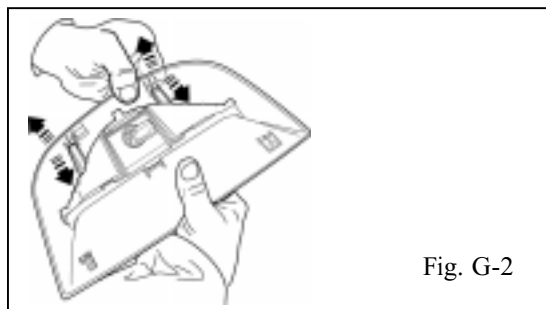


Fig. G-2

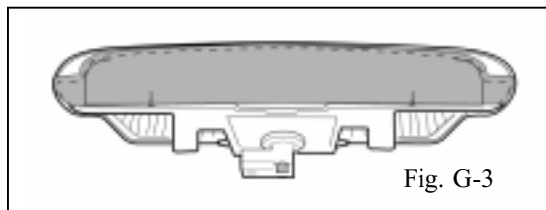


Fig. G-3

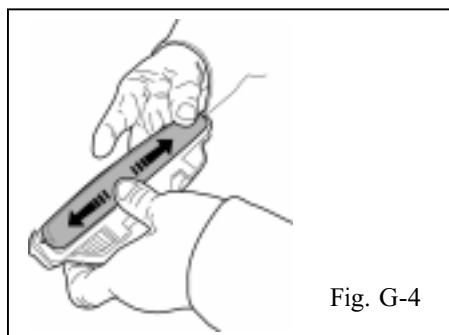


Fig. G-4

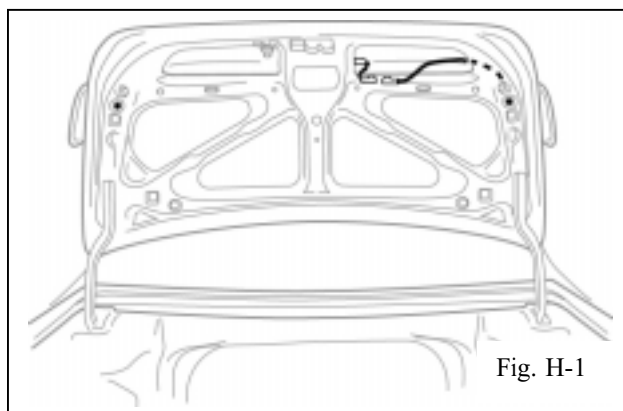






Fig. H-1

I. Reassemble the Vehicle

-  1. Replace the 15A STOP Fuse in Driver Side J/B using a Fuse Removal Tool.
-  2. Replace the Driver Side J/B cover.
-  3. From within the vehicle, depress the brake pedal to make sure spoiler brake light and vehicle brake lights are functioning properly.
-  4. Reinstall all removed panels and parts. Be sure that all panel clips are engaged.



Section III - Functional Verifications

Check: _____

- ☐ Verify spoiler lamp for proper operation.
- ☐ Verify trunk lid operation.
- ☐ Verify acceptable gap.
- ☐ Verify that the original red CHMSL lens has been fully covered.
- ☐ Verify the correct CHMSL cover has been used.

Look For: _____

- Illumination of spoiler mounted stop lamp.
- When opened, the trunk lid should initially pop up slightly and remain in the fully raised position when opened completely.
- The gap around the edges of the rear spoiler should be no bigger than 3.0 mm.
- No red lens material visible.
- The CHMSL cover color should match the CHMSL housing color.