

Preparation

Part Number: 08150-52870-XX

NOTE: Part number of this accessory may not be the same as the part number shown.

Kit Contents

Item #	Quantity Req'd.	Description
1	1	Rear Wind Deflector
2	3	Paper Template
3	1	DIO Installation Instructions
4	1	Hardware Bag

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	2	M6 x 22.0 Stud Bolt
2	2	Well Nut
3	2	Self-tapping Screw
4	2	Cover

Additional Items Required For Installation

Item #	Quantity Req'd.	Description
1		
2		

Conflicts

None

Recommended Tools

Personal & Vehicle Protection	Notes
Safety Glasses	
Vehicle Protection	Blankets/Masking Tape
Special Tools	Notes
DIO Installation Template	Paper Template
Installation Tools	Notes
Drill Motor	
Drill Bits & Drill Stops	3 mm, 6 mm
Hole De-burring Tool	
Hole Saw	12 mm
Hex Socket	10 mm, Deep Wall
Torque Wrench	in-lb (N-m)
Nylon Removal Tool	e.g. Panel Pry Tool #1 Toyota SST # 00002-06001-01
Lint Free Cloth	
Shop Vacuum	
Tape Measure	
Screwdrivers	Phillips Head, #2 & Thin blade Flat Head
Center Punch	
Small Shop Hammer	

Magnet With Flexible S haft	
Insulated Wire	70 cm. min.
Extension	3"
Special Chemicals	Notes
Cleaner	3M™ Prep Solvent-70
Body Sealer	3M™ Ultra-Pro Body Sealant

General Applicability

Hatchback

Recommended Sequence of Application





Item #	Accessory
1	
2	

*Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Req'd.	Description
1		
2		
3		

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.
	CAUTION: A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.
	TOOLS & EQUIPMENT: Used in Figures calls out the specific tools and equipment recommended for this process.

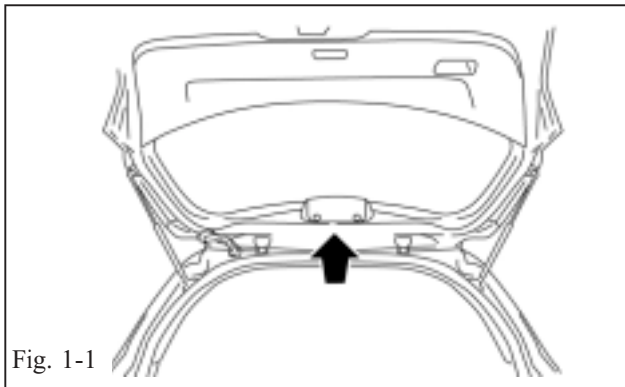
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

These guidelines can be found in the "Accessory Installation Practices" document.

This document covers such items as:-

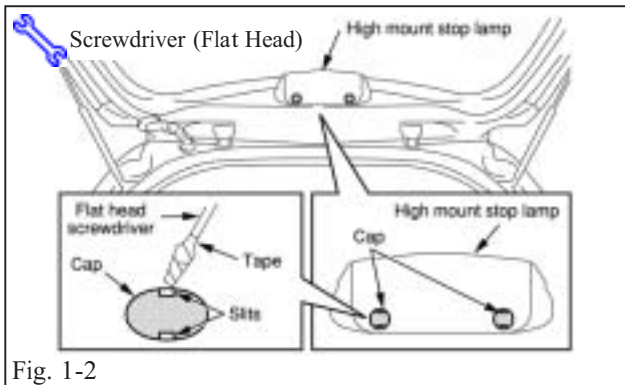
- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

Please see your Toyota dealer for a copy of this document.



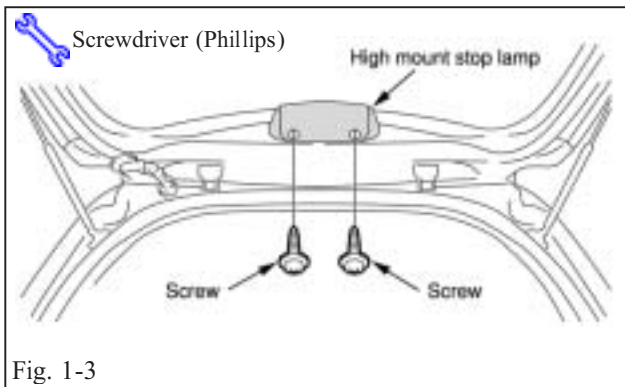
1. Remove Vehicle Component.

- (a) Open the back door. (Fig. 1-1)
- (b) Place blankets in the cargo area.

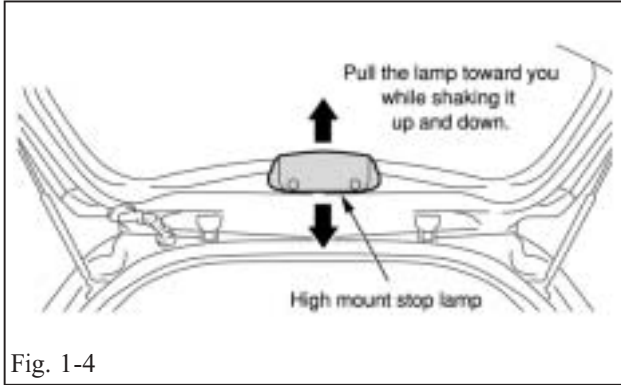


- (c) Remove the caps from the CHMSL (2 locations). (Fig. 1-2)

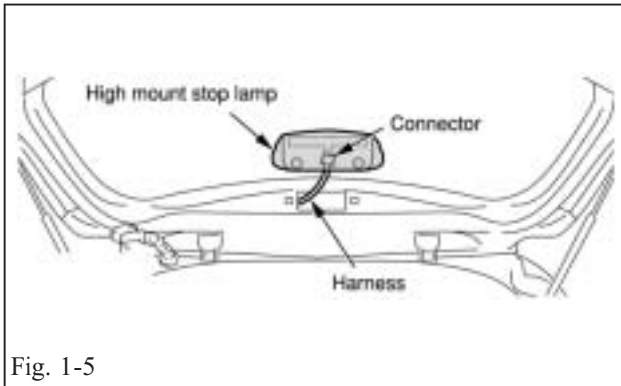
NOTE: To avoid damage to the CHMSL caps, wrap masking tape around the tip of the flat head screwdriver and then insert the tip into slit in the cap.



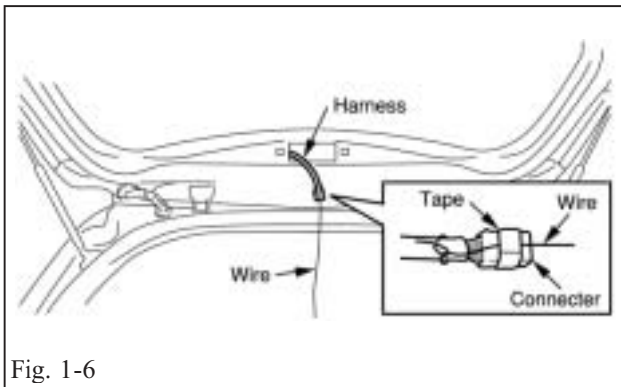
- (d) After removing the cap, loosen and remove the CHMSL set screws and discard the screws. (Fig. 1-3)



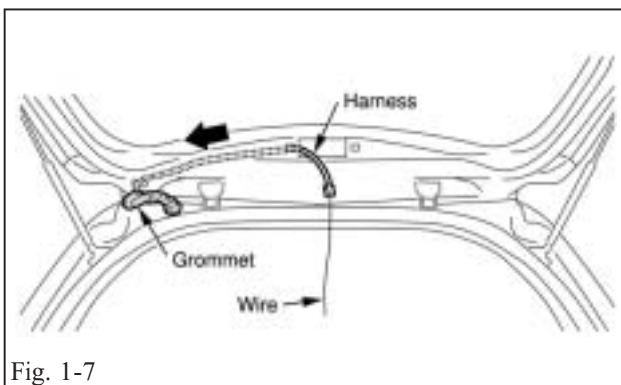
(e) While slightly shaking up and down the high mounted stop lamp, pull it toward you to remove. (Fig. 1-4)



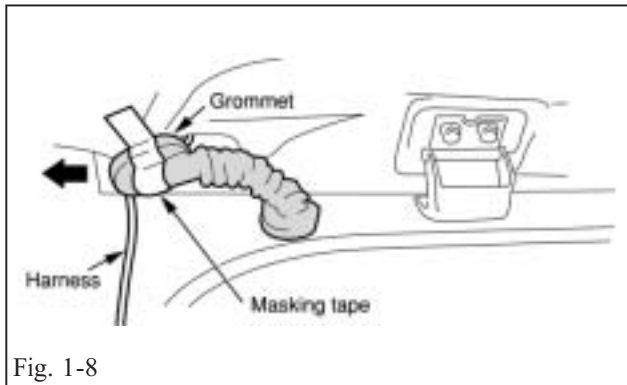
(f) Disconnect the CHMSL connector. (Fig. 1-5)



(g) Cut a piece of insulated wire 70cm or longer. Wind a wire around the connector of the removed harness. (Fig. 1-6)

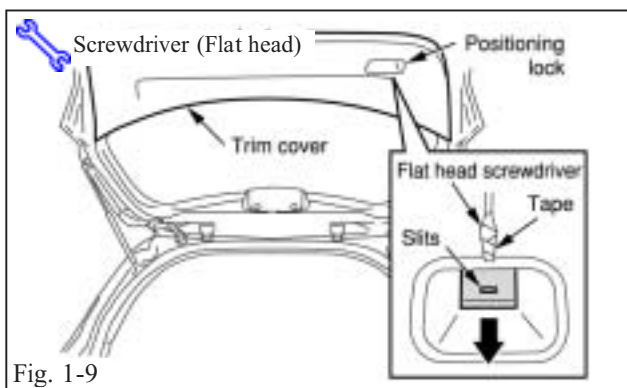


(h) Remove the grommet. Draw the harness and pass the insulated wire through the body leaving the end of the wire hanging out of the CHMSL opening. (Fig. 1-7)



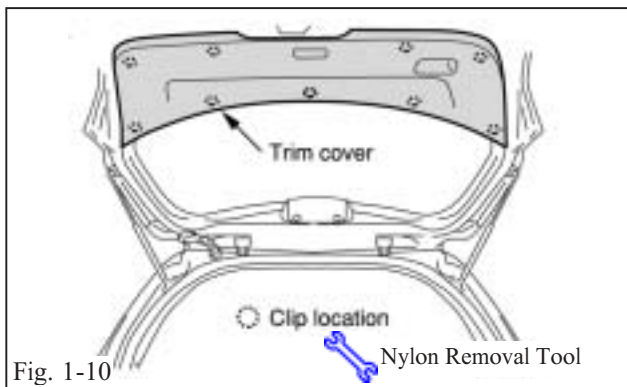
- (i) Move exposed portion of harness and grommet together toward outside, along the body, and then secure them with masking tape. (Fig. 1-8)

NOTE: Secure the harness and grommet with masking tape. Otherwise, harness may be damaged during drilling.



- (j) Release the trim cover positioning lock (1 location). (Fig. 1-9)

NOTE: When releasing the positioning lock, to avoid damage to the lock, wrap masking tape around the tip of the flat head screwdriver. Insert the tip into the slot of the trim cover as shown in the figure left and depress the screwdriver to unlock. If left locked, the trim cover will be damaged.



- (k) Remove the trim cover (9 clips). (Fig. 1-10)

- (l) Close the back door.

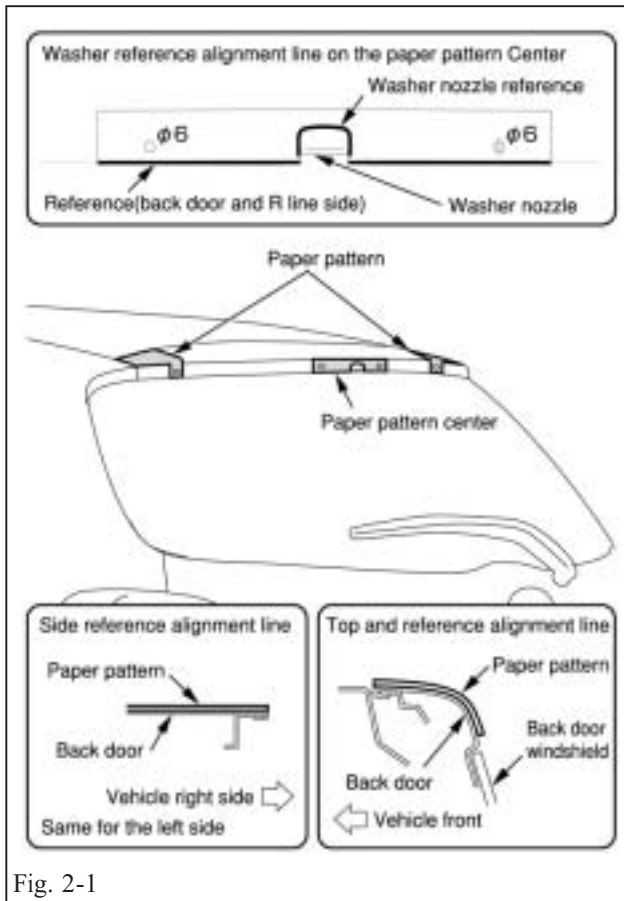


Fig. 2-1

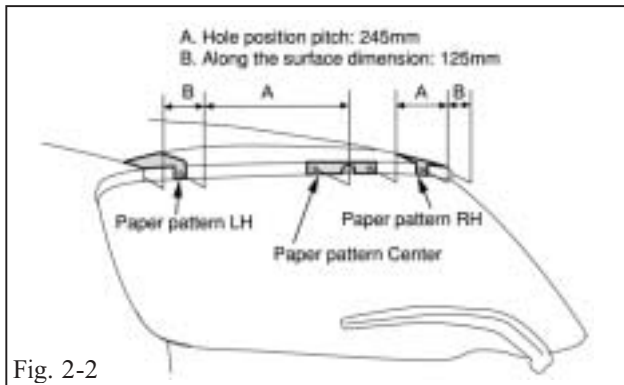


Fig. 2-2

2. Setting Procedure of Paper Template.

(a) Attach the paper templates. (Fig. 2-1)

NOTE: Attach the paper template LH and RH to the back door with reference to the top end and sides of the back door. Attach the center paper template to the back door with reference to the washer nozzle and back door and end R line. Tightly attach these paper templates with masking tape to eliminate creases and deflection.



(b) On the paper templates, measure the distance between holes and the on surface dimension to verify that the paper templates are attached properly in place. (Fig. 2-2)

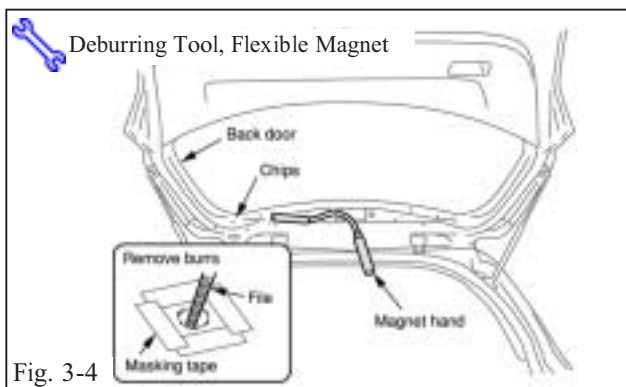
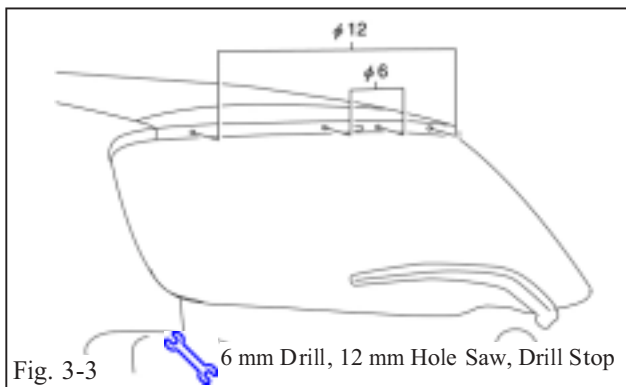
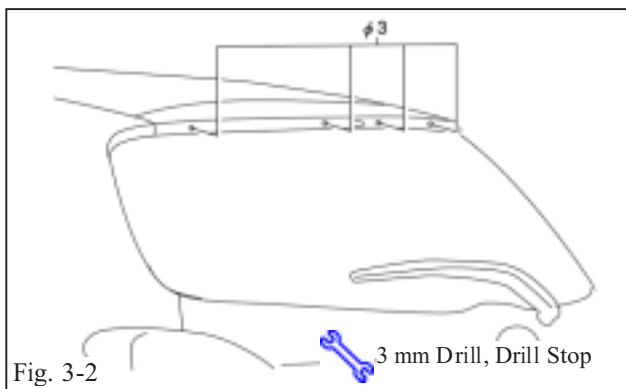
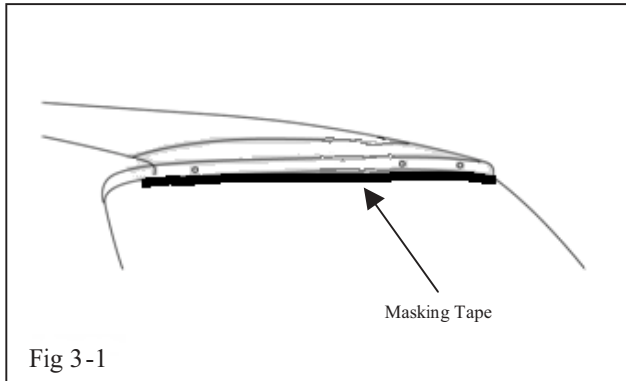
(1) Hole to hole dimension (A): 245 mm

(2) Hole to rear door edge dimension (B):
125 mm


NOTE: If the hole positions or the dimensions along the surface are outside the value specified above, reposition the paper templates and attach them again.

(c) Punch the center of a hole (X-slit) on the paper template (4 locations).

(d) Remove paper templates.




3. Drilling Procedure.

-  (a) Set the drill stops to 5mm from the tip of the drill bits for each hole.
- (b) Place protective blankets around the back door and bumper areas to protect from drilling chips.
- (c) Use masking tape to cover the gap between the back door rear wind deflector mounting face and back door glass, to prevent drilling chips from entering the gap while drilling. (Fig. 3-1)
- (d) Drill a 3mm hole at all positions punched (4 locations). (Fig. 3-2)

NOTE: Keep the drill perpendicular to the body at the center of the hole positions.

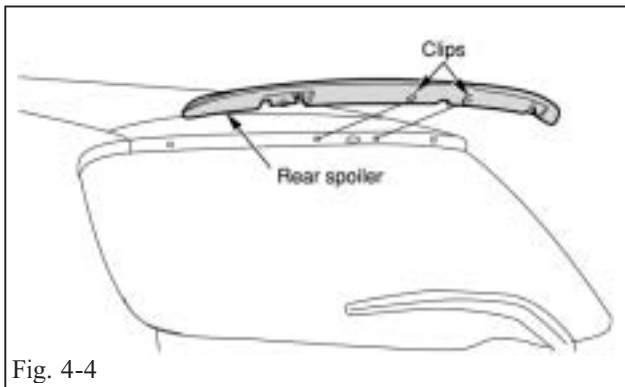
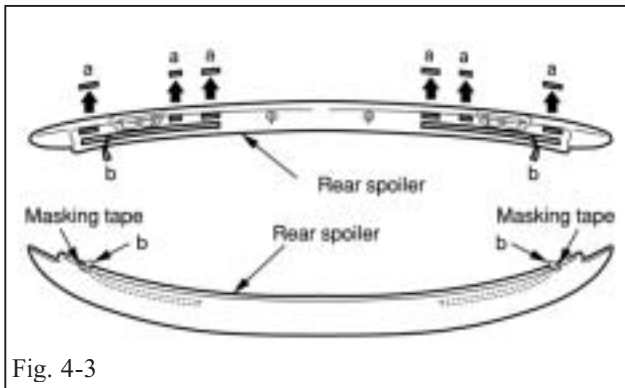
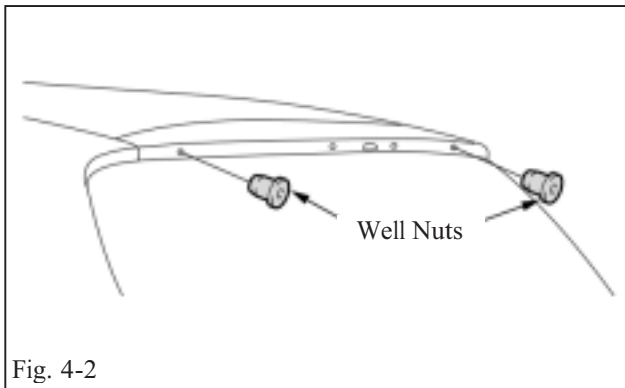
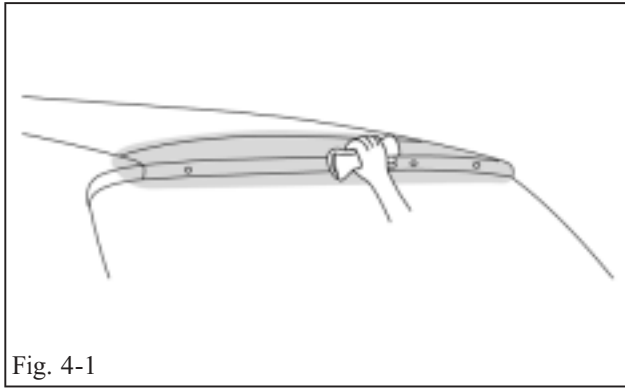
- (e) Drill the holes to the nominal diameter. (Fig. 3-3)
 - (1) 6mm reference hole: 6mm drill (2 locations)
 - (2) 12mm mounting hole: 12mm hole saw (2 locations)

 **NOTE:** If drilling chips/dust enter the back door, open the back door, and remove them through the service hole by using a magnet. (Fig. 3-4)

- (f) De-burr all drilled holes. (Fig. 3-4)

NOTE: When removing burrs with a de-burring tool, place masking tape around the hole to protect the body.

- (g) After finishing holes, remove any remaining drilling chips, masking tape and protective blankets.



4. Installing the Spoiler.

(a) The rear door where the spoiler attaches must be cleaned with 3M Prep Solvent-70 and a lint free cloth. (Fig. 4-1)



(b) After cleaning, carefully apply 3M Ultra-Pro Body Sealant to all drilled hole edges.

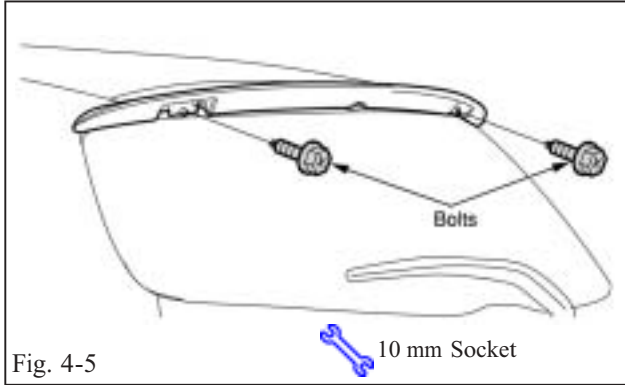


(c) The rear door and rear wind deflector should be a minimum of 60° F for proper setting of adhesive tape. Use a hot air blower to heat surface if the temperature is below 60° F.

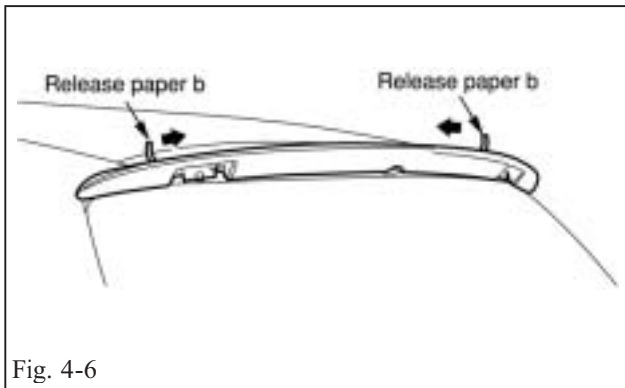
(d) Insert the well nut (2 locations). (Fig. 4-2)

(e) Remove the plastic liners "a" from the rear wind deflector, and then peel off each of plastic liner "b" up to 30 mm. Fold over the plastic liners on the rear wind deflector and secure them with masking tape. (Fig. 4-3)

(f) Insert the rear wind deflector clips into respective 6mm reference hole to seat the spoiler on the body. (Fig. 4-4)

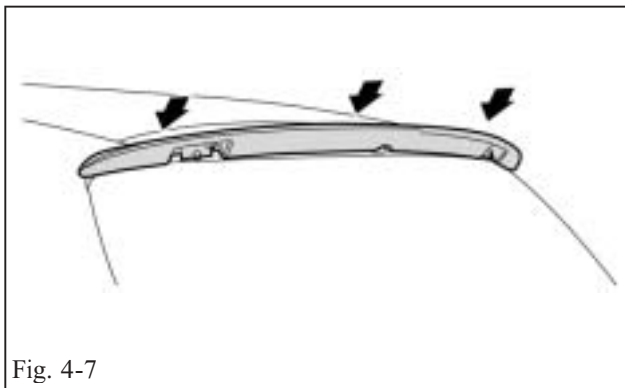


(g) Loosely install the bolts into the rear wind deflector. (Fig. 4-5)



(h) Remove the remainder of plastic liners "b" by peeling off in the direction of the arrows (2 locations). (Fig. 4-6)

NOTE: If necessary, lightly pull the rear wind deflector away from the rear door to avoid tearing the plastic liner when removing.



(i) Press the rear wind deflector downward. (Fig. 4-7)

(j) Tighten the bolt (2 locations).



(1) Tightening torque: 3.9-5.9 N·m (35 - 52 lbf·in)

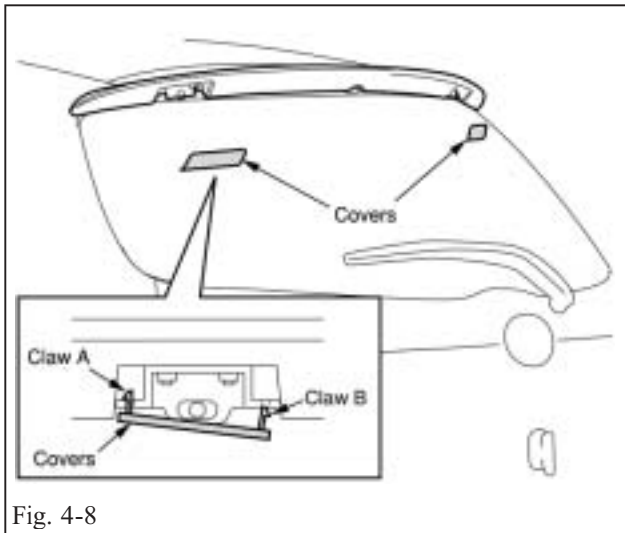


Fig. 4-8

(k) Attach the covers to the rear wind deflector (2 locations). (Fig. 4-8)

NOTE: When attaching the covers to the rear wind deflector, first press fit the claw A (vehicle outside) and then claw B (inside).

5. Reassemble the Vehicle.

(a) Reinstall CHMSL harness and grommet.

(1) Reroute the CHMSL harness by pulling the wire wound around the CHMSL harness connector back through the CHMSL mounting hole.

(2) Connect CHMSL harness to CHMSL and reinstall the CHMSL using the two (2) new self tapping screws and existing caps.

NOTE: When installing CHMSL, use the new self-tapping screws included in the kit.

Do not use the screws removed at step 1. (c). (Fig. 5-1)

(3) Reinstall trim panel and clips.

(4) Reinstall trim cover positioning lock.

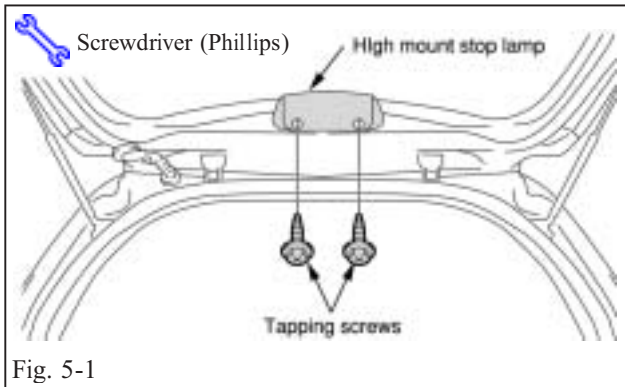


Fig. 5-1

TOYOTA YARIS 2006 - REAR WIND DEFLECTOR
Checklist - these points **MUST** be checked to ensure a quality installation.

<u>Check:</u>	<u>Look For:</u>
<p><u>Accessory Function Checks</u></p> <ul style="list-style-type: none"><input type="checkbox"/> Verify that the back door can be opened/closed without interference<input type="checkbox"/> Visually inspect the spoiler for free of damage or flaw.	<p>No interference</p> <p>No damage or flaws</p>
<p><u>Vehicle Function Checks</u></p> <ul style="list-style-type: none"><input type="checkbox"/> Check function of CHMSL by depressing the brake pedal	<p>CHMSL lights</p>