

Part Number: PT857-52080

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

Fog Lamp Kit Contents

Item #	Quantity Reqd.	Description
1	1	Lamp Assembly, Fog Drivers Side
2	1	Lamp Assembly, Fog Passenger Side
3	1	Mounting Hardware Bag
4	1	Hardware Bag

Mounting Kit Bag Contents

Item #	Quantity Reqd.	Description
1	6	Clips, 6mm U-Nut
2	6	Bolts, M6 TORX 25
3		

Hardware Bag Contents – 1

Item #	Quantity Reqd.	Description
1	1	Low Profile Fuse, 15A
2	1	Switch, Fog

Additional Items Required For Installation

Item #	Quantity Reqd.	Description
1		

Conflicts

None

Recommended Tools

Personal & Vehicle Protection	Notes
Safety Goggles	
Seat Covers	
Floor Protectors	
Special Tools	Notes
Installation Tools	Notes
Blanket	
Cutting fixture	
Flat bladed pliers	
Nylon pry tools (4)	
Panel removal tool	
Protective tape (masking)	
Sandpaper	220 grit or higher
Socket ratchet	10mm
T-25 TORX	
Tin snips	
Torque wrench	36 lbs/in or 4.1 Nm
Special Chemicals	Notes

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General Applicability

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Recommended Sequence of Application

Item #	Accessory
1	
2	
3	
4	

*Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Reqd.	Description

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.



REVISION MARK: This mark highlights a change in installation with respect to previous issue.

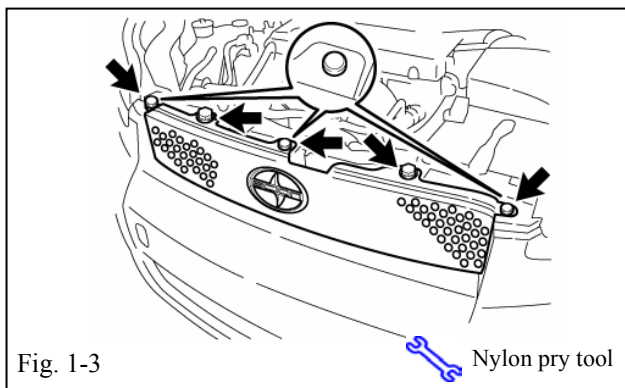
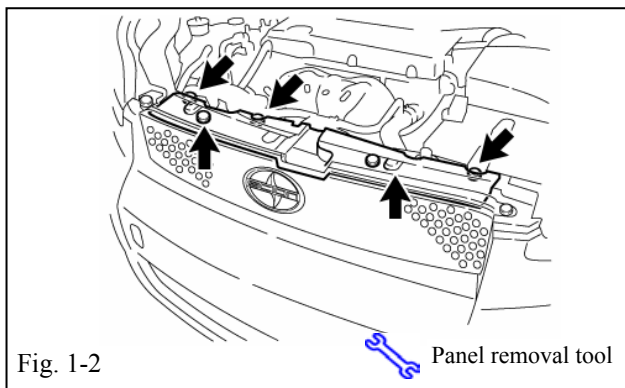
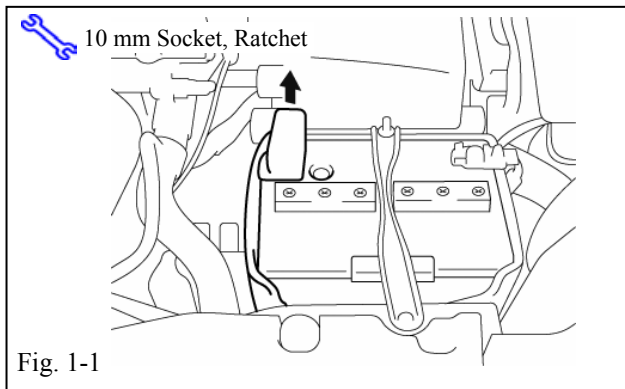
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

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.

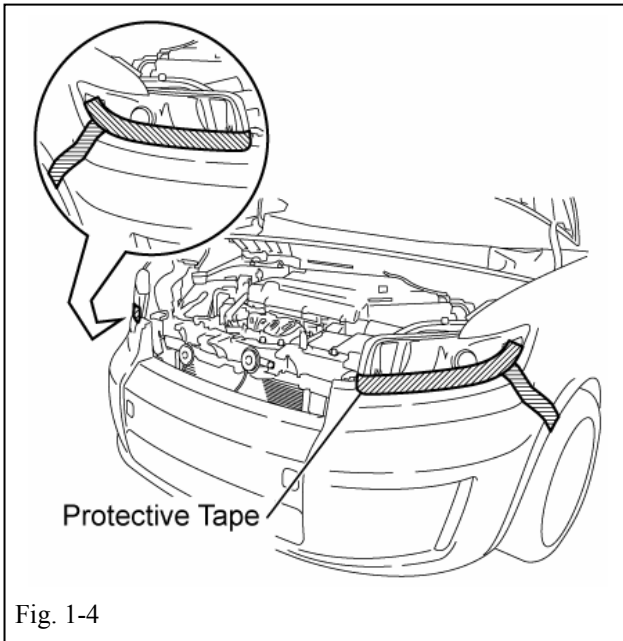


NOTES

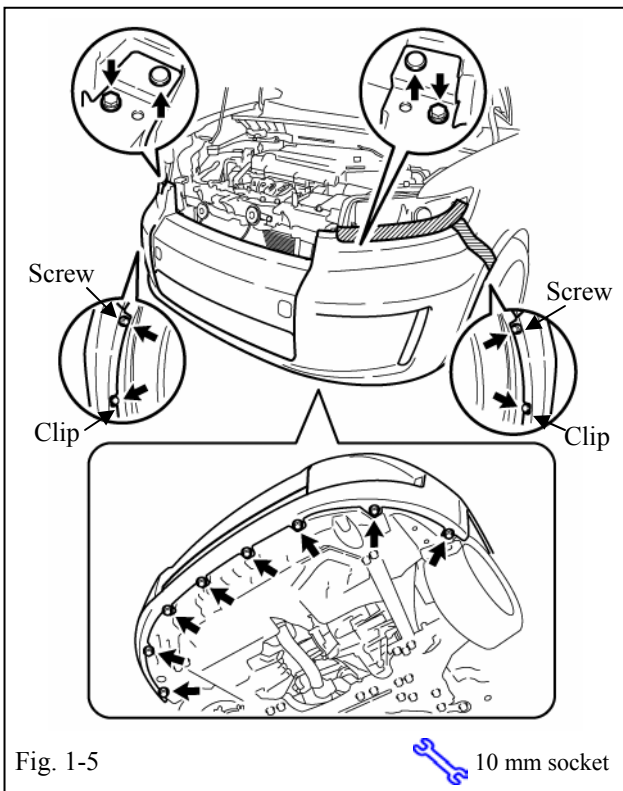
- STOP** Removed Parts:
Place all removed parts on a protected surface.
- STOP** Connectors:
When disconnecting connectors, do not pull on the wires; pull on the connectors.
- STOP** Lock Ties:
When using lock ties to secure harness, clip the lock ties after securing them.
- STOP** Machine Screws:
Start all machine screws by hand.
Back door lock cannot be released without reconnecting negative battery cable.

1. Vehicle Disassembly

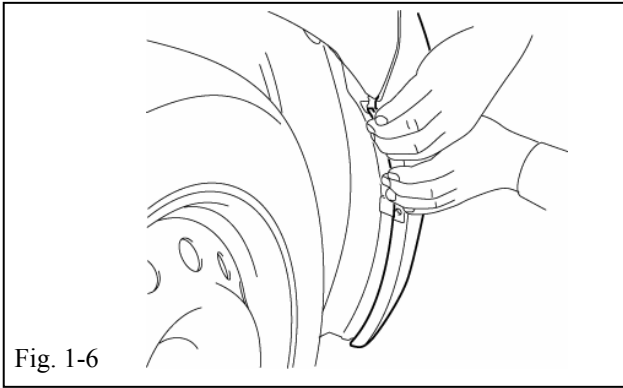
- (a) Remove the negative battery cable.
(Fig. 1-1)
- STOP** (1) Protect the fender before starting.
- +** (2) Do not touch the positive terminal with any tool when removing cable.
- (b) Remove five (5) clips from radiator cover.
(Fig. 1-2)
- (c) Remove radiator cover.
- (d) Remove five (5) clips from upper bumper grill. (Fig. 1-3)





- (e) Apply masking tape to driver side and passenger side of fender, as shown.
(Fig. 1-4)
- (1) Be sure to clean surface before applying masking tape.



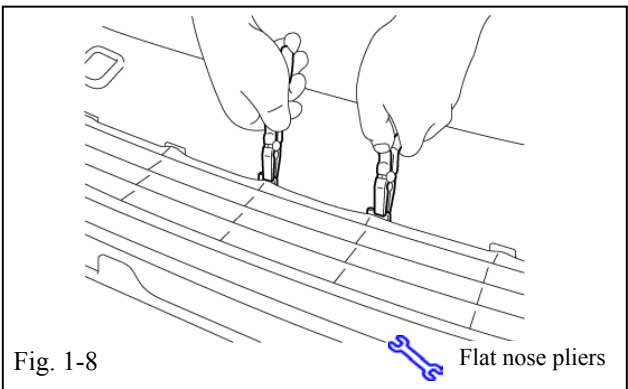
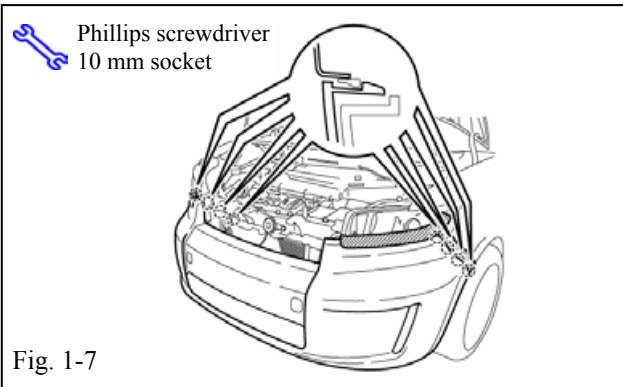
- (f) Remove the four (4) top screws.
- (g) Remove eight (8) screws.
- (h) Remove the two screws and two clips.



 (j) Carefully pull bumper fascia out on driver side and passenger side. (Fig. 1-6)

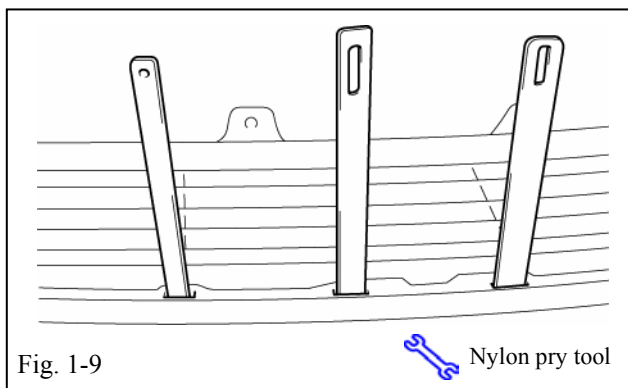
 (k) Carefully pull bumper fascia out to disengage. (Fig. 1-7)

(l) Remove bumper fascia and place outer surface on clean protective blanket. (Fig. 1-7)

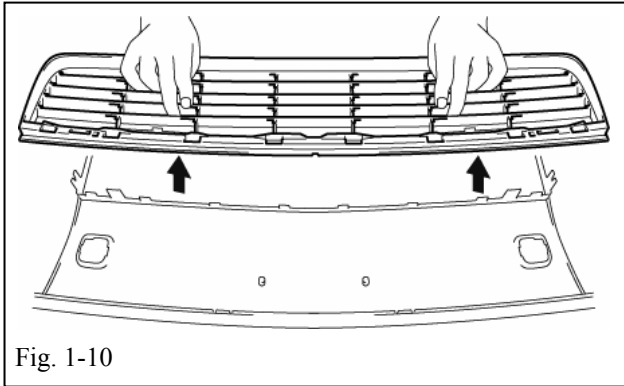


(m) Place bumper on protective blanket.

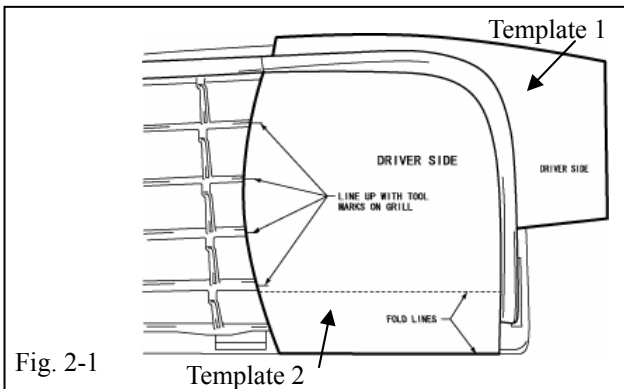
(n) Using pliers, carefully depress tabs to allow nylon pry tool to be inserted. (Fig. 1-8)




(o) Insert multiple nylon pry tools to release all clips around grill. (Fig. 1-9)



- (p) Remove grill from bumper fascia. (Fig. 1-10)

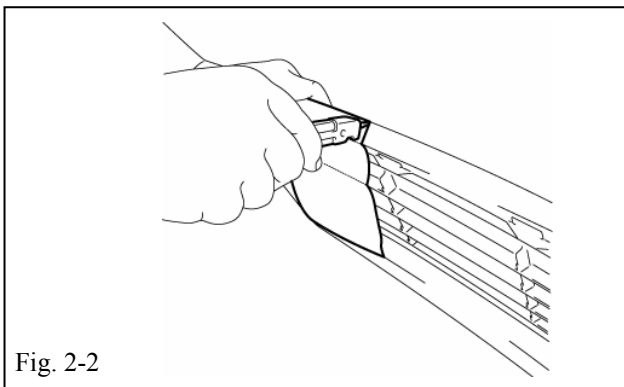



2. Cutoff Templates

-  (a) Using scissors, cut out templates 1 and 2 from paper following the solid outlines (see template illustrations at the end of instruction).

- (b) Fold templates on dashed lines that are labeled “Fold Lines.”

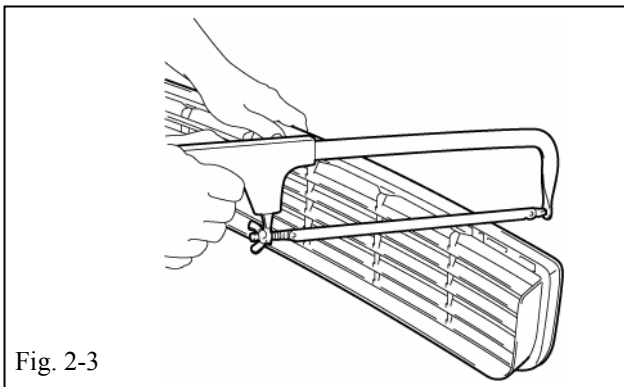
- (c) Locate templates 1 and 2 onto grill and tape them into place. (Fig. 2-1)

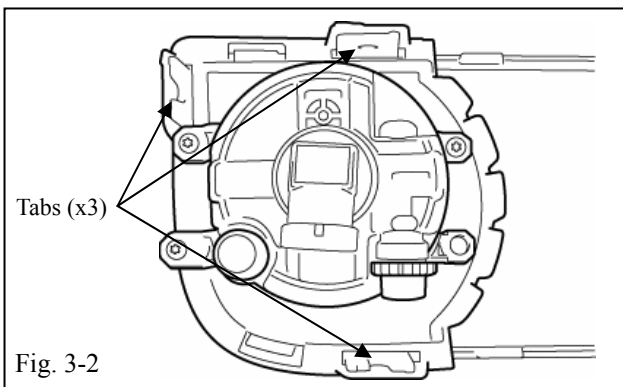
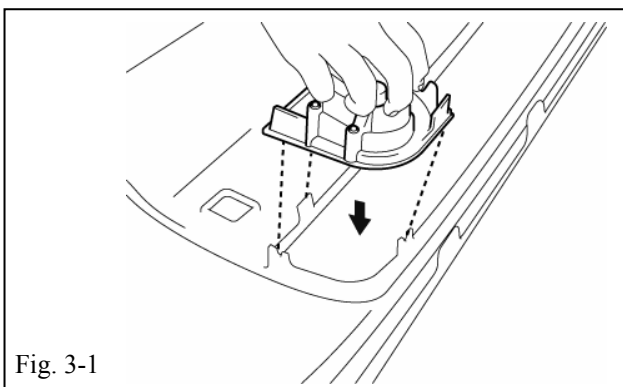
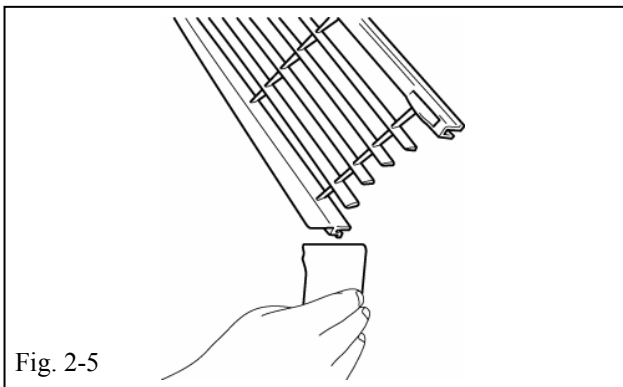
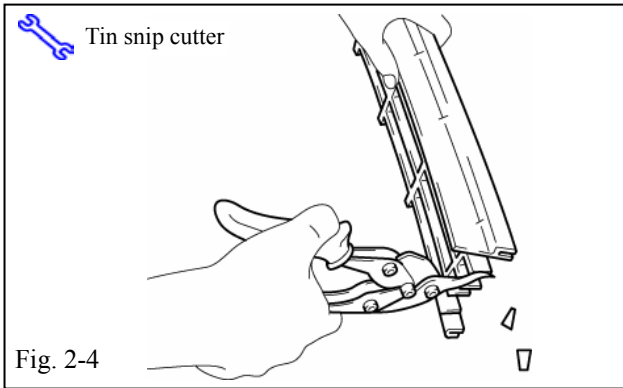


-  (d) Mark a line on the grill where cutting is required. Do this on the top and bottom of the grill where the template is labeled “Mark This Line For Cutting.” The front of this mark should be aligned with the tool mark on the grill. (Fig. 2-2)

- (e) Remove the templates.

- (f) Cut the grill on the marks that were made on the top and bottom of the grill. (Fig. 2-3)





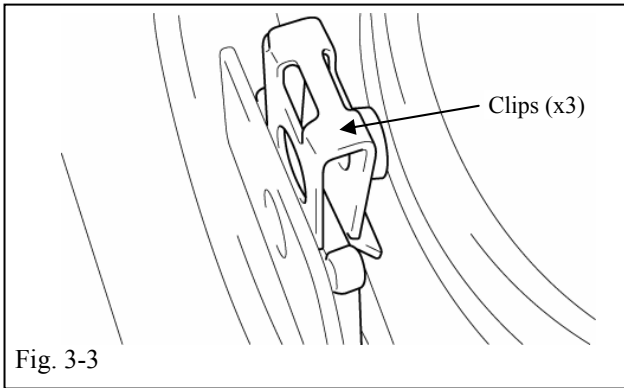
- (g) Also, use cutters to cut the inner grill tabs on the tool marks. (Fig. 2-4)
- (h) Repeat this procedure for the driver side and the passenger side.

- (i) Use 220 grit or higher sandpaper to remove any excess plastic burrs. (Fig. 2-5)

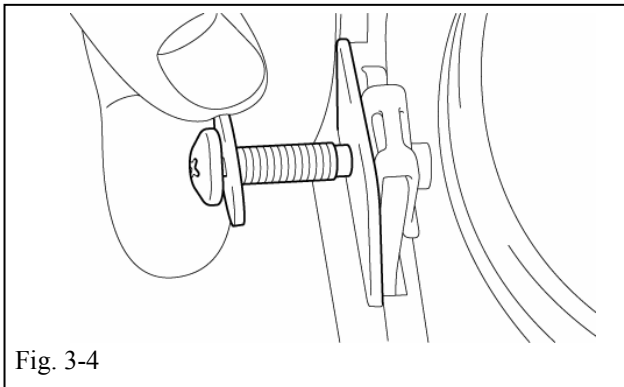
3. Fog Light Installation

- (a) Install left side lamp into bumper fascia. (Fig. 3-1)

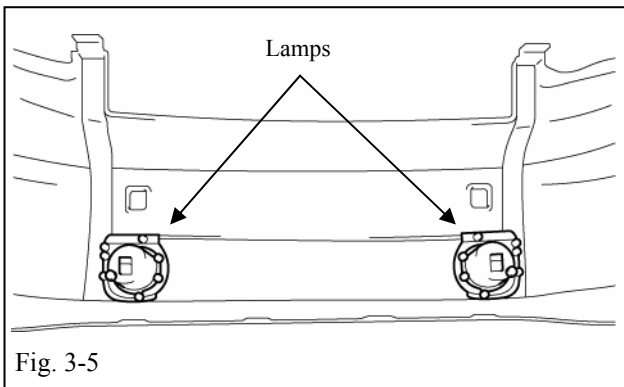
- (b) Make sure all three tabs are correctly inserted into bezel. (Fig. 3-2)



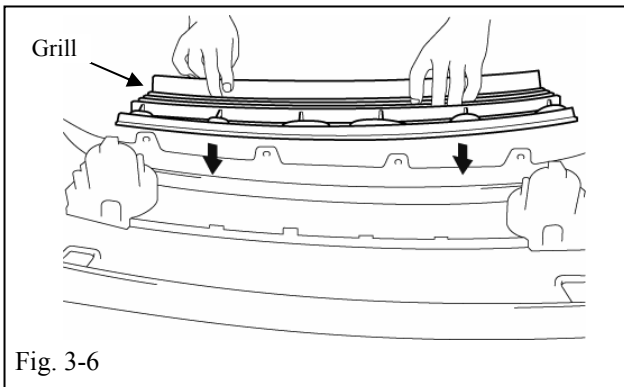
- (a) Install by hand three (3) clips on tabs with threaded portion facing bezel. (Fig. 3-3)



- (b) Loosely install the three (3) TORX head screws. (Fig. 3-4)



- (c) Repeat steps 3(a) through 3(b) for right side lamp. (Fig. 3-5)



- (d) Install grill onto bumper fascia. (Fig. 3-6)

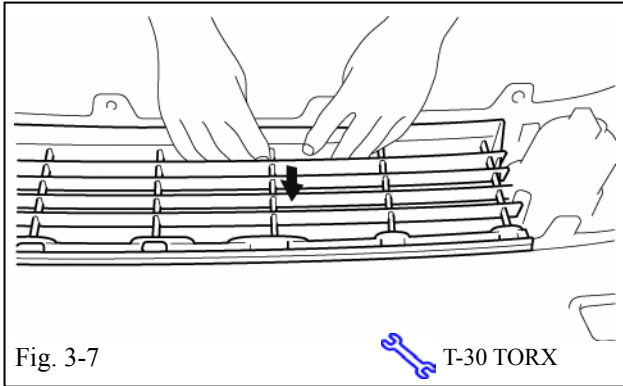


Fig. 3-7

T-30 TORX

- (a) Secure grill by pressing grill down and bumper tabs snap into place. (Fig. 3-7)
- (b) Align grill for equal gap separation between grill and bezel on left side and right side.
- (c) Tighten all six (6) TORX screws.

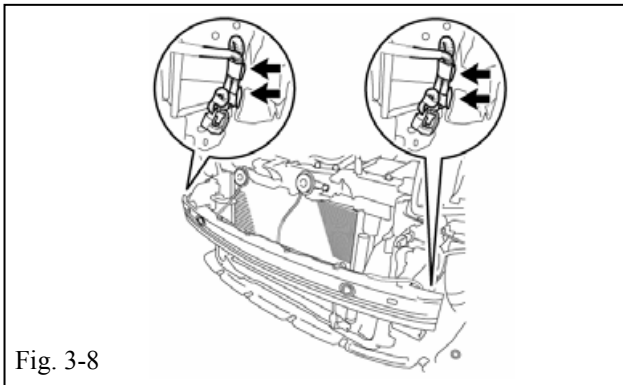


Fig. 3-8

- (d) Locate the vehicle fog light electrical connectors on right and left sides.
- (e) Remove tape.
- (f) Plug connector into lamps on bumper/grill assembly. (Fig. 3-8)
- (g) Carefully reinstall bumper fascia.

Note: (Do not install screws until after function check.)

4. Switch Installation

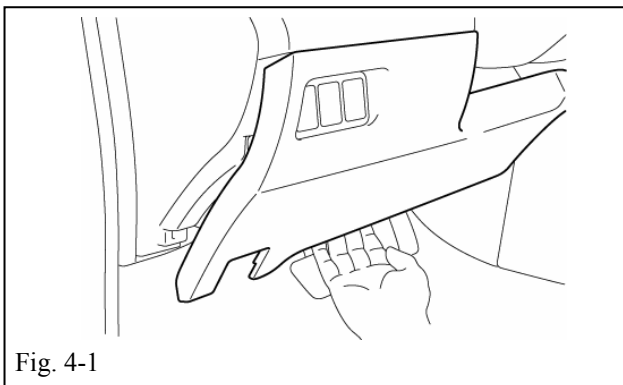


Fig. 4-1

- (a) Carefully pull on lower portion of lower instrument panel. (Fig. 4-1).
- (b) Remove lower instrument panel.

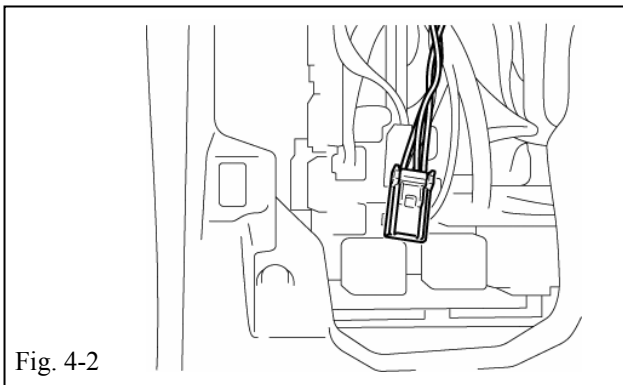


Fig. 4-2

- (c) Locate the 5-pin vehicle connector.

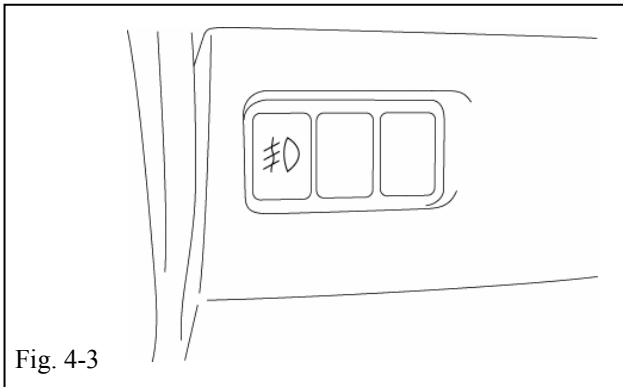


Fig. 4-3

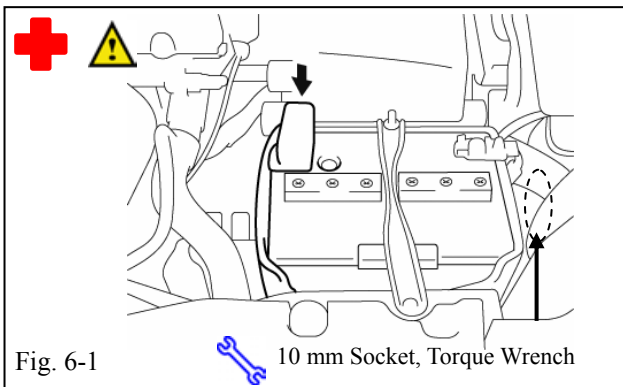


Fig. 6-1

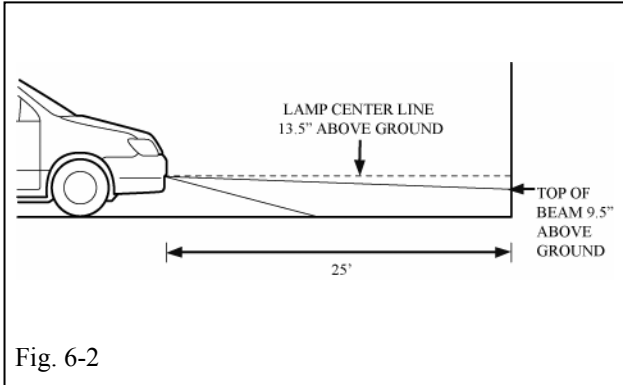


Fig. 6-2

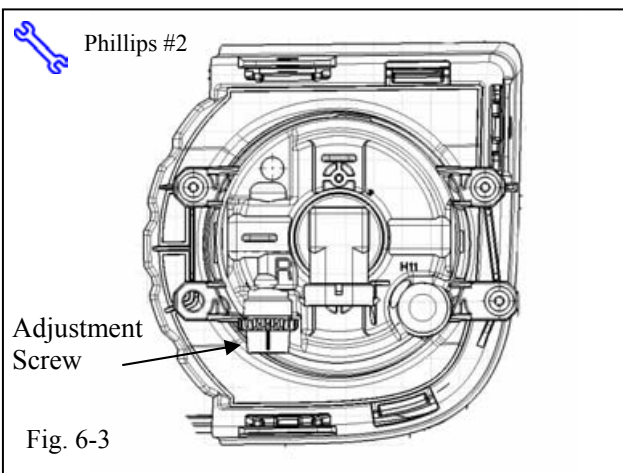


Fig. 6-3

- (d) Remove the far left knock out. (Fig. 4-3)
- (e) Install the switch.

5. Complete the Reassembly of Vehicle

- (a) Reattach the bumper fascia/fog light assembly to the vehicle.

- (1) Connect both fog lights to the vehicle pre-wire connectors as referenced in figure 2-8.

- (b) No not install hardware screws at this point.

6. Reconnect Battery Cable

- (a) Reconnect the vehicle's negative battery cable. (Fig. 6-1)

- (1) Position the negative terminal to the battery as shown (original factory position).

- (2) Tighten the nut to 4.1 N•m (36 lbf•in).

- (3) Do not touch the positive terminal with any tool when installing the cable.

- (b) In process function check:

- (1) Turn on head lamps in low beam.
- (2) Turn on fog lamps.
- (3) Confirm fog lamps turn on.
- (4) Confirm fog lamps turn off.
- (5) Alignment check (Fig. 6-2)

- (c) If fog lamps need alignment, remove lower engine cover

- (1) Using Phillips screwdriver, turn adjustment screw to adjust beam height as shown in Fig. 6-3.

Checklist - these points **MUST** be checked to ensure a quality installation.

Check:

Look For:

Accessory Function Checks

Fog Lights

Verify the fog lights operate correctly and turn off when high beams are turned on.

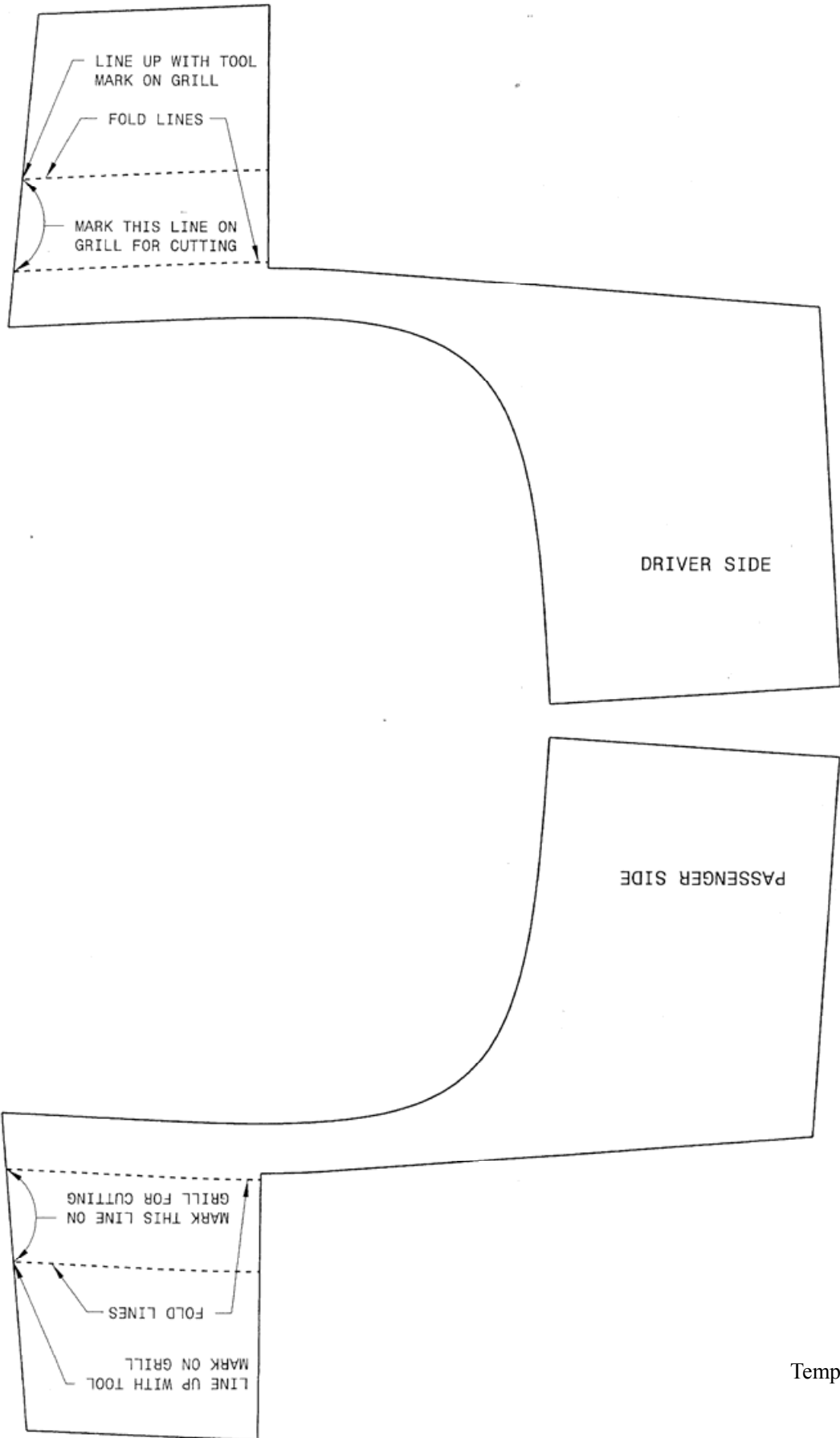
Vehicle Function Checks

Head Lights

Head lights operate properly

Accessory functions located on lower IP.

Accessory functions operate properly.



DRIVER SIDE

PASSENGER SIDE

LINE UP WITH TOOL
MARK ON GRILL

FOLD LINES

MARK THIS LINE ON
GRILL FOR CUTTING

MARK THIS LINE ON
GRILL FOR CUTTING

FOLD LINES

LINE UP WITH TOOL
MARK ON GRILL

Template 1

