

Toyota

SIENNA

2011-

Interior Light Upgrade

Part Number 00016-00095

Accessory Code: IL10



If printing this document select "none" for PAGE SCALING or templates will not print to the correct size.

Conflicts

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Kit Contents

Item #	Quantity Req'd.	Description
1	1	"Y" Adapter
2	1	Wire harness
3	1	Hardware Kit
4	2	White Light Modules
5	1	Switch Kit
6	2	Amber cup holder kits
7	1	Customer Information card

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	4	Wire tie .0625
2	5	foam pads
3	2	T-Taps
4	4	Modules Screws

Switch Bag Contents

Item #	Quantity Req'd.	Description
1	1	Switch
2	1	End Cap, Black
3	1	Illumination Nameplate
4	1	Installation tool
5	1	Bezel
6	1	Black spacer

Recommended tools

Safety Tools	
Vehicle protection	
Safety glasses	
Special Tools	
Installation Tools	
Phillips screwdriver	1/4 inch jewelers
Torque wrench	36in. lbs
Nylon Removal Tool	
Pliers	
Diagonal cutter	or wire tie tool
Scissors	
Drill	
1/8" Drill bit	
1/2" Drill bit.	UniBit or step drill rec.
9/32" Drill bit	
Scribe or Center punch	
Masking tape	
Forked fastener remover	

Color Applicability/Trim Level

Accessory Color																			

General Applicability

All models of SIENNA

Recommended Sequence of Application

Item #	Accessory	
1 *	Overlay	Apply any overlay first
2		
3		

*Mandatory

Legend

STOP: Damage to the vehicle may occur. Do not proceed until process has been completed 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.

SAFETY TORQUE: This mark indicates that torque is related to safety.

SPECIAL NOTE:

After TMS and Safety mandated preparatory steps have been taken, the installation sequence is the suggested method for completing the accessory installation. In some instances the suggested sequence is written for one associate to install and in others the sequence is given as part of a team accessory installation. Unless otherwise stated in the document, the associates may perform the installation steps in any order to make the installation as efficient as possible while maintaining consistent quality.

Kit Contents:

Part Name

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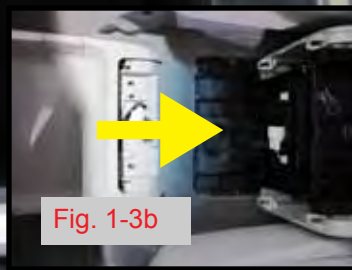
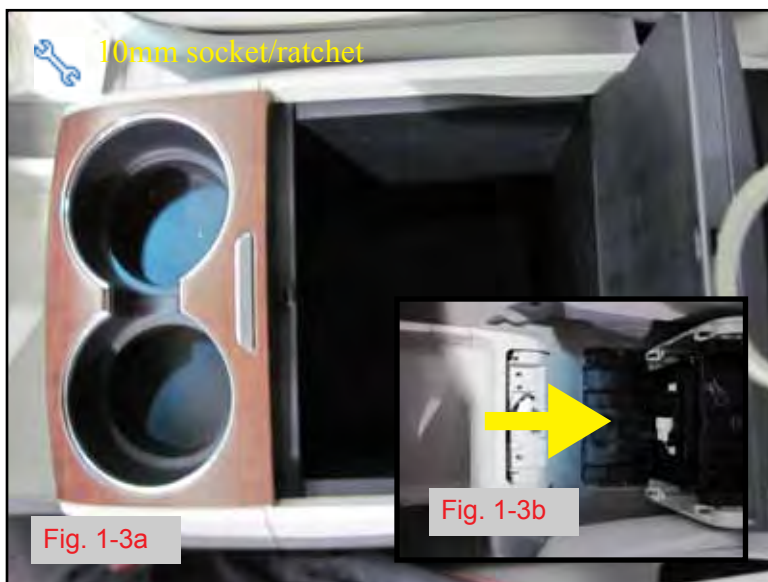
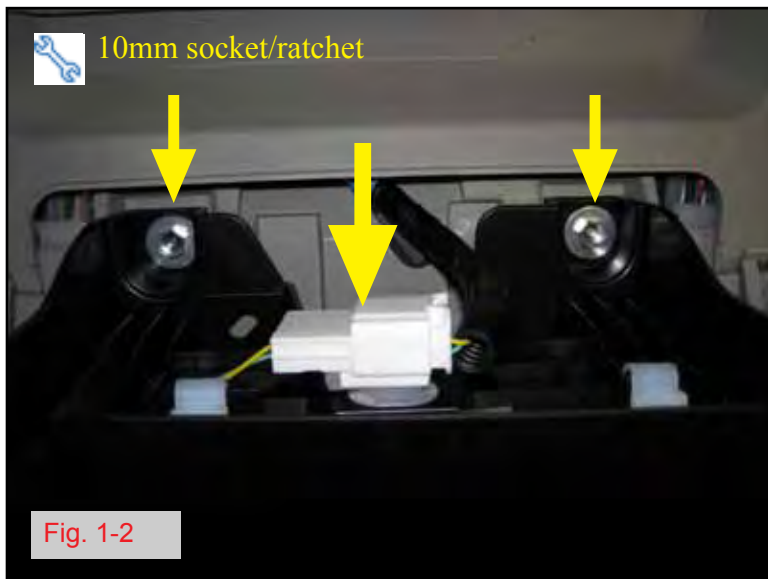
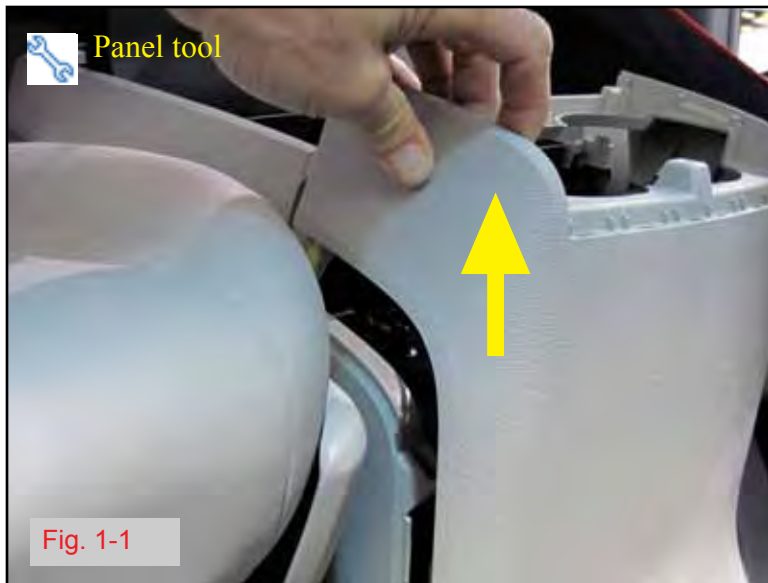
Accessory Installation Practice (read before installation)

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, checking torque procedure, etc.)
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.)
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.)



1. Check Kit Contents

- a. Check kit for content and damage.

2. Vehicle Preparation



- a. Remove battery negative terminal.

CAUTION: do not touch the positive terminal with any tool during removal



- b. Apply protective covering to vehicle.

3. Remove between seat storage bin

- a. NOTE: IF NO CENTER CONSOLE IS PRESENT START AT STEP SIX.

1. Use panel safe tool.
2. Pull front trim panel upwards and put aside (Fig. 1-1)
3. Using 10mm socket remove two (2) bolts indicated with arrows. (Fig. 1-2)
4. Disconnect connector indicated by arrow. (Fig. 1-2)
5. Remove pad, if present, covering bolts located in bottom of storage bin. (Fig. 1-3a)
6. Using 10mm socket remove two (2) bolts located in bottom of storage box. (Fig. 1-3a)
7. Slide center console towards rear of vehicle and remove from behind the front seats. (Fig. 1-3b)

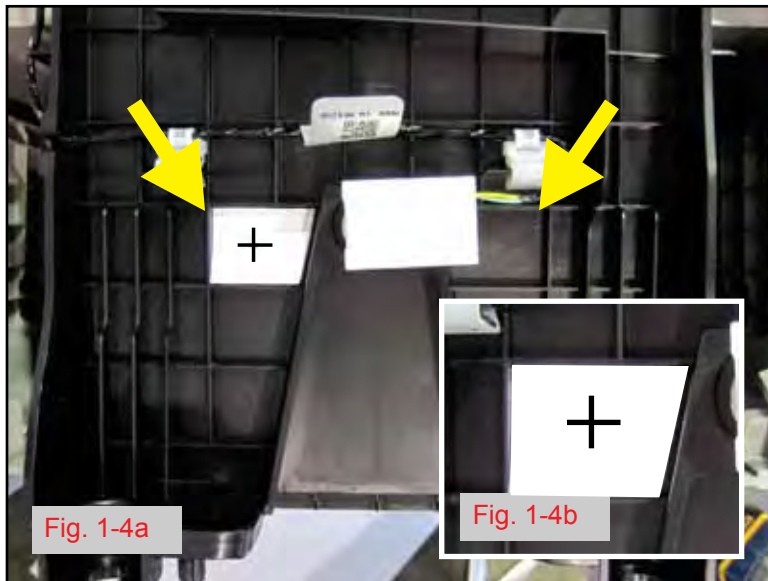


Fig. 1-4a

Fig. 1-4b

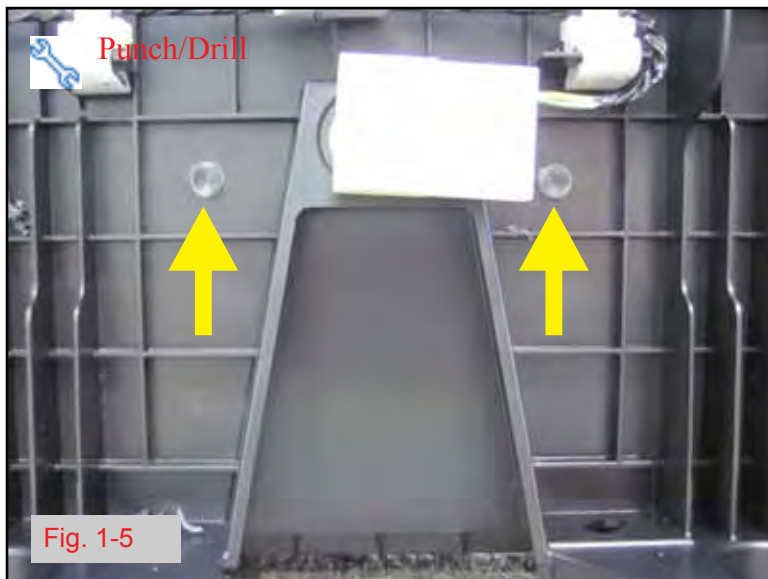


Fig. 1-5

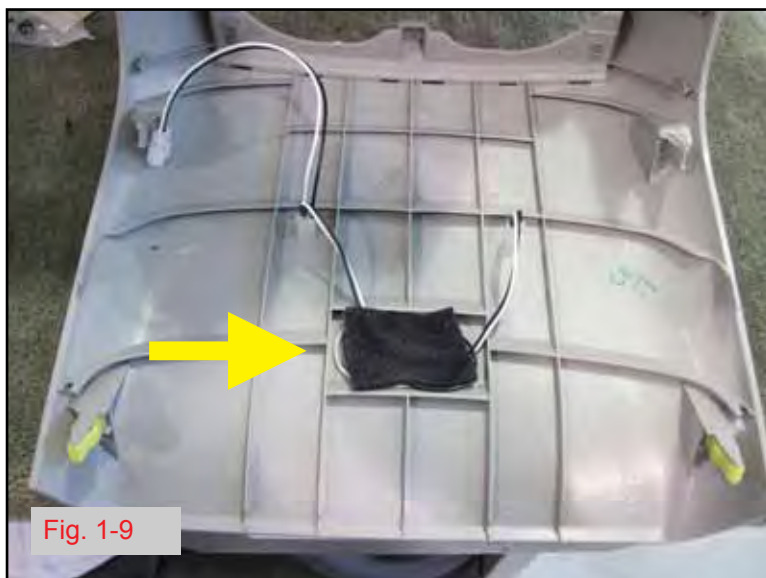
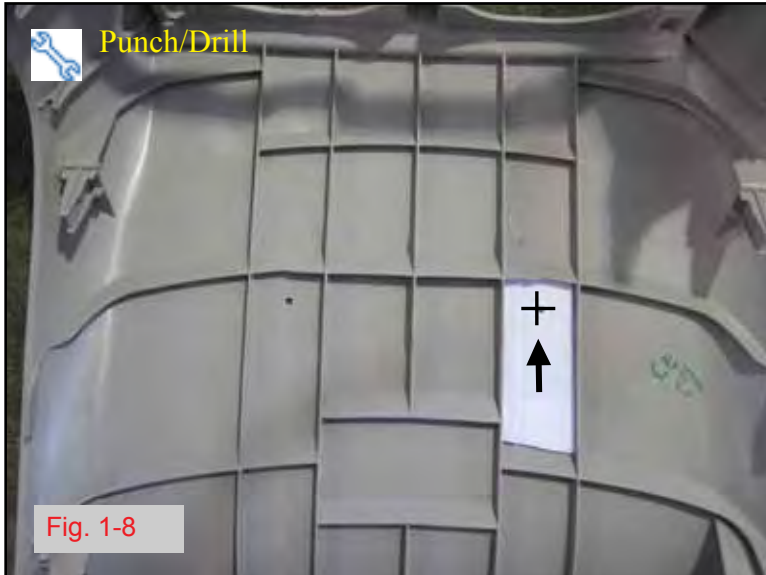
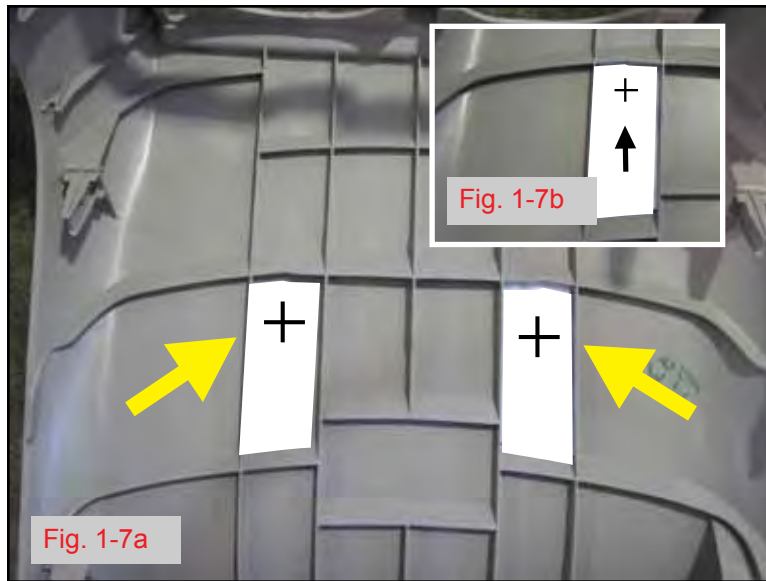


Fig. 1-6

4. Install Storage Box Lights

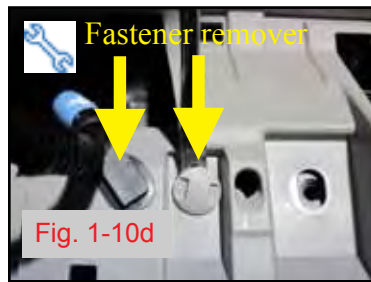
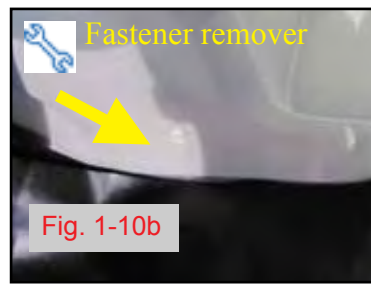
1. Cut out enclosed paper template labeled "STORAGE BIN".
 2. Locate areas as indicated by arrows to place templates. (Fig. 1-4a)
 3. Align template as shown use a punch/ scribe to mark the center of the hole to be drilled. (Fig. 1-4b)
 4. Drill pilot holes with 1/8" drill bit.
 5. Finally drill hole with a 9/32" drill bit. (Fig. 1-5)
 6. De-burr holes with de-burring tool.
- a. Insert Lens from inside of storage box. (Fig. 1-5)
1. From rear of the of storage box install the LED's onto the lenses. Press firmly while holding the Lens from the inside. (Fig. 1-6)
 2. Use adhesive pad to secure excess wire. (Fig. 1-6)





5. Install forward facing center console lamps

1. These lamps are to be installed in the panel removed in Fig. 1-1.
- a. Drill lamp holes.
 1. Cut out enclosed paper template labeled "FORWARD PANEL LAMPS"
 2. Locate areas to indicated by arrows to place templates. (Fig. 1-7a)
 3. Align template as shown use a punch/ scribe to mark the center of the hole to be drilled. (Fig. 1-7b)
 4. Drill pilot holes with 1/8" drill bit. (Fig. 1-7b)
 5. Finally drill hole with a 9/32" drill bit. (Fig. 1-8)
 6. De-burr holes with de-burring tool.
- b. Insert Lens from outside of panel.
- c. Install the LED's onto the lenses. Press firmly while holding the Lens from the outside.
- d. Secure excess wire with foam pad. (Fig. 1-9)



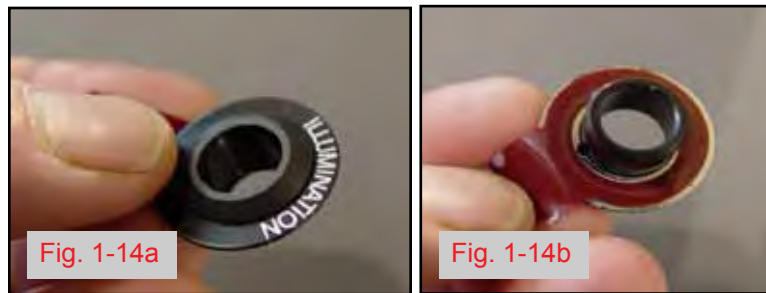
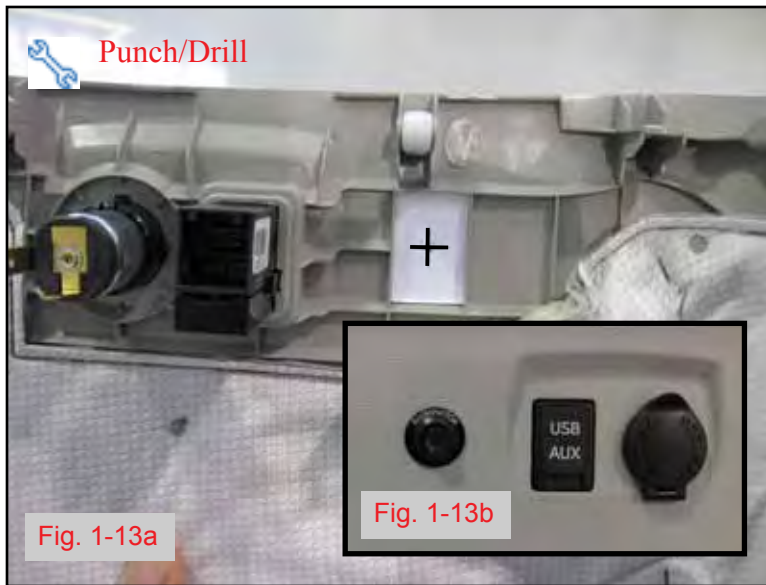
6. Remove lower tray assembly

a. Remove forward kick panels

1. Remove fastener indicated by arrow. (Fig1-10a)
2. Repeat on opposite side.
3. pull panel towards front of vehicle

b. Remove lower tray assembly.

1. Remove fastener indicated by arrow. (Fig. 1-10b)
2. Repeat on opposite side.
3. Remove trim piece indicated by arrow by sliding towards rear of vehicle. (Fig. 1-10c)
4. Disconnect fastener and cable retainer indicated by arrows. (Fig. 1-10d)
5. Slide lower tray slightly towards rear of vehicle. (Fig. 1-11)
6. Disconnect audio and auxillary power connectors indicated by arrows. (Fig. 1-12)
7. Slide tray farther back and remove from vehicle.



7. Install illumination switch

- a. Drill hole for switch.
 1. Cut out enclosed paper template labeled "SWITCH"
 2. Completed installation shown for reference. (Fig. 1-13b)
 3. Use a punch or scribe to mark center of the hole to be drilled. (Fig. 1-13b)
 4. Using a 1/2" drill bit (Unibit or step drill is highly recommended), to drill hole. (Fig. 1-13a)
- b. Clean surface to remove grease and wax.
 1. Wipe the application area clean with alcohol and a clean no-scratch cloth.
 2. Dry the installation area using a clean, dry, lint free cloth.
- c. Insert switch bezel into switch plate. (Fig. 1-14a)
- d. Using the pull-tab, remove the tape liner from the back of the switch plate. (Fig. 1-14b)
 1. Avoid finger contact with the adhesive surface.
- e. Using the bezel as a guide, install switch plate/bezel into the previously drilled 1/2" hole.
- f. Align the printing "ILLUMINATION" square to the console. (Fig. 1-13b)
 1. Once aligned, press down firmly to adhere tape.
- g. Install Sleeve to bezel, white edge of sleeve goes towards console. (Fig. 1-14c)
- h. Install switch to bezel as shown.
 1. Using switch tool turn bezel clockwise to tighten.
 2. Be careful not to over tighten as this will "over ride" the threads on the switch. If this happens simply retighten being careful not to over tighten. (Fig. 1-15)
 3. Push button into bezel pressing to engage.

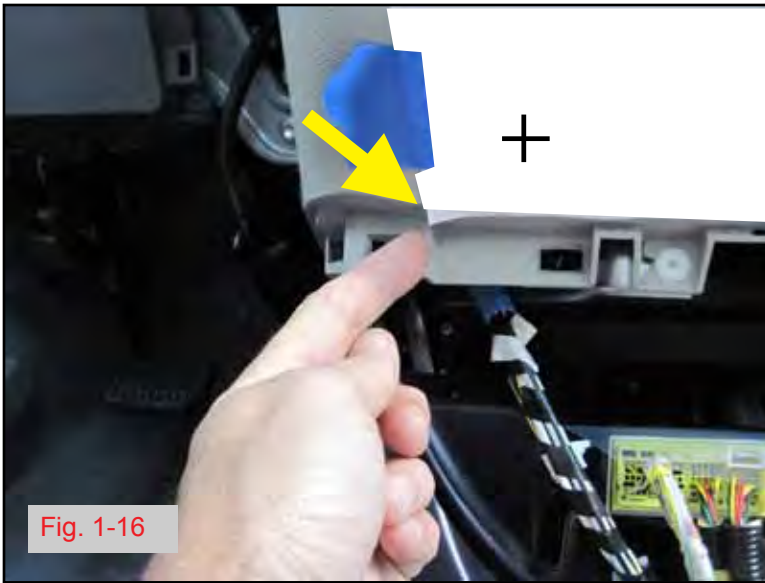


Fig. 1-16



Fig. 1-17

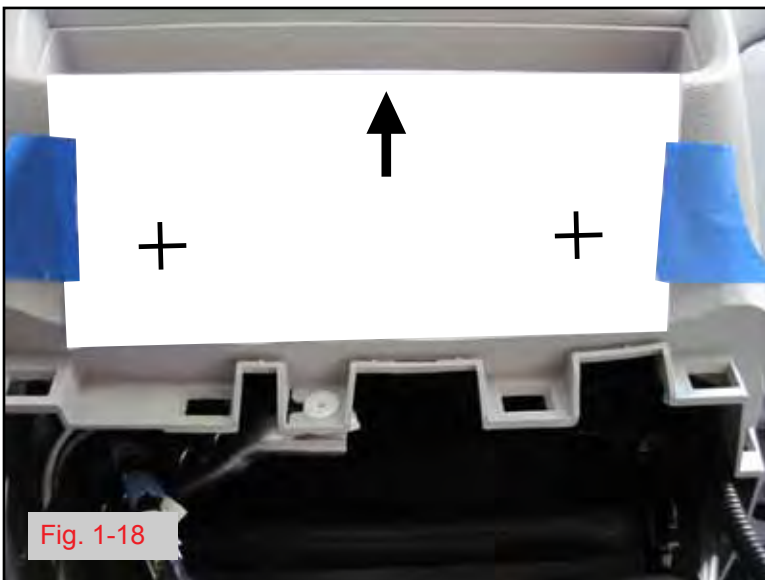
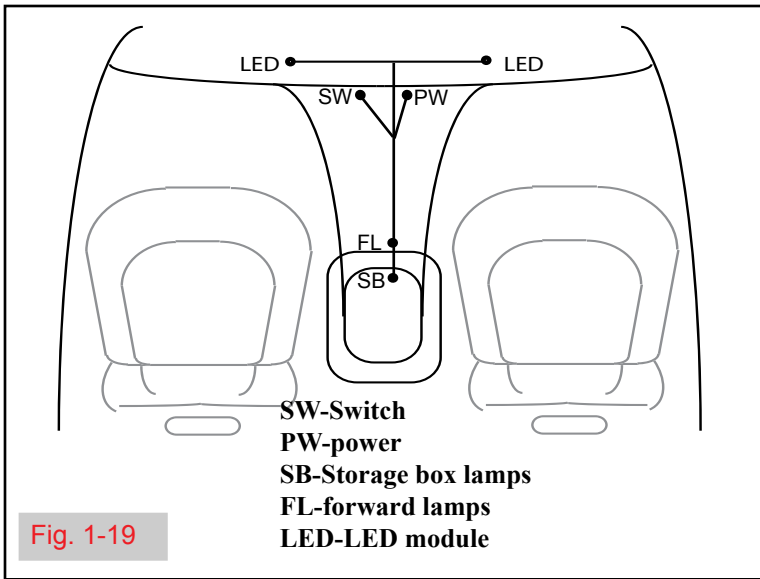


Fig. 1-18

8. Lamp installation no center console present

- a. Drill holes for down wash lamps.
 1. Cut out enclosed paper template labeled "DOWN WASH LAMPS"
 2. Align drivers side corner of template as indicated by arrow. (Fig. 1-16)
 3. Align passengers side corner of template as indicated by arrow. (Fig. 1-17)
 4. Use a punch/scribe to mark the center of the hole to be drilled. (Fig. 1-18)
 5. Drill pilot holes with 1/8" drill bit.
 6. Finally drill hole with a 9/32" drill bit.
 7. De-burr holes with de-burring tool.
- b. Insert Lens from outside of panel.
- c. Install the LED's onto the lenses. Press firmly while holding the Lens from the outside.
- d. Secure excess wire with foam pad.





9. Install Harness

CAUTION: Secure harness with pads and cable ties as needed, keep harness from touching hot or moving objects.

- a. Lay out harness as shown and identify connectors. (Fig. 1-19)
- b. Bulk of harness will reside under center tray.
- c. Locate power.



- 1. Install T-taps in staggered fashion. (Fig. 1-20a)

- d. Attach harness to power.



- 1. Black wire on harness to white/black wire on power outlet socket.



- 2. White wire on harness to blue wire on power outlet socket.

- e. Route LED module connectors forward and behind kick panels. (Fig. 1-20b)
- f. Reinstall lower tray.

- 1. Connect switch leads to harness. (Fig. 1-20c)

- 2. slide lower tray forward taking care to route harness leads and storage bin connector from under tray to exit at rear of tray. (Fig. 1-20d)

- 3. Secure tray and harness. (Fig. 1-21a)

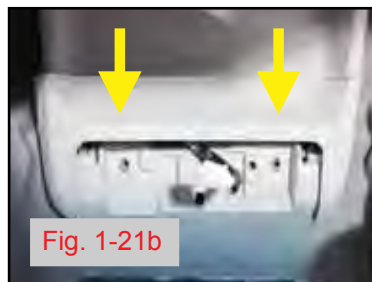
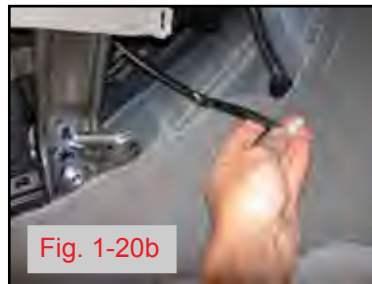
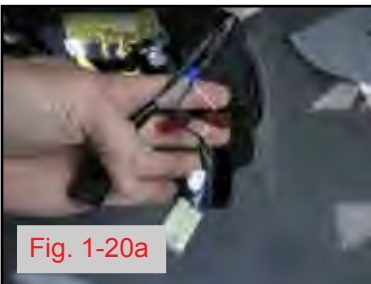
- 4. Reinstall trim piece. (Fig. 1-21b)

- 5. Attach “Y” connector to harness. (Fig. 1-21c)

- 6. Attach “Y” connector to forward facing lamps. (Fig. 21d)

- 7. Secure excess wire with a cable tie. (Fig. 1-20d)

- g. Reinstall center console.





10. Install light modules

- a. Install drivers side light module on previously removed forward kick panel.
 1. Completed installation shown in picture. (Fig. 1-22a)
 2. Attachment location shown in picture. (Fig. 1-22b)
 3. Wipe application area clean with alcohol and a clean no-scratch cloth. (Fig. 1-23a)
 4. Dry the installation area using a clean, dry, lint free cloth.
 5. Using the pull tab remove the tape liner from the back of the switch plate. (Fig. 1-23b)
 6. Avoid finger contact with the adhesive surface.
 7. Press module firmly against surface.
 8. Secure module with screws. (Fig. 1-23c)
- b. Install passenger side light module on previously removed forward kick panel.
 1. Completed installation shown in picture. (Fig. 1-24a)
 2. Attachment location shown in picture. (Fig. 1-24b)
 3. Wipe application area clean with alcohol and a clean no-scratch cloth. (Fig. 1-23a)
 4. Dry the installation area using a clean, dry, lint free cloth.
 5. Using the pull tab remove the tape liner from the back of the switch plate. (Fig. 1-23b)
 6. Avoid finger contact with the adhesive surface.
 7. Press module firmly against surface.
 8. Secure module with screws. (Fig. 1-23c)

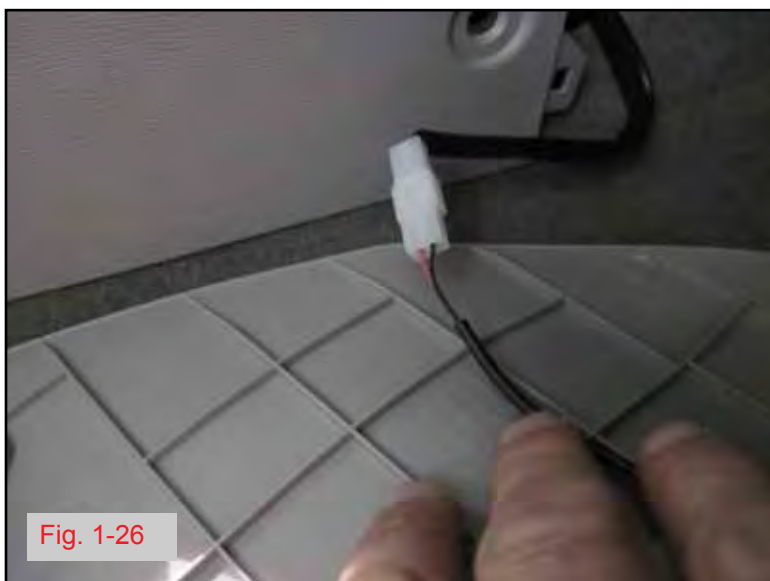




- c. Secure LED module leads to rear of kick panels with foam pad. (Fig. 1-25)
- d. Connect LED module to previously installed harness. (Fig. 1-26)
- e. Reinstall kick panels.

11. Post Installation

- a. Reinstall interior.
- b. Re-attach negative battery terminal, torque to 36 inch pounds.
- c. Place information card in glove box.



VEHICLE FUNCTION CHECK

AFTER ALL PANELS, COVERS, AND COMPONENTS HAVE BEEN REINSTALLED, THAT WERE REMOVED, TEST THOROUGHLY, ALL MECHANICAL AND ELECTRICAL COMPONENTS DISCONNECTED AND OR REMOVED FROM THE VEHICLE DURING THE INSTALLATION OF THIS ACCESSORY.

TOYOTA SIENNA INTERIOR LIGHT UPGRADE
CHECKLIST – these points **MUST** be checked to ensure a quality installation.

Accessory Function Checks

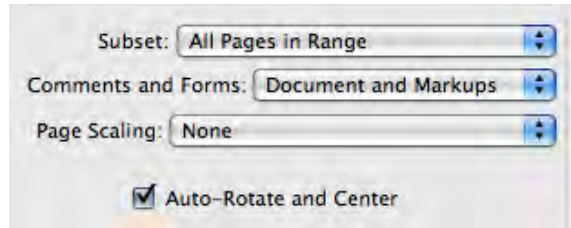
Major Action Item

	What to do.	What to look for.
1	Cycle test the system with the key in the ACC or ON position. The cycle may start from any step below but should cycle in this order.	Storage and cup holder lights on
2	Press lighting power button, second time	Footwell lighting on
3	Press lighting power button, third time	Both footwell and cupholder lights on
4	Press lighting power button, fourth push	All lighting off
5	*Sequence may start in different order than above	
6		
7		
8		
9		

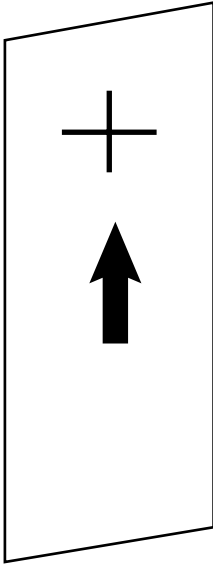
Vehicle Function Check

	Function		Function
	Auxiliary power outlet		Verify Auxiliary power outlet

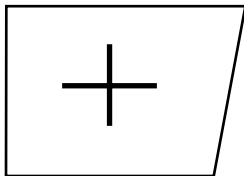
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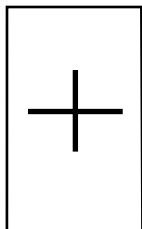
SIENNA TEMPLATES



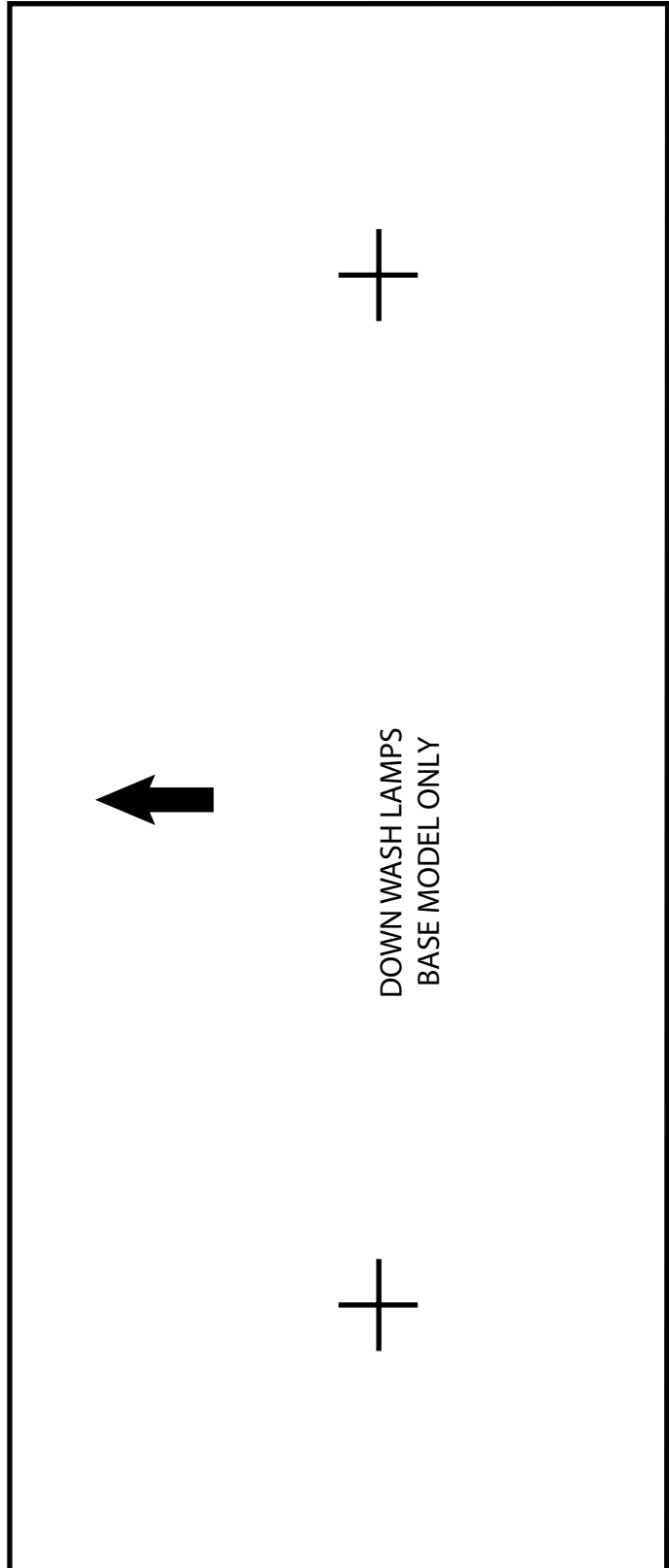
FORWARD
PANEL LAMPS



STORAGE BIN



SWITCH



DOWN WASH LAMPS
BASE MODEL ONLY