

Toyota Highlander 2010- Interior Light Upgrade

Part Number 00016-00095

Accessory Code: IL2



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

Color Applicability/Trim Level

Accessory Color																				

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

General Applicability

All models of Highlander

Recommended Sequence of Application

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

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

Legend

*Mandatory

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.

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

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	

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.

Section II - Installation Procedure

A. Check Kit Contents


1. Check kit for content and damage. (Fig. A1)

B. Vehicle Preparation


-  1. Remove battery negative terminal.
-  2. Apply protective covering to vehicle

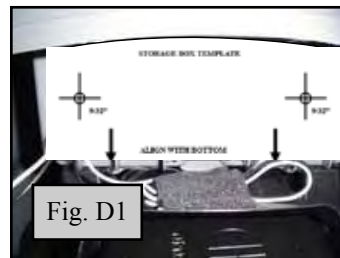
C. Remove center console

Refer to official Toyota documentation before removal

-  1. Remove cup holder unit.
 - i. Set parking brake.
 - ii. Use panel safe tool.
 - iii. Pry around rear edge of front bezel insert. (Fig. C1) .
 - iv. Use caution removal takes a great deal of force. (Fig. C2)
 - v. Remove from vehicle.

D. Install Storage Box Lights

1. Drill holes for storage box lights.
 - i. Cut out enclosed paper template labeled "Storage box".
 - ii. Align template as shown use a punch/scribe to mark the center of the hole to be drilled. (Fig. D1)
 -  iii. Drill pilot holes with 1/8" drill bit.
 - iv. Finally drill hole with a 9/32" drill bit.
 - v. De-burr holes with de-burring tool.
2. Insert Lens from inside of storage box. (Fig. D2)
3. Firmly press LED assembly into lens. (Fig. D3)
4. Use adhesive pad to secure excess wire. (Fig. D4)



E. Install Cup Holder Lights.

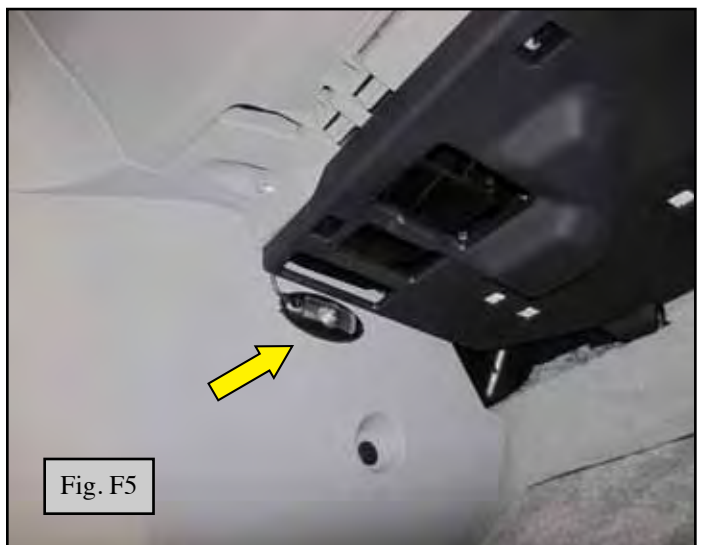
1. Drill holes for cup holder lights
 - i. Cut out “Cup holder” template.
 - ii. Place center console as shown. (Fig. E1)
 - iii. Align template as shown using ribs in casting for alignment. (Fig. E2)
 - iv. Use a punch/scribe to mark the center of the hole to be drilled.
 - v. Drill pilot holes with 1/8” drill bit.
 - vi. Drill the lamp hole with a 9/32” drill bit. (Fig. E3)
 - vii. De-burr holes with de-burring tool.
2. Insert lens from inside of cup holder.
3. Orient harness so connector will be towards front of cup holder assembly when complete.
4. From the outside of the cup holder, install the LED’s onto the lenses. Press firmly while holding the Lens from the inside.
5. Use adhesive pad to secure wires. (Fig. E4)
6. Finally assembly should look as shown. (Fig. E5)



Section II - Installation Procedure

F. Install Light Modules

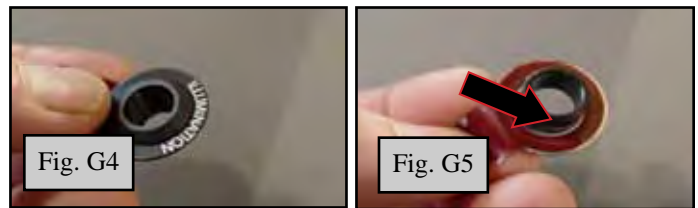
1. Install Driver side Light Module.
2. Locate attachment location indicated by arrow. (Fig. F1)
3. Clean surface to remove and wax.
 - i. Wipe application area clean with alcohol and a clean no-scratch cloth.(Fig. F2)
 - ii. Dry the installation area using a clean, dry, lint free cloth.
4. Using the pull tab remove the tape liner from the back of the switch plate. (Fig. F3)
 - i. Avoid finger contact with the adhesive surface.
 - ii. Press module firmly against surface.
5. Secure module with screws. (Fig. F4)
6. Install passenger side Light Module.
7. Locate attachment location indicated by arrow. (Fig. F5)
8. Repeat steps 3 and 4.



Section II - Installation Procedure

G. Install power Switch

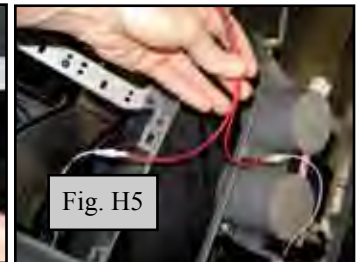
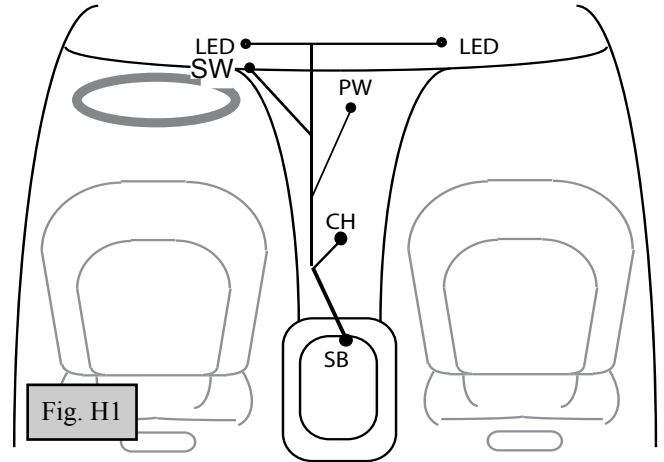
1. Drill hole for switch.
 - i. Switch will be installed in shroud removed earlier. (Fig. G1)
 - ii. Visually center hole to be drilled. (Fig. G2)
 - iii. Use a punch or scribe to mark center of the hole to be drilled so that finally assemble will appear as indicated. (Fig. G3)
 - iv. Using a 1/2" drill bit (Unibit or step drill is highly recommended), drill hole as shown. (Fig. G2)
2. Clean surface to remove grease and wax.
 - i. Wipe the application area clean with alcohol and a clean no-scratch cloth.
 - ii. Dry the installation area using a clean, dry, lint free cloth.
3. Insert switch bezel into switch plate. (Fig. G4)
4. Using the pull-tab, remove the tape liner from the back of the switch plate. (Fig. G5)
 - i. Avoid finger contact with the adhesive surface.
 - ii. Press assembly firmly against surface. (Fig. G6)
5. Using the bezel as a guide, install switch plate/bezel into the previously drilled 1/2" hole.
 - i. Align the printing "ILLUMINATION" square to the console.
 - ii. Once aligned, press down firmly to adhere tape.
6. Install Sleeve to bezel, white edge of sleeve goes towards console. (Fig. G7)
7. Align switch leads as shown. (Fig. G8)
8. Install switch to bezel as shown.
 - i. Using switch tool turn bezel clockwise to tighten.
 - ii. 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.
 - iii. Push button into bezel pressing to engage.



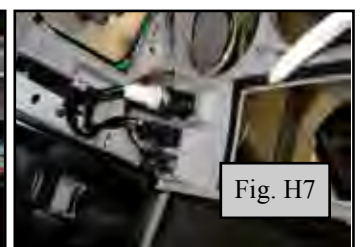
CAUTION: Secure harness with pads and cable ties as needed, keep harness from touching hot or moving objects.

H. Install Harness

1. Lay out harness as shown and identify connectors. (Fig. H1)
2. Bulk of harness will reside along side parking brake of shifter assembly.
3. Route LED module leads behind previously removed shrouds.
 - i. Connect to LED modules. (Fig. H3)
 - ii Reinstall shroud.
4. Repeat on passengers side
5. Locate power.
 - i. Locate auxillary power outlet socket
 - ii. Install T-taps in staggered fashion. (Fig. H4)
6. Attach harness to power.
 - i. Black wire on harness to black wire on power outlet socket.
 - ii. White wire on harness to blue wire on power outlet socket.
7. Route harness to center console lighting.
 - i. Connect “Y” connector. (Fig. H5)
 - ii. Secure excess wire. (Fig. H6)
 - iii. Connect “Y” connector to Storage box lights.
 - iv. Connect “Y” connector to Cup holder assembly and reinstall assembly. (Fig. H7)



Name:	Power Point Socket Assembly
Code:	E18
Part #:	90980-10760
Color:	White



I. Connect Switch to Harness

- ▼ 1. Connect switch leads to harness. (Fig. I1)

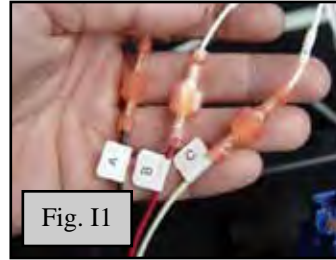


Fig. I1

J. Complete installation

- 1. Reinstall auxiliary power assembly
 - i. Secure excess wire. (Fig. J1ab)
 - ii. Reinstall trim.



Fig. J1a



Fig. J1b

K. Post Installation

- 1. Reinstall interior.
- 2. Re-attach negative battery terminal, torque to 36 inch pounds.
- 3. Clean Light modules.
- 4. 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.
 - i. All lights off.
 - ii. Cup holder lights on only.
 - iii. All lights on.
 - iv. Interior Light on only.
 - v. Back to step “i”.
- 5. The switch should be cycled to step “i” (all lights off) for shipment.
- 6. 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.

Check:

Single Unoperational Module

No Operational Modules

Look for:

Full engagement of affected LED module to LED wire harness pigtail connector.

Full engagement of all LED module to LED wire harness pigtail connectors.

Power connection.

Ground connection

Switch connections

Blown light kit fuse. (2 amp located under center console)

Blown power outlet fuse

2 INCHES

STORAGE BOX TEMPLATE



9/32"



9/32"



ALIGN WITH BOTTOM



CUP HOLDER

