

Section I – Installation Preparation

Part Number:

PTS21-52053 (Rear Light Guide Kit)

PTS21-52035-03 (LED Kit, Red)

PTS21-52035-05 (LED Kit, Amber)

PTS21-52035-06 (LED Kit, Green)

PTS21-52035-08 (LED Kit, Blue)

Light Guide Kit Contents

(PTS21-52053)

Item #	Quantity Reqd.	Description
1	2	14" Light Guide
2	1	Hardware Bag

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	4	Plastic Mounts
2	4	#8-32 Screws
3	4	¼" Wire Ties
4	8	1/8" Wire Ties
5	4	U-Clips

LED Kit Contents (any color)

(PTS21-52035-XX, 2 kits required)

Item #	Quantity Reqd.	Description
1	2 per p/n	LED modules

Additional Items Required For Installation

Item #	Quantity Reqd.	Description

Conflicts

Note: None

Recommended Tools

Safety Tools	
Vehicle protection	
Safety glasses	
Special Tools	
Installation Tools	
Phillips screwdriver	#2 Phillips
Stubby screwdriver	#2 Phillips
10mm wrench	
Diagonal cutter	or wire tie tool
Nylon Remove Tool	
Special Chemicals	
Window cleaner	

Color Applicability/Trim Level

Accessory Color																			
Vehicle/Trim Color																			

General Applicability


Note: All models


Recommended Sequence of Application


Item #	Accessory	
1A	Interior Light Upgrade	
1C	Satellite Radio	
1D	Sub-Woofers	
1E	Radio	
1F	Security	


*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. These points will be audited on a completed vehicle installation

 **GENERAL PROCESS:** This highlights specific processes to ensure a quality installation. These points will be audited during the accessory installation

 **TOOLS & EQUIPMENT:** This calls out the specific tools and equipment required for this process

A. Check Kit Contents

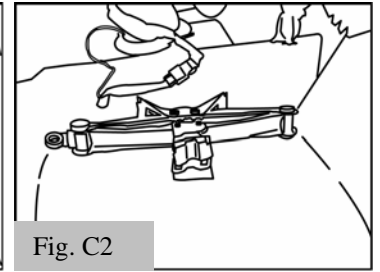
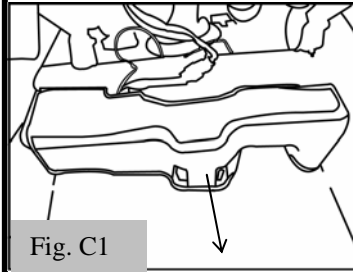
- ➔ 1. Check kit for content and damage.

B. Vehicle Preparation

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

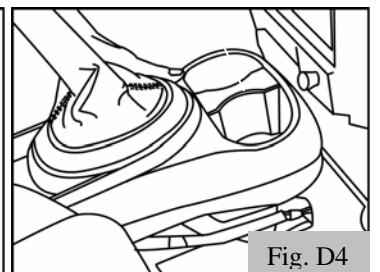
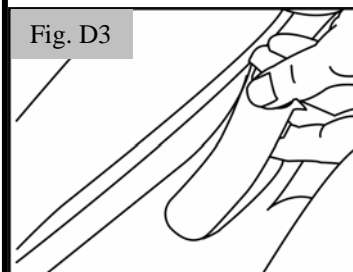
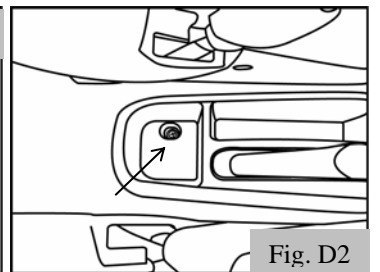
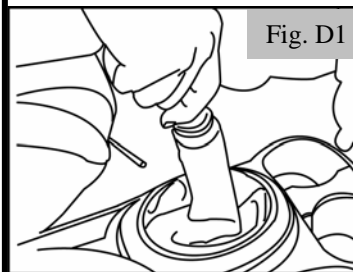
C. Remove Jack (xB only)

- 1. Remove jack cover and jack from under Drivers seat. Seat removed for clarity (Figs. C1 & C2)



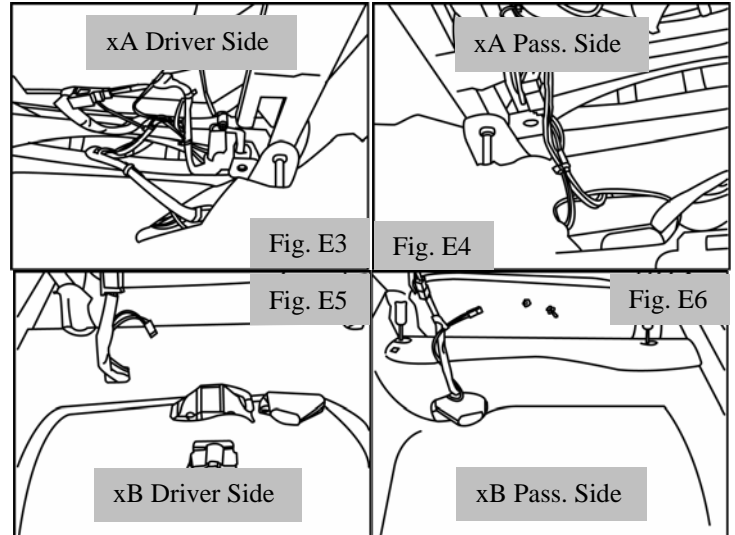
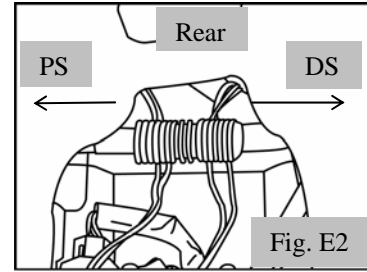
D. Remove Center Console

- 1. Remove the felt pad from the rear compartment.
- 2. For manual transmission vehicles, remove the shift knob. (Fig. D1)
- 3. Remove the 10mm bolt from inside the rear compartment. (Fig. D2)
- 4. Remove the hand brake slot cover by lifting the rear edge. (Fig. D3)
- 5. Lift up at the front of the console to release the (2) clips. (Fig. D4)
- 6. Remove the console.



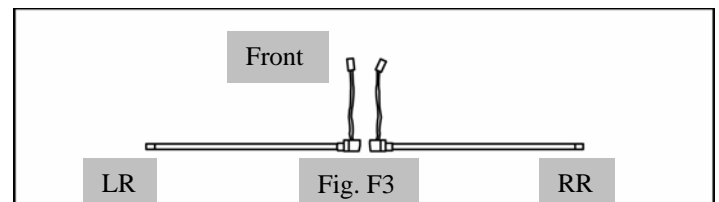
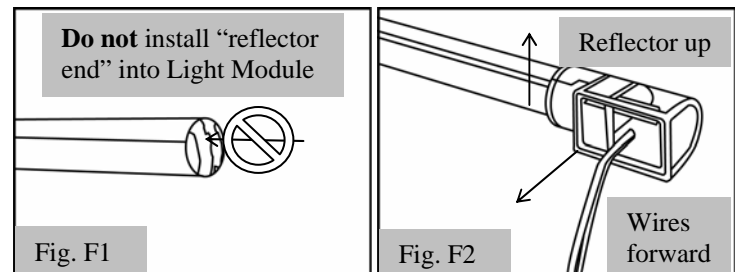
E. Rear LED Pigtail Routing

- ➡ 1. Cut the wire tie that secures the bundled rear wires (If previous install for front interior lamps).
- ➡ 2. Feed the LED pigtail wires under the factory wire bundle, (Fig. E2) following the routing of the seat sensor wires toward the side.
 - ➡ i. The longer of the two pigtails should be routed under the Driver Side (LH) seat.
- 3. Feed the pigtails through the cutouts in the carpet, under the carpet and back out through the cutouts in the carpet for the seat sensor wires and heater ducts under the seats. Seats removed for clarity only. (Figs. E3 – E6)



F. Install the LED Modules to the Light Guides

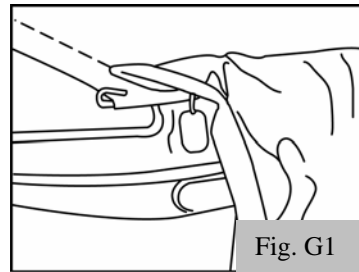
- 1. Push the LED Module (L/M) firmly onto the Light Guide (L/G).
 - ⚠ i. The L/M is installed on the “clear” end of the L/G. **Do not** install the “reflector end” of the L/G into the L/M. (Fig. F1)
 - ⚠ ii. The L/G should be oriented with the white “reflector” at the top with the wires of the L/M directed forward. (Fig. F2)
- 2. Assemble all (4) L/G assemblies.
 - ⚠ i. The L/M are oriented toward the center of the vehicle with the wires directed forward. (Fig. F3)



G. Install Light Guide Assembly, Rear

1. Install the U-clips

i. Locate the square punched holes in the seat cushion pan. The holes are located on the bottom rear of the seat cushion under the fabric flap. (Fig. G1)



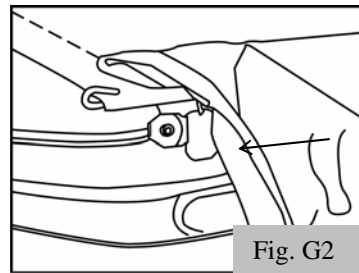
ii. Pull the fabric toward the center of the seat to expose the hole.



iii. Use caution. The seat cushion pan has sharp metal edges.



iv. Install the U-clip as shown. The clip should be installed away from the center of the seat. (Fig. G2)



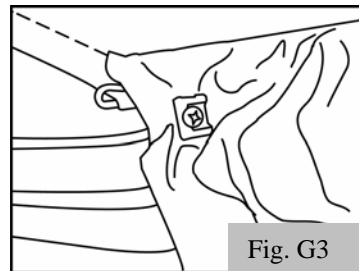
v. Pull the fabric back to cover the hole/U-clip.

2. Install the plastic mount.

i. Locate the previously installed U-clip through the seat fabric



ii. Install the plastic mount by driving the 8-32 screw through the seat fabric and into the U-clip. (Fig. G3)

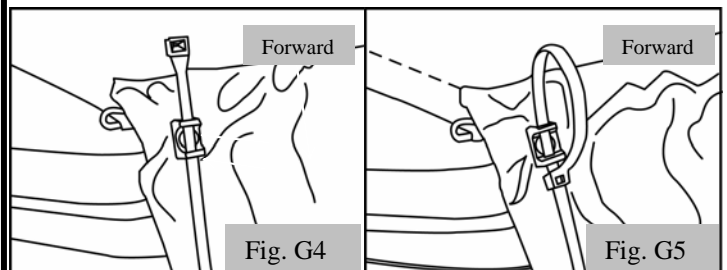


iii. Align the plastic mount as shown and tighten the screw. (Fig. G3)

3. Install the Light Guide to the plastic mounts using the 1/4" wire ties.



i. Feed the wire ties into the plastic mounts from rear to front, orienting the wire tie "head" towards the front of the vehicle. (Figs. G4 & G5)

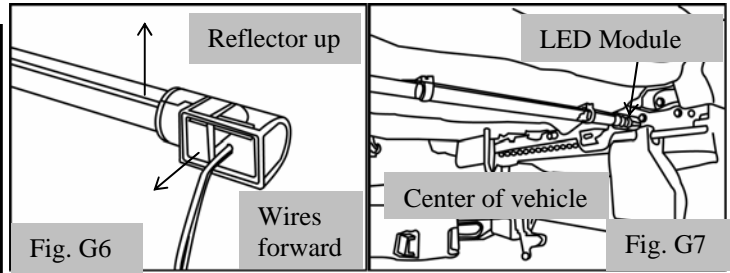


ii. Be sure the wire tie goes through both "loops" of the plastic mount. (Fig. G4)

iii. Do not fully tighten at this point.

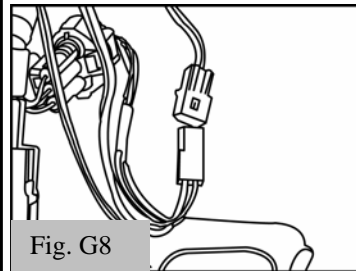


- iv. Insert the L/G assemblies into the mounts. The L/G assemblies should be oriented with the white “reflector” at the top, the L/M positioned toward the center of the vehicle with the wires forward. (Figs. G6 & G7)

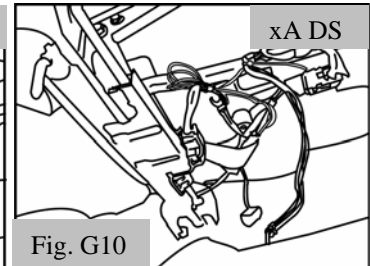
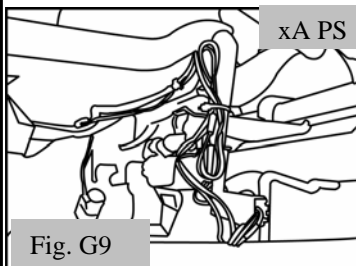


- v. Center the L/G assembly so it does not interfere with any under seat components when the seat is moved through its full travel.
- vi. Fully tighten the wire ties and cut off excess.
- vii. The L/G can still be re-oriented as desired.

- 4. Plug the L/M connector into the wire harness LED pigtail connector. (Fig. G8)

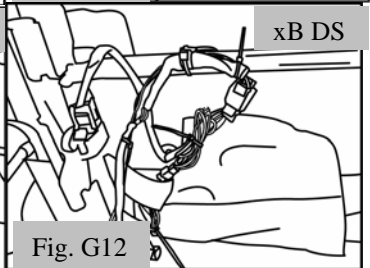
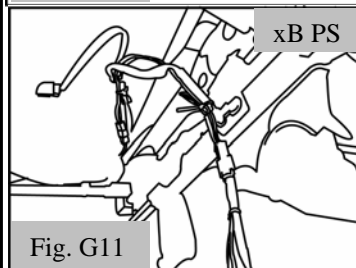


- 5. Bundle the excess LED pigtail wire and wire tie the LED harness to the seat sensor harness as shown. Seats lifted for clarity only. (Figs. G9-G12)



H. Post Installation

- 1. Reinstall the Interior
- 2. Re-attach battery negative terminal
- 3. Clean Light Guides using window cleaner and a non-scratch cloth.





Section III – Functional Verifications

Check: _____

- Operation of Light Guide assemblies

Single Unoperational Module

No Operational Modules

- Seat slide clearance.

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. (2Amp, located under center console)
- Blown cigarette lighter fuse (see vehicle owners manual for Amperage and location.)

- Interference between Light Guide and all under seat components.

Re-position Light Guides to clear all under seat components when seats are moved through their full travel.

- Make sure wire harness maintains full travel with seat. No tight wires.