




A. Check Kit Contents

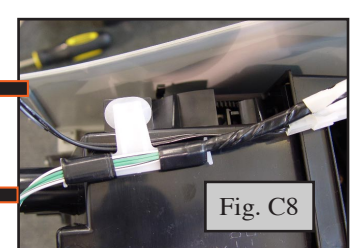
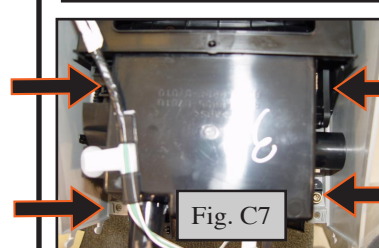
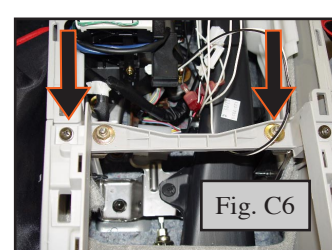
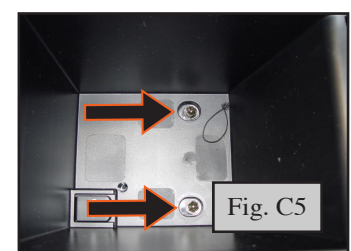
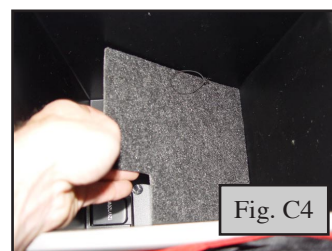
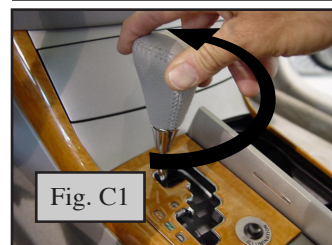
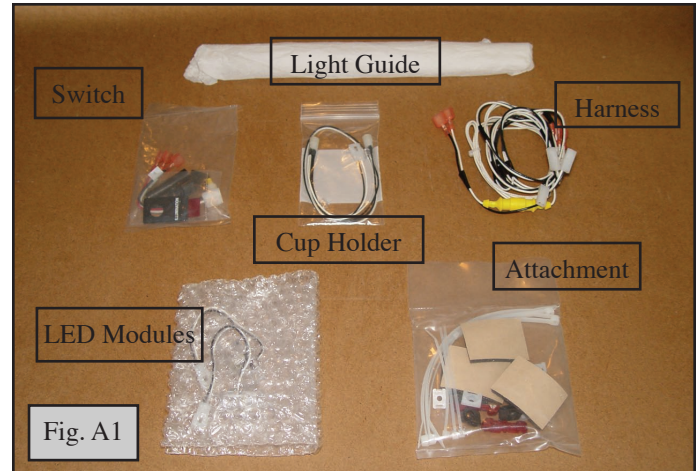
1. Check kit for content and damage. (Fig. A1)

B. Vehicle Preparation

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

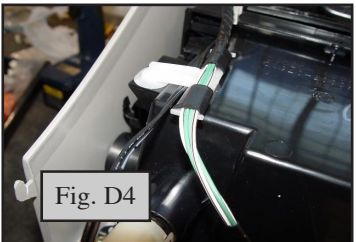
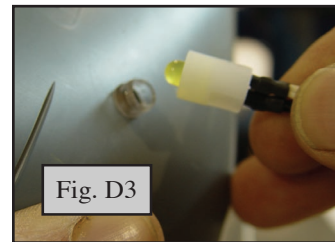
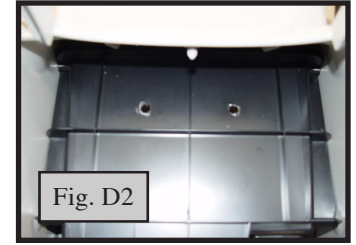
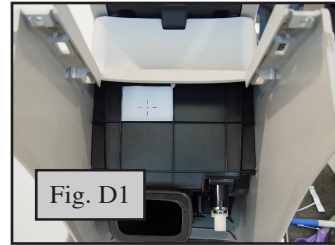
C. Remove center console

1. Remove shift knob. (Fig. C1)
 -  i. Set parking brake.
 - ii. Use panel safe tool.
 - iii. Remove cover. (Fig. C2)
 - iv. Depress interlock and place shifter in "D" position.
2. Remove center console bezel.
 - i. Use panel safe tool.
 - ii. Carefully pry around bezel and partially raise. (Fig. C3)
 - iii. Disconnect any cables.
 - iv. Remove from vehicle
3. Remove felt insert. (Fig. C4)
4. Remove (2) 12mm bolts. (Fig. C5)
5. Remove (2) screws. (Fig. C6)
6. Slide console towards rear while lifting rear, remove from vehicle.
7. Remove forward storage bin
 - i. Remove (4) philips screws. (Fig. C7)
 - ii. Disconnect auxiliary power lead. (Fig. C8)
 - ii. Lift storage box out of console.



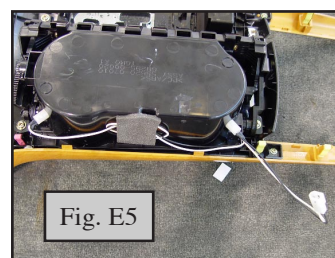
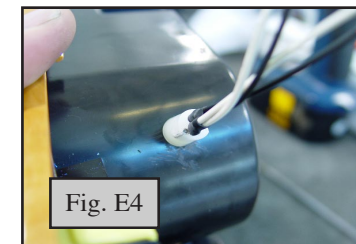
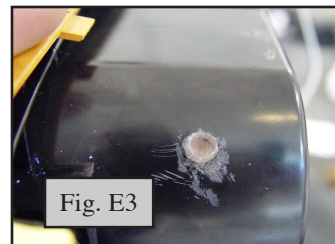
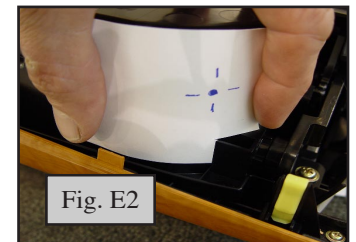
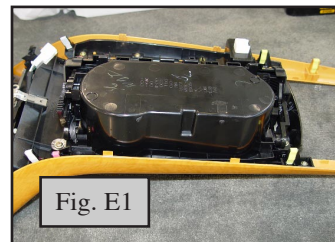
D. Install Storage box Lights

1. Cut out “Avalon storage box” template.
 - i. Align template as shown. (Fig. D1)
 - ii. Use a punch/scribe to mark the center of the hole to be drilled.
 - iii. Drill pilot holes with 1/8” drill bit.
 - iv. Drill the lamp hole with a 9/32” drill bit.
 - v. De-burr holes with de-burring tool. (Fig. D2)
2. Insert lens from inside storage box.
3. From outside of storage box, install the LED’s onto the lenses. Press firmly while holding the Lens from the inside. (Fig. D3)
4. Attach “Y” adapter and route wires forward tucking in alongside existing wires. (Fig. D4)
5. Secure excess with foam pad



E. Install cup holder lights.

1. Place center console as shown. (Fig. E1)
2. Cut out enclosed paper template “Avalon Cup Holder”.
 - i. Align template as shown. (Fig. E2)
 - ii. Use punch or scribe to mark where to drill.
 - iii. Drill pilot holes with 1/8” drill bit.
 - iv. Drill the lamp hole with a letter 9/32” drill bit.
 - v. De-burr holes with de-burring tool.
 - vi. Flip template over for second cup holder and repeat steps i-v.
3. Insert lens from inside of cup holder. (Fig. E3)
4. From outside of the cup holder, install the LEDs. Press firmly while holding the Lens from the inside. (Fig. E4)
5. Orient connector towards rear of vehicle. Secure excess wire with foam pad. (Fig. E5)



F. Install power Switch

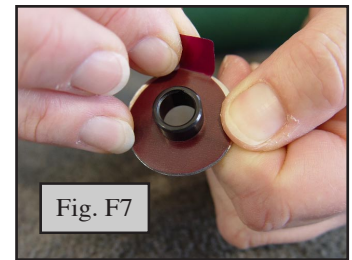
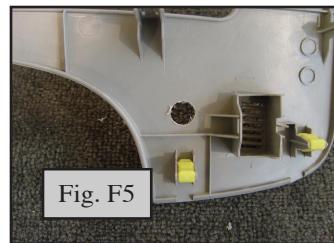
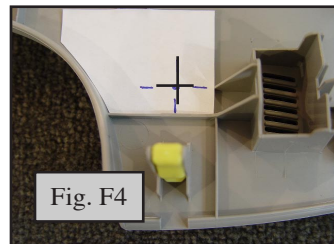
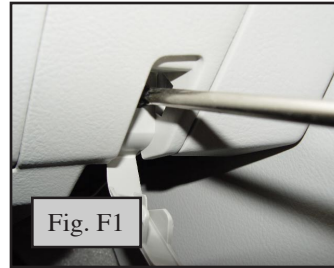
1. Remove knee bolster.
 - i. Remove (1) screw behind pull down cover on lower right side. (Fig. F1)
 - ii. Remove plastic nut on left hand side kick panel. (Fig. F2)
 - iii. Pull kick panel to side and remove (1) 10mm bolt. (Fig. F3)
 - iv. Grasp knee bolster firmly and pull from top.
 - v. Disconnect hood release cable and remove knee bolster from vehicle.

2. Drill hole for switch.
 - i. Cut out enclosed paper "Avalon Switch" template.
 - ii. Place template so hole drilled will be oriented as pictured. (Fig. F4)
 - iii. Place template in area indicated. Use a punch or scribe to mark center of the hole to be drilled.
 - iv. Using a 1/2" drill bit (Unibit or step drill is highly recommended), drill the switch hole. (Fig. F5)

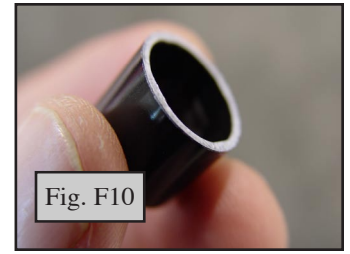
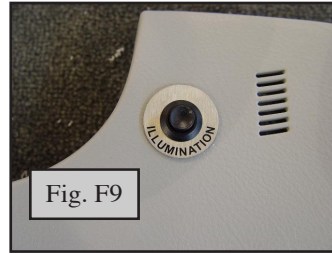
3. Clean console surface to remove grease and wax.
 - i. Wipe the application area clean with alcohol and a clean no-scratch cloth
 - ii. Dry the installation area using a clean, dry, lint free cloth.

4. Insert switch bezel into switch plate. (Fig. F6)

5. Using the pull-tab, remove the tape liner from the back of the switch plate. (Fig. F7)
 - i. Avoid finger contact with the adhesive surface.

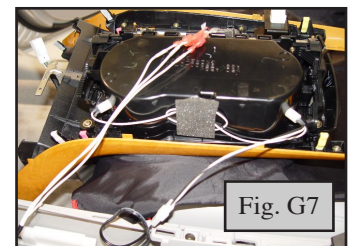
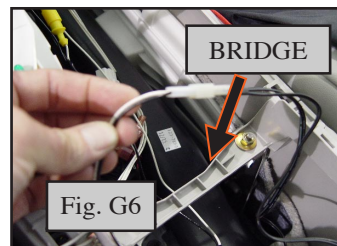
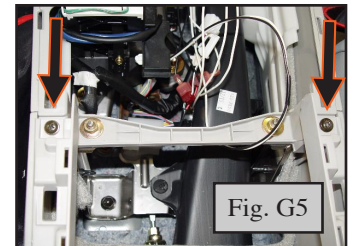
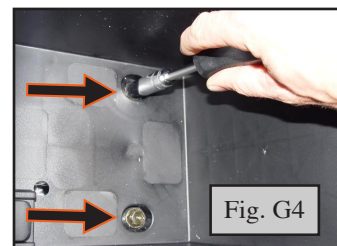
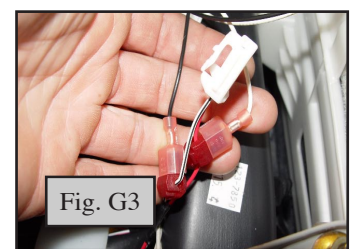
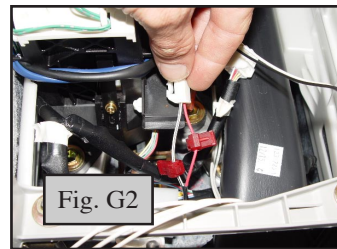
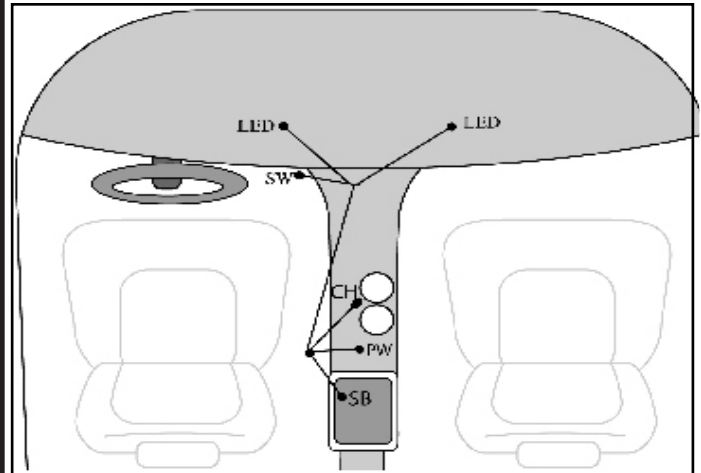


6. Using the knee bolster as a guide, install switch plate/bezel into the previously drilled 1/2" hole.
 - i. Align the printing "ILLUMINATION" square to the knee bolster. (Fig. F9)
 - ii. Once aligned, press down firmly to adhere tape.
7. Install Sleeve to bezel.
 - i. The "white" ink end of the sleeve must be installed against the console. (Fig. F10)
 - ii. Using switch tool turn switch bezel clockwise to tighten.
 - iii. 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.
 - iv. Push button into bezel pressing to engage.
8. Place aside until main harness is installed.



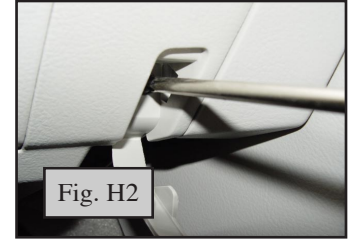
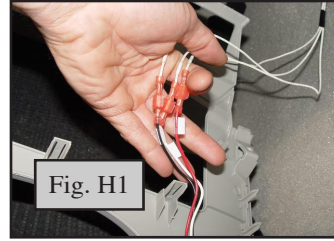
G. Install Harness

1. Lay out harness as shown and identify connectors. (Fig. G1)
2. Bulk of harness will reside under center console.
3. Locate power.
 - i. Locate auxiliary power connector in center of console.
 - ii. Install T-taps in staggered fashion. (Fig. G2)
4. Attach harness to power. (Fig. G3)
 - i. Black wire on harness to connector DM1 wt/blk pin1.
 - ii. White wire on harness to connector DM1 red pin 2
5. Reinstall rear half of center console making sure that the “Y” adapter leads are pointed forward.
 - i. Slide console forward.
 - ii. Secure (2) 12mm bolts. (Fig. G4)
 - iii. Secure (2) screws on either side. (Fig. G5)
6. Bring “Y” adapter lead forward and route under “bridge” in center console. (Fig. G6)
7. Attach “Y” adapter to main harness. (Fig. G6)
8. Reinstall center console insert
 - i. Attach cup holder lead (Fig. G7)
 - ii. Caution do not to allow rear LED lamp to bump tab when reinstalling cupholder assembly.
 - iii Gently press insert into place



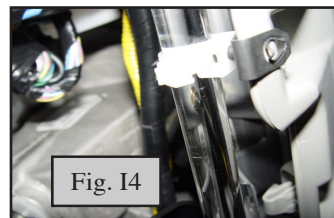
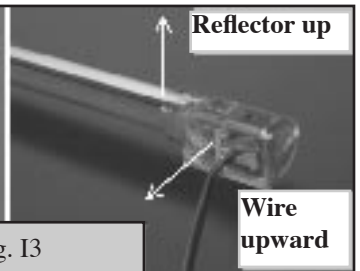
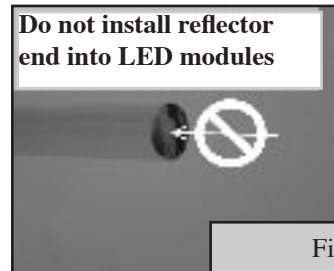
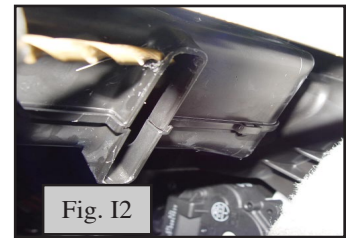
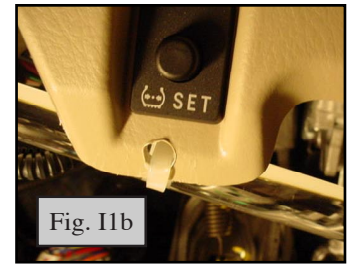
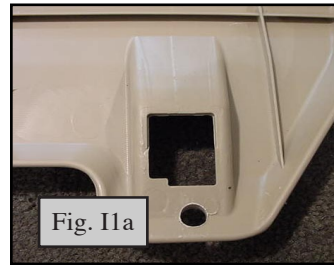
H. Reinstall Knee Bolster

1. Connect switch to main harness
 - i. Connect switch leads, make sure letters match respective connection. (Fig. H1)
2. Firmly press to edge of knee bolster in to clips.
3. Reinstall (1) screw. (Fig. H2)
4. Reinstall (1) 10mm bolt. (Fig. H3)
5. Reinstall (1) plastic nut. (Fig. H4)

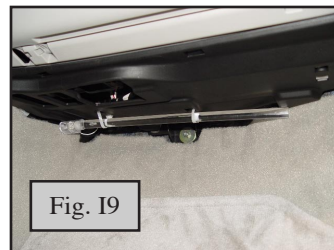
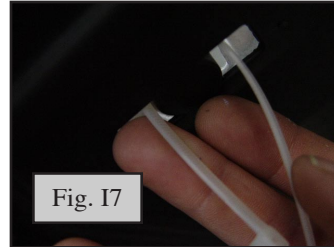
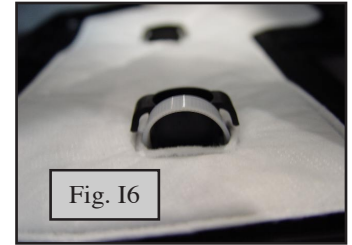
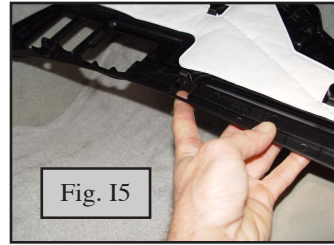


I. Install Light Guide

1. Install Drivers side plastic mount.
 - i. Drill a 9/32" hole in lower edge of knee bolster as shown. (Fig. I1)
 - ii. Drill 9/32" hole in duct as shown (Fig. I2)
2. Attach LED Module to Light Guide. (Fig. I3)
3. Install the light guide to drill holes using 1/4" wire ties.
 - i. Feed the wire ties into holes.
 - ii. Insert the light guide assemblies into the mounts. The light guide assemblies should be orientated with the white "reflector" at the top, the LED modules positioned toward the center of the vehicle. (Fig.I4)
 - iii. Fully tighten the wire ties and cut off excess.
 - iv. The light guide can be re-oriented as desired.



4. Install passenger cable ties.
 - i. Depress tabs on leading edge of shield and remove. (Fig. I5)
 - ii. From top of shield thread cable ties as shown. (Fig. I6)
 - iii. Excess cable will extend through shield as shown. (Fig.I7)
5. Install the light guide into the cable ties.
 - i. Insert the light guide assembly into the cable ties. The light guide assemblies should be orientated with the white “reflector” at the top, the LED modules positioned toward the center of the vehicle. (Fig. I8)
 - ii. Fully tighten the wire ties and cut off excess.
 - iii. Reinstall shield. (Fig. I9)



M. Post Installation

1. Reinstall interior.
2. Re-attach negative battery terminal, torque to 36 inch pounds.
3. Clean Light Guides with window cleaner and a non-scratch cloth.
- ▼ 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.

Section III Functional verification

Check:

Single Unoperational Module

No Operational Modules

Look for:

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

Light guide inserted incorrectly (wrong end)

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)

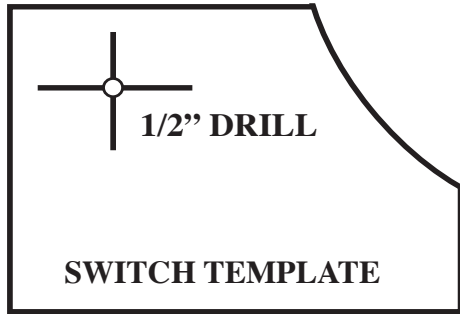
Blown shift console illumination fuse (see vehicle owners manual for amperage and location.)

VEHICLE FUNCTION CHECK

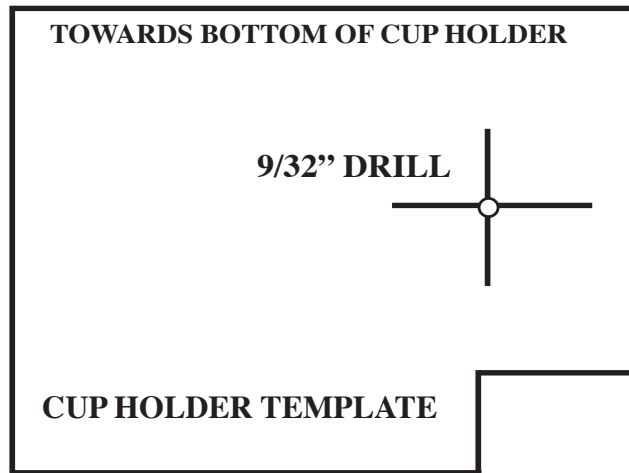
AFTER ALL PANELS, COVERS, AND COMPONENTS HAVE BEEN REINSTALLED, THAT WERE REMOVED, TEST THOROUGHLY, ALL MECHANICAL AND ELECTRICAL COMPONENTS DISCONNECTED AND OR REMOVED FROM THE VEHICLE DURING THE INSTALLATION OF THIS ACCESSORY.

AVALON TEMPLATES

SWITCH TEMPLATE



CUP HOLDER TEMPLATE



STORAGE BOX TEMPLATE

