

A. Check Kit Contents

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

B. Vehicle Preparation

⊘ 1. Disconnect battery negative terminal.

⊘ 2. Apply protective covering to vehicle.

C. Center console Removal

1. Remove kick panel on left and right side.

i. Release captive screws. (Fig. C1)

ii. Pull panel towards front of car.

2. Remove shift bezel.

➔ i. Use panel safe tool.

⊕ ii. Set parking brake.

iii. Remove shift lock cover if installed. (Fig. C2)

iv. Depress shift interlock.

v. Put shift in low.

vi. Pull shift bezel straight up. (Fig. C3)

vii. Disconnect leads from bezel.

3. Remove center console insert. (Fig. C4)

4. Remove power outlet panel. (Fig. C5)

➔ i. Use panel safe tool.

➔ ii. Pry carefully.

iii. Disconnect leads.

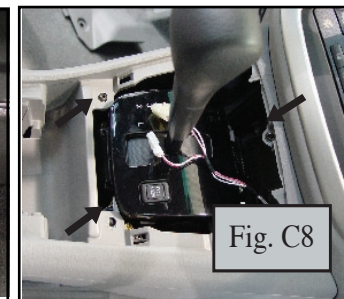
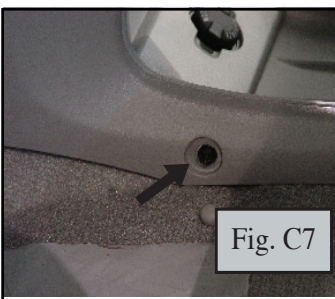
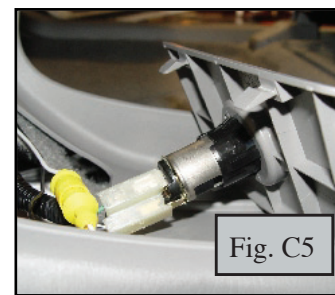
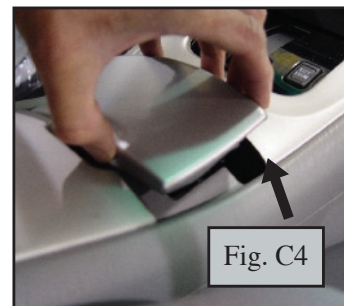
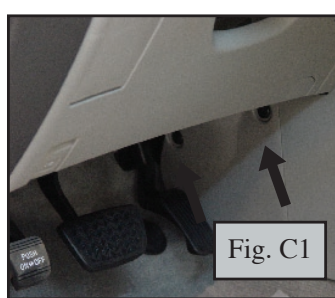
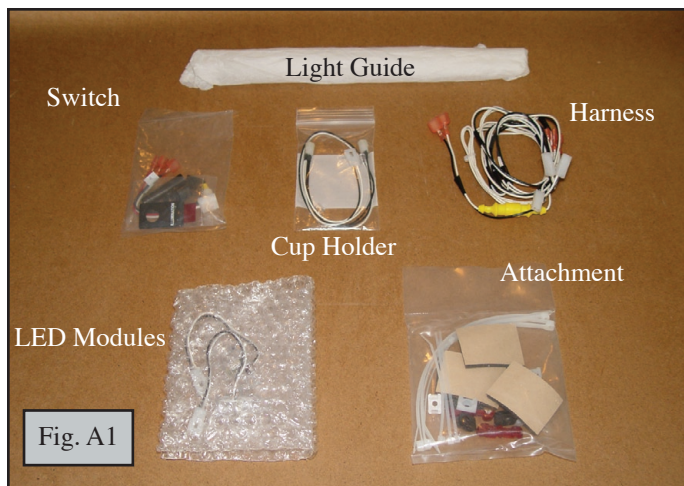
5. Remove center console front fasteners.

➔ i. Use panel safe tool.

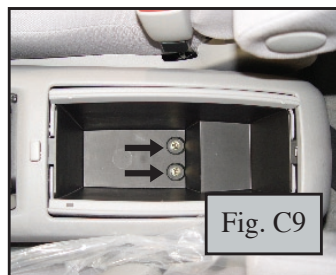
ii. Remove plastic caps (2) covering screw heads. (Fig. C6)

iii. Remove screws (2) on both sides. (Fig. C7)

iv. Remove screws (3) under bezel. (Fig. C8)

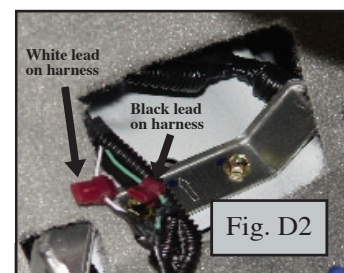
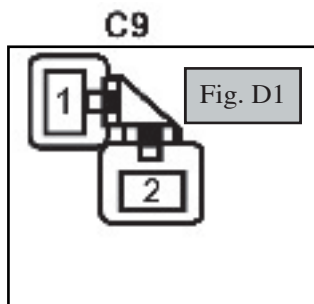


6. Remove rear storage bin bolts.
 - i. Remove pad at bottom of bin if installed.
 - ii. Remove (2) 10 mm bolts. (Fig. C9)
7. Remove rear console screws.
 - i. Bring front seats forward.
 - ii. Remove screws (2) on both sides. (Fig. C10)
8. Remove center console from car
 - i. Recline front seats.
 - ii. Slide console towards rear of vehicle.
 - iii. Lift from vehicle.



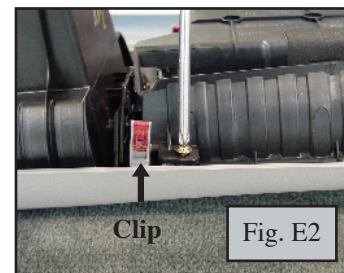
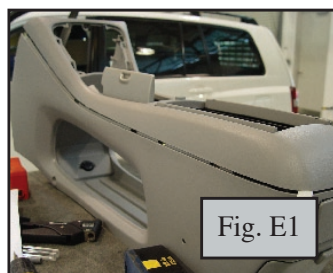
D. Power tap install

1. Locate leads going to center console power adapter C9 (Fig. D1)
2. Using scissors, slit the black plastic sleeve covering the auxiliary power harness.
- ➔ 3. Pull back the covering and apply the T-tap connectors in staggered fashion. (Fig. D2)
 - i. Pin #1 wt/blk wire ground (-).
 - ii. Pin #2 pink wire 12 volt (+).
4. Close the sleeve and tape it closed around the T-taps.



E. Center Console Light install

1. Place console upright on workbench.
2. Split center console.
 - ➔ i. Use panel safe tool.
 - ii. Carefully work around the perimeter of console. (Fig. E1)
 - iii. Lift upper half as you work your way around.
 - ➔ iv. Clips on tabs may fall off. (Fig. E2)



3. Remove cup holder assembly.

- ➔ i. Invert upper half of console.
- ii. Remove (4) screws securing cup holders. (Fig. E3)

4. Install cup holder lights.

- i. Cut out enclosed paper template “Highlander cup holder”.
- ii. Align template with lower left edge, template will just touch spring mount. (Fig. E4)
- iii. Use punch or scribe to mark where to drill.
- iv. Drill pilot holes with 1/8” drill bit.
- ➔ v. Drill the lamp hole with a letter 9/32” drill bit. (Fig. E5)

vi. De-burr holes with de-burring tool.

5. Insert lens from inside of cup holder.

6. From the back of the cup holder, install the LED closest to the connector onto the lens. Press firmly while holding the Lens from the inside (Fig. E6)

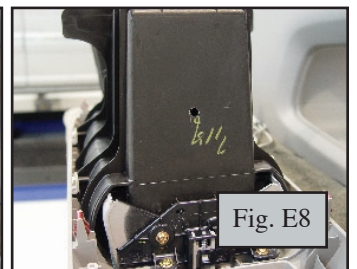
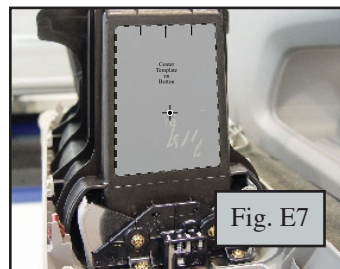
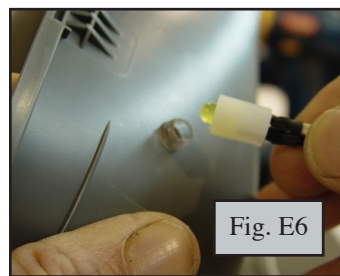
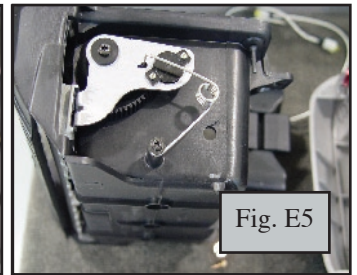
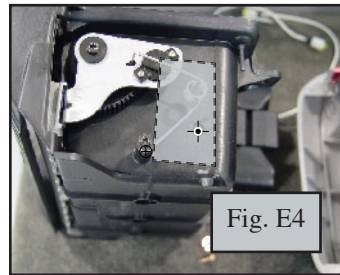
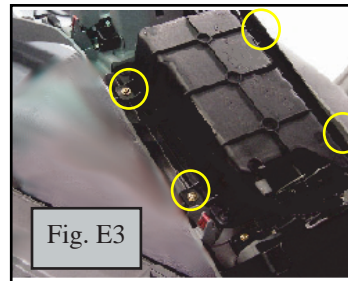
7. Install storage box lights.

- i. Cut out “Highlander storage box” template.
- ii. Align template with lower edge and center. (Fig. E7)
- iii. Use a punch/scribe to mark the center of the hole to be drilled.
- iv. Drill pilot holes with 1/8” drill bit.
- ➔ v. Drill the lamp hole with a letter 9/32” drill bit. (Fig. E8)

vi. De-burr holes with de-burring tool.

8. Insert lens from inside of storage box.

9. From outside of storage box install the LED farthest from the connector onto the lens. Press firmly while holding the Lens from the inside.



10. Secure wires with pads as shown. (Fig. E9)

11. Install “archway lights”

- i. Cut out “Highlander arch template”.
- ii. Place template as shown. (Fig. E10)
- iii. Use a punch/scribe to mark the center of the holes to be drilled.
- iv. Drill pilot holes with 1/8” drill bit.



- v. Drill the lamp holes with a letter 9/32 drill bit. (Fig. E11)
- vi. De-burr hole with de-burring tool.

12. Insert lenses from bottom of archway, press on LED firmly while holding the Lens from the bottom Orient connector towards front of vehicle. (Fig. E12)

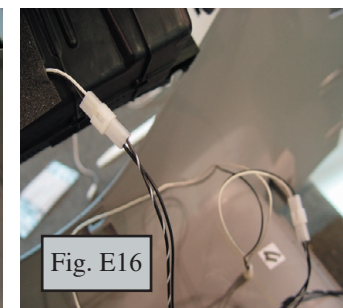
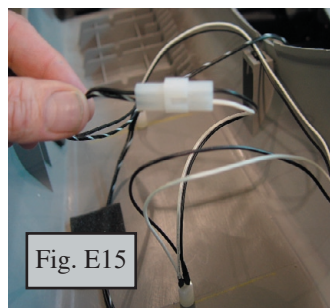
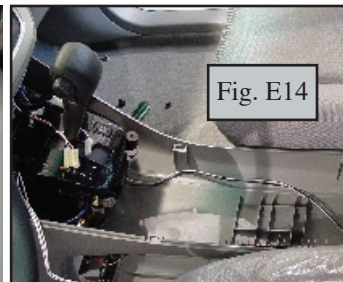
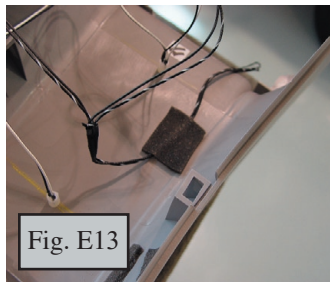
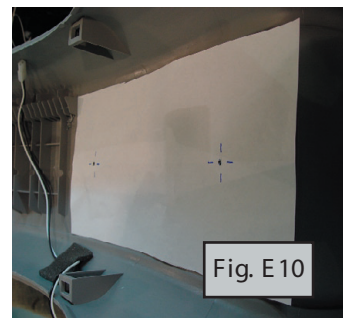
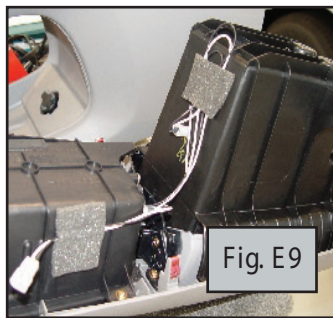
13. Secure wires with pads. (Fig. E13)

14. Place lower half of console in vehicle.

- i. Leave console slightly towards rear of vehicle. (Fig. E14)
- ii. Do not fasten.

15. Connect archway LEDs to “Y” adapter. (Fig. E15)

16. Connect storage box to “Y” adapter. (Fig. E16)



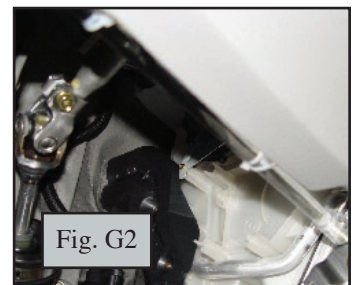
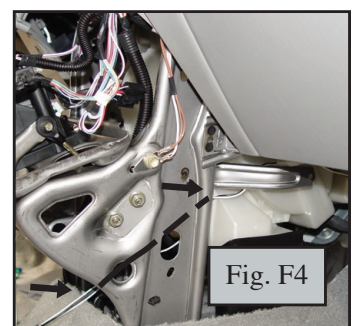
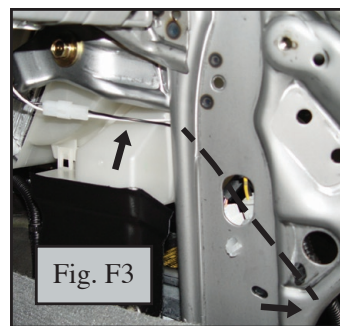
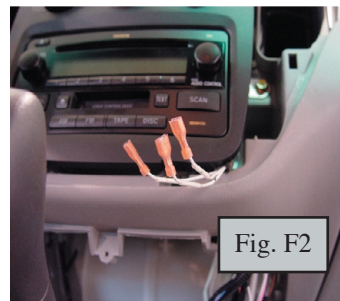
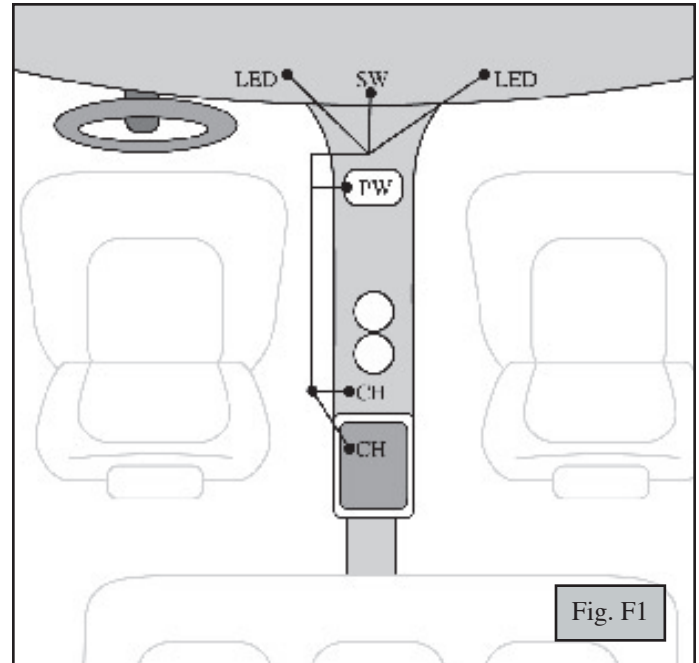
F. Install Main Harness

1. Distribute harness as shown. (Fig. F1)
 - i. PW-Power, two male spade connectors.
 - ii. SW-Switch, Three female spade connectors.
 - iii. CH-Cup Holder, female modular connector.
 - iv. LED-LED Module, (2) female modular connectors.
2. Remove bezel in center of dash.
 - i. Grasp firmly and pull towards back of vehicle.
 - ii. Route switch lead so it will be accessible through center dash bezel, bezel removed in picture. (Fig. F2)
3. Route leads.
 - i. Lay harness in lower half of center console
 - ii. Route power leads to the auxiliary power outlet tapped earlier.
 - iii. Route LED module leads forward to left side of center. (Fig. F3)
 - iv. Route LED module leads forward to right side of center. (Fig. F4)
4. Connect power leads near shift.

- ➔ i. Attach black lead on harness to wt/blk wire (-) on vehicle.
- ➔ ii. Attach white lead on harness to pink wire (+) on vehicle.

G. Install light guide

1. Install drivers side plastic mounts
 - i. Attach catamount to “U” nut using screws.
 - ii. Attach “U” nut to metal plate behind plastic knee bolster. Slide firmly upward. (Fig. G1)
 - iii. Space clips carefully. (Fig. G2)



iv. Tighten screw to secure.

2. Install right side plastic mounts.

i. Attach catamount to “U” nut using screws.

ii. Attach “U” nut and catamount to metal lip.

iii. Attach left side nut as shown in photo. (Fig. G3)

iv. Attach right side nut as shown in photo. (Fig. G4)

v. Tighten screw to secure.

3. Attach LED module to light guide. (Fig. G5)

4. Install the light guide in the catamounts using 1/4” wire ties.

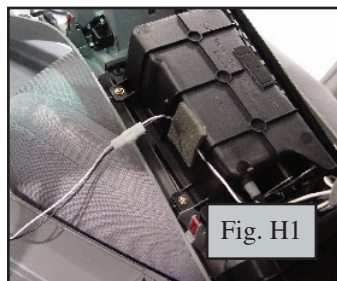
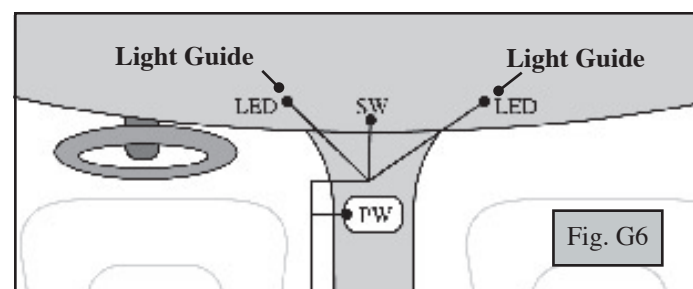
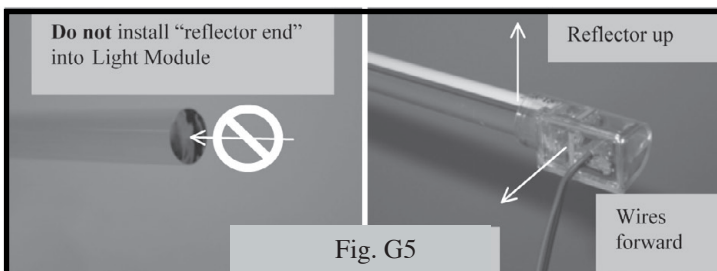
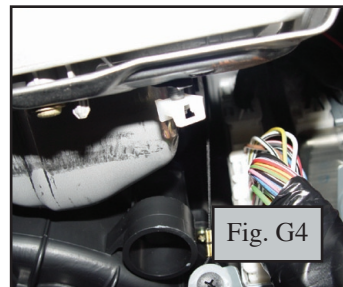
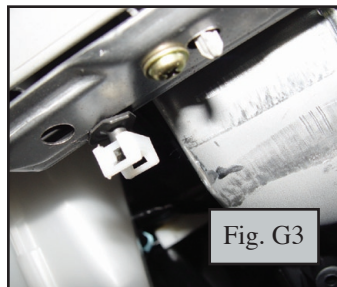
i. Feed the wire ties into the plastic mounts.

➔ ii. Insert the light guide assemblies into the mounts. The light guide assemblies should be orientated with the white “reflector” at the top, with the LED module positioned toward the center of the vehicle.

iii. Fully tighten the wire ties and cut off excess.

iv. The light guide can be re-oriented as desired.

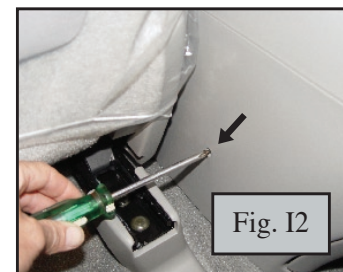
5. Plug the LED module connector into the wire harness LED pigtail connector. (Fig. G6)



H. Replace shift console upper half

1. Attach center console lighting “Y” harness to main harness. (Fig. H1)

2. Carefully snap upper half of console to lower half.



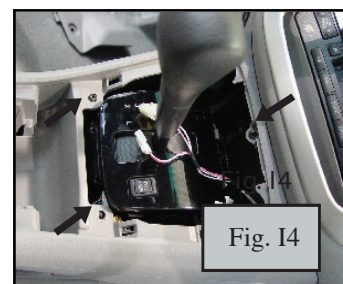
I. Re-attach Center Console

1. Slide console forward

2. Reinstall (2) 10mm Storage box bolts. (Fig. I1)

3. Reinstall (2) rear screws. (Fig I2)

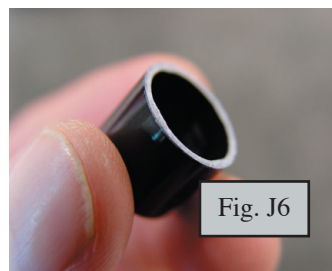
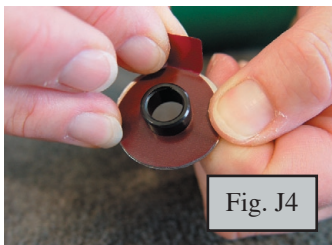
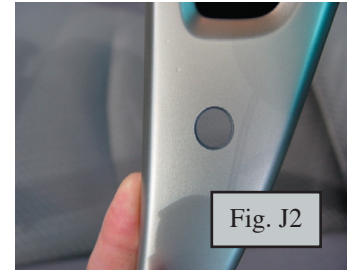
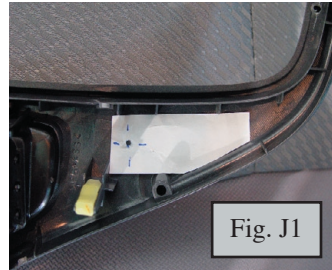
4. Reinstall (2) front screws. (Fig I3)



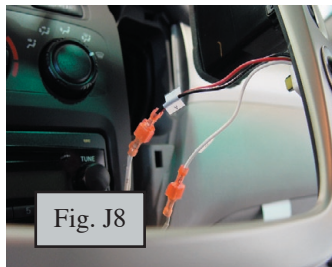
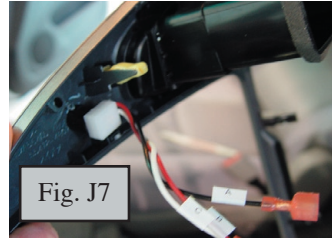
5. Reinstall (3) screws around center console.(Fig.I4)

J. Install Switch



1. Drill hole for switch.
 - i. Cut out enclosed “Highlander switch” template.
 - ii. Place template so hole drilled will be oriented as pictured.
 - iii. Place template in area indicated. Use a punch or scribe to mark center of the hole to be drilled. (Fig. J1)
 - iv. Using a 1/2” drill bit (Unibit or step drill is highly recommended), drill the switch hole. (Fig. J2)
2. Clean console surface to remove grease and wax.
 - i. Wipe the application area clean with alcohol and a clean no-scratch cloth.
 - ii. Rinse the application area clean with distilled water and a clean no-scratch cloth.
 - iii. Dry the installation area using a clean, dry, lint free cloth.
3. Insert switch bezel into switch plate. (Fig. J3)
4. Using the pull-tab, remove the tape liner from the back of the switch plate.(Fig. J4)
 - i. Avoid finger contact with the adhesive surface.
5. Using the bezel a guide, install switch plate/bezel into the previously drilled 1/2” hole.
 - i. Align the printing “ILLUMINATION” square to the console. (Fig. J5)
 - ii. Once aligned, press down firmly to adhere tape.
6. Install Sleeve to bezel.
 - i. The “white” ink end of the sleeve must be installed against the bezel. (Fig. J6)
 - ii. If overlay applied remove 1/8” of black sleeve with sandpaper.



7. Install switch to bezel as shown. (Fig. J7)
 - i. Turn switch 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. Install button onto switch by inserting button into bezel and pressing to engage.
8. Attach power leads, observing labels, and firmly push bezel into place. (Fig. J8)



K. Post Installation

1. Reinstall the interior.
-  2. Re-attach battery negative terminal, torque to 36 inch pounds.
3. Clean light guides using window cleaner and a non-scratch cloth.
-  4. Cycle test all 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.

Check:

Single inoperable 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.

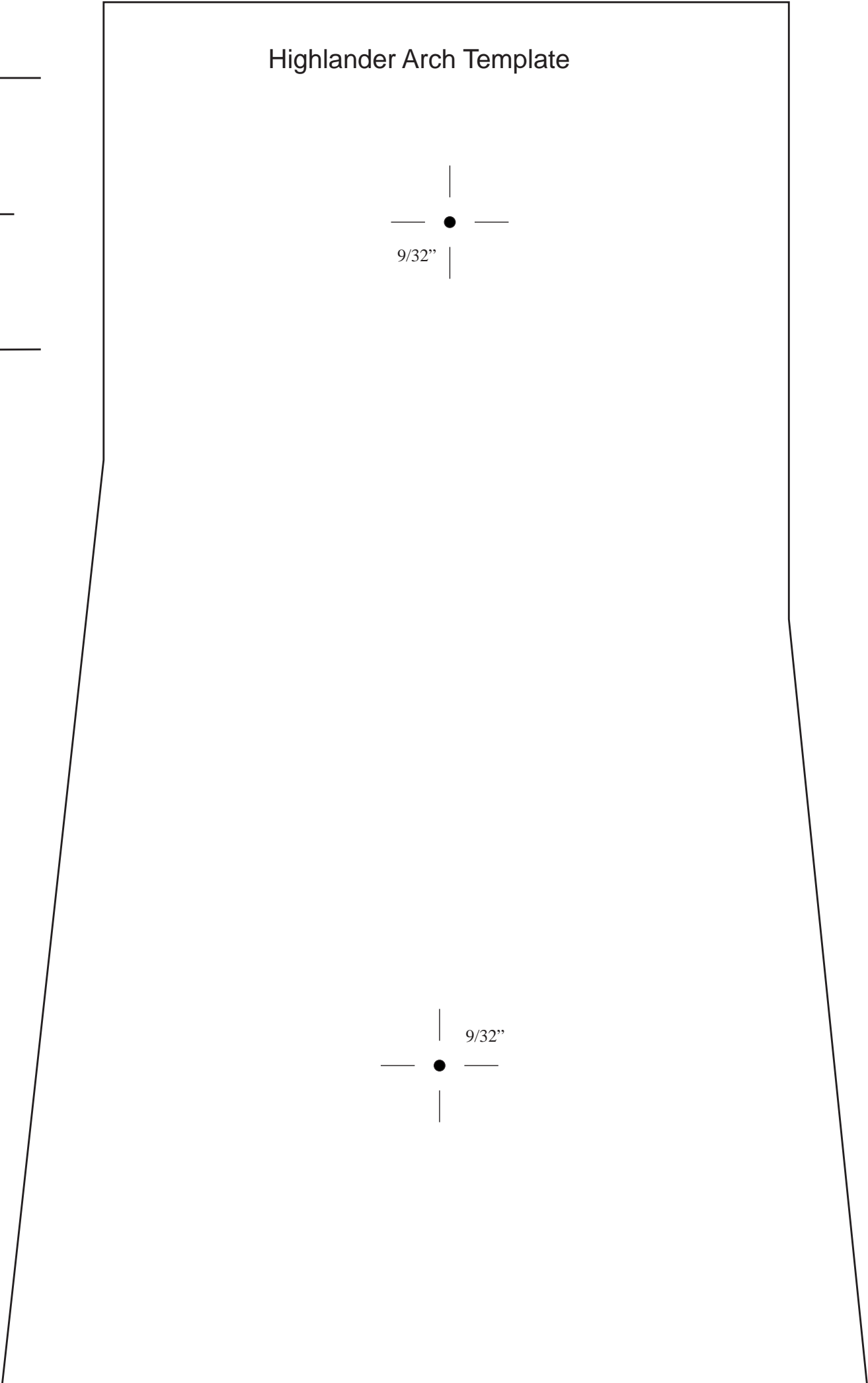
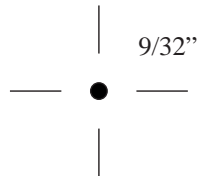
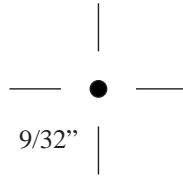
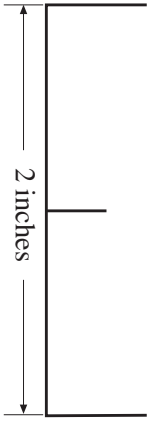
Ground connection

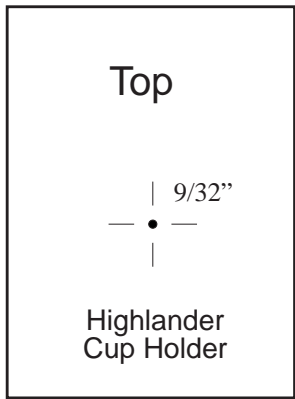
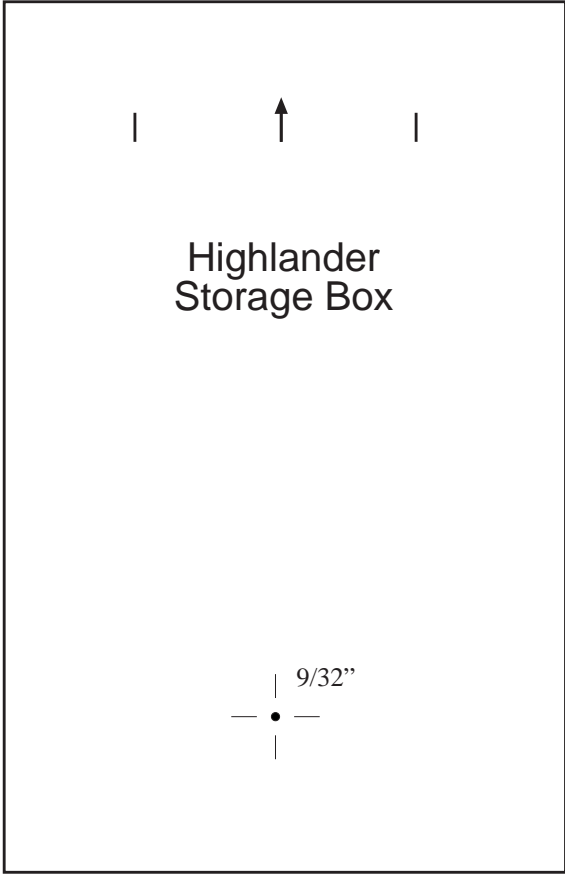
Switch connections

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

Blown cig. lighter fuse.
(see vehicle owners manual for amperage and location.).

Highlander Arch Template





Highlander
Cup Holder

