





**A. Check Kit Contents**

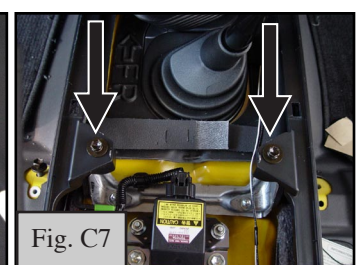
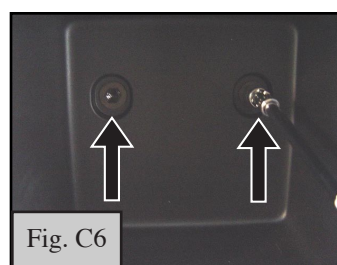
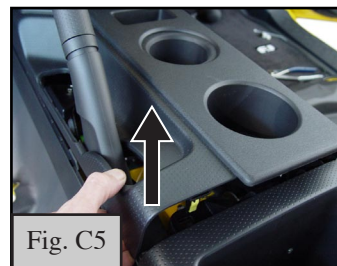
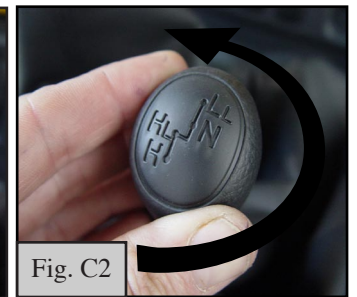
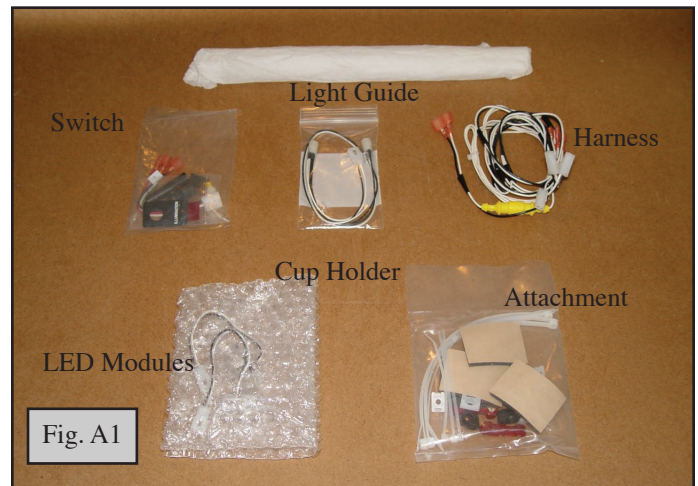
- ➔ 1. Check kit for content and damage. (Fig. A1)

**B. Vehicle Preparation**

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

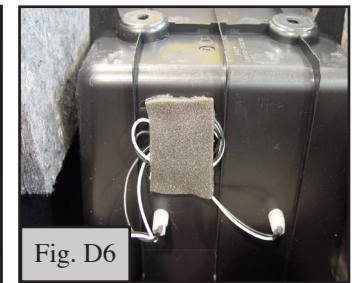
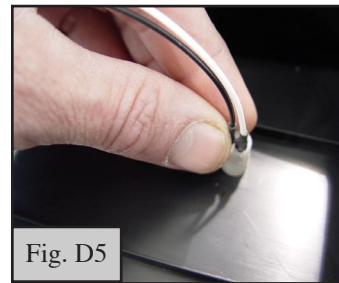
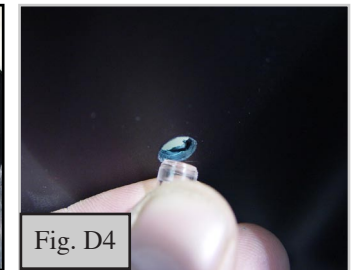
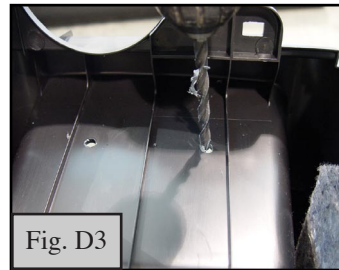
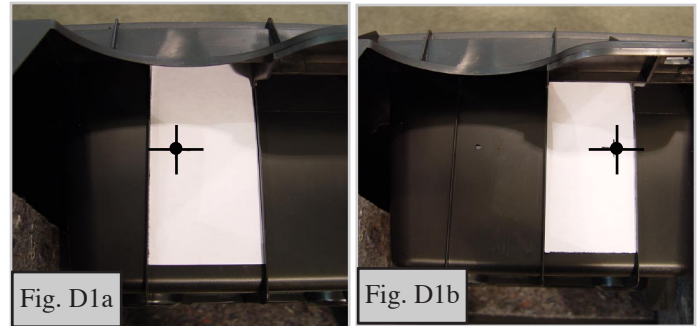
**C. Remove center console**

- 1. Remove shift knobs (standard transmission only)
  - i. Set parking brake.
  - ii. Turn shift knob counter clockwise and remove. (Fig. C1)
  - iii. If equipped, turn drive selector counter clockwise and remove. (Fig. C2)
- 2. Remove center console bezel.
  - i. Use panel safe tool.
  - ii. Remove parking brake insert. (Fig. C3).
  - iii. Pry up rear edge of center console bezel. (Fig. C4)
  - iv. Lift partially, slide slightly towards rear and remove from vehicle. (Fig. C5)
- 3. Remove center console lower portion
  - i. Remove rubber insert in storage box
  - ii. Remove (2) 10mm bolts. (Fig. C6)
  - iii. Remove (2) 10mm bolts. (Fig. C7)
- 4. Lift rear edge of console lift and remove



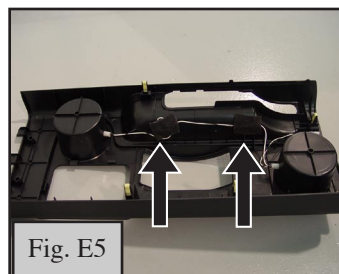
**D. Install Storage Box Lights**

1. Orient center console assembly as shown. (Fig. D1)
2. Drill holes for storage box lights.
  - i. Cut out enclosed paper template labeled “FJ storage box ”.
  - ii. Align template as shown use a punch/scribe to mark the center of the hole to be drilled. (Fig. D1a,b)
  - iii. Drill pilot holes with 1/8” drill bit.
  - iv. Finally drill hole with a 9/32” drill bit. (Fig. D3)
  - v. De-burr holes with de-burring tool.
3. Insert Lens from inside of storage box (Fig. D4)
4. Firmly press LED assembly into lens. (Fig. D5)
5. Use adhesive pad to secure wires. (Fig. D6)



**E. Install Cup Holder Lights.**

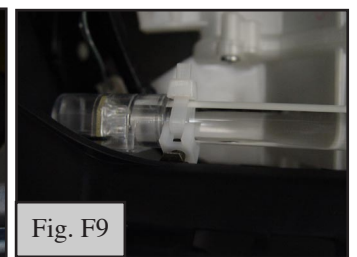
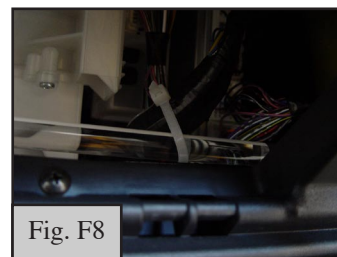
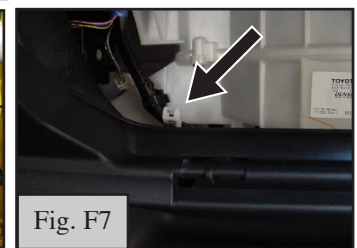
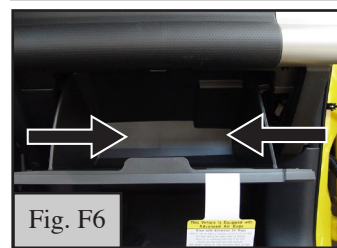
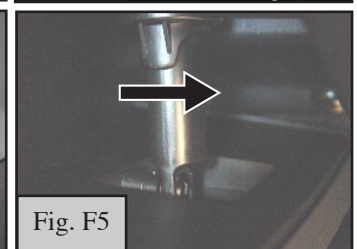
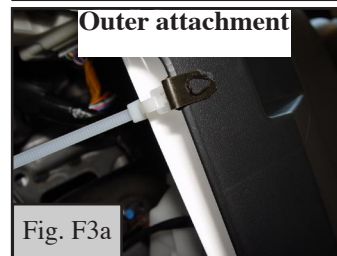
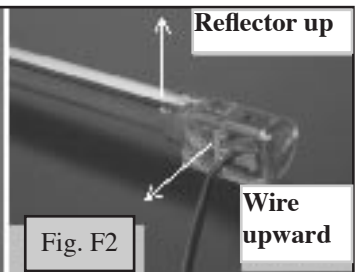
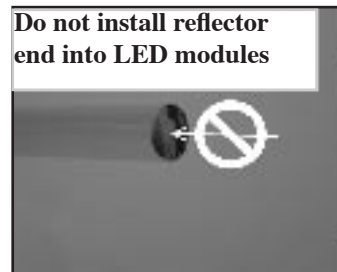
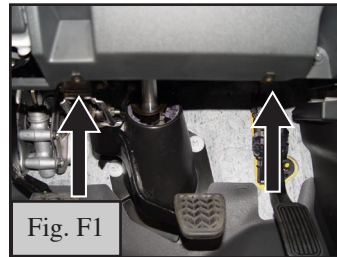
1. Drill holes for cup holder lights
  - i. Cut out “FJ cup holder template” template.
  - ii. Align template as shown using ribs in casting for alignment. (Fig. E1 E3)
  - iii. Use a punch/scribe to mark the center of the hole to be drilled.
  - iv. Drill pilot holes with 1/8” drill bit.
  - v. Drill the lamp hole with a 9/32” drill bit.
  - vi. De-burr holes with de-burring tool.
2. Insert lens from inside of cup holder.
3. From the outside of the cup holder, install the LED’s onto the lenses. Press firmly while holding the Lens from the inside. (Fig. E2 E4)
4. Use adhesive pad to secure wires. (Fig. E5)
5. Connect lead from center console assembly to harness. (Fig. E6)







6. Reinstall center console.
7. Reinstall storage box.
8. Using cup holder template as a guide, Punch a 1/2" hole in rubber insert to allow light to illuminate cup holder

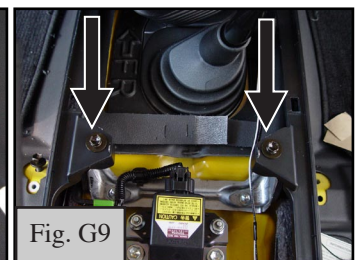
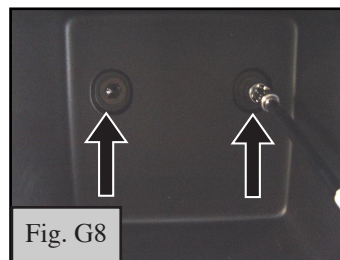
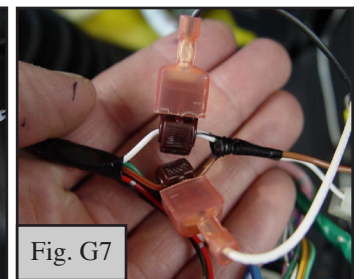
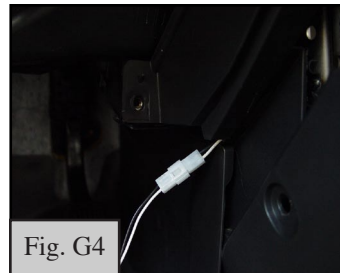
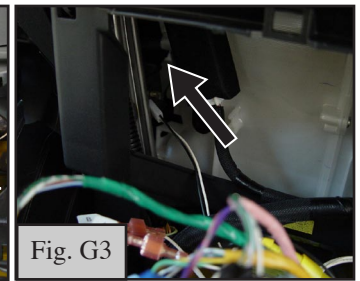
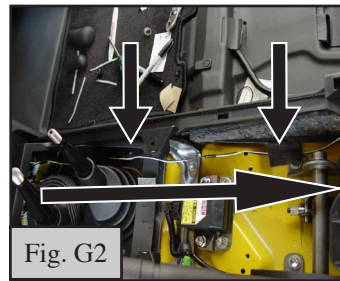
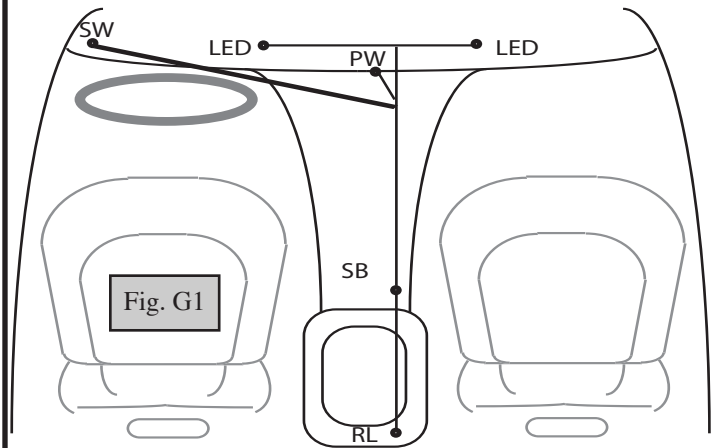
**F. Install Light Guide**

1. Install Drivers side plastic mounts.
  - i. Attach "U" nut and catamount to "lip" as shown. (Fig. F1)
  - ii. Make sure catamounts is open towards front of vehicle, tighten firmly.
  - iii. Install light guide so that it will travel on top of catamounts. The light guide assembly should be orientated with the white "reflector" at the top. (Fig. F2)
  - iv. Feed the wire ties into the plastic mount, fully tighten the wire ties and cut off excess. (Fig. F3a,b))
  - v. Final assembly should appear as shown. (Fig. F4)
2. Install passenger side light guide.
3. Remove glove box.
  - i. Disconnect damper piston from glove box. (Fig. F5)
  - ii. Depress sides of glove box and pull towards interior of car and put aside. (Fig. F6)
  - iii. 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.F2)
4. Attach "U" nut and catamount "lip" as shown. (Fig. F7)
  - i. Make sure catamount is open towards front of vehicle, tighten firmly.
5. Attach non LED end of light guide to wire harness using 7" wire tie. (Fig. F8)
6. Attach LED end of light guide to catamount using 7" wire tie. (Fig. F9)



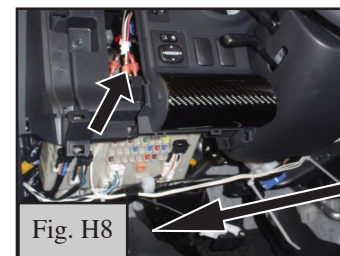
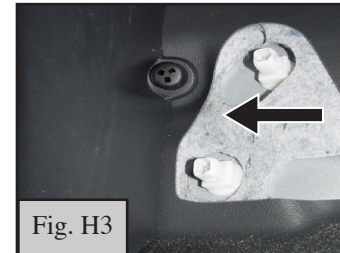
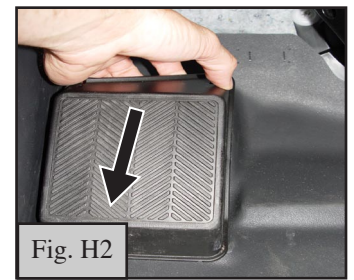
**G. Install Harness**

1. Lay out harness as shown and identify connectors. (Fig. G1)
2. Bulk of harness will reside under forward portion on center console ahead of shifters.
3. Route storage box connector to the rear of the center console (Fig. G2)
  - i. Secure with foam pads
4. Route LED connector to driver side of center console as shown. (Fig. G3)
  - i. Connect to LED module. (Fig. G4)
5. Route LED connector to passenger side of vehicle (Fig. G5)
  - i. Connect to LED module. (Fig. G6)
6. Locate power.
  -  i. Locate Power outlet socket E25 that was disconnected earlier to remove center console insert.
  -  ii. Install T-taps in staggered fashion. (Fig. G7)
7. Attach harness to power. (Fig. G7)
  -  i. Black wire on harness to white black wire on power outlet socket (pin 1)
  -  ii. White wire on harness to brown red wire on power outlet socket (pin 2)
8. Install upper half of center console
  - i. Reinstall (2) 10mm bolts in storage box. (Fig. G8)
  - ii. Reinstall (2) 10mm bolts in center of lower half of center console. (Fig. G9)
9. Connect rear storage box to harness. (Fig. G10)



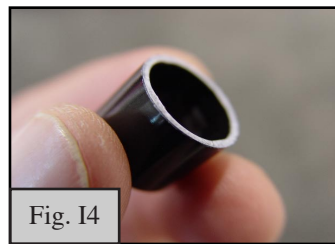
**H. Route Switch Lead**

1. Remove rocker panel cover
  - i. Grasp firmly and pull up (Fig. H1)
2. Remove foot rest
  - i. Pull firmly towards rear of vehicle, (Fig. H2)
3. Unscrew plastic bolt securing forward shield. (Fig. H3)
4. Grasp shield firmly pull towards rear of vehicle and remove. (Fig. H4)
5. Grasp lower portion of air vent and pull back to remove. (Fig. H5)
6. Using 10mm socket remove bolts securing knee bolster. (Fig. H6)
7. Pull knee bolster towards rear of vehicle and remove. (Fig. H7)
- ➔ 8. Using wire ties secure switch lead as shown. (Fig. H8)
9. Reverse order to reinstall removed parts except air vent..



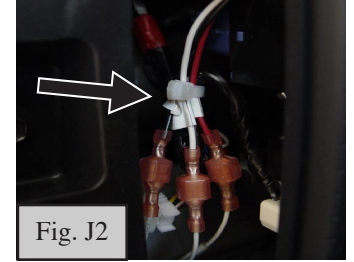
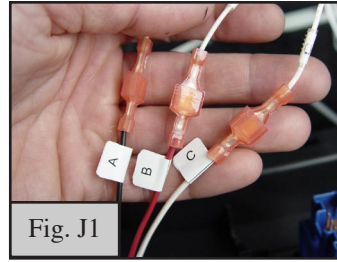
### I. Install power Switch

1. Drill hole for switch.
  - i. Visually center switch using dimples embossed in plastic. (Fig. I1)
  - ii. Use a punch or scribe to mark center of the hole to be drilled.
  - iii. Using a 1/2" drill bit (Unibit or step drill is highly recommended), drill the switch hole.
2. Clean bezel 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. I2)
4. Using the pull-tab, remove the tape liner from the back of the switch plate. (Fig. I3)
  - i. Avoid finger contact with the adhesive surface.
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. I4)
7. 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. (Fig. I5)



**J, Connect Switch to Harness**

- ➔ 1. Connect switch leads to harness. (Fig. J1)
- 2. Secure harness as shown using cable ties. (Fig. J2)
- 3. Reinstall air vent. (Fig. J3)





**K. Reinstall Center Console cover**

- 1. Reinstall center cover, press firmly around edges to seat. (Fig. K1)
- 2. Reinstall parking brake cover. (Fig. K2)
- 3. Turn shift knob clockwise to tighten. (Fig. K3)
- 4. Turn drive selector clockwise to tighten. (Fig. K4)




L. 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.

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.

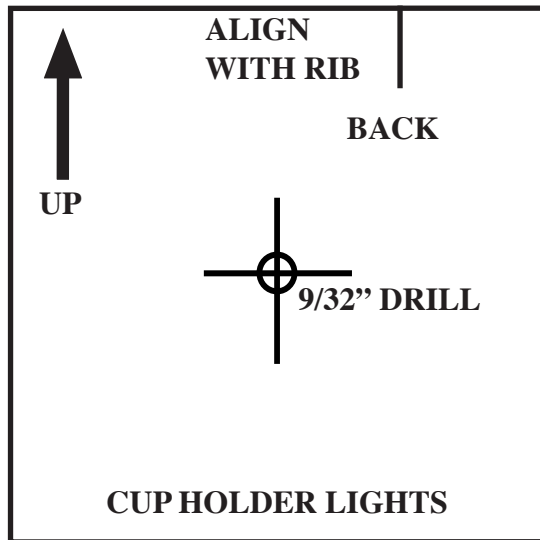
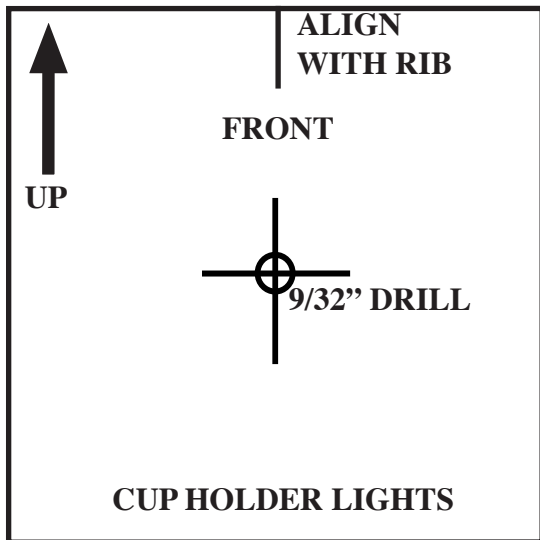
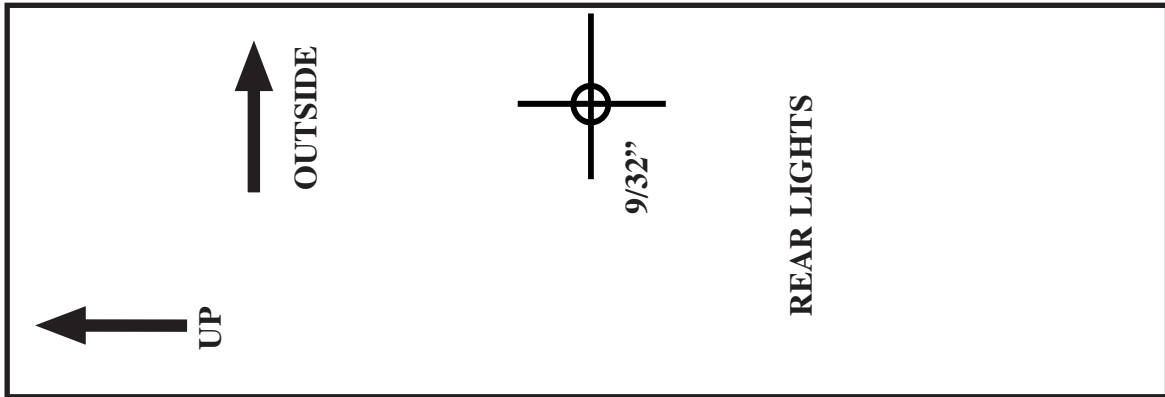
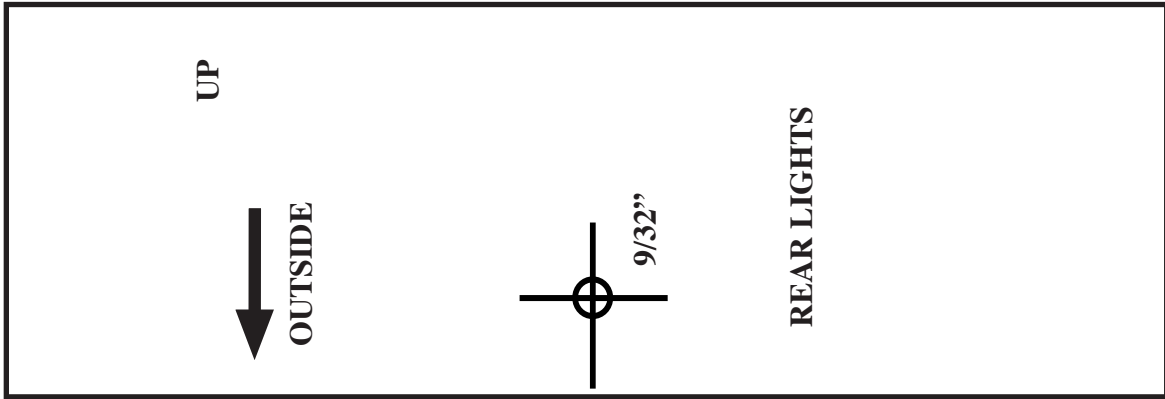
Ground connection

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.).

**FJ Cruiser**



CUP HOLDER LIGHTS

CUP HOLDER LIGHTS