



## Engine Compartment Lighting KIT (E.C.L.) 2008 -2014 Toyota FJ Cruiser



Thank you for purchasing the Engine Compartment Lighting Kit from yodaTEQ designs for your FJ Cruiser. All attempts have been made to supply your E.C.L. and related parts in perfect condition with complete installation hardware. However should you have any problems with the condition of the parts or find any parts missing, please do not hesitate to contact us at **714-510-0770** or **sales@yodaTEQ.com**. Your yodaTEQ Off-Road parts are guaranteed free of defect in material and workmanship for a period of one year from date of purchase. Should you experience any problems, please contact us directly to resolve any issues. We have attempted to provide complete installation instructions provided below. However from time to time changes might be made to parts and associated hardware and you might notice small inconsistencies with the instructions. Please notify us of such occurrences so we can correct them.

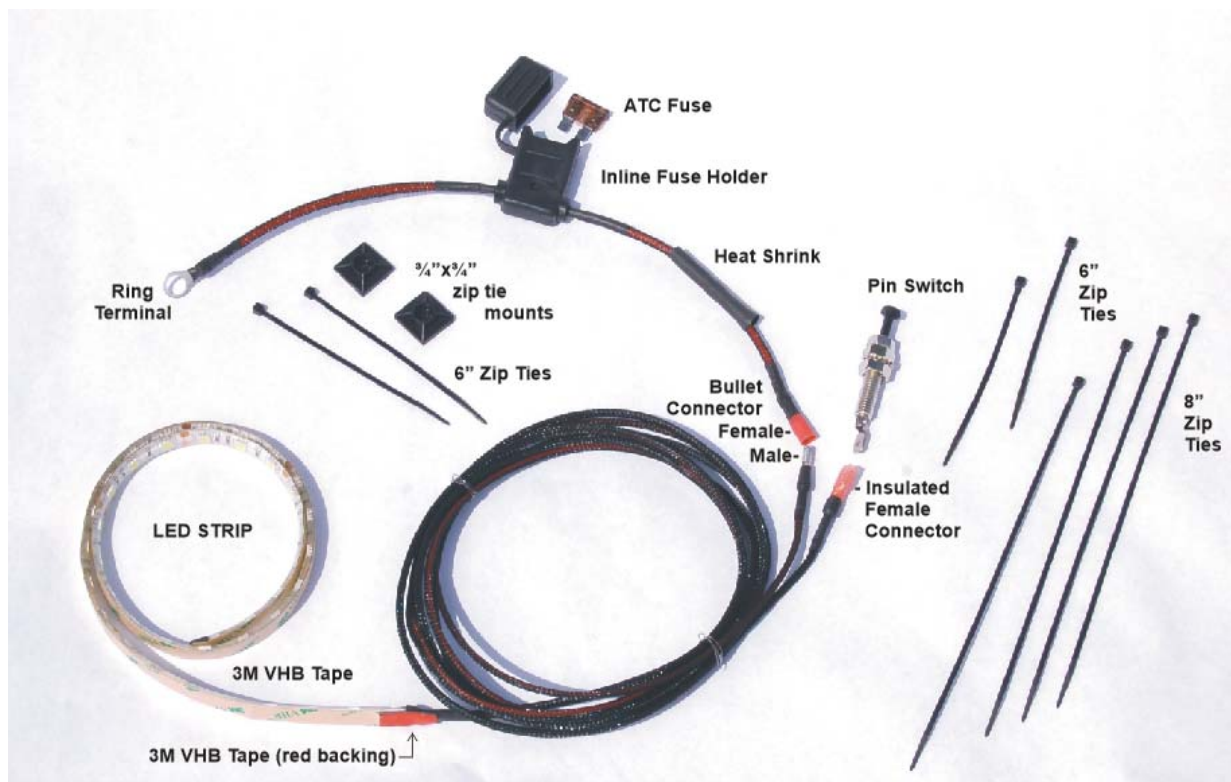


Step by step [Install Video](#) provided for your convenience



Qty	Part Included	TOOLS & items needed for install
1	Engine Compartment Light (E.C.L.) Harness	Fish tape or 10 -14 AWG wire
1	Inline AC Fuse Holder	Rubbing Alcohol
2	Cable Mounts with 3m VHB tape	Electrical tape / Painters tape
2	7.5 amp ATC Fuses	Automatic center punch
1	Pin Switch - ground activated	Needle nose pliers
4	6" Zip Ties - Self locking nylon cable	Drill Gun
4	8" Zip Ties - Self locking nylon cable	1/8" Drill bit
		5/16" Drill bit
		11mm wrench - top of pin switch
		12mm wrench - bottom of pin switch
		10 mm wrench - Battery terminal
		Heat gun or hair dryer

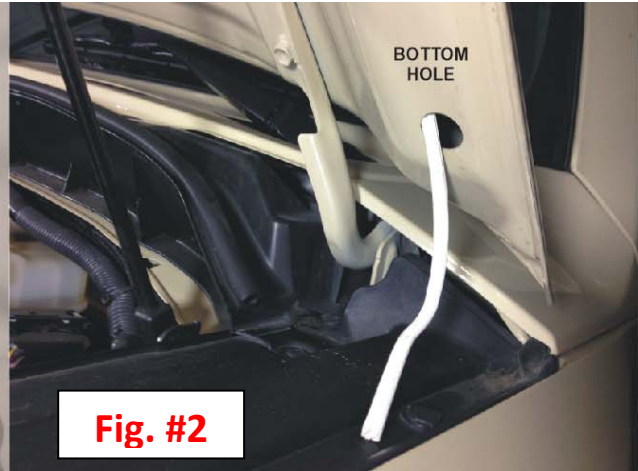
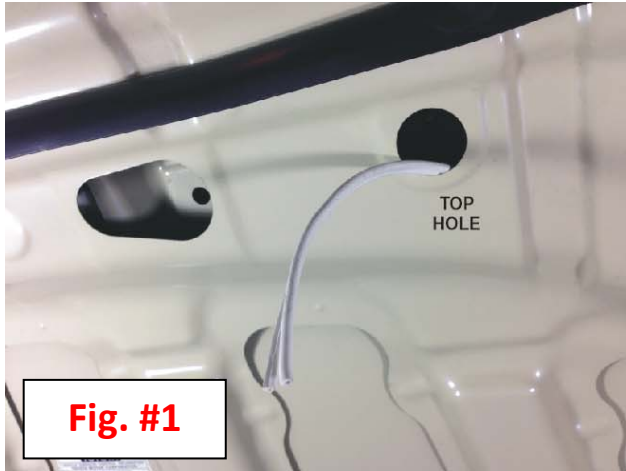
## Engine Compartment Lighting KIT (E.C.L.) and all items included



# Step by Step Instructions:

## Run wiring through hood

(from top hole of the hood down to the bottom)



- 1) Insert pull cord (fish tape) into first hole located on the top of the hood **Fig.#1**
- 2) Fish it down to the bottom hole **Fig.#2**
- 3) Use needle nose pliers to pull cord out of the bottom hole
- 4) *Clean surface where LED Strip will be affixed with rubbing alcohol*
- 5) Tape Positive and ground wire to the pull cord
- 6) Feed wires from the top hole while pulling from the bottom hole to run wiring inside hood
- 9) Attach the (2)  $\frac{3}{4}$ "X  $\frac{3}{4}$ " zip tie mounts to the two locations shown **Fig.#3**  
(be sure to press down on them for 10 seconds each)



## Install LED Strip

*Clean surface where LED Strip will be affixed with rubbing alcohol*



- 1) Center LED strip onto hood **Fig.#4**
- 2) Use blue painters tape to temporarily hold in position
- 3) Begin by removing 3" at a time of the 3M VHB backing from the beginning of the LED Strip (left side)
- 4) Be sure to push and hold each 3" section for 10 seconds
- 5) While affixing each 3" section proceed by pulling the 3M VHB backing a little at a time
- 6) **KEEP APPLYING PRESSURE TO THE LED STRIP** for proper bonding
- 7) As you get to the last 5" of the LED strip remove the RED backing of the 3M VHB Tape
- 8) Use the (2) 6" zip ties to fasten the LED strip to the zip tie mounts

- Route wiring towards battery

- Once positive and negative wires are at the battery location, remove the pull cord and tape

- Use the 8" zip ties to secure the wiring to the hood hinge (be sure to allow enough slack)

## Install Inline Fuse Holder

- 1) Join positive wire to fuse holder by inserting the male bullet connector to the female end
  - *We have provided additional heat shrink to seal the male and female connection -*
- 2) Use a heat gun or hair dryer to activate the heat shrink to seal the connection
- 3) Use the 8" zip ties to secure fuse holder wiring

## Install Pin Switch



- 1) Measure and mark location of the pin switch on the radiator support
- 2) Use a center punch to form a dimple to guide the drill bit
- 3) Drill a 1/8" pilot hole
- 4) Drill a 5/16" hole for the pin switch **Fig.#5**
- 5) Remove nut and star washer from the pin switch
- 6) Insert Pin Switch through the 5/16" hole
- 7) Insert star washer and nut at the bottom of the pin (securing the pin switch)  
*Be sure to insert the star washer first*
- 8) Tighten pin switch with a 11mm on top and 12mm below (be sure not to over tighten)
- 9) Connect the ground wire's female connector to the pin switch

## Positive Connection

- 1) Connect the positive ring terminal to your truck's battery's positive terminal using a 10mm wrench
- 2) Use the 8" zip tie to secure positive wiring
- 3) Install fuse provided to the inline fuse holder

*Your install is now complete!*

***Thanks for the purchase of our  
Engine Compartment Lighting Kit  
for your FJ Cruiser!***

