



4WD INTERIORS



INSTALLATION OF ROOF CONSOLE

TOYOTA FJ 'CRUISER 2007-2013 Pre Crawl control

PART NO: RCFJ

It is recommended an Auto Electrician connects console wiring in this installation as failure to connect wiring correctly and tape up all connections as described in the following instructions could result in an electrical short and void console warranty.

For this installation you will need a **long** Phillips screwdriver, **short** Phillips screwdriver, 3.5mm 'stubby' and 4mm drill bits, 6mm spanner, electric or battery drill, electrical insulation tape and Loctite. **Use Loctite on all console screws when installing.**

In these instructions *rear depicts rear of vehicle *front depicts front of vehicle

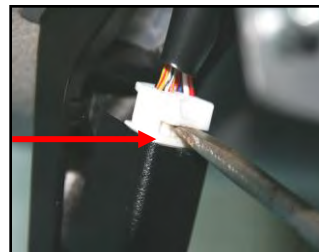
VEHICLE PREPARATION:

***NOTE:** Centre interior light must be set in the "off" position before removing clear lens cover. Carefully remove front and centre interior lights from roof lining and unclip wiring connector blocks from both sets of lights. Put light assemblies aside for refit upon removal of console.

Attaching Front Mount Bracket:

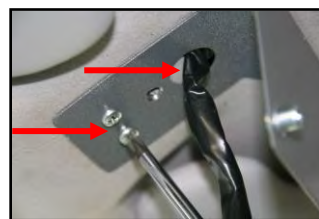
NOTE: **When removing Rear View Mirror avoid touching mirror sensor**

Carefully prise off Rear View Mirror cover.
Disconnect wiring block and harness- to do this, slip a small screw driver between male and female part to depress holding clip, lift screwdriver blade to disconnect wiring block and harness.
Undo the two screws holding Rear View Mirror to roof rib and remove mirror.



Poke wiring block and harness through large hole in Front Mounting Bracket.

Attach bracket to the two mirror mounting holes using original screws.

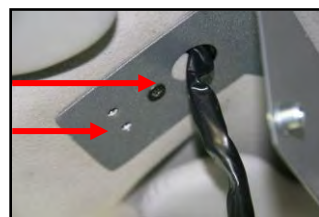


Tuck wiring block and harness out of the way up and under sun visor.
Using a "stubby" 3.2mm drill bit with 20mm of drill bit protruding from drill chuck drill through top countersunk hole into roof rib.

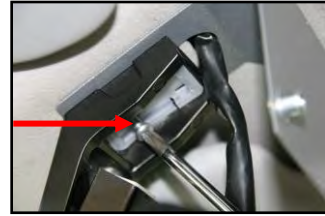


Fasten the 10# x 12mm countersunk screw supplied into countersunk hole.

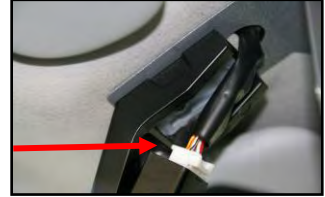
Remove the two original screws. Leave bracket remain in place.



With Front Mount Bracket in place, refit Rear View Mirror into the two mirror mounting holes using original screws.



Re-connect wiring connector.



Return mirror cover.



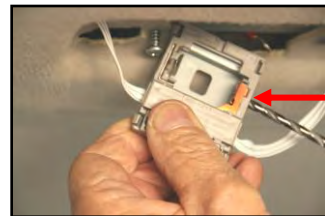
Attaching Rear Mount Bracket:

Before attaching Rear Mounting Bracket an extra power wire needs to be run from *rear light cavity to *front light cavity.

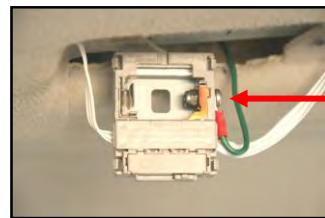
Pull connector block from roof rib, feed thin draw wire with green extra power wire attached from *rear cavity to *front cavity.

Pull extra power wire through from *rear cavity to *front cavity until both ends of wire protrude out of *rear and *front cavities.

Drill 4mm hole through side of plastic connector block and through copper tab on inside connector block.

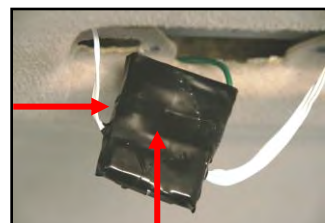


Attach “eye” end of green extra power wire through drilled out hole to copper tab inside connector block using M4x12 round Phillips head set screw, washer and M4 nyloc nut.

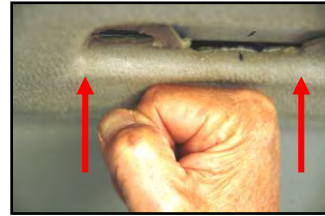


Tape connector block up both horizontally and vertically so no bare contacts or wiring are visible.

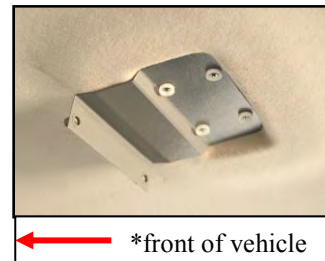
Before taping up ensure ON- DOOR- OFF switch is still in OFF position



Tuck connector block into cavity forward of roof rib, ensure hood lining can be pushed up against roof rib.

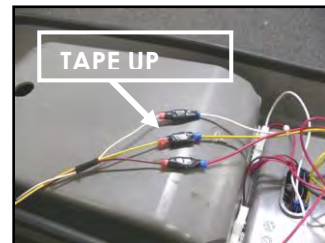


Attach Rear Mount Bracket (facing *front of vehicle) to four vacant screw holes in roof rib using 10# x 20mm countersunk self tapping screws with snap cap collars under screw heads, clip four (4) decorative grey snap cap covers over snap cap collars.



INSTALLATION PREPARATION:

Connect wiring adaptor supplied to console wiring loom, connect **red** on console to **red** adaptor wire, **yellow** on console to **yellow** adaptor wire and **white** on console to **white** on adaptor wire as shown in picture.
Tape up all connections.

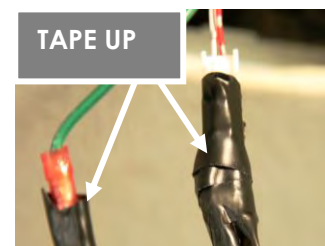


Cover dash with protective cloth, place console on dash and plug console wiring into front lighting harness of vehicle.



NOTE: Failure to connect wires as below will void warranty

Plug **white** adaptor wire into new **green** feed wire (door)
Plug **yellow** adaptor wire into **white/black** wire of light plug (off)
Plug **red** adaptor wire into **red** wire of light plug (on)
Tape up all connections.



Close doors and test lights:

There is an '**on/off**' switch located above radio opening.

When switch is '**off**' it acts as a kill switch-- no lights work. When switch is '**on**', doors are shut and vehicles timer switch cuts out, lights work independently as map/interior lights. When doors are opened lights work as door/interior lights

Comfortable work position:

Slide seats all way back, if right handed - sit in passenger seat, if left handed - sit in driver seat.

CONSOLE INSTALLATION:

With someone helping hold console up in position over Front and Rear Mount Brackets ensuring *front mount bracket is placed between inside front of console and radio surround/storage tray and *rear mount bracket is inside rear of console.

Push up firm on *front of console and **finger fasten** two (2) **M6x16** countersunk Phillips head set screws into captive nuts in Front Mount Bracket. Use snap cap collars under screw heads

Tuck wiring loom out of way so as not to jam in between console body and roof lining.

Push up hard on *rear of console and **finger fasten** console to captive nuts in Rear Mount Bracket using two (2) **M6x25** countersunk Phillips head set screws. Use snap cap collars under screw heads.

Remove one screw at a time and apply “Loctite” or similar on threads and tighten up using **short** Phillips head screw driver. Clip two (2) grey snap cap covers over *front snap cap collars. Clip two (2) grey snap cap covers over *rear snap cap collars.

Open Locker Box and remove Microphone Cable Holder and Rear Mounting Hole Cover from inside; fasten Hole Cover in place using screws supplied. Fasten Microphone Cable Holder in place as per radio installation instructions.

Fit Kit: RCFJ

- One (1) Front Mount Bracket
- One (1) Rear Mount Bracket
- One (1) Console wiring extension
- One (1) Console extra power wire- green 80cm long, thin pull wire attached-1mtr long
- One (1) M4 x 12mm round Phillips head set screw
- One (1) M4 Nyloc nut
- One (1) M4 x 10 x 1.5 flat washer
- One (1) 10# x 12mm countersunk Phillips head self tapping screw
- Two (2) M6 x 16mm countersunk Phillips head set screws
- Two (2) M6 x 25mm countersunk Phillips head set screws
- Four (4) 10# x 20mm countersunk Phillips head self tapping screws
- Eight (8) Plastic snap cap collars
- Eight (8) Plastic snap caps - grey
- Three (3) 10cm sticky back foam pieces

RADIO INSTALLATION

Radio Insert Installation: for smaller size radios

PLEASE NOTE: Radio Inserts NOT INCLUDED.

Decorative side of insert faces outwards and snaps out over bottom of tray surround.

To install insert, squeeze top and bottom together; push/bend sides and squeeze into tray surround from inside to outside until bottom lip on decorative side of insert snaps/pops out over bottom of tray surround, prize with fingers to ensure bottom lip of insert is in place over tray surround as described. **Do not** scratch or mark insert or surround by prising/levering with tools; use hands/fingers only.



Radio Installation:

Place protective cover on work bench to avoid scratching console. Place console on protective cover and using a sharp knife cut a 30mm x 100mm section out of storage tray 25mm in from where rear of radio will be when installed. Use a small amount of methylated spirits on a clean cloth to clean exposed part of console and bottom rear of radio.



Peel one side of protective backing from foam strip supplied; apply pressure with palm of hand to adhere foam to exposed part of console. Peel backing off other side of foam strip and add one or more strips of foam to suit different size radios (see chart below). This will keep radio level with bottom of surround.



Insert radio on an angle until radio protrudes 15mm out over bottom of tray surround or insert and straighten; lay flat onto sticky back foam and apply firm pressure to top of radio with palm of hand for 30 seconds to ensure good adhesion.



Sticky back foam chart:

One (1) strip- standard size radios
Two (2) strips- Icom and Uniden
Three (3) strips- GME Electrophone

Microphone and Microphone Cable Holder installation:

Install in a position that suits best, depending on vehicle and Radio model. Ensure microphone or microphone cable and holder does not foul on sun visor when pulled down.



Microphone clip on slight angle



Left hand cable outlet radios



Microphone clip on acute angle