

## INSTALLATION OF ROOF CONSOLE

### 200 SERIES LANDCRUISER

PART NO. RC200

For this installation you will need a **long** Phillips screwdriver, **short** Phillips screwdriver, electric or battery drill, 'stubby' 3.5mm drill bit, **sharp** craft knife, electrical tape and Loctite. **Use Loctite on all console screws.**

#### **NOTE:**

**200 SERIES GXL INSTALLATION ONLY-** Refer **GX** section for 200 Series Landcruiser GX

#### ***Comfortable work position:***

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

#### ***Vehicle Preparation:***

Switch centre interior light to 'off' position. Remove interior light assembly from roof mounting and prise out globe capsule. Remove globe and put away with light assembly for refit at a later date. Wrap capsule in bubble wrap tape up to avoid rattling and tuck back into roof lining cavity.



Remove front reading light pod from roof of vehicle: To do this, lower sunglasses holder and pop out two small plastic inserts covering holding screws, undo screws retain for console installation. Pull down hard on front of light pod to unclip pod from roof. Unplug pod from wiring harness and put aside for refit to vehicle at a later date

#### ***Front Mount Bracket installation:***

Using a **long** Phillips screwdriver fasten the Front Mount Bracket to plastic light pod fixing grommets using the two original screws.



#### ***Rear Mount Bracket installation:***

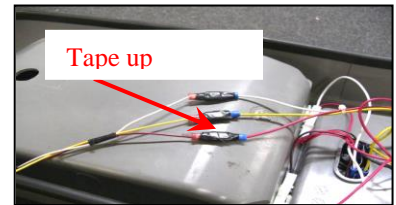
Slide Rear Mount Bracket forward over front metal lip of interior light hole, to do this use a sharp trim knife to cut small section of roof lining away first allowing bracket to slide all way forward. Ensure bracket is **centre** of light hole. Using a small electric or battery drill insert a 'stubby' 3.5mm drill bit with **only 20mm protruding from chuck** carefully drill up through one hole in Rear Fixing Bracket and fasten using 12# x 12mm Phillips screw. Drill up through other hole in bracket and fasten using 12# x 12mm screw.



### Installation Preparation:

Connect console wiring extension supplied to console wiring loom; connect **red** to **red**, **white** to **white** and **yellow** to **yellow**. Tape up all connections.

**GX Model only:** cut harness connector block off extension loom and strip 10mm wire coating from all 3 ends.



### Console and centre interior light wiring:

Stand console upright on front seat and plug console extension harness connector into vehicle front lighting harness. 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 will work. When switch is 'on' lights will work independently as map/interior lights when doors are shut and timer switch is off

When doors are opened lights will work as door/interior lights.



### 200 SERIES LANDCRUISER GX INSTALLATION ONLY:

**NOTE: A 180mm x 70mm section of roof lining needs to be cut out to attach Front Mounting Bracket, thereby making this console installation a permanent fitting.**

### Comfortable work position:

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

### Vehicle Preparation

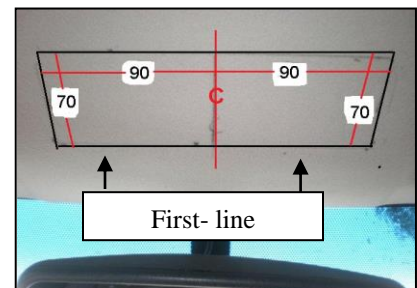
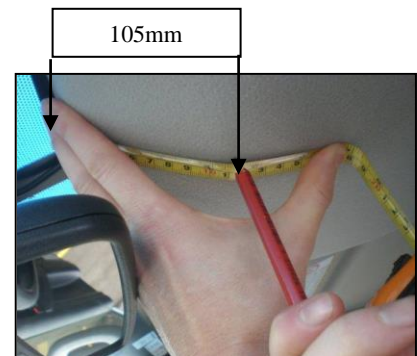
Switch centre interior light to 'off' position.  
Remove interior light assembly from roof mounting and leave light hanging from wiring loom.

### Front Mount Bracket installation:

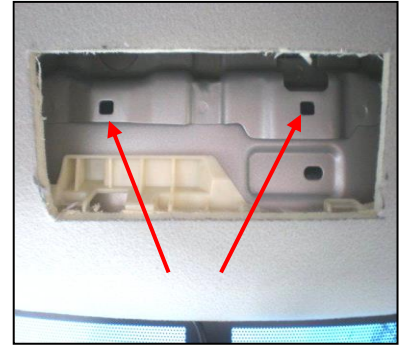
Using a tape measure and lead pencil mark two points on roof lining 105mm in from windscreen rubber and 90mm each side centre of rear view mirror. Using a steel ruler and lead pencil mark first line between these two points.

Use lead pencil mark two points 70mm back from first line. Using a steel ruler and lead pencil, mark second line between the two points 90mm each side centre of rear view mirror. Mark side lines joining first and second line.

Using a sharp trim knife cut along marked lines to produce a **180mm x 70mm** hole in roof lining.



Insert square plastic screw grommets supplied into the two holes in roof rib of vehicle.  
Fasten Front Mount bracket to plastic screw plugs using 10# x 16 self tapping screws supplied.



***Rear Mount Bracket installation:***

Refer to Rear Mount Bracket installation **200 Series GXL** section.

***Installation Preparation:***

Refer to Installation Preparation **200 Series GXL** section.

***Console and centre interior light wiring:***

Prise out Globe/Wiring capsule from interior light housing.

Prise open cover panel to expose the 3 wires. Carefully pull wires from copper terminals.

Cut the 3 wires in the centre of exposed loom, strip approx-15mm coating from all wire ends.

Stand console up-right on one front seat.

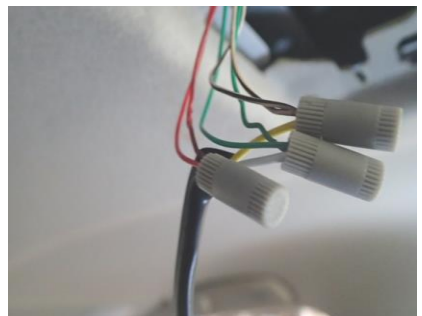
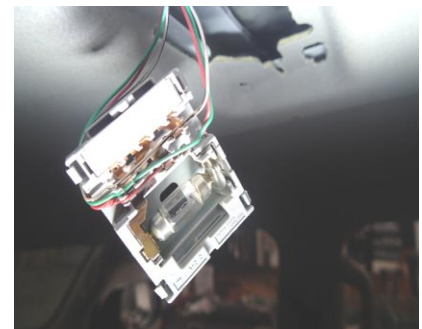
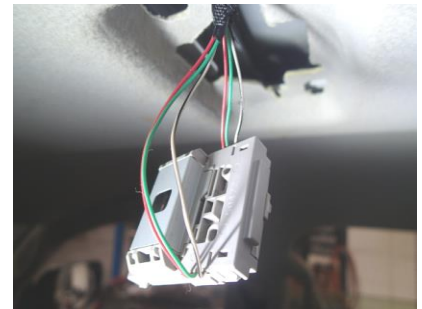
Using Posi-Twist™ connectors supplied, twist the 2 red wires from vehicle together with the stripped red wire from console extension loom and hold secure with Posi-Twist™ connectors. Repeat process with 2 green wires from vehicle to stripped white wire, and two white wires from vehicle to stripped yellow wire.

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 will work. When switch is **‘on’**, lights will work independently as map/interior lights when doors are shut and timer switch is off

When doors are opened lights will work as door/interior lights.

NOTE: To use Posi-Lock twist connectors, twist all 3 wires together, insert short threaded section over the 3 wires until the bare wires are past the thread, then screw main body to short section until locked. No wires should be able to be pulled from connection when done correctly.



## **CONSOLE INSTALLATION:**

Use 'Blu-Tack' in fit kit to adhere one of the 6mm x 30mm round head bolts to **long** Phillips screwdriver, put a small amount of 'Loc-Tite' on thread and store in convenient location, eg: in/on centre console.

Hold console up in position **over Front Mount Bracket** ensuring bracket slides/fits in between front of console and rear of radio surround/storage tray. Look up under rear mounting hole and line up captive nuts in Rear Mount Bracket with slotted fastening holes, tuck wiring loom out of way so as not to jam between console body and bracket. **Loosely** fasten console up to one of the captive nuts in Rear Mount Plate using the 6mm x 30mm bolt 'Blu-Tacked' to screwdriver.

Push up firm on front of console and **finger fasten** front of console to Front Mount Bracket using the two 6mm x 16mm **black** Phillips head bolts supplied. Now do bolts up tight using **short** Phillips screwdriver.

'Blu-Tack' other 6mm x 30mm round Phillips head bolt onto screw driver, apply 'Loc-Tite' and fasten into Rear Mount Bracket; tighten both bolts. **NOTE:** *Only tighten rear bolts up firm so console is held to roof. **DO NOT** tighten so as to bend rear mount plate downwards; do rear bolts up with equal tension.*

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: RC200**

- One (1) Front Mount Bracket
- One (1) Rear Mount Bracket
- One (1) Console wiring adaptor
- Three (3) Posi-Twist™ wire connectors (GX model only)
- One (1) Small piece of 'Blu Tack'
- Two (2) Square plastic screw grommets (GX model only)
- Two (2) 10# x 16mm Phillips self tapping screws (GX model only)
- Two (2) 12# x 12mm Phillips self tapping screws
- Two (2) 6mm x 16mm **black** Phillips round head bolts
- Two (2) 6mm x 30mm Phillips round head bolts
- Three (3) x 100mm 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