

Flat- Top

Fitting Instructions

***PX Ranger and Mazda BT 50 Dual Cab
2012 onwards with Sports bars***

RG Colorado Dual and Space cab

***:Fitting Time 3.5 Hours manual Lock and 4.5 hours Auto-remote .
These lids are showerproof, and Not Dust Proof- Quality Installation and
Care during fitting will make them More so of Both.***

Read Twice install once!!!!

***These Types of lids fit the Ranger BT 50 and RG Colorado with OEM bars or
Flat Tops Generic bars- However the lids are a different size and hole cut
out and space on the infil molding are different.***

***The manual lock installation is described -AUTOREMOTE has different Strut
and hinge options!!!!)***

***1) Unpack Lid and inspect that part has arrived undamaged . Then Place upside down
onto the foam /bubble wrap and place on cardboard , -Fitting damage is easily
identified?? We inspect to a class A-minus standard viewed at 500mm in daylight on
the significant surfaces only***

***2) Check surface Finish .Sometimes a dull spot (grow back) may appear this is due to
cure of clear coat, a simple cut and polish will cure after fitting.***

***3) Remove Roll bars from underside ,removing the Plastic covers and undoing mounting
bolts and unplugging brake light.(ranger only) - The BT 50 has Bolts in slotted bar
mounts that can quickly be unbolted. The Ranger Plastic Covers can be removed (front
moldings prise in a downward movement with a screwdriver)***

***(30% of stainless bolts on the ranger will break when you undo (use easy outs to
remove/replace)-manufacturing fault.***

4) Disconnect the brake light Plug on LHS.

***5) (Ranger) Remove the Roll bar bottom molding and carefully trim the plastic molding
flat to remount on the infil molding.BT 50 plastic moldings can be re-used as is.(see
picture below)***

6) (ranger) Pack up the underside of the roll bar with 5x galvanized Washers and remount the roll bar with the Hex threaded bolts (re use) Re trim carefully the plastic boot molding to sit on to the paint infil Top. Carefully Transpose the assembly back on to the tub -2 people one either side , don't drop the moldings!!!



and trimmed molding

Ranger only Original



ranger Only bar attachment showing washer packing,

COLORADO: Pack 5 washers under the rear sports bar bracket to bring it down to the hole position again. Put weight to sports bar to align and retighten in the aligned position at the end of fit.



- There should be a slight Gap under the infil edge this is to accommodate an over lip tubliner (option) support under the infil with rubber packers supplied.**

Re position in line with the original clamp bracket threaded holes and re attach mounting bolts.

Finely silicone around the Base of the rubber molding as a last step when everything is finally adjusted. We have found sealing around the top also helps (do at the end!!)

Drill Hole in the tub side to mount the Infil support Bracket and mount reinforcement tube behind (aluminium tube PX and BT) . Visually align with infil molding <on the underside there is a Metal Tab to adjust the leveling bolt up against.

Re- Mount the sports bar with the Infiles attached being careful not to Drop them.



Extra Support bracket for super cab shown!

Finally Tighten Bar after Lid install with VERTICAL Weight down on Bar.!!!!

Re attach Bars taking care to not trap the light plug and wire (re attach later) Do up lightly to allow some adjustment.

*Put foam around bars to protect lid from chipping.
Lay the supplied Primary D shaped seal across the front carefully rebating the hinges into the seal with a sharp razor blade. This will mate with the front of the Lid*



*Run primary seal around the infil and across the front lip of the tub -over the hinge - **Pin Type or Tongue type are used** (but trim and place foam tape over hinge so it can seal (see pic)*

Trial Mount The lid to the hinges and Don't attach the struts (cylinder upper and Rod Lower)

Carefully push the lid against the Tub Ledge and Mark Female hinge Position . Mount female Hinge . Ensure you have even alignment around the infil and across the back (feel with fingers)

Tailgate clearance should be 3-4 mm.

The hinges should line up with the edge of the tub itself.

REMOVE Lid Then remove Male hinges. It is easier to remount the Lid after the Female hinges have been fixed .Re Attach The 8x 8mm stainless mounting bolts. Checking the alignment before tightening

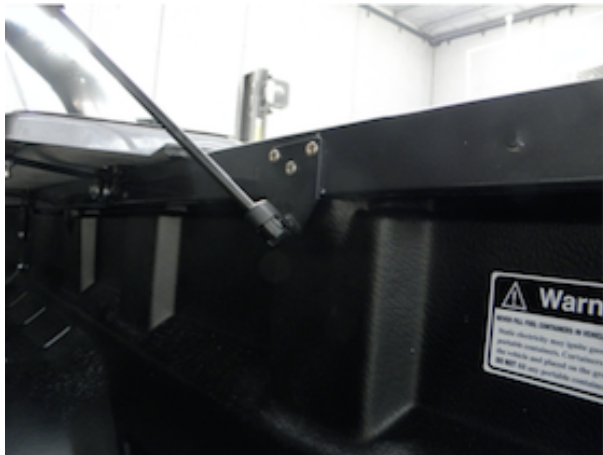
Gently push the infils square to adjust the cleance to the lid itself . The primary seal is visible and should seal all around when the infil support bracket is finally adjusted (AT THE END OF THE INSTALL)

With The Lid Remounted Attach the stuts to the lid and Lay the struts Back and mark the Strut mounting bracket (The Ranger is 980mm from the front of the tub bit Colorado and all lids are flexible -just don't bottom out struts)

You will need to double check the opening height with the shortest likely operator (measure her and ask??? Otherwise ???)

With OEM bars The opening distance is normally about 650mm , but this can be adjusted to suit by placing the strut brackets forward (greater opening) .

With Flat Top generic bars there is more opening distance possible , the strut bracket position can be fixed as required but do not go further back than the 980mm otherwise the lidlok servo cannot be accomodated (if Fitted)



*strut mount forward - Colorado BT 50
and super cbabs face backwards . (position bracket to suit but DONT BOTTOM OUT)*



power strut bottom pivot if fitted.



Locking:

Most Ranger lids are supplied with the lidlok auto-remote locking system, in which case there are no pre drilled lock holes for manual locks.

The detailed instructions for these locks are contained within the Kit.

Manual Locks

*With Lid in position ,visually locate the two lock latches near the back of the lid . Mark in front of the latches the position of the lock barrel .
Re check measurements with the other side to ensure they are in the same position.*

- Drill up with a 4 mm pilot drill*
- Place a piece of masking tape to the painted surface and drill downwards slowly with a 19mm hole cutter.*
- Assemble the lock with seal topside , carper washer underneath then a nut. Then reinforcement bracket and second nut.*
- Align with the lock latch. Which you can now secure to the tub with 2 self tapping screws And re adjust engagement with slight pressure on the lid.*

Lidlok Auto remote Locks

Read fitting instructions contained in the kit.

If You prefer you can Remove Taillights to allow Harness feed alongside loom and Chassis to the fusebox . Drill an access hole thru the tubliner on the XLT and metal work only on XL .

You can also drill a feeder hole through the double skin and feed Wires down to the Chassis cavite without removing taillights.

We use a long plastic batten to feed the loom thru to a removable grommet under the drivers seat.



There is a hole to feed control Wires in the tubliner.

*feed wire with thick wire or flexible Batten back thru chassis to exit hole near this Grommet to feed fuse box. *****Strut mounting position shown! Ahead of lidlok serve******



puncture Grommet and feed Lidlock harness thru to fuse box(this is on the underside under drivers seat)

Attach Lidlok wiring per the intructions enclosed in The Kit itself <The Toyota Nissan and Ranger/BT50 kits are the same? >.

Check the operation of the locks (direction) before securing and fixing wires in postion (you and swap the connections to reverse polarity.



*remove taillight (undo two screws and shift lens backwards)
feed wires back thru to follow harness in side chassis.*

lidlok latches on the underside of the lid should be adjusted to align with servo latches , there is a slotted adjustment on the servo itself to allow some movement .

7) The lid may sit up slightly in one of the corners (this is due to compression in transport and the fact that moldings may be slightly green) so put some light weight on the corner and locate locking plate and secure with locks The lid and seals will relax after a few weeks once the locks have been used to hold in locked position.

8) When adjusting the locking gently push down the lid and adjust engagement ,

9) Re-check alignment of lid and infils adjust the support brackets so that the edges line up.Get somebody to put gentle weight on sports bars down ward and tighten up the sports bars mounting bolts.

10) Silicone Seal around Sports bar Rubber Foot Moldings to ensure water tightness >

- a) *Mask as close around the base of the Rubber foot as you can with some Fine Line masking Tape (or electricians pvc Tape)*
- b) *Apply a fine bead of CLEAR silicone and carefully force into gap with a fine Radius soft tool or Foam.*
- c) *Remove masking tape.*

11) *Clean off finger prints and the lid is ready to use then Polish. .*

12) *Please read ID warning tag , lids should be locked when travelling , no bodies to be stored and avoid jumping on lid.*

Thank you for buying a Flat-Top lid please enjoy many years of operation most of our sales are from recommendations so your comments and feed back is appreciated to continually improve our product .

Useful Links:

www.Flat-Top-Products.com.au

www.lidlok.com.au

******over Rail BED RAIL COVER Ford part Number AMAB3J2603SAOOBA
Is compatible with our lids (trimmed)*

https://www.youtube.com/watch?v=tzGbQKr_Fws

Video link for overview of Autoremove powerlifters.