

T15
w/Liner



PARTS, SERVICE & ACCESSORIES

**HiLux DOUBLE CAB UTILITY
WITH SPORTS BAR**

February 2005 production onwards

**Installation Instructions for Hard Tonneau Cover
USE IF UTE HAS A UTE LINER**



Accessory Part No. **PZQ70 89315**

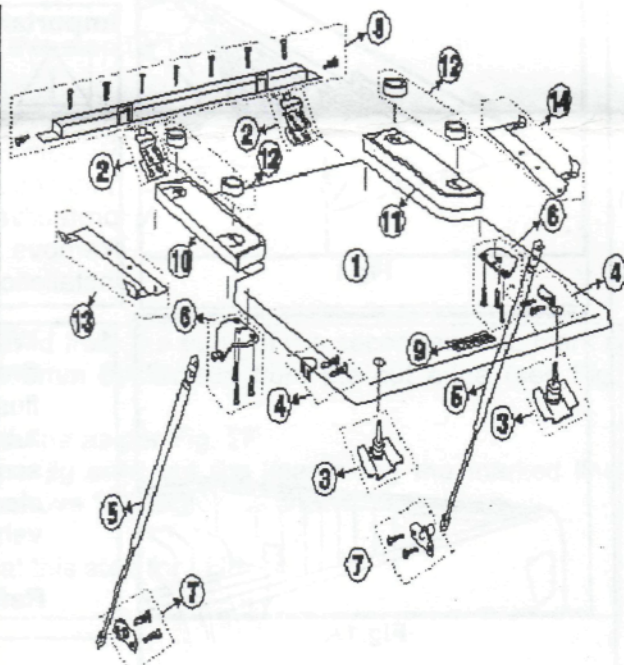
Installation Time: **Approx. 70 mins**

Place these instructions in vehicle's glove box after installation is complete.

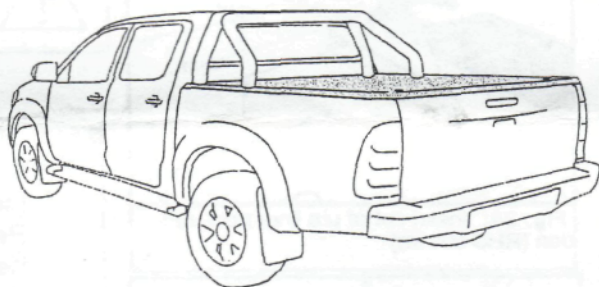
Parts List Important : Check contents of kit before commencing fitment and report any discrepancies

Item	Component Name	Part No.	Qty	Pre-fitted
1	Hard Tonneau Cover	PZQ70 89315HT	1	x
2	Front Hinge	PZQ70 89010FH	2	√
3	Lock Kit	PZQ70 89010LK	2	√
4	Lock Bracket	PZQ70 89010LB	2	x
	-Self Drilling Screw		4	x
5	250N Gas Struts	PZQ70 89010GS	2	x
6	Lid Strut Bracket	PZQ70 89010LS	2	x
	- M6 Bolt		6	√
7	Body Attach Bracket	PZQ70 89010BB	2	x
	- Self Drilling Screw		4	x
8	Front Bar Assembly Set	PZQ70 89015FB14	1	x
	-Self Drilling Screw		9	x
9	Toyota Badge	PZQ70 89010TB	1	√
10	LHS Moulded Insert	PZQ70 89015ML	1	x
11	RHS Moulded Insert	PZQ7089015MR	1	x
12	Moulded feet cups	PZQ70 89010FC	4	x
13	LHS Infill Support Bracket	PZQ70 89010SL	1	x
	- 45 mm M8 Bolt and M8 washer		2	x
	-25 mm M6 Bolt and Nut		3	x
14	RHS Infill Support Bracket	PZQ70 89010SR	1	x
	- 45 mm M8 Bolt and M8 washer		2	x
	-25 mm M6 Bolt and Nut		3	x

Note: √ shows part which is fitted onto the hard tonneau cover



Lay Out

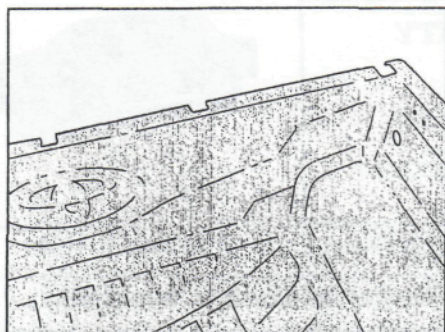


Tools Required:

- Masking Tape and Marking Pen
- Tape Measure
- Cordless Drill
- 2 mm Drill Bit (with 5 mm stop)
- #2 Phillips Screwdriver
- 5 mm Allen Key
- 10 mm open end spanner
- Torque wrench
- Centre Punch
- Jig Saw
- Clear or black silicone

Care Instructions:

- Read Instructions Fully before commencing installation.
- Refer to manufactures instructions applicable to power drill
- Wear appropriate safety goggles when drilling
- Protect Tub floor against scratches during installation process.



Important:



Use these instructions, if Ute has a Ute liner.

Never fit Front Bar Assembly of tonneau over a Ute liner

CAUTION:

Over tightening fasteners attached to the hard tonneau cover may damage the threaded inserts. Please use recommended tightening torques where specified.

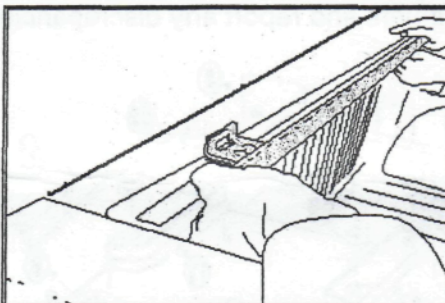


Fig.1

Important:



Remove sportsbar from vehicle

Recommended:

You should leave the protective plastic film on the lid, peel back the protective plastic film 100 mm from around all edges.

Remove the remaining protective plastic film only at completion of installation (see step 15).

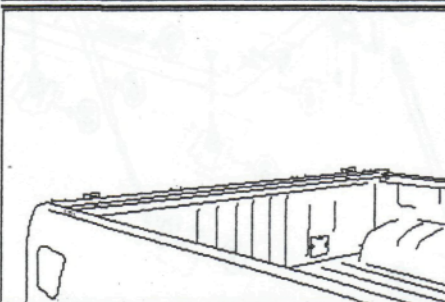


Fig.1A

- 1. With Ute liner removed, fit Front Bar Assembly (FBA) first.** Align bar along front of tray, ensuring ends of bar are flush with sides of tray. Remove white paper tape from rubber seal and attach the FBA using nine self-drilling screws (supplied) through holes pre-drilled in bar. Apply clear or black silicone to any gaps between the FBA and the vehicle to prevent water entry.

Refer to Fig. 1 and Fig 1A

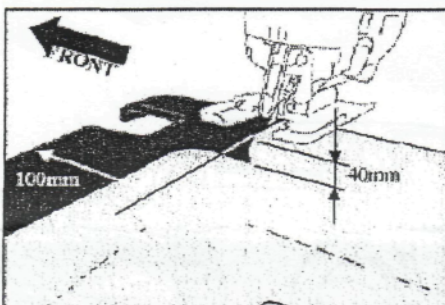


Fig. 2A: Initial cut of ute liner front section (RHS shown)

Important:



For all ute liner cutouts, mark a line with white or yellow marker on liner.

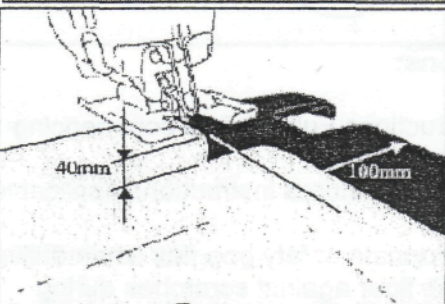


Fig. 2B: Initial cut of ute liner front section (LHS shown)

- 2A.** Measuring from front edge of ute liner rail lip, mark a line 100 mm back and 40 mm down the inside face of the liner (see Fig. 2A).

Repeat this for LHS (see Fig. 2B)

Keeping the same depth of 40 mm, continue the line as shown along the inside of the front face of the liner from the RHS front corner to the LHS front corner.

Using a jig saw, cut the liner along the marked line and remove blackened section as shown.

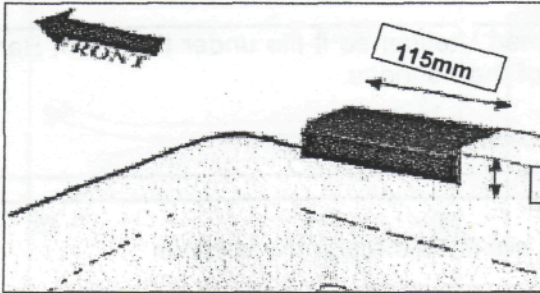


Fig. 2C : Secondary cut (RHS shown)

2B. Measuring from the edge of the first cut, mark a line 115mm backwards from cut edge and 50mm down the inside face of the liner (see Fig. 2C). Cut along line as marked.



Fig.2D:Shape of ute liner after secondary cut

2C. Fig. 2D shows the shape of the correctly cut ute liner.

Repeat this step for LHS.

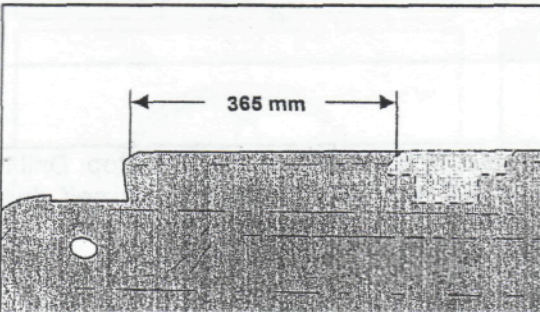


Fig. 2E : Final cut of ute liner (RHS shown)

2D. Measured from the edge of the secondary cut, mark a line 365mm backwards from the cut edge (see Fig. 2E).

Mark a line as per Fig. 2F.

Using a jig saw, cut the liner along the marked line and remove "T" section as shown.

Repeat this step for LHS

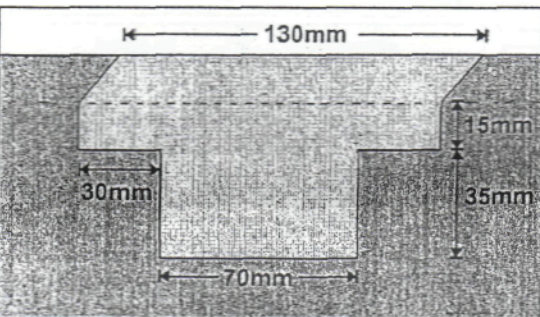


Fig.2F:Measurement for cutting "T" Section

2E. Fig. 2G shows the final shape of the correctly cut ute liner.

Reinstall ute liner to vehicle.

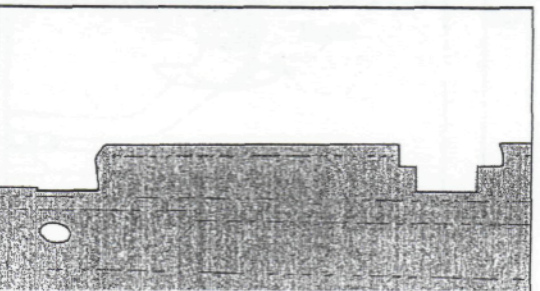


Fig.2G :Final shape of ute liner after cutting

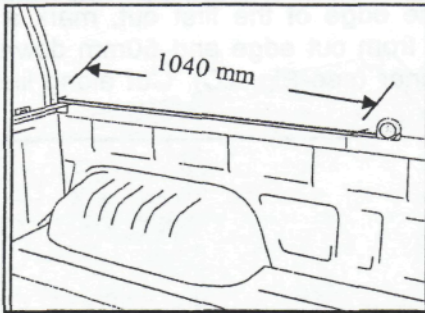


Fig.3A

3. Re-install trimmed Uteliner so it fits under the Front Bar Assembly (FBA) of the Tonneau.

Never fit FBA over Uteliner

Note:

The gas strut bracket are fitted through the Uteliner

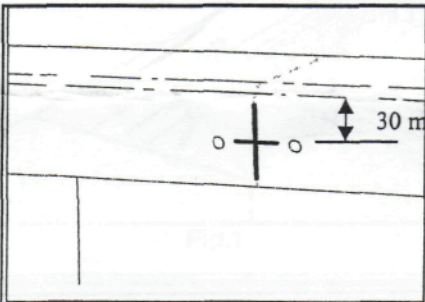


Fig.3B

- 3A. Hook tape measure over front edge of tub, measure along top edge of tray **1040mm** then down **30 mm** and mark the ball position for the gas strut bracket. Position the gas strut bracket accordingly, mark both mounting holes and centre punch

Refer to Fig. 3A and Fig. 3B

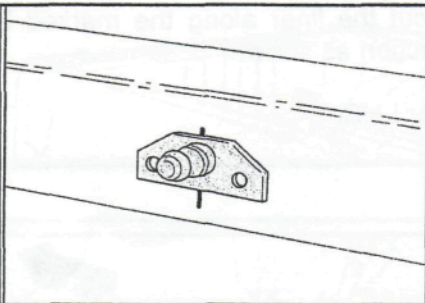


Fig.3C

- 3B. Using a 2 mm diameter drill bit set to 5 mm drill stop. Drill two pilot holes. Attach small gas strut bracket using self drilling screws provided.

Repeat process on other side of tray.

Refer to Fig. 3B and Fig.3C

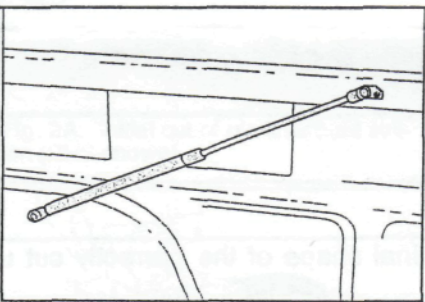


Fig. 4

4. Attach small shaft end of gas strut onto gas strut brackets, by clicking them in place. Refer to Fig. 4 with regard to strut orientation.

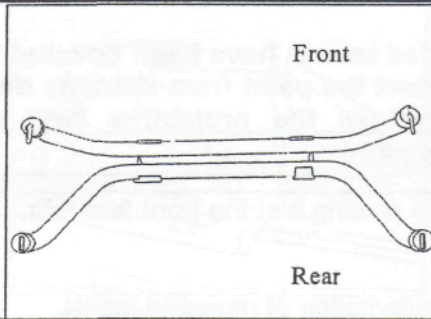


Fig.5

5. Turn the sportsbar upside down.

Remove all the moulded feet cups from the sportsbar.

Refer to Fig. 5

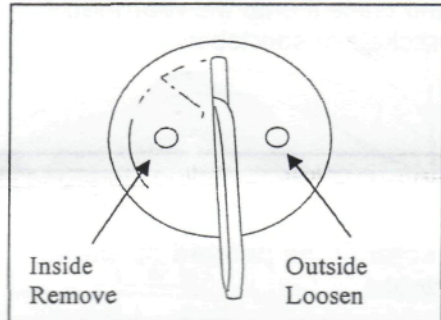


Fig.5A

5A. For front legs of the sport bar, remove inside bolt and loosen outside bolt.

Refer to Fig. 5A

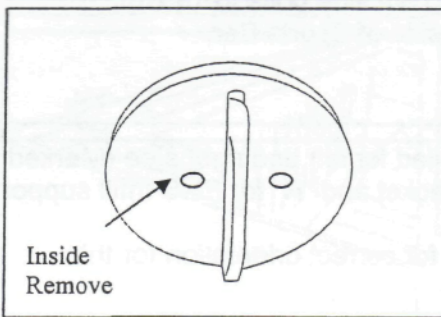


Fig.5B

5B. For rear legs of sport bar, remove inside bolt .

Refer to Fig. 5B

Important:



Step 5C must be followed to ensure a water tight seal between the moulded feet cups and the moulded inserts.

Inside of moulded foot cup

Underside moulded foot cup



Fig.5C

5C. Apply a small bead of silicone on inside of the moulded feet cups around internal corner.

On underside of the moulded feet cups, apply a small bead of silicone around slot and holes .

Refer to Fig. 5C

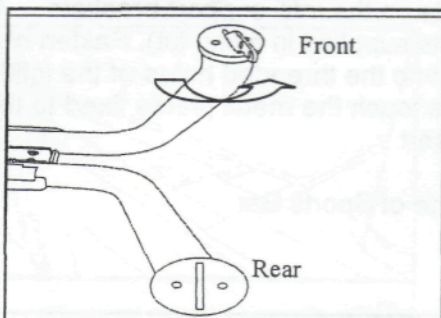


Fig.5D

5D. Fit the moulded feet cups supplied with the fitting Kit. For the front legs, turn the feet to outside direction.

Refer to Fig. 5D

Loosen eight bolts of the black sportsbar channel.

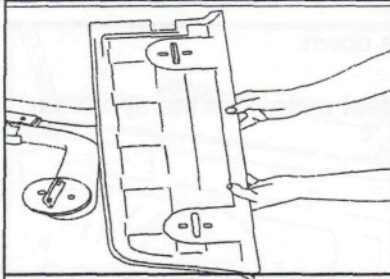


Fig.5E

Important:



The painted moulded inserts have been covered with a blue tape to protect the paint from damage during fitment. Please remove the protective tape after fitment (refer to step 14).

5E. Install the moulded insert by placing it at the front feet first.

Refer to Fig. 5E

Refer to Fig.5D for correct orientation of moulded insert.

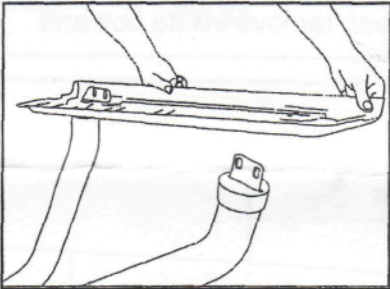


Fig.5F

5F. Lift up the moulded insert and place it onto the rear foot. Straighten front mounting brackets of sportsbar.

Refer to Fig. 5F

Important:



Be careful not to scratch the painted moulded insert on the sportsbar

5G. Tighten sportsbar mounting outside bolts to 18 Nm. Repeat process on other side of Sports Bar.

Refer to Fig. 5G

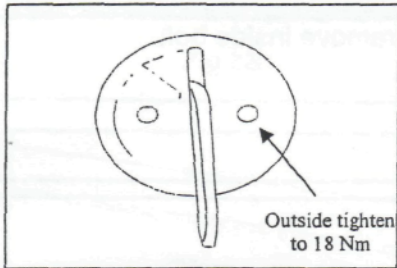


Fig.5G

5H. Support brackets are supplied for left and right side (Marked as "L" for LHS Infill support bracket and "R" for RHS Infill support bracket).

Refer to Fig.5H and Fig.5J for correct orientation for this bracket.

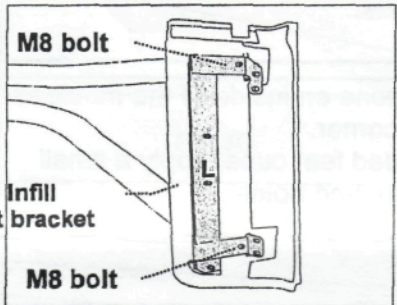


Fig.5H

5J. For installation of support bracket on moulded insert, place steel support bracket on the underside of moulded insert. Install by using two 45 mm M8 bolts and M8 washers supplied with fitting kit, fastening one at the front and one at the rear foot. Do not fully tighten.

Repeat process on other side of Sports Bar

Refer to Fig. 5H

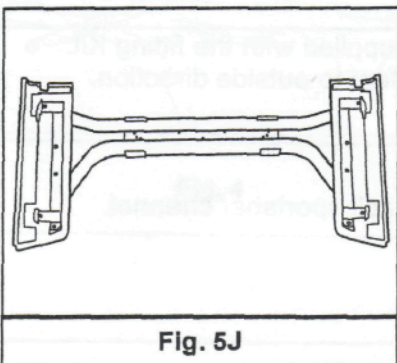


Fig. 5J

5K. To install the adjustment bolts on the infill support brackets (6 x 25 mm M6 Bolts with nuts supplied in fitting kit). Fasten nuts on bolts and screw the bolts into the threaded holes of the infill support bracket until the bolts touch the metal plates fixed to the underside of the moulded insert

Repeat process on other side of Sports Bar

Refer to Fig. 5J

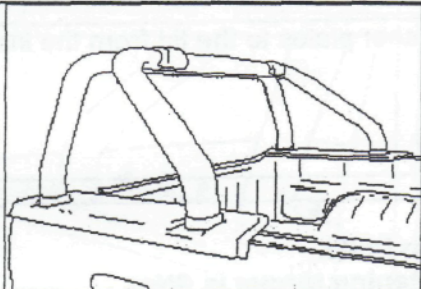


Fig.5K

5L. Using two people, position sportsbar assembly as shown in Fig.5K.

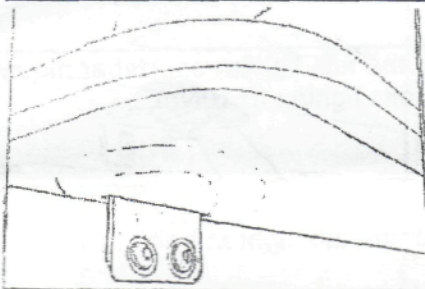


Fig.5L

5M. Install the sportsbar by using bolts supplied with the sports bar. Do not fully tighten.

Refer to Fig. 5L

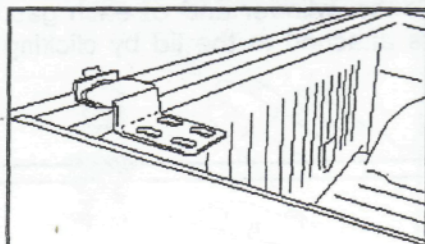


Fig.6

6. Remove the hinge tongues from the lid (four Allen key bolts on each side). Place hinges tongues into hinge slot already fitted to the vehicle

Refer to Fig. 6

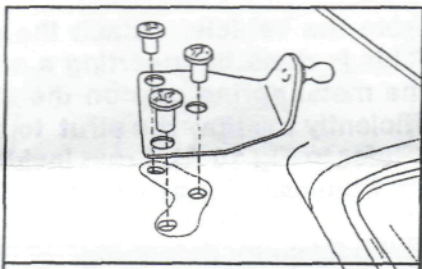
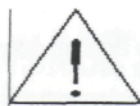


Fig.7

7. With the lid on the floor and taking care to prevent damage or scratches to the painted surface, unscrew the 6 Phillips head screws from the underside of the lids (3 per side) and use them to fit the upper gas strut mounting brackets to the lid.

Refer to Fig. 7

Important:



DO NOT over tighten screws.
Recommended tightening torque is 1 to 3 Nm

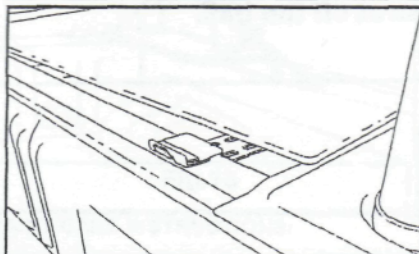


Fig.8

8. Place hard Tonneau cover into position, ensuring uniform gap conditions between cover and infill panels, as well as between cover and vehicle body.

Refer to Fig. 8

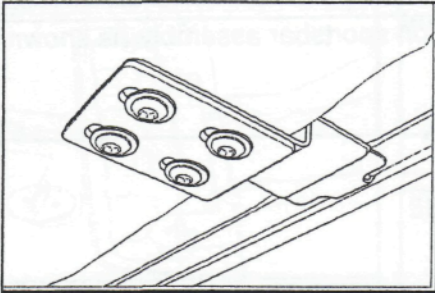


Fig.8A

8A. Reinstall hinges and washer plates to the lid from the inside of the tub.

Refer to Fig. 8A

Important:



DO NOT over tighten bolts.
Recommended tightening torque is 6Nm

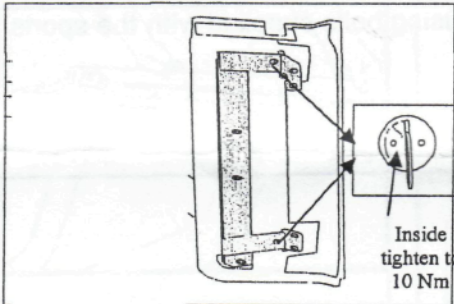


Fig.9

9. While remaining inside of the tub, tighten sportsbar mounting bolts. Inside 45 mm M8 bolts tighten to 10Nm.

Refer to Fig. 9

9A. While remaining inside of the tub, tighten bolts to 18 Nm

Refer to Fig. 9A

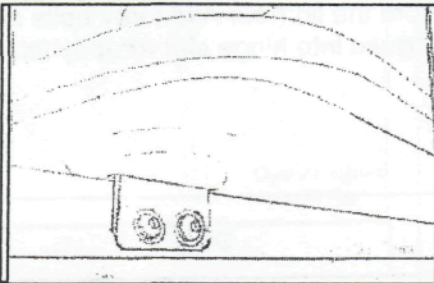


Fig.9A

10. With the lid opened, attach the cylinder end of each gas strut onto the mounting brackets attached to the lid by clicking into place

Refer to Fig. 10

Important:



Re-tighten 8 channel bolts at the top of the sportsbar to 10Nm.

Important:



To remove the lid from the vehicle, detach the gas struts from the lid. This is done by inserting a small screwdriver under the metal spring clip on the strut and easing it out sufficiently to allow the strut to be popped off the ball (Refer to Fig 10 A). From inside of tub , remove 4 bolts from each hinge bracket.

Ensure someone is supporting the lid when detaching.

Never completely remove the metal spring clip from the gas strut end, and never force the strut off the ball.

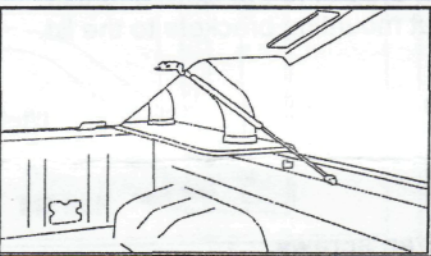


Fig.10

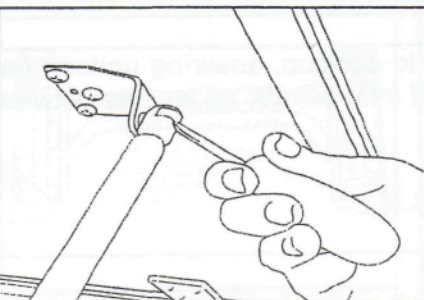


Fig.10A



TOYOTA GENUINE

HILux DOUBLECAB UTILITY WITH SPORTS BAR

PARTS, SERVICE & ACCESSORIES

Accessory Part No. - PZQ70 89315

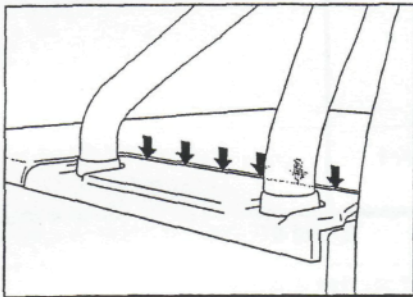


Fig.10B

10A. With the lid closed, adjust six adjustment bolts (25 mm M6 three on each side) from inside the tub until no light can be seen through the join (as indicated by arrows) between lid and inserts. Using M6 nuts, lock bolts into place. **Refer to Fig. 10B**

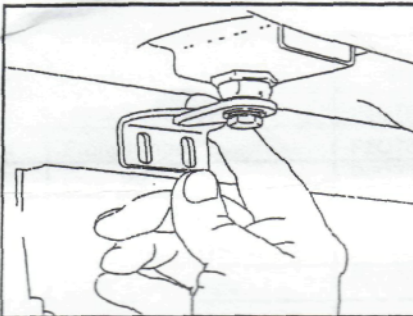


Fig.11

11. Close lid and check it fits snugly and evenly around all sides. Make sure it also fits down snugly over the tailgate. If it does not, then adjust as follows:
a. Open lid, disconnect struts from lid.
b. Loosen four Allen key bolts on each side of the two hinge tongues on the lid.
c. Adjust closed lid. From inside the tub, re-tighten the Allen head bolts.
d. Open lid and reattach gas struts.
e. Using a clean rag wipe off any excess silicone around the moulded feet cups being careful not to scratch paint on the moulded insert.

Important:



DO NOT over tighten the Allen head bolts. Recommended tightening torque is 1 to 3 Nm

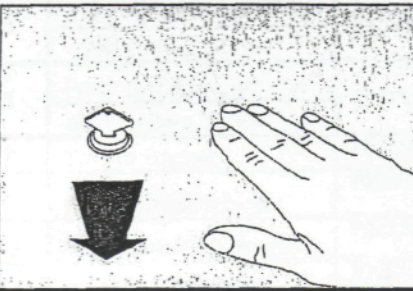


Fig.12

12. To fit lock brackets, open tailgate and close lid. Make a mark where the lock cam (arm) lines up with the sides of the ute liner. Open lid to install lock bracket. Position lock bracket and using a 2 mm diameter drill bit set to 5 mm drill stop to drill a pilot hole in each vertical slot of the bracket. Ensure that there is allowance for up and down adjustment of the bracket. Fasten bracket with self-drilling screws (supplied) ensuring thread installs into metal of Ute rail, again allowing for up and down adjustment. **Refer to Fig. 11**

13. Close the lid and try the locks. You may need to adjust the lock brackets on the Ute tub up or down. When correctly adjusted, you should need to apply **slight** pressure to the lid in order to operate the locks. **Refer to Fig. 12 and 12A**

Important:



Excess tension could damage the lock

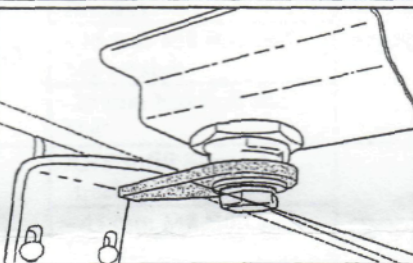


Fig.12A

14. Lift up the lid and remove the protective tape from the arrow position. **Refer to Fig. 13.** Repeat process on other side. **Never use a sharp object** to help to remove the protective tape. The moulded insert may require cleaning after the protective tape has been removed. Use polish as per new paint on a new vehicle.

15. Remove the remaining protective plastic film from the lid (see paint care instructions).

Your Ute should now look fantastic with its new lid fitted. Remember, when removing and re-fitting your lid ensure that the hinges are fully engaged to avoid damaging or bending them and follow "Important !" instructions on page 8.

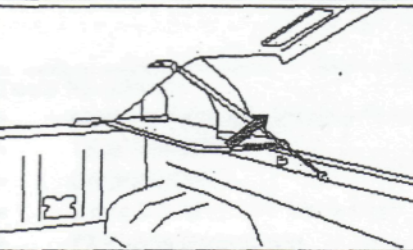


Fig.13

16. **Maintenance:** Check tightness of brackets regularly. Lubricate locks monthly with graphite.

Important:



NEVER DRIVE WITH LID OPENED OR IN AN UNLOCKED POSITION

PAINT CARE INSTRUCTIONS:

YOUR NEW PAINTED HARD TONNEAU COVER HAS BEEN COVERED WITH A PLASTIC FILM TO PROTECT THE PAINT FROM DAMAGE. IT WILL REQUIRE CLEANING AND POSSIBLY LIGHT POLISHING AFTER THE PROTECTIVE FILM HAS BEEN REMOVED. USE POLISH AS PER NEW PAINT ON A NEW VEHICLE. WASH LID USING WATER AND NORMAL CARWASH DETERGENT AND POLISH WITH AN AUTOMOTIVE POLISH.