



PARTS, SERVICE & ACCESSORIES

FORTUNER

PRODUCTION DATE: AUGUST 2015 ONWARDS

FITTING INSTRUCTIONS FOR:
ACCESSORY PART NUMBER: (AUS) PZQ6489165 &
(NZ) PZQ6489166 TOWBAR

PLACE THESE INSTRUCTIONS IN VEHICLE GLOVEBOX AFTER INSTALLATION IS COMPLETE

 **CAUTION**

This kit weighs in excess of 15kg.
Seek help to lift if required.

CARE INSTRUCTIONS

Wash with regular car wash products.
Regularly check bolt torque settings.


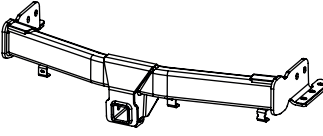
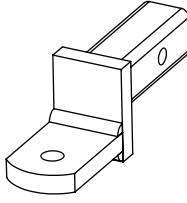
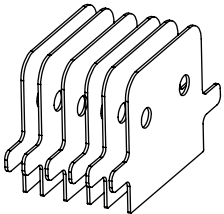
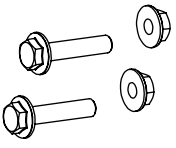
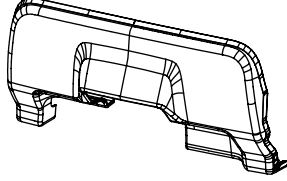

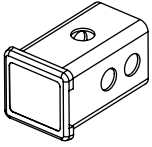
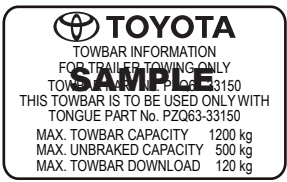
INSTALLATION TIME

Approximately 60 minutes
(guide only).

 **CAUTION**

Ensure correct tools & appropriate
PPE are used whilst installing this
accessory


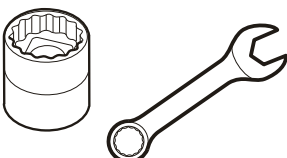
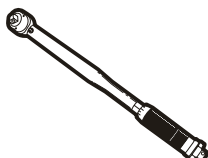
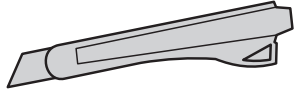

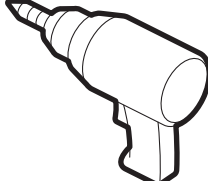
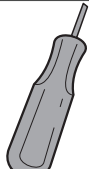
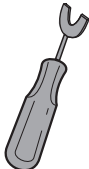
KIT CONTENTS

<p>1 Fitting Instructions</p>  <p>x1</p>	<p>2 Tow Bar</p>  <p>x1</p>	<p>3 Tongue</p>  <p>x1</p>	<p>4 Shim</p>  <p>x6</p>
<p>5 Towbar Fasteners</p>  <p>REFER PARTS LIST</p>	<p>6 Garnish</p>  <p>x1</p>	<p>7 Garnish Fasteners</p>  <p>REFER PARTS LIST</p>	<p>8 Hitchbox Insert</p>  <p>x1</p>
<p>9 Load rating label</p>  <p>x1</p>			

! CHECK THAT THE CONTENTS OF THE TOW BAR KIT ARE COMPLETE & UNDAMAGED PRIOR TO FITMENT.

! IF ANY CONTENTS OF THE TOW BAR KIT ARE INCOMPLETE OR DAMAGED THEY MUST BE REPLACED USING SPECIFIED ACCESSORY COMPONENTS.

TOOLS REQUIRED

<p>1 Protective tape</p> 	<p>2 Metric sockets & spanners</p> 	<p>3 Torque wrench</p> 	<p>4 Sharp knife</p> 
<p>5 Jigsaw</p> 	<p>6 Drill</p> 	<p>7 Phillips head screwdriver</p> 	<p>8 Body Clip Tool</p> 

CAUTION

This tow bar is to be used for trailer towing only.

PARTS LIST

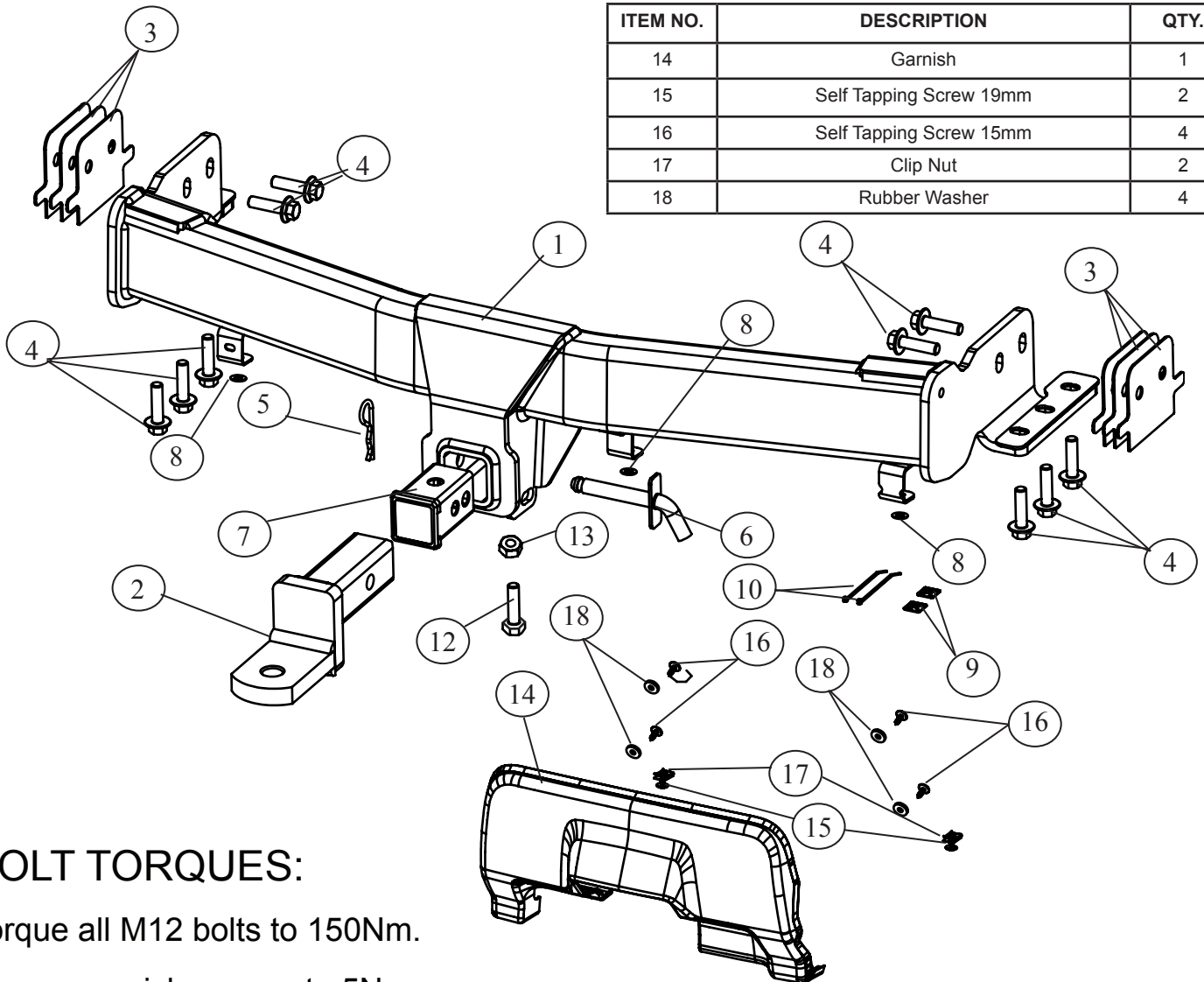
Check contents of kit before commencing & report any discrepancies.

TOWBAR CONTENTS

ITEM NO.	DESCRIPTION	QTY.
1	Towbar Assembly	1
2	Tongue Assembly	1
3	Towbar Shim	6
4	Flange Bolt M12x45x1.25	10
5	R Clip	1
6	Pull Pin	1
7	Hitch Box Insert	1
8	Flat Washer	3
9	Adhesive Cable Tie Pad	2
10	Cable Tie	2
11	Door Rating Label (not shown)	1
12	Hex Bolt M14x35x2.0	1
13	Hex Nut M14x2.0	1

GARNISH CONTENTS

ITEM NO.	DESCRIPTION	QTY.
14	Garnish	1
15	Self Tapping Screw 19mm	2
16	Self Tapping Screw 15mm	4
17	Clip Nut	2
18	Rubber Washer	4



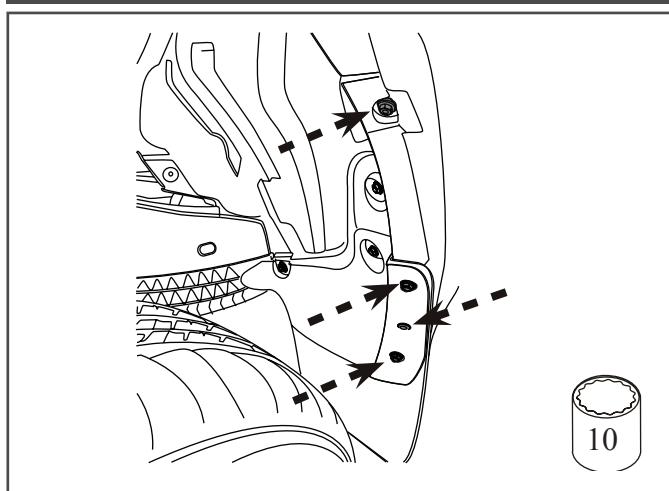
BOLT TORQUES:

Torque all M12 bolts to 150Nm.

Torque garnish screws to 5Nm

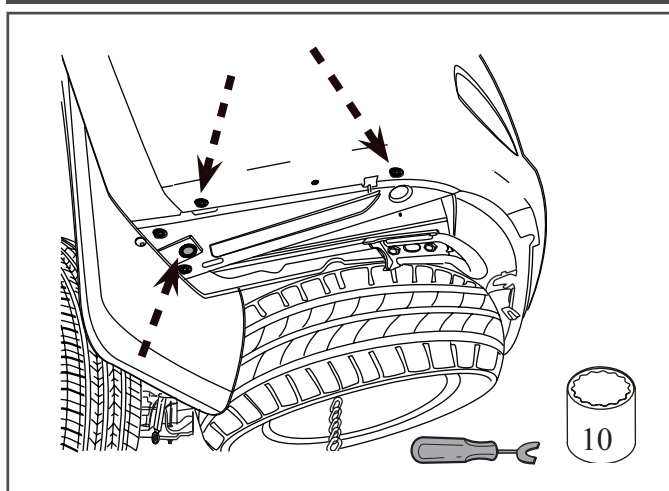
Torque tolerance +/-13%

STEP 1



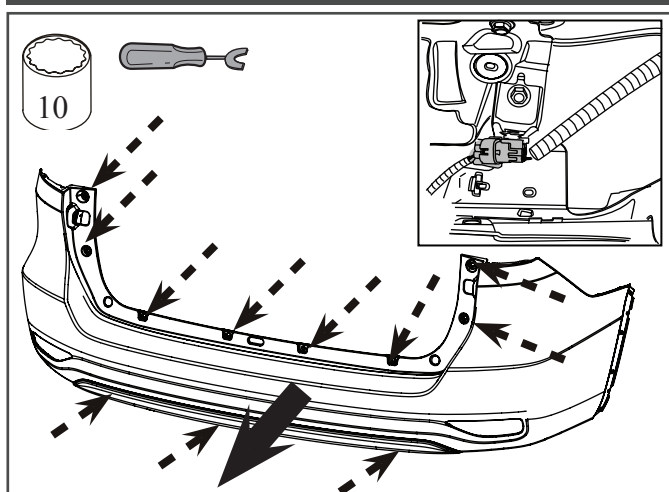
- Check Kit Contents
- Remove 3 screws & 1 scrivet from LH rear wheel arch.
- Repeat for RH side.

STEP 2



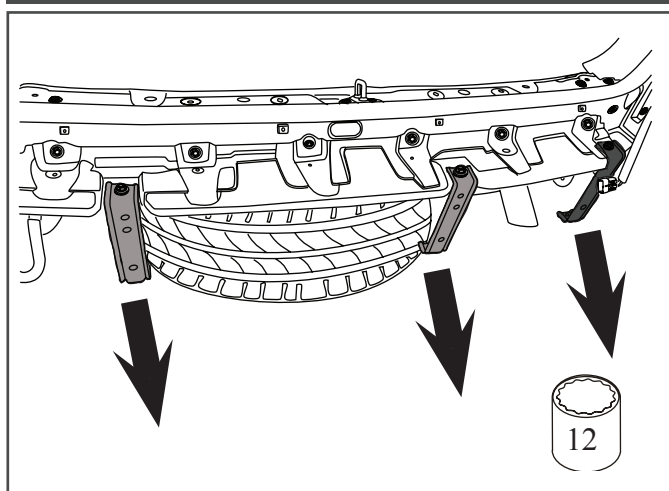
- Remove 2 screws and 1 scrivet from under LH rear corner of rear bumper.
- Repeat for RH side.

STEP 3



- Remove 8 screws at upper edge of rear bumper inside rear door.
- Remove 3 scrivets from lower edge of bumper.
- If rear park assist is fitted, carefully remove the rear bumper a small distance and disconnect the rear park assist loom plug on RH side of vehicle.
- Remove rear bumper.

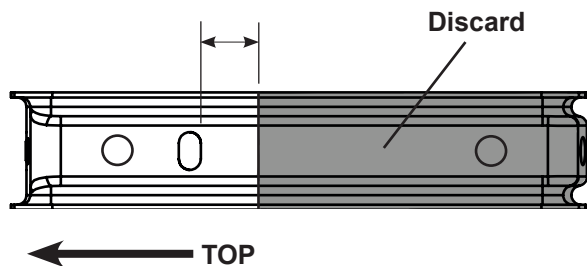
STEP 4



- If Rear Park Assist is fitted, unclip the rear park assist body loom from RH bumper support bracket.
- Remove 3x bumper support brackets & bolts.
- Discard 2 brackets & 2 bolts, retain 1 bracket & bolt.

STEP 5

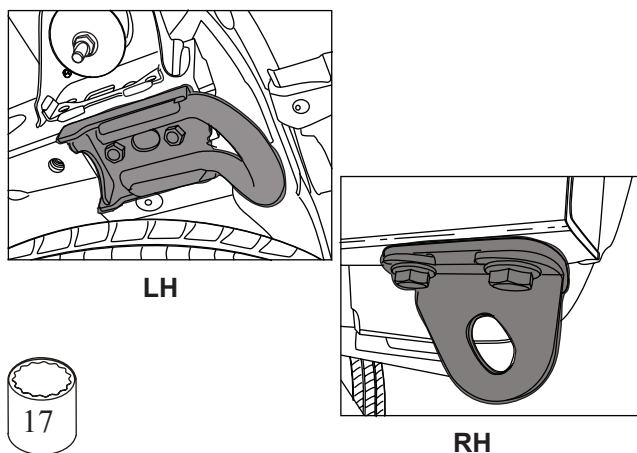
Cut 30mm below slot



If vehicles is fitted with rear park assist:
-Cut third bracket per image. Seal unpainted surface.

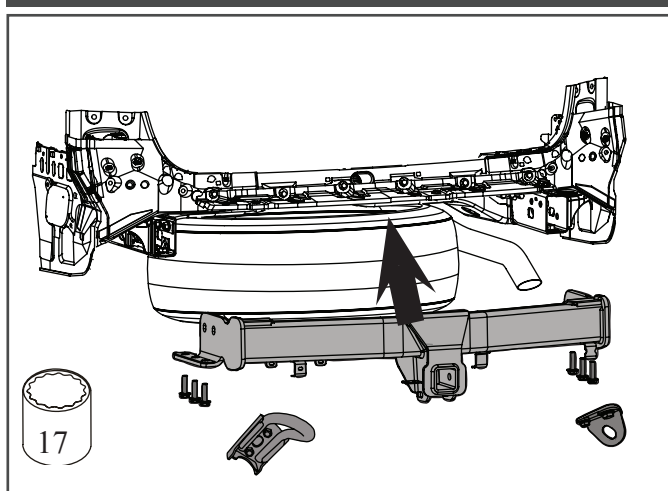
STEP 6

-Remove LH & RH towhooks & retain. Discard fasteners.



STEP 7

-Lift Towbar into position and loosely assemble with 6x M12x45 flange bolts (item 4) in vertical locations.
-Reassemble LH & RH tie down hook under rear most towbar bolts.

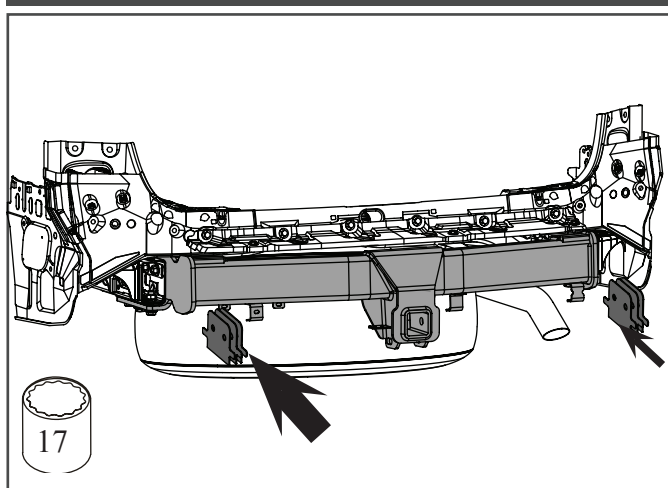


STEP 8

-Confirm horizontal clearance between towbar & chassis and select appropriate number of shims (item 3). Ensure the same number of shims are used on LH & RH sides. Secure towbar & shims with 4x M12x45 flanged bolts (item 4) in horizontal locations.

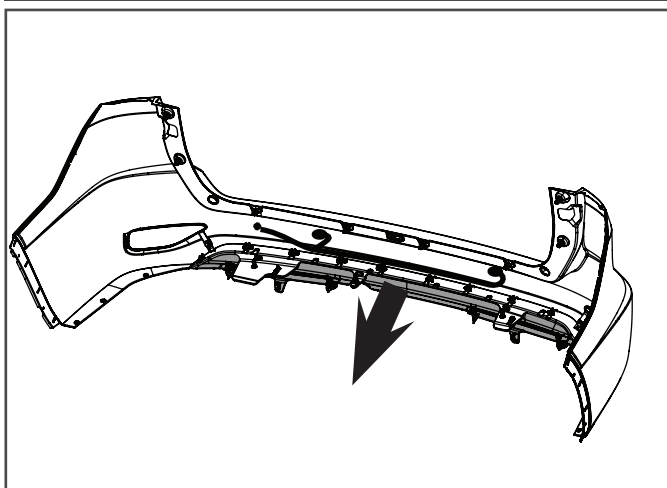
Move towbar rearward as far as adjustment will allow to ensure a gap is present between towbar and spare wheel.

-Torque all vertical bolts first.
-Torque all horizontal bolts.



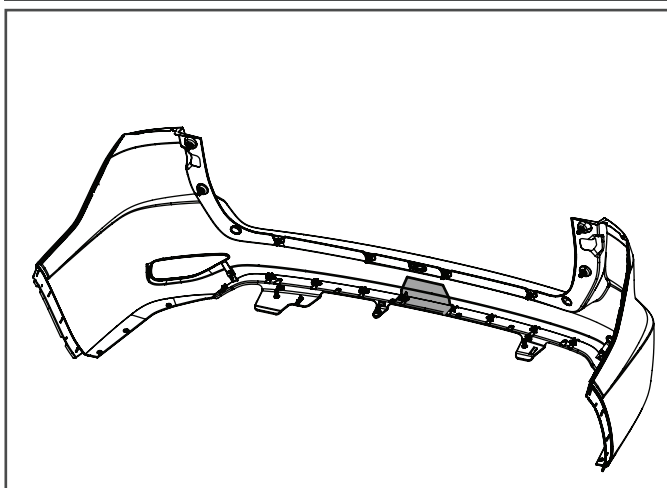
Important: Ensure a gap is present between towbar and spare wheel.

STEP 9



- Un-clip lower portion of rear bumper.
- If rear park assist is fitted, unclip rear park assist loom, but leave park sensors in place.

STEP 10



- Use cut template from page 9 on inside surface of upper portion of bumper to drill & cut bumper.

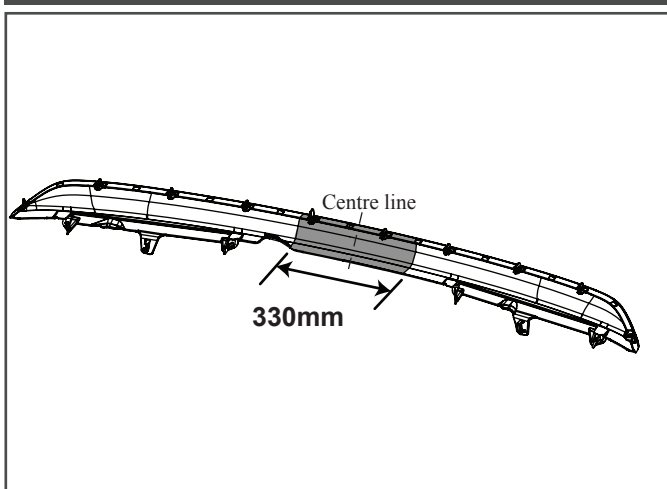


IMPORTANT: Drill 5mm garnish mount holes shown on cut template before performing bumper cutout



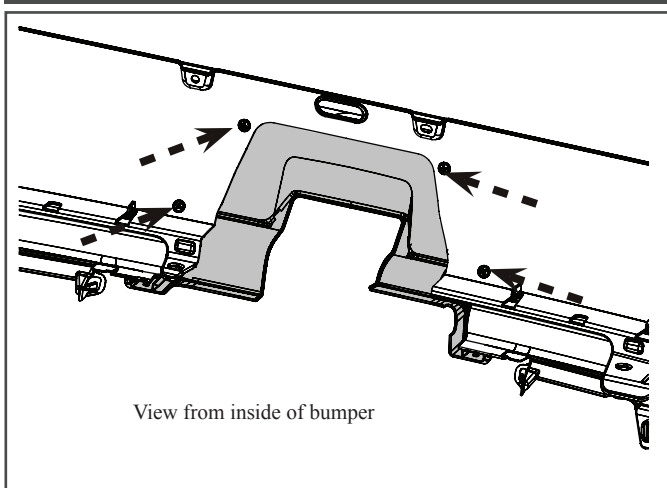
CAUTION: If rear park assist is fitted ensure loom is safely away from cut area to avoid damage.

STEP 11



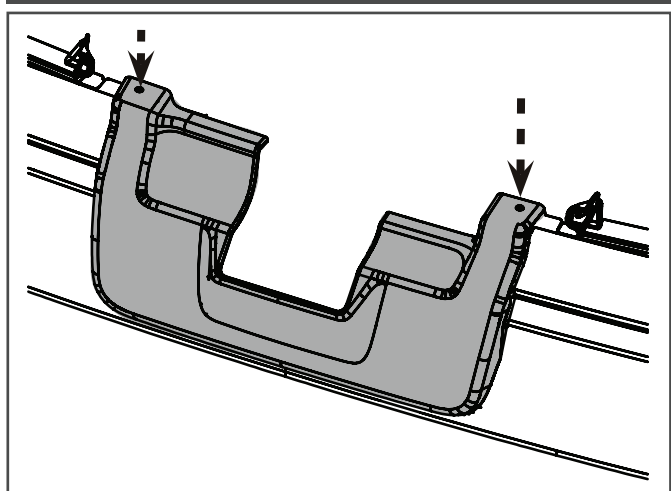
- Sit lower portion of bumper in place on cut upper portion.
- Mark lower bumper portion based on 250mm wide cut width of upper portion. Use these marks to work out centreline of lower bumper portion.
- Cut lower portion of garnish into 3 pieces per image. Discard centre piece.
- Re-install outer pieces of lower portion of bumper using original clips.

STEP 12



- Attach garnish (item 14) to outside of upper portion of bumper with 4x screws (item 16) and 4x rubber washers (item 18) installed from the inside bumper surface.
- Lightly tighten screws

STEP 13



-Using a 4mm drill bit, drill 2 garnish mount holes in lower bumper portion using the garnish as a drill template.

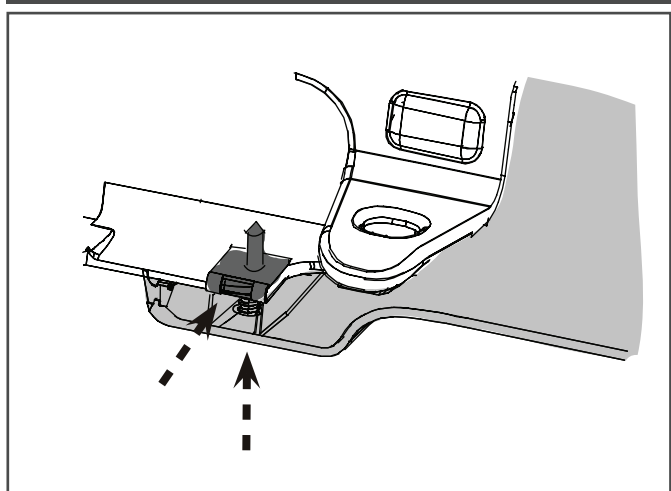


NOTE: Be sure to hold garnish in correct position relative to bumper when drilling holes.



CAUTION: Be careful not to damage the garnish when drilling.

STEP 14

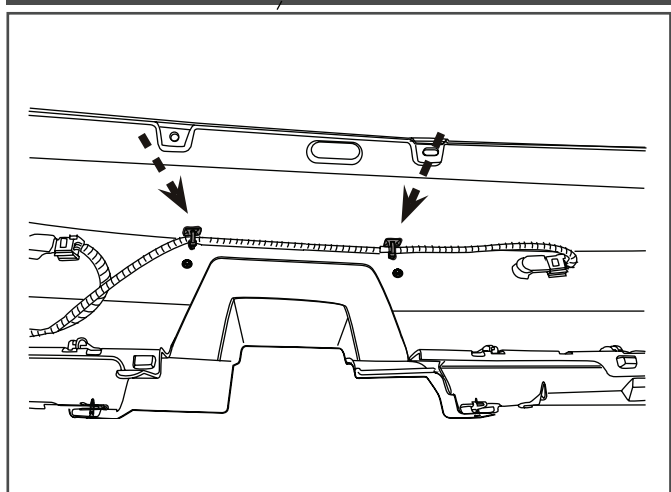


-Install 2x U-nuts (item 17) onto lower portion of bumper, over drilled holes.

-Secure garnish to lower portion of bumper with 2x screws (item 15).

-Torque all garnish screws.

STEP 15



-If vehicle is fitted with rear park assist, reinstall the rear park assist loom per image, using 2x cable ties (item 10) and 2x adhesive cable tie mounts (item 9). Ensure to:

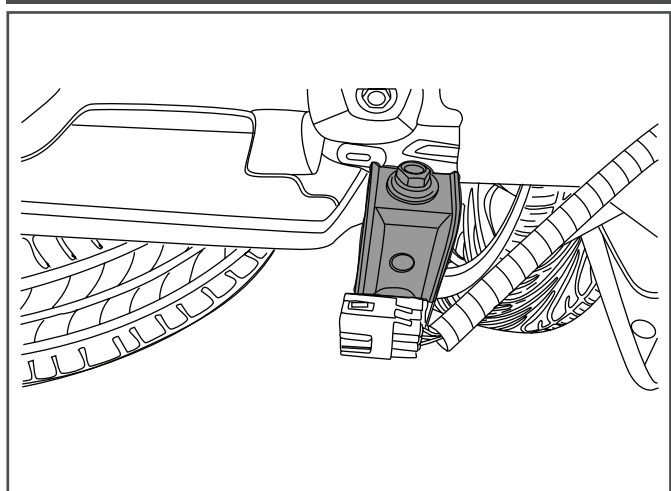
-Clean surface with prepsol before applying cable tie mounts.

-Align cable tie mounts above garnish screw locations.

-Press and hold cable tie mounts in place for several seconds to ensure proper adhesion.

-Remove factory loom clip located between cable tie mounts.

STEP 16



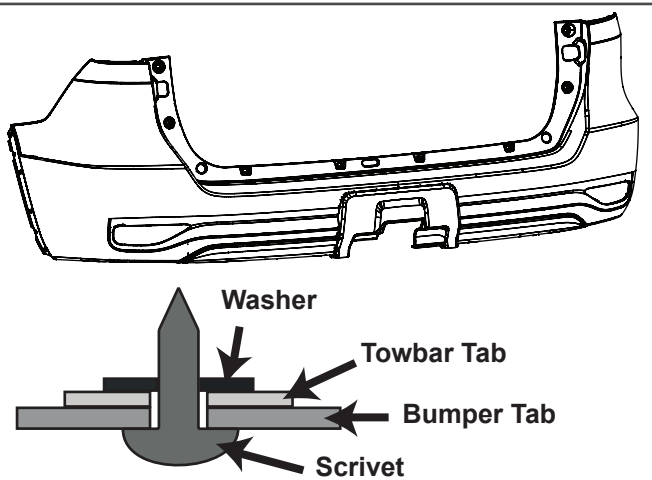
If vehicle is fitted with rear park assist:

-Reinstall cut bumper support bracket from step 5 in RH most position.

-Reconnect rear park assist body loom to bumper support bracket.

STEP 17

- Reinstall bumper by reversing steps 1 to 3.
- If vehicle is fitted with rear park assist, ensure to reconnect the loom.
- When reinstalling the 3 scrivets on rear lower edge of bumper, use 3x washers (item 8) per image.



STEP 18

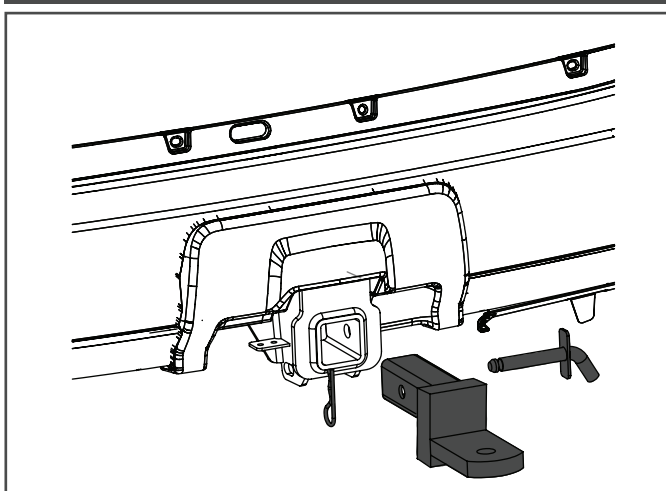
- Install tongue (item 2) with pull pin (item 6) and R-clip (item 5).



NOTE: Pull pin to be installed from RH side to avoid fouling with trailer wiring harness plugs.



CAUTION: When not towing, the tongue must be removed and stored safely. Toyota recommends that the tongue not be stored in the ve-

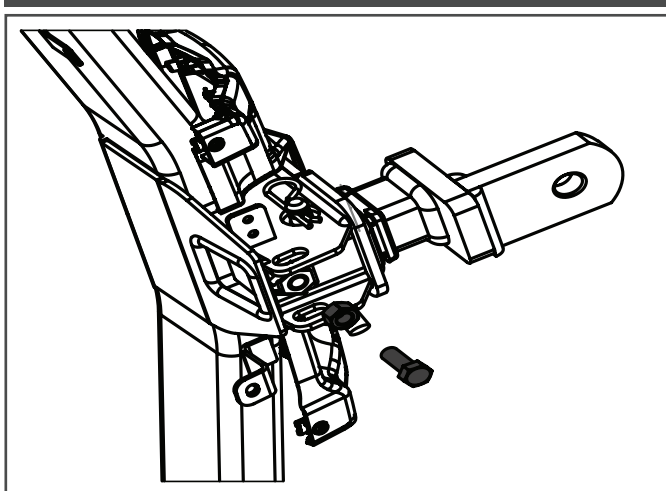


STEP 19

- An anti-rattle bolt and nut are provided to assist with noise associated with tongue free play. To utilise this feature loosely install the M14 x 35mm bolt (item 12) and M14 nut (item 13) into the weld nut on the bottom of the hitchbox, as shown.
- To lock the tongue in position tighten the bolt to a maximum torque of 160Nm.
- Lock the bolt in position by tightening the nut.
- To remove the tongue, loosen the anti-rattle bolt & nut first.

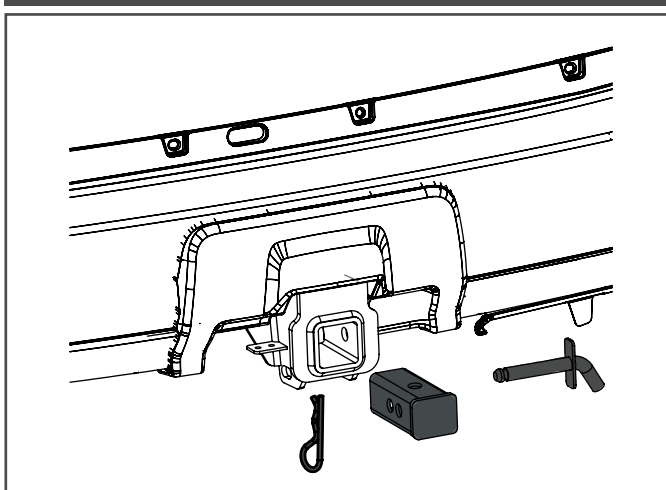


IMPORTANT: Anti-rattle bolt and Nut should only be used when not towing to remove free play and rattle.



STEP 20

- When tongue is removed install hitchbox insert (item 7) with pull pin (item 6) and R-clip (item 5).



-Affix the load rating label (item 11) to the inside of the driver's side door.

