



INSTALLATION INSTRUCTIONS (K431)

SPORTLID FOR TANGO

SMOOTH PREMIUM

Ford Ranger D/C, 2011+

IMPORTANT

- Vehicle bodies and vehicle specific installation can vary, so please read the following instructions as they refer to important information which could affect the quality of the final installation.
- It is strongly advisable that the **SPORTLID** installation is performed by an authorised dealer.
- Screw torques must be adhered to, otherwise the warranty may become void.
- If a **Bedliner** or a **SPORTGUARD** are fitted there may be some additional trimming required.
- Recommended installation by 2 people.

Use appropriate safety equipment when fitting the *SPORTLID*.

Protective eyewear



Hearing protection



Warranty

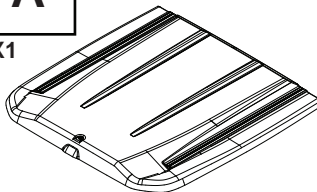
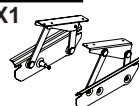
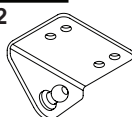
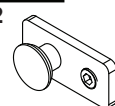


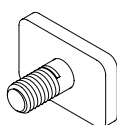


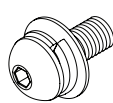

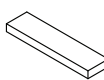

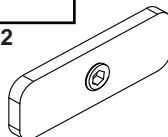
- For warranty information please see your authorised dealer.

TOOLS REQUIRED

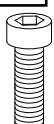


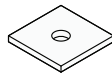



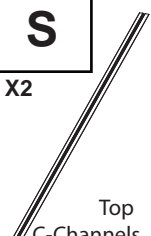


- Hex keys 3, 4, 5, 6mm
- 8,10mm spanners
- Drill and drill bits 10, 14mm
- 150mm ruler
- 1/4 inch Torque wrench 0-10Nm
- 1/4 inch Hex key sockets 3, 4, 5, 6mm
- Silicone caulking gun
- Neutral cure non-acetic silicone
- Side cutters
- Cleaning cloths/rags
- Phillips head screw driver

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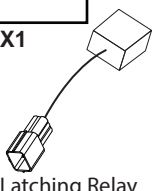
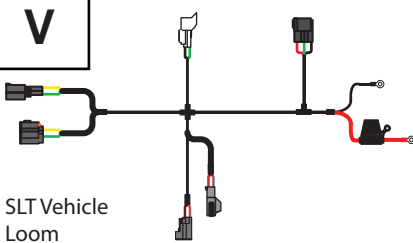

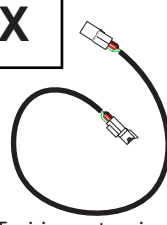

SPORTLID FOR TANGO PARTS

<div><div>A</div><div>X1</div><div></div></div>	<div><div>B</div><div>X1</div><div></div><div>L & R Hinges</div></div>	<div><div>C</div><div>X2</div><div></div><div>Top strut Mount</div></div>	<div><div>D</div><div>X2</div><div></div><div>Locator</div></div>	<div><div>JJ</div><div>X2</div><div></div><div>M8 Washer</div></div>	<div><div>KK</div><div>X2</div><div></div><div>M8 Spring Washer</div></div>		
<div><div>E</div><div>X2</div><div></div><div>M8 Slide Bolt</div></div>	<div><div>F</div><div>X4</div><div></div><div>M8 Wing Nut</div></div>	<div><div>G</div><div>X1</div><div></div><div>Latch Pin</div></div>	<div><div>H</div><div>X12</div><div></div><div>M6 Button Hex with Washers</div></div>	<div><div>I</div><div>X2</div><div></div><div>415mm 300Nm</div></div>	<div><div>J</div><div>X2</div><div></div><div>60x15mm Foam Blocks</div></div>	<div><div>K</div><div>X1</div><div></div><div>Sportlid Badge</div></div>	<div><div>LL</div><div>X2</div><div></div><div>Safety Stop</div></div>

C CHANNEL PARTS

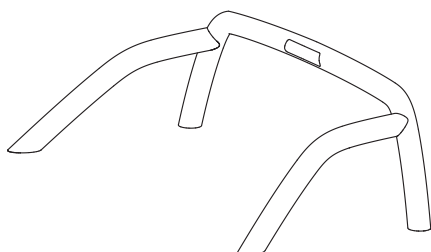
L X4  M5x30mm Socket Hex	M X6  M5x22mm Socket Hex	N X10  M5x1.6mm Nylon Washer	O X10  25x25mm Channel Seal	P X6  8mm Spacer	Q X4  M5 Dome Nut	R X4  M5 Spring Washer	S X2  Top C-Channels	CC X4  9mm ID Ring 9mm Spacer	DD X4  M10x1.6mm SS Washer
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WIRING PARTS

T X4  Cable Tie 610mm	U X1  Latching Relay	V X1  SLT Vehicle Loom	W X4  Cable Tie 165mm	X X1  SLT wiring extension	Y X1  Ad-Blue Adaptor
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SPORTLID FOR TANGO

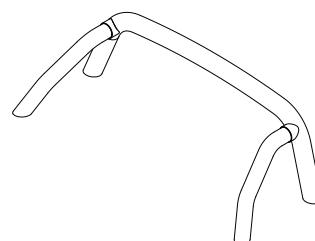
Can be fitted with the Ford OEM Sportbar.



After step 40 see fitting instructions K314.
Once Sportbar is fitted proceed with step 50.

SPORTLID FOR TANGO

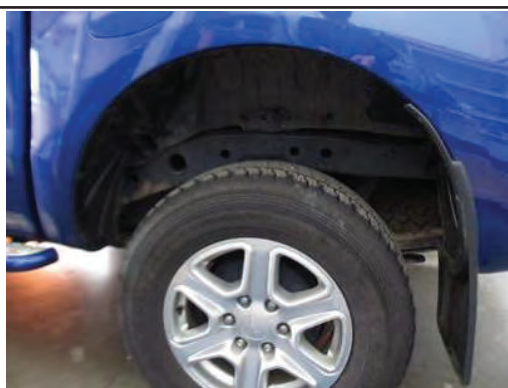
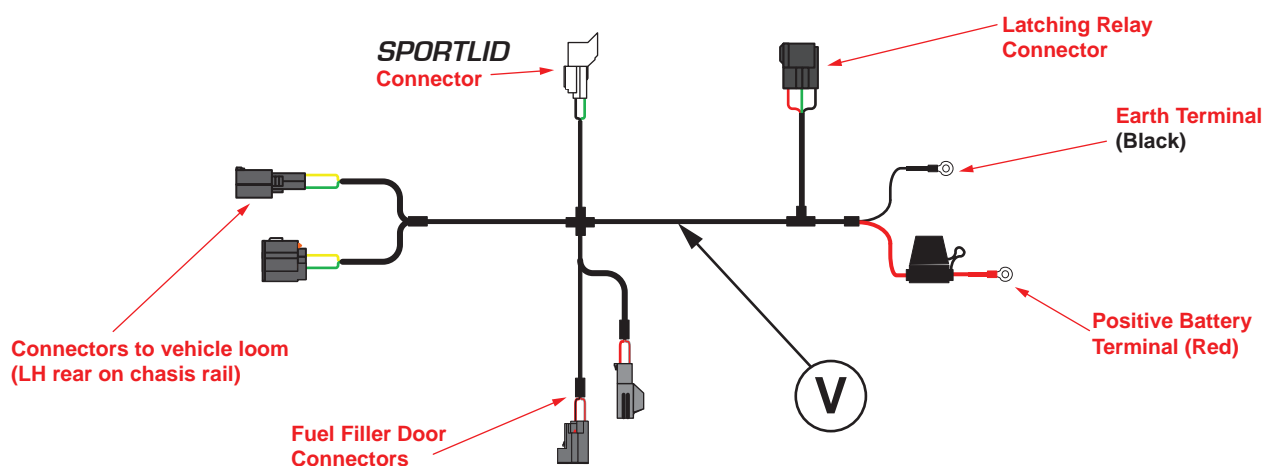
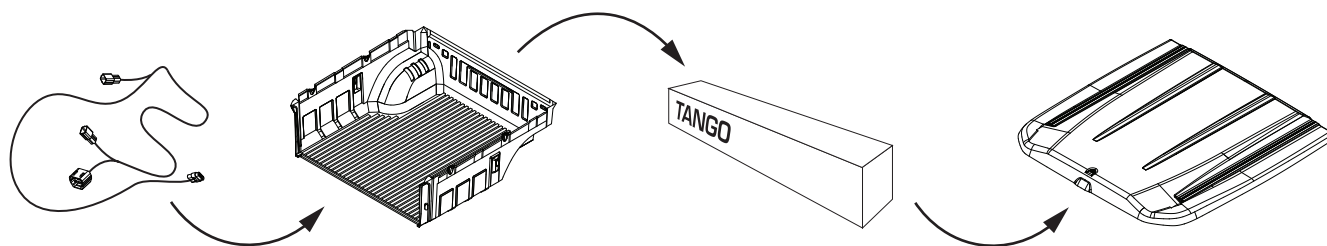
Can be fitted with the Proform **SPORTBAR**.



See steps 41 to 49 for fitting instructions.

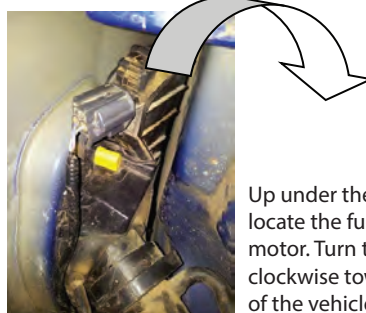
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- When fitting your **SPORTLID** for **TANGO** ensure vehicle loom is fitted first.
- If a **BEDLINER** or **SPORTGUARD** is prefitted please remove tailgate only before fitment begins.
- When refitting **BEDLINER** or **SPORTGUARD** tailgate refer to **TANGO** fitting kit K439 before refitment as additional trimming is required.



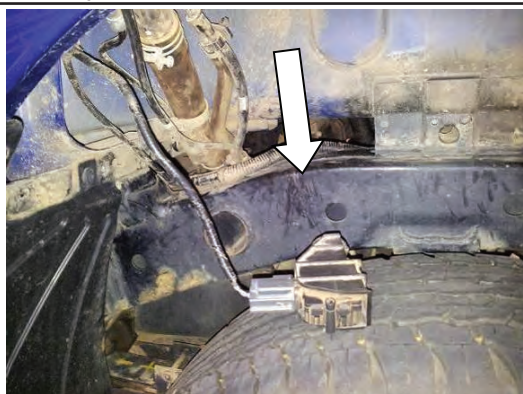
1

Remove 9 scrivets holding the LH wheel arch liner on the vehicle tub, and remove the wheel arch liner.



2

Up under the LH wheel arch locate the fuel filler door actuator motor. Turn the motor housing clockwise towards the outer skin of the vehicle's tub to unclip it.

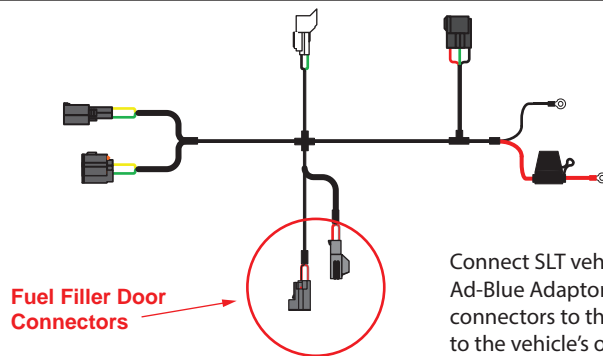


3

Lower the fuel filler door actuator motor down onto the top of tyre. Disconnect it's connector.

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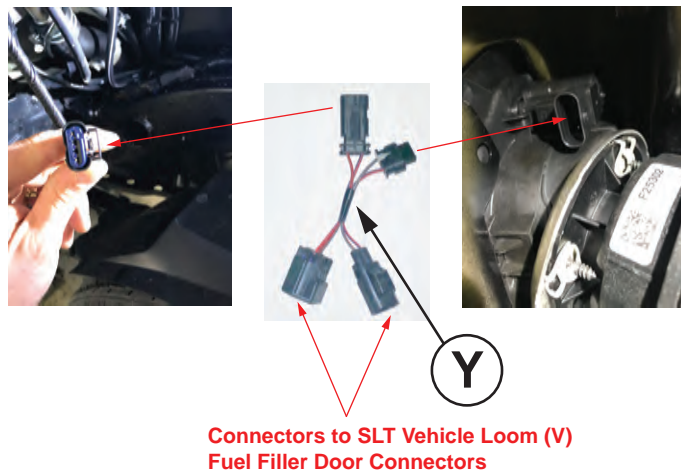
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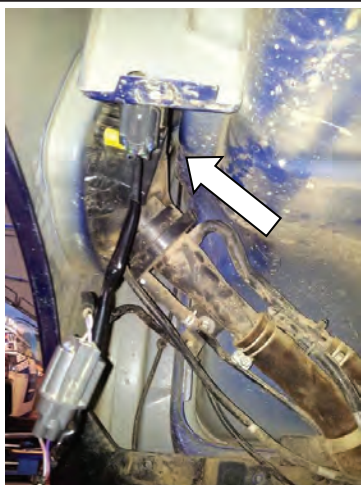
Connect SLT vehicle wiring loom female connector to the fuel filler door actuator and connect the male connector to the vehicle's original connector.



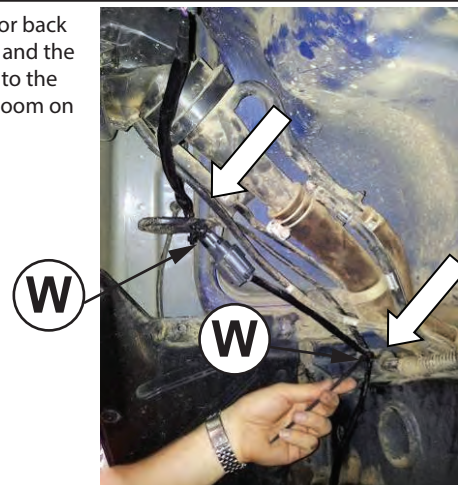
Required for Ad-Blue vehicles only



Reconnect the fuel filler door actuator motor back into its original position by turning it in anti-clockwise.



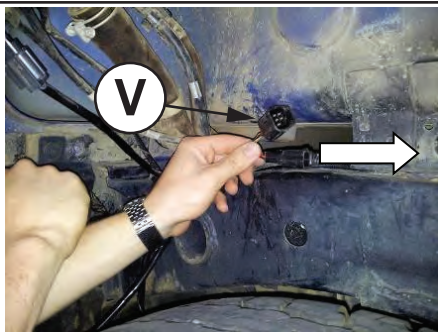
Cable tie the connector back inside the wheel arch and the SLT wiring loom back to the vehicles main wiring loom on top of the chassis rail.



5

6

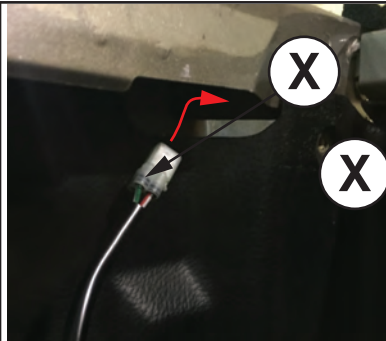
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Using the connectors at the rear end for the SLT vehicle wiring loom, thread these in over the top of the vehicle's LH chassis rail and towards the back of the vehicle.

7

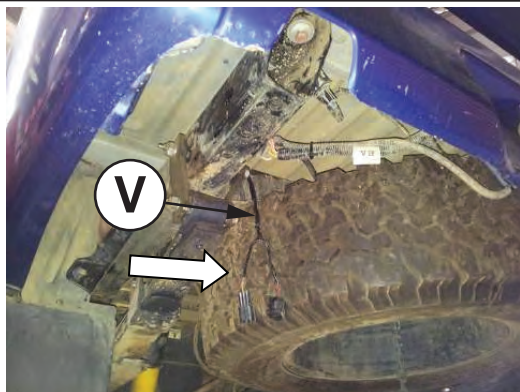
Ensure the small white connector stays forwards of this bracket on the vehicle in the wheel arch area.



Thread the male connector on the SLT wiring extension down the gap at the front left side of the tub.

8

Then under the wheel arch connect the male end with the female connector found on the SLT vehicle wiring loom.



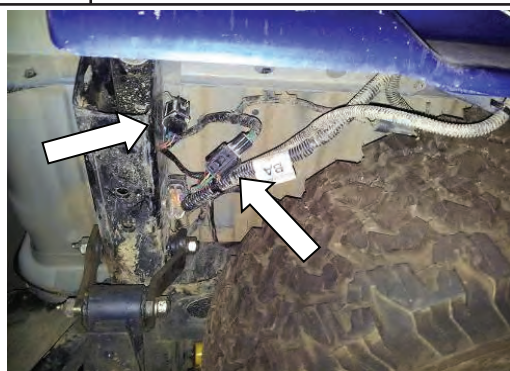
9

It is now best to fit the SLT vehicle wiring loom with the vehicle on a hoist. Bring the rear connectors of the SLT vehicle wiring loom to the LH rear underside of the vehicle's tub.



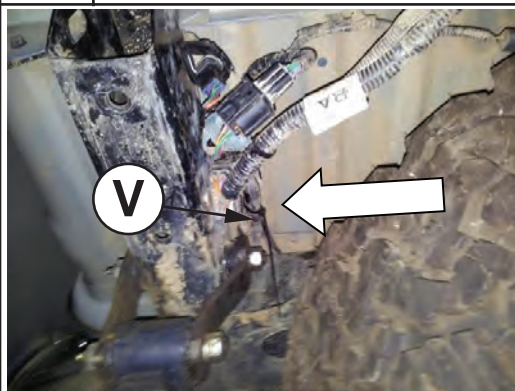
10

Disconnect the vehicle's wiring harness connector as shown on the inside of the rear LH chassis rail.



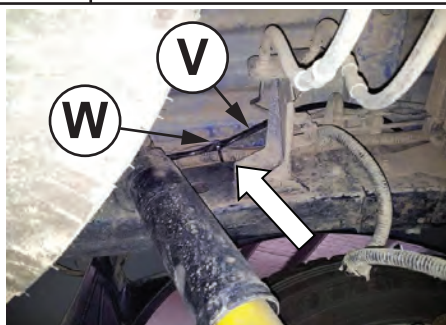
11

Connect the SLT vehicle wiring loom's male connector into the removed vehicle loom's connector. Connect the female connector to the vehicle's wiring harness.



12

Cable tie the SLT vehicle wiring loom to the vehicle's wiring loom as shown.



Forward of the spare wheel, cable tie the SLT vehicle wiring loom on top of the chassis rail.

13

IMPORTANT. Ensure vehicle wiring is placed away from exhaust system and is not cabled to brake lines, fuel lines or moving components or between flexible mounts.



14

Prepare the front battery terminal end of the SLT vehicle wiring loom as shown opposite, to tape the eyelet terminals down, this is to aid with threading through the SLT vehicle wiring loom to the front of the vehicle.

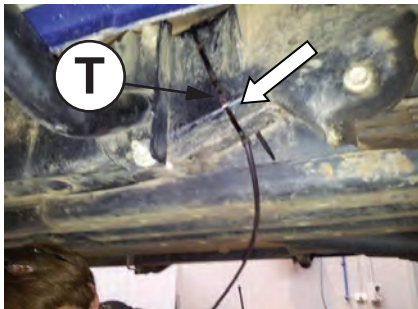
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15 Thread the battery terminal end of the SLT vehicle wiring loom towards the front of the vehicle, along the top of the LH chassis rail via the LH wheel arch.

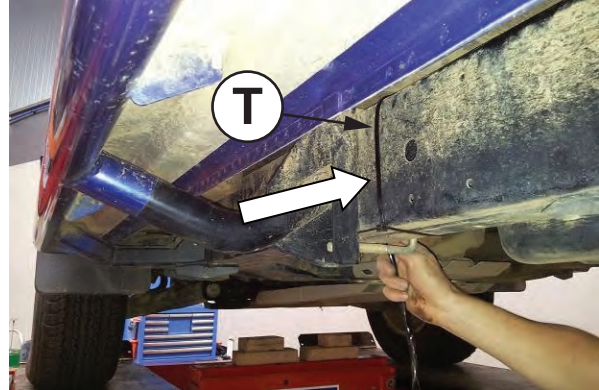


16 Pull the SLT vehicle wiring loom through and above the fuel tank then along the top of the LH chassis rail.

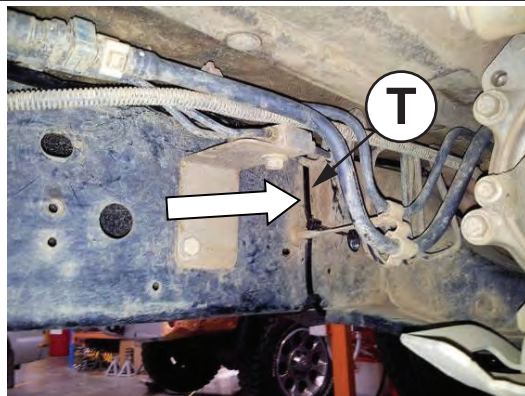


Secure the SLT vehicle wiring loom with a cable tie to the top of the LH chassis just forward of the fuel tank.

17 **IMPORTANT.** Ensure SLT vehicle wiring loom is placed away from exhaust system and is not cable tied to brake lines, fuel lines or moving components or between flexible mounts.



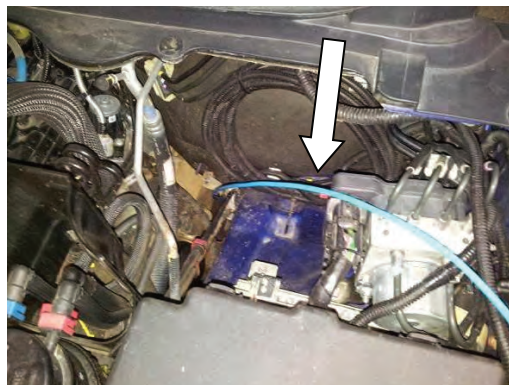
18 Secure the SLT vehicle wiring loom with a cable tie to the top of the LH chassis rail at the mid-point.



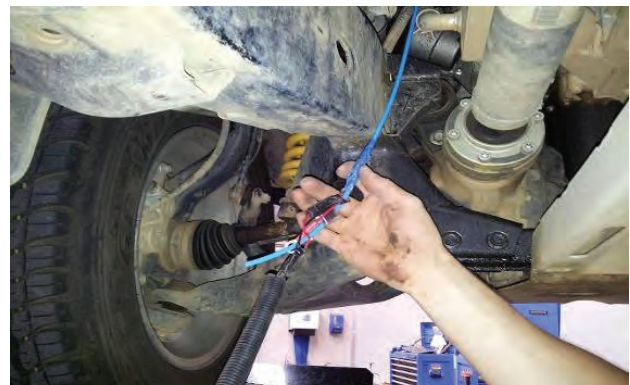
19 Adjacent to the transmission, cable tie the SLT vehicle wiring loom above the LH chassis rail.



20 Open the bonnet, feed a plastic coated draw wire down inside next to the LH side fire wall.



21 The position of the draw wire should be away from moving parts and underneath any fuel lines, brake lines, air conditioning pipes.



22 Underneath the vehicle, connect the battery terminal end of the SLT vehicle wiring loom to the draw wire.

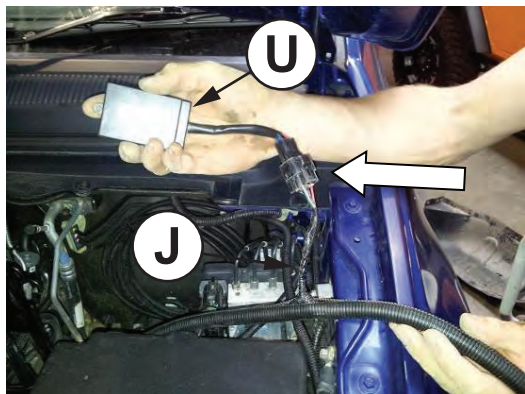
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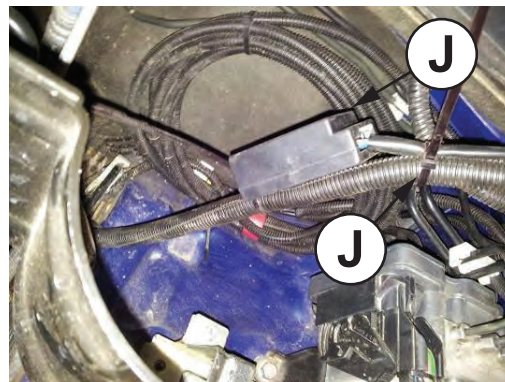
23 Forward of the chassis cross member add a cable tie to hold the loom in place on top of the chassis rail before the loom enters the engine bay.



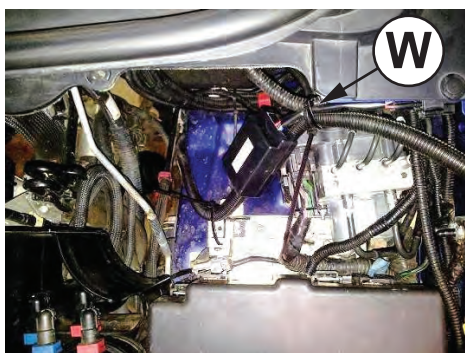
24 Pull the SLT vehicle wiring loom up into the engine bay.



25 Connect the latching relay to the connector on the SLT vehicle wiring loom.



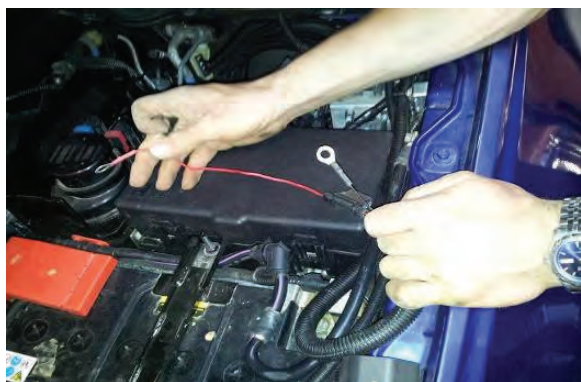
26 Cable tie the latching relay to the SLT vehicle wiring loom, above and below the latching relay to secure it.



27 Cable tie the SLT vehicle wiring loom and latching relay to the vehicle's wiring conduit, this is found on the LH inner fire wall below the windscreen wiper water deflector moulding.



28 Remove the draw wire from the SLT vehicle wiring loom and tuck the loom next to the fuse box under the other cable conduits.



29 Unravel the previously taped up eyelet battery terminal end of the wiring harness.

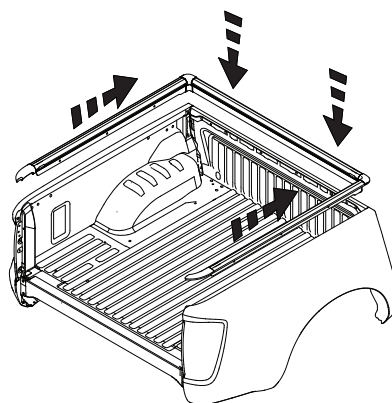
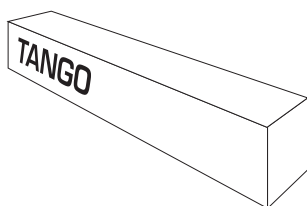


30 Using a 10mm socket drive, connect the red wire to the positive terminal on the battery and the black wire to the negative terminal earthed to the car.

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Loom fitment now complete.

Fit Ford Ranger **TANGO**.

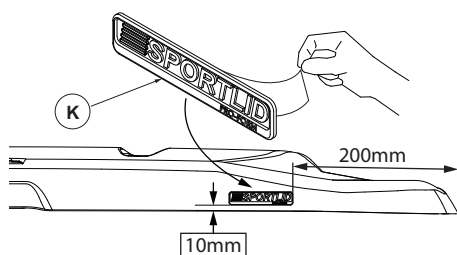


31

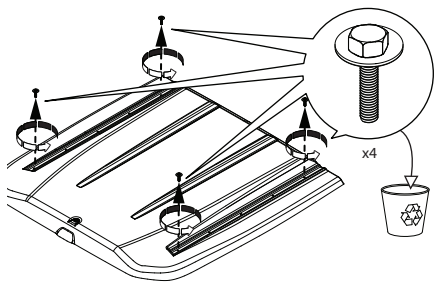
See Fitting kit K439 to fit,
supplied in **TANGO** box.

After paint process is complete continue with Step 32

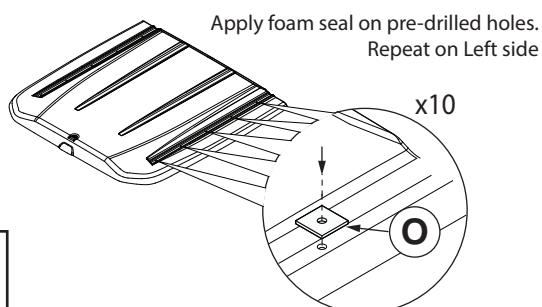
32



33



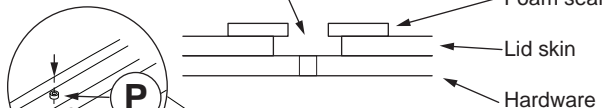
34



Step 1

Apply Non-Acetic Silicone
to pre-drilled holes to prevent
water penetration.

Fill up the empty space
with silicone.



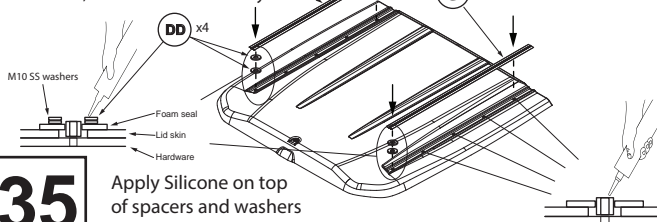
Step 2

Use 9mm spacer
on each end of the
channel, use 8mm spacer
in the middle.
Repeat on the otherside



Step 3

Place 2 x M10 SS washers
over the 9mm spacer on
each side, in the circled area only.

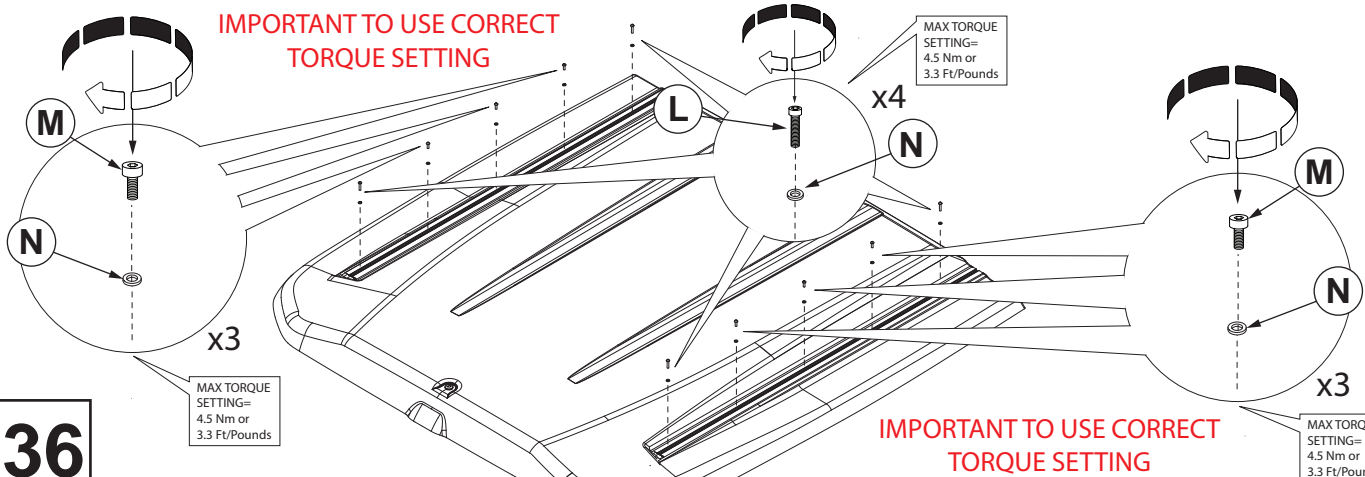


35

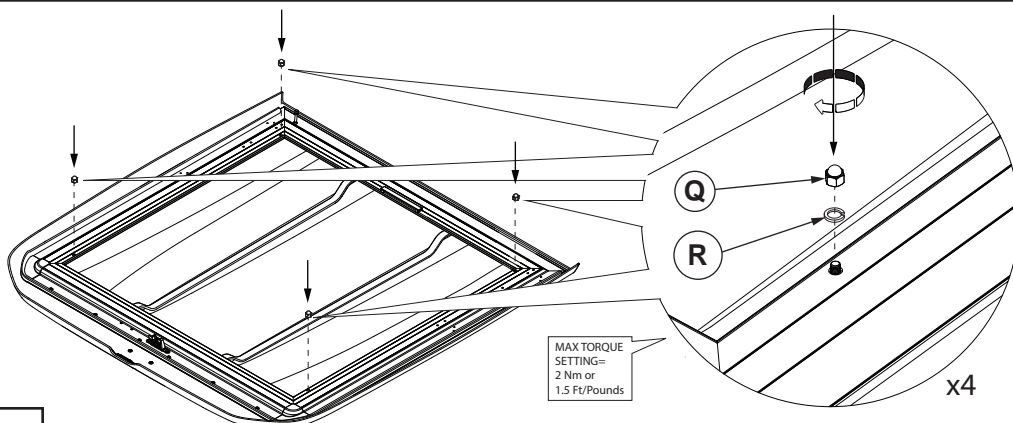
Apply Silicone on top
of spacers and washers
to prevent water penetration.

36

**IMPORTANT TO USE CORRECT
TORQUE SETTING**

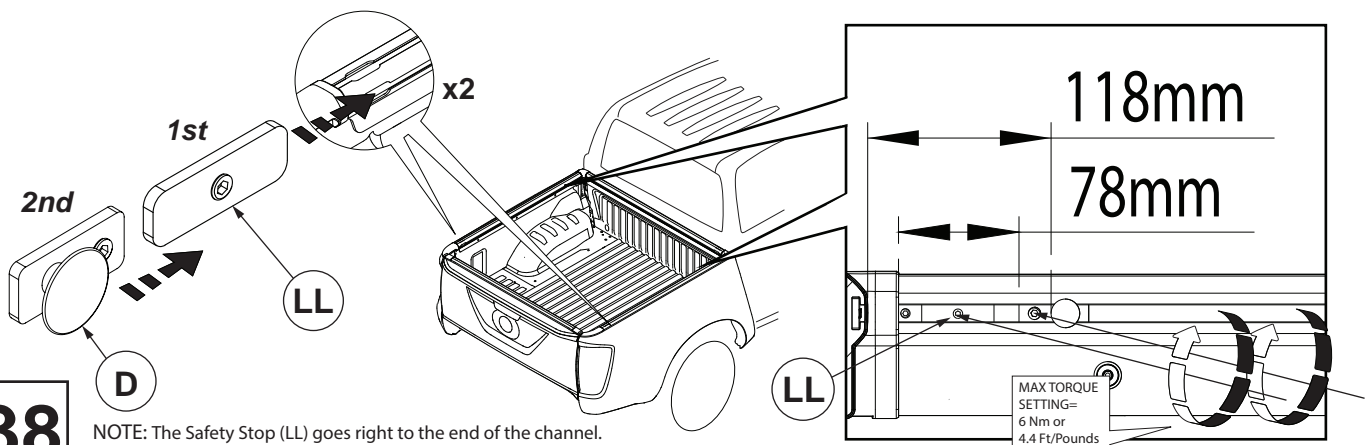


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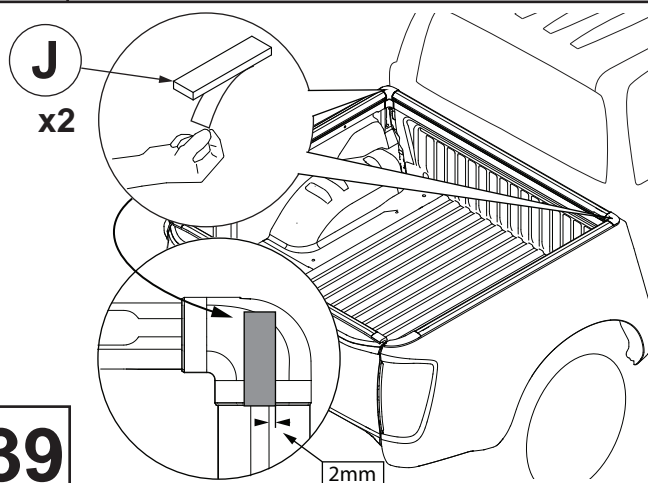
37

Note: Using a 8mm spanner, lightly hand tight. Tighten until spring washer is compressed.
DO NOT OVER TIGHTEN AS THIS WILL CAUSE DEFORMATION IN THE FRAME.

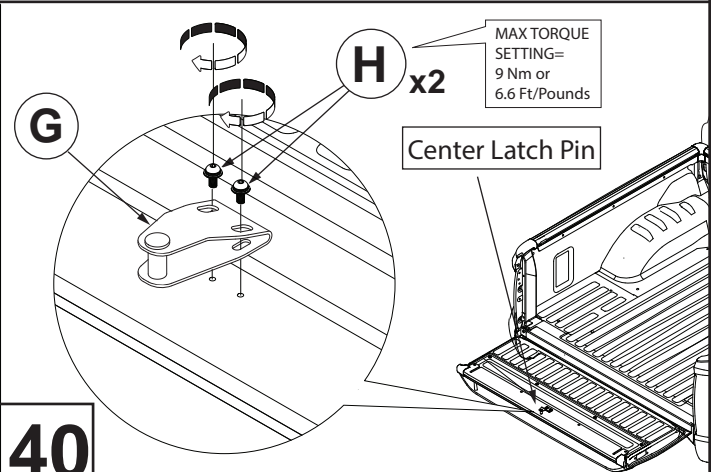


38

NOTE: The Safety Stop (LL) goes right to the end of the channel.

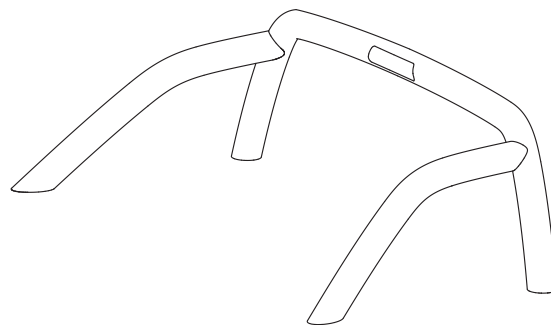


39



40

SPORTLID FOR TANGO
Can be fitted with the Ford OEM Sportbar.



See fitting instructions K314/K315
Once Sportbar is fitted proceed with step 50.

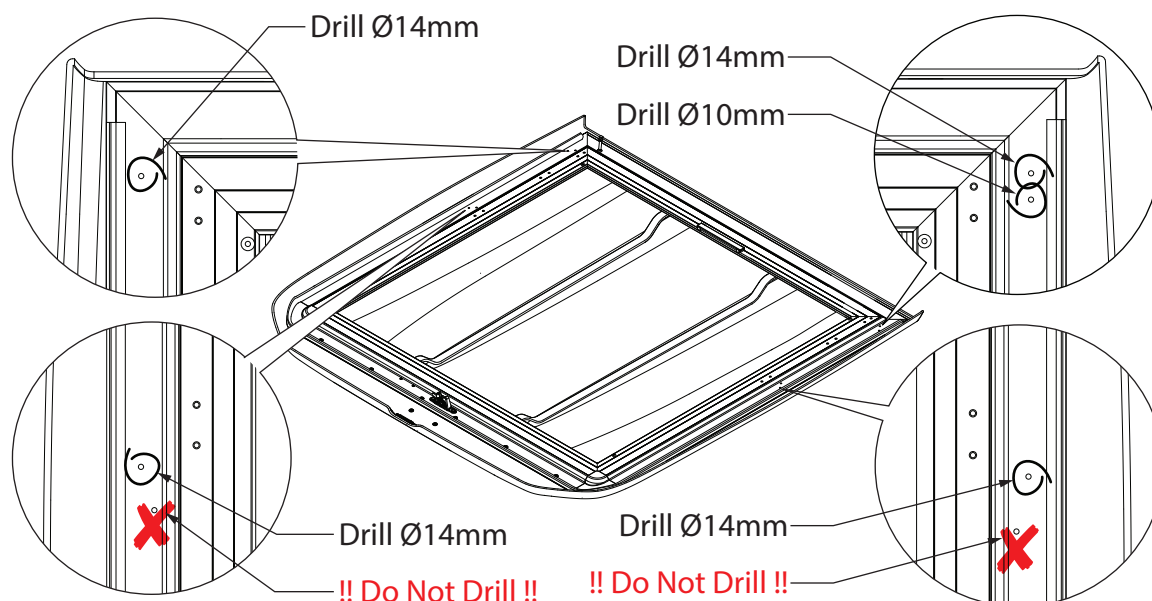
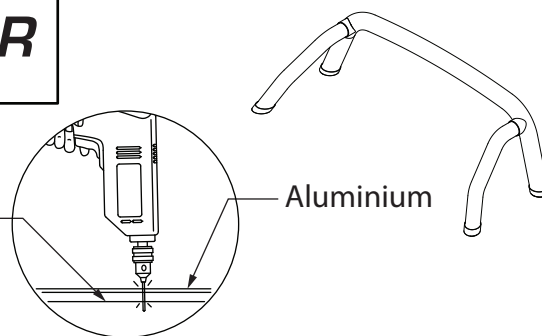
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FITTING PROFORM SPORTBAR

SEE STEPS 41 TO 49

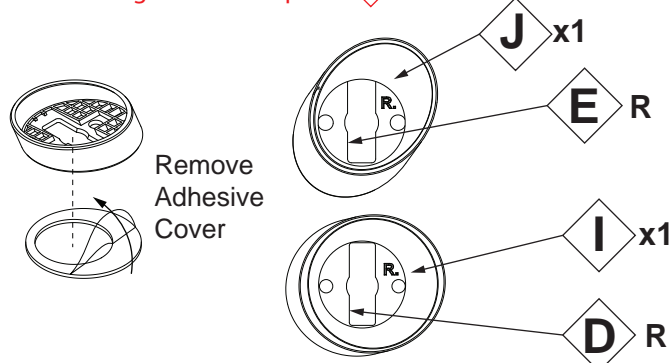
IMPORTANT to take care and drill correct holes

- Skip to STEP 50 when no **SPORTBAR** is being fitted.
- See fitting kit K310 to assemble **PROFORM SPORTBAR**, follow assembly instructions until step 3 then refer to below steps 42 to 49.



41

Refer to fitting kit K310 for parts. ◇

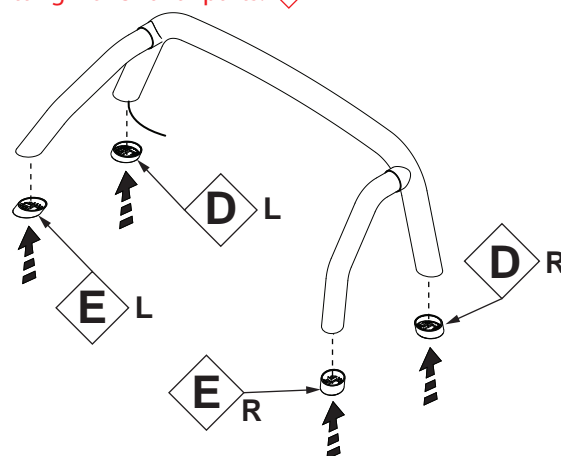


Remove
Adhesive
Cover

Position seals central
with holes and slots exposed.
REPEAT FOR LEFT SIDE.

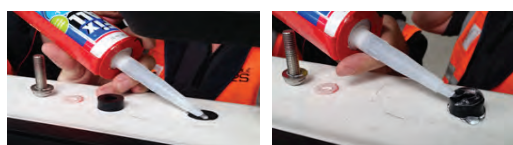
42

Refer to fitting kit K310 for parts. ◇

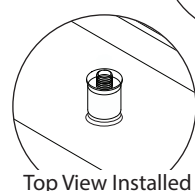
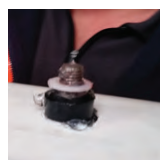
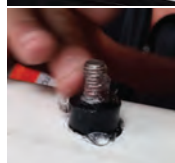


43

IMPORTANT!!!
APPLY NON-ACETIC SILICONE TO BOLT HOLE BEFORE AND
AFTER FIT WITH SPACERS TO PREVENT WATER PENETRATION.



ENSURE GOOD COVERAGE SO THAT
THE SILICONE WILL SEAL THE THREAD.



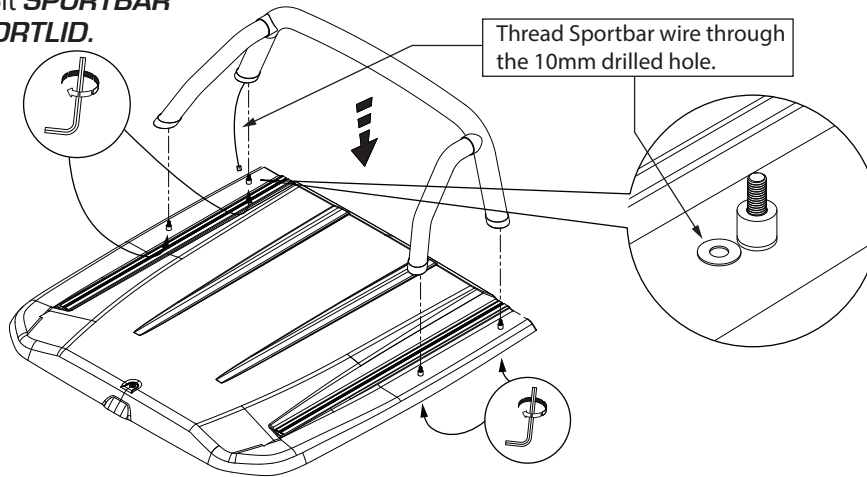
Top View Installed

Refer to fitting kit K310 for parts. ◇

44

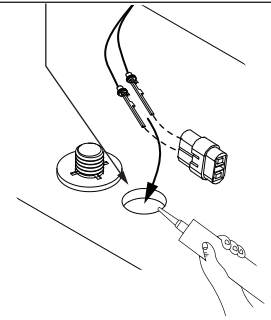
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Loosely bolt **SPORTBAR** to the **SPORTLID**.



Thread Sportbar wire through the 10mm drilled hole.

Applying silicone after wire is in place.



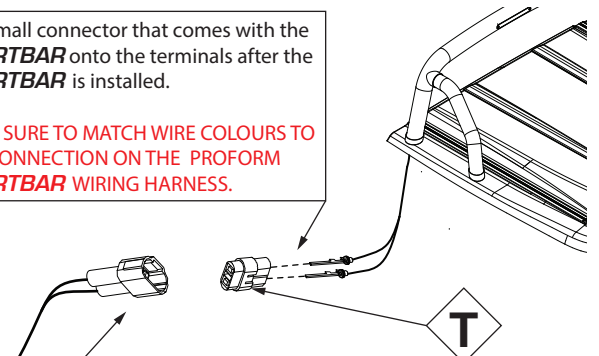
45

Follow fitting instruction steps 18 to 21 of K310 to install Proform **SPORTBAR** wiring harness.

46

Clip small connector that comes with the **SPORTBAR** onto the terminals after the **SPORTBAR** is installed.

MAKE SURE TO MATCH WIRE COLOURS TO THE CONNECTION ON THE PROFORM **SPORTBAR WIRING HARNESS.**



Connection on Proform **SPORTBAR** wiring harness.

Follow fitting instruction steps 7-12 of K310 to install High stop cover.

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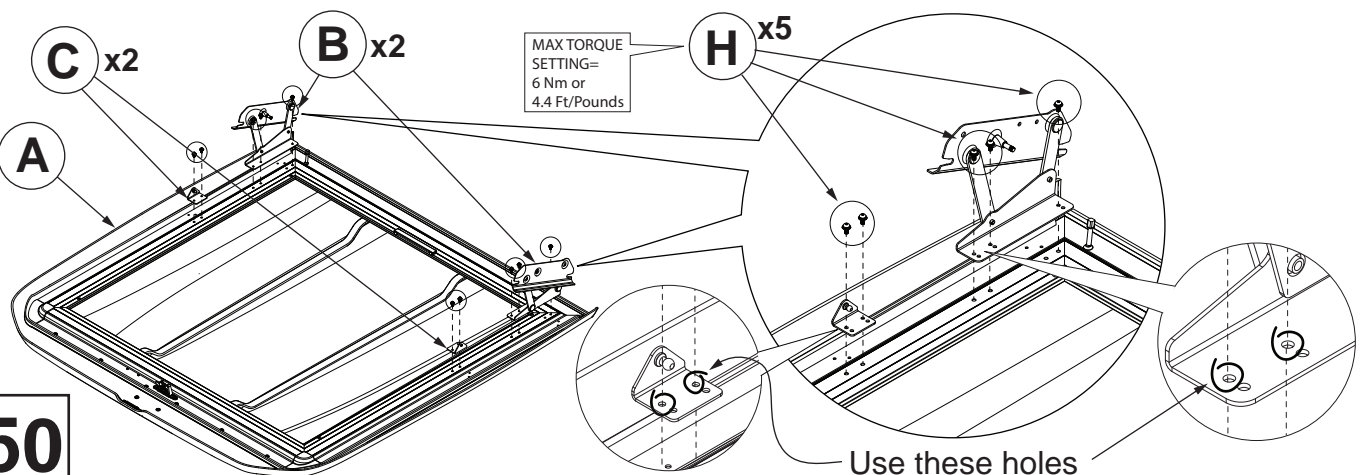
Refer to fitting kit K310 for parts. ◇

Feed excess **SPORTBAR** wire back up into the **SPORTBAR** then tighten 4 x bolts.

MAX TORQUE SETTING= 9 Nm or 6.6 Ft/Pounds

MAX TORQUE SETTING= 9 Nm or 6.6 Ft/Pounds

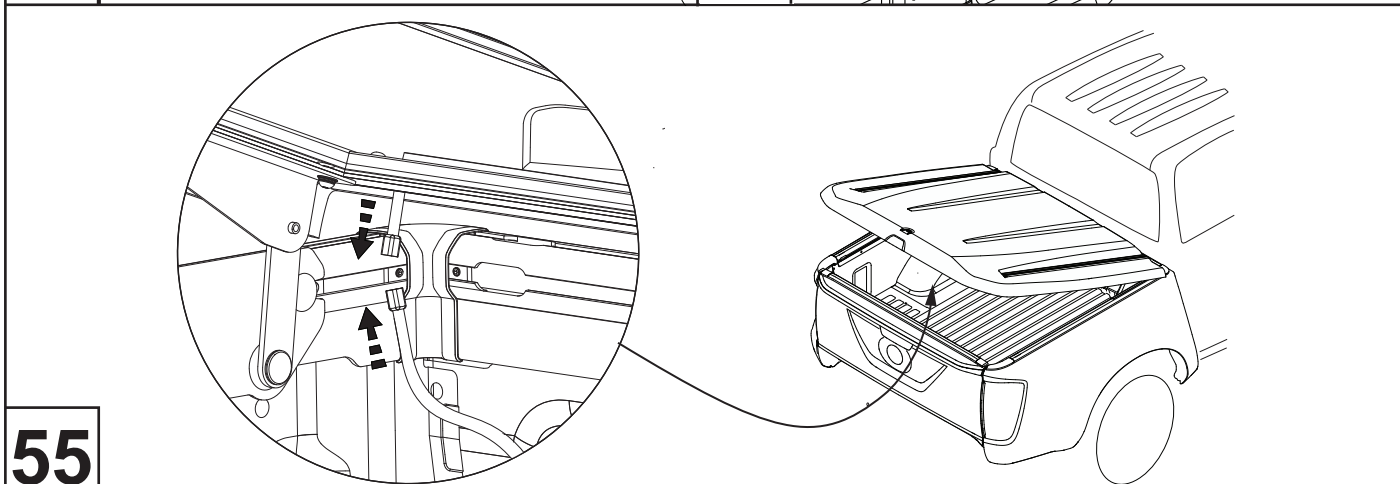
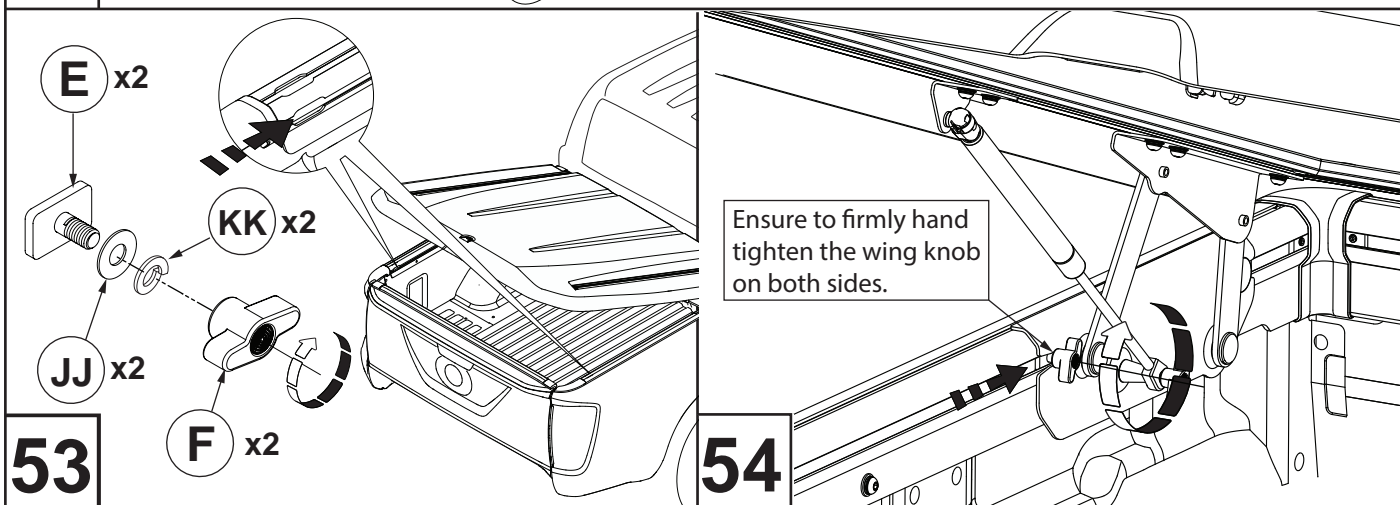
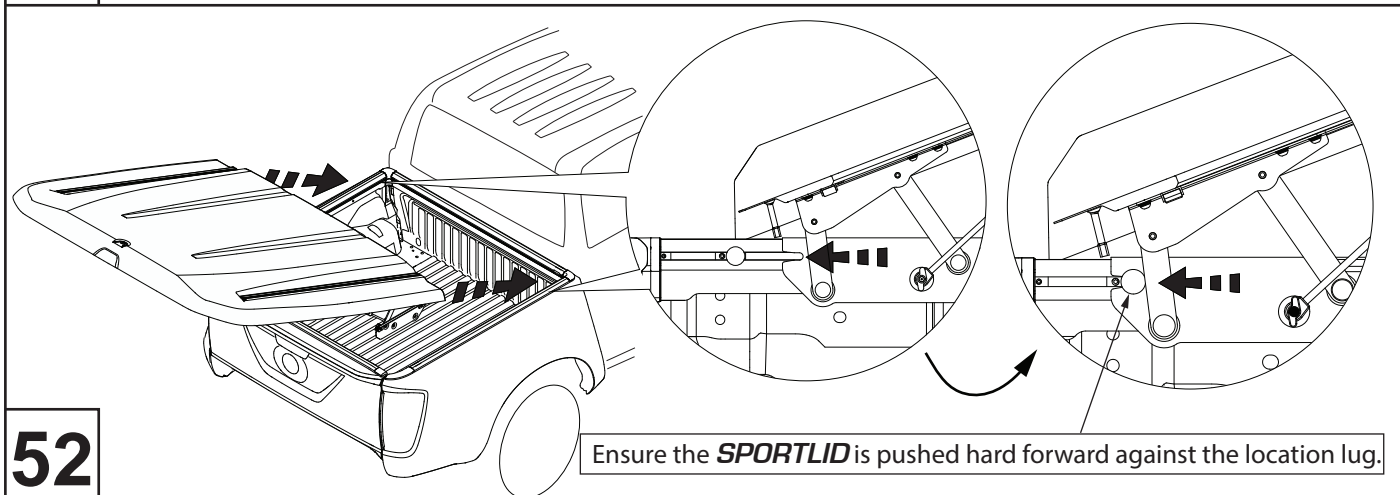
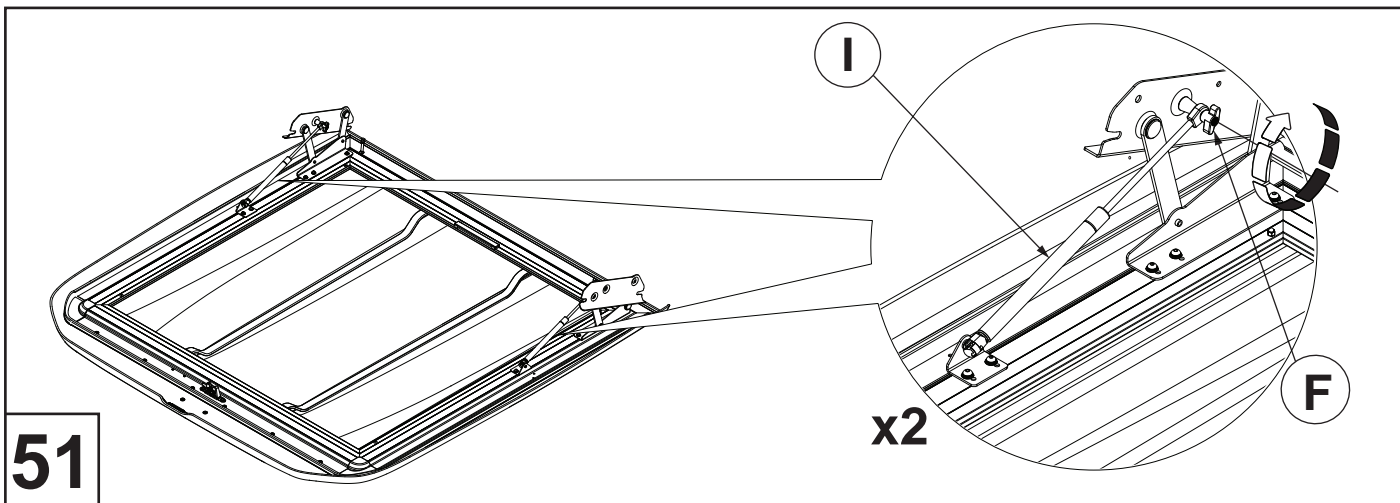
49



MAX TORQUE SETTING= 6 Nm or 4.4 Ft/Pounds

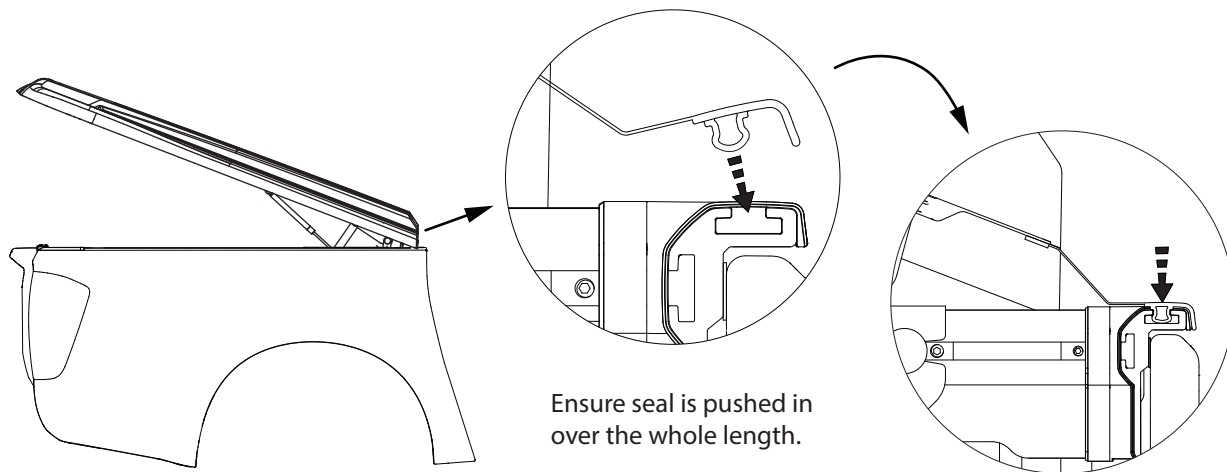
50

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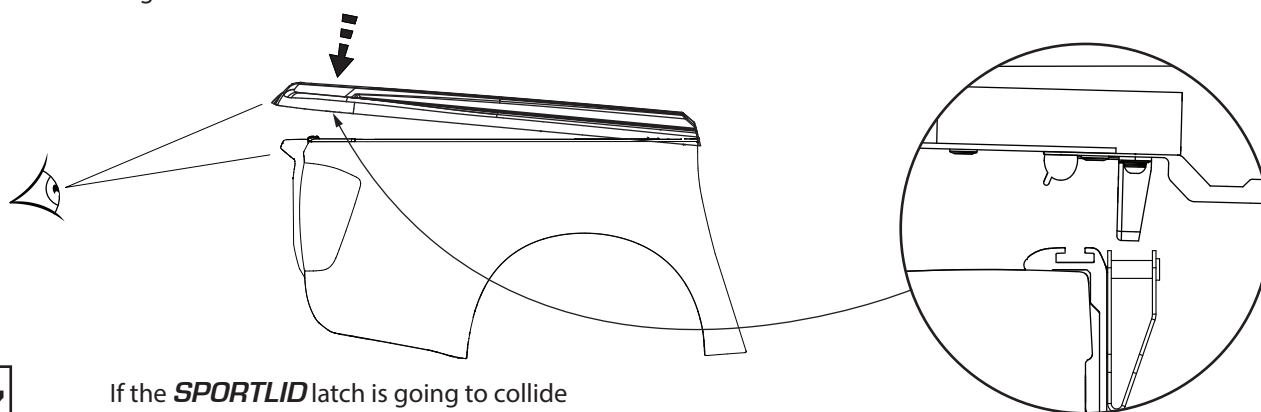


Fitting Kit Number	Manufacturer	Model Type	Year	Stockist	Cab Size	Product	Revision	Date	Page
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Before closing the **SPORTLID** ensure the latch does not collide with the **TANGO**.



57

If the **SPORTLID** latch is going to collide with the **TANGO** see adjustment steps A or B.

IMPORTANT NOTE:

The twist lock is a manual override to the touch pad central locking system. Ensure the twist lock is locked with the key supplied as this will override the touch pad entry system if left unlocked.



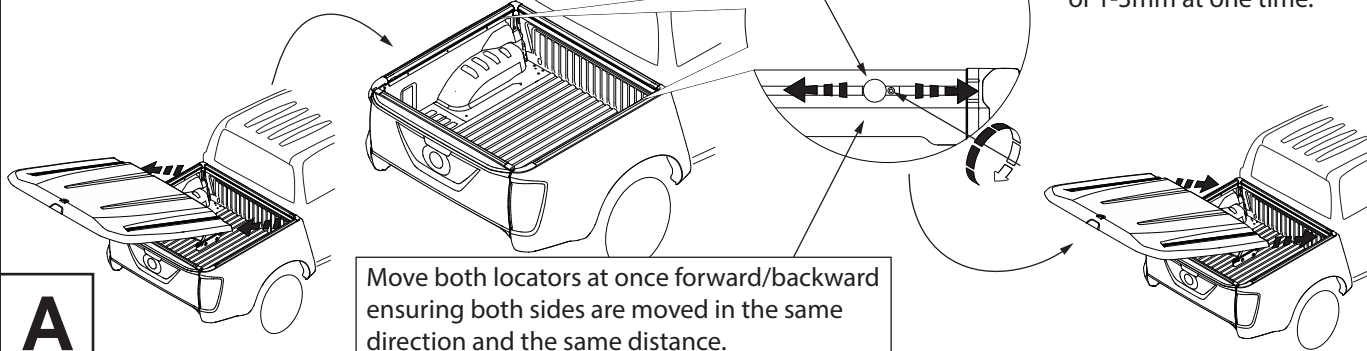
The main mechanism to open the lid is by use of the touch pad on the underside of the lid.



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K431	Ford	Ranger	2011	General Use	DC	SLT	4	2/07/2018	13 of 15

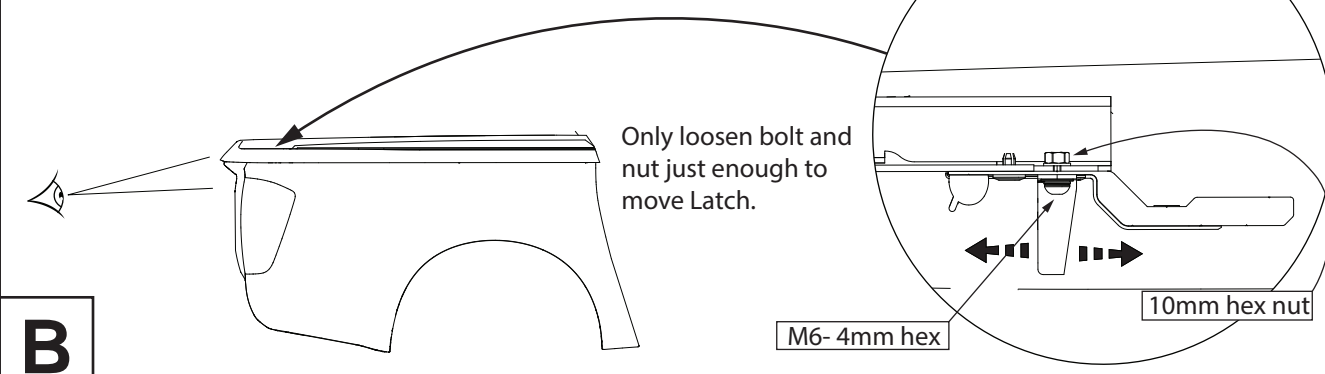
SPORTLID ADJUSTMENT SECTION

ADJUST BACKWARD AND FORWARD



LATCH ADJUSTMENT

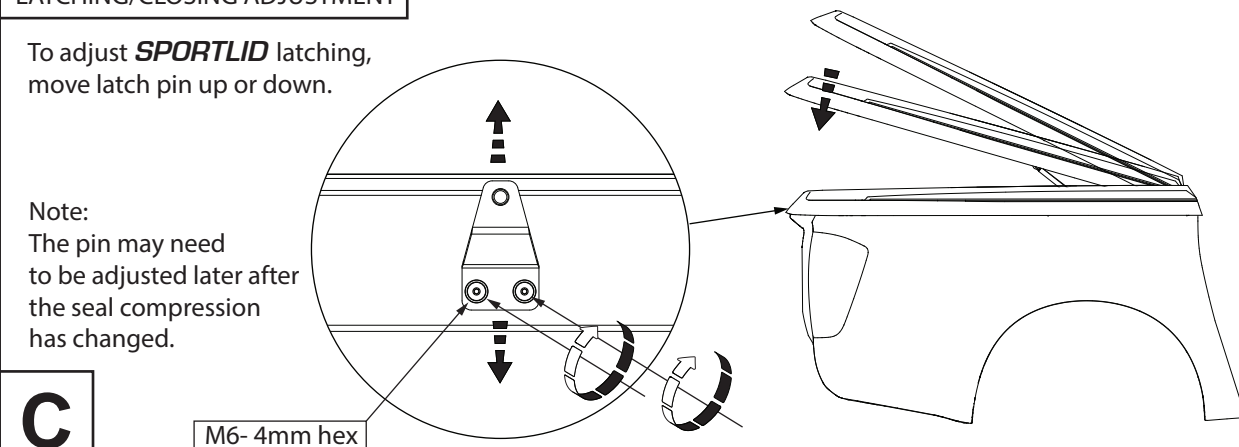
Only use this adjustment if step A did not solve the problem.



LATCHING/CLOSING ADJUSTMENT

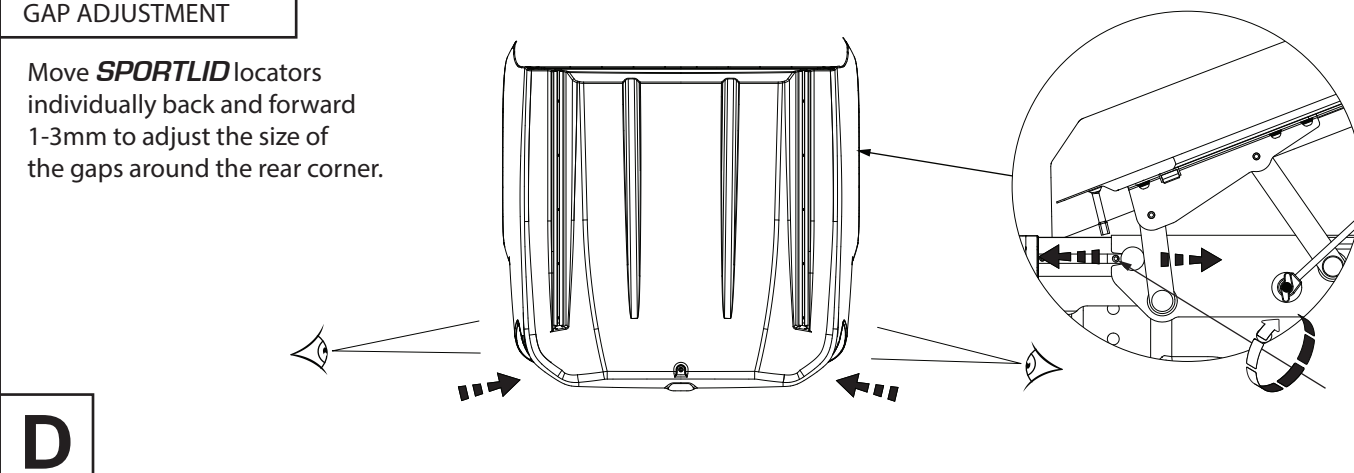
To adjust **SPORTLID** latching, move latch pin up or down.

Note:
The pin may need to be adjusted later after the seal compression has changed.



GAP ADJUSTMENT

Move **SPORTLID** locators individually back and forward 1-3mm to adjust the size of the gaps around the rear corner.



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SPORTLID GUIDELINES

PLEASE PASS THIS INFORMATION ON TO THE END USER

1. It is important to follow fitting instructions when fitting the ***SPORTLID***. As well as when refitting the ***SPORTLID*** after it has been removed.
2. Recommended maintenance period is after the first 1000kms, then at least every 3 months (more frequently in harsh driving conditions).
3. Check all ***SPORTLID*** fixing periodically to ensure they are tight and to specified settings.
4. All devices (roof bars etc.) fixed to the ***SPORTLID*** should be tightened correctly and checked regularly during the journey as per manufacturers' requirements.
5. It is important to ensure all loads are secured correctly and safely.
6. It is important not to exceed the load specification of the ***SPORTLID***.
MAX OPEN LOAD 20KG; MAX CLOSED LOAD 75KG.
7. The load carried has to be within the limitations of the chosen carrier system.
8. All equipment must be maintained in good working order.
9. The load shall be as evenly distributed as possible over the area of the carrier system, and the centre of gravity of the load kept as low as possible.
Narrow and heavy loads (for example, metal tube) are to be carried near the feet of the carrier system. Loads which overhang the ends of the carrier system shall conform to any relevant laws or by-laws in force, and shall be adequately secured.
10. Loads shall be adequately secured using suitable straps or similar tightening devices. After loading, recheck the security of the load and roof bars regularly throughout the journey. Elastic straps with securing hooks shall not be used.
11. Where surfboards are carried (or similar items which may produce lifting forces), they shall not be carried side by side, but stacked one upon the other.
All surfboards and similar items shall be secured independently to the front and rear of the carrier system using straps or other methods which are capable of withstanding the lifting forces.
12. Where specialized accessories are available to carry or secure loads, for example cycle carriers, it is recommended that they are used.
13. The handling characteristics of a vehicle will change when the carrier system is fitted and especially when it is loaded (in particular, crosswind sensitivity, handling on bends, and braking). Driving techniques should be altered to allow for these changes, reducing speed, especially on bends, and allowing for longer braking distances.

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