



ELITE REAR STEP TOW BAR WITH SIDE PROTECTION

FITTING INSTRUCTIONS



**ISUZU D-MAX
2020
PK204ID20E**

Fitting Time : approx. 1 hours 45 minute

TOW BAR SAFETY NOTICE:

INSTALLATION SHOULD ONLY BE DONE BY APPROPRIATELY QUALIFIED OR EXPERIENCED PERSONS IN ACCORDANCE WITH THESE INSTRUCTIONS.

IT IS THE RESPONSIBILITY OF THE INSTALLER TO ENSURE THAT THE PRODUCT IS CORRECTLY FITTED.

WARNING:

Do not attach the tow bar to the vehicle using fasteners other than provided.

Do not use this product for any vehicle make or model, other than those specified.

Do not remove the plaque or label from the tow bar.

Do not modify the structure of the tow bar in any way.

This product has been produced to provide continued functionality of parking sensors and other "driver assist" features as closely as possible to Original Equipment. However, as all possible road conditions and combination of other accessories fitted to the vehicle which may affect functionality characteristics cannot be anticipated, the driver remains responsible at all times for properly controlling the vehicle, **monitoring all "driver assist" features and intervening where required to ensure the vehicle is safely operated.**

This product is for towing purposes only. Exceeding the specified towing capacity of the vehicle is dangerous and can void vehicle warranties. Please always refer to the vehicle owner's manual or the manufacturer for towing capacity specifications.

IMPORTANT INFORMATION:

Before installing the product:

Check that all components, as listed in the assembly table, are available.

Thoroughly read all instructions.

This product or its fasteners must not be modified in any way.

These instructions are accurate as at the revision date and do not take into account any changes made by the vehicle manufacturer to vehicle design after the revision date or other accessories that are or have been fitted to the vehicle. PIAK cannot be held responsible for such changes and appropriate enquiries should be made before installation.

Before installing, inspecting and/or maintaining the product, the work space should be safe and clear of fuel, debris, electrical or other components.

During installation:

It is the responsibility of the installer to confirm correct operation/clearance of all components.

All holes drilled shall have all burrs and swarf removed then coated with a suitable rust preventative paint.

Ensure that all hardware is fastened to torque list as detailed in these instructions.

MAINTENANCE AND CARE:

To ensure continued safety and correct operation of the product, the product must be routinely inspected and regularly serviced (including bolt torque checked for correct tension) by an appropriately qualified or experienced person. Pull Pins and "R" clips must be regularly checked for proper installation. Replace any worn or defective parts.

Tow ball mounts, tongues or lugs should be removed when not actually towing so as to produce an unobscured view of the vehicles registration plate, and to also provide maximum available departure angle.

It is recommended that the tongue, Pull Pin and R-clip are removed when not towing and stored in a safe, clean and dry place.

PIAK recommends that you check your tow ball to ensure that it complies with the Australian Standard AS 4177.2.

EQUIPMENT:

These safety products should, at a minimum, be used when fitting or working on the product.



Protective Glasses



Hearing Protection

Installation in accordance with these instructions and adherence to warnings will ensure compliance with relevant regulatory and safety standards as at the revision date.

Failure to adhere to these instructions may affect the roadworthiness of the vehicle or cause personal injury, death or damage to property.

BY USING THIS PRODUCT YOU ACKNOWLEDGE AND AGREE THAT TO THE EXTENT PERMITTED BY LAW PIAK WILL NOT ACCEPT LEGAL OR OTHER LIABILITY FOR ANY LOSS, INJURY OR DAMAGE CAUSED BY INCORRECT OR INAPPROPRIATE INSTALLATION OR USE OF THE PRODUCT.

TOOLS REQUIRED

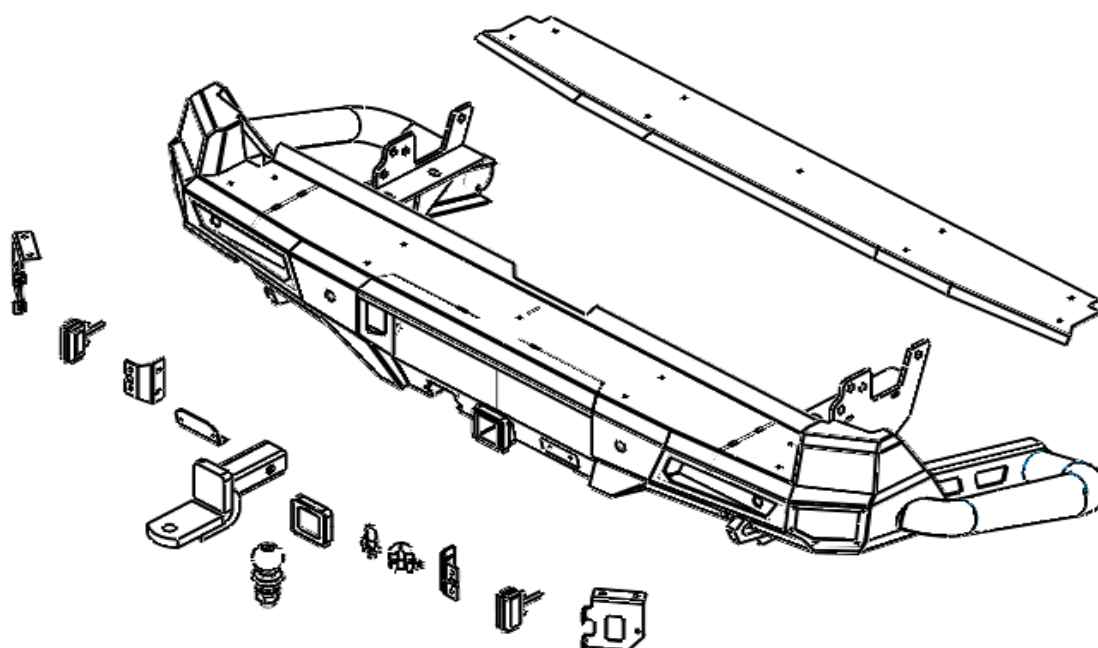
1. Metric socket and spanners
2. Phillips and flat head screw driver
3. Torque wrench
4. Soldering iron and electrical tape

PARTS LIST

Important : Check contents of fitting kit before commencing fitment and report any discrepancies.

Steel Rear Bar				
Item	Component Name	Q'ty	Remarks	
1	Eilte Rear Bar	1		
2	TBM (A) PK004	1		
Fitting Kit Radar bracket				
Item	Component Name	Q'ty	Remarks	
3	Acrylic	2		
4	Radar bracket LH/RH	2		
5	Button Head Bolt M5x0.8x20	2		
6	Spring Washer M5	2		
7	Flat Washer M5	24		
8	Flange Nut M5x0.8	12		
9	Button Head Bolt M5x0.8x15	10		
10	Hex Bolt M8x1.25x20	4		
11	Spring Washer M8	4		
12	Flat Washer M8	8		
13	Flange Nut M8x1.25	4		
Fitting Kit Mounting				
14	Bolt plate M12x1.5x35	4		
15	Nut plate M12x1.5	2		
16	Hex Bolt M12x1.5x35	2		
17	Hex Bolt M12x1.25x35	6		
18	Spring Washer M12	12		
19	Flat Washer M12 OD24	2		
20	Flat Washer	10		
21	Hex nut M12x1.5	4		
Accessories				
Item	Component Name	Q'ty	Remarks	
22	Shackle 3/8	2		
23	Sensor Plug 20.6 mm.	4		
24	Pinch weld_L450 mm.	2		

COMPONENTS OVERVIEW



TORQUE SETTING OF FASTENER

Mounting bolts must be tightened to torque's specified following ;

Bolt Diameter (mm.)	Torque (Nm)	Torque (ft.lb)
M6	9	7
M8	22	16
M10	44	32
M12	77	57

FITTING PROCEDURE



1 Locate the vehicle in a suitable position.



2 Unclip the OE bolts coming from behind the bumper bar.

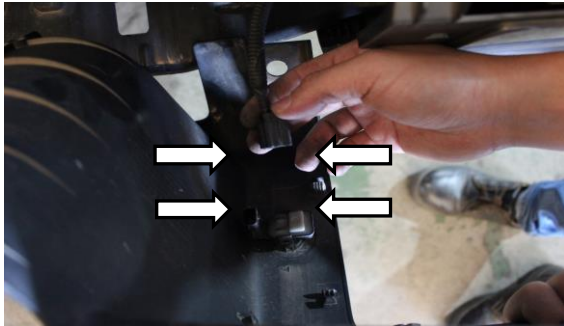


3 Unplug the wires looms coming from behind the bumper bar.



4 Remove the top of the rear bumper by sliding it towards yourself as shown.

FITTING PROCEDURE

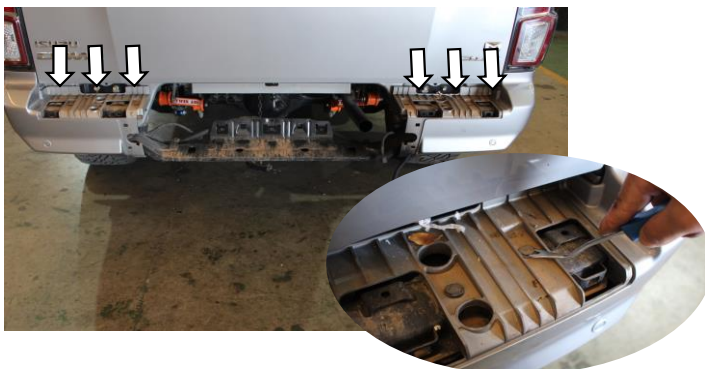


5 Unplug the sensor wires coming from the bumper bar.

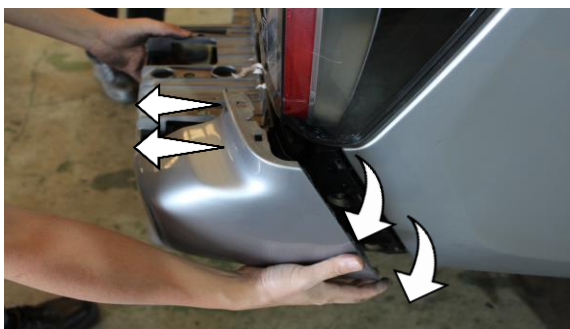


6 Mark the position after unplug wiring sensor.

*****Mark the location of each sensor.*****

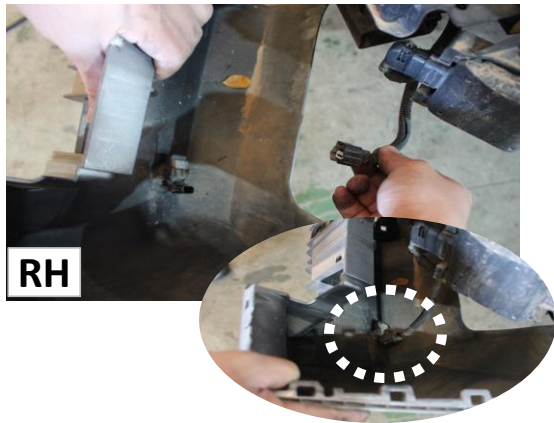


7 Unpack the 6 OE bolts of rear bumper as shown.



8 Remove the OE rear bumper by unpack side view first and slide out back.

FITTING PROCEDURE

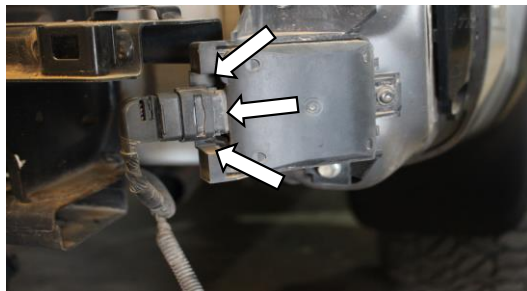


9 Unplug the sensor wiring coming from the bumper bar.

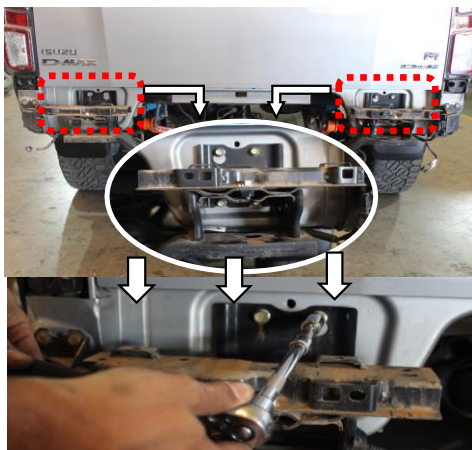
*****Mark the location of each sensor.*****



10 Mark the position after unplug sensor.



11 Unplug the radar wires coming from the bumper bar and mark position.



12 Remove the OE rear bumper by loosen bolts as shown.

FITTING PROCEDURE



13 Remove the OE rear bumper.



14 Remove and discard the outer bumper clips from the front guards both sides as shown.

*****Repeat for the opposite side.*****



15 Remove the radars by loosen bolts as shown and keep it for refitment.

*****Repeat for the opposite side.*****

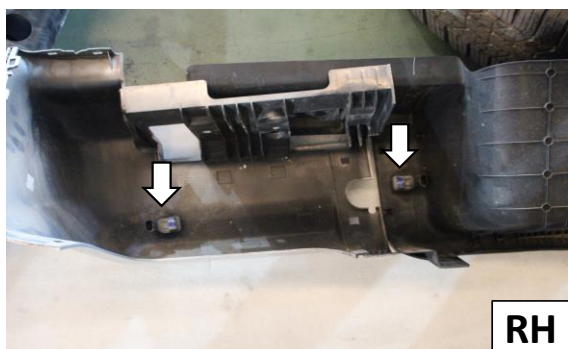
FITTING PROCEDURE



RH

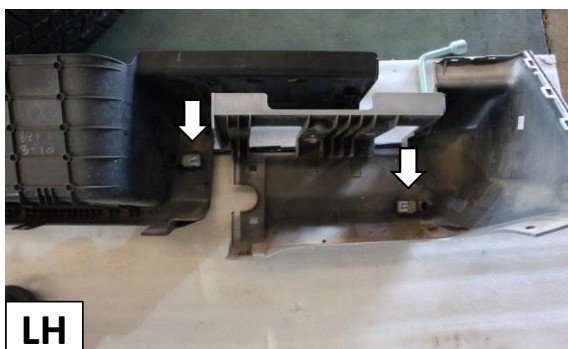
16 Remove the radars by loosen bolts as shown .

*****Repeat for the opposite side.*****



RH

17 Remove parking sensors form OE rear bumper, mark position and keep it for refitment.

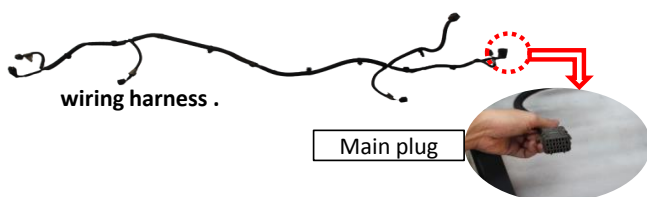


LH

18 Remove parking sensors form OE rear bumper, mark position and keep it for refitment.



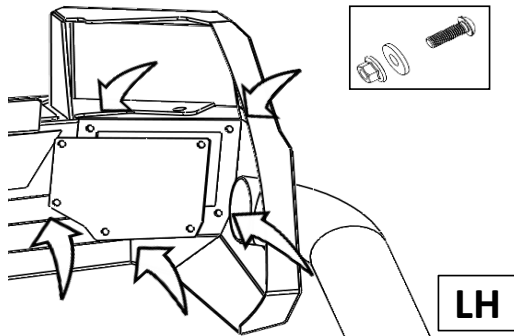
Parking



wiring harness .

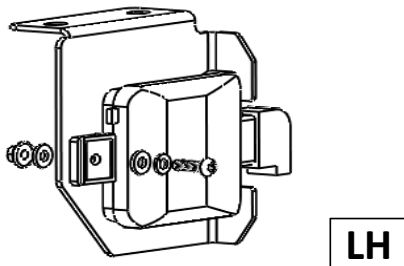
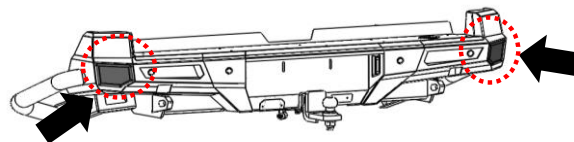
Main plug

FITTING PROCEDURE



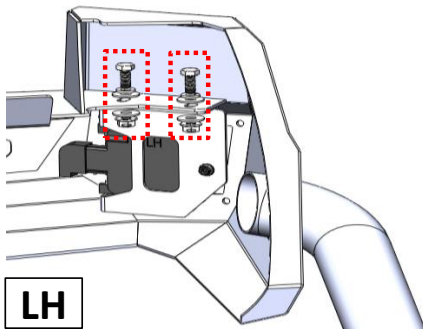
- 19** Assemble acrylic sheet onto the rear bumpers secure by five M5 bottom head bolts (M5x0.8x15), M6 flat washer and M6 flange nut as shown.

Repeat for the opposite side.



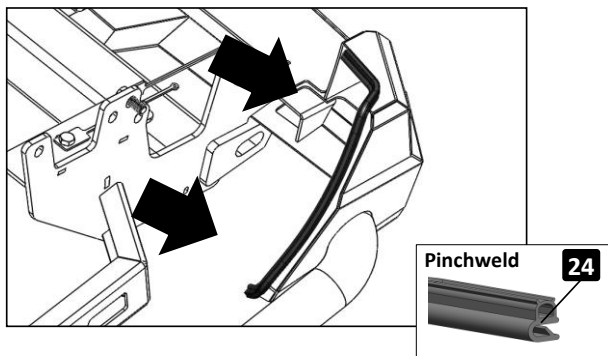
- 20** Assemble radar to radar bracket by secure bottom head M5 bolt (M5x0.8x20), spring washer, flange nut and two flat washer.

Repeat for the opposite side.



- 21** Re-install radar to rear bumper by secure with two M8 bolts (M8x1.25x20), two spring, four flat washer and two flange nuts as shown.

Repeat for the opposite side.



- 22** Insert pinchweld rubber seal Put the end RH&LH as shown.

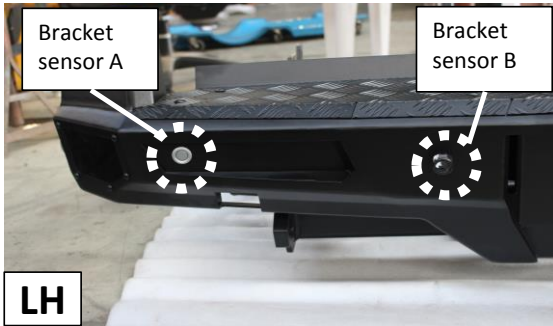
FITTING PROCEDURE



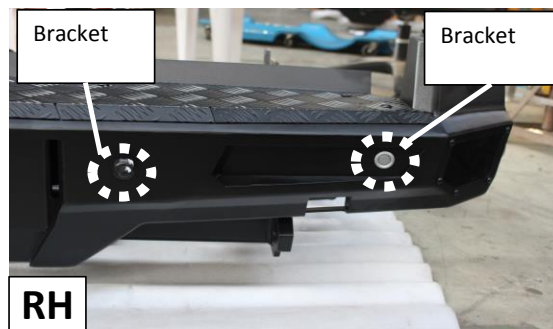
23 Cut the clip lock of sensor bracket as shown and make sure after cut clip lock sensor bracket it can refitment to the rear bumper. as shown.



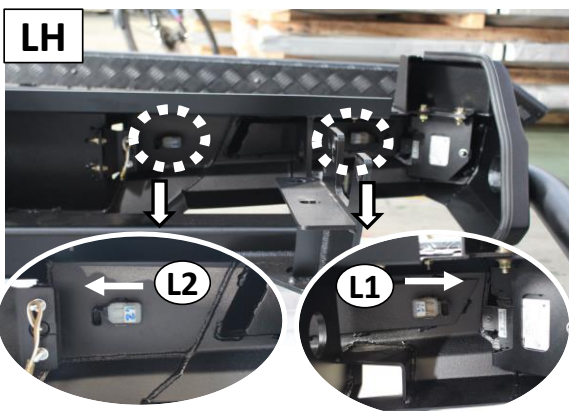
FITTING PROCEDURE



24 Re-install sensor bracket to rear bumper as indicator as shown.

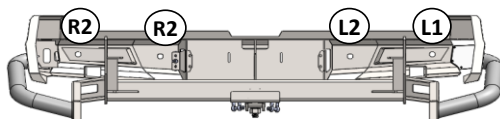


25 Re-install sensor bracket to rear bumper as indicator as shown.

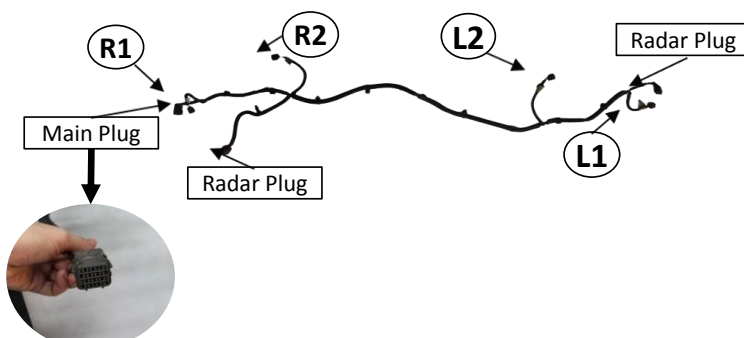


26 Re-install sensor to the rear bumper as shown.

*****Repeat for the opposite side.*****



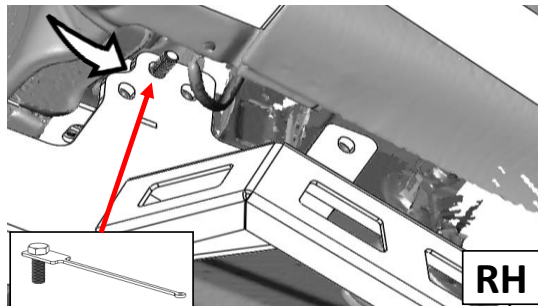
27 Re-connect sensor and radar wires to the rear bumper that wires marked position.



FITTING PROCEDURE

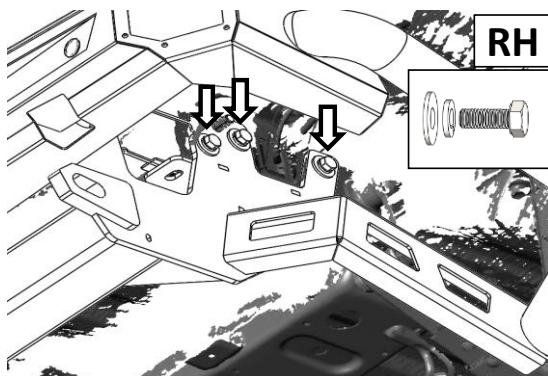


28 Lift the rear bumper onto the chassis of vehicle.



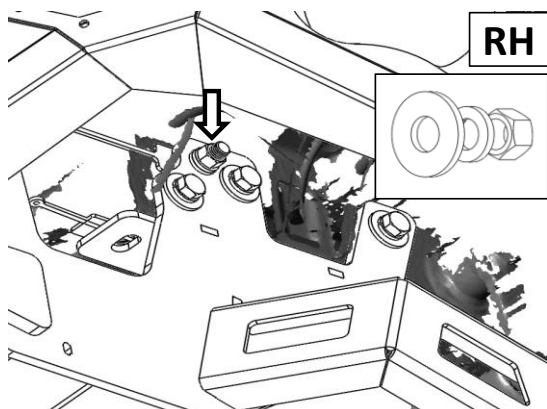
29 When lift the rear bumper put bolt plate first on to chassis and rear bumper as shown.

*****Repeat for the opposite side.*****



30 Secure by three M12 bolts (M12x1.25x35), three M12 spring washers and three flat washers M12 OD33 as shown.

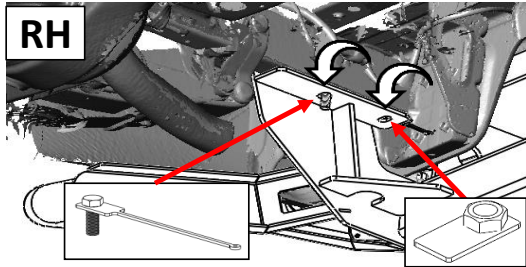
*****Repeat for the opposite side.*****



31 Secure by spring washers M12, flat washers M12 OD22 and hex nut M12x1.5 as shown.

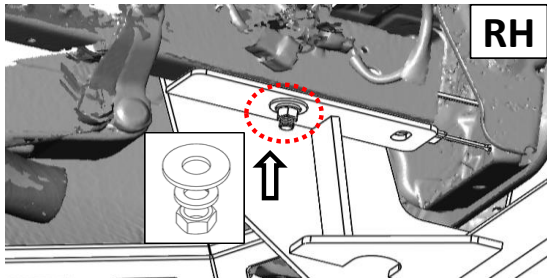
*****Repeat for the opposite side.*****

FITTING PROCEDURE



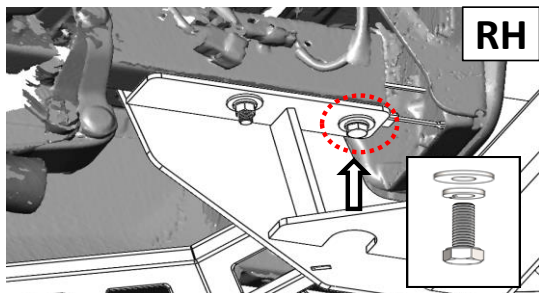
32 Input bolt plate and nut plate to chassis and rear bumper as shown.

*****Repeat for the opposite side.*****



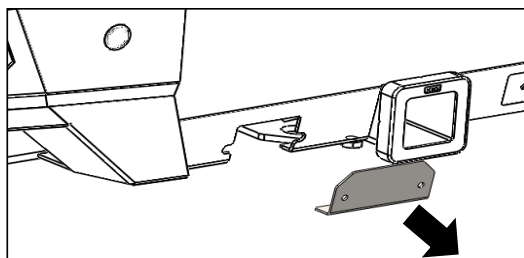
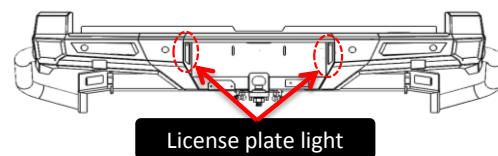
33 Secure by M12 flat washer, M12 spring washer and hex nut M12x1.5 as shown.

*****Repeat for the opposite side.*****

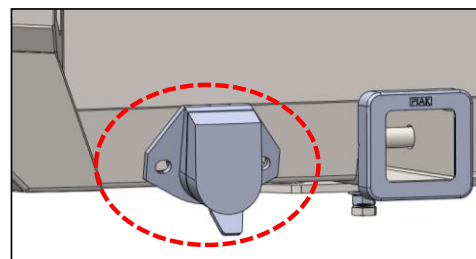
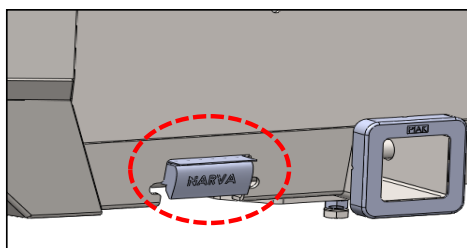


34 Secure by M12 hex bolt (M12x1.5x35), spring washer and flat washer.

*****Repeat for the opposite side.*****



35 Location for installing trailer plug the position as shown .



FITTING PROCEDURE

