



## FITTING INSTRUCTIONS



PRODUCT :

# PIAK GENESIS WINCH BAR

VEHICLE MODEL :

## MITSUBISHI TRITON 2024

PRODUCT PART NUMBER :

PK106MT24G\_RBO\_URPMB

PK106MT24G\_RBO\_URPB0

PK106MT24G\_RMB\_URPMB

PK106MT24G\_RMB\_URPB0

FITTING TIME :

**Approx. 3 hours**

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**BULL 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 Vehicle Frontal Protection System (VFPS) to the vehicle using anchorages not intended for this purpose. (e.g. engine mounting bolts)

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

Do not remove the plaque or label from the VFPS.

Do not modify the structure of the VFPS in any way.

The VFPS 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.**

**IMPORTANT INFORMATION :**

Before installing the VFPS :

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 VFPS, 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 VFPS must be routinely inspected and regularly serviced (including bolt torque checked for correct tension) by an appropriately qualified or experienced person.

The high tensile fasteners supplied with this product were used to achieve the specified rating. If replacement of the fasteners is required, fasteners of the same rating and quality must be used.

If this VFPS is fitted with a hinged number plate bracket, extra care must be taken when returning back to public roads following the use of the winch or conducting a deep water crossing.

The driver must ensure that the number plate bracket is returned back to the down position allowing full visibility of the number plate when returning to public roads.

**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.**

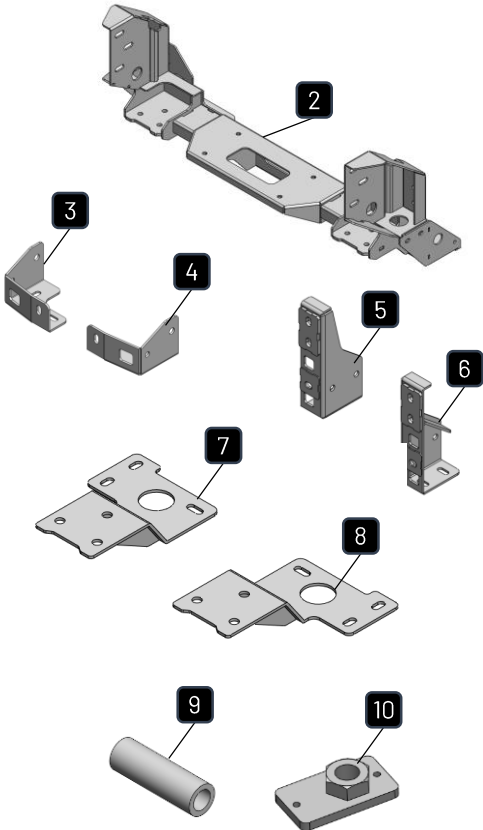
**BY USING THIS PRODUCT YOU ACKNOWLEDGE AND AGREE THAT TO THE EXTENT PERMITTED BY LAW PIAK WILL NOT ACCEPT LEGAL OR OTHER LIABILITY FOR ANY LOSS, INJURY OR DAMAGE CAUSED BY INCORRECT OR INAPPROPRIATE INSTALLATION OR USE OF THE PRODUCT.**

## TOOLS REQUIRED

- |                                |                             |                                       |
|--------------------------------|-----------------------------|---------------------------------------|
| 1. Metric Socket and Spanners  | 2. 2" Masking tape          | 3. Marking pen                        |
| 4. Drill and metric drill bits | 5. Test lamp or multi-meter | 6. Phillip and flat head screw driver |
| 7. Torque wrench               | 8. Air saw                  |                                       |

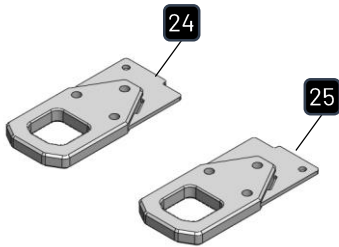
## PART LIST

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

| STEEL BULL BAR   |                            |      |                                                                                                 |
|------------------|----------------------------|------|-------------------------------------------------------------------------------------------------|
| ITEM             | COMPONENT NAME             | Q'ty | REMARKS                                                                                         |
| 1                | PIAK Genesis Bar           | 1    |  <div>1</div> |
|                  |                            |      |                                                                                                 |
|                  |                            |      |                                                                                                 |
| MOUNTING BRACKET |                            |      |                                                                                                 |
| ITEM             | COMPONENT NAME             | Q'ty | REMARKS                                                                                         |
| 2                | Mounting Bracket           | 1    |              |
| 3                | Chassis Support Inside RH  | 1    |                                                                                                 |
| 4                | Chassis Support Inside LH  | 1    |                                                                                                 |
| 5                | Chassis Outside Support RH | 1    |                                                                                                 |
| 6                | Chassis Outside Support LH | 1    |                                                                                                 |
| 7                | Recovery Point Bracket RH  | 1    |                                                                                                 |
| 8                | Recovery Point Bracket LH  | 1    |                                                                                                 |
| 9                | Tube OD19x59.5 mm.         | 2    |                                                                                                 |
| 10               | Plate Nut M10x1.5          | 4    |                                                                                                 |
| 11               | Hex Bolt M12x1.75x90       | 2    |                                                                                                 |
| 12               | Spring Washer M12          | 2    |                                                                                                 |
| 13               | Flat Washer M12            | 4    |                                                                                                 |
| 14               | Hex Nut M12x1.75           | 2    |                                                                                                 |
| 15               | Hex Bolt M10x35x1.5        | 16   |                                                                                                 |
| 16               | Spring Washer M10          | 16   |                                                                                                 |
| 17               | Flat Washer M10            | 28   |                                                                                                 |
| 18               | Hex Nut M10x1.5            | 12   |                                                                                                 |
| 19               | Hex Bolt M10x30x1.25 EDP   | 8    |                                                                                                 |
| 20               | Hex Bolt M10x35x1.5 EDP    | 4    |                                                                                                 |
| 21               | Spring Washer M10 EDP      | 12   |                                                                                                 |
| 22               | Flat Washer M10 OD27 EDP   | 16   |                                                                                                 |
| 23               | Hex Nut M10x1.5 EDP        | 4    |                                                                                                 |

## PART LIST

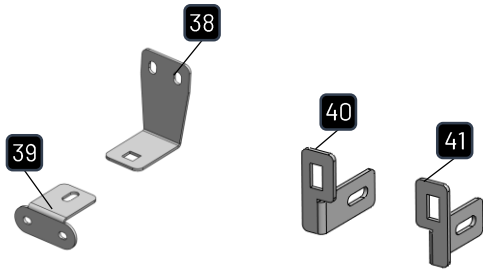
## RECOVERY POINT

| ITEM | COMPONENT NAME                 | Q'ty | REMARKS                                                                            |
|------|--------------------------------|------|------------------------------------------------------------------------------------|
| 24   | Recovery Point RH              | 1    |  |
| 25   | Recovery Point LH              | 1    |                                                                                    |
| 26   | Hex Bolt M12x1.5x55 Gr10.9 EDP | 6    |                                                                                    |
| 27   | Spring Washer M12 EDP          | 6    |                                                                                    |
| 28   | Flat Washer M12 EDP            | 12   |                                                                                    |
| 29   | Hex Nut M12x1.5 Gr10.9 EDP     | 6    |                                                                                    |

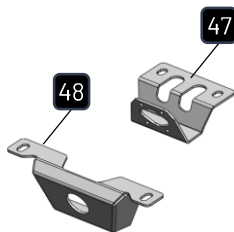
## BAR TO MOUNTING BRACKET

| ITEM | COMPONENT NAME       | Q'ty | REMARKS |
|------|----------------------|------|---------|
| 30   | Hex Bolt M12x1.5x35  | 6    |         |
| 31   | Spring Washer M12    | 6    |         |
| 32   | Flat Washer M12      | 12   |         |
| 33   | Hex Nut M12x1.5      | 6    |         |
| 34   | Hex Bolt M10x1.25x35 | 4    |         |
| 35   | Spring Washer M10    | 4    |         |
| 36   | Flat Washer M10 OD20 | 8    |         |
| 37   | Flange Nut M10x1.25  | 4    |         |

## FRONT GRILL BRACKET

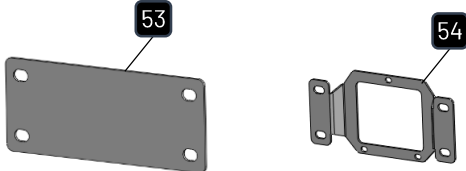
| ITEM | COMPONENT NAME                | Q'ty | REMARKS                                                                              |
|------|-------------------------------|------|--------------------------------------------------------------------------------------|
| 38   | Front Grill Bracket-Canter 1  | 1    |  |
| 39   | Front Grill Bracket -Canter 2 | 1    |                                                                                      |
| 40   | Front Grill Bracket -Side RH  | 1    |                                                                                      |
| 41   | Front Grill Bracket -Side LH  | 1    |                                                                                      |
| 42   | Hex Bolt M6x20x1.0 EDP        | 5    |                                                                                      |
| 43   | Spring Washer M6 EDP          | 5    |                                                                                      |
| 44   | Flat Washer M6 OD14 EDP       | 2    |                                                                                      |
| 45   | Flat Washer M6 EDP            | 3    |                                                                                      |
| 46   | Cage Nut M6x1.0x3T            | 3    |                                                                                      |

## CAMERA BRACKET

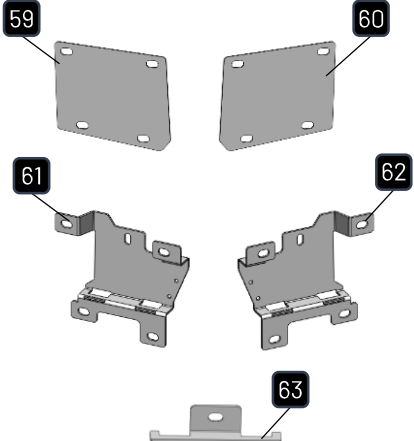
| ITEM | COMPONENT NAME             | Q'ty | REMARKS                                                                               |
|------|----------------------------|------|---------------------------------------------------------------------------------------|
| 47   | Camera Bracket             | 1    |  |
| 48   | Camera Cover               | 1    |                                                                                       |
| 49   | Button Head Bolt M5x15x0.8 | 4    |                                                                                       |
| 50   | Spring Washer M5           | 4    |                                                                                       |
| 51   | Flat Washer M5             | 8    |                                                                                       |
| 52   | Hex Nut M5x0.8             | 4    |                                                                                       |

## PART LIST

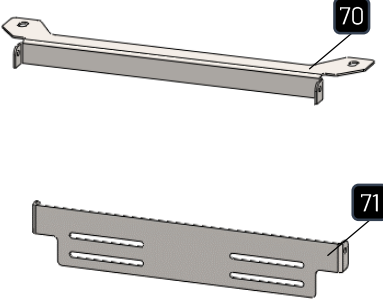
## CENTER RADAR BRACKET

| ITEM | COMPONENT NAME             | Q'ty | REMARKS                                                                            |
|------|----------------------------|------|------------------------------------------------------------------------------------|
| 53   | Acrylic Plate Center       | 1    |  |
| 54   | Center Radar Bracket       | 1    |                                                                                    |
| 55   | Button Head Bolt M5x15x0.8 | 3    |                                                                                    |
| 56   | Hex Nut M5x0.8             | 3    |                                                                                    |
| 57   | Flat Washer M6             | 4    |                                                                                    |
| 58   | Flange Nut M6x1.0          | 4    |                                                                                    |

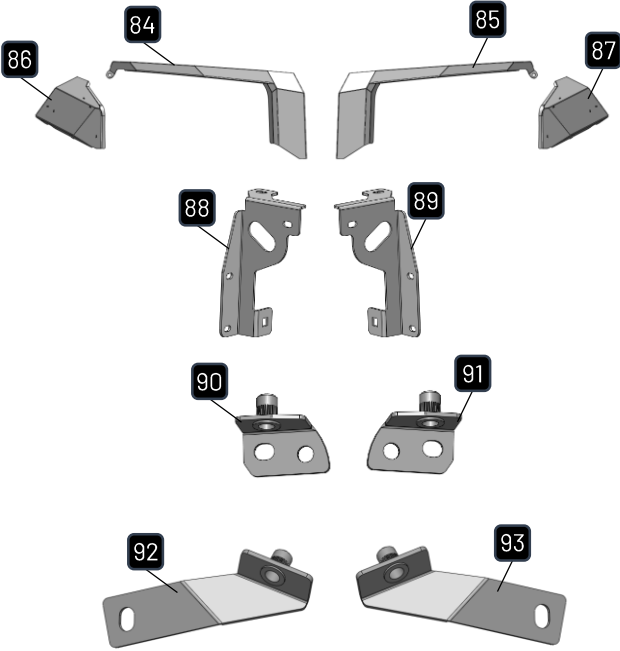
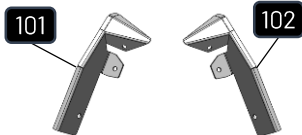
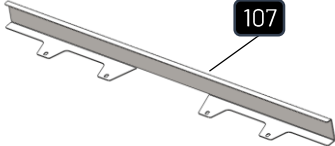
## SIDE RADAR BRACKET

| ITEM | COMPONENT NAME                 | Q'ty | REMARKS                                                                             |
|------|--------------------------------|------|-------------------------------------------------------------------------------------|
| 59   | Acrylic Plate Side RH          | 1    |  |
| 60   | Acrylic Plate Side LH          | 1    |                                                                                     |
| 61   | Side Radar Bracket 1 RH        | 1    |                                                                                     |
| 62   | Side Radar Bracket 1 LH        | 1    |                                                                                     |
| 63   | Side Radar Bracket 2           | 2    |                                                                                     |
| 64   | Button Head Bolt M6x15x1.0 EDP | 2    |                                                                                     |
| 65   | Spring washer M6 EDP           | 2    |                                                                                     |
| 66   | Flat Washer M6 EDP             | 4    |                                                                                     |
| 67   | Flange Nut M6x1.0 EDP          | 2    |                                                                                     |
| 68   | Flat Washer M6                 | 8    |                                                                                     |
| 69   | Flange Nut M6x1.0              | 8    |                                                                                     |

## LICENSE PLATE BRACKET

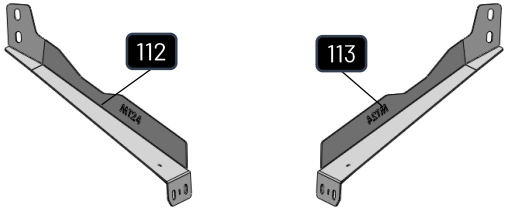
| ITEM | COMPONENT NAME                 | Q'ty | REMARKS                                                                              |
|------|--------------------------------|------|--------------------------------------------------------------------------------------|
| 70   | License Plate Bracket _Inner   | 1    |  |
| 71   | License Plate Bracket _Outer   | 1    |                                                                                      |
| 72   | Hex Bolt M8x20x1.25 EDP        | 2    |                                                                                      |
| 73   | Spring Washer M8 EDP           | 2    |                                                                                      |
| 74   | Flat Washer M8 OD22 EDP        | 4    |                                                                                      |
| 75   | Flange Nut M8x1.25 EDP         | 2    |                                                                                      |
| 76   | Hex Bolt M6x20x1.0 EDP         | 2    |                                                                                      |
| 77   | Spring Washer M6 EDP           | 2    |                                                                                      |
| 78   | Flat Washer M6 EDP             | 4    |                                                                                      |
| 79   | Flange Nut M6x1.0 EDP          | 2    |                                                                                      |
| 80   | Button Head Bolt M6x20x1.0 SUS | 2    |                                                                                      |
| 81   | Flat Washer M6 OD14 SUS        | 4    |                                                                                      |
| 82   | Nylon Washer M6                | 4    |                                                                                      |
| 83   | Nyloc Nut M6x1.0 SUS           | 2    |                                                                                      |

**PART LIST**

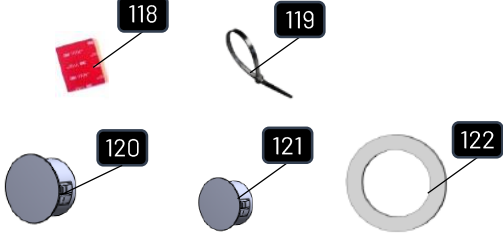
| INFILL                  |                                        |      |                                                                                      |
|-------------------------|----------------------------------------|------|--------------------------------------------------------------------------------------|
| ITEM                    | COMPONENT NAME                         | Q'ty | REMARKS                                                                              |
| 84                      | Head lamp Infill RH                    | 1    |   |
| 85                      | Head lamp Infill LH                    | 1    |                                                                                      |
| 86                      | Side Infill RH                         | 1    |                                                                                      |
| 87                      | Side Infill LH                         | 1    |                                                                                      |
| 88                      | inner bracket RH                       | 1    |                                                                                      |
| 89                      | inner bracket LH                       | 1    |                                                                                      |
| 90                      | infill Outside Bracket 1 RH            | 1    |                                                                                      |
| 91                      | infill Outside Bracket 1 LH            | 1    |                                                                                      |
| 92                      | infill Outside Bracket 2 RH            | 1    |                                                                                      |
| 93                      | infill Outside Bracket 2 LH            | 1    |                                                                                      |
| 94                      | Hex Bolt M6x20x1.0 EDP                 | 6    |                                                                                      |
| 95                      | Spring Washer M6 EDP                   | 10   |                                                                                      |
| 96                      | Flat Washer M6 OD20 EDP                | 10   |                                                                                      |
| 97                      | Flange Nut M6x1.0 EDP                  | 4    |                                                                                      |
| 98                      | Button Head Bolt M6x15x1.0 EDP         | 4    |                                                                                      |
| 99                      | Flat Washer M6 OD14 EDP                | 4    |                                                                                      |
| 100                     | Thin-Phillips Head Screw M6x16x1.0 EDP | 4    |                                                                                      |
| INFILL (FLARES END CAP) |                                        |      |                                                                                      |
| ITEM                    | COMPONENT NAME                         | Q'ty | REMARKS                                                                              |
| 101                     | Flares end cap RH                      | 1    |  |
| 102                     | Flares end cap LH                      | 1    |                                                                                      |
| 103                     | Thin-Phillips Head Screw M6x16x1.0 EDP | 6    |                                                                                      |
| 104                     | Flat Washer M6 OD14 EDP                | 2    |                                                                                      |
| 105                     | Flat Washer M6 OD20 EDP                | 4    |                                                                                      |
| 106                     | Flange Nut M6x1.0 EDP                  | 6    |                                                                                      |
| LIGHT BAR COVER PLATE   |                                        |      |                                                                                      |
| ITEM                    | COMPONENT NAME                         | Q'ty | REMARKS                                                                              |
| 107                     | Light bar Cover plate                  | 1    |  |
| 108                     | Hex Bolt M6x20x1.0 EDP                 | 4    |                                                                                      |
| 109                     | Spring Washer M6 EDP                   | 4    |                                                                                      |
| 110                     | Flat Washer M6 EDP                     | 8    |                                                                                      |
| 111                     | Flange Nut M6x1.0 EDP                  | 4    |                                                                                      |

## PART LIST

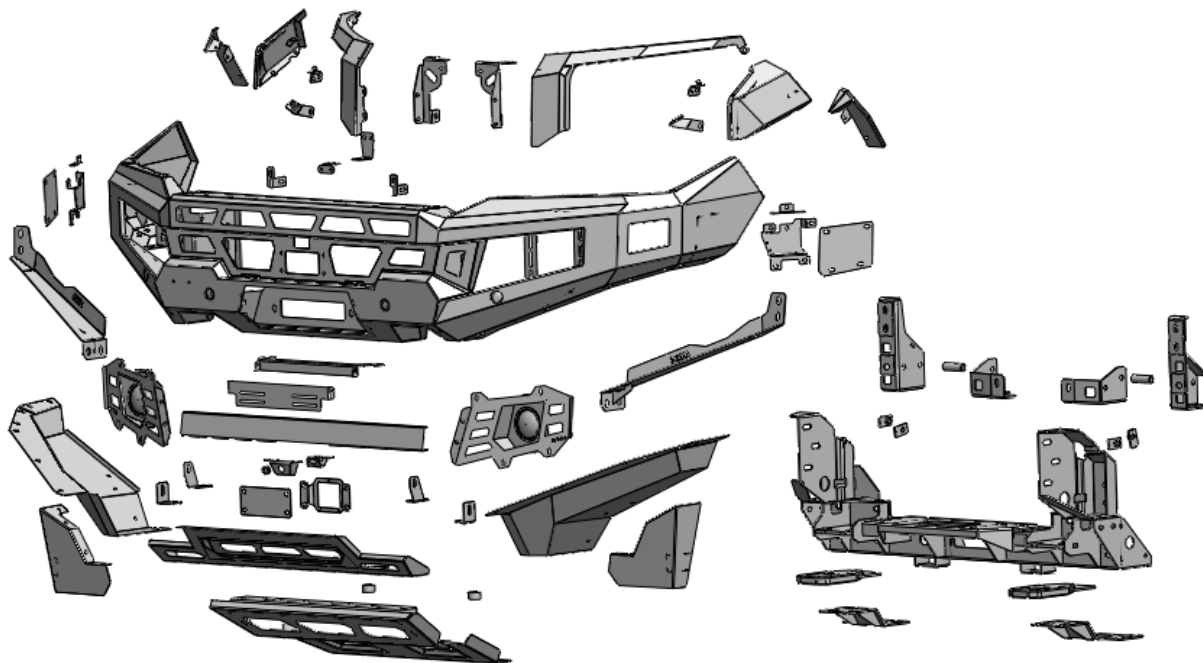
## WING SUPPORT

| ITEM | COMPONENT NAME      | Q'ty | REMARKS                                                                            |
|------|---------------------|------|------------------------------------------------------------------------------------|
| 112  | Wing Support RH     | 1    |  |
| 113  | Wing Support LH     | 1    |                                                                                    |
| 114  | Hex Bolt M10x35x1.5 | 8    |                                                                                    |
| 115  | Spring Washer M10   | 8    |                                                                                    |
| 116  | Flat Washer M10     | 16   |                                                                                    |
| 117  | Hex Nut M10x1.5     | 8    |                                                                                    |

## ACCESSORIES

| ITEM | COMPONENT NAME           | Q'ty | REMARKS                                                                             |
|------|--------------------------|------|-------------------------------------------------------------------------------------|
| 118  | Double sided adhesive 3M | 8    |  |
| 119  | Cable Tie                | 10   |                                                                                     |
| 120  | Sensor plugs 25.5 mm.    | 4    |                                                                                     |
| 121  | Sensor plugs 17.3 mm.    | 1    |                                                                                     |
| 122  | Mounting Plate ID25.5    | 2    |                                                                                     |
|      |                          |      |                                                                                     |

## COMPONENTS OVERVIEW



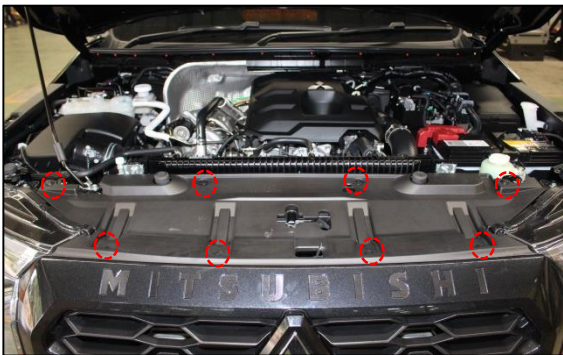
## TORQUE SETTING OF FASTENER

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

| Bolt Diameter<br>(mm.) | Class 8.8      |                   | Class 10.9     |                   |
|------------------------|----------------|-------------------|----------------|-------------------|
|                        | Torque ( Nm. ) | Torque ( ft-lb. ) | Torque ( Nm. ) | Torque ( ft-lb. ) |
| M6                     | 10.5           | 7.7               | 15             | 11.1              |
| M8                     | 25.5           | 18.8              | 36.5           | 26.9              |
| M10                    | 50.5           | 37.2              | 72.2           | 53.3              |
| M12                    | 88             | 64.9              | 126            | 92.9              |
| M14                    | 140            | 103               | 200            | 148               |

**FITTING PROCEDURE**

- 01** Locate the vehicle in a suitable position.



- 02** If a number plate is attached, remove it and set it aside for later reinstallation. Remove the plenum cover and keep the retaining clips for reinstallation



- 03** Remove the two clips on each side securing the top of the grille.

**\*\* Keep these clips and the grille for reinstallation.**

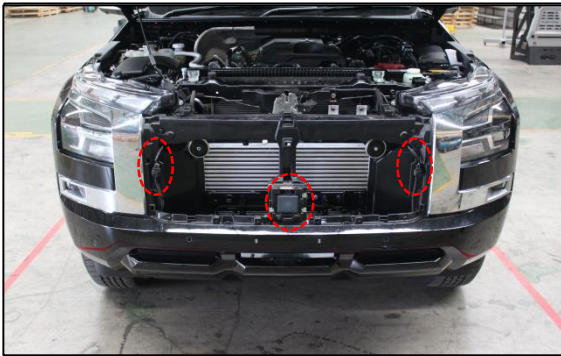


- 04** Disconnect the wiring harness for the front camera. Remove the grille from the vehicle. Disconnect the front camera plug located behind the grille.

**\*\* Keep the clips and grille for reinstallation.**



## FITTING PROCEDURE



- 05** Disconnect the wiring harnesses for the parking sensors, fog lights, and front radars

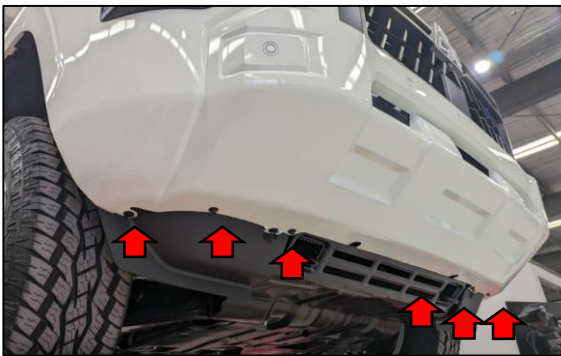


- 06** Remove the fog light housing surround and the bolt located behind it, next to the bulb.

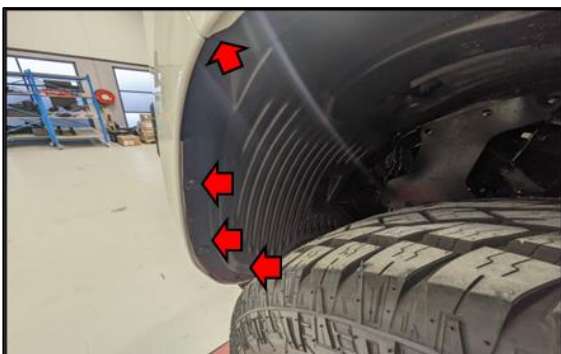
\*\* Repeat the procedure on the opposite side.



\*The appearance of the fog light housing may vary depending on the model



- 07** Remove all bolts along the base of the factory bumper, and then remove the bolts securing the factory underbody plate.



- 08** Remove the bolts and clips located inside the wheel arch that are securing the factory bumper and flares (if they are fitted). Ensure all fasteners are kept aside for reinstallation later.

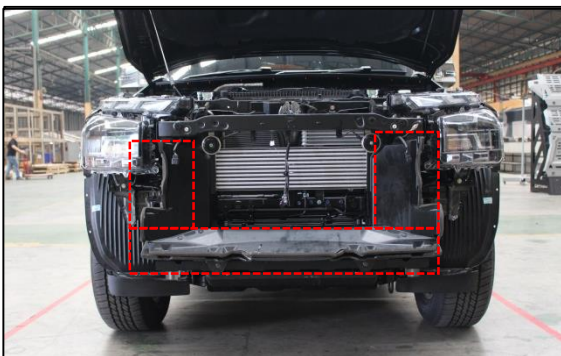
\* Repeat the procedure on the opposite side.

**FITTING PROCEDURE**

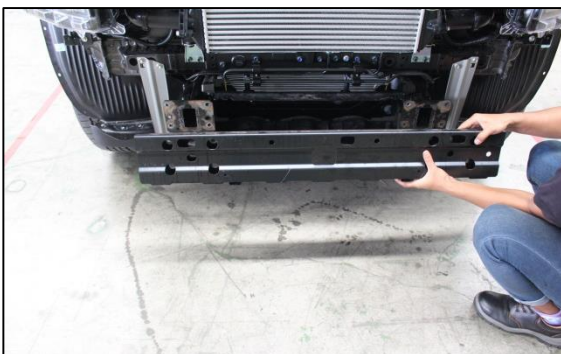
- 09** Unclip all the clips and remove the bolts securing the factory bumper.



- 10** Gently pull at the edges to release the bumper from the vehicle. Make sure to handle it carefully to avoid any damage during the process.



- 11** Remove the bumper support foam from the reinforcement bar. Then, remove front plastic cover.



- 12** Remove the bolts on each side that secure the reinforcement bar to the chassis rails.
- Next, remove the bolts on each side bracket at the rear of the reinforcement bar.
- Once all bolts are removed, take out the reinforcement bar from the vehicle.

**FITTING PROCEDURE**

- 13** Remove the bolts securing the factory bumper bracket to the vehicle body, and then remove the bracket.

\*Repeat this process on the opposite side.



- 14** Remove the underbody OE plate.



- 15** Remove the outer bumper clips from the front guards, as shown.

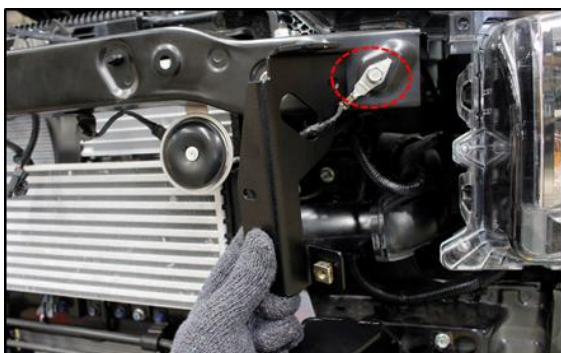


- 16** The position used to install the inner bracket of the LH side head lamp infill.

## FITTING PROCEDURE



- 17 Remove the bolt securing the ground wire and the OE M8 bolt on top of the rails. Disconnect the ground wire attached to the vehicle.



- 18 Insert the ground wire into the hole of the inner bracket (Item 85) of the LH side head lamp infill and reinstall the ground wire back into its original position.

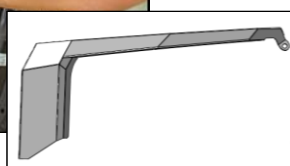


- 19 Secure the inner bracket of the LH side head lamp infill using an M6 bolt (M6x20x1.0), along with a spring washer and flat washer. Also, use the OE M8 bolt that was removed earlier to fasten it to the inner bracket.

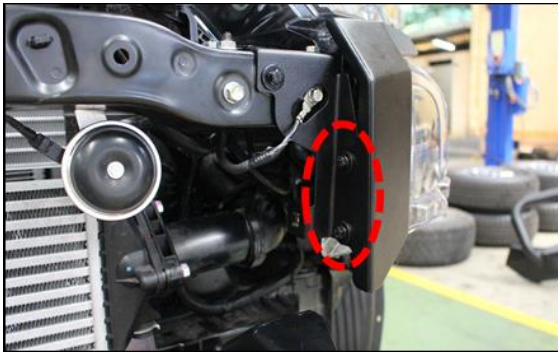


- 20 Install the head lamp infill (item 108) with the inner bracket and the vehicle.

\*\* Be careful to avoid scratching the head lamp, as it may cause damage. \*\*



## FITTING PROCEDURE



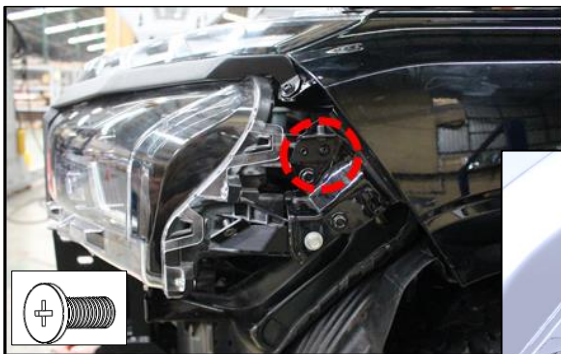
- 21** Securely install the component by using two M6 (M6x1.0x20) bolts, along with spring washers, flat washers, and flange nuts.

Ensure everything is tightened properly.

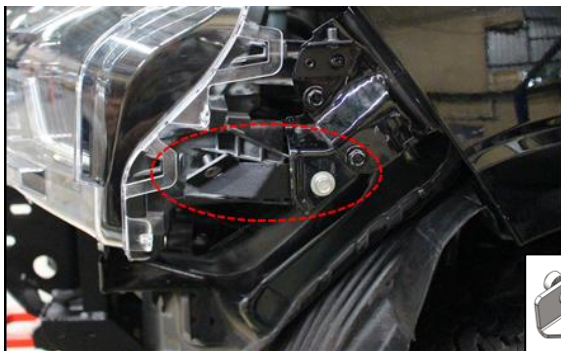
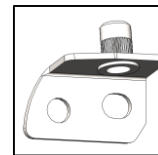
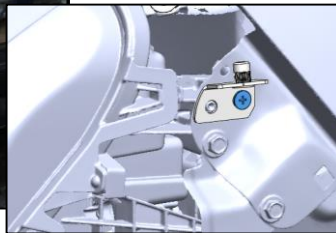


- 22** From the position indicated in the diagram, install the head lamp infill onto the vehicle. Use OE M6 bolts to ensure a secure attachment.

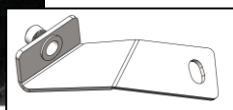
\*Repeat steps 16 – 22 for the opposite side.



- 23** Install the infill outside bracket 1 (Item 91) onto the vehicle at the position indicated in the diagram. Secure it with Thin-Phillips Head Screw (M6x16x1.0) to ensure a proper and secure installation.



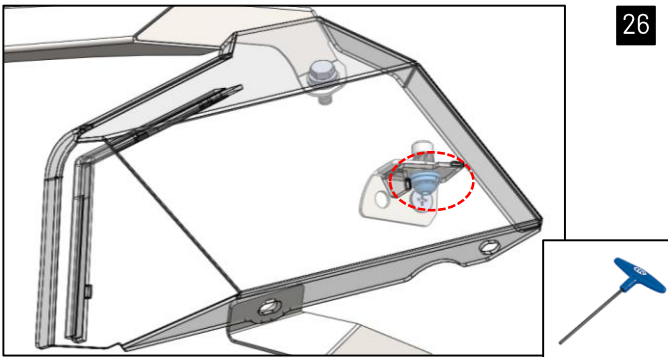
- 24** Loosen the OE M6 bolts. Fit the infill outside bracket 2 (Item 93) onto the vehicle, positioning it in the middle between the headlamp and fender flares as shown in the diagram. Secure it using the OE M6 bolts that were removed.



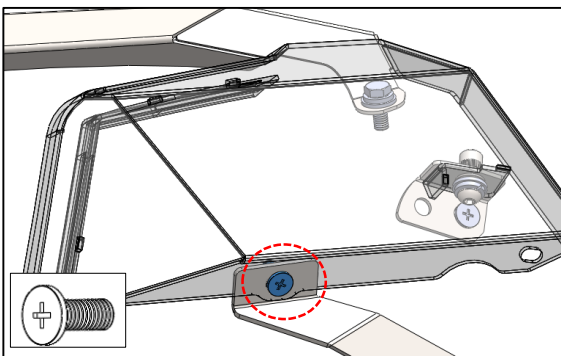
## FITTING PROCEDURE



- 25 Install the side infill (Item 87) onto the infill outside bracket 2.



- 26 Tighten securely using one button head bolts (M6x15x1.0), along with spring washers and flat washers, as shown in the example diagram.



- 27 Tighten securely using one Thin-Phillips Head Screw (M6x16x1.0), as shown in the example diagram.

\*Repeat steps 23 – 27 for the opposite side.



- 28 If your vehicle has a flare, install the Flares end cap (Item 102) by following the steps below.

**FITTING PROCEDURE**

- 29** Mask both sides with tape as shown in the picture, aligning it with the factory flare. Make sure to follow the alignment directions and refer to the lines on the side of the car to ensure accurate positioning

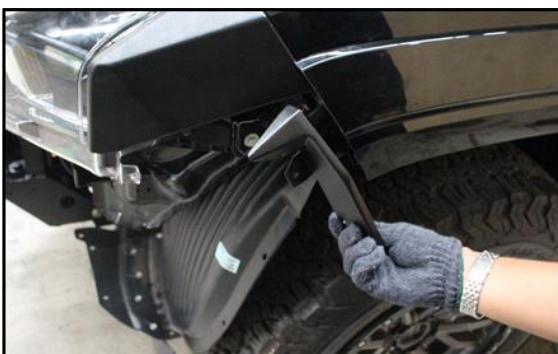


- 30** Cut the flares along the marked cutting line using an air saw or a similar tool.

Clean up the trimmed edges to ensure a smooth and finished appearance.

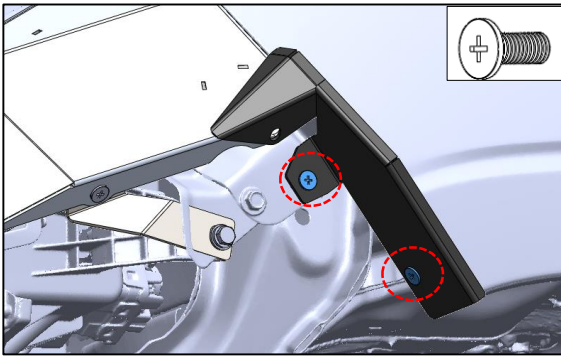


- 31** Reinstall the flares in their original position, ensuring they are properly aligned .

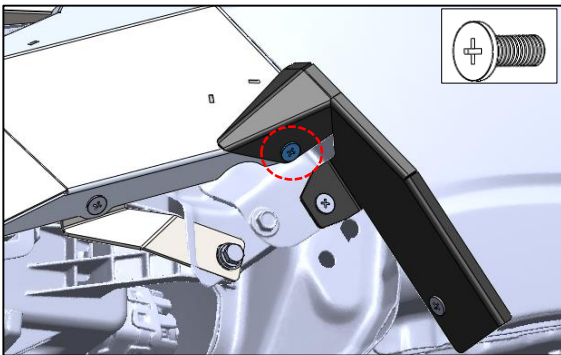


- 32** Install the Flares end cap by aligning it with the mounting holes and securing it to both the infill outside bracket and the vehicle. Ensure it is properly fitted and fastened.

## FITTING PROCEDURE



- 33** Secure the Flares end cap using two Thin-Phillips Head Screw (M6x16x1.0), flat washers OD20, and flange nuts. Refer to the diagram for the correct installation positions to ensure a proper and secure fit.



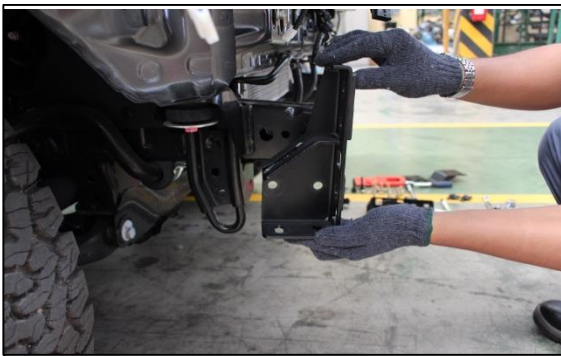
- 34** Secure the Flares end cap using one Thin-Phillips Head Screw (M6x16x1.0), flat washers OD14, and flange nuts. Refer to the diagram for the correct installation positions to ensure a proper and secure fit.



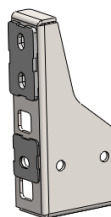
\*Repeat steps 29-34 for the opposite side.



- 35** Installation points for attaching the mounting bracket to the vehicle chassis.



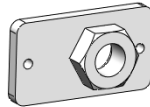
- 36** Install the chassis support (Item 5,6) into the chassis rail.



## FITTING PROCEDURE



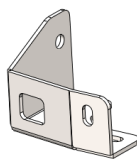
- 37** Insert the plate nut (M10 x 1.5P) into the hole of the chassis. Secure the chassis support by using an M10 bolt (M10x35x1.5), along with a spring washer, flat washer, and the plate nut.



- 38** Insert the tube OD 19 (Item into the hole of the chassis rails. Secure it using an M12 bolt (M12x90x1.75), along with a spring washer and flat washer.

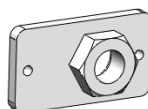


- 39** Install the chassis support inside the chassis rail. Secure it using an M12 hex nut (M12x1.75) and a flat washer.



- 40** Secure with an M10 bolt (M10x35x1.5), along with a spring washer, flat washer and plate nut.

\*Repeat steps 36-40 for the opposite.



**FITTING PROCEDURE**

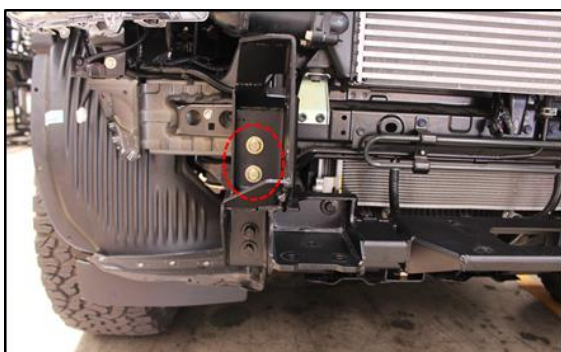
- 41** Install the chassis mounting bracket onto the chassis of the vehicle.



- 42** Secure the mounting bracket with eight M10 bolts (M10x30x1.25) in black, using spring washers and flat washers. Ensure all bolts are properly tightened as shown in the diagram



- 43** Secure with four M10 bolts (M10x35x1.5) in EDP coating, along with spring washers, flat washers, and hex nuts. Ensure all components are properly tightened.



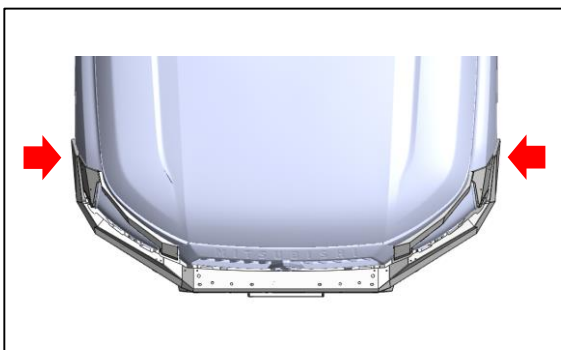
- 44** Secure with two M10 bolts (M10x35x1.5), along with spring washers, flat washers, and hex nuts. Ensure all components are properly tightened.

\*Repeat steps 42 for the opposite.

## FITTING PROCEDURE



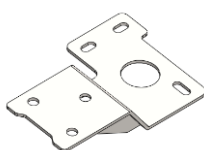
- 45** Fit the bumper bar onto the vehicle, ensuring it aligns correctly with the mounting points.



- 46** Adjust the bumper on the left and right sides to ensure they are even by moving the mounting bracket. Secure the mounting bracket, then remove the bumper.



- 47** Fit the recovery point bracket (Item 7,8) using three M10 bolts (M10x35x1.5), along with spring washers, flat washers, and hex nuts. Ensure all components are properly tightened.



- 48** Install the 8-ton recovery point (Item 24,25) using three M12 bolts (M12x55x1.5 Gr 10.9), along with spring washers, flat washers, and hex nuts. Ensure all components are securely tightened.

\*Repeat steps 43-44 for the opposite.



## FITTING PROCEDURE



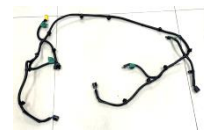
- 49** Tighten all bolts as specified in the manual. If you need to install a winch, do so at this stage before mounting the bumper onto the vehicle.

# IMPORTANT

- 50** Before removing the sensors from the original bumper bar, make sure to note the location and orientation of each sensor. This will ensure that when they are reinstalled into the bull bar, their original position can be accurately replicated.



- 51** Remove the parking sensor wiring and parking sensors from the factory bumper, carefully noting the position and orientation of each sensor to ensure proper reinstallation



- 52** . If your vehicle is equipped with them, disconnect and carefully remove the side front radars from each side of the factory bumper. Set them aside for transfer to the new bull bar.

### IMPORTANT

Ensure you do not drop the radars, as this could cause damage or malfunction."



**FITTING PROCEDURE**

- 53** Remove the foglight and repeat the procedure on the opposite side.

**NOTE:**

The appearance of the foglight housing may vary depending on the model variant.



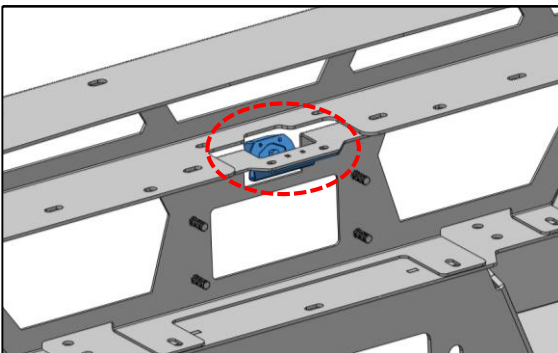
- 54** Disconnect the front camera plug located behind the grille, then remove the front camera from the grille and bracket.

**\*Keep the camera for reinstallation with the bumper.**  
**\*Handle with care.**

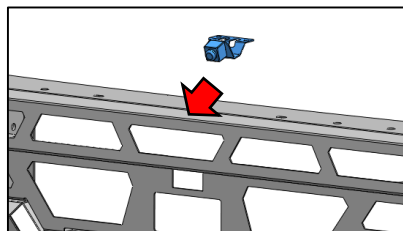


- 55** Fit the front camera to the camera bracket as shown.

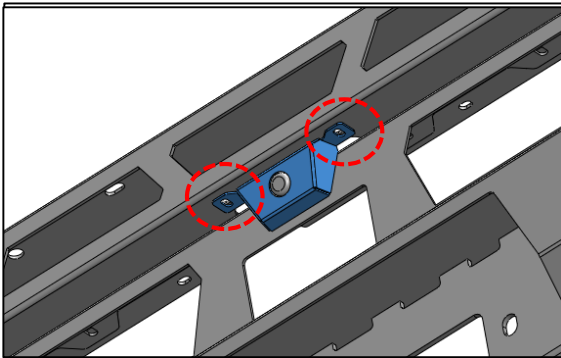
**\*Handle with care.**



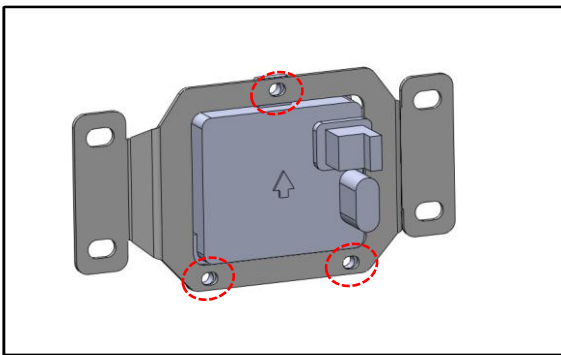
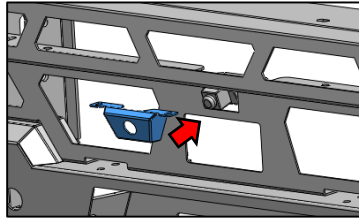
- 56** Fit the camera bracket to the bullbar using two button head bolts (M5x15x0.8), along with spring washers, flat washers, and hex nuts, as shown



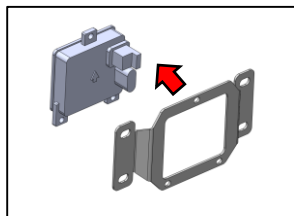
## FITTING PROCEDURE



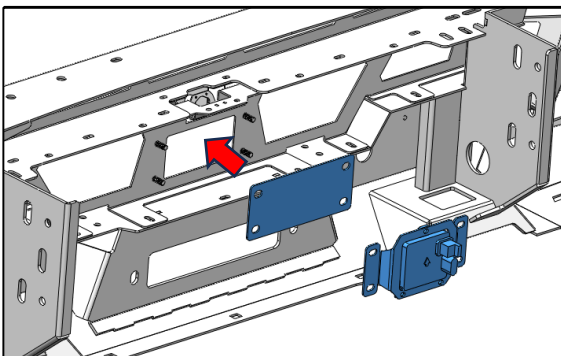
- 57** Fit the camera bracket cover to the bullbar using two button head bolts (M5x15x0.8), along with spring washers, flat washers, and hex nuts, as shown.



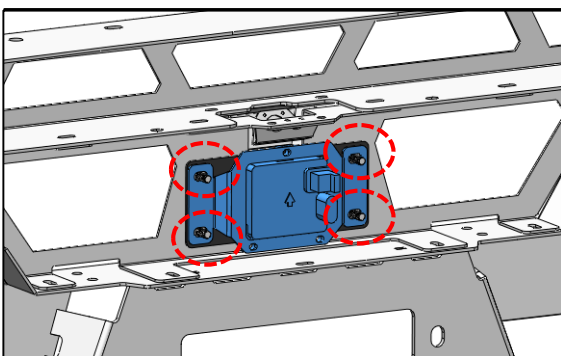
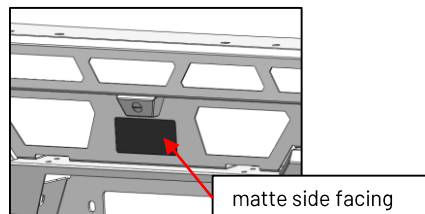
- 58** Attach the middle radar to the radar bracket using three button head bolts (M5x15x0.8) and hex nuts. Ensure all components are securely fastened as shown in the diagram.



**Do not drop the radars  
to avoid damage or malfunction**

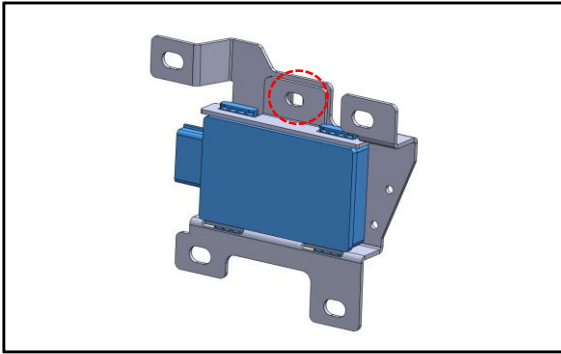


- 59** Attach the plastic radar cover plate and radar bracket to the bullbar, with the matte side facing outward.

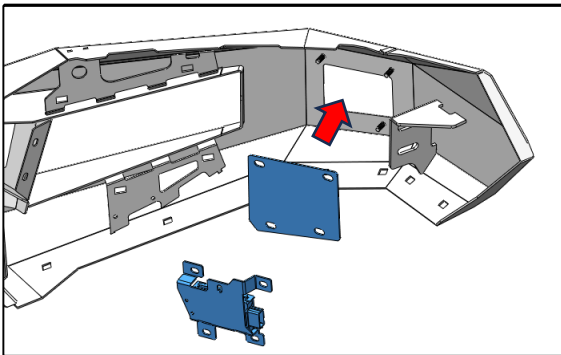
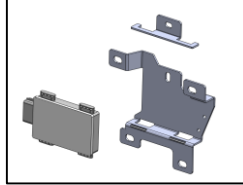


- 60** Install the plastic radar cover plate and radar bracket onto the bullbar using four M6 flange nuts and flat washers. Ensure all components are securely fastened as shown.

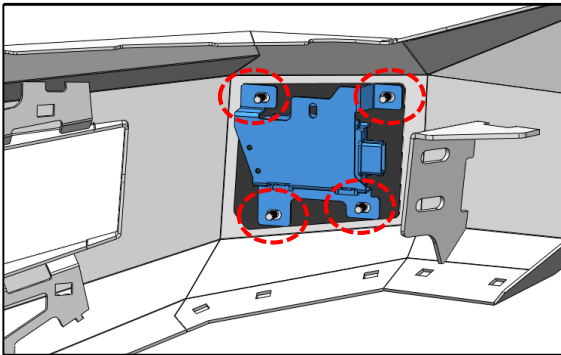
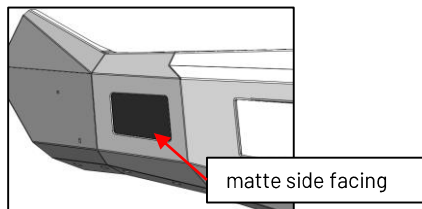
## FITTING PROCEDURE



- 61** Attach the side corner radar to the side radar bracket using button head bolts (M6x15x1.0), along with spring washers, flat washers, and flange nuts. Ensure all components are properly aligned and securely fastened as shown in the diagram

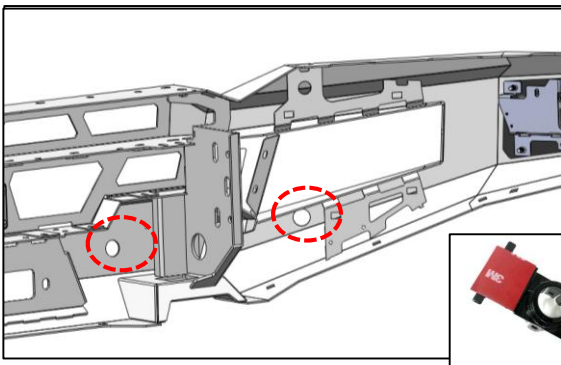


- 62** Attach the plastic radar cover plate and radar bracket to the bullbar, with the matte side facing outward, similar to the installation of the center radar.



- 63** Attach the side corner radar to the bullbar using four M6 flange nuts and flat washers, ensuring all components are securely fastened as shown.

\*Repeat steps 61-63 for the opposite side to complete the installation.



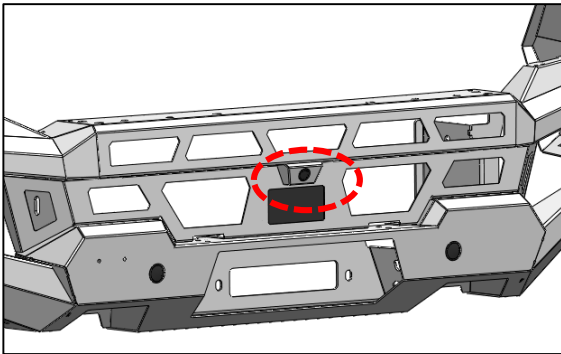
- 64** Clean the inside of the bull bar around the sensor holes and the mounting surface of the parking sensor holders.

Re-install the sensor brackets and apply double-sided adhesive to the parking sensor brackets.

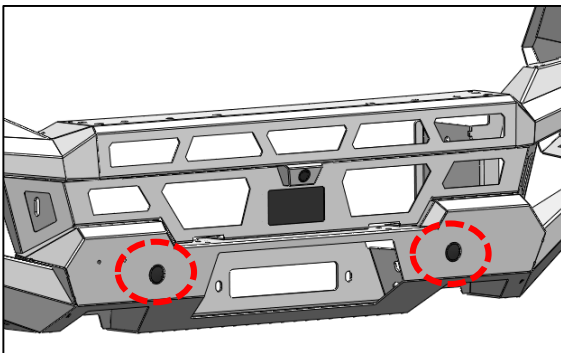
Re-install the parking sensors to the bull bar. This step is crucial to ensure that the sensor holders adhere properly to the bull bar.



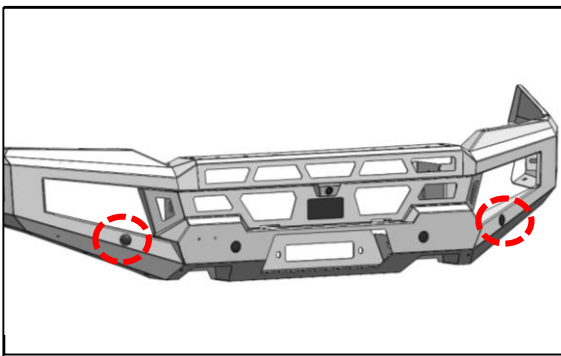
## FITTING PROCEDURE



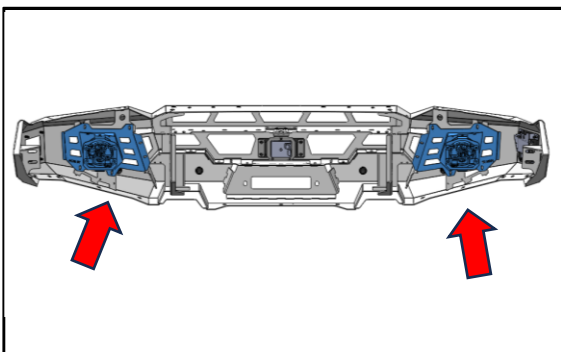
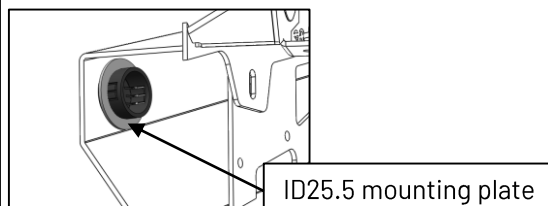
- 65 If the vehicle does not have a front camera , use 17.3mm. Sensor plugs to cover the holes.



- 66 If the vehicle does not have a front sensor, use 25.5 mm. Sensor plugs to cover the 2 center holes.

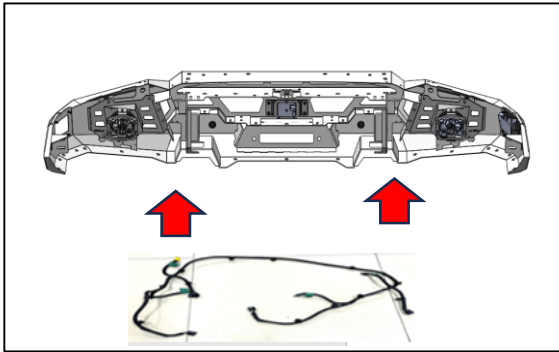


- 67 If the vehicle does not have front sensors, use a 25.5mm sensor plug and an ID25.5 mounting plate on the 2 outer holes.

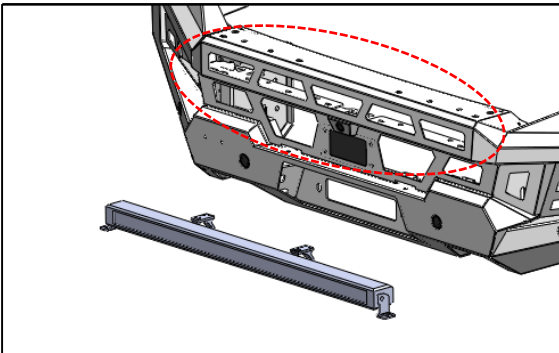


- 68 Attach the light frame to the bullbar .  
**Using the fitting kit and Fitting instructions .**  
 -PKB-LFFGLED0E70-MT24G  
 -PKB-LFFG0E90/PKFG1-MT24G  
 -PKB-LBDCL-MT24G

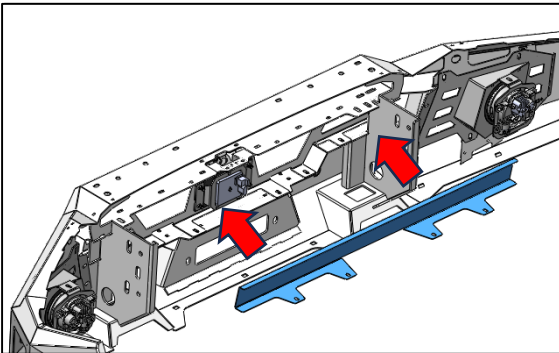
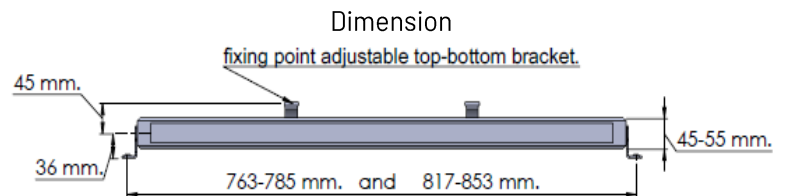
## FITTING PROCEDURE



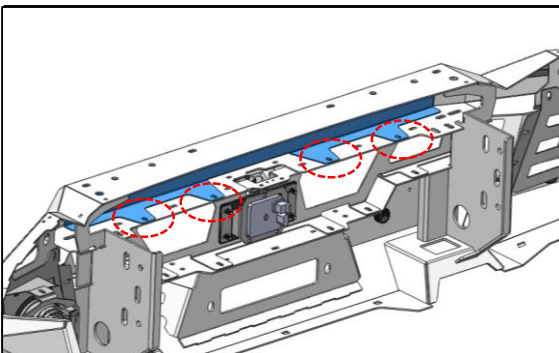
- 69** Run the factory wiring harness and re-install it onto the bull bar, ensuring all connections are secure and properly aligned.



- 70** Secure the light bar to the bumper.  
The suitable light bar size is 30-32 inches single row .fixing point adjustable top-bottom bracket.

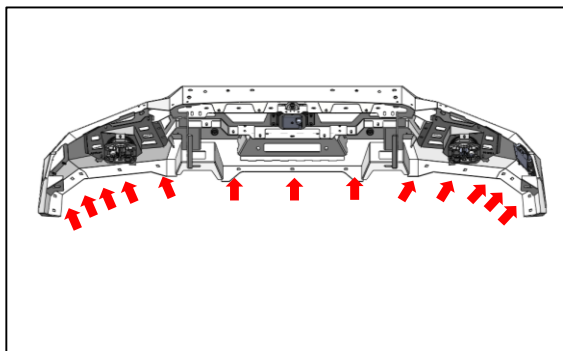


- 71** If a light bar is not installed, use the Light bar Cover plate.



- 72** Fit Light bar Cover plate on the bumper bar. using four M6 (M6x1.0x20) bolts Spring Washer ,flat washers and flange nuts.

## FITTING PROCEDURE



- 73** Insert seventeen M6x1.0x3T cage nuts into the designated slots on the bullbar.

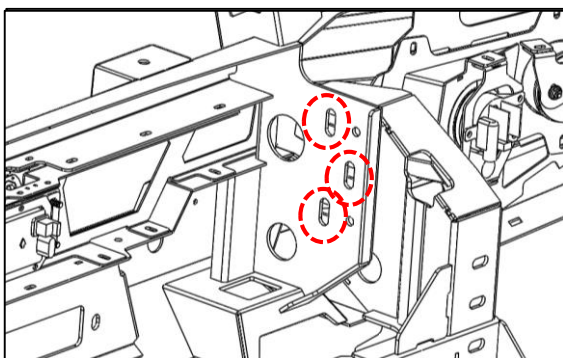
**Using the fitting kit and Fitting instructions .**

- PK105/106MT24G-URPAUS
- PK105/106MT24G-URPASIA
- PK105/106MT24G-PSAUS
- PK105/106MT24G-PSASIA

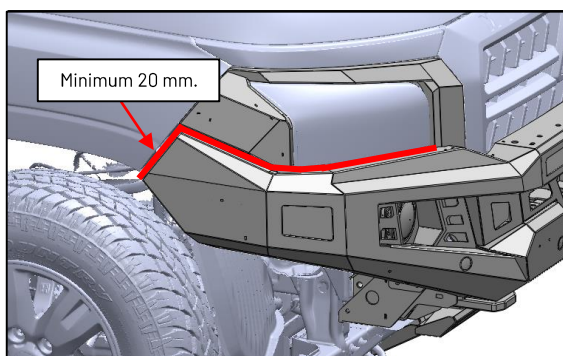


- 74** Lift the bull bar into position and align it with the chassis mounting holes

**\*\* If a bull bar assist lift isn't available, it's advised that two people handle this task to prevent injury or damage to the vehicle and its parts.**

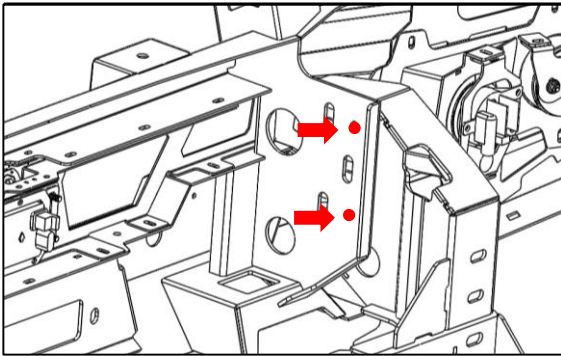


- 75** Lift the bull bar into position and align it with the chassis mounting holes. Secure it in place by using three M12 bolts (M12x1.5x35), along with spring washers, flat washers, and hex nuts.

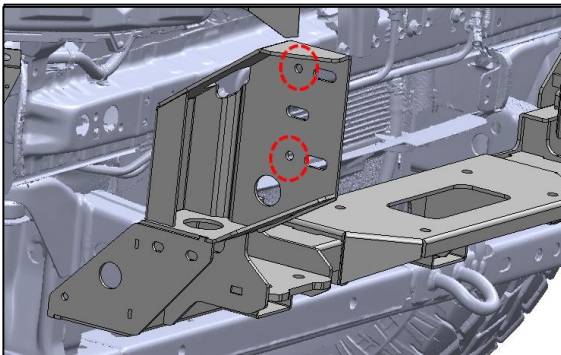


- 76** Align the bull bar so that there is a 20 mm gap between the car and the wing return of the bar, with the end of the wing in line with the wheel arch. Centralize the bull bar to the vehicle body, and lightly tighten the lower bolt on each side to allow for final adjustments to the correct position.

## FITTING PROCEDURE



- 77** Mark the location of the bullbar holes on the mounting bracket as shown in the picture. This is in preparation for drilling the holes in the next step

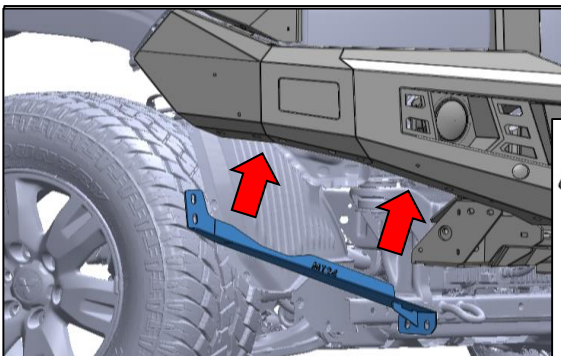


- 78** Remove the bull bar from the mounting bracket to reveal the marked positions. Use a drill to create two 10 mm holes through the mounting bracket. After drilling, deburr the edges and apply rustproof paint to protect the surface.

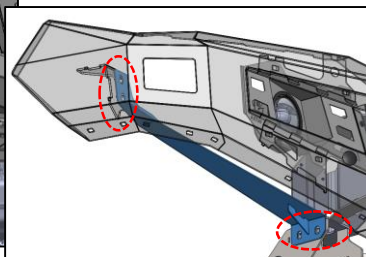


- 79** Secure the bullbar onto the mounting bracket using three M12 bolts (M12x1.5x35), spring washers, flat washers, and hex nuts. Additionally, use two M10 bolts (M10x1.5x35), along with spring washers, 20 mm OD flat washers, and hex nuts.

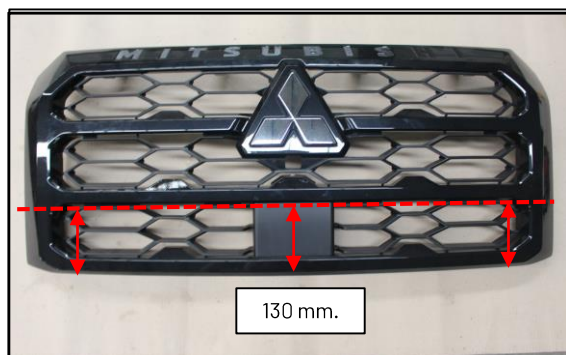
\*Ensure all bolts are tightened according to the torque specifications provided on page 8.



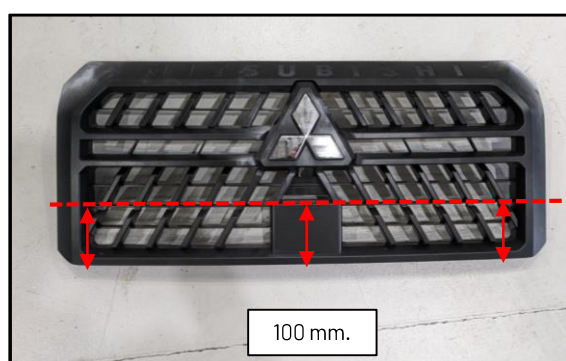
- 80** Place wing bracket (RH) to the bull bar. Secure with four M10 bolt (M10x35x1.5), spring washer, flat washer and hex nut as shown.



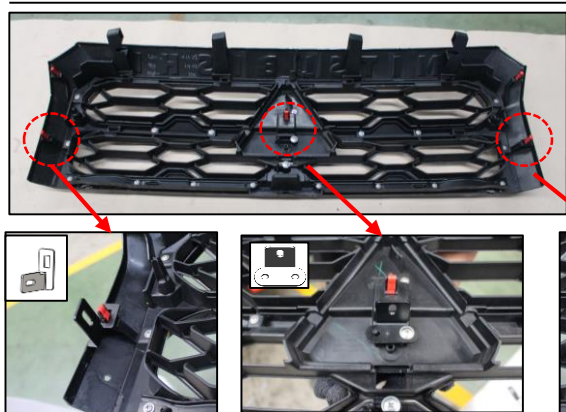
## FITTING PROCEDURE

**81 For GLS/GSR Models:**

1. Measure 130 mm from the reference point on the front grill as shown in the picture and mark it.
2. Cut the front grill along the marked line using an air saw.
3. Clean up the trimmed edges

**For GLS/GSR Models****82 For GLX/GSX+ Models:**

1. Measure 100 mm from the reference point on the front grill as shown in the picture and mark it.
2. Cut the front grill along the marked line using an air saw.
3. Clean up the trimmed edges

**For GLX/GSX+ Models****83 Installation position for the front grille bracket.**

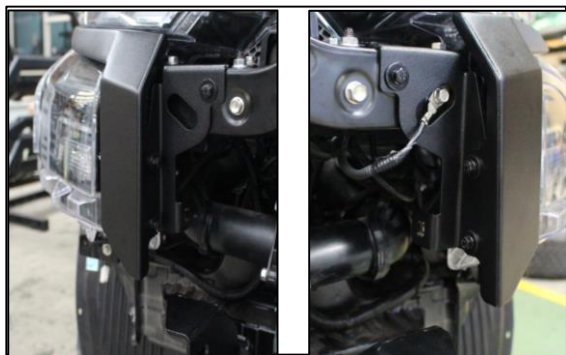
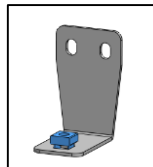
The position for inserting the grille bracket (ITEM 39, 40, 41) can be seen from the images provided.

**84**

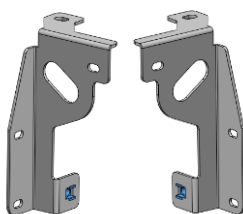
## FITTING PROCEDURE



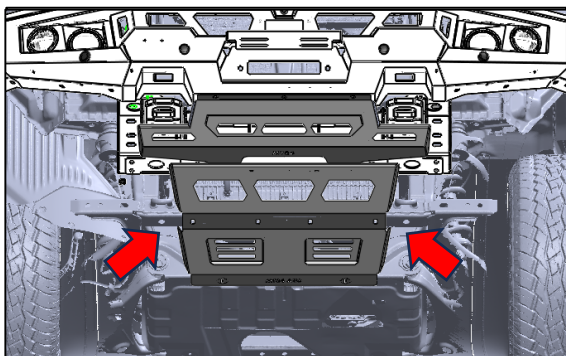
- 85** Attach the Front Grill Bracket-Canter 1 (item 38) to the vehicle using two hex bolts M6x20x1.0, spring washers, and flat washers OD14, as shown.
- Install the cage nut M6x1.0x3T onto the Front Grill Bracket-Canter 1.



- 86** Install the cage nut M6x1.0x3T onto the infill Inner Bracket RH/LH (item 88, 89).

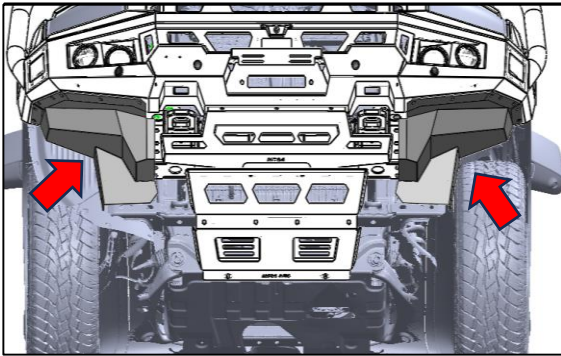


- 87** Connect all plugs for the lights, parking sensors, fog lights, front camera, and radars.
- If a winch is installed, ensure that all functions are tested and operating correctly.
- Reinstall the front grille to the vehicle using three hex bolts M6x20x1.0, spring washers, and flat washers.



- 88** Install the radiator plate into the bullbar.
- Using the fitting kit and Fitting instructions .**
- PK105/106MT24G-URPAUS
  - PK105/106MT24G-URPASIA

## FITTING PROCEDURE



- 89 Install the side plate into the bullbar.

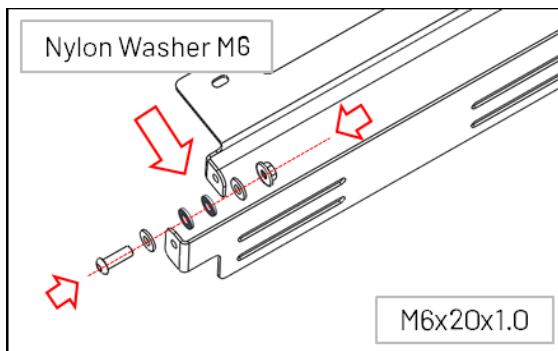
**Using the fitting kit and Fitting instructions .**

-PK105/106MT24G-PSAUS

-PK105/106MT24G-PSASIA

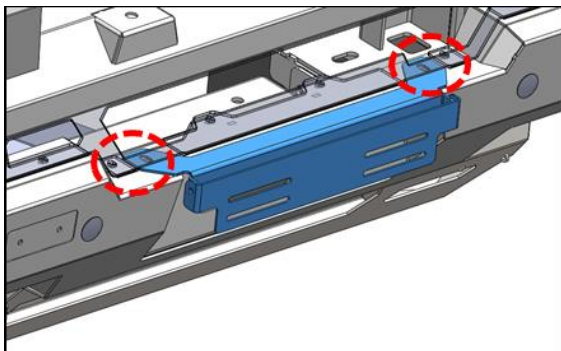


- 90 Reinstall all the clips and the plastic radiator cover.



- 91 Assemble the license plate bracket using two M6 button head bolts, flat washers, nylon washers, and nyloc nuts as shown.

Do not fully tighten



- 92 Fit the assembled license plate bracket to the bull bar using M6 bolts (M8x20x1.25), spring washers, flat washers, and flange nuts.

**FITTING PROCEDURE**

**93** Now the PIAK Genesis Bar is fully installed,

- verify that all lights, cameras, and radars are functioning correctly by re-testing them.

