



# STEEL

# BRUSH RAIL KITS

## FITTING INSTRUCTIONS



# ISUZU D-MAX 2012-2016

## PK402ID12

**Fitting Time : approx. 1 hours**

Steel Brush Rail Kits Isuzu D-Max 2012-2016

SD-RD-FT/SS-09

Rev.01 (17-SEP-2019)



## **BRSUH RAIL 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. Torque , Socket wrench
2. Screw driver
3. Open spanner

## PARTS LIST

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

Steel Side Rail			
Item	Component Name	Q'ty	Remarks
1	Side Rail (RH)	1	
2	Side Rail (LH)	1	
Connector Side Rail			
Item	Component Name	Q'ty	Remarks
3	Side Rail Clamp Straight 78 deg (RH)	2	
4	Side Rail Clamp Straight 78 deg (LH)	2	
5	Hex Socket Button Head M8x70x1.25 EDP	6	
6	Flat Washer M8 Edge 16 EDP	12	
7	Nut Lock M8x1.25 EDP	6	
8	Side Rail End Plug d=2"	2	
9	Piak Logo Sticker Mylar 23x61 mm.	2	

## 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 to the suitable area.

**2** If side steps are already fitted with step returns remove them and retain the four M8 bolts, washers and nuts.



**3** Fit the side rail into the ends of the side steps by using M8 bolt kits removed earlier.



**4** Use Side Rail Internal Clamp for connecting the Side Rail with the Bull bar.



**5** Attach Side rail internal clamp onto the bullbar and Side rail.

## FITTING PROCEDURE



- 6** The distance between the Side Rail Internal Clamp and Wing of Bull bar is around 6".



- 7** Drill a hole from Side Rail Internal Clamp through the Bullbar.



- 8** Fit an EDP Hex Socket Button Head (M8x70x1.25), Flat Washers and Lock Nut.



- 9** Drill two holes from Side Rail Internal Clamp through the Side Rail.

## FITTING PROCEDURE



- 10** Fit two EDP Hex Socket Button Heads (M8x70x1.25), Flat Washers and Lock Nuts.



- 11** The condition after fitted bolts.

- 12** Do the same with item 2-22 on RH side.

