



# POST TYPE PREMIUM WINCH BAR

## FITTING INSTRUCTIONS



# NISSAN NAVARA NP300 2015 ON

**PK105SNND23P**

**Fitting Time : approx. 3 hours**



## **BULL BAR SAFETY NOTICE:**

INSTALLATION SHOULD ONLY BE DONE BY APPROPRIATELY QUALIFIED OR EXPERIENCED PERSONS IN ACCORD- ANCE 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 manufac- turer.

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 as- sist" 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 characteris- tics cannot be anticipated, ***the driver remains responsible at all times for properly controlling the vehi- cle, 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 preventa- tive 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.**


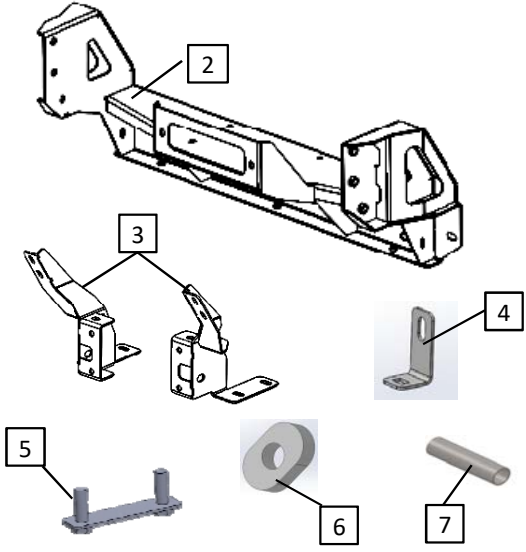
**BY USING THIS PRODUCT YOU ACKNOWLEDGE AND AGREE THAT TO THE EXTENT PERMITTED BY LAW PIAK WILL NOT ACCEPT LEGAL OR OTHER LIABILITY FOR ANY LOSS, INJURY OR DAMAGE CAUSED BY INCORRECT OR INAPPROPRIATE INSTALLATION OR USE OF THE PRODUCT.**

## TOOLS REQUIRED

1. Metric socket and spanners
2. Phillips and flat head screw driver
3. Torque wrench
4. Marking pen
5. 2" Masking tape
6. Jigsaw
7. Test lamp or multi-meter
8. Drill and metric drill bits

## PARTS LIST

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

Steel Bull bar			
Item	Component Name	Q'ty	Remarks
1	Winch Bull bar		
Chassis Mounts to Vehicle			
Item	Component Name	Q'ty	Remarks
2	Chassis mount bracket RH&LH	1	
3	Chassis mount support bracket RH&LH	2	
4	Protection plate bracket	2	
5	Bolt Plate M12x1.25	1	
6	Chassis mount spacer 32x20x12T	4	
7	Spacer tube 16x65 mm.	2	
8	Hex Bolt M12x35x1.25 Zn	4	
9	Hex Bolt M12x40x1.25 Zn	2	
10	Hex Bolt M12x35x1.5 Zn	6	
11	Spring Washer M12 Zn	14	
12	Flat Washer M12 Zn	14	
13	Hex Nut M12x1.25 Zn	2	
14	Hex Bolt M10x40x1.5 Zn	4	
15	Spring Washer M10 Zn	6	
16	Flat Washer M10 Zn	8	
17	Hex Bolt M10x100x1.25 Zn	2	
18	Flange Nut M10x1.25 Zn	2	
19	Hex Bolt M8x30x1.25 Zn	4	
20	Hex Bolt M8x25x1.25 Zn	4	
21	Spring Washer M8 Zn	8	
22	Flat Washer M8 Zn	16	
23	Flange Nut M8x1.25 Zn	8	

Protection Plates to Bar			
Item	Component Name	Q'ty	Remarks
24	Center Protection Plate	1	
25	Rear Center Protection Plate	1	
26	Protection Plate RH	1	
27	Protection Plate LH	1	
28	Hex Bolt M8x25x1.25 Zn	5	
29	Spring Washer M8 Zn	5	
30	Flat Washer M8 Zn	5	
31	Hex Bolt M6x20x1.0 EDP	18	
32	Spring Washer M6 EDP	18	
33	Flat Washer M6 EDP	18	
34	Cage Nut M6x1.0x3T	18	

Winch Control Plate			
Item	Component Name	Q'ty	Remarks
35	Winch Control Plate	1	
36	Hex Bolt M6x20x1.0 Zn	2	
37	Spring Washer M6 Zn	2	
38	Flat Washer M6 Zn	2	
39	Flange Nut M6x1.0 Zn	2	

License Plate Bracket			
Item	Component Name	Q'ty	Remarks
40	License Plate Bracket	1	
41	Hex Bolt M6x20x1.0 Zn	4	
42	Spring Washer M6 Zn	4	
43	Flat Washer M6 Zn	6	
44	Cage Nut M6x1.0x3T Zn	2	
45	Flange Nut M6x1.0 Zn	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 in a suitable position.

**2** Rest the bullbar on a surface that will not scratch the bar.



**3** Remove the clips that retain the grille at the top. Keep for re-fitment of grille.



**4** Unclip and remove the grille from vehicle and place on a soft surface.

Notice- Refer to vehicle repair manual for correct removal procedure.



**5** Remove and discard the original bolts securing the lower section of the bumper as indicators.



## FITTING PROCEDURE



- 6** Remove and discard the bumper lower cover out from the vehicle.



- 7** Remove the lower bolts securing the bumper to the vehicle.



- 8** Remove the clips and screws retaining the outer edge of the bumper to the inner guard.



- 9** Carefully remove the bumper from the vehicle.

If unsure about bumper removal refer to the workshop manual.

## FITTING PROCEDURE



- 10** Remove the plastic bumper retainer next to the front guard from the vehicle, remove the lower section as shown.

Repeat for the opposite side.



- 11** Remove and discard the plastic air deflector from the front intrusion beam.

Repeat for the opposite side.



- 12** Remove and discard front bumper support brackets from the vehicle.



- 13** Remove and discard the inner bumper support brackets from either side of the vehicle.



## FITTING PROCEDURE



- 14 Remove and discard outer bumper support brackets from either side of the vehicle.



- 15 Remove and discard clips and plastic lower out of the vehicle



- 16 Remove and discard the four bolts from the front of the intrusion beam.

- 17 Remove and diiscard the front intrusion beam.



- 18 Remove and discard the original bolts from the under body guard.

## FITTING PROCEDURE



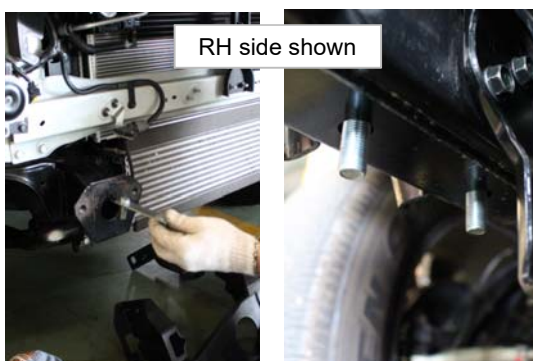
- 19 Remove and discard the under body guard.



- 20 Re-fit the grill onto the vehicle by using the retaining bolts.

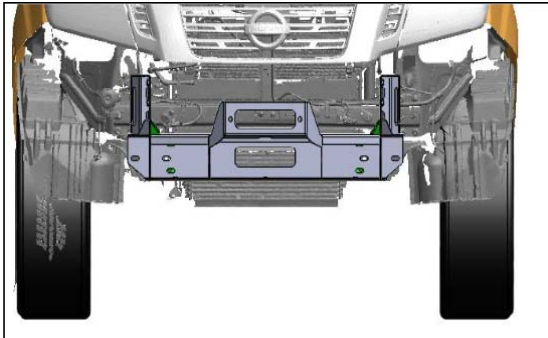


- 21 Remove and retain the LH original bolts and lower chassis support bracket.



- 22 Insert bolt plate onto the RH chassis mount of vehicle.

## FITTING PROCEDURE



- 23 Lift the chassis mounting bracket onto the chassis of vehicle.



- 24 Secure mounting bracket onto the chassis by using four M12 bolts (M12x35x1.25), spring washers and flat washers.



- 25 Attach RH chassis mount support bracket onto the chassis mount.

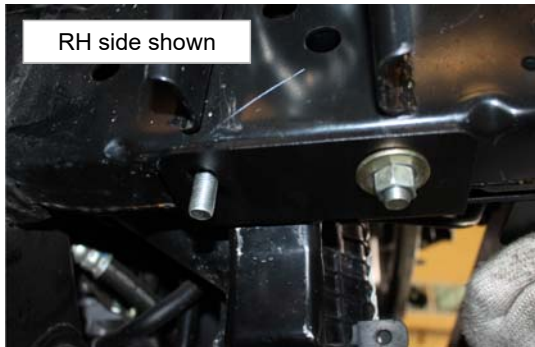


- 26 Un-clip the temperature sensor from the air guide.

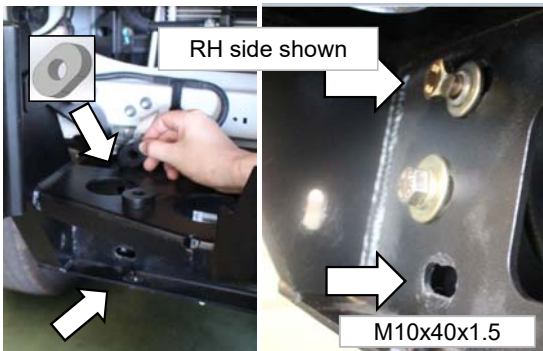
- 27 Insert air guide at the rear hole of chassis mount support bracket and re-clip.



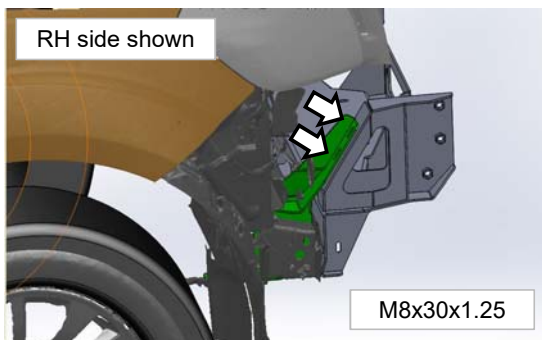
## FITTING PROCEDURE



**28** Secure the bolt plate at lower RH chassis mount by using two flat washers, spring washers and hex nuts.



**29** Insert two chassis mount spacers at the rear of chassis mount and secure with two M10 bolts (M10x40x1.5), spring washers and flat washers



**30** Secure with two M8 bolts (M8x30x1.25), spring washers, flat washers and flange nuts.

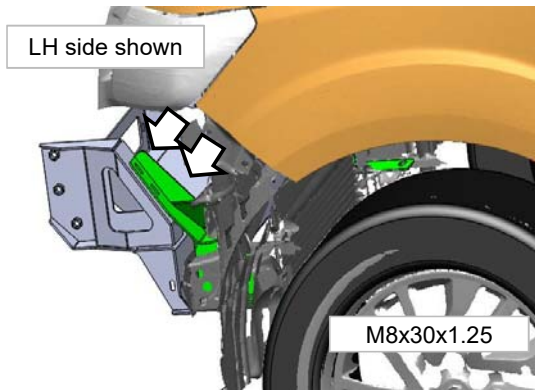


**31** Attach LH chassis mount support bracket onto the chassis mount.

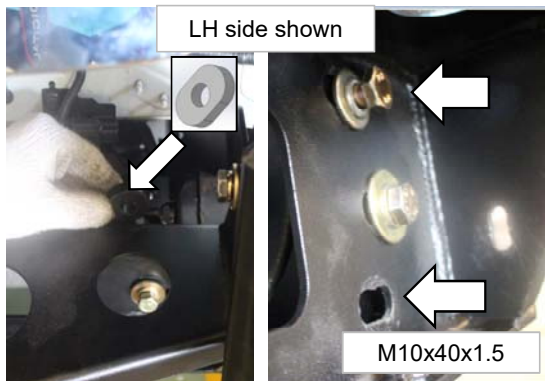


**32** Secure lower chassis support bracket onto the lower LH chassis mount by using two M12 bolts (M12x40x1.25), spring washers and flat washers.

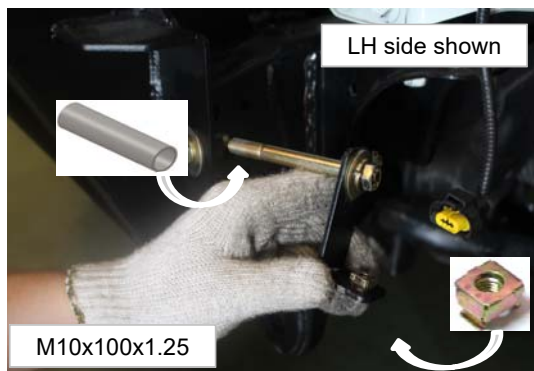
## FITTING PROCEDURE



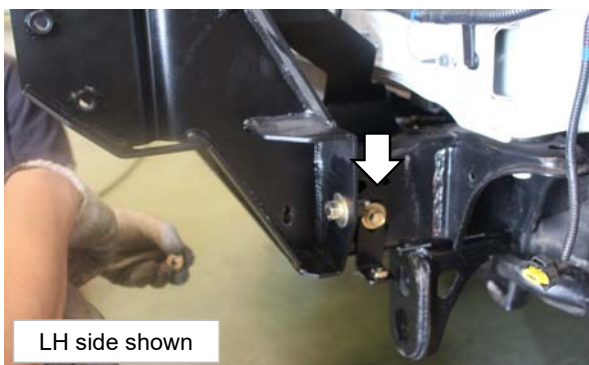
- 33** Secure with two M10 bolts (M8x30x1.25), spring washers, flat washers and flange nuts.



- 34** Insert two chassis mount spacers at the rear of chassis mount and secure with two M10 bolts (M10x40x1.5), spring washers and flat washers



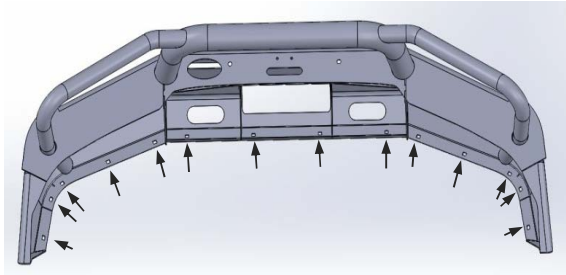
- 35** Insert M6 cage nut onto the protection plate bracket.
- 36** Insert M10 bolt (M10x100x1.25), spring washer, flat washer and tube plate onto the another side of protection plate bracket.



- 37** Secure to the chassis mount bracket by using flat washer and flange nut.
- 38** Repeat in step 35-37 for the opposite side.



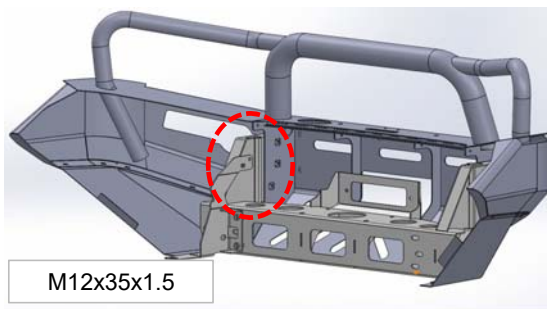
## FITTING PROCEDURE



**39** Insert fourteen M6 cage nuts onto the bullbar as indicators.

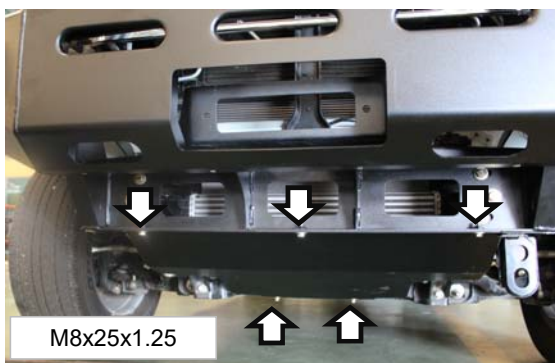


**40** With the help of an assistant lift the bar onto the chassis of the vehicle.

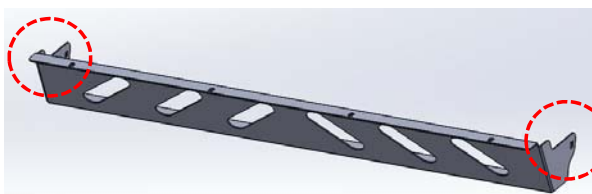


**41** Secure bull bar onto the chassis mounting bracket by using three M12 bolts (M12x35x1.5), spring washers and flat washers.

**42** Repeat for the opposite side.



**43** Fit rear center protection plate onto the vehicle by securing five M8 bolts (M8x25x1.25), spring washers and flat washers as indicators.



**44** Secure two M6 cage nuts at beside of center protection plate as shown.

## FITTING PROCEDURE



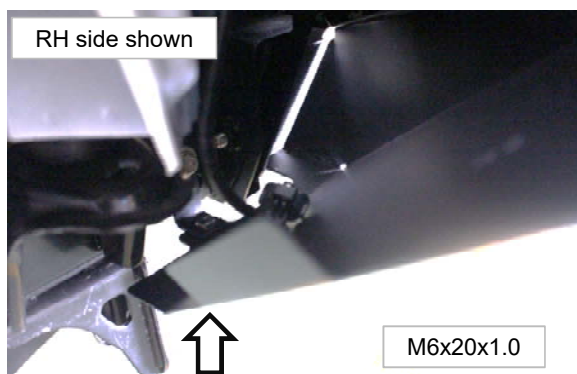
- 45 Fit center protection plate onto the bull bar and secure with four M6 bolts (M6x20x1.0), spring washers and flat washers.



- 46 Secure the rear of center protection plate through mounting bracket by using M6 bolt (M6x20x1.0), spring washer and flat washer from either side of center protection plate.



- 47 Fit outer protection plate onto the bull bar and secure with five M6 bolts (M6x20x1.0), spring washers and flat washers.



- 48 Fit outer protection plate through the protection plate bracket by using M6 bolt (M6x20x1.0), spring washer and flat washer.

- 49 Repeat for the opposite side.

## FITTING PROCEDURE

