



The Company

Founded in 1995, AFN - 4x4 Accessories dedicates itself to the production and commerce of all-terrain accessories. Its constant concern in its customers total satisfaction, and in the ideals of innovation and transformation have granted a position of notability both in the national and international panorama.

The only company in Portugal in the mass production of 4x4 accessories, relies on specialized and experienced technicians, with the most adequate knowledge, to an efficient response capability to its customers demands.

Thanks to the specialization in the several areas of design and manufacture and to a constant investment in technology, AFN has been broadening its wide range of products, without ever neglecting the quality factor.

4x4 Accessories

In its diversity of products we can include, with all-terrain quality, protection, safety and aesthetic accessories.

And it is here that AFN invest on the best technology, the best cut precision of the raw material, and the transformation of products with the quality recognized in the marketplace.

AFN has, at its disposal, resources to test and analyse the resistance of its products and stands in the front row regarding the European homologation of materials dedicated to all terrain.

The contact with the most important test laboratories for vehicles, both in England, Spain and Germany, provides AFN with the know-how to manufacture a wide range of quality products.

Our Design Approach

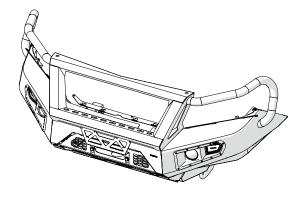
AFN designs each accessorie taking into consideration the original model lines and fixing points. We refuse to have a "one design fits all" solution and we are always looking foward to embrace new challenges on how to adjust a new product into a new model! The days of just throwing on a bit of steel together to form a protection system are gone. AFN is leading the way modern vehicle protection components are manufactured. Other will follow, and it won't be long where the AFN approach to Styling, Fit, Form and Function will become the benchmark for all other manufacturers.







INDEX



AFN 4x4 Accessories

Product: Bullbar Part Ref.: 48002421

Product: Front Bumper Part Ref.: **48002621**

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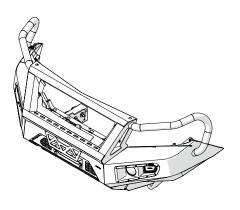


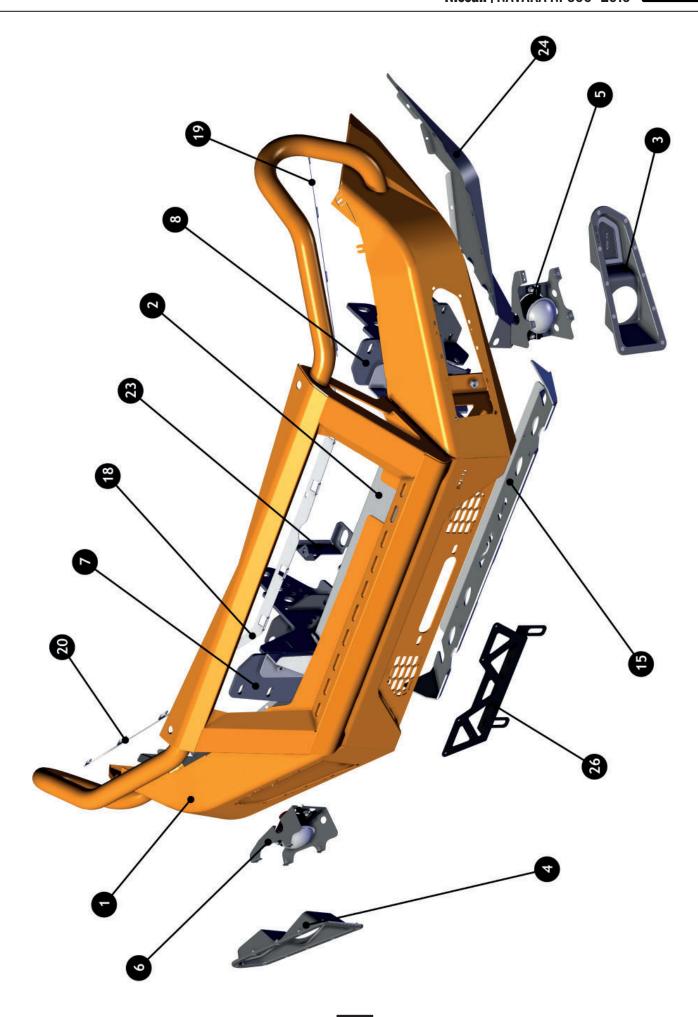


- In this section you have a checklist with all parts included for the installation of your AFN product
- This product should be installed as demonstrated in the product fitting instructions
- If verified that any component is damaged, please contact your nearest AFN distributor
- The specified parts will only fit in the models specified by AFN
- Do not modify any component of the product

This checklist is for product 48002421 and 48002621.

NUMBER	DESCRIPTION	REFERENCE	QTY	NUMBER	DESCRIPTION	REFERENCE	QTY
1	Bullbar Navara NP300	47001844	1x	28	Washer M10	45000010	24x
2	Winch Bracket - NP300	47001944	1x	29	Washer M8	45000011	4x
3	AFN Led Lights - Mask (Left Side)	48002544	1x	30	Nylock Nut M10	45000017	16x
4	AFN Led Lights - Mask (Right Side)	48002545	1x	31	Washer M12	45000036	30x
5	Aluminium Bracket w/ Fog Light (Left Side)	48002579	1x	32	Bolt M12x30	45000037	12x
6	Aluminium Bracket w/ Fog Light (Right Side)	48002580	1x	33	Washer M10	45000039	8x
7	Winch Reinforcement (Right Side)	47001847	1x	34	Bolt M6x20	45000043	3x
8	Winch Reinforcement (Left Side)	47001848	1x	35	Washer M6	45000050	бх
9	Reinforcement (Right Side)	47001853	1x	36	Bolt M8x20	45000058	2x
10	Reinforcement (Left Side)	47001854	1x	37	Nylock Nut M12	45000066	10x
11	Reinforcement (Left Side)	47001852	1x	38	Bolt M12x35	45000067	4x
12	Reinforcement (Right Side)	47001851	1x	39	Bolt M10x35	45000069	12x
13	Reinforcement (Left Side)	47001850	1x	40	Nylock Nut M6	45000074	3x
14	Reinforcement (Right Side)	47001849	1x	41	Bolt M12x120x35	45000201	4x
15	Front Skid Plate	46007394	1x	42	Bolt M5x15	45000273	8x
16	Side Winch Bracket Shim 2mm thickness	46007392	2x	43	Side Rubber 30cm	45000502	2x
17	Side Winch Bracket Shim 4mm thickness	46007391	2x	44	Washer M6	45000931	10x
18	Grill Bracket	46007191	1x	45	Nylock Nut M5	45000946	8x
19	Headlight Rubber's Bracket (Left Side)	46007047	1x	46	Bolt M10x25	45000956	4x
20	Headlight Rubber's Bracket (Right Side)	46007046	1x	47	Washer M12	45000995	2x
21	Square Nut M12	46007001	4x	48	Bolt M6x20	45000998	10x
22	Intercooler Bracket (Left Side)	46006976	1x	49	Washer M5	45001002	16x
23	Intercooler Bracket (Right Side)	46006975	1x	50	Cage Nut M6	45001012	10x
24	Left Flap	46006974	1x	51	Bolt M12x30	45001027	2x
25	Right Flap	46006973	1x	52	Headlight Rubber 55cm	45001053	2x
26	Plate Bracket	46005518	1x	53	Plastic Nut	45001113	8x
27	Bolt M10x30	45000007	4x	54	Bolt M3,5x16	45001123	8x









WARNING:

Before you begin installation, read all instructions thoroughly. Proper tools will improve the quality of installation and reduce the time required.

- This product should be installed as demonstrated in the Product «Fitting Instructions»;
- The specified parts, will only fit the models specified by AFN;
- Do not modify any component of the product;
- It is recommended that this product is installed by specialized and trained personnel;
- AFN doesn't take responsability for changes made in the vehicle by its manufacturer;
- Work safely and use specialized tools at all times;
- Always use protective gear.









Size	Torque Nm	Torque lbft		
M6	9 Nm	7 lbft		
M8	22 Nm	16 lbft		
M10	44 Nm	32 lbft		
M12	77 Nm	57 lbft		

Mouting Time

- 4 hours
- 2 persons (recommended)

Tools Required

- Screwdriver star head
- Screwdriver flat head
- Wrench
- Ratchet wrench
- Allen wrench
- Crane



Step 1 - Remove the OEM* Bumper

Remove the *OEM** front bumper just as specified by the vehicle manufacturer in your maintenance manual.

In order to be perfect, some adjustments needs to be done in the grill so, remove it aswell.

Be careful so you don't break the fasteners on the grill.



Once that is done, remove the *OEM RECOVERY POINT.

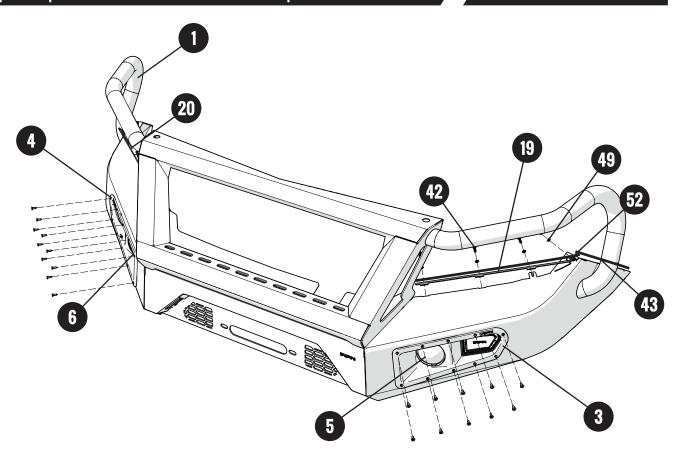
(Be aware that you must save all *OEM bolts and nuts.)





Step 2 - Preparation of the AFN Bullbar/Front Bumper

Preview















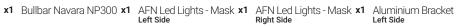










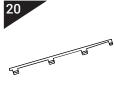








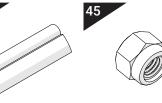
x1 Headlight Rubber's Bracket Left Side



x1 Headlight Rubber's Bracket x8 Bolt M5x15 Right Side



x2 Side Rubber 30mm



x8 Nylock Nut M5



x16 Washer M5



x2 Headlight Rubber 50mm

Step 2 - Preparation of the AFN Bullbar/Front Bumper

Installation

ATTENTION!

The following step only applies if the AFN LED Lights are not mounted, or if by any case there is a need to dismount it. Proceed to next Step.

Before inserting the AFN Bullbar | Front Bumper(1) on the vehicle there are some details that we advise to do first (so, place it on a flat working surface).

Take on the Left AFN Led Lights Mask(3) and fit it into the AFN Bullbar | Front Bumper(1) using 10x Bolts M4x16 (They go with AFN LED Light kit).

Plase be in mind that there is no need to overtight these bolts, because the rubber masks will be crushed causing an unpleasant look.

Repeat this step for the other side with Right AFN Led Lights Mask(4) using 10x Bolts M4x16 (They go with AFN LED Light kit).

If you done it correctly it should look like the image on the right.

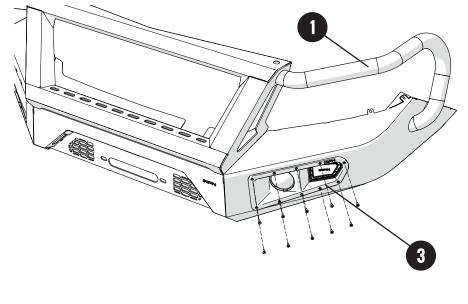
Once that is done, take on Left Rubber Bracket(19) and fit it into AFN Bullbar | Front Bumper(1).

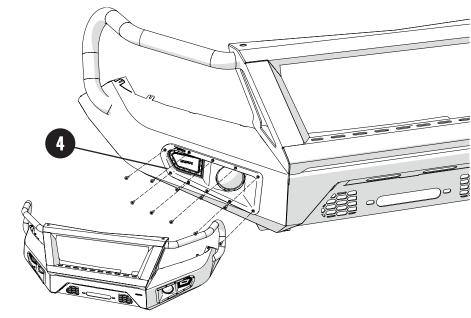
Use 4x Bolts M5x15(42) with 8x Washers M5(49) and 4x Nylock Nuts M5(45).

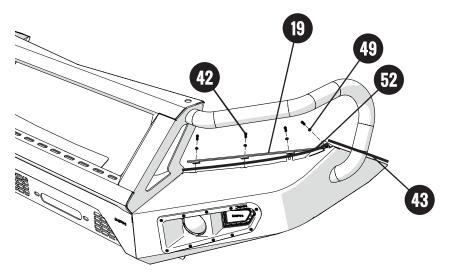
Fit the Headlight Rubber(52) and Side Rubber(43) in the Left Rubber Bracket(19).

Repeat this step for the other side on Right Rubber Bracket(20).

Once everything is correctly fitted, Give the final torque on all bolts.

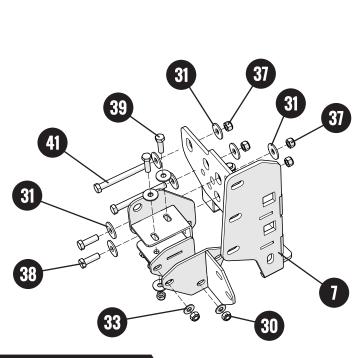


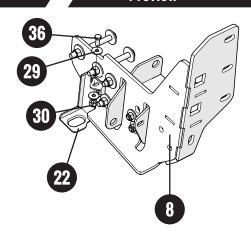




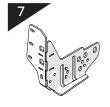
Step 3 - Fitting the Winch Reinforcements on Vehicle

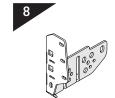
Preview

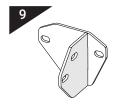


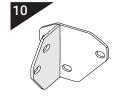


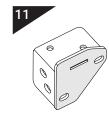
Parts needed:

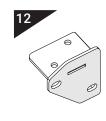






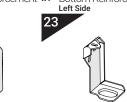


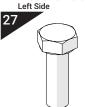




x1Winch Reinforcement
Right Sidex1Winch Reinforcement
Left Sidex1Bottom Reinforcement
Left Sidex1Middle Reinforcement
Left Sidex1Middle Reinforcement
Left Sidex1Middle Reinforcement
Left Side



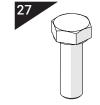








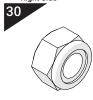
x1 Intercooler Bracket Right Side



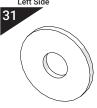
x1 Top Reinforcement Left Side



x1 Top Reinforcement Right Side

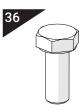


x1 Intercooler Bracket Left Side





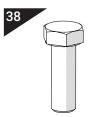
x4 Bolt M10x30



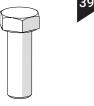
x8 Washer M10

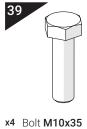


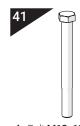
x4 Washer M8 x8 Nylock Nut M10 x16 Washer M12 x8 Washer M10 x2 Bolt M8x20 x8 Nylock Nut M12



x4 Bolt M12x35









x4 Bolt M12x120x35



Step 3 - Fitting the Winch Reinforcements on Vehicle

Installation

Take Right Winch on Reinforcement(7) and fit it into the vehicle, using 2x Bolts M12x35(38) with 4x Washers M12(31) and 2x Nylock Nuts M12(37).

Then, fit the rear part of Right Winch Reinforcement(7) using 2x Bolts M12x120x35(41) with 4x Washers M12(31) and 2x Nylock Nuts M12(**37**).

Just finger tight all bolts

Do Not tighten yet.

Once that is done, assemble the Right Reinforcements using parts(9),(12), (14) and fit it into the vehicle.

Start by fitting Top Right Reinforcement(14) with Middle Right Reinforcement(12) using 2x Bolts M10x35(39) with 4x Washers M10(28) and 2x Nylock Nuts M10(30).

Then, fit the **Bottom** Right Reinforcement(9), using 2x Bolts M10x30(27) with 4x Washers M10(33) and 2x Nylock Nuts M10(30).

Just finger tight all bolts

Do Not tighten yet.

Then, take on the supplied **Intercooler** Bracket(23) and fit it in the inner side of the Right Reinforcement(7).

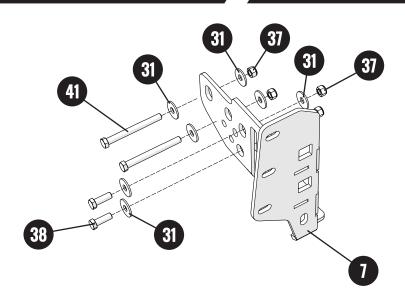
Using 1x Bolt M8x20(36) with 2x Washers M8(29) and 1x Nylock Nut M8(**30**).

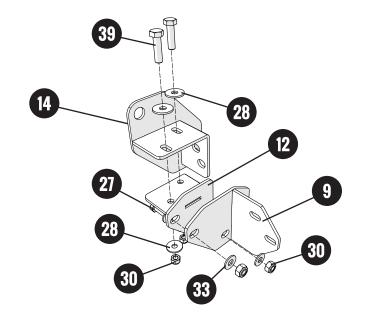
Please note that the red circles are meant for the *OEM rubbers.

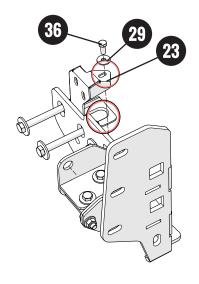
Just finger tight all bolts

Do Not tighten yet.

Repeat these steps for the right side using the the parts correspondent to that side (10), (11), (13).

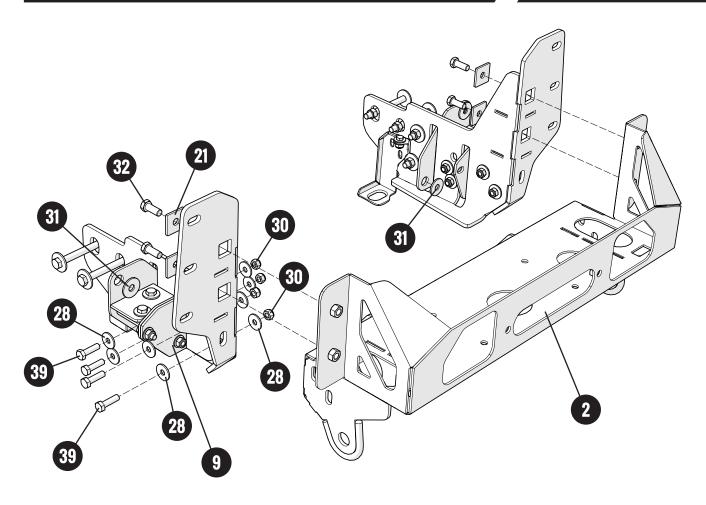






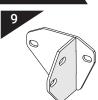
Step 4 - Fitting the Winch Bracket to the Chassis

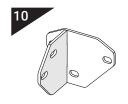
Preview



Parts needed:

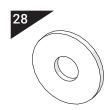




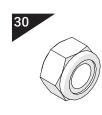




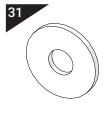
x4 Square Nut M12



x16 Washer M10

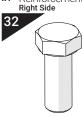


x1 Winch Bracket

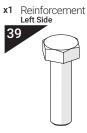


x4 Washer M12

x1 Reinforcement Right Side



X4 Bolt M12x30



x8 Bolt M10x35

x8 Nylock Nut M10



Step 4 - Fitting the Winch Bracket to the Chassis

Installation

With help of another person or a crane, fit the Winch Bracket(2) onto the Chassis. Bolts needed:

Use 4x Bolts M12x30(32) with 4x Square Washers M12(21).

Just finger tight both bolts Do Not tighten yet.

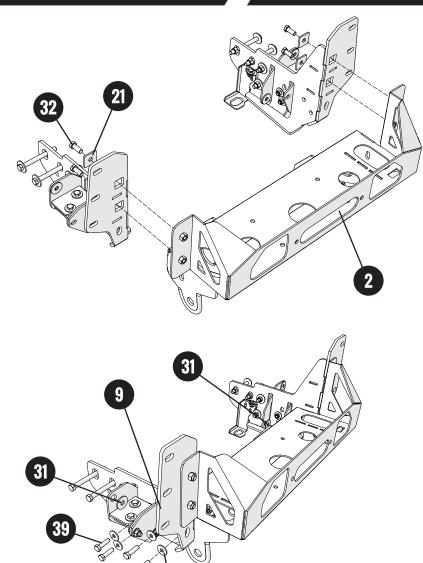
Once the Winch Bracket(2) is secured, fit the Left Reinforcement(9) connecting the Chassis to the Right Winch Reinforcement(7).

Use 4x Bolts M10x35(39) with 8x Washers M10(33), two on each bolt and 4x Nylock Nut M10(30).

Then fit the assembled part into the vehicle using 2x *OEM Bolts with 2x Washers M12(31). (One the inner and other on the outter side, as shown)

Repeat these steps for the **Left** Reinforcement(10).

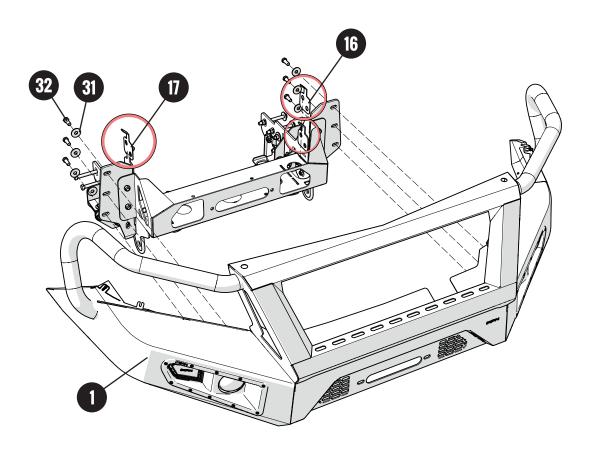
Just finger tight all bolts Do Not tighten yet.

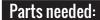


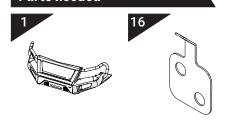


Step 5 - Fitting the AFN Bullbar | Bumper in the Winch Bracket

Preview

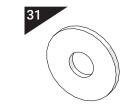


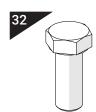




x1 Bullbar Navara NP300 x2 Winch Bracket Shim Side - 2mm thickness x2 Winch Bracket Shim Side - 4mm thickness x6 Washer M12







x6 Bolt **M12x30**



Step 5 - Fitting the AFN Bullbar | Bumper in the Winch Bracket

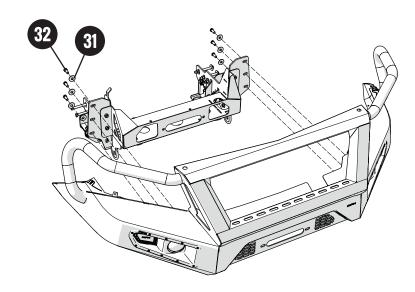
Installation

With help of another person or a crane, lift the AFN Bullbar | Bumper(1) and place it over the Winch Bracket(2), as showed in the image above.

Use 6x Bolts M12x30(32), with 6x Washers M12(31).

Just finger tight all bolts

Do Not tighten yet.



ATTENTION!

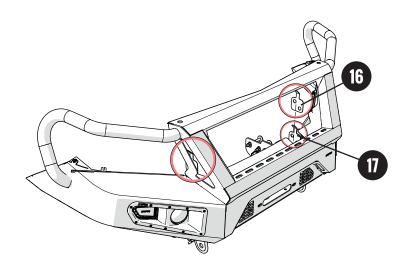
When everything is correctly fitted, please check and use, if needed, the supplied shims with 2mm thickness(16) and 4mm thickness(17), to adjust the best way the Winch Bracket(2) to the body and Chassis.

Mind that this is a precision task, please take time to correctly assemble this step.

See **Step4** to see the bolts used.

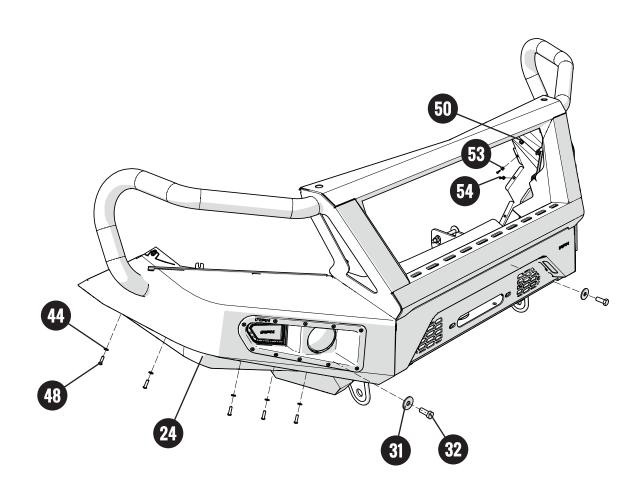
Use them only if you have to, they are opcional and may not be needed.

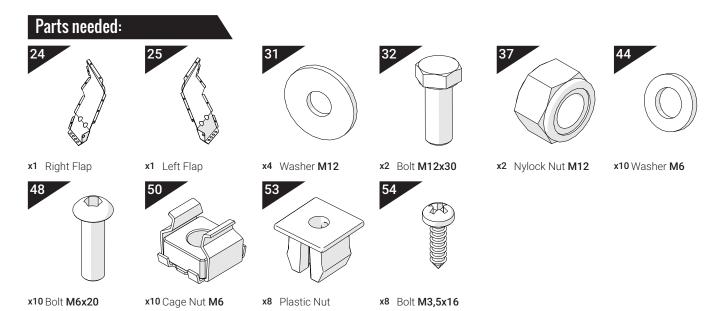
Once everything is correctly fitted, Give the final torque on all bolts.



Step 6 - Fitting the AFN Bullbar | Bumper in the Winch Bracket

Preview







Step 6 - Fitting the AFN Bullbar | Bumper in the Winch Bracket

Installation

Take on Right Flap(24) and fit it the AFN Bullbar | Front Bumper(1).

But first we advise to fit 5x Cage Nuts M6(50) on top of it and 4x Plastic Nuts M3,5(53) on the bottom.

Tip1:

You may use a rubber mallet to easily fit the 4x Plastic Nuts (53).

Tip2:

You may use a screwdriver to easily fit the 5x Cage Nuts(50).

Once that is done fit the top of the Right Flap(24) in the AFN Bullbar I Front Bumper(2).

Use 5x Bolts M6x20(48), with 5x Washers M6(44).

Then, fit the front of the Right Flap(24).

Use 1x Bolt M12x30(32) with 2x Washers M12(31) and 1x Nylock Nut M12(37).

Just finger tight both bolts

Do Not tighten yet.

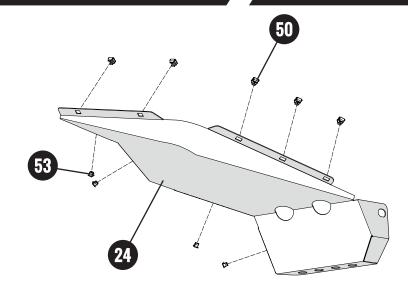
Push the **Right Flap(24)** to the *OEM** plastic fenders and mark the cut line, then cut OEM* plastic fender.

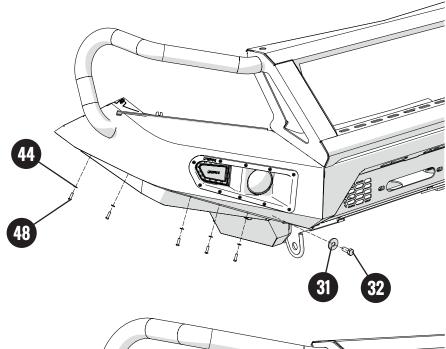
Mark a hole on the inner side of wheel fender.

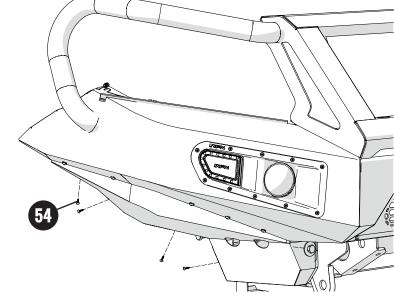
Drill a 2mm diameter hole and fix the flaps through these holes using 4x Bolt M3,5x16(54).

Give the final torque.

Repeat all theese steps on the other side for the **Left Flap(25)**.



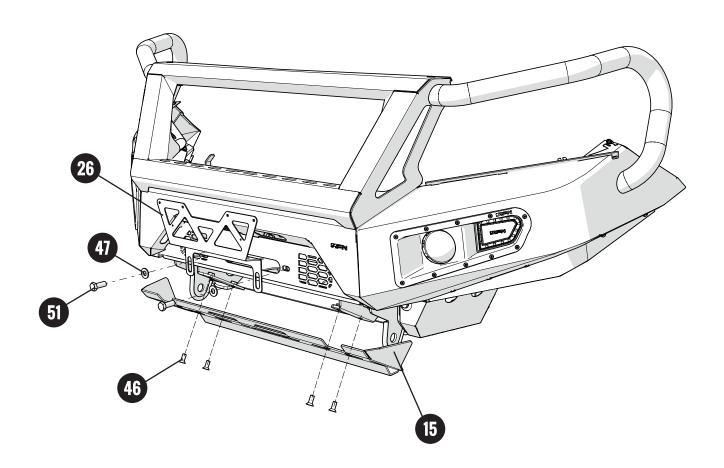


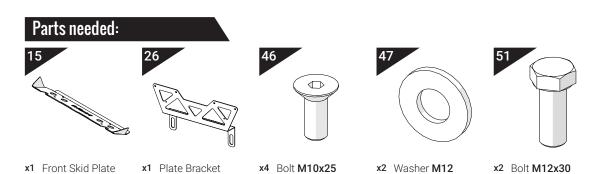




Step 7 - Fitting the Wheel in the Wheel Carrier

Preview





Step 7 - Fitting the Wheel in the Wheel Carrier

Installation

Take on Front Skid Plate(15) and fit it beneath AFN Bullbar | Front Bumper(1).

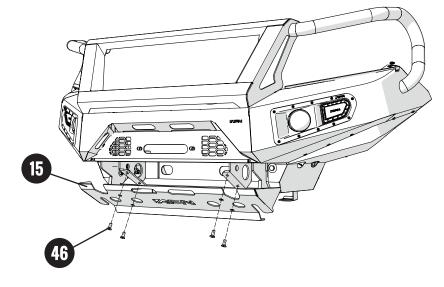
Use 4x Bolts M10x25(46).

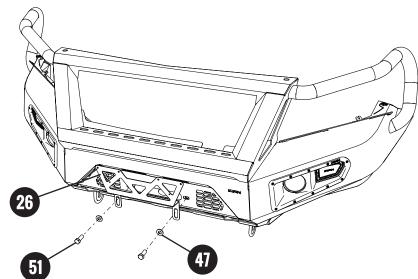
Give the final torque.

Once that is done, take on Plate Bracket(26) and fit it on AFN Bullbar | Front Bumper(1).

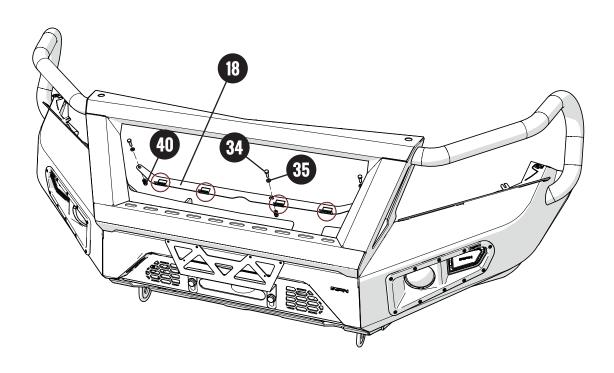
Use 2x Bolts M12x30(51) with 2x Washers M12(47).

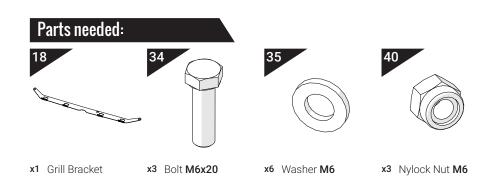
Give the final torque.





Preview





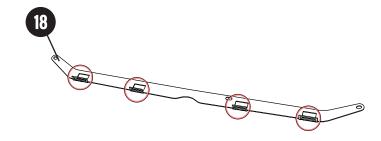


Step 8 - Fitting the Grill Bracket

Installation

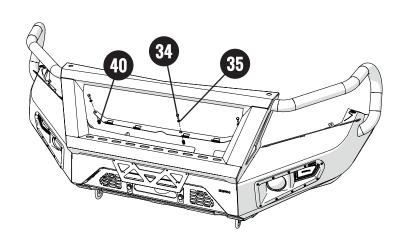
Finally it's time to fit the **Grill Bracket** (18) into the OEM* Grill.

Use the fasteners in order to fit the Grill Bracket(18) into the OEM* Grill.



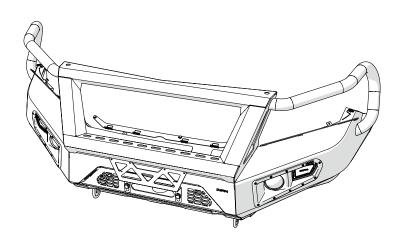
Once that is done, fit both Grill Bracket(18) and OEM* Grill in the vehicle.

Use 3x Bolts M6x20(34) with 6x Washers M6(35) and 3x Nylock Nuts M6(**40**).



Give the final torque.

If you done it correctly this is what it should look like.



Step 9 - Final Result

Preview



Your new **AFN BULLBAR | FRONT BUMPER** is now installed on your **Nissan NAVARA NP300**! Have Fun!

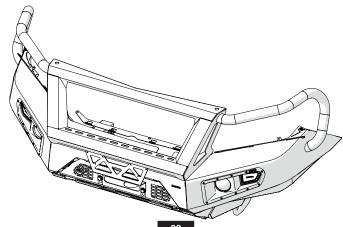
Reminder!

Before operating a vehicle fitted with an AFN Front Bumper:

- Make sure all fittings are tightened
- Check winch operation (if installed)
- Check all electrical wiring attached to lights and parking sensors (if installed)

Maintenance | Care

Periodically check and tighten all nuts. Stripped, fractured or bent bolts or nuts need to be replaced.







AFN 4x4 Accessories is becoming a well known brand for its products due to its quality, design and safety which are challenged for thousands of people everyday, worldwide.

In its diversity of products we can include, with all-terrain quality, protection, safety and aesthetic accessories. With that being said, AFN 4x4 has some other accessories that every offroad passionate would like to have, such are Body Protections, Underbody Protections, Light Holders, Storage (Wheel Supports and Jerry-can carriers) and others related to the Aesthetics.

We have some 4x4 accessories that combine with the original model lines that if you take a closer look you will see that they don't appear to be an accessorie, but a must-have.

Please be in mind that some accessories are available only to some models. Feel free to check all the products that may interest you in our website at: www.afn.pt





Ref.: 48002382 - Nerf Bars



Ref.: 48002319 - Front Bumper



Ref.: 48002311 - Rear Step Bar w/ trailer hitch



Ref.: 48002381 - Side Steps



Ref.: 48002310 - Rear Bumper w/ Wheel and Jerry-can carrier



Ref.: 48002314 - Sump Skid Plate (*AI)



Ref.: 48002315 - Gearbox Skid Plate (*AI)



Ref.: 48002316 - Transfer Box Skid Plate (*AI)



Ref.: 48002317 - Fuel tank Skid Plate (*AI)



AFN4x4 products are warranted free from defects in materials and workmanship for a period of two (2) years from the date of initial retail purchase. Third-party components are delivered under the original manufacturer warranty.

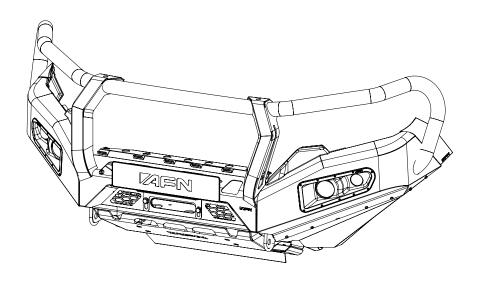
Under the present warranty, **AFN4x4** obligation shall be limited to repairing, replacing or crediting, at its option, any part found to be defective.

AFN4x4 does not warrant or make any representations concerning its goods when:

- a) The products are purchased used, scratch and dent or when the box was opened.
- b) The products are not installed, used, and maintained strictly in accordance with AFN4x4's instructions.
- c) The products are installed in vehicles that are used in competition.
- d) The products are installed in vehicles fitted with aftermarket non-standard tires with diameters in excess of OEM* specifications.
- e) The products are installed in vehicles with engines that have been modified to increase performance.

AFN4x4 will not be responsible for goods damaged in transit. If any goods arrive damaged, please contact the **AFN4x4** as soon as possible. **AFN4x4** will assess and may arrange to have the damaged goods returned to a **AFN4x4** Distributor and arrange for a replacement of the goods. Damaged goods must be returned in the condition received by you with all original packaging, accessories and/or manuals. If they are not returned in same condition sent there may be an additional fee charged.

To file a claim under this warranty please contact **AFN4x4** at +351 256 808 300 or via email at **geral@afn.pt** to request a *Returned Goods Authorization (RGA)* number and instructions for returning the defective component.











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