

CRAFTED LIKE NO OTHER

DON'T JUST SETTLE
FOR THE SAME
OLD BULL

OWNER MANUAL

FORD
RANGER RAPTOR 2020+

AFN[®]
4 X 4 ACCESSORIES



WELCOME TO THE AFN FAMILY

This manual contains the **Ford RANGER RAPTOR +2020** fitting instructions for:
Winch Mount Ref.: 48002619

1 INTRODUCTION



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 accessory taking into consideration the original model lines and fitting points. We refuse to have a "one design fits all" solution and we are always looking forward 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.





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Product: **Winch Mount**
Part Ref.: **48002619**

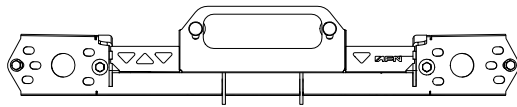
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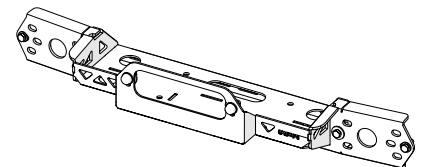
1 CHECKLIST

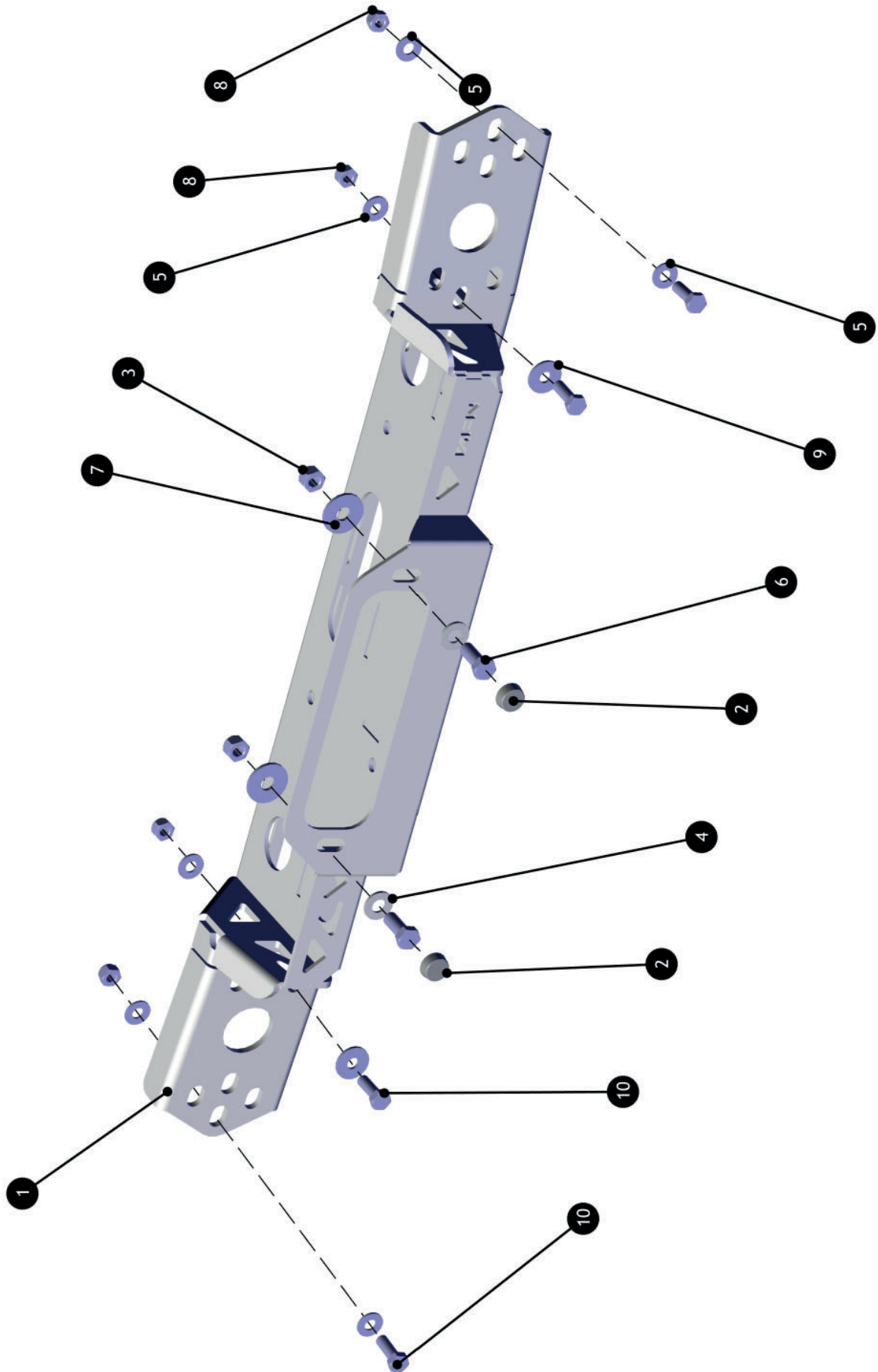


- In this section you have a checklist with all parts included for the installation of your AFN product
- This product should be installed as demonstrated in the product fitting instructions
- If verified that any component is damaged, please contact your nearest AFN distributor
- The specified parts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

This checklist is for product **48002619**.

NUMBER	DESCRIPTION	REFERENCE	QTY
1	Winch Mount - Ranger Raptor 2020	47002154	1x
2	Plastic Cap M12	45000265	2x
3	Nylock Nut M12	45000066	2x
4	Washer M12	45000042	2x
5	Washer M10	45000039	6x
6	Bolt M12x30	45000037	2x
7	Washer M12	45000036	2x
8	Nylock Nut M10	45000017	4x
9	Washer M10	45000010	2x
10	Bolt M10x30	45000007	4x





2 FITTING INSTRUCTIONS



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 responsibility for changes made in the vehicle by its manufacturer;
- Work safely and use specialized tools at all times;
- **Always use protective gear.**

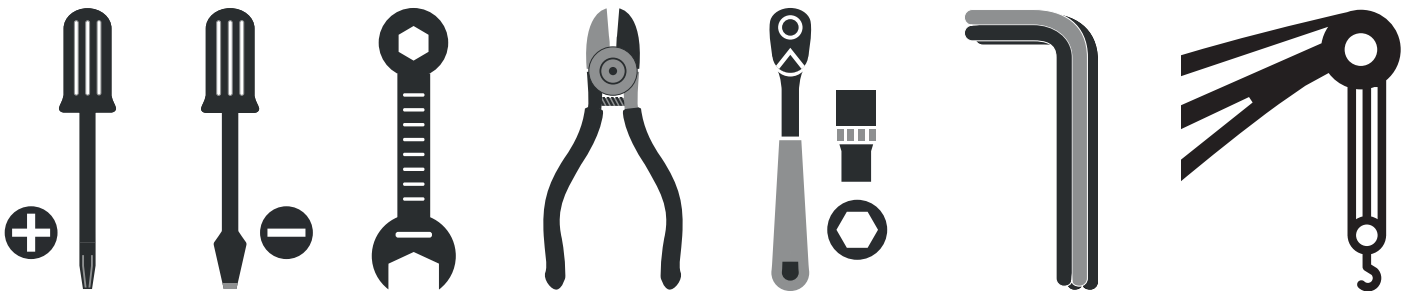


Size	Torque Nm	Torque lbft
M6	9 Nm	7 lbft
M8	22 Nm	16 lbft
M10	44 Nm	32 lbft
M12	77 Nm	57 lbft

Mouting Time

- 3 hours
- 2 persons (recommended)

Tools Required



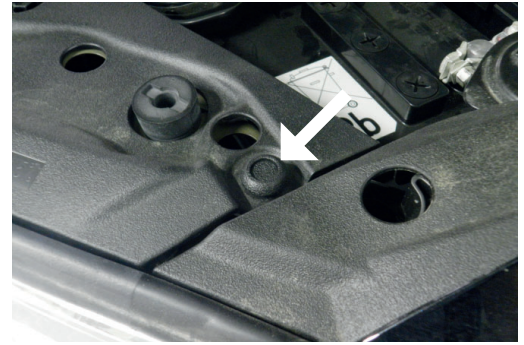
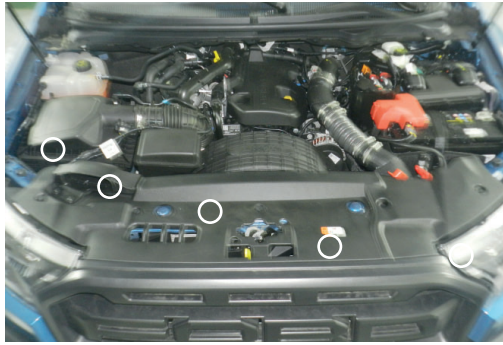
- Screwdriver star head
- Screwdriver flat head
- Wrench
- Wire cutter
- Ratchet wrench
- Allen wrench
- Crane

Step 1

Start by removing the 5 OEM* plastic bolts of the plastic cover.

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

The plastic cover will be fitted again later on.



Step 2

Once that is done, start by loosening the OEM* Grill.

The OEM* Grill should be loosen, and it should be easy to remove.



Step 3

Once that is done, go under the vehicle and remove the OEM Plastic protection shown in the image.

Repeat this step for the other side.

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



Step 4

Then, remove the OEM* Bolts of it the Underbody Protection.

Mind that there are bolts in front and in the back of the Protection.

The Underbody Protection won't fall off because there are still 2 plastic caps. Connecting the Protection to the Bumper Reinforcements.

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



*OEM - Original Equipment Manufacturer

Step 5

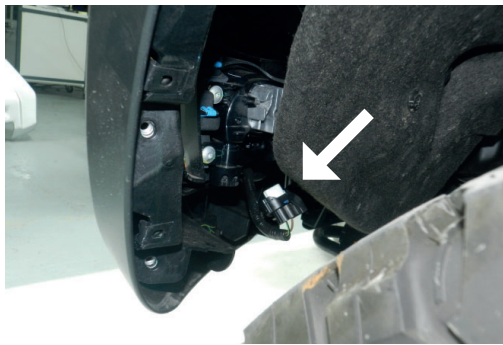
Then, go to the Plastic fenders, and loosen all the OEM* Bolts of it.

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



Step 6

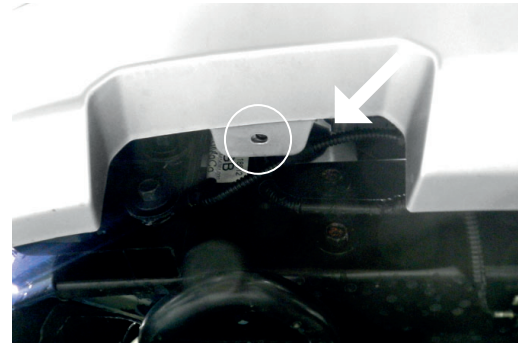
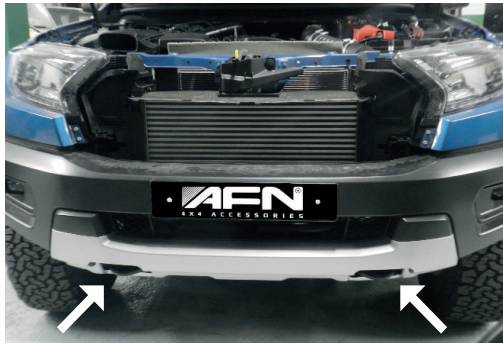
Then, remove all electrical wiring attached to the Headlights.



Step 7

Then it's time to start removing the OEM* Bumper.

So, start by underneath, as shown in the image.



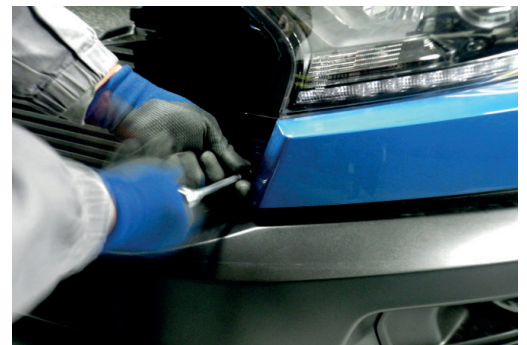
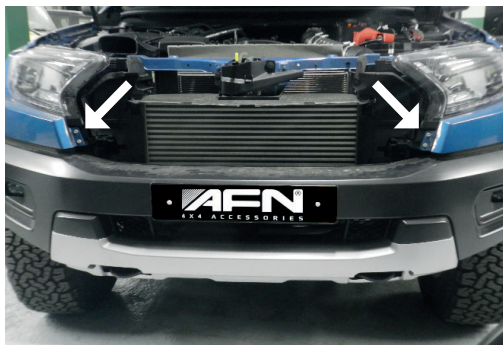
Step 8

Afterwards, unscrew the bolts from the OEM* Headlight.

Gently remove both parts so the Bumper have some space to be pulled out.

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

Both parts will be fitted again later on.

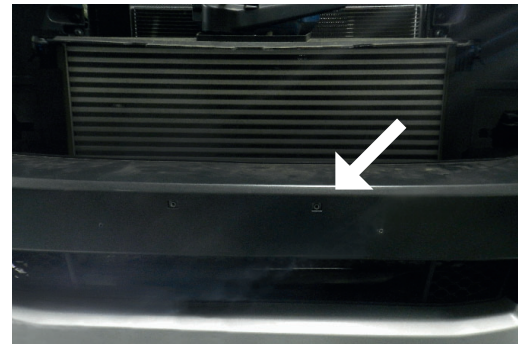


Step 9

Remove both plastic caps and bolts of the **License Plate**.

(Be aware that you must save the OEM bolts and plastic caps.)*

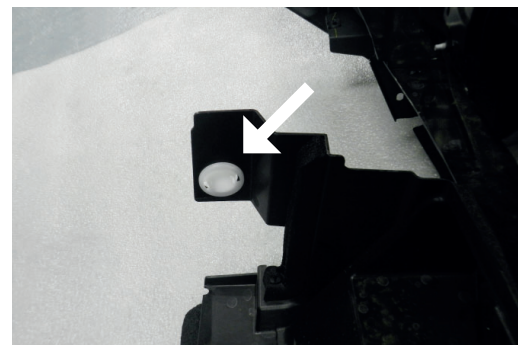
License Plate will be fitted again later on.



Step 10

Then, detach the cable of the headlight washer and isolate it with duct tape, as showed.

Finally go to the **OEM* Underbody Protection** and remove the **2 plastic caps**. They connect the underbody Protection to the **Bumper Reinforcements**.

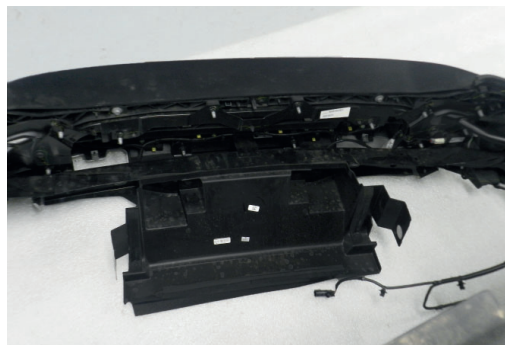


Step 11

Once that is done, the Bumper should come out easily. We advise to gently push it out.

Check all electrical wiring attached to the Headlights.

(Be aware that you must save these OEM cables, you'll use it later on.)*

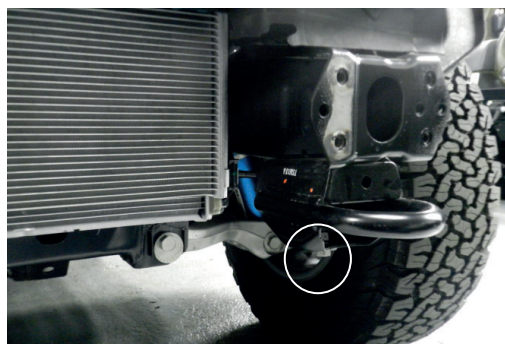


Step 12

Finally, remove both **OEM* Recovery Points**.

(Be aware that you must save the OEM bolts.)*

Recovery Points will be fitted again later on.



*OEM - Original Equipment Manufacturer

Step 13

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

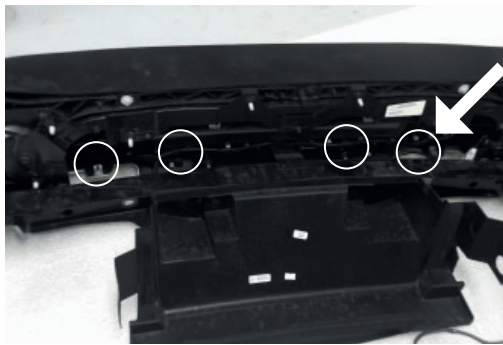


Step 14

Then, take on the Bumper on a flat working surface and start removing the **Electrical wiring** that is fitted along the bumper, there must be **6** fasteners.

(Be aware that you must save the OEM bolts.)*

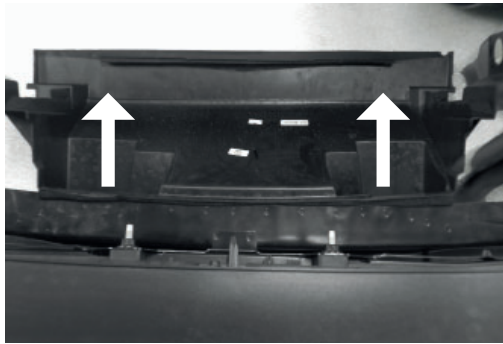
Underbody Protection will be fitted again later on.



Step 15

Separate the **OEM* Underbody Protection** from the Bumper.

(Be aware that you must save these OEM cables, you'll use it later on.)*



Step 16

Then, remove all the bolts visible in the Bumper.



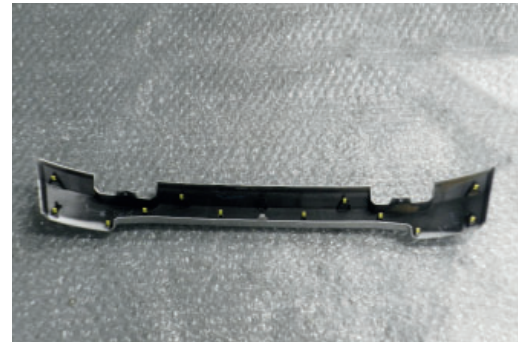
Step 17

Afterwards, separate the Plastic (**Grey**) part from the Bumper. Just unscrew 2 Bolts.

Then, gently push all the fasteners. Be careful so you don't break them.

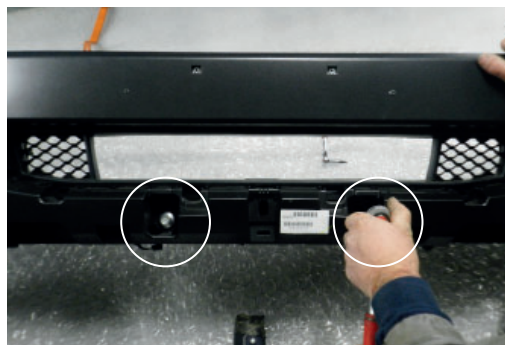
(Be aware that you must save the OEM bolts.)*

This part will be fitted again later on.



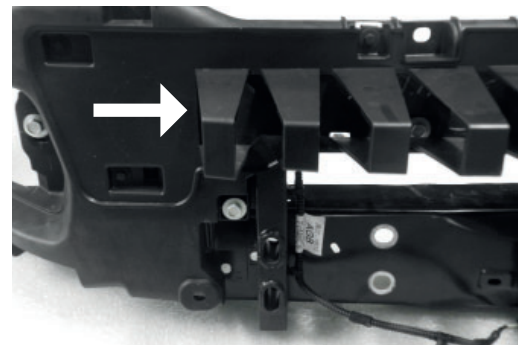
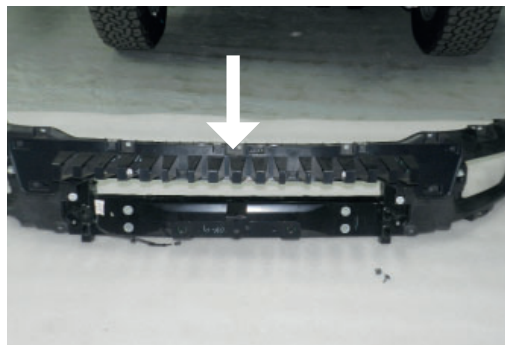
Step 18

Unscrew bolts in the image, this will separate the inner part from the Bumper.



Step 19

Remove the part highlighted.

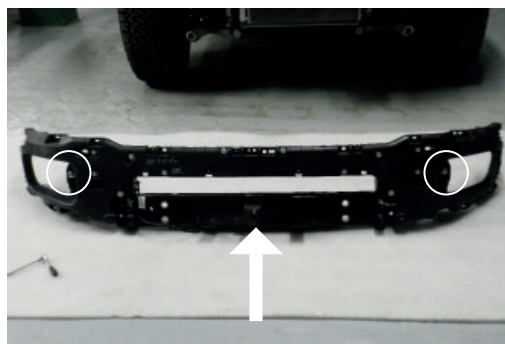


Step 20

Remove **OEM* Inner Reinforcement.**

Unscrew the bolts in the image.

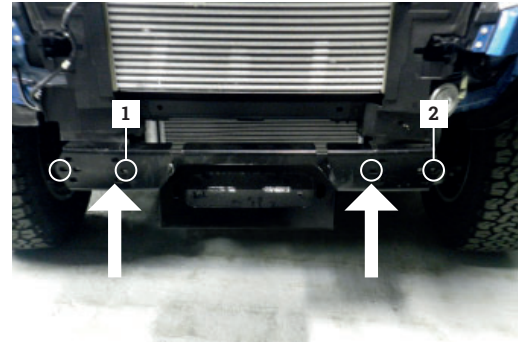
Repeat this step on the other side.



Step 21

Take on Winch Bracket(1) and fit it on the **vehicle**.
Use 4x OEM* Bolts on the middle holes, 2 on each side.

- 1 Then use 2x Bolts M10x30(10) with 2x Washers M10(9) and 2x Washers M10 (5) and 2x Nylock Nuts M10 (8).
- 2 Use 2x Bolts M10x30(10) with 4x Washers M10 (5) and 2x Nylock Nuts M10 (8).

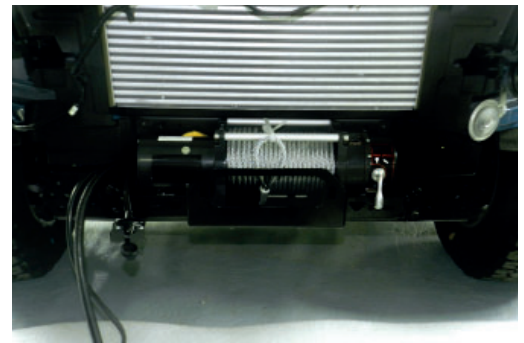
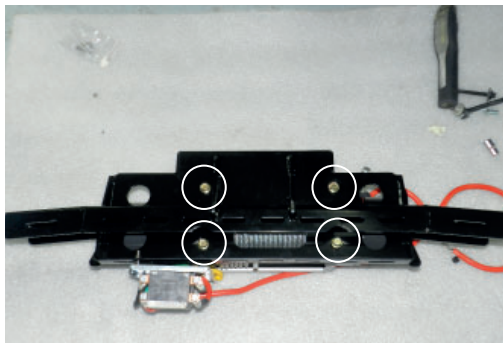


Step 22

Then, fit the Winch you have to be mounted.

See circles where the Winch has to be fitted in Winch Mount.

Use the checklist supplied by the winch's manufacturer.

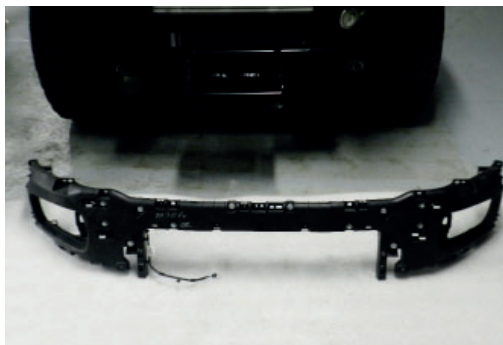


Step 23

Then, take on the previously separated **Plastic Inner part** and fit it again in the vehicle.

Winch Bracket(1) and fit it on the **vehicle**.

Give the final torque.



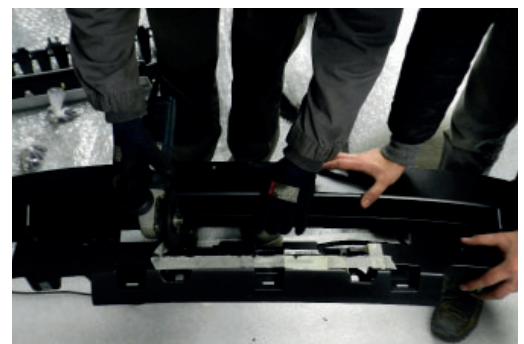
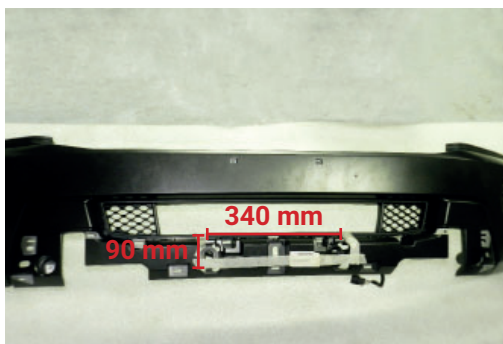
Step 24

The next step require extreme precision, because the will define how the bumper is going to be cutted.

We advise to center the Winch's Roller Fairlead in the bumper to see how much the bumper needs to be trimmed.

Apply some tape to mark the trimming line.

In our case, we had **340mm** Width and **90mm** height.

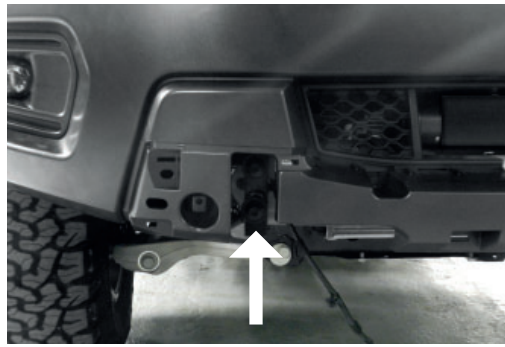


Step 25

Once that is done, fit the **Bumper** again in the **vehicle**.
Use *OEM** Bolts.

You may have to do the final touches in the trimming the bumper. When it's done, and if you want to do a cleaner job, you may use a rasp to smooth the rough edges.

Also, fit back both *OEM** Recovery Points.



Step 26

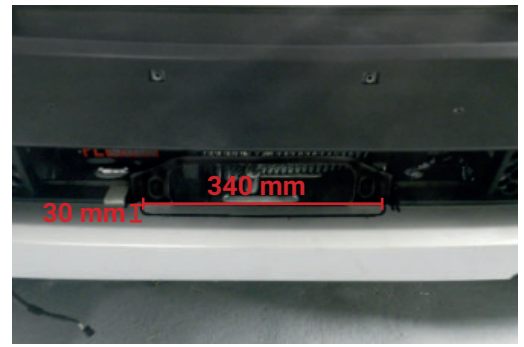
Once the trimming in the bumper is done, it's time to trim the Plastic (**Grey**) part.

So, cut down both fasteners that are in the way of the Winch Mount. (*the middle ones*)

Then, fit this Plastic part in the vehicle.

Apply some tape to mark the trimming line.

You may have to do the final touches in the trimming the bumper. When it's done, and if you want to do a cleaner job, you may use a rasp to smooth the rough edges.



Step 27

Finally, before check the Winch's clutch lever to see if it rotates nicely.

Once that is done, we advise to do all the electrical wiring needed and check if the Winch is operating smoothly.

Give the final torque.

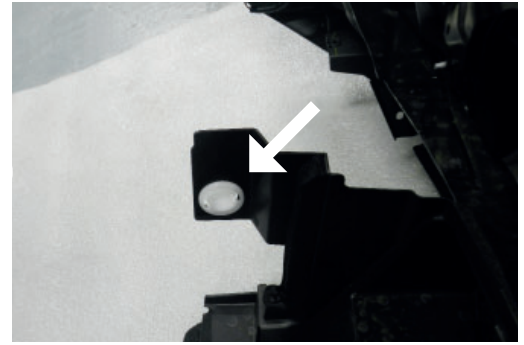
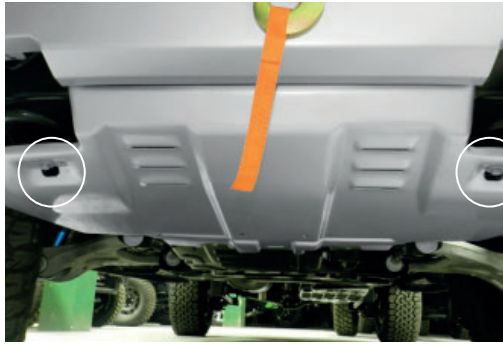


Step 28

Fit Back the OEM Underbody Protection.

Do not forget to fit both **plastic caps**. They connect the Underbody Protection to the **Bumper Reinforcements**.

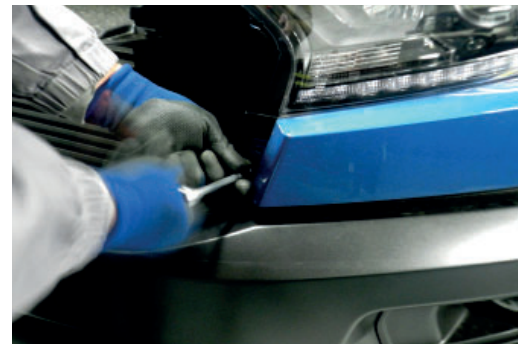
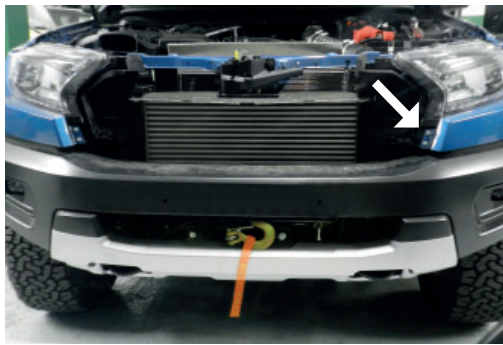
Give the final torque.



Step 29

Afterwards, screw back the bolts from the *OEM** Headlight, previously removed.

Give the final torque.



Step 30

Take on **License Plate** and fit it again on Bumper.

Use both plastic caps and bolts, previously removed.

Give the final torque.



Step 31

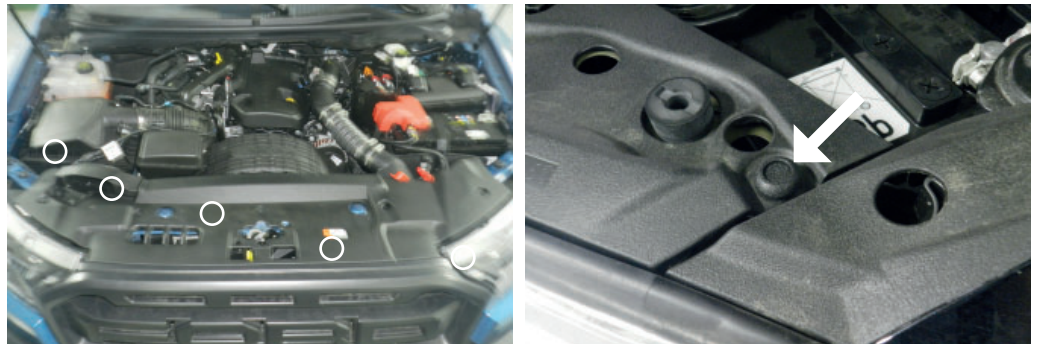
Once that is done, fit again the *OEM** Grill.

Use the previously removed bolts to fit it.



Step 32

Finally, fit back the *OEM** plastic cover using 5 *OEM** plastic bolts, previously unscrewed.



Step 33

Your new **AFN Winch Mount** is now installed on your **Ford Ranger Raptor!**

Have Fun!

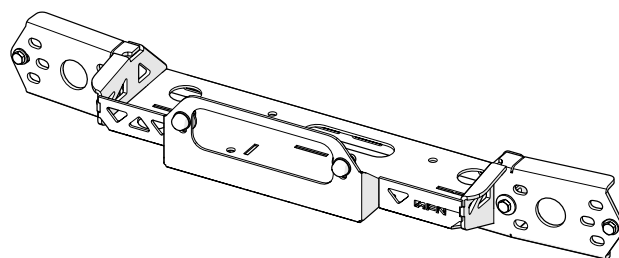


Reminder !

- Before operating a vehicle fitted with an **AFN Winch Mount**:
- Make sure all fittings are tightened
 - Check winch operation (if installed)

Maintenance | Care

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



3 WARRANTY TERMS



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.

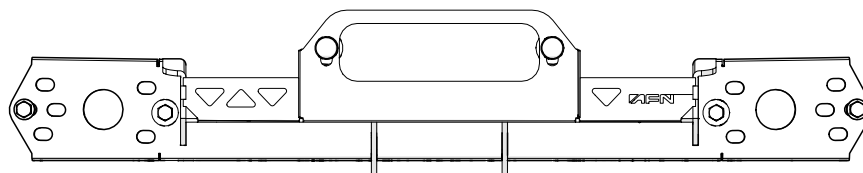
Under the present warranty, **AFN4x4** obligation shall be limited to repairing, replacing or crediting, at its option, any part found to be defective.

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

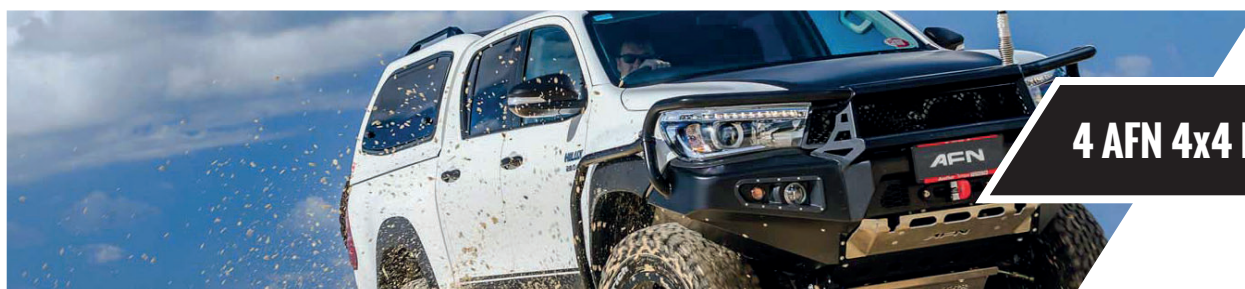
- a) The products are purchased used, scratch and dent or when the box was opened.
- b) The products are not installed, used, and maintained strictly in accordance with **AFN4x4**'s instructions.
- c) The products are installed in vehicles that are used in competition.
- d) The products are installed 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.



*OEM - Original Equipment Manufacturer



4 AFN 4x4 PARTNERS



01

Portugal

Rua da Madeira, 113
Z. Industrial das Travessas
3700-176 S. João da Madeira

T:(00351) 256 838 300/7
geral@afn.com
www.afn.com

02

Espanha

Carretera de Moledo 8
pol. ind. de Miraflores, Nave 20
36214, Vigo (Pontevedra)

T:(0034) 986 378338
info@4x4misutonida.com
www.4x4misutonida.com

03

Austrália

19 Flinders Parade
North lakes
QLD 4509

T:(0061) 1300 236 494
sales@afn4x4.com.au
www.afn4x4.com.au

04

Costa Rica

Fort overlanding CR,
Alajuela

T:(0011) 506 8430 0211
info@fortoverlanding.com
www.fortoverlanding.com

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BULLFACE
950



União Europeia
Fundo Europeu de
Desenvolvimento Regional

