CRAFTED LIKE NO OTHER

DON'T JUST SETTLE FOR THE SAME **OLD BULL**

OWNER MANUAL
TOYOTA
HILUX ROCCO 2018+

AFN 4X4 ACCESSORIES

WELCOME TO THE AFN FAMILY

This manual contains the **Toyota HILUX ROCCO +2018** fitting instructions for:
Bull Bar Ref.: 48002627 **Front Bumper Ref.: 48002470**

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 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.

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AFN 4x4 Accessories
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Part Ref.: **48002627**

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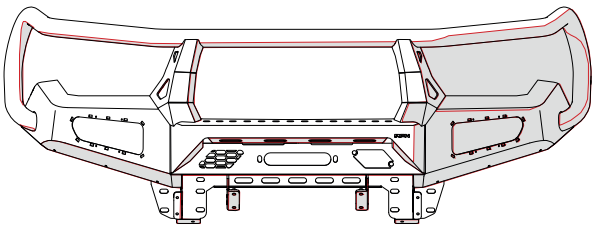
1 CHECKLIST

- 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 **48002627** and **48002470**.



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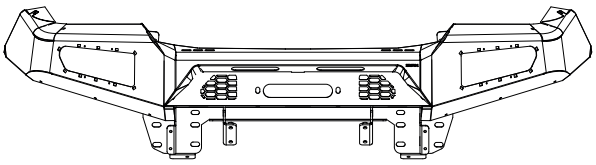

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Ref.: 48002544 ☐ X1

Ref.: 47001763 ☐ X1

Ref.: 47001762 ☐ X1

Ref.: 46007659 ☐ X1

Ref.: 46007658 ☐ X1

Ref.: 46007657 ☐ X1

Ref.: 46007656 ☐ X1

Ref.: 46007655 ☐ X1

Ref.: 46007082 ☐ X2
Thickness: 2,5mm

Ref.: 46007081 ☐ X2
Thickness: 4mm

Ref.: 46006604 ☐ X1

Ref.: 46006603 ☐ X1

Ref.: 46006522 ☐ X6

Ref.: 46006520 ☐ X1

Ref.: 46006519 ☐ X1

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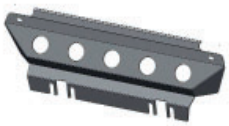
Ref.: 46006445 ☐ X1

Ref.: 46006441 ☐ X1

Ref.: 46006440 ☐ X1



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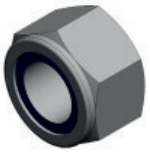
Ref.: 46005518 ☐ X1

Stainless Steel

Ref.: 45001123 ☐ X12
M3,5x16

Ref.: 45001113 ☐ X12
M3,5

Ref.: 45001053 ☐ X2
M3,5



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M12

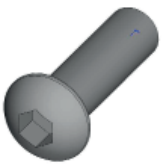
Stainless Steel

Ref.: 45001029 ☐ X2
M12

Ref.: 45001012 ☐ X10

Stainless Steel

Ref.: 45001009 ☐ X2
M14



Stainless Steel

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M6x20

Stainless Steel

Ref.: 45000995 ☐ X4
M12

Stainless Steel

Ref.: 45000956 ☐ X4
M8x25

Stainless Steel

Ref.: 45000931 ☐ X14
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Zinc Plated

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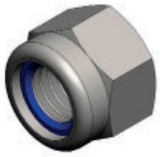
M8x25

Ref.: 45000502 ☐ X2



Zinc Plated

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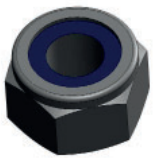
M5



Zinc Plated

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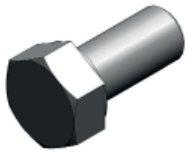
M5

Zinc Plated

Ref.: 45000266 ☐ X6
M12x90x35



Zinc Plated

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M14x30

Zinc Plated

Ref.: 45000165 ☐ X6
M14

Zinc Plated

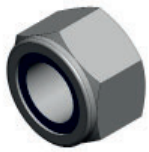
Ref.: 45000145 ☐ X8
M5x15

Zinc Plated

Ref.: 45000104 ☐ X4
M12x30

Zinc Plated

Ref.: 45000069 ☐ X4
M10x35



Zinc Plated

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M12

Zinc Plated

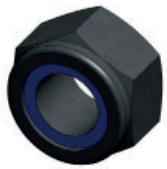
Ref.: 45000069 ☐ X8
M5

Zinc Plated

Ref.: 45000039 ☐ X8
M10

Zinc Plated

Ref.: 45000036 ☐ X16
M12



Zinc Plated

Ref.: 45000017 ☐ X18
M10

Zinc Plated

Ref.: 45000015 ☐ X10
M10x25

Zinc Plated

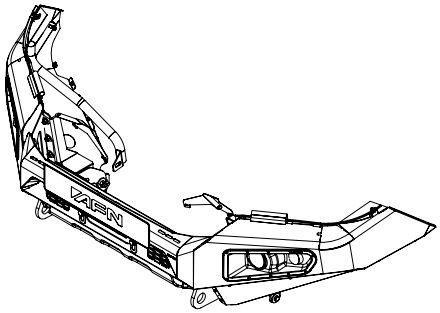
Ref.: 45000011 ☐ X2
M8

Zinc Plated

Ref.: 45000010 ☐ X32
M10

Zinc Plated

Ref.: 45000007 ☐ X4
M10x30

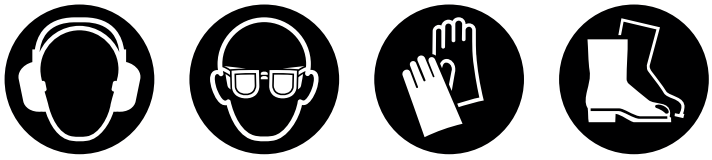


2 FITTING INSTRUCTIONS

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

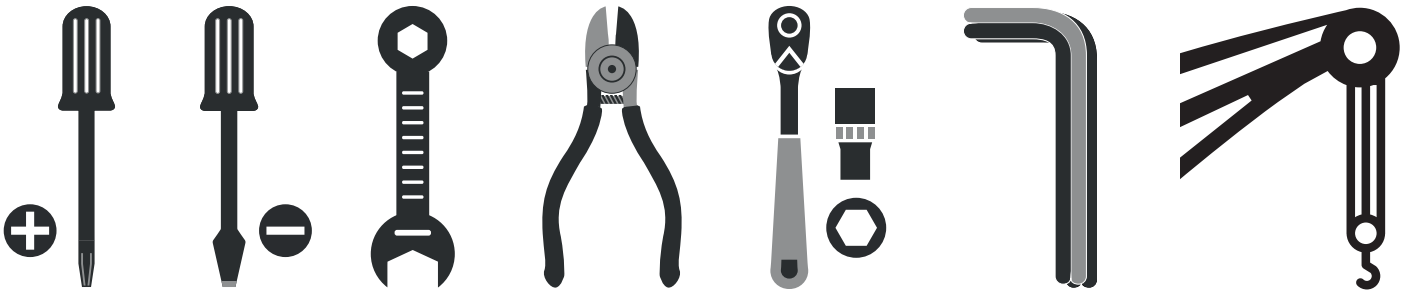


Size	Torque Nm	Torque lbft
M6	9 Nm	7 lbft
M8	22 Nm	16 lbft
M10	44 Nm	32 lbft
M12	77 Nm	57 lbft

Mouting Time

- 4 hours
- 2 persons (recommended)

Tools Required



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

Step 1

Remove the OEM* bumper just as specified by the vehicle manufacturer in your maintenance manual. (*Be aware that you must save the OEM bolts and nuts.)*

Also remove the grill of the vehicle and be careful so you don't break the fasteners of the grill.

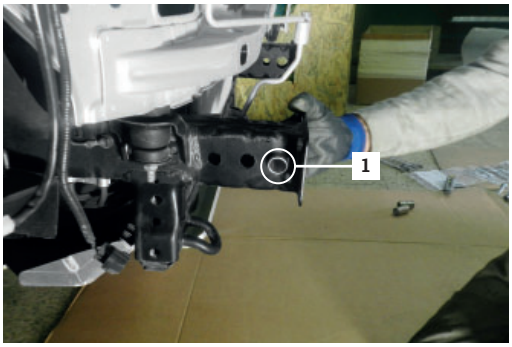
If you done it correctly this is what it should look like.

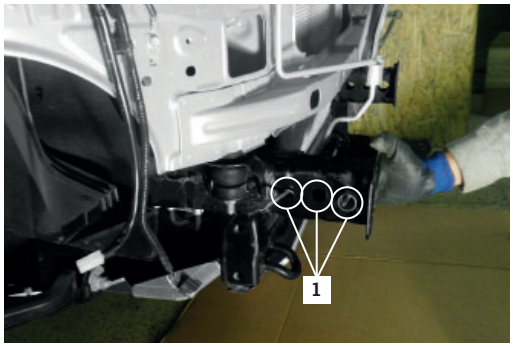
Step 2

Fit part number **46006440** on the outer side, as showed**.**

Parts needed:
1 - 45000084; 46006522; 45000036 **x2**; 45000066; **M12x90**

If you prefer, you may use a screwdriver to correctly align the parts. ***(See image #2.)***

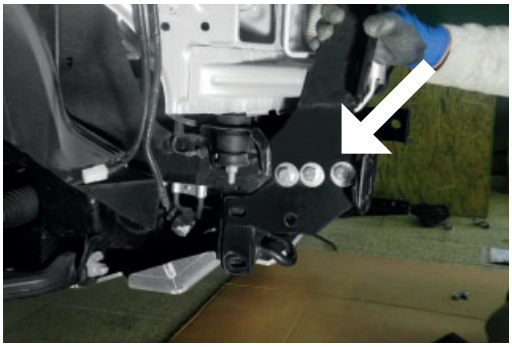


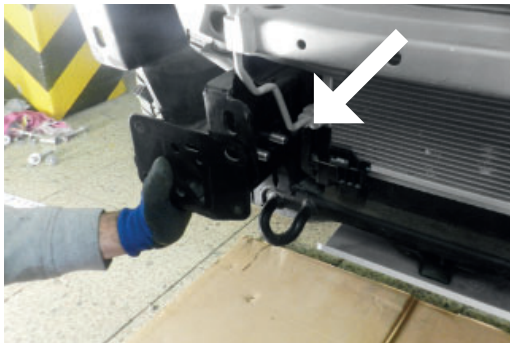


Fit part number **46006519** on the inner side, using the bolts mentioned above**.**

Repeat this step on the other side for parts **46006441** and **46006520**.

Just finger tight all bolts and nuts - Do Not tighten yet.



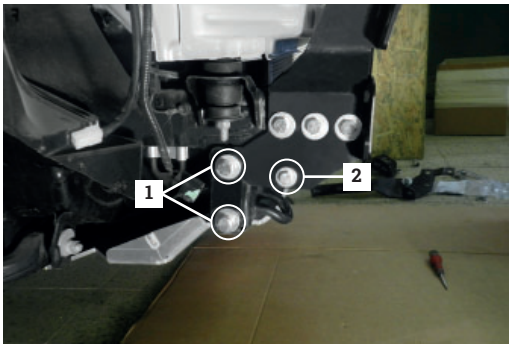


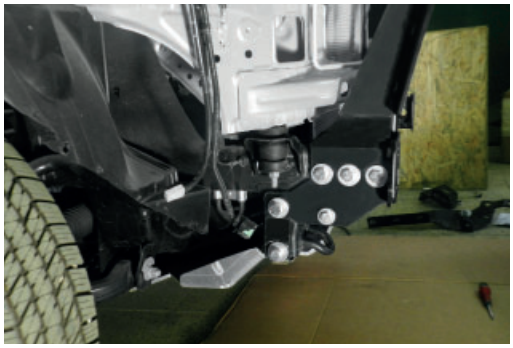
Step 3

Once both parts are fitted, fit the others bolts on part number **46006440**, as showed in the image.

Bolts needed:
1 - 45000104; 45000036**; M12x30**
2 - 45000007; 45000010 **x2;** 45000017; **M10x30**

Just finger tight all bolts and nuts - Do Not tighten yet.





**OEM - Original Equipment Manufacturer*

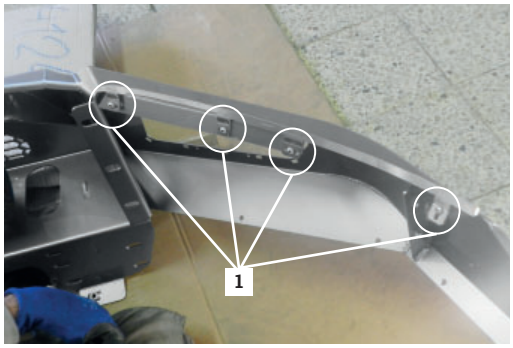
Step 4

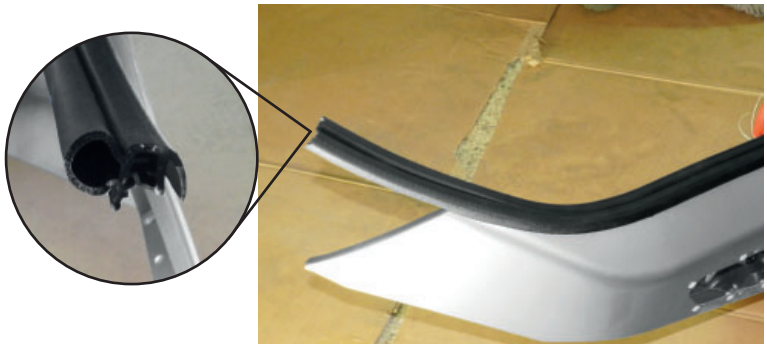
Before inserting the **AFN Bullbar | Bumper** on the vehicle there are some details that we advise to do first (so, place it on a flat working surface):

Start by fitting the parts for the **Headlight Rubber Bracket - 46006604**. Bolts needed:
1 - 45000145; 45000061; 45000402; **M5x15**
Repeat this step on the other side.
Then, it's time to fit the **Headlight Rubber - 45000502**.
Please be aware that it must be fitted as showed.

Repeat this step on the other side for parts **46006604** and **45000502** .

Once they are fitted,
Give the final torque on all bolts.



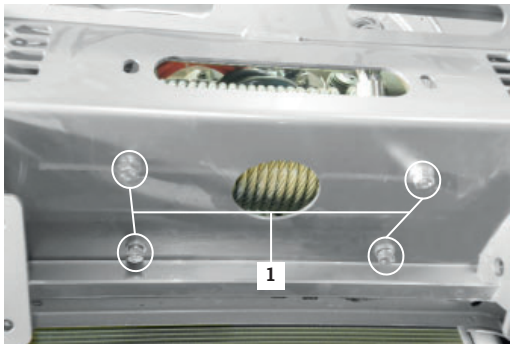


Step 5 (Optional)

The step only applies if you have any winch to mount.
Fit the winch to the winch bracket.

Bolts needed:
1 - Check the OEM* winch mount instructions

Give the final torque on the winch bracket's bolts.

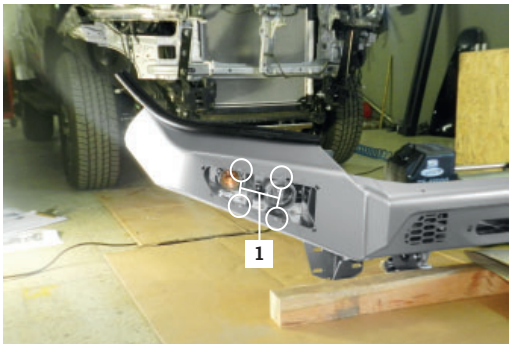


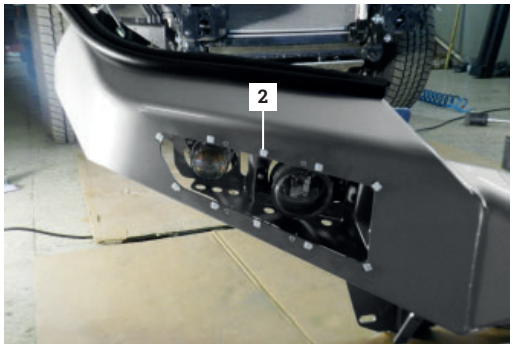
Step 6

While the **AFN Bullbar | Bumper** is stil standing on a flat working surface, is time to fit the parts for the **Headlight Bracket** ***(See image part number 48002230 and 48002231.)***

Bolts needed:
1 - 45000834; 45000276; 45000274**; **M4x16**
Repeat this step for part **48002230**.

Fit part number **45001113** - **2** on the **AFN Bullbar | Bumper**. Give a little push to correctly assemble them.





***NOTE: These references for the Fog Lights, are not in this checklist, but they follow both kit **48002230** and **48002231**.*

**OEM - Original Equipment Manufacturer*

Step 7

With help of another person or a crane, lift the **AFN Bullbar 48002627 | Bumper 48002470** and place it over the **Winch Bracket**.
Mind that this is a precision task, please take time to correctly assemble this step.

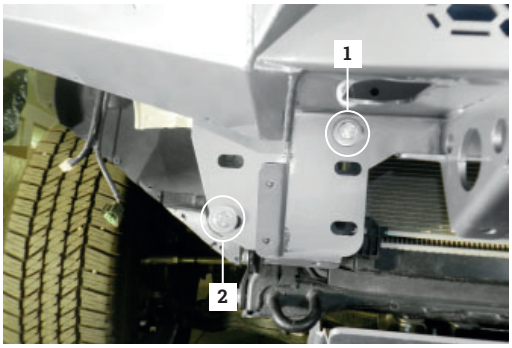
Bolts needed:
1 - 45000069; 45000010 **x2**; 45000017; **M10x35**
2 - 45000007; 45000010 **x2**; 45000017; **M10x30**

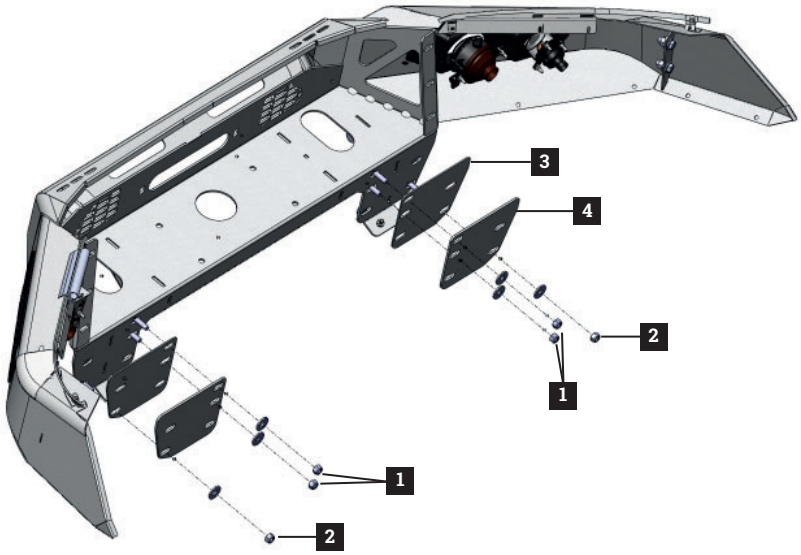
We do recommend using the supplied shims if the **Bull Bar | Front Bumper** is not aligned with the body. The shims must be fitted between the **Bull Bar | Front Bumper** and the **Winch Bracket**. Check the figure to fit them in the right place.

3 - 46007413 - **thickness: 2,5mm**
4 - 46007412 - **thickness: 4mm**

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

Just finger tight all bolts and nuts - Do Not tighten yet.

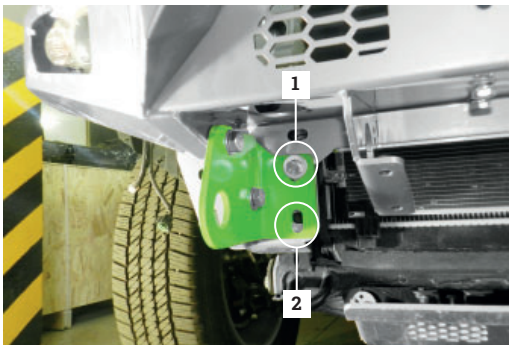




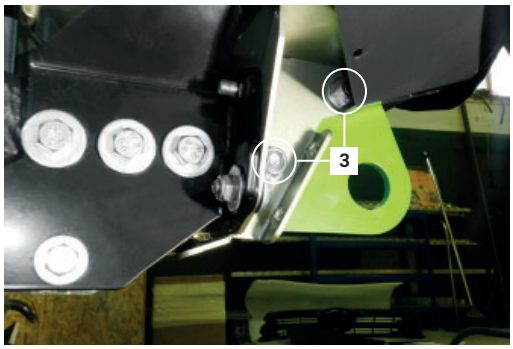
Step 8

Once the **AFN Bullbar 4800XXX | Bumper 48002470** is fitted in the vehicle chassis, fit the **Recovery Points - 46006484**.
Bolts needed:
1 - 45000069; 45000010 **x2**; 45000017; **M10x35**
2 - OEM* Bolts; 45000010; **M10**
3 - 45000216; 45000165 **x2**; 45000330; **M10x35**

Just finger tight all bolts and nuts - Do Not tighten yet.



*Repeat this step on the other side for part number **46006445**.*

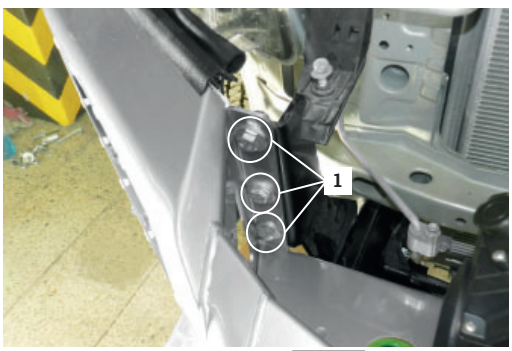


Follow the tightening order as shown.

Step 9

On the upper part of the **AFN Bullbar 48002627 | Bumper 48002470**, fit it to the **Reinforcement - 46006484**, as showed.
Bolts needed:
1 - 45000015; 45000010 **x2**; 45000017; **M10x25**

Repeat this step on the other side.
Just finger tight all bolts and nuts - Do Not tighten yet.



**OEM - Original Equipment Manufacturer*

Step 10

Fit the second **Headlight Rubber - 45001053.** Then, join both of them and cut the excess of part number **45000502**.

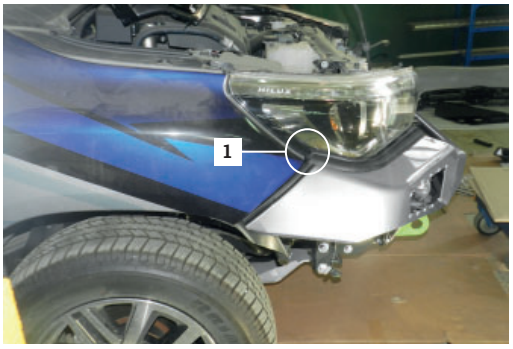
Repeat this step on the other side.

Adjust the **AFN Bullbar | Bumper** until you have an equal gap between vehicle body and the bumper on both sides.

Note: *The gap must be almost the same size as the rubber's thickness -* ***45000502****.*

Check to make sure the **AFN Bullbar | Bumper** is levelled. Adjust it if necessary and fully tighten all bolts.

Give the final torque.



Step 11

Fit the Plate Bracket - **46005518**.

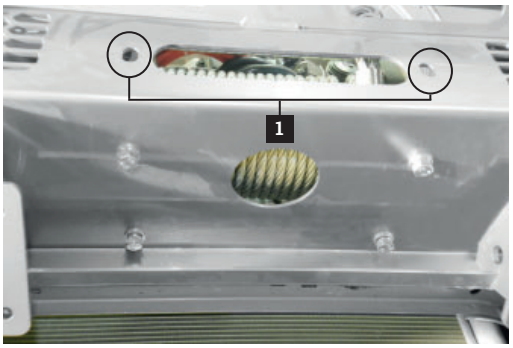
Bolts needed:
1 - 45001029; 45000995 **x2**; 45001033; **M12x40**

ATTENTION!
If you DO NOT have any winch mounted, please proceed to the next step.

Fit the Roller Fairlead according to your winch. It must be fitted before the Plate Bracket - **46005518.** ***(see image #4)***

Bolts needed:
2 - Check the OEM* winch mount instructions;
or
3 - Use bolts supplied;

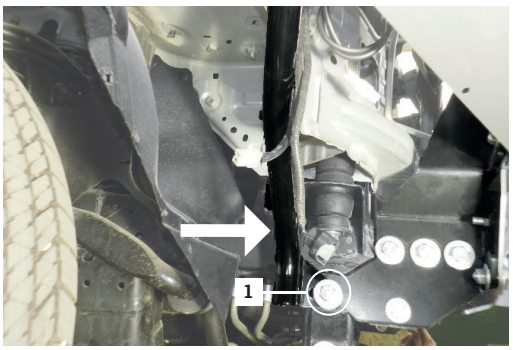
Give the final torque.

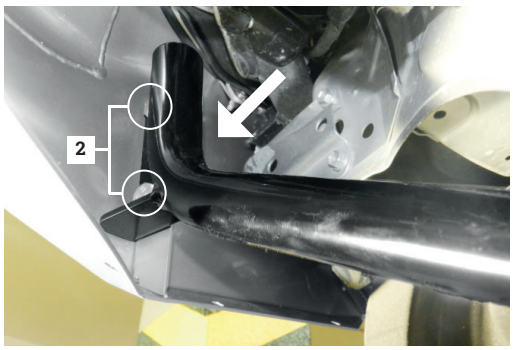


Step 12

Fit part **47001763 - Reinforcement**, connecting the AFN Bumper to the chassis. ***(48002470 only)***

Bolts needed:
1 - 45000104; 45000036 **x2**; 45000066; **M12x30**
2 - 45000015; 45000039 **x2**; 45000017; **M10x25**





Step 13

Start by fitting the Fog Light in the Aluminium Bracket.

Bolts needed:
1 - 45001019**; **M5x30**
2 - 45000383**; **M5x20**
3 - 45000476**; **M5**
4 - 45000402**; **M5**

Fit the plastic cover on the Bumper. Bolts needed:
5 - 45001114; 45001113; **M3,5**

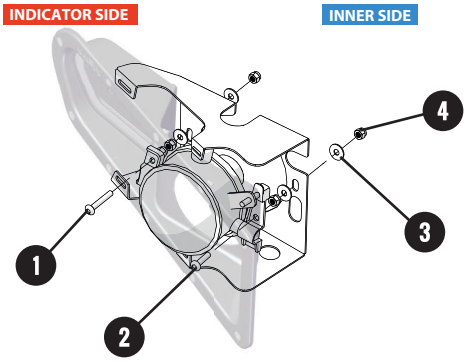
- The **Red One** must be connected to the Positive of the OEM Day Running Light.
- The **Black One** must be connected to the Neutral cable of the vehicle.
- The **Blue One** must be connected to the Positive of the OEM blinkers.

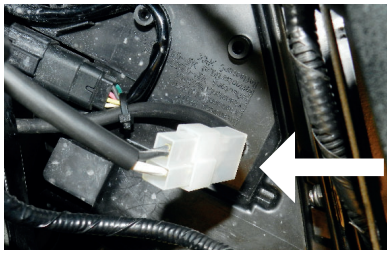
Once the light supports were fitted, reattach the electrical wires for the fog lights and indicators.

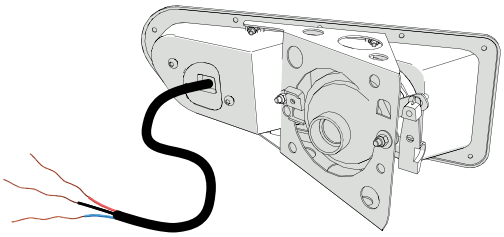
We advise to do a test in order to check if all the lights are correctly working.

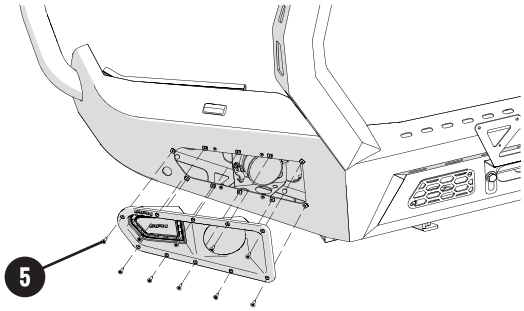
Do the same on the other side for part **48002544**.

***NOTE: These references for the Fog Lights, are not in this checklist, but they follow the kit **48002544** and **48002545**.*







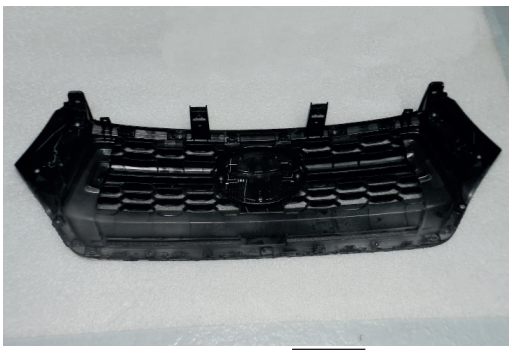


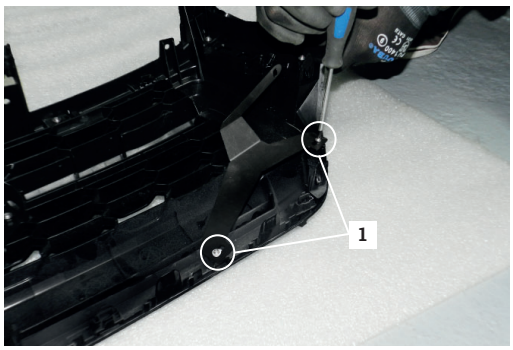
Step 14

Before fitting the OEM* grill on the **AFN Bullbar | Bumper**, place it on a flat working surface and fit the two grill backets with parts number **46007658** and **46007659**.

Bolts needed:
1 - *OEM** Bolts;

Give the final torque.





Step 15

Fit the OEM* grill on the **AFN Bullbar | Bumper**.

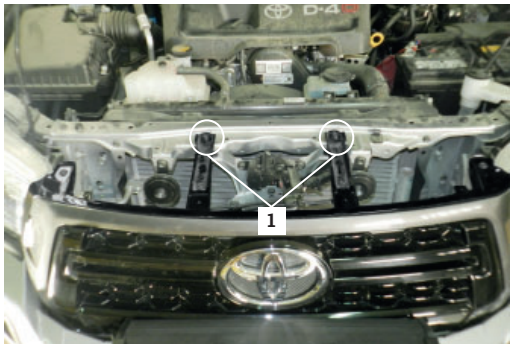
The grid must enter from above and gently rotate until it passes through. **Be careful so you don't break the fasteners of the grill.**

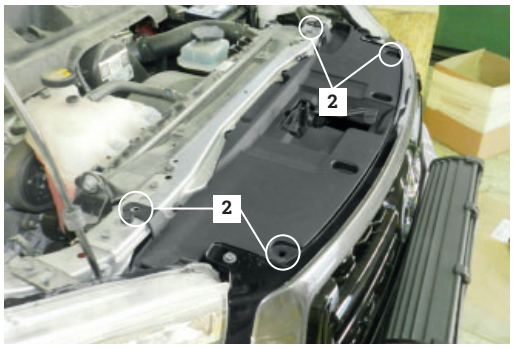
Bolts needed:
1 - 45000500; 45000294
M6x35

Once the grill is in place, reuse the OEM* bolts as showed on the image on the right.

2 - OEM* plastic bolts;

Once the grill is in place, reuse the **4** OEM* plastic bolts as showed in the image on the right.





Step 15

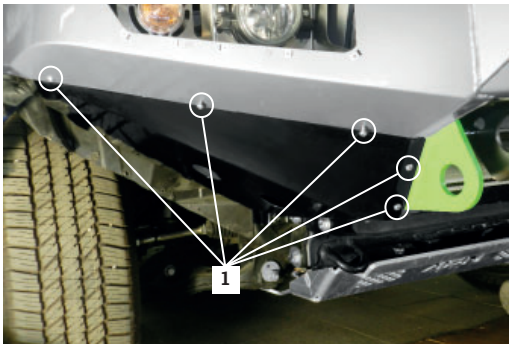
Fit part **46007657**.
Finger tight all bolts and nuts before given the final torque.
Bolts needed:
1 - 45000998; 45000931; 45001012; **M6**

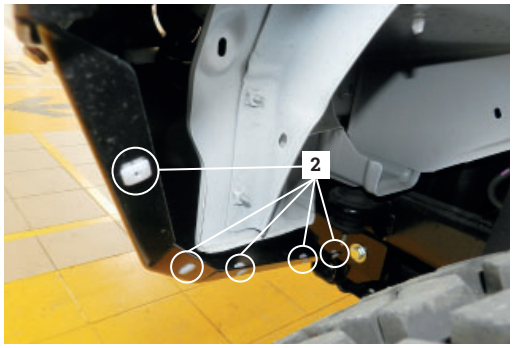
Repeat this step on part **46007656**.

Do Not tighten yet.

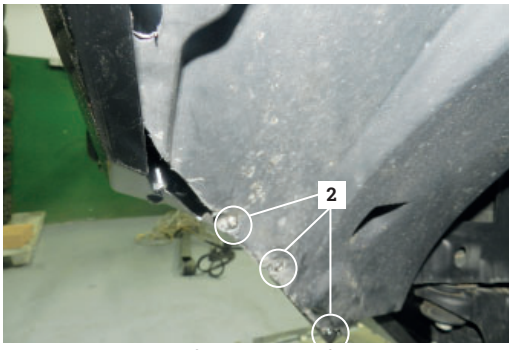
Push the flaps **46007656** to OEM* plastic fenders and mark the cut line, then cut OEM* plastic fender. Mark a hole on the inner side of wheel fender from both left and right side of vehicle.
Drill a **2mm** diameter hole.
Fix the flaps through these holes using:
2 - 45001123; 45001113; **M3,5**
Repeat this step on part **46007657**.

Give the final torque.





*It's easier to install all the **45001113** before fitting the **46006437** and **46006438**.*



It's easier to cut plastic fender when the flaps are not installed.

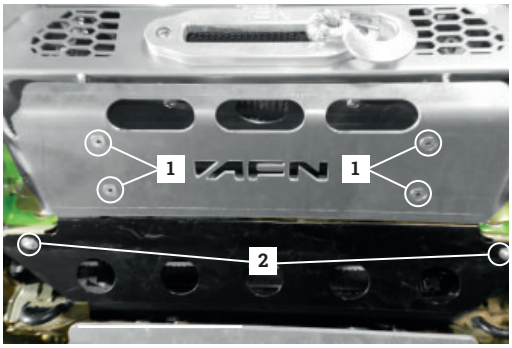
*OEM - Original Equipment Manufacturer

Step 16

Fit upper underbody armour part number **46007655**.
Bolts needed:
1- 45000110; **M10x25**

Fit lower underbody armour part number **46006436**.
Bolts needed:
2- 45000537; 45000011; **M8x25**

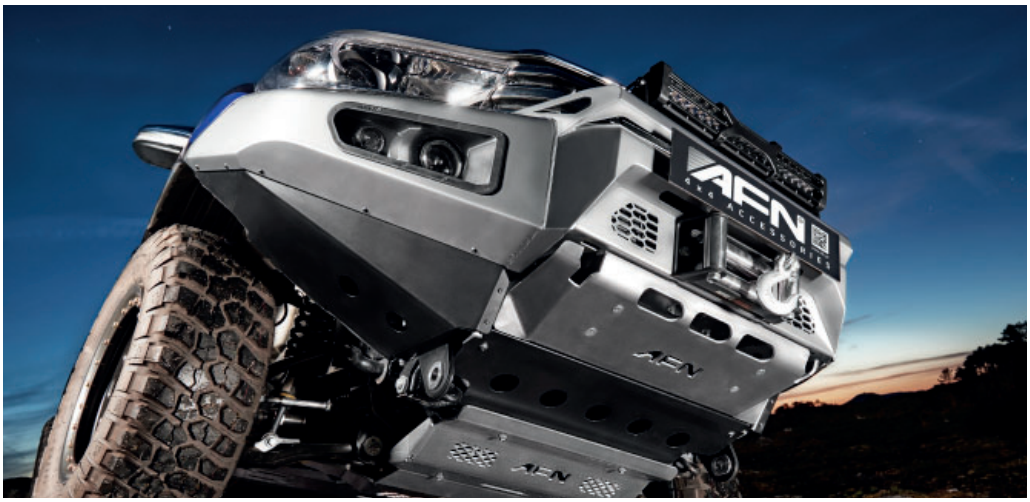
Give the final torque.



Step 17

Your new **AFN BULLBAR | FRONT BUMPER** is now installed on your **Toyota Hilux ROCCO**!

Have Fun!

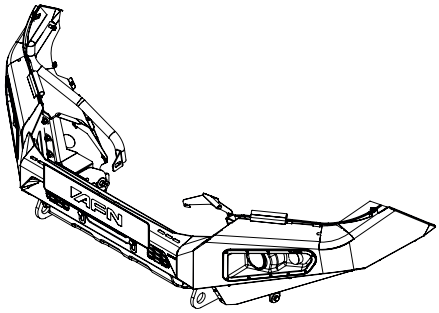


Reminder !

Before operating a vehicle fitted with an AFN Bullbar | 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.



3 Hilux REVO CATALOGUE

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.: 48002470 - Front Bumper

Ref.: 48002295 - Bull Bar with fog lights

Ref.: 48002302 - Side Steps

Ref.: 48002304 - Rear Step Bar w/ trailer hitch

Ref.: 48002323 - Nerf Bars

Ref.: 48002296 - Rear Bumper w/ Wheel and Jerry-can carrier

Ref.: 48001690 - Steering Bars Aluminium Skid Plate

Ref.: 48002297 - Sump Guard Skid Plate (*Al)

Ref.: 48002298 - Gearbox Axle Skid Plate (*Al)

Ref.: 48002299 - Transfer Box Skid Plate (*Al)

Ref.: 48002300 - Fuel Tank Skid Plate (*Al)

Ref.: 48002301 - Rear Axle Skid Plate (*Al)

*Al - Aluminium

4 WARRANTY TERMS

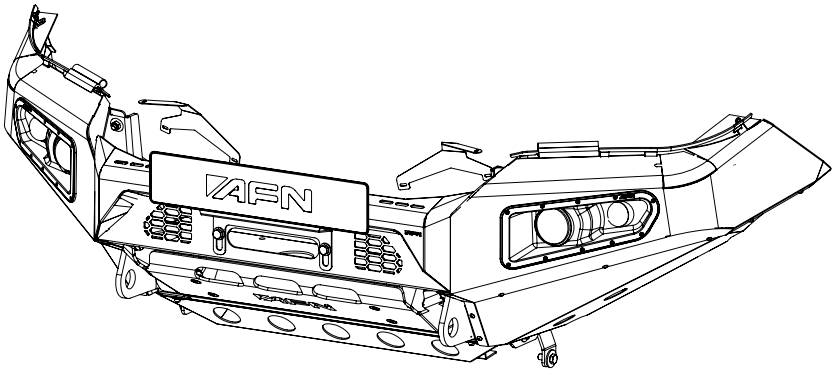
AFN4x4 products are warranted free from defects in materials and workmanship for a period of two (2) years from the date of initial retail purchase. Third-party components are delivered under the original manufacturer warranty.

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

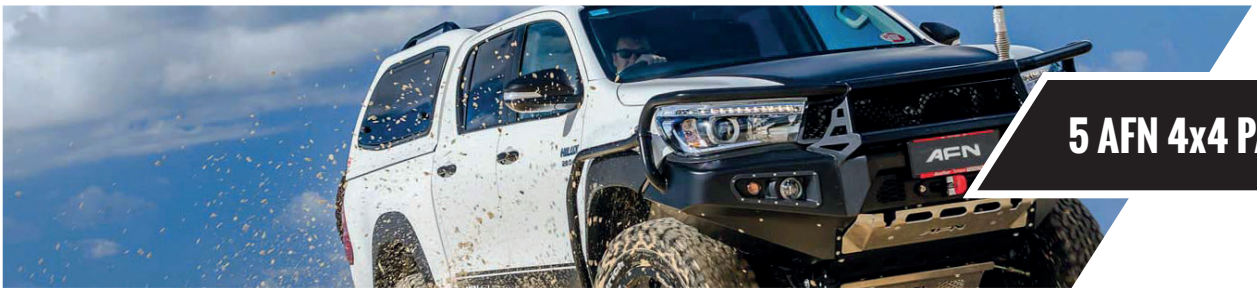
AFN4x4 does not warrant or make any representations concerning its goods when:
a) The products are purchased used, scratch and dent or when the box was opened.
b) The products are not installed, used, and maintained strictly in accordance with **AFN4x4**'s instructions.
c) The products are installed 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*



5 AFN 4x4 PARTNERS

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Alajuela

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DON'T JUST SETTLE FOR THE SAME **OLD BULL**

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PROGRAMA OPERACIONAL REGIONAL DO NORTE
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