

CRAFTED LIKE NO OTHER

DON'T JUST SETTLE
FOR THE SAME
OLD BULL



OWNER MANUAL

TOYOTA
PRADO 120 2004+

AFN[®]
4 X 4 ACCESSORIES

WELCOME TO THE AFN FAMILY

This manual contains the Toyota PRADO 120 +2004 fitting instructions for:
Front Bumper Ref.: 48002405

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.



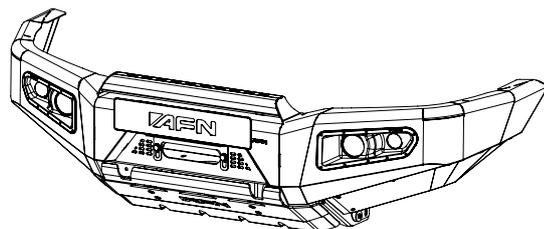


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AFN 4x4 Accessories

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Part Ref.: **48002405**



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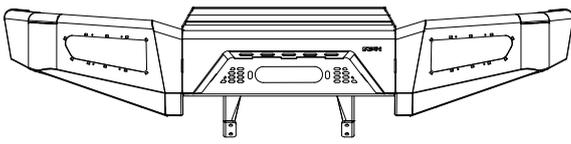
5 AFN 4x4 Partners 17



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 **48002405**.



Ref.: 47002017



Ref.: 48002192

X1



Ref.: 48002191

X1



Ref.: 47002022

X2



Ref.: 47002021

X1



Ref.: 47002020

X1



Ref.: 47002019

X1



Ref.: 47002018

X1



Ref.: 46007689

X1



Ref.: 46007688

X1



Ref.: 46007684

X2



Ref.: 46007683

X1



Ref.: 46007682

X1



Ref.: 46007681 X1



Ref.: 46007680 X1



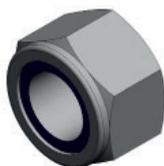
Ref.: 46005518 X1



Stainless Steel
Ref.: 45001123
M3,5x12 X10



Ref.: 45001113 X10
M3,5



Stainless Steel
Ref.: 45001033
M12 X2



Stainless Steel
Ref.: 45001029
M12x40 X2



Ref.: 45001012 X18
M6



Stainless Steel
Ref.: 45000998
M6x20 X18



Stainless Steel
Ref.: 45000996
M8x25 X2



Stainless Steel
Ref.: 45000995
M12 X4



Stainless Steel
Ref.: 45000934
M10x30 X4



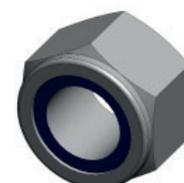
Stainless Steel
Ref.: 45000931
M6 X14



Ref.: 45000502
2700 mm X1



Zinc Plated
Ref.: 45000067
M12x35 X4



Zinc Plated
Ref.: 45000066
M12 X6



Zinc Plated
Ref.: 45000048
M8 X10



Zinc Plated
Ref.: 45000044
M6 X4



Zinc Plated
Ref.: 45000036
M12 X14



Zinc Plated
Ref.: 45000028
M8 X2



Zinc Plated
Ref.: 45000018
M8 X5



Zinc Plated
Ref.: 45000014
M8x25 X11



Zinc Plated
Ref.: 45000011
M8 X4

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

- 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.)

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



Step 2

Before inserting the **AFN 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 **45001113** on the **AFN Bullbar | Bumper**. Give a little push to correctly assemble them.

Do Not Full tight.

Fit the plastic cover of part **48002192** on the Bumper.

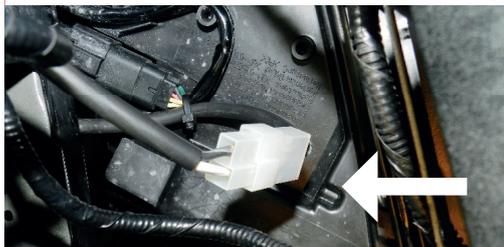
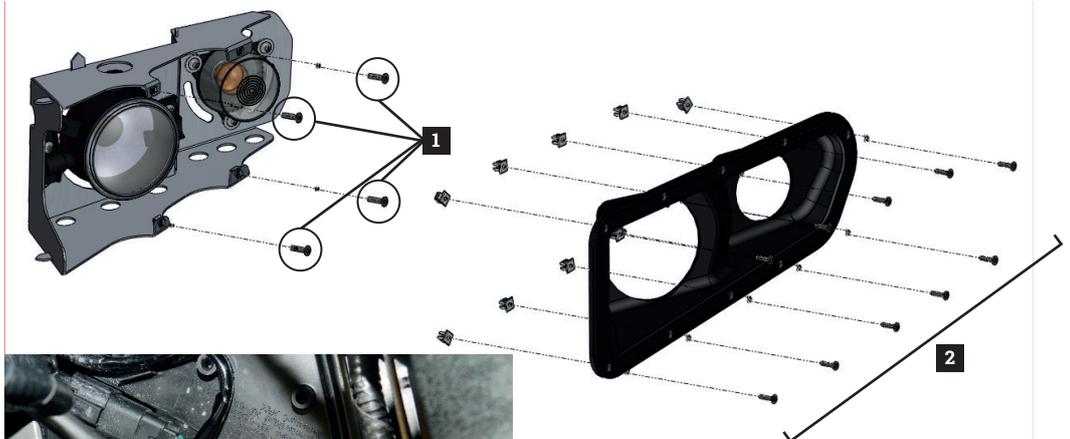
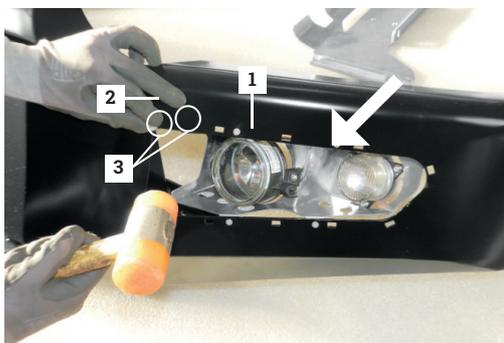
Bolts needed:

1 - **;
2 - 45001114; 45001113; **M3,5**
 Do the same on the other side for part **48002191**.

Remember to attach the electrical wires for the fog lights and indicators, once the **AFN Bullbar | Bumper** is fitted on vehicle.

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

NOTE: These references for the Fog Lights, are not in this checklist, but they follow the kit **48002192 and **48002191**.



Step 3

Fit part number **45000502 - Rubber**, into the **AFN Bumper**.

If you prefer, you may use a rubber mallet hammer to easily fit the rubber all the way into the **AFN Bullbar | Bumper**.



*OEM - Original Equipment Manufacturer

Step 4

Fit part number **47002020** on the vehicle chassis.

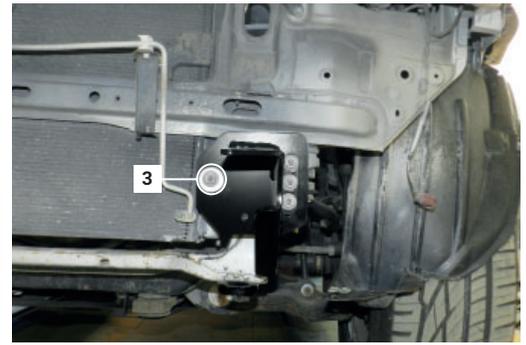
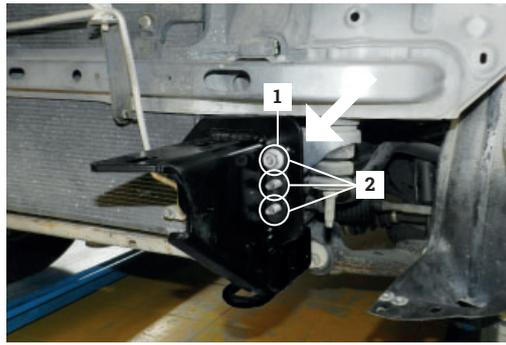
Parts needed:

- 1** - 46007684;
- 2** - OEM* Bolt; OEM* Nut; **M12**
- 3** - OEM* Bolt; 45000036; OEM* Nut; **M12**

Repeat this step on the other side for part number **47002021**.

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

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



Step 5

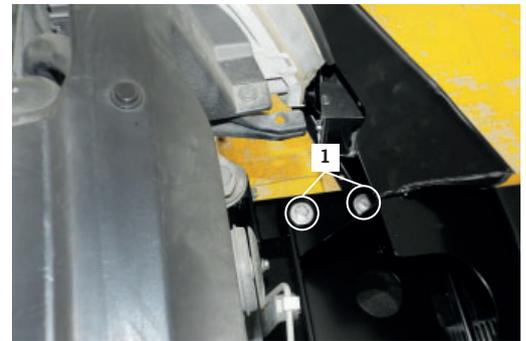
With help of another person or a crane, lift the **AFN Bumper 48002405** and place it over the **Chassis reinforcements, 47002020 and 471002021**.

Bolts needed:

- 1** - 45000067; 45000036 **x2**;
- 45000066; **M12**

Repeat this step on the other side.

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



Step 6

Fit the **Reinforcement - 47002018** connecting the **AFN Bumper 48002405** and the Vehicle chassis.

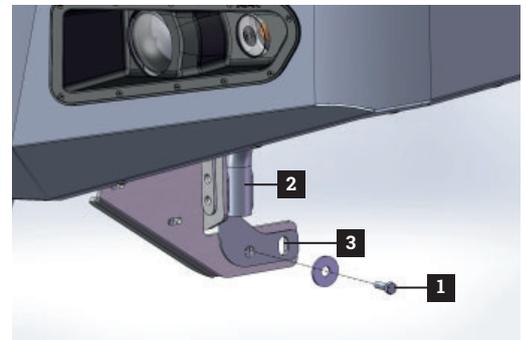
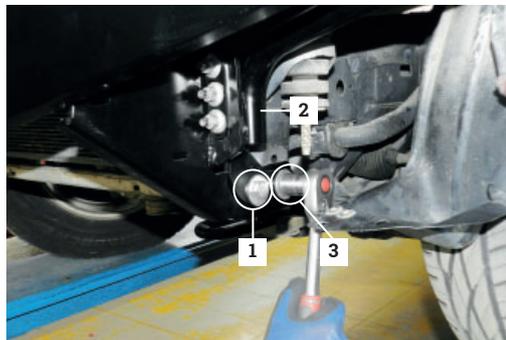
Bolts needed:

- 1** - 45000067; 45000036 **x2**;
- 45000066; **M12x35**
- 2** - 47002022;
- 3** - OEM* Bolts;

Repeat this step on the other side.

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

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



Step 7

Adjust the **AFN Bumper** until you have almost **no gap** between vehicle body and the bumper on both sides.

Check to make sure the **AFN Bullbar | Bumper** is levelled. Please follow the order according our **Fitting Instructions Manual**.

Give the final torque.



Step 8

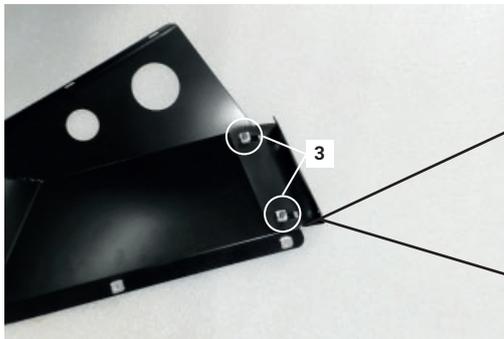
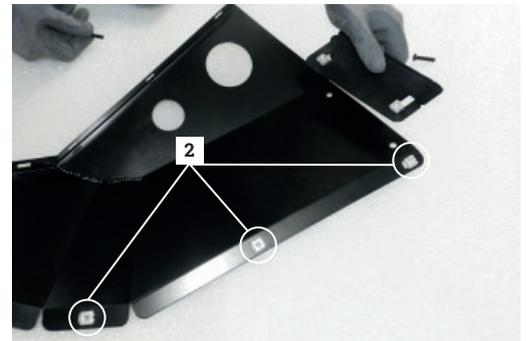
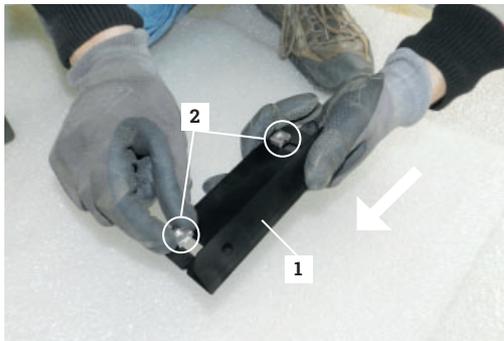
Take on part number **46007682** and fit **two 45001012**, as showed.

Parts needed:
1 - 46007682;
2 - 45001012; **M6**

Before fitting part numbers **46007680** and **46007681** in the **AFN Bullbar | Bumper**, we do advise to fit first **46007680** and **46007682**. Please note in the "V" mark of part number **46007682**.

3 - 45000998; **M6x20**

Repeat this step on the other side for part number **46007683** with **46007681**.



Step 9

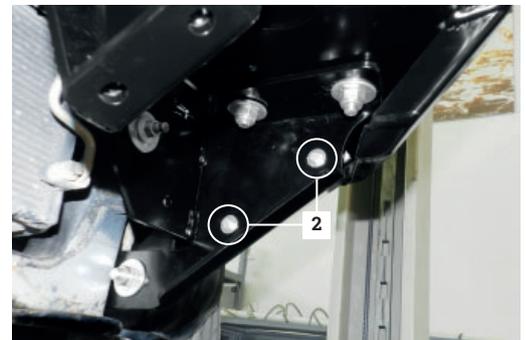
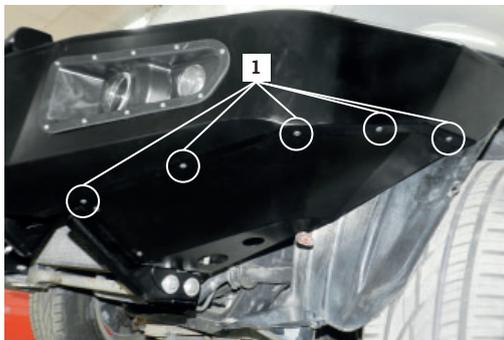
Fit part number **46007681** in the **AFN Bumper**.

Bolts needed:
1 - 45000998; 45000931; **M6**

Fit part number **46007683** into the **AFN Bullbar | Bumper**.

Bolts needed:
2 - 45000998; 45000931; **M6**

Give the final torque.



Step 10

Push the flaps **46007681** 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:
3 - 45001123; 45001113; **M3,5**
 Repeat this step on part **46007680**.

Give the final torque.

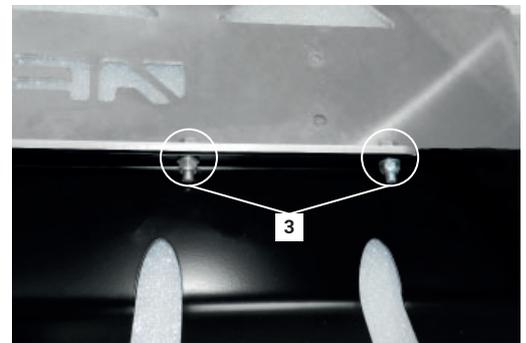
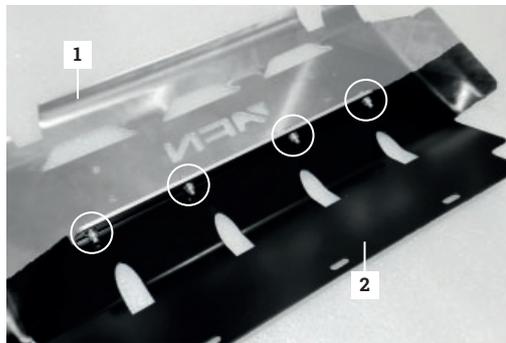


It's easier to cut plastic fender when the flaps are not installed.

Step 11

Before fitting the underbody protections of the **AFN Bumper**, we do advise to fit both of them together first.
 Parts needed:
1 - 46007689;
2 - 46007688;
3 - 45000014; 45000048;
 45000018; **M8x25**

Give the final torque.

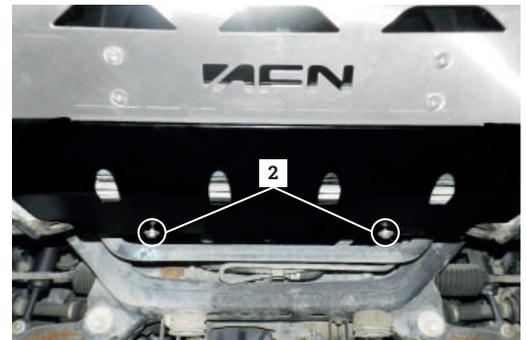
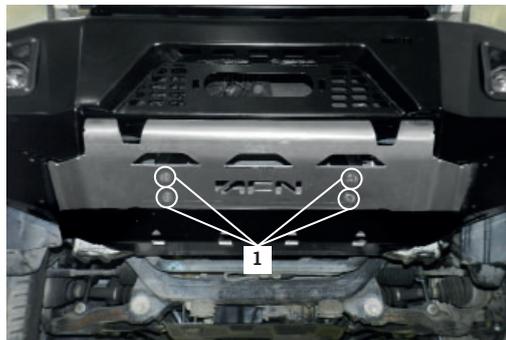


Step 12

Fit both upper and lower underbody armours part number **46007688** and **46007689**.

Bolts needed:
1- 45000934; **M10x30**
2- 45000996; 45000028; **M8x25**

Give the final torque.



Step 14

Your new **AFN FRONT BUMPER** is now installed on your **Toyota PRADO 120!**

Have Fun!



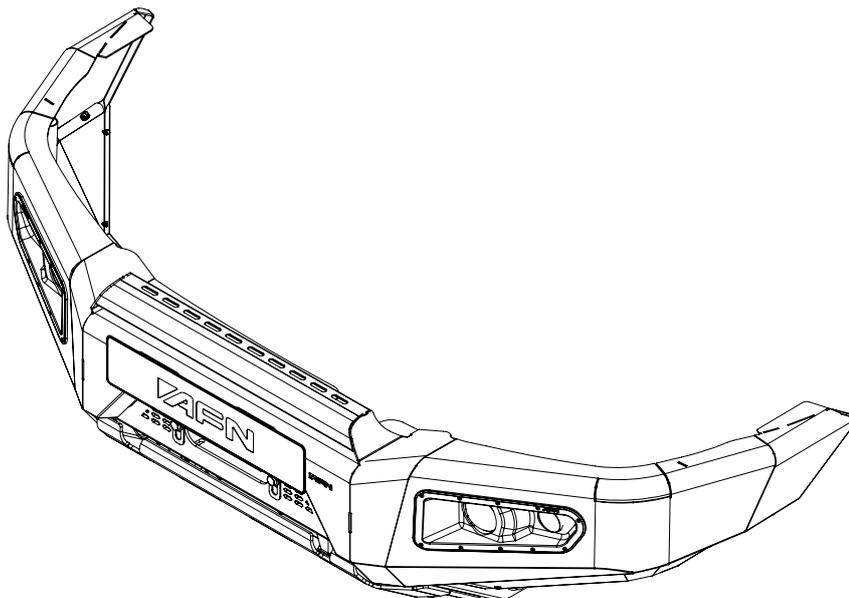
Reminder !

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.



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.

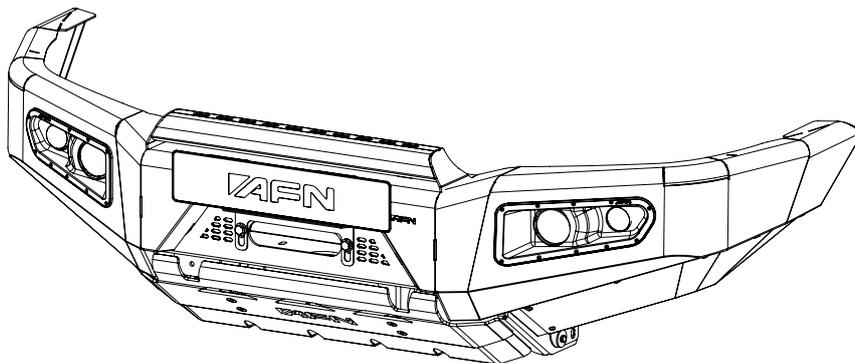
Under the present warranty, **AFN4x4** obligation shall be limited to repairing, replacing or crediting, at its option, any part found to be defective.

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.





5 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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