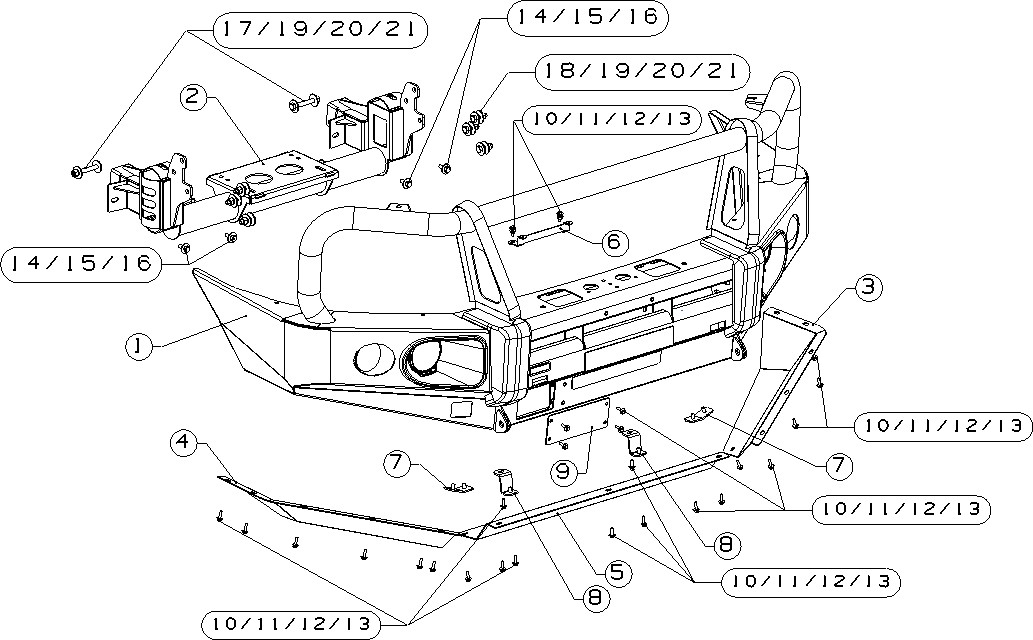
|  |  |
| --- | --- |
| Description： | ELITE BULL BAR To Suit FORD RANGER 2012-2016 |
| Model： | Ford Ranger/2012-2015 |
| Item NO： | BBRA-RANGER |

A white truck parked in front of a store

Description automatically generated





Note: PLEASE READ BEFORE ATTEMPTING INSTALLATION.

* All Rockarmor products are manufactured to highest of standards and latest finishes including sand blasting all raw material and e coating to clear the product of any impurities and finished with a tiger coat to keep the longevity if at any stage while off road or on road use this product is damaged or scratched have the damaged surface repaired.
* This product and its fixings must not be modified in any way unless stated in this fitting instruction.
* Do not remove labels from this product.
* Do not use this product for any vehicle other than specified in these instructions.
* It is the installer’s responsibility to assure this product is installed correctly allowing enough tolerance for movement between the chassis and body and clearance of all components.
* Use Loctite on all nuts and bolts.
* The installation of this product may require the use of specialized tools and or trained fitter.

For more information regarding this product please visit www.Rockarmor.com.au

The following tools will be required to install the product.

Metric Socket Set 10-18MM.

Socket Extension Bar

Metric Spanner Set 10-18MM.

Torx Drivers T25-T30

Trim Removal Tool

Screwdriver Set (Flat and Phillips head)

Utility Knife

Side Cutters

Pliers

Impact Drill

Loctite

Cable Ties

Masking Tape

Satin Black Automotive Paint

Grease and wax Remover

Scotch Brite or Fine sandpaper

# Standard locking torque

M6 - 11Nm | M8 - 18Nm | M10 - 80 Nm | M12 - 90 Nm | M16 - 90 Nm

**Material list**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Item** | **item NO.** | **Description** | **Qt y** |  | **Item** | **item NO.** | **Description** | | **Qt y** |
|  |  |  | | | | |  | | |
| ○1 | R28000561901 | Bull bar assemble | 1 |  | ○2 | 20006993701 | Winch Frame | | 1 |
| ○3 | R28000564401 | Skid Plate（LH） | 1 | ○4 | R28000564501 | Skid Plate（RH） | | 1 |
| ○5 | R28000564601 | Middle Skid Plate | 1 | ○6 | 20008945001 | Bracket | | 1 |
| ○7 | 20012640501 | Skid Plate junction plate 1 | 2 | ○8 | 20006998201 | Skid Plate junction plate  2 | | 2 |
| ○9 | R28000370901 | Plastic blanking plate | 1 |  |  | |  | | |
|  |  | **Hardware kit** | | | | |  | | |
| **Item** | **Item NO.** | **Description** | | | | |  | **Qty** | |
| 10 | 3002529 | Hexagonal head bolt M6\_25 | | | | |  | 30 | |
| 11 | 3000222 | Washer D6 | | | | |  | 32 | |
| 12 | 3000136 | Spring washer D6 | | | | |  | 30 | |
| 13 | 3001471 | Hexagon nut M6 | | | | |  | 2 | |
| 14 | 3002702 | Hexagonal head bolt M10\_30 | | | | |  | 4 | |
| 15 | 3000245 | Washer D10(10x30x2.5mm) | | | | |  | 4 | |
| 16 | 3000160 | Spring washer D10 | | | | |  | 4 | |
| 17 | 3002377 | Hexagonal head bolt M12\_90\_35 | | | | |  | 2 | |
| 18 | 3002827 | Hexagonal head bolt M12\_40 | | | | |  | 6 | |
| 19 | 3000252 | Washer D12(12X37X3mm) | | | | |  | 16 | |
| 20 | 3000171 | Spring washer D12 | | | | |  | 8 | |
| 21 | 3001505 | Hexagon nut M12 | | | | |  | 8 | |

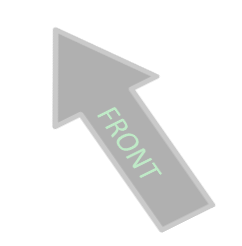
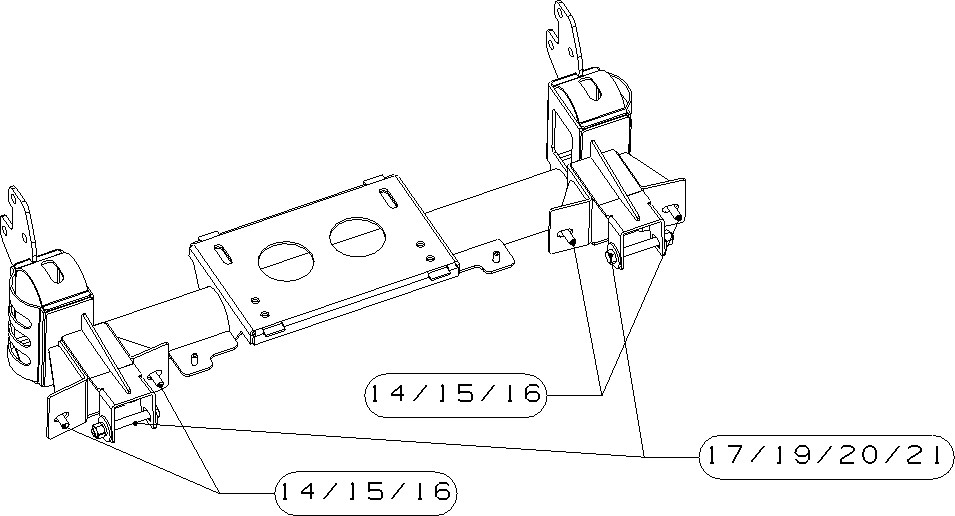
**Installation Steps：**

## 1. Remove front Bumper bar



remove below kits：





**2**

**.**

I

**nstall winch frame—item 2**

need use below bolt kits:

1

、

item 14/15/16

：

hexagonal head bolt

M10\_30+M10 spring washer

+

M10 washer

2

、

item 17/19/20/21

：

hexagonal head bolt

M12\_90\_35

+

spring washer D

12

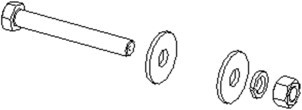
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2

个）

+

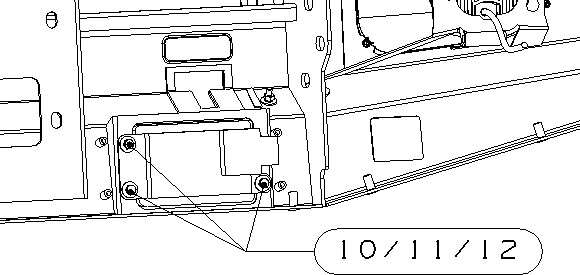
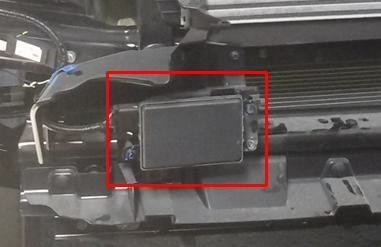
M12 washer +M12 hexagon nut



## 3. install item winch frame

If need to install the winch frame, please follow the installation instruction

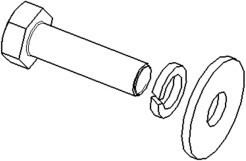
**4.install item**：Automatic auxiliary braking system



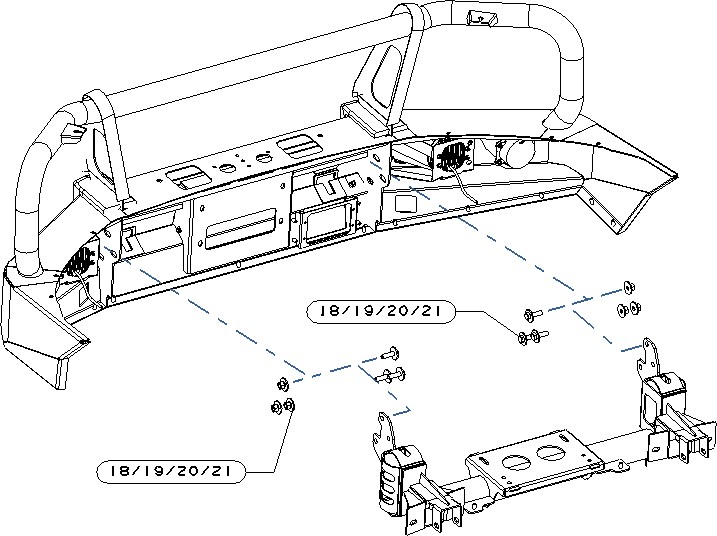
The automatic auxiliary braking system carry on the car Mounted on the bull bar

Removed the automatic auxiliary braking system from the car, then install it onto the bull bar. need use below bolt kits:：

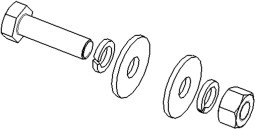
1、 item 10/11/12： hexagonal head bolt M6\_25+ M6 spring washer +M6 washer



**5. install item 1 bull bar**



Need use below bolt kits 1、item 18/19/20/21： hexagonal head bolt M12\_40+M12 spring washer（2）+M12 washer（2 个）+M12nut

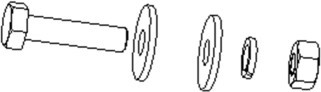


## 6. install item：wing

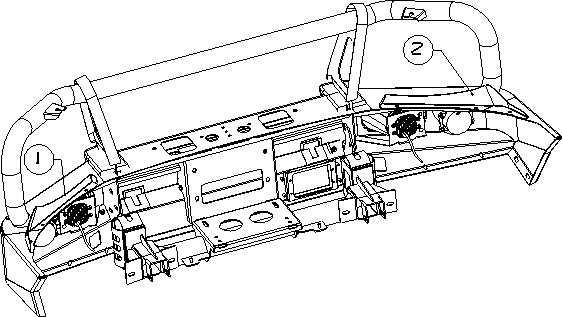
1. CUT FACTORY BUMPER TO FILL UNDER LIGHTS AS SHOWN BELOW

A close up of a bumper

Description automatically generated



Install step：

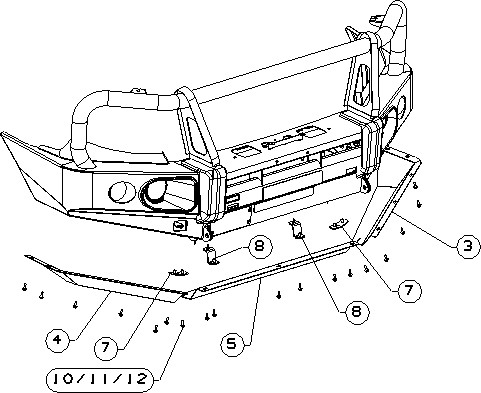


Need use below bolt kits:

1、hexagon boltM6\_25 +M6 washer（2 pieces）+ M6spring washer + M6 Hexagon nut（6 pieces）

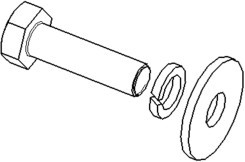
**7. install item**：Skid Plate（LH）/Middle Skid Plate / Skid Plate（RH）

It’s need to check to confirm that the light line and other electrical lines have been connected well before the installation of the skid plate.



Need use below bolt kits:

1、item10/11/12： hexagonal head bolt M6\_25+ M6 spring washer+M6washer



Skid plate (LH) / (RH) is connected to the middle Skid plate by junction plate 1 (7) The middle Skid plate is connected to the winch frame by junction plate 2（8）

1. **Carefully go over all the mounting points and ensure they have been tightened.**
2. **Cut and fit factory inner guard lining to the wing bash plates and fix in place.**

**For more information check out** [**www.rockarmor.com.au**](http://www.rockarmor.com.au) **and watch our YouTube installation video.**