

ROCKARMOR

Fitting Instructions

Description:	Mitsubishi Triton MQ Elite BULLBAR - SUITS 04/2015-11/2018 Fitting Instructions
Model:	MQ Triton
SKU:	BBRA-TRIMQ



These fitting instructions apply to both the Mitsubishi Triton MQ and MR models, as their installation process is very similar. As a result, we have used shared photos, techniques, and parts for both vehicles. While there may be slight differences in appearance, the overall fitting procedure remains largely the same for both Triton models.

Important Notice:

Before commencing the installation, please ensure you have carefully read and understood all instructions. Rockarmor products are engineered to the highest standards, using premium materials and finishes. This includes sandblasting all raw materials, e-coating to eliminate impurities, and applying a Tiger coat for enhanced durability. Should the product become damaged or scratched during off-road or on-road use, the affected surface must be repaired promptly to maintain longevity. Installation should be carried out by a qualified technician, and it is essential to follow the steps precisely to ensure a secure and proper fit.

Note: Please Read Before Attempting Installation

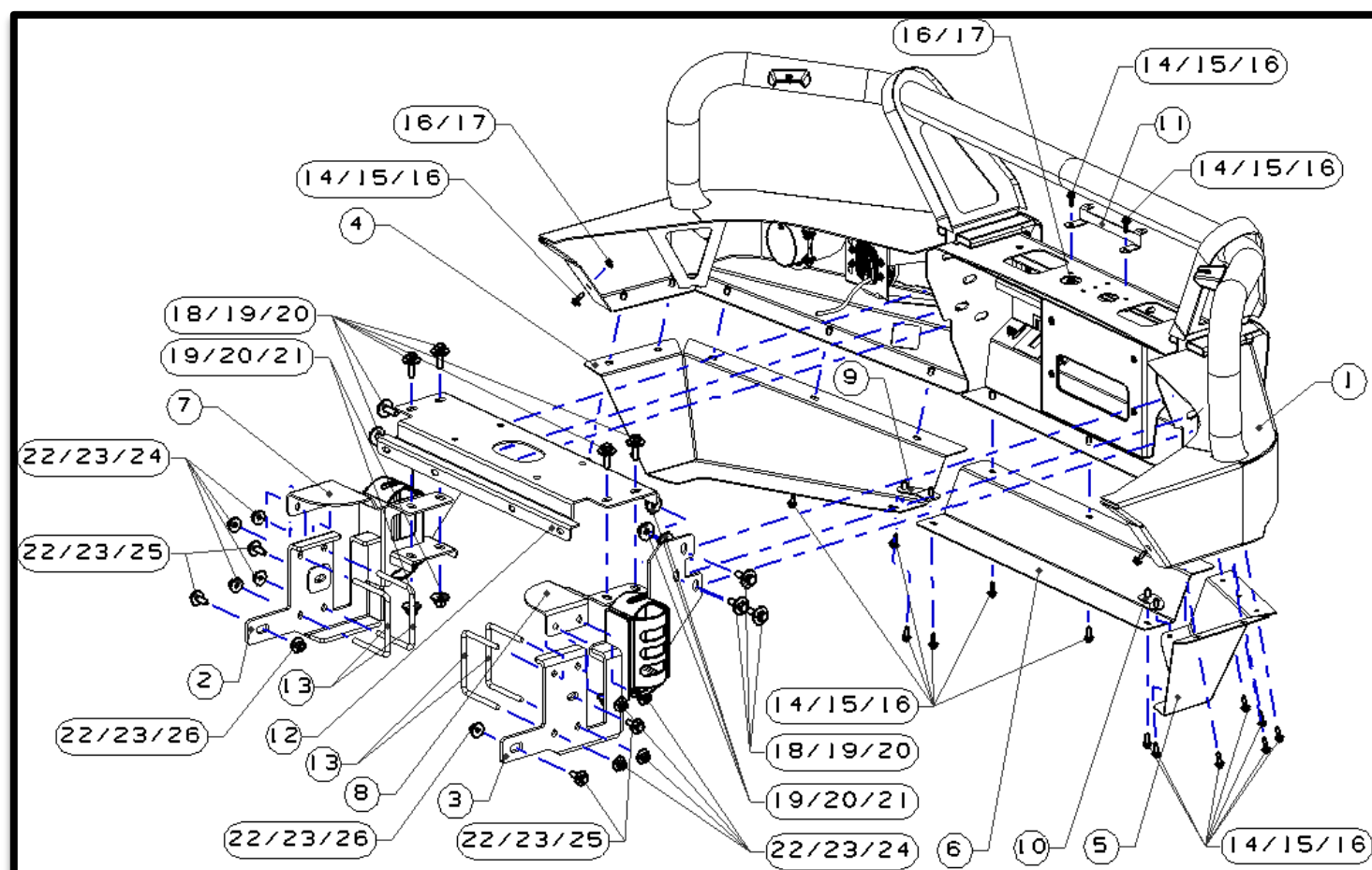
- This product and its fixings must not be modified in any way unless specified in these fitting instructions.
- Do not remove any labels from the product.
- This product is intended solely for use on the specified vehicle model as outlined in these instructions.
- It is the installer's responsibility to ensure the product is correctly installed, allowing for adequate tolerance between the chassis and body, and ensuring clearances for all components.
- Use Loctite on all nuts and bolts during installation.
- The installation of this product may require specialized tools and should be conducted by an experienced fitter.

For more information about this product, please visit www.rockarmor.com.au.

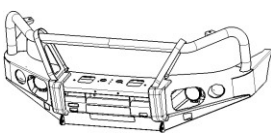
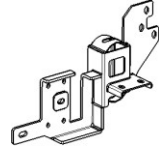
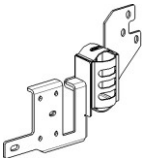
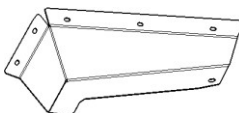
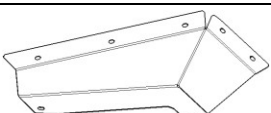
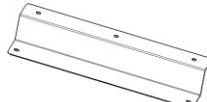
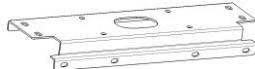
Liability Waiver:

By proceeding with the installation, you acknowledge that the installer is responsible for following these instructions accurately. Rockarmor Pty Ltd will not be held liable for any damages, injuries, or vehicle malfunctions arising from improper installation or failure to adhere to the provided guidelines. Any modifications or deviations from the instructed process will void any warranties and transfer all risks and liabilities to the installer and/or vehicle owner.

Components List



Fitting Instructions

Item	Item NO.	Description	Qty	Item	Item NO.	Description	Qty
Part list							
1	E28000552001	 Bull bar assemble	1	2	E28000550401	 Winch Frame (LH)	1
3	E28000554701	 Winch Frame (RH)	1	4	E28000550601	 Skid Plate (LH)	1
5	E28000550801	 Skid Plate (RH)	1	6	E28000550701	 Middle Skid Plate	1
7	E28000229601	 Mounting bracket (LH)	1	8	E28000229701	 Mounting bracket (RH)	1
9	E28000562601	 Connecting plate (LH)	1	10	E28000562701	 Connecting plate (RH)	1
11	20008945001	 Bracket	1	12	E28000229501	 Connecting plate of winch frame	1
13	E28000229401	U-bolt M10*326.5	4				

Fitting Instructions

Item	Item NO.	Description	Qty
14	3002529	Hexagonal head bolt M6_25/45#/	21
15	3000136	Spring washer D6/65Mn/	21
16	3000222	Washer D6(6x18x1.6mm)/Q235A/	25
17	3001569	hexagon nut with flange M6/35#/	4
18	3002827	Hexagonal head bolt M12_40/45#/	10
19	3000171	Spring washer D12/65Mn/	20
20	3000252	Washer D12(12x37x3mm)/Q235A/	20
21	3001505	Hexagon nut M12/35#/	10
22	3000160	Spring washer D10/65Mn/	14
23	3000245	Washer D10(10x30x2.5mm)/Q235A/	14
24	3001501	Hexagon nut M10/35#/	8
25	3003027	Hexagonal head bolt M10x1.25_35/45#/	4
26	3001541	Hexagonal head bolt M10x1.25/35#	2
27	3003934	cross recessed pan head tapping screw ST4_12/SUS304/	8
28	3000276	Flat washer D4(4x8.65x0.8mm)/Q235A/	8

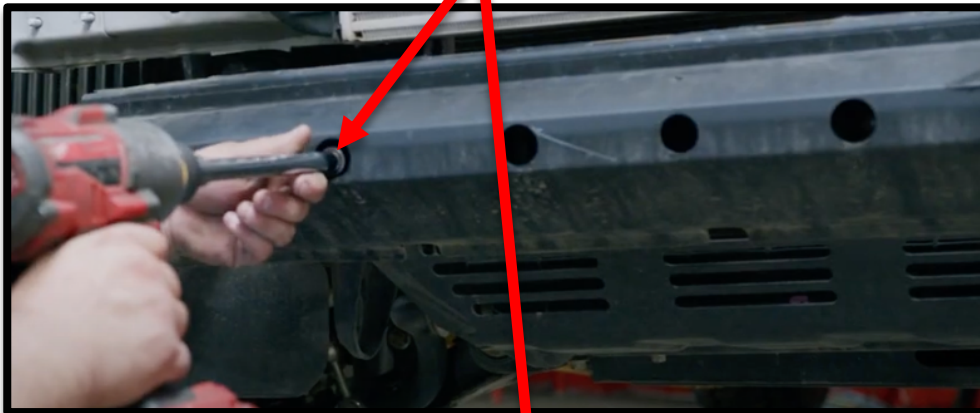
Installation Steps:

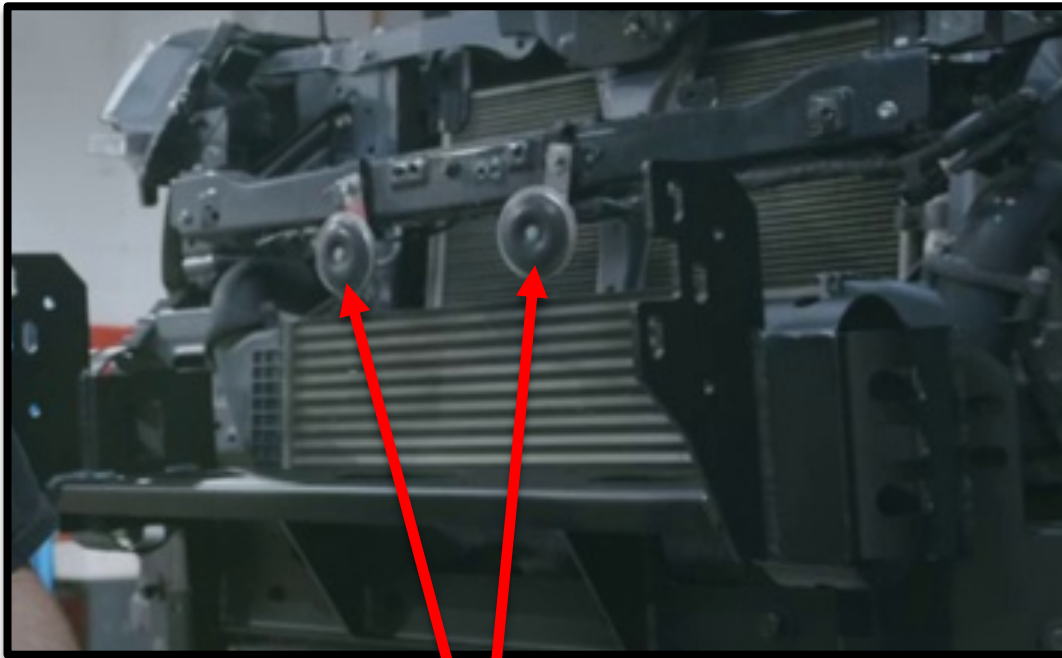
Remove front Factory Grill & Bumper, this step prepares the chassis for the bullbar mounting.



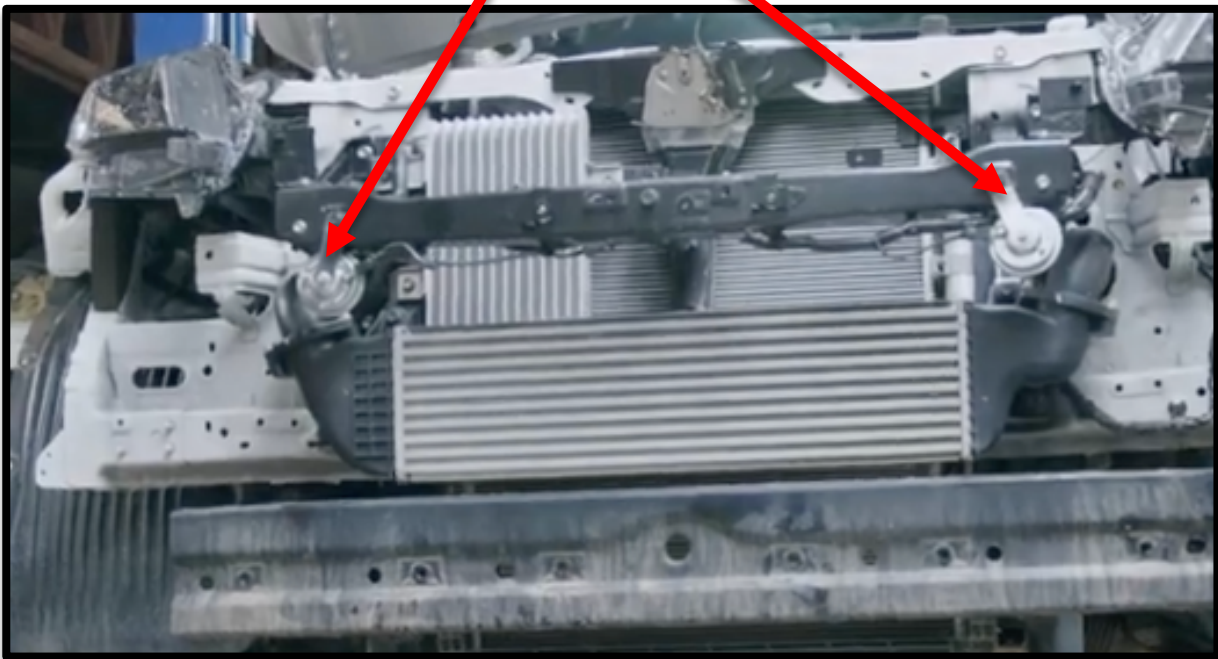


Removal all bolts that hold the Plastic pumper and holding brackets into place





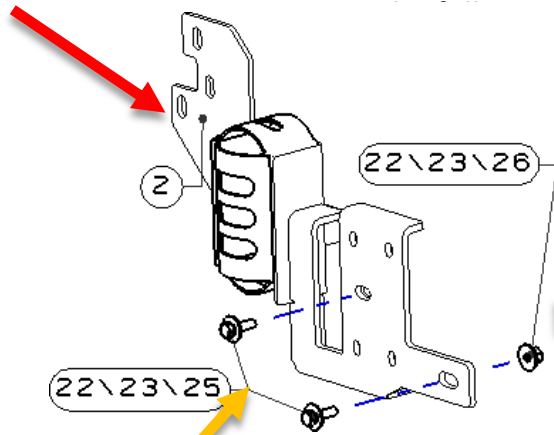
Removal Factory Horn and relocate further apart for room for winch installation



Brackets Needed for this section

Item 2: Winch Frame

Install the winch frame (left side, Item 2) onto the chassis Rails.

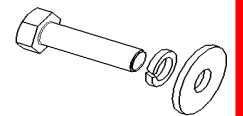


Bolt Kit

Item 22: Spring washer D10/65Mn/

Item 23: Washer D10(10x30x2.5mm)/Q235A/

Item 26: Hexagonal head bolt M10x1.25/35#

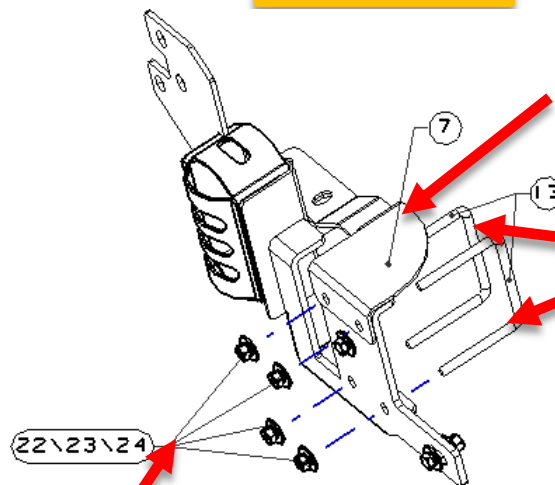
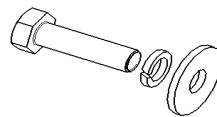


Bolt Kit

Item 22: Spring washer D10/65Mn/

Item 23: Washer D10(10x30x2.5mm)/Q235A/

Item 25: Hexagonal head bolt M10x1.25_35/45#/



Item 7: LH Mounting Brackets

Item 13: U- Bolts

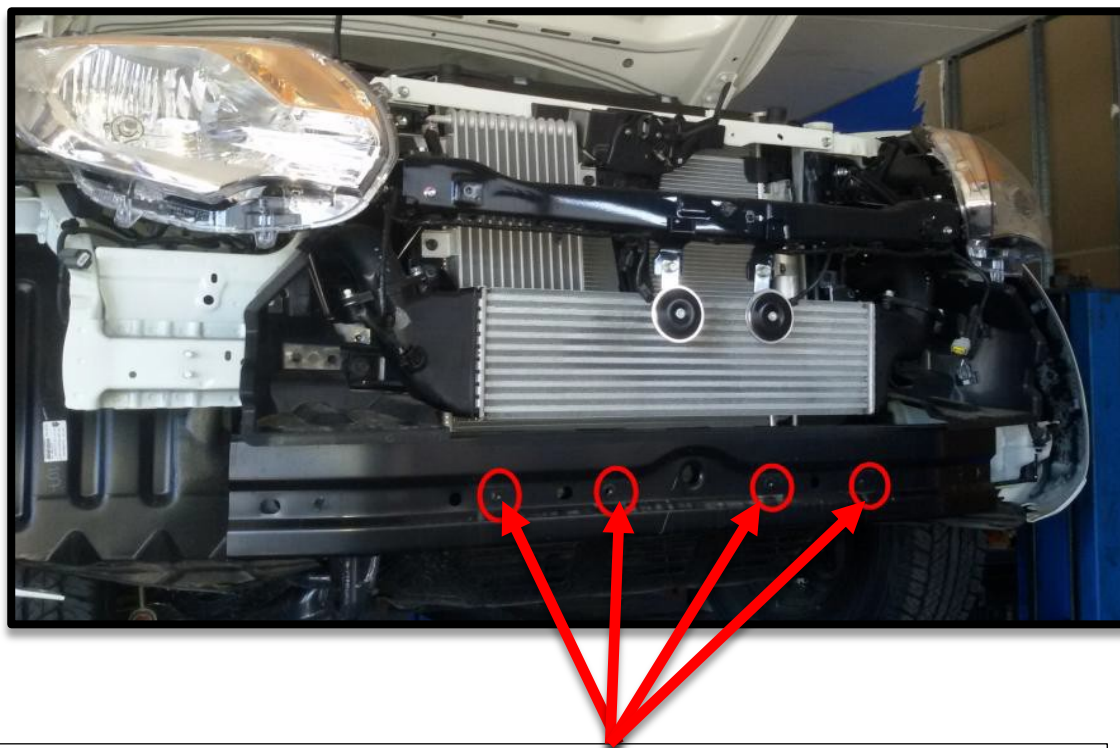
Bolt Kit

Item 22: Spring washer D10/65Mn/

Item 23: Washer D10(10x30x2.5mm)/Q235A/

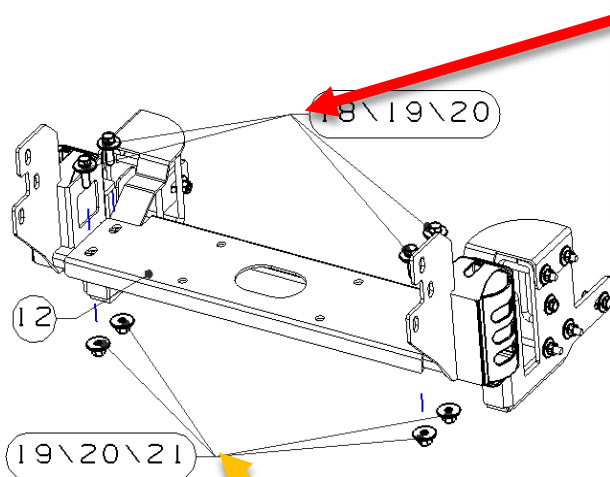
Item 24: Hexagon nut M10/35#/

Replicate for Right Hand Side



Install the winch frame connecting plate (Item 12).

Note the four mounting holes shown in the reference image and remove the original factory bolts before installation.



Bolt Kit

Item 18: Hexagonal head bolt M12_40/45#/

Item 19: Spring washer D12/65Mn/

Item 20: Washer D12(12x37x3mm)/Q235A/

Bolt Kit

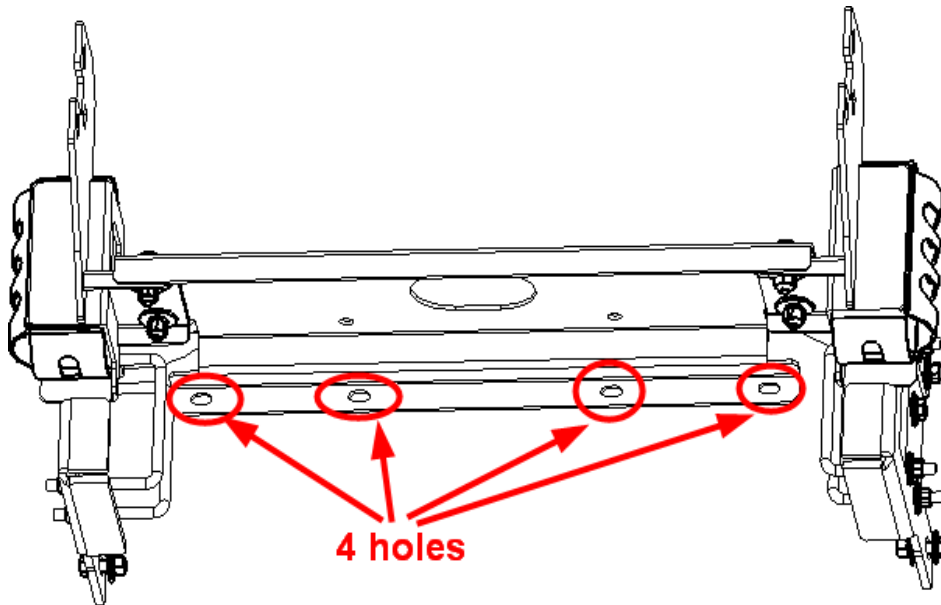
Item 19: Spring washer D12/65Mn/

Item 20: Washer D12(12x37x3mm)/Q235A/

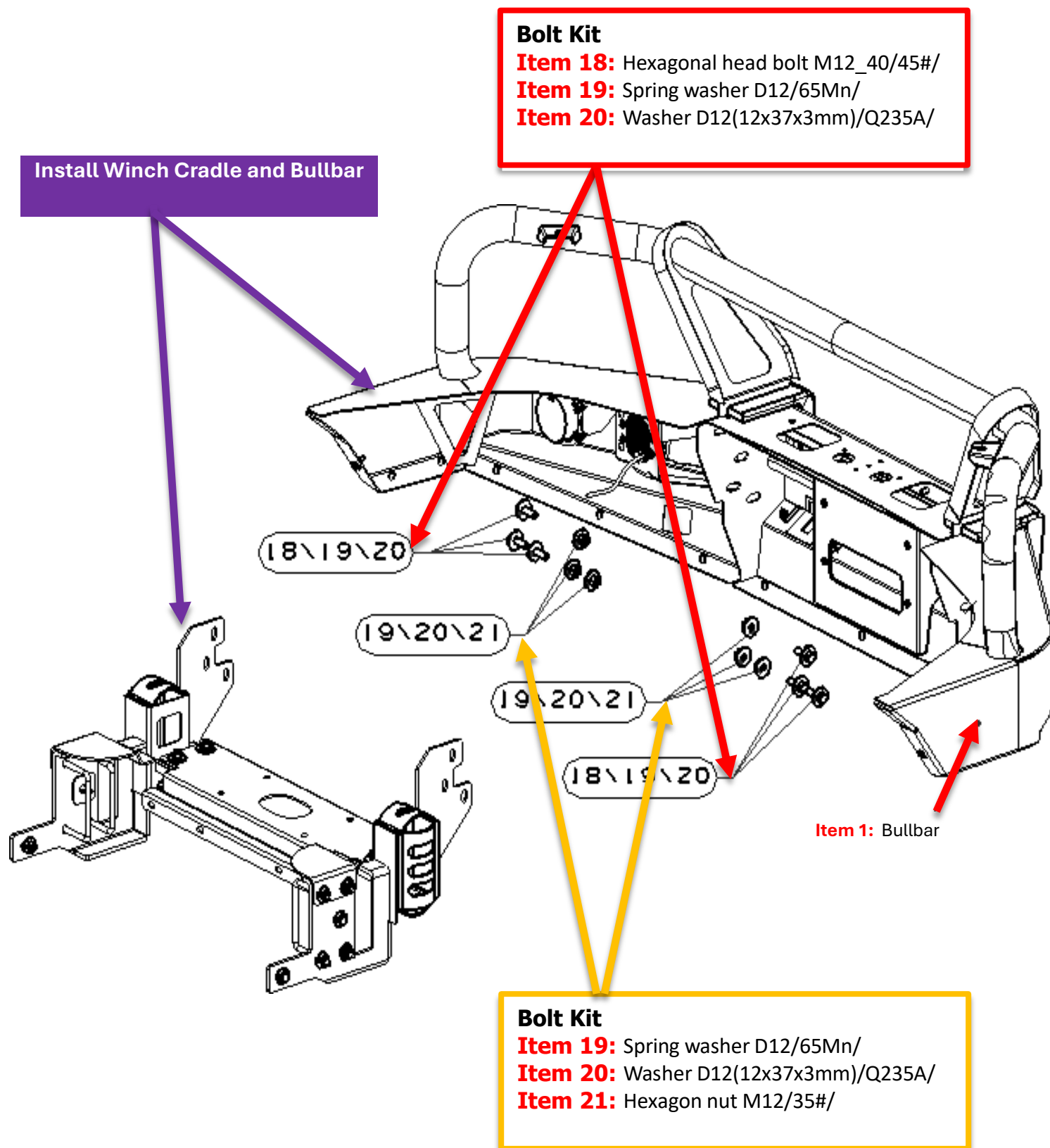
Item 21: Hexagon nut M12/35#/

Install the winch frame connecting plate (Item 12).

Note the four mounting holes shown in the reference image and remove the original factory bolts before installation.

**Please note:**

When installing an electronic winch on Rockarmor bullbars, the winch and control box may vary depending on the model, size, and brand. Our provided guide is a general reference designed to accommodate the most common winch types. Installation methods may differ, and multiple configurations are possible, with or without the control box bracket. Please note that for some brands, the control box may be mounted separately depending on its size.



Fix Side Wing Section

Bolt Kit

Item 16: Washer D6(6x18x1.6mm)/Q235A/

Item 17: hexagon nut with flange M6/35#/

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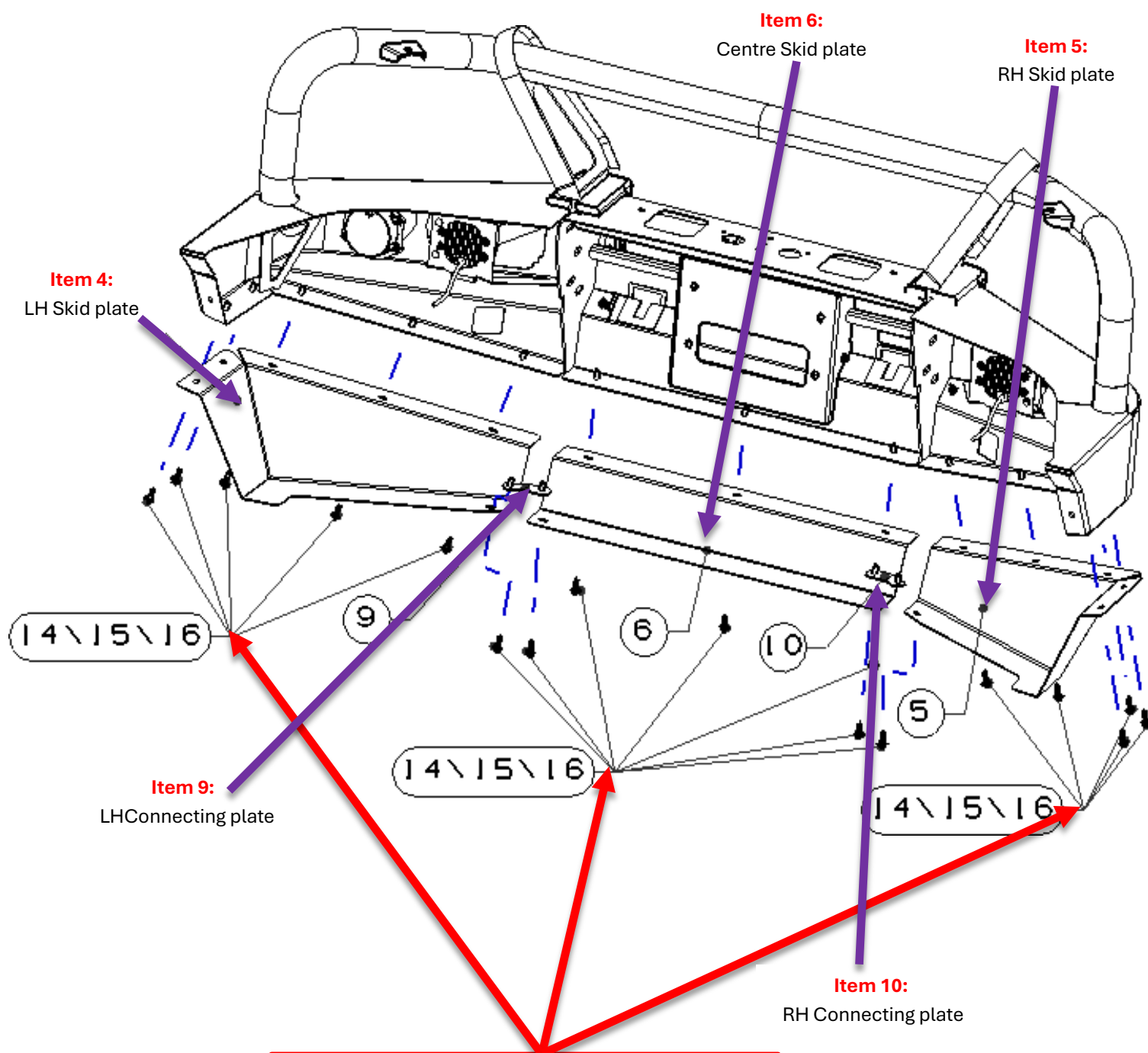
Bolt Kit

Item 14: Hexagonal head bolt M6_25/45#/

Item 15: Spring washer D6/65Mn/

Item 16: Washer D6(6x18x1.6mm)/Q235A/

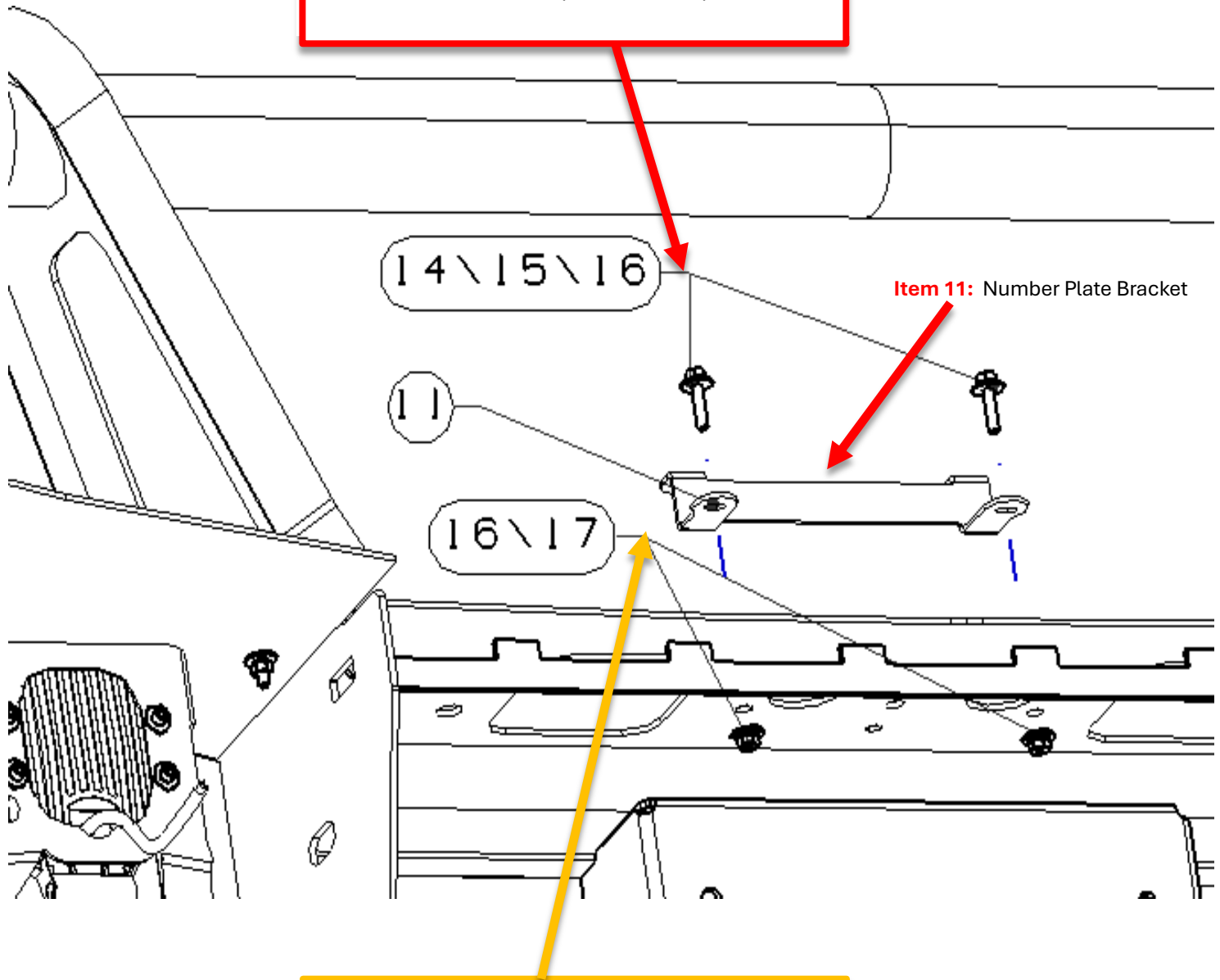
Installation of Front Skid Plates



Bolt Kit

Item 15: Spring washer D6/65Mn/

Item 16: Washer D6(6x18x1.6mm)/Q235A/



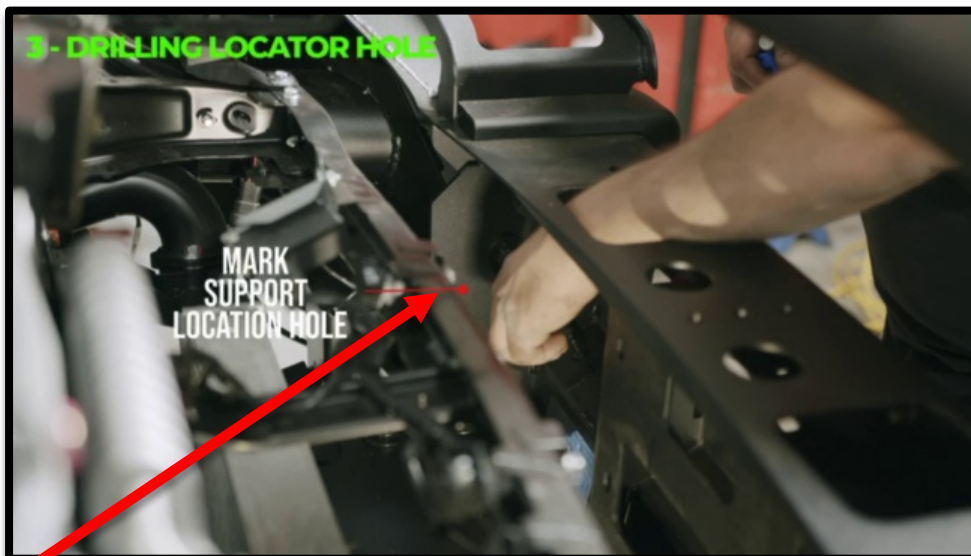
Item 16: Washer D6(6x18x1.6mm)/Q235A/

Item 17: hexagon nut with flange M6/35#/

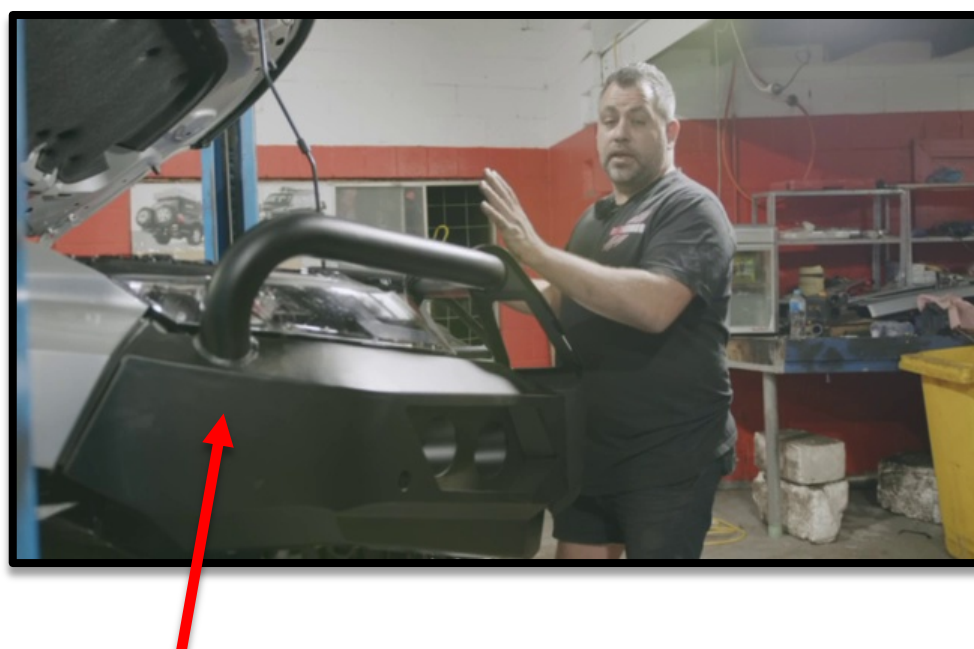
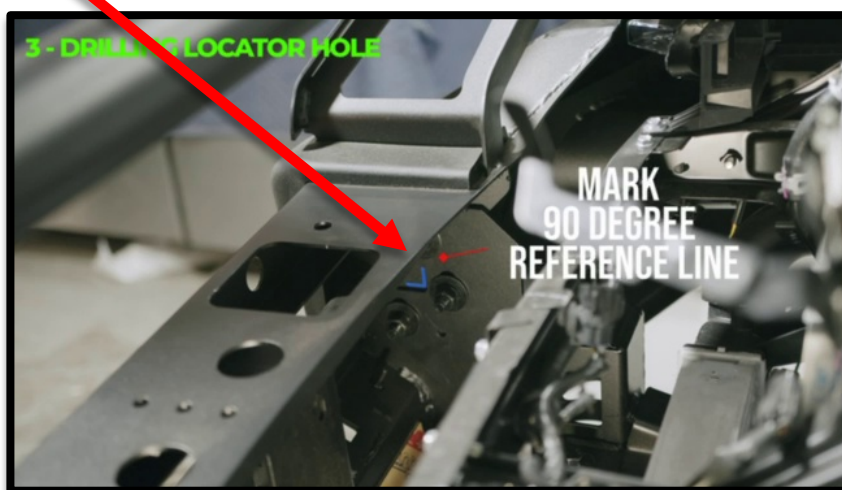
VERY IMPORTANT: Securing the Bullbar locator

Please note the following section is a generic part of the installation that is needed in the installation of all GT bullbar's and thus photos of the bar may differ in the installation process.

1. A locator hole is essential for all GT Bullbar models.
2. It ensures correct positioning, alignment, and leveling of brackets, the bullbar, and accessories before final installation.
3. Temporarily mount the bullbar to mark the exact positioning.
4. After confirming placement, mark the bullbar again using:
 - i. The locator holes
 - ii. An additional square section to establish a 90-degree reference line
5. Use a white permanent marker for visibility.
6. Remove the bullbar and drill through the locator hole from the winch bracket into the bullbar.
7. Secure it by inserting bolts and nuts as per installation instructions.



Mark a reference line(s) and hole that needs to be drilled, you can use this reference line(s) to align the bulbar once you all mounted and the relocater hols has been tighten appropriately.



Remove bulbar from the frame in preparation of drilling the locator hole as marked in the previous section

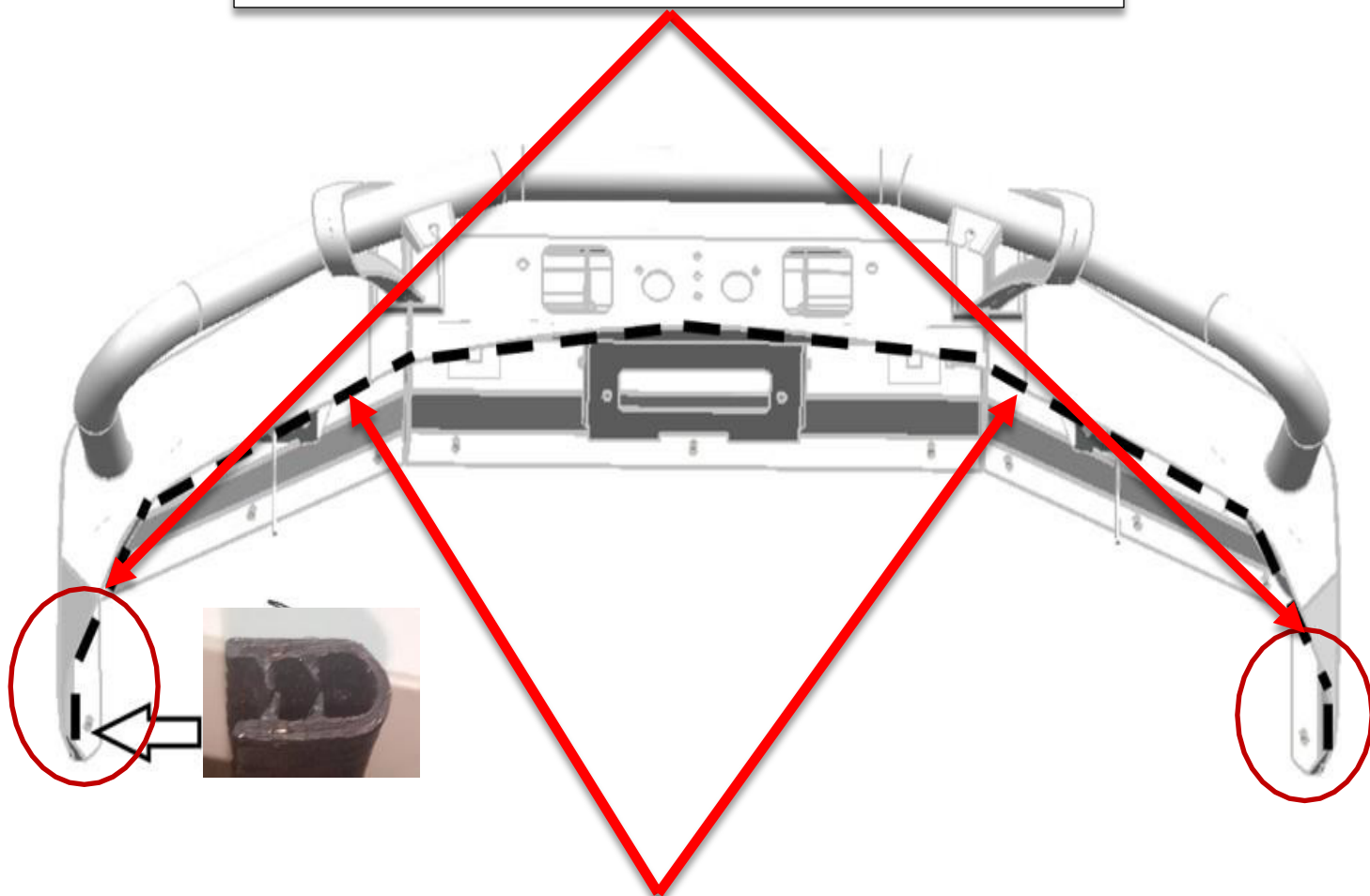
Drill the locator hole as marked



The following step is required only once the bulbar has been mounted and secured



Install the pinch Weld on the side section only of the Bullbar



Install the pinch weld on the side section only of the bullbar. Once installed, it is highly recommended to maintain this gap as a standard clearance between the bullbar and the vehicle body.

Tip: Suggest doing the auto electricals for the Parking Lights ,indicators and other Lighting needs.

We strongly advise you employ a qualified auto electrician to complete the auto Electrics on the Vehicle.

Wiring Colour Codes from lights on the Rockarmor Bullbar:
Red - Fog Light
White - Park Light
Yellow - Indicator Light
Black - Earth (Ground)

Final Assembly and Testing

- Description: Tighten all bolts to the specified torque values. Inspect the installation for stability and ensure all components are securely fastened. Test fit the guard to confirm there are no vibrations or misalignments.
- Safety Note: Do not operate the vehicle without completing the final inspection.

Rockarmor Disclaimer:

Rockarmor Pty Ltd takes no responsibility for any damages, injuries, or vehicle malfunctions resulting from improper installation or failure to follow the provided fitting instructions. We strongly recommend that the installation of this product be carried out by a qualified and experienced fitter with the appropriate tools and knowledge to ensure safety and proper functionality.

Any modifications to the product or deviations from the instructed procedure will void all warranties and transfer full responsibility to the installer and/or vehicle owner. Additionally, it is highly advisable for the vehicle to have a suspension upgrade when installing a bullbar. Rockarmor will not be responsible for any damage to the bullbar or vehicle if the suspension has not been upgraded. By proceeding with the installation, the installer acknowledges and accepts all risks and liabilities associated with the fitting process.

Suspension Upgrade Recommendation for Bullbar Installation

When installing a GT Bullbar, it is highly recommended to upgrade your vehicle's suspension to accommodate the additional weight of the bullbar and any other accessories, such as a winch. Neglecting to do so can lead to vehicle sag, compromised handling, and potential damage to the vehicle. The chassis and body of the vehicle move independently, and if the suspension has not been tailored to accommodate the additional accessories, you could seriously damage lights, panels, and other components due to excessive movement and stress on mounting points.

Front Suspension Upgrades:

- Assess the Added Weight: Determine the combined weight of the bullbar and any front-mounted accessories to ensure proper load distribution.
- Select Appropriate Springs: Upgrade to heavy-duty front springs rated for an additional 80 kg or more to maintain proper ride height and handling.

- **Consider Matching Shock Absorbers:** Pairing upgraded springs with compatible shock absorbers can enhance ride quality and control, reducing excessive movement.

Rear Suspension Considerations:

- **Evaluate Rear Accessories:** If adding accessories like rear bars, spare wheel carriers, or additional storage, assess the extra weight imposed on the rear suspension.
- **Upgrade Rear Springs or Add Support:** Installing heavier-duty rear springs or auxiliary support systems, such as airbag spring helpers, can help manage the increased load and prevent rear-end sag.

General Recommendations:

- **Combined Weight Consideration:** When installing multiple accessories, calculate the total additional weight to determine the necessary suspension upgrades.
- **Professional Consultation:** Before making suspension modifications, consult with a suspension specialist to ensure compatibility and optimal performance.
- **Regular Maintenance:** After upgrading, periodically inspect suspension components for wear and ensure all parts are functioning correctly.

By aligning your vehicle's suspension with the added weight of accessories, you maintain safety, performance, and the longevity of your vehicle's components. Failing to do so may result in long-term damage and expensive repairs.