



INSTALLATION INSTRUCTIONS

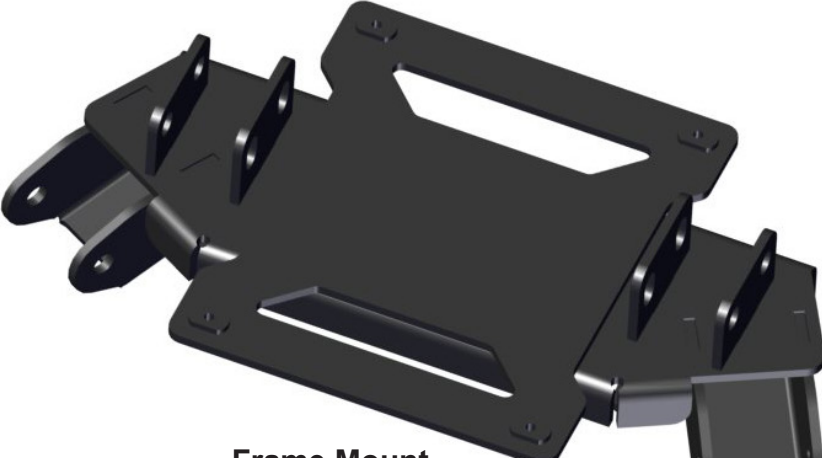
Track Bar Frame Mount Kit: TBR-CA-DEF-FMW

- Please look through and read these instructions BEFORE starting so you understand what processes you'll be doing, and possible extra tools you may need.
- Do Not discard product packaging until installation is complete and functioning properly.

IMPORTANT: *If copying these instructions, DO NOT "Scale to Fit" print. Print at 100% or actual size. Scaling will change the size of the enclosed cutting template!*



Track Bar Assemblies



**Frame Mount
Weldment**



**45° Heim
Mounts**



**12.5mm
Drill
Bit
(1pc)**



**5.5mm
Drill
Bit
(1pc)**



**M12x80
Hex
Flanged
(2pcs)**



**M12x70
Hex
Flanged
(6pcs)**



**Centering
Drill
Bushing
(1pc)**



**M6x30
Button
Flanged
(4pcs)**



**M12
Nylock
Nuts
(6pcs)**

In order to install the Frame Weldment Mount, you will need to modify your skid plates to clear an area for the Mount to be installed. To help with this, we have included a **Cutting Template** located at the end of these instructions for you to cut out and trace the pattern of the cut shape onto your skid plates. There are 3 pages to take out to make the template with.

TIP: We found it easier to trace the template shape onto some cardboard to cut out to make it easier to trace the shape onto the skid plates.

1. **Fig.1a** shows the cut-out shape from your template. After you tape the pattern together, cut it out and apply to the skid plates or trace on a piece of cardboard, to use that to apply to the skid plates, align the top edges of the template shown in **Fig.1b** to the dotted line representing the top edges of the holes. Then align, for side-to-side, the vertical edges of the template to the skid plate seams also shown in **Fig.1b**. This will get you centered front-to-back and side-to-side. See **Fig.1c** showing the template in place.

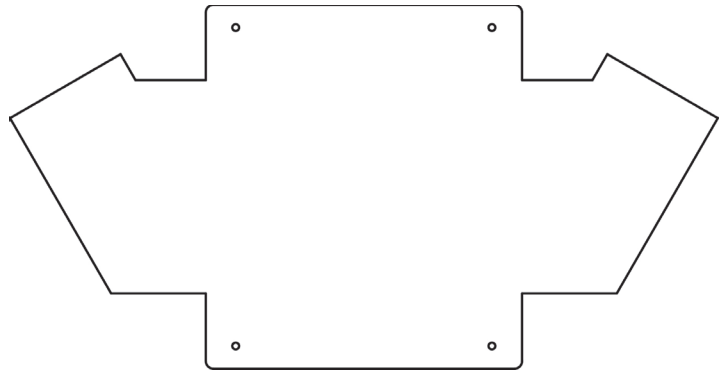


Fig.1a

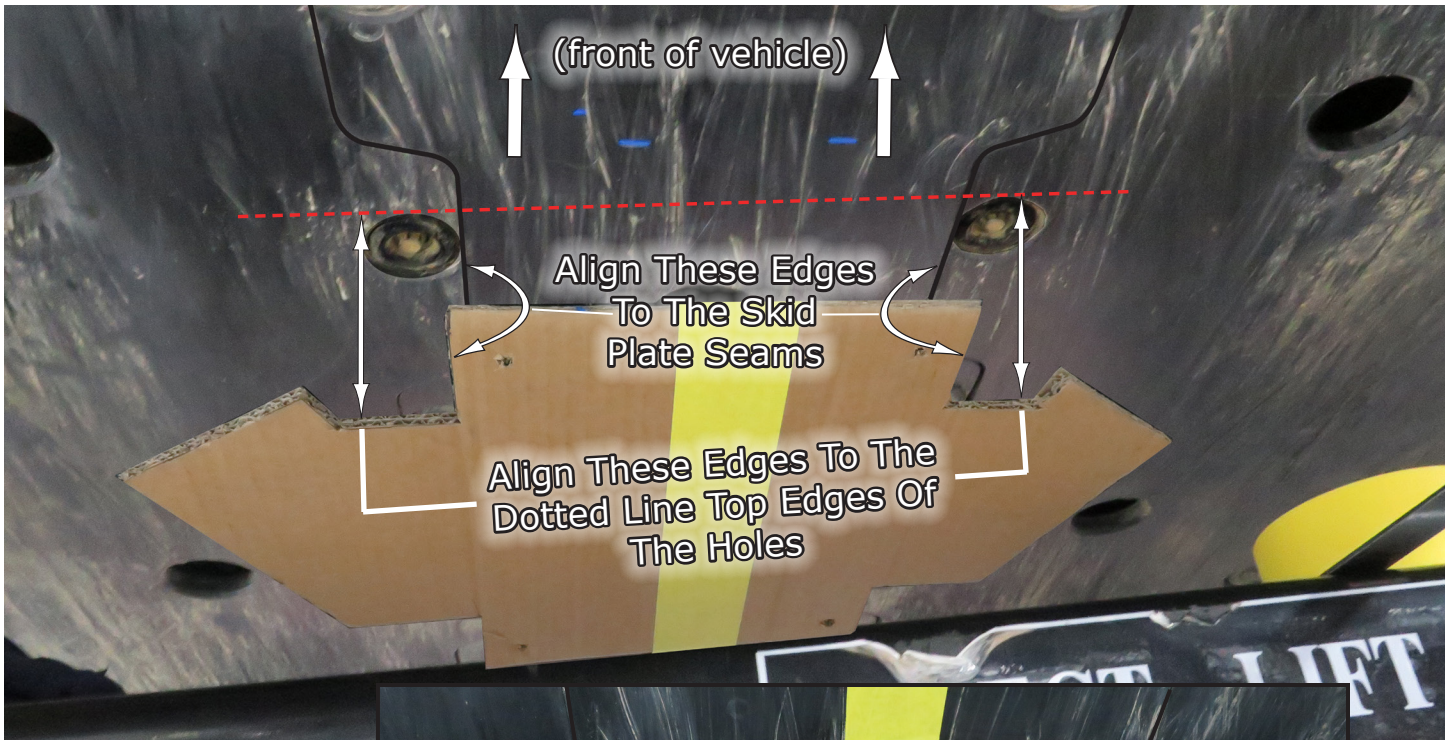


Fig.1b

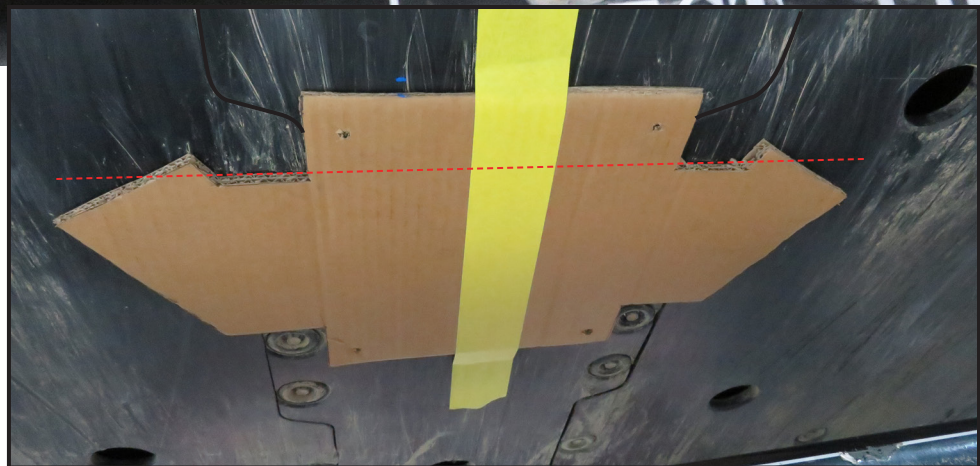


Fig.1c

2. When the template is in place, tape it to the skid plates and trace the contour you will be cutting out. However, you will only need to trace some of the template as not all of it will be cut out. **Fig.2** shows the template highlighted showing that you only will be cutting out the thicker darker lines of the template, or center area. The upper and lower wings that have the holes in them are just there to hold the holes in their correct locations.

You will be doing this in Four (4) steps:

1. *Tracing the sides first.*
2. *Drill mark the holes.*
3. *Remove the template.*
4. *And draw two (2) lines to complete the shape you will be cutting.*

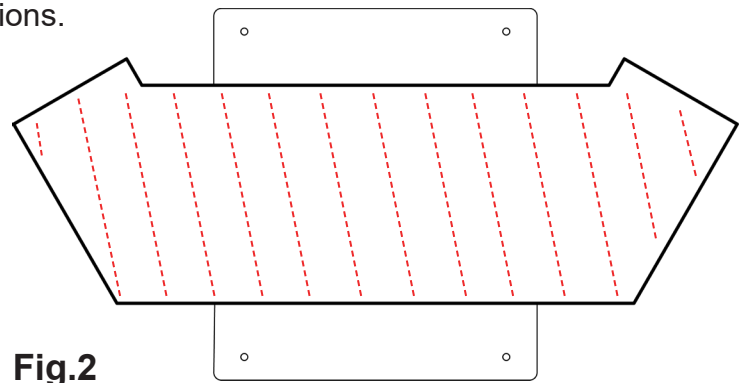


Fig.2

3. First trace the left and right sides of the template as shown in **Fig.3a**. Then with the **5mm Drill Bit** from your kit, drill through your template at each hole into the skid plate just a little, enough to only mark the location of each hole, **Fig.3b**. You will drill thru later. Then remove the template from the vehicle, and then with a straight edge, connect the two (2) sides you traced together joining them in the center as shown in **Fig.3c**. This will be the shape you cut out as shown in **Fig.2** also.



Fig.3a

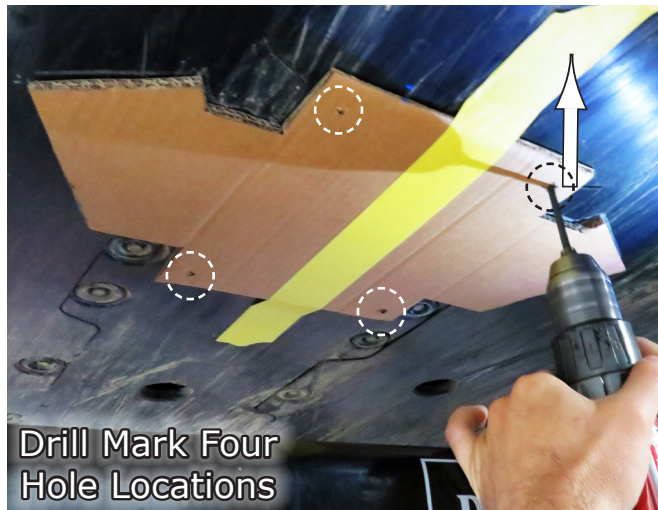
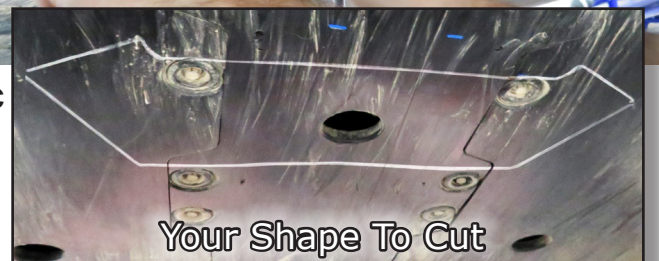


Fig.3b



Fig.3c



4. **Fig.4a-b** show the finished cut-out with the skid plates flat on the floor together and separated for you to compare if needed.

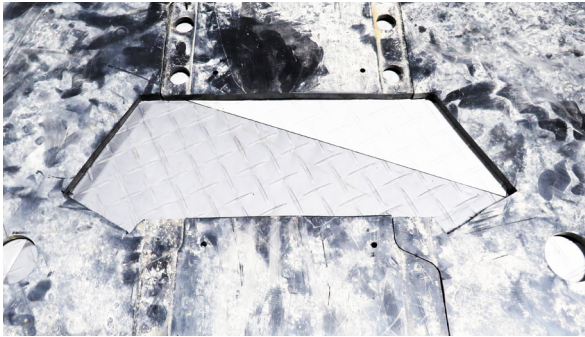


Fig.4a



Fig.4b

5. Next you will need to mount the **Frame Mount Weldment**. To do this you will need to measure a distance of **23"** from the back edge of the **Slot Hole** shown, and back to where the front edge of the **Frame Weldment** will be mounted, then mark your lines on the frame, on each side, as shown in **Fig.5a**. Then place the **Frame Mount** up against the underframe and align the front edge of the **Frame Mount** to the 23" markings you made previously. Then support the **Frame Mount** in place as you will need to drill some holes with the **Frame Mount** in that fixed location. See **Fig.5b**.

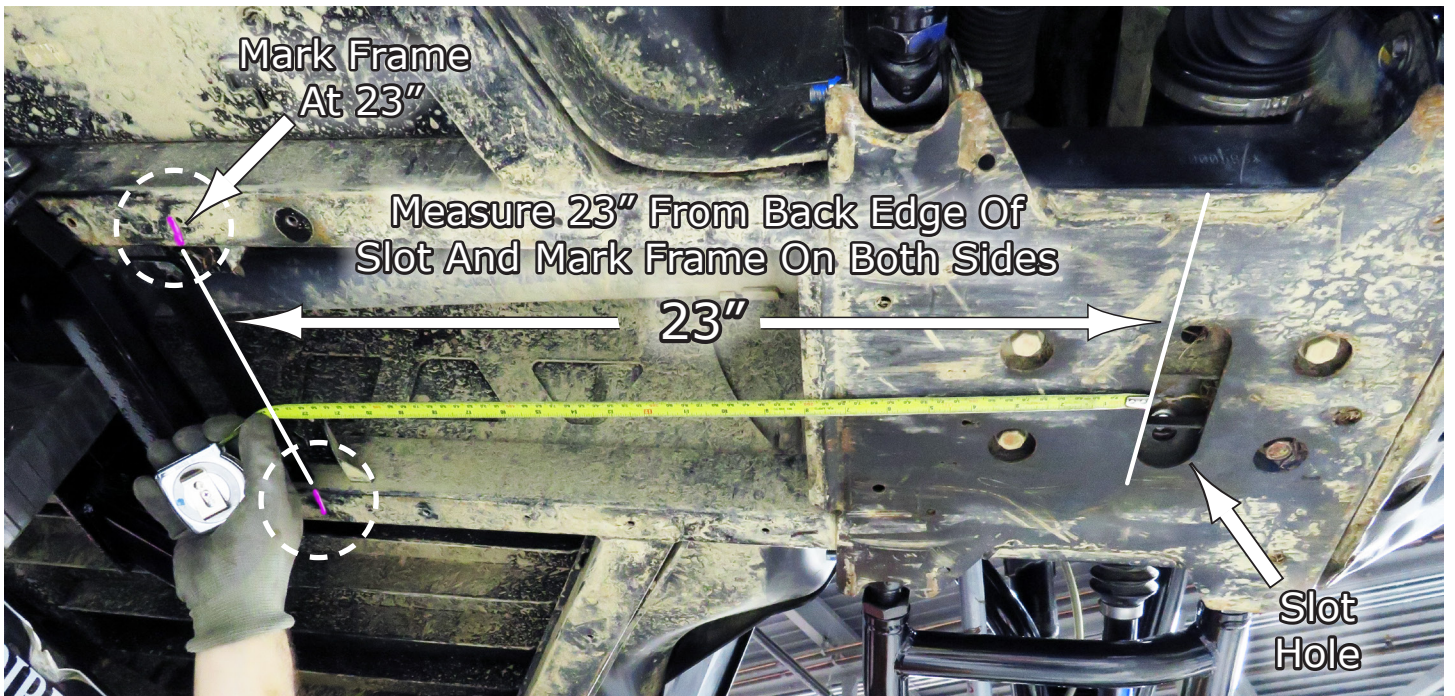


Fig.5a

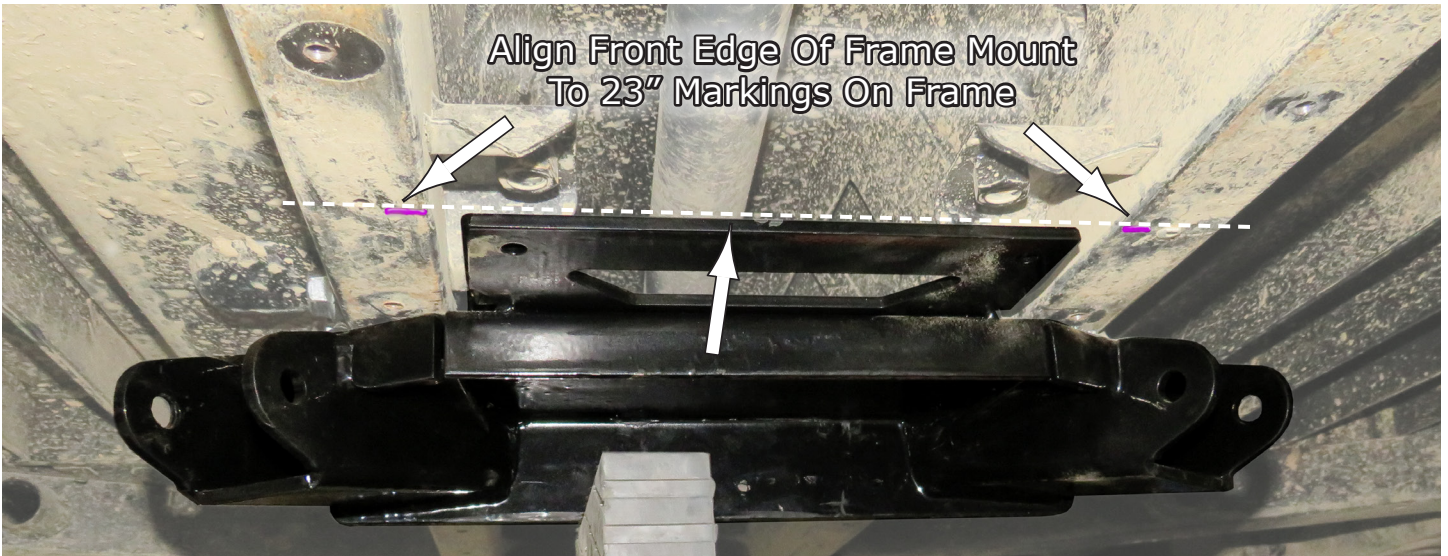


Fig.5b



6. After the **Frame Mount** is supported in place, you will need to drill some holes in the frame to install the **Frame Mount**. **Fig.6a** shows the two (2) locations of the mount that you will be drilling out. Two (2) on the Right side and two (2) on the Left side of the mount. You will use the two (2) Drill Bits included in your kit, (1) **5.5mm** and (1) **12.5mm**, to drill with along with the **Centering Drill Bushing** to ensure accuracy and centering of your drilled holes for the mount. First, place the **Centering Drill Bushing** in the holes of the **Frame Mount** as shown in **Fig.6b**.



Fig.6a

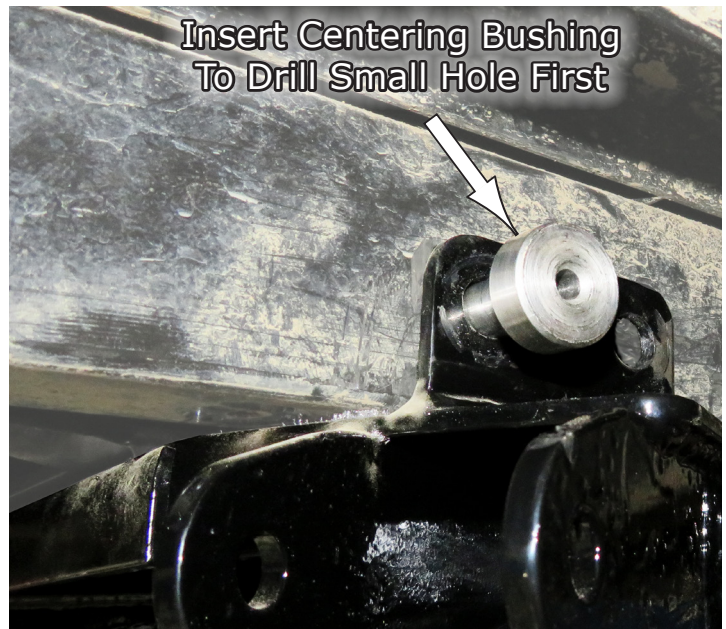


Fig.6b

7. Now with the **Centering Bushing** in place drill your pilot hole using the **5.5mm Drill Bit** from your kit. See **Fig.7a**. Then once you have the hole started you can remove the **Centering Bushing** and finish drilling the hole thru as shown in **Fig.7b**.



Fig.7a



Fig.7b

8. Next, take the **12.5mm Drill Bit** from your kit and drill thru the frame as shown in **Fig.8a**. Repeat for both holes in bracket. See **Fig.8b**. Then you will need to drill thru the other side of the frame so you can slide a bolt thru the **Frame Mount** and vehicle frame. To make sure your drilled hole will be aligned with the other side of the bracket, re-insert the **Centering Drill Bushing** into the hole you just drilled with the large drill bit and push it all the way in the hole. See **Fig.8c**. Then again, start with the **5.5mm B** it to drill thru the other side of the frame wall. The Centering Bushing will make sure your drill bit is also centered with the other side of the frame. Drill thru with both bits from your kit for the other side of the frame as well. Repeat these procedures for the passenger's side of the **Frame Mount**, making sure that it does not move.



Fig.8a

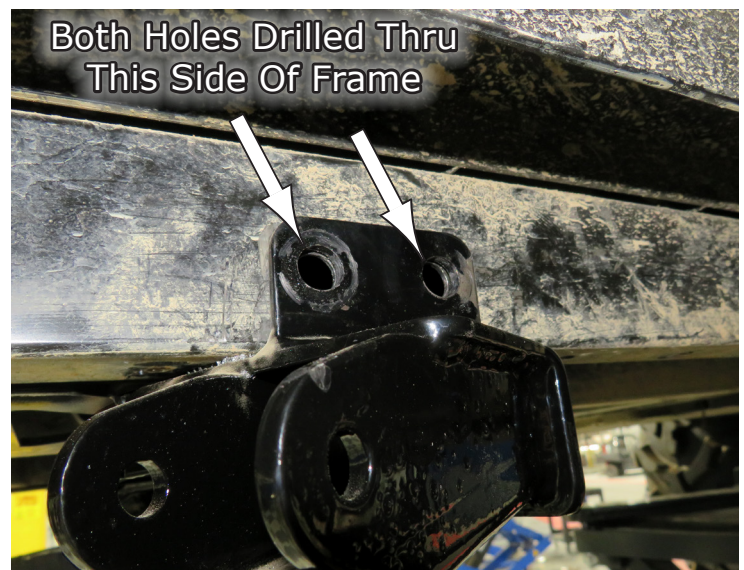


Fig.8b

Re-install Centering Bushing To Drill Thru Other Side Of Frame Using Both Bits From Your Kit



Fig.8c



9. After you have drilled thru both sides of the frame on both Left and Right sides of the **Frame Mount**, you are now ready to install the Bolts and Nuts to hold it in place. Do this using the **M12x70 Hex Flanged** bolts and **M12 Nylock Nuts** provided in your kit. See **Fig.9a-b**.

NOTE: Install all four (4) bolts first before installing the Nylock Nuts and tightening them down in case of any adjustments that may need to be done, then tighten all bolts securely.



Fig.9a



Fig.9a

10. Now that the **Frame Mount** is installed, you can now start to install the **Track Bar Assemblies**. So the first thing you need to install are the **Heim Mounts** or clamps to the A-Arms. Looking at the Driver's Side, the **Heim Mount** installs right at the A-Arm cross bar and goes together using the four (4) bolts that came with it. Install the **Heim Mount** in this general location but do not tighten down the bolts yet. See **Fig.10**.



Fig.10

11. Next you can install the **Track Bar Assy**. You will need to position it as shown in **Fig.11a** with the shorter end of the bend towards the **Frame Mount**. Both ends slide up into the clevis and install using the **M12x70/80 Hex Flanged bolts** and **M12 Nylock Nuts**. See **Fig.11a-c**.

NOTE: *Adjust Heims to a distance of 25" apart to start for correct spacing to the connection points. Adjust this distance if needed to get correct spacing.*

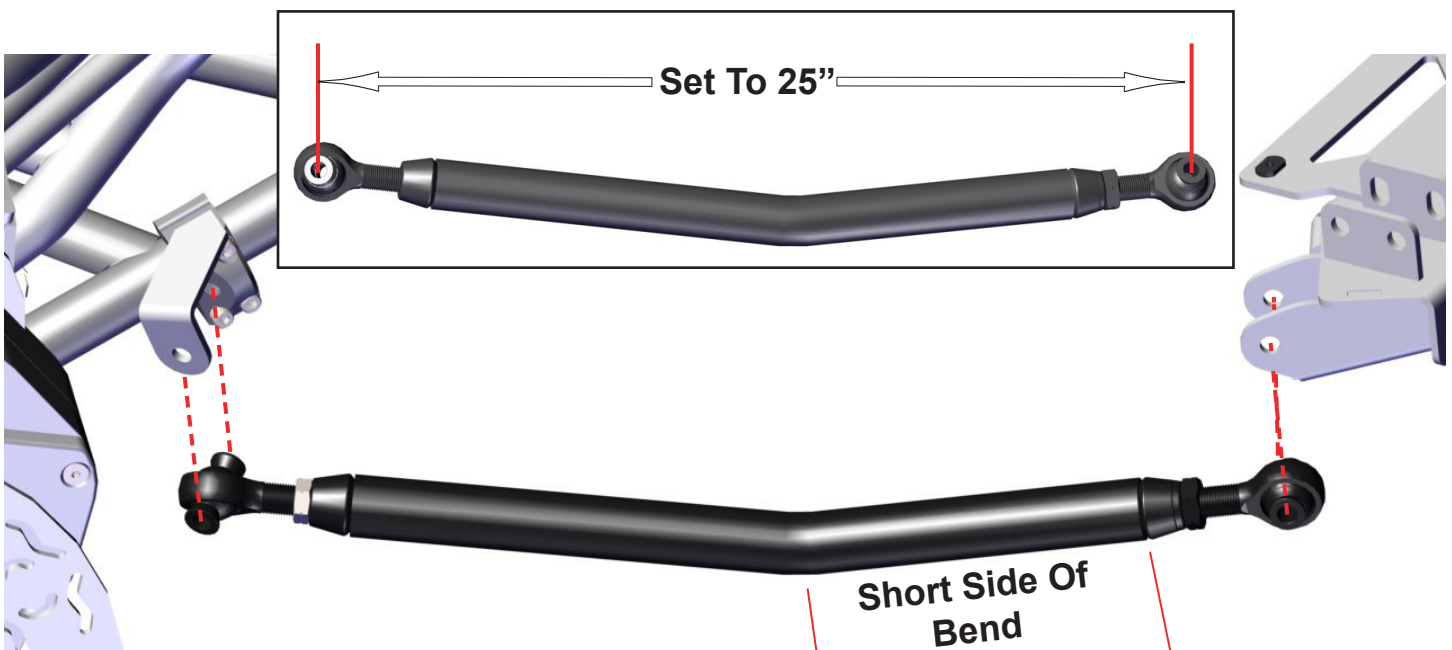
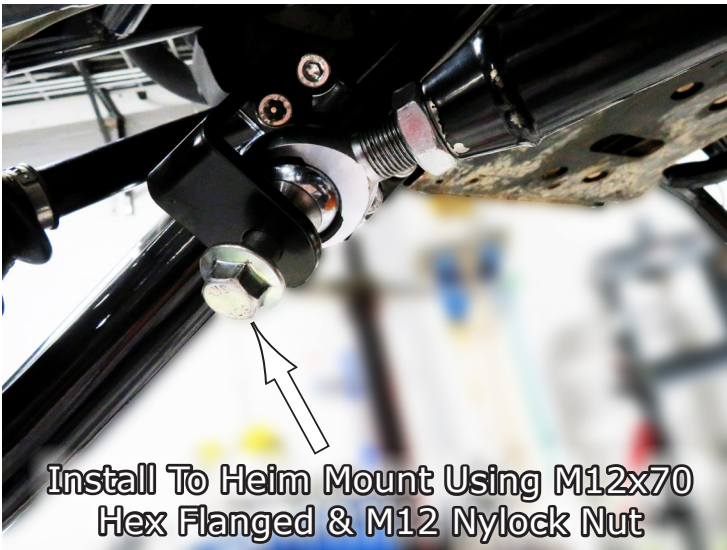


Fig.11a



Install To Heim Mount Using M12x70 Hex Flanged & M12 Nylock Nut

Fig.11b



Install To Frame Mount Using M12x80 Hex Flanged & M12 Nylock Nut

Fig.11c



12. After all bolts and nuts are installed and **Track Bars** adjusted, then tighten them all down securely. After both sides have been installed, yours should look like the one in **Fig.12** below.



Fig.12

13. Now you need to install the **Front Small Skid Plate** in front of the **Frame Mount** and then install two (2) **M6x30 Button Flanged** screws into the holes you previously drilled out in that skid plate. Then install the remaining factory bolts etc. See **Fig.13a-b**.

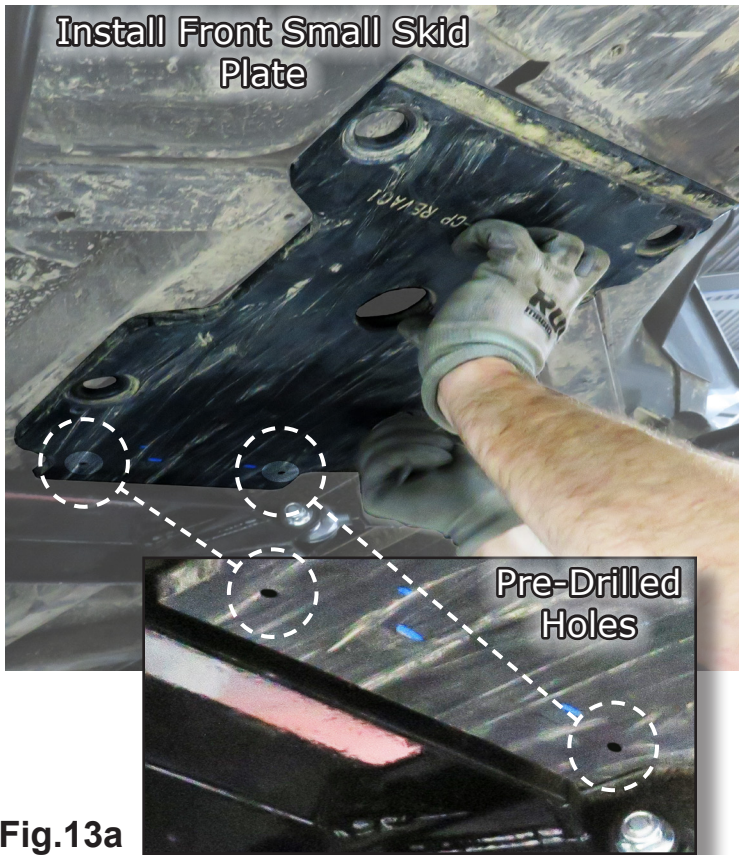


Fig.13b

14. After the front skid plate is installed, you can now install the skid plate that is directly behind the **Frame Mount**. You will install this one using the remaining two (2) **M6x30 Button Head** screws provided in your kit. These go in the other two (2) holes drilled from your template when you started. Then install the remaining factory bolts and washers for that plate. See **Fig.14a-b**.

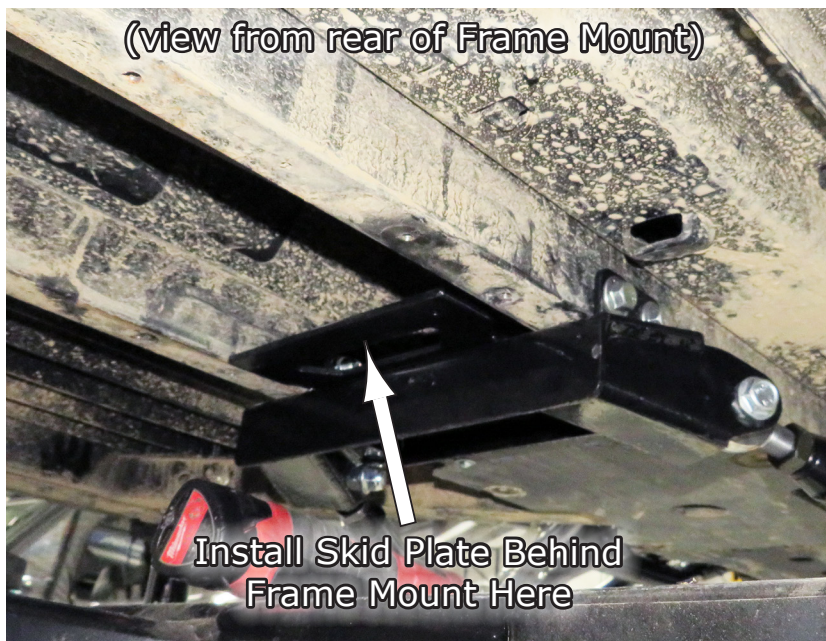


Fig.14a

Fig.14b

Cutting Template

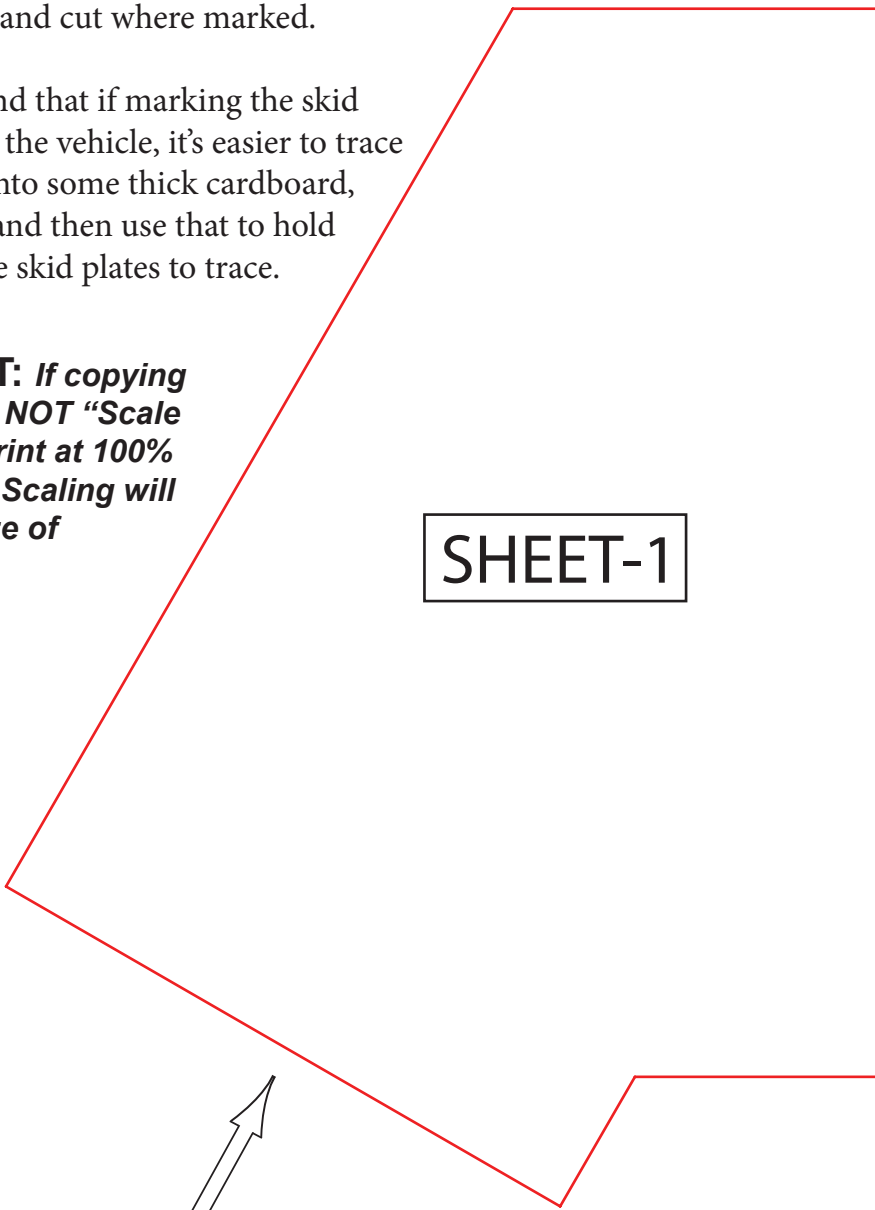
A

There are three (3) sections to the cutting template. First remove or copy the three sheets, and then cut the corners off of Sheets-2 & 3 on the dotted lines as this will help you align the Template up. Next, overlay the "A" line of Sheet-2 over top of the other "A" line on Sheet-1, line to line, and tape in place. Then overlay the "B" line on Sheet-3 right over top the "B" line on Sheet-2, line to line, and tape in place to create the template. Cut out and trace with a paint marker the perimeter of the template onto the skid plate at the location designated in the Installation Instructions, and cut where marked.

TIP: We found that if marking the skid plates still on the vehicle, it's easier to trace the pattern onto some thick cardboard, cut that out, and then use that to hold up against the skid plates to trace.

IMPORTANT: *If copying the pages, DO NOT "Scale to Fit" print. Print at 100% or actual size. Scaling will change the size of the template!*

SHEET-1



Trace this outer perimeter as your cut pattern after taping all three pages together

A

B

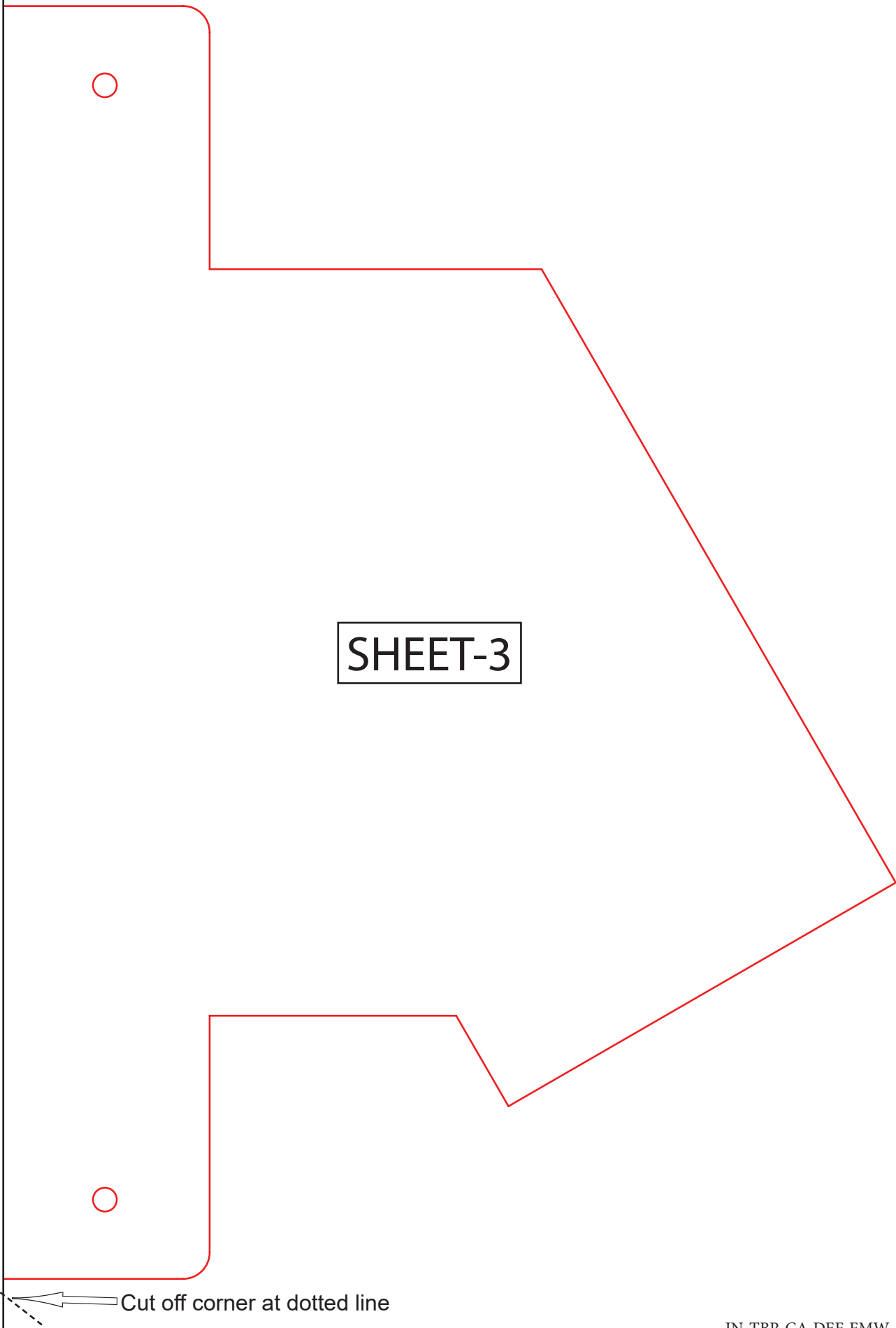
Cut off corner at dotted line

SHEET-2

Cut off corner at dotted line

B

Cut off corner at dotted line



SHEET-3

Cut off corner at dotted line

After you have installed the skid plates in front and in back of the Frame Mount, this concludes this installation and you can now install the rest of the skid plates back onto your vehicle and return your vehicle back to it's normal state.



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