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U.H.M.W. Skid Plate / Under Armor Package

Ultra. High. Molecular. Weight. polyethylene all terrain skid plate / under armor kit for UTV's

Installation Guide (Ultimate Package)

Polaris

RZR Pro XP (2020 - 2021+)



Polaris RZR Pro XP (2020 - 2021+) Ultimate Package Instructions

Remove stock skid plate and re-use stock hardware as needed in all (A) locations use of 1/4" - 20 Tap Required

#1

Main Skid Plate A :

Ensure Extension Bracket, Rock Slider Brackets are installed and Quarter Guards are cut and in place before skid install (See bracket installation page)

Install Trailing Arm Fore Mount Guards with (1x) 1/4"-20 x 3/4" Counter sunk Bolt in (L.1) locations,

Mark, drill and tap remaining (L.2) locations. Then install with (2x) 1/4"-20 x 3/4" Counter sunk Bolt in (L.2) locations on each guard.

Install main skid plate using: (2x) Stock Bolts (M6 - 1.0x 20mm TF bolts) In Main Skid Center: (A) locations,

Install: (2x) M6-1.0 x 25mm Flange Bolts in Main Skid: (1) locations.

Leave bolts loose for adjustment, disregard remaining locations for later steps.

#2

Rear Skid Plate A :

Align edge with main skid plate, Install: (10x) Stock (M6 - 1.0x 20mm TF bolts) In Rear Skid: (A) locations.

**IF installing X-brace, install in-between skid and chassis frame before bolting in place.*

Leave bolts loose for adjustments, disregard remaining B locations for later steps.

#3

Front Diff. Skid Plate A :

Align edge with Main Skid mark (E) locations in back plate, (Using stock holes as guide)

(See Drilling Instructions Below) Drill and tap (E) locations, loosely install (2x) 1/4"-20 x 1" Self Taping Bolts.

Leave bolts loose for adjustments, disregard remaining D,F,G locations for later steps.

#3

Skid Plate adjustments:

Align edge's with Main Skid and adjust for best fit,
Tighten currently installed (A, I, E) bolt locations.



#4

Main Skid Plate B :

Remove and replace (3x) 1/4"-20 x 3/4" Self Taping Bolts from extension bracket, to keep bracket in place.

Remove and re-install these bolts through skid, one at a time with countersunk washers in (B) locations.

Mark, drill, tap and install (4x) 1/4"-20 x 3/4" Self Taping Bolts for remaining (B) locations.

Mark, drill, tap (4x) holes for remaining (C) locations. Do not install bolts until step #7.

#5

Rear Skid Plate B :

Mark, drill, tap and install (4x) 1/4"-20 x 3/4" Self Taping Bolts for remaining (B) locations. Fasten bolts securely.

#6

Front Diff. Skid Plate B :

Mark, drill, tap and install (4x) 1/4"-20 x 1/2" Self Taping Bolts for remaining (D) locations. Fasten bolts securely.

F and G locations: Use a car jack and/or clamps to firmly bend diff skid up in to place, flush with plate below the tow hook.

Mark F location, Drill 13/64th holes perpendicular to metal plate, use 1/4"-20 Tap and

Install (1x) 1/4"-20 x 3/4" Counter sunk Bolt in (F) location.

Once (F) is installed, Mark G location, Drill 13/64th holes perpendicular to metal plate, use 1/4"-20 Tap and

Install (2x) 1/4"-20 x 1 1/4" Counter sunk Bolts in (G) locations. Fasten bolts securely.

#7

Rock Sliders :

Install rock sliders in-between skid and chassis Frame.

install: (8x) M6- 1.0 x 25mm Flange Bolts In Rock slider bracket: (1) locations loosely.

install: (6x) M6- 1.0 x 45mm Flange Bolts In main skid: (H) locations loosely.

install: (4x) 1/4"-20 x 1 1/2" Self Taping Bolts In main skid: (C) locations loosely.

Adjust for best fit and fasten all bolts securely.

* Drilling Instructions : *

Use a : #N^o7 (13/64th) drill bit,

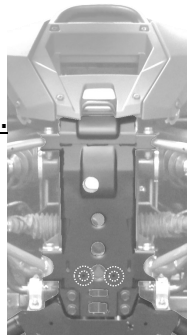
(one size above the commonly available 3/16th bit) use of 1/4" - 20 Tap *(Required)

To drill and thread self tapping bolts in to chassis frame.

Finger Thread All Bolts Prior To Fastening Securely With Power Tools.

We strongly recommend the use of a "Thread Locking Compound" when installing any mounting hardware.

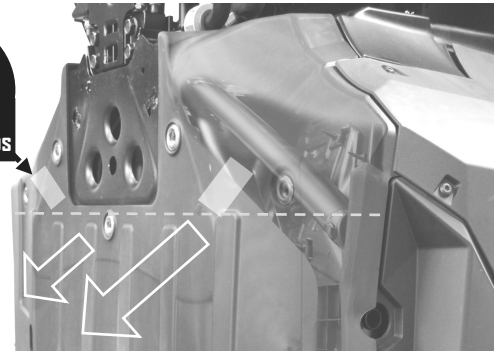
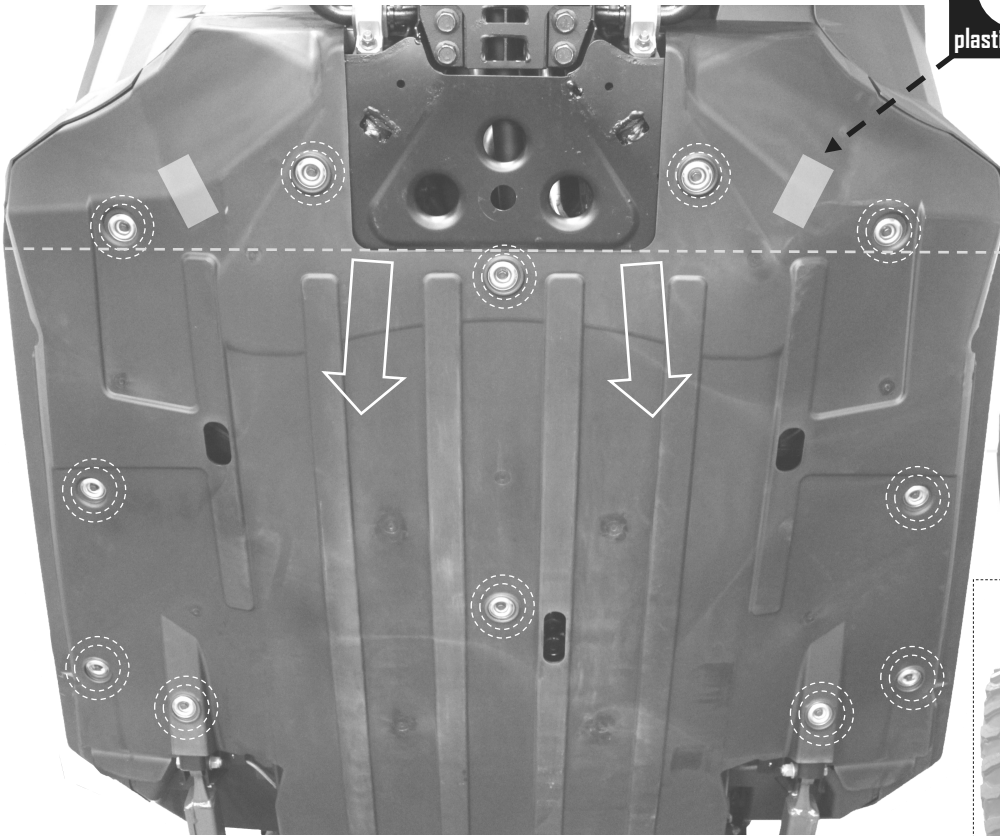
(When installation is complete , ensure all bolts are fastened securely.)



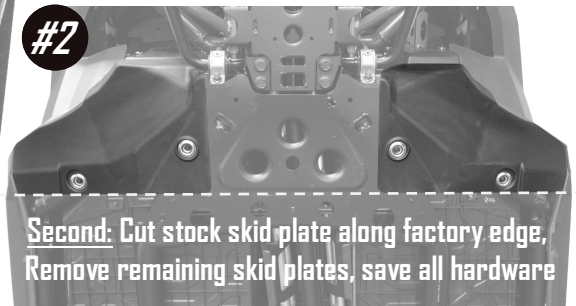
Bracket Installation page

- 1.) Remove stock skid plate, save stock hardware for later steps.
- 2.) Cut quarter guards at factory edge across stock skid plate.
- 3.) Install Extension bracket with (3x) 1/4"-20 x 1" Self Taping Bolts (B)
- 4.) Install Left and Right Rock slider mounting brackets

#1 First:  Un-fasten stock bolts and save for later steps

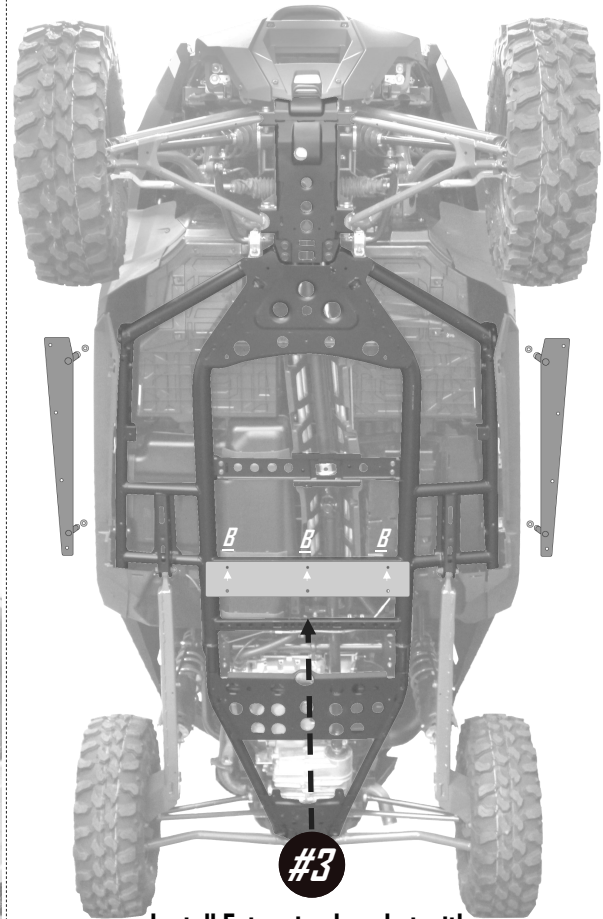


#2



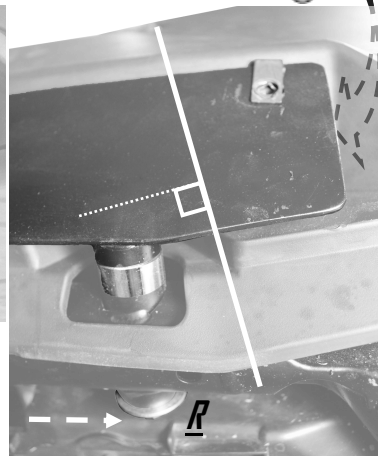
Second: Cut stock skid plate along factory edge. Remove remaining skid plates, save all hardware

Step A Required for skid installation :



#4

Install Rock slider Mounting Bracket through mounting holes in chassis frame, Ensure Left and Right are on the correct side, with larger end forward.



Use spacers to align bracket until mount is flush with stock plastic. Using spacers as necessary to ensure even fitment, install (2x) 3/8" flange bolts and (2x) zinc washers on the inside of the chassis tubing in (R) location's. Fasten bolts securely, use of thread locker is recommended.

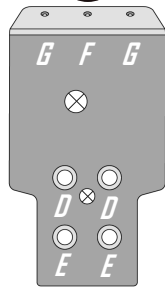
#3
Install Extension bracket with (3x) 1/4"-20 x 3/4" Self Taping Bolts in B locations, with j-clip tips pointing upward towards the vehicle. Install bolts loosely, with out washers.

Polaris RZR Pro XP (2020-2021+) Skid Plate Installation

Read :
Instructions on pg 2
Remove stock skid plate
Save Hardware for re-use.
Cut quarter panels and
Mount brackets before install
(See page 3)
1/4" - 20 Tap Required

Front Diff Skid

#3



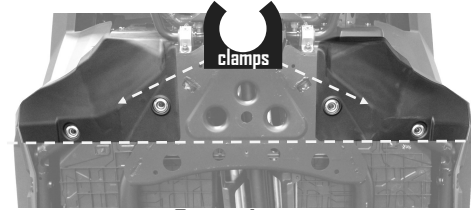
Fasten bolts until flush
 DO NOT over tighten

Rock Slider

#7

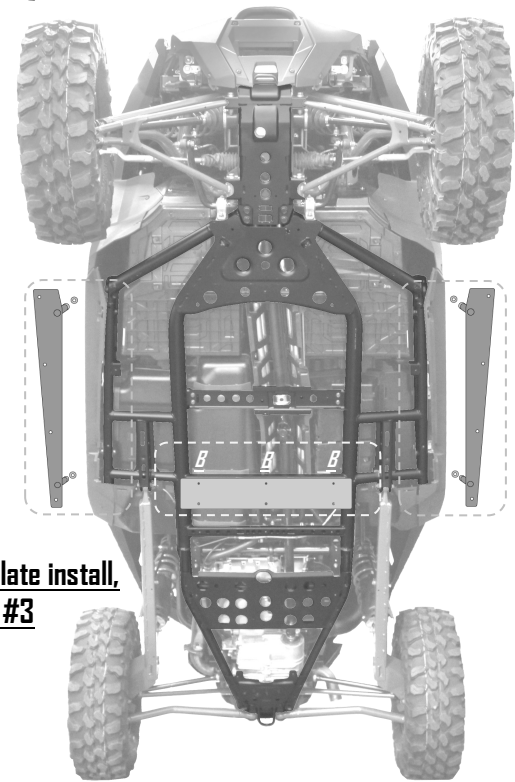
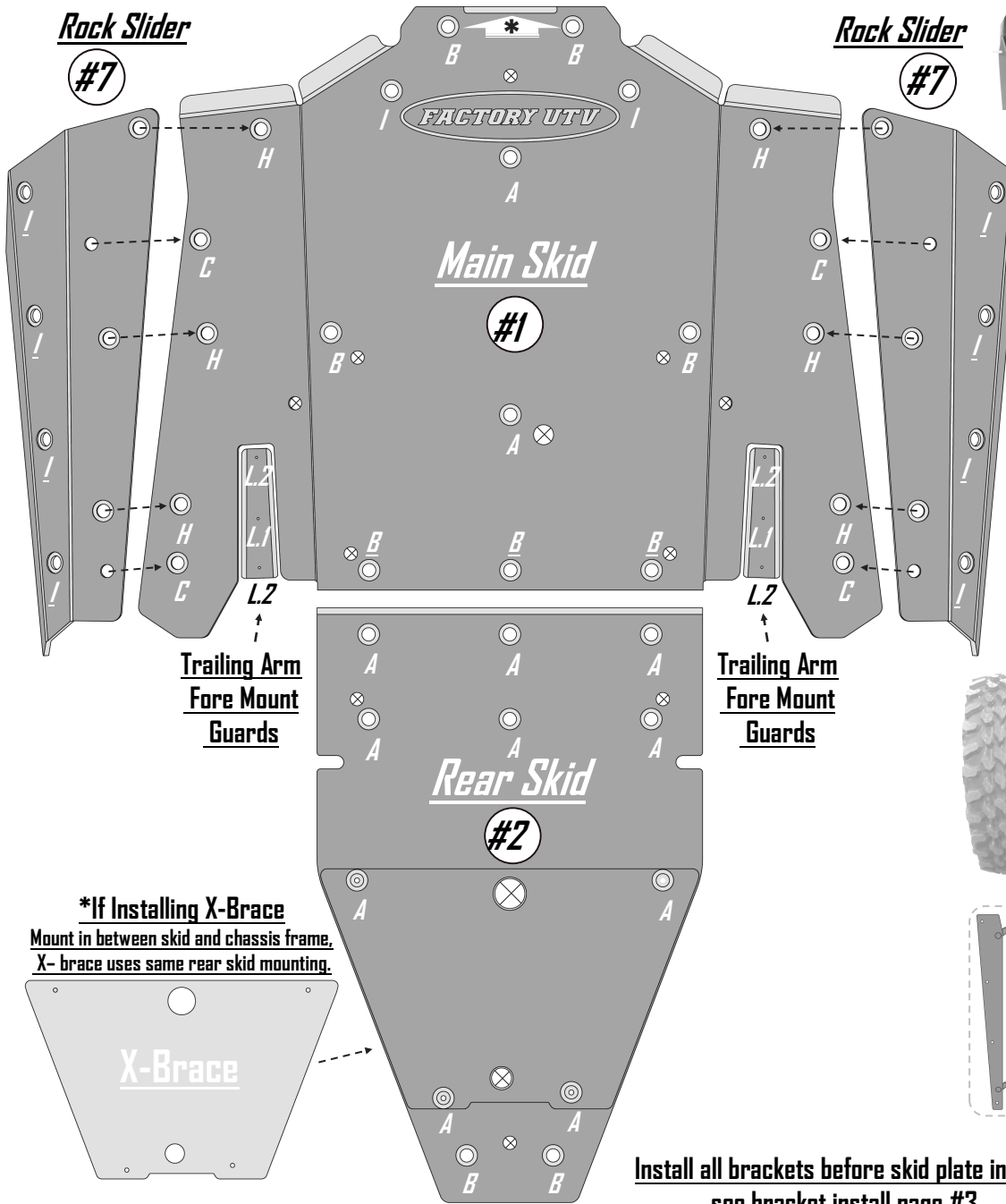
Rock Slider

#7



Cut and re-use
stock skid plate front quarter guards




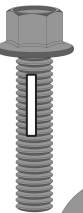
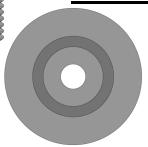
Use the center opening's "factory edge" to mark across stock skid below bottom (2x) bolt cups. Cut as needed. Re-attach with built in plastic clamps before skid installation skid plate utilizes same bolt locations.



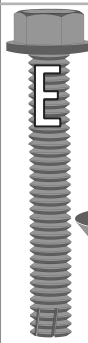
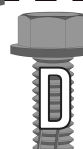



Install all brackets before skid plate install,
see bracket install page #3

⊗ = Drainage Holes
 Do Not Use For Mounting


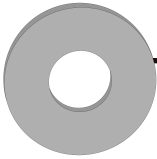
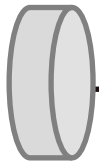
#1 Main Skid Large bag:

-  ----- **7x**
1/4"-20 x 3/4" Self Taping Bolt (#B-D:2)
-  ----- **4x**
1/4"-20 x 1 1/2" Self Taping Bolt (#B-D:6)
-  ----- **6x**
M6- 1.0 x 45mm Flange Bolt (#B-A:10)
-  ----- **2x**
M6- 1.0 x 25mm Flange Bolt (#B-A:6)
-  ----- **19x**
Counter Sunk Washers (#W-1)



#1 Front Diff Skid small bag:

-  ----- **2x**
1/4"-20 x 1" Self Taping Bolt (#B-D:3)
-  ----- **2x**
1/4"-20 x 1/2" Self Taping Bolt (#B-D:1)
-  ----- **1x**
1/4"-20 x 3/4" Counter sunk Bolt (#B-C:9)
-  ----- **2x**
1/4"-20 x 1 1/4" Counter sunk Bolt (#B-C:2)
-  ----- **4x**
Counter Sunk Washers (#W-1)

#6 Rock Slider Bracket small bag:

-  ----- **4x**
3/8 x 1" Flange bolt (#B-H:19)
-  ----- **4x**
Large washers 3/8" (#W-4:2)
-  ----- **8x**
Small spacers (#S-S:3)

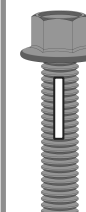

#2 Rear Skid small bag:

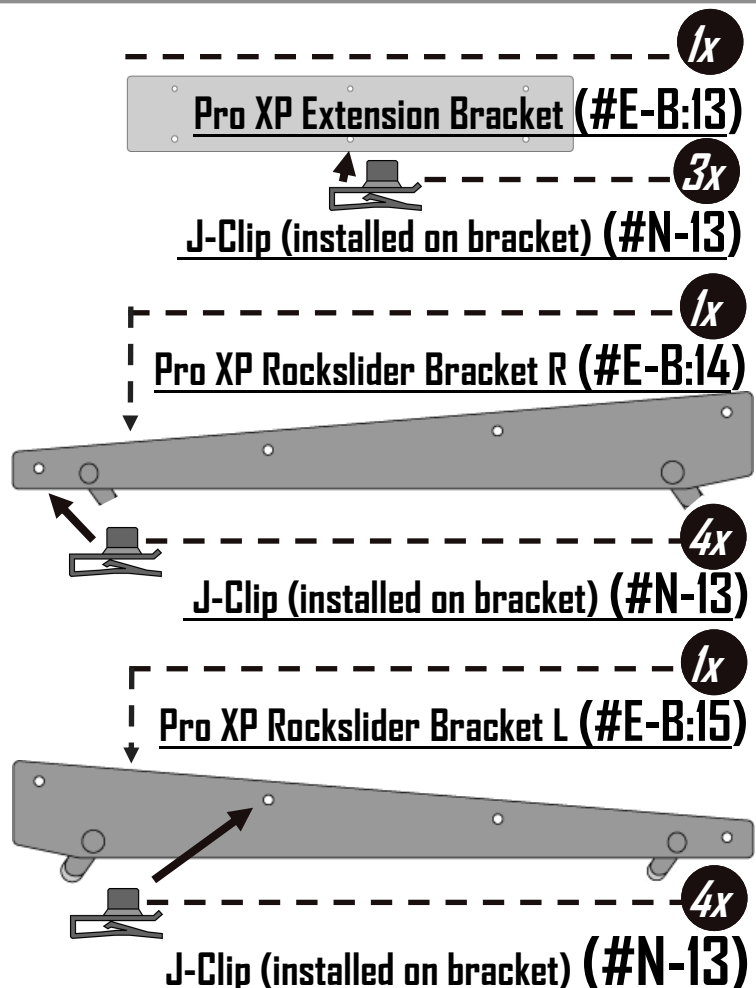
-  ----- **2x**
1/4"-20 x 3/4" Self Taping Bolt (#B-D:2)
-  ----- **2x**
Counter Sunk Washers (#W-1)

#3 Fore arm guard small bag:

-  ----- **6x**
1/4"-20 x 3/4" Counter sunk Bolt (#B-D:2)

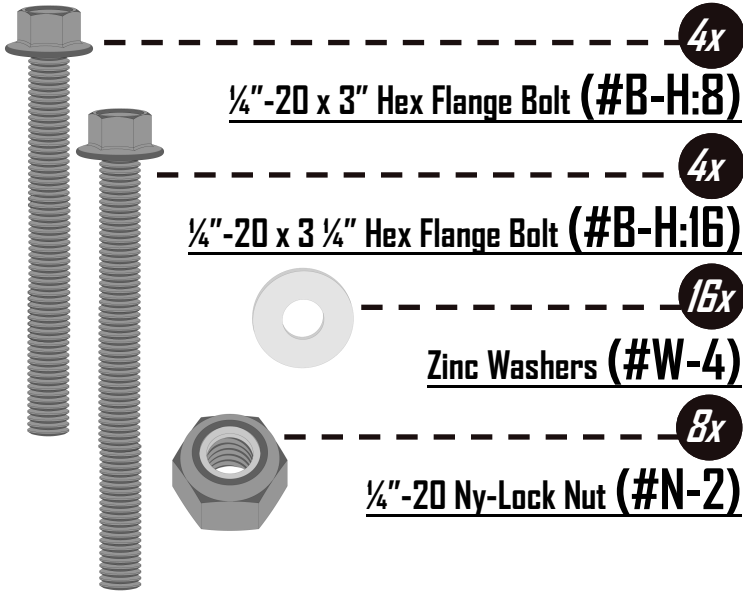
#6 Rock Sliders small bag:

-  ----- **8x**
M6- 1.0 x 25mm Flange Bolt (#B-A:6)
-  ----- **8x**
Counter Sunk Washers (#W-1)

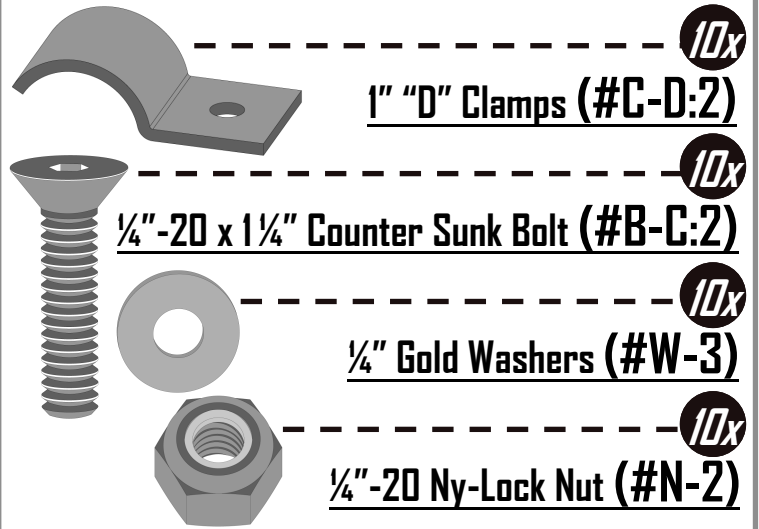


Polaris RZR Pro XP (2020-2021+) Hardware

#6 Trailing arm small bag:

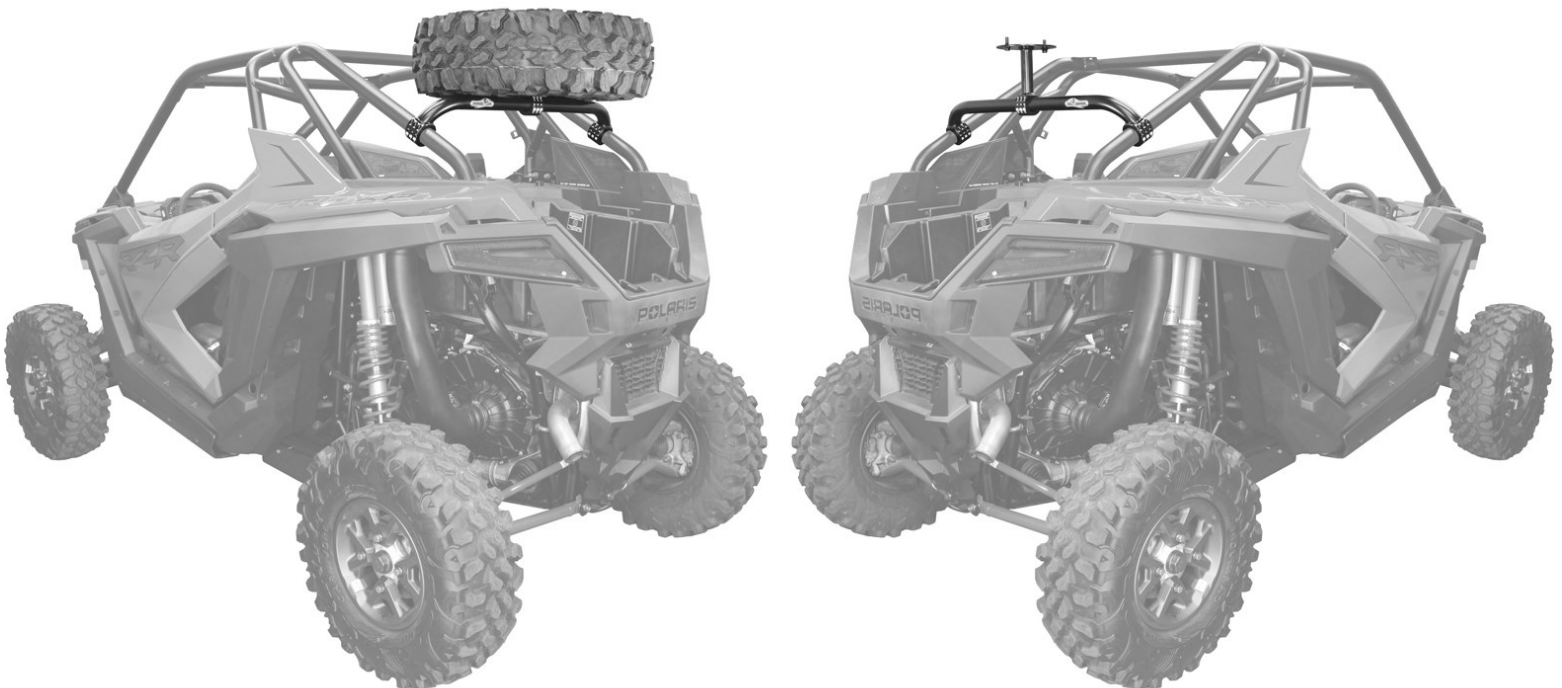


#7 A-Arms large bag:



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Dual Clamp Spare Tire Mount



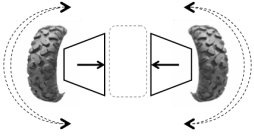
Polaris RZR Pro XP (2020 - 2021+) A-Arm Guard Installation

A-Arm Guards (repeat for each side)

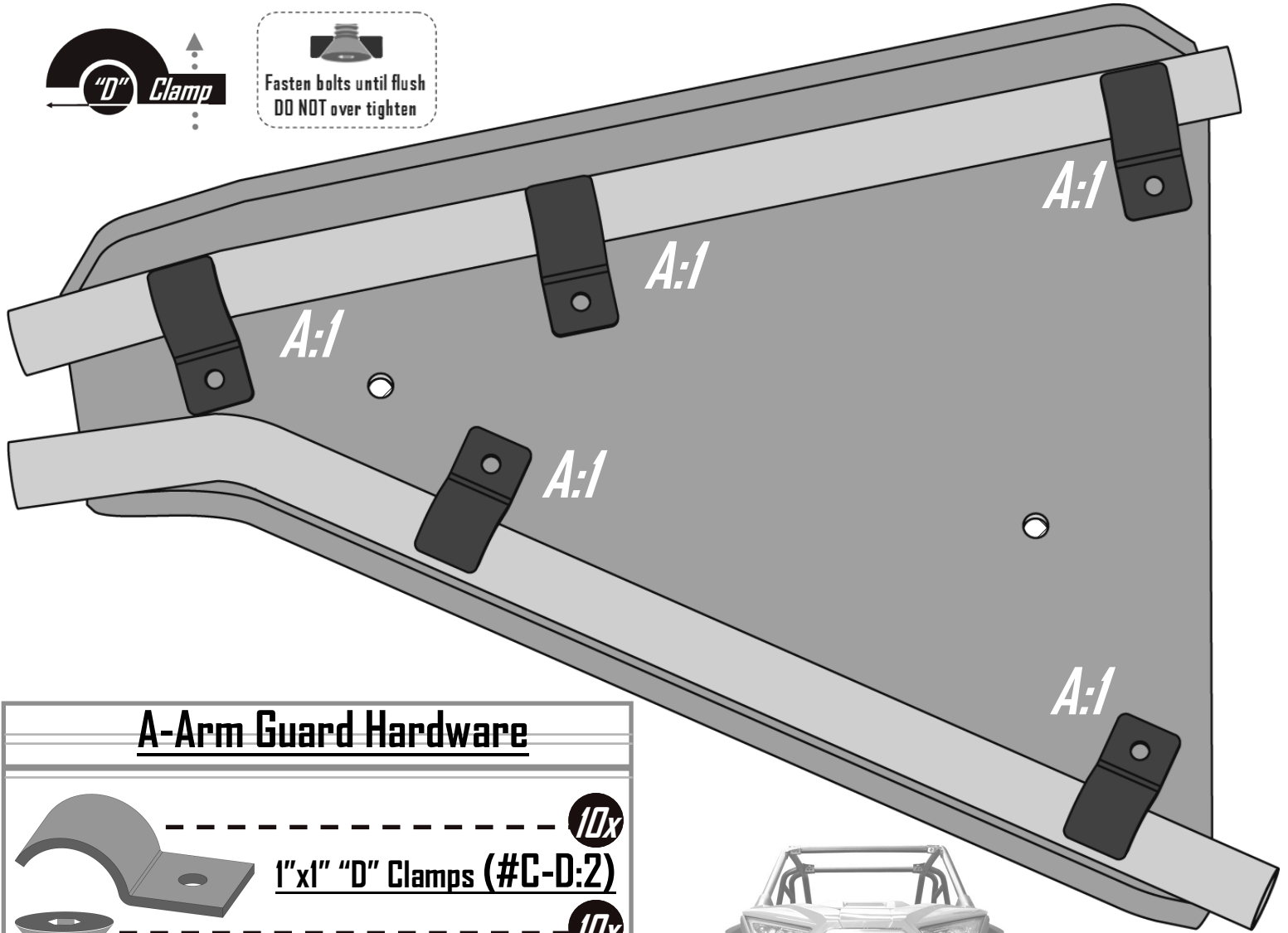
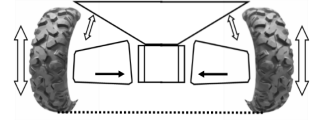
Install with: (5x) 1"x1" "D" Clamps over A-Arm tubing with

(5x) ¼"-20 x 1¼" Counter Sunk Bolts, (5x) ¼" Gold Washers, and (5x) ¼"-20 Ny-Lock Nuts, For Each A-Arm (A:1) location. Hold guard in place, reach over a arm and fasten D clamps over tubing, fasten each bolt loosely to allow for adjustments, once positioned, fasten bolts in pattern until bolt heads are snug and flush, do not pull bolts through plastic.

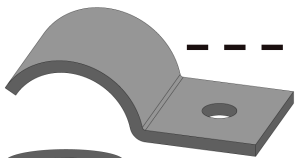
Do not over tighten.



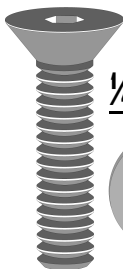
***Ensure** Clearance For Turn Radius & Vertical Travel before first use



A-Arm Guard Hardware



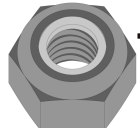
1"x1" "D" Clamps (#C-D:2) **10x**



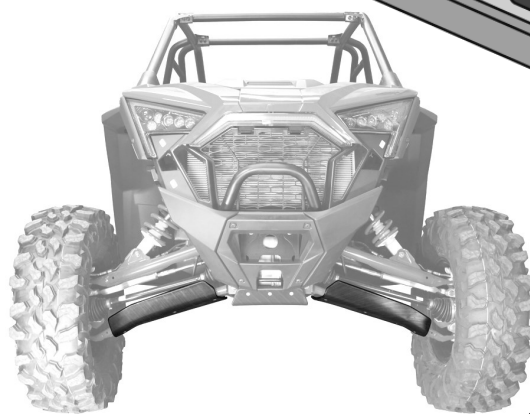
¼"-20 x 1¼" Counter Sunk Bolt (#B-C:2) **10x**



¼" Gold Washers (#W-3) **10x**



¼"-20 Ny-Lock Nut (#N-2) **10x**



⊗ = Drainage Holes
Do Not Use For Mounting

Polaris RZR Pro XP (2020 - 2021+) Trailing Arm Guard Installation

Trailing-Arm Guard Installation

Hold Trailing arm guard in place, use of clamps may help in installation. Install with break cable above bolts.

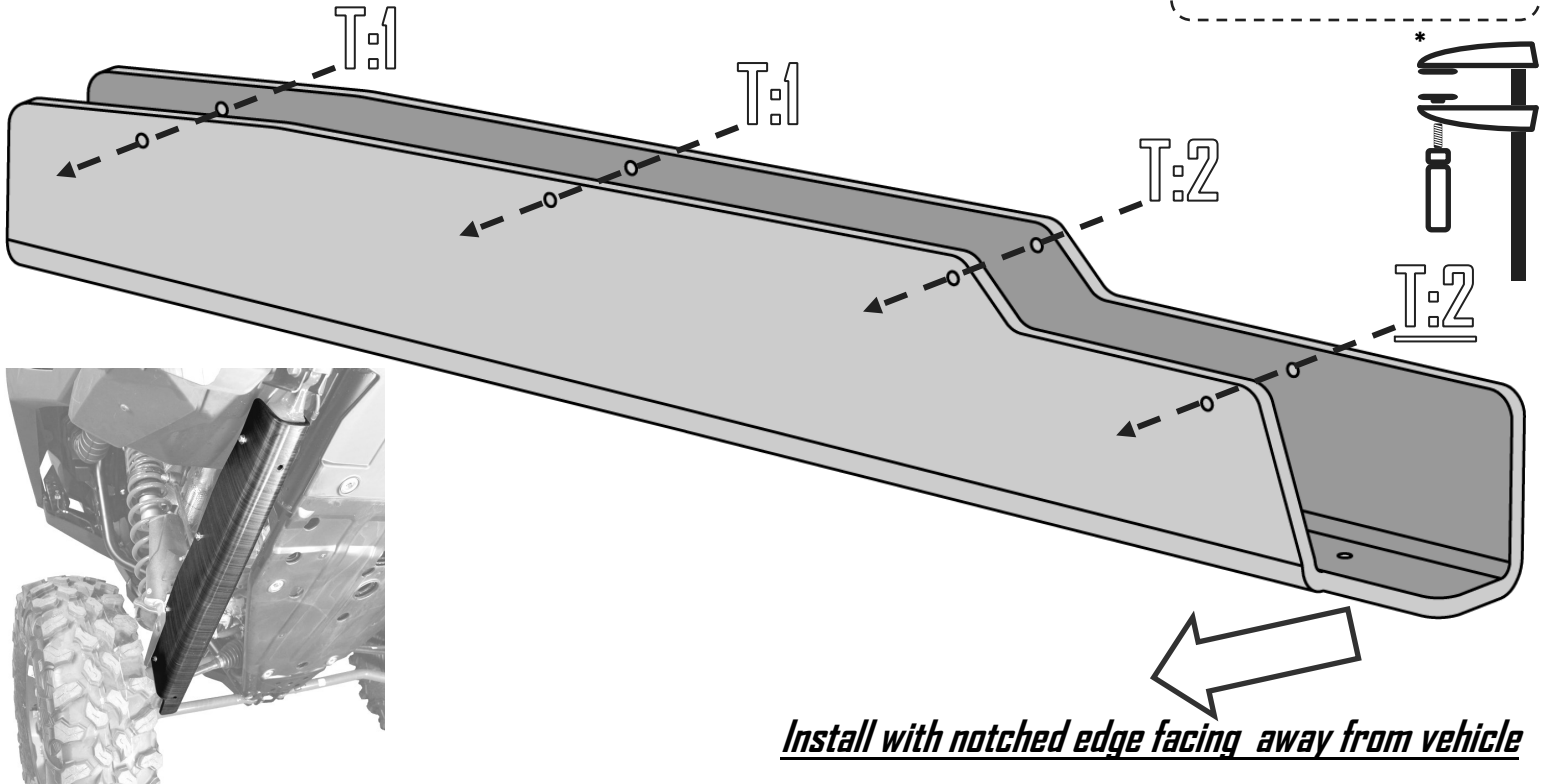
Install: (2x) $\frac{1}{4}$ "-20 x 3" Hex Flange Bolts in T:1 locations. Install: (2x) $\frac{1}{4}$ "-20 x 3 $\frac{1}{4}$ " Hex Flange Bolts in T:2 locations, Remove Rear tire, Using stock hole as a guide, mark and drill a $\frac{9}{32}$ " hole for rear T:2 location On each Trailing arm guard.

Fasten bolts with (8x) Zinc Washers and (4x) Ny-lock nuts in all locations.




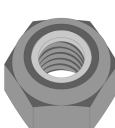
Installation may require the use of clamps, floor jack and firm upwards pressure for fitment.

Repeat steps for remaining trailing arm guard,
Do not install bolts above break cable.

** Trailing arm guard Install Tip:
Use of clamps may help with fitment.
Squeeze top of guard to aid with bolts*



Trailing arm guard hardware

-  ----- **4x**
 $\frac{1}{4}$ "-20 x 3" Hex Flange Bolt (#B-H:8)
-  ----- **4x**
 $\frac{1}{4}$ "-20 x 3 $\frac{1}{4}$ " Hex Flange Bolt (#B-H:16)
-  ----- **16x**
Zinc Washers (#W-4)
-  ----- **8x**
 $\frac{1}{4}$ "-20 Ny-Lock Nut (#N-2)

