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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

Polaris

RZR Pro XP 4 (2020 - 2021+)



Polaris RZR Pro XP 4 (2020 - 2021+) Skid Plate Instructions *(See diagrams page 3)

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

#1

Quarter Guards:

Cut and re-use stock skid plate front Quarter Guards. Use center opening's "factory edge" to mark across stock skid. Cut below bottom (2x) bolt cups. Trim as needed. Re-attach with built in plastic clamps before skid installation. *(See pg. 3) 

#2

Cross Member:

Install with (1x) Stock bolt, with out washer, in empty top center hole on cross member (A) location, fasten to UTV loosely. Install: (2x) "D" Clamps and (2x) M6- 1.0 x 20mm Flange Bolts in (C) locations. Bolt through crossmember, fastening clamp over tube chassis. Tighten (C) Bolts Securely.

#3

Extension Bracket

Install: (3x) 1/4"-20 x 3/4" Self Tapping bolts in (B) locations loosely. Ensure J-clip tips are pointing inward towards UTV.

#4

Trailing Arm Fore Mount Guards:

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

#5

Mid and Main Skid Plate A :

Install Mid Skid Plate using: (7x) Stock Bolts (M6 - 1.0x 20mm TF bolts) *In Mid Skid: (A) locations. Fasten bolts loosely for adjustment*
Install: (8x) M6-1.0 x 20mm Flange Bolts *in Mid Skid: (C) locations. Fastening bolts from rear to front. Disregard B locations until further steps*
Install Main Skid Plate, align with Mid Skid Plate edge, install using: (4x) Stock Bolts (M6 - 1.0x 20mm TF bolts) *In Main Skid: (A) locations.*
Install: (2x) M6-1.0 x 30mm Flange Bolts *in Main Skid: (H) locations.* Install: (4x) M6-1.0 x 25mm Flange Bolts *in Main Skid: (I) locations.*
Leave bolts loose for adjustment, disregard remaining B locations for later steps.

#6

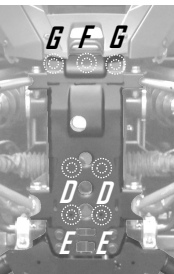
Rear Skid Plate A :

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.

(Front Diff. Skid)



#7

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 & tap (E) locations, loosely install (2x) 1/4"-20 x 1" Self Tapping Bolts.*

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

#8

Skid Plate Adjustments:

Align all skid plate edge's and make adjustments for best fit. Tighten all currently installed bolt locations securely.

#9

Mid and Main Skid Plate B :

Remove and replace (3x) 1/4"-20 x 3/4" Self Tapping Bolts in Mid skid plate (B) locations from extension bracket. Remove and re-install these bolts through skid with counter sunk washers, one at a time to keep bracket in place.

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

Mark, drill, tap and install (6x) 1/4"-20 x 3/4" Self Tapping Bolts for remaining Main Skid Plate (B) locations.

#10

Rear Skid Plate B :

Mark, drill, tap and install (2x) 1/4"-20 x 3/4" Self Tapping Bolts for remaining (B) locations. Fasten all Rear Skid Plate bolts securely.

#11

Front Diff. Skid Plate B (D, G, F) :

Mark, drill, tap and install (2x) 1/4"-20 x 1/2" Self Tapping 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" Countersunk 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" Countersunk Bolts in (G) locations. Fasten bolts securely.

#12

Ensure All Skid Plate Bots Are Fastened 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.

Factory UTV LLC ©2020 — Polaris RZR Pro XP 4 (2020 - 2021+) UHMW Ultimate package Instructions v3.0 pg. 2

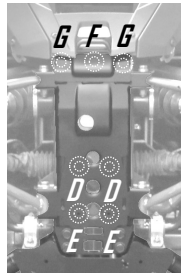


Installation may require the use of Clamps or a Car jack to aid with install.

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

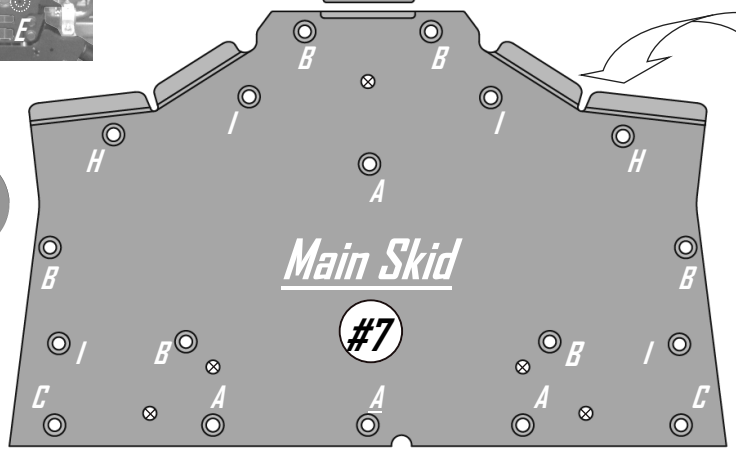
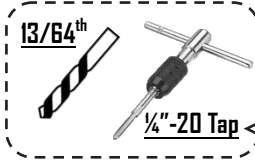
Remove & Save
 stock skid plate & hardware
 Cut quarter panels & mount
 brackets before install.
 Drilling & 1/4"-20 Tap
Required

Fasten bolts Until Flush



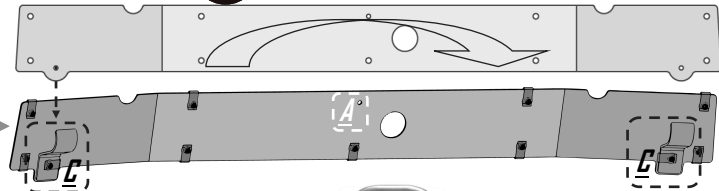
Front Diff Skid
#8

Stock skid plate removal tips
 Use firm downward force to pop
 plastic clamps off chassis tubing.
 Re-use stock bolts for A locations.

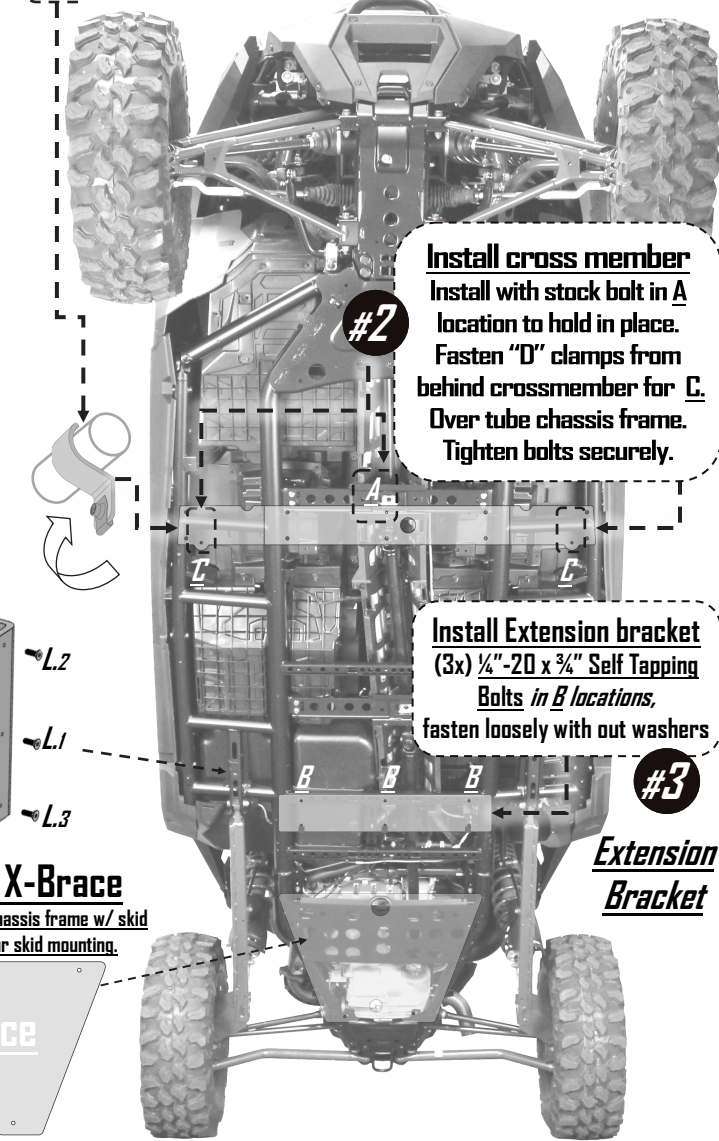
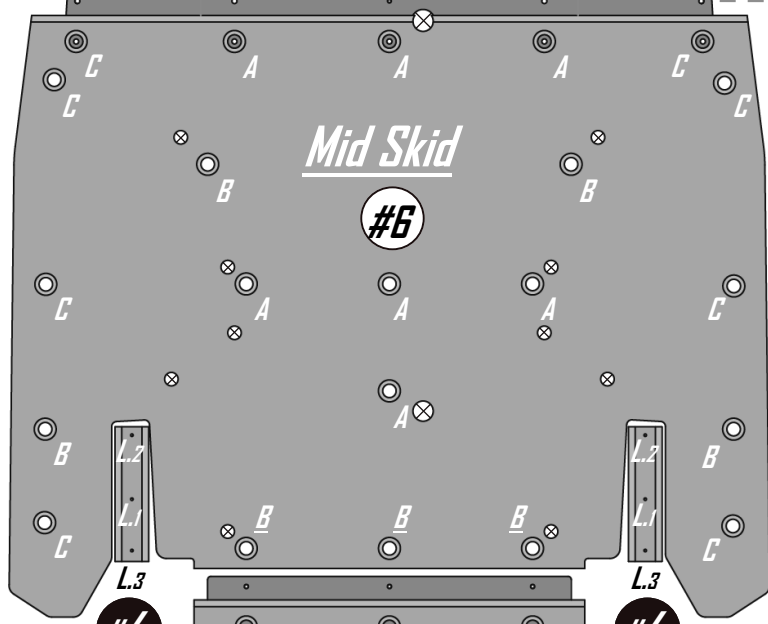


Use the center opening's "factory edge" to mark across stock skid
 cut below bottom (2x) bolt cups. Cut as needed.
 Re-attach with built in plastic clamps before skid installation

#2 Cross Member

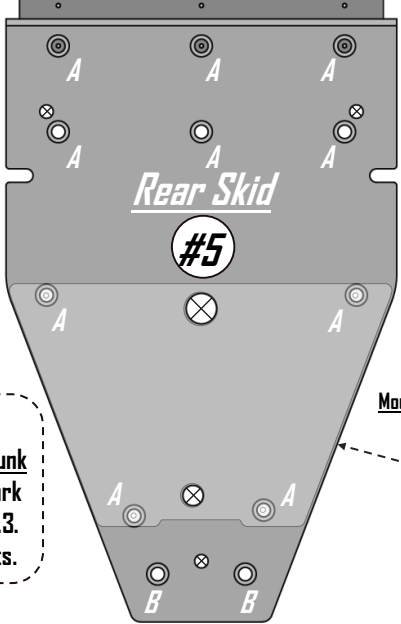
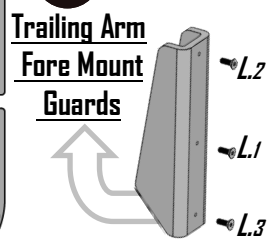
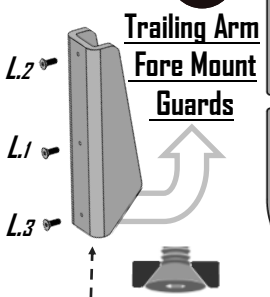


Install cross member
 Install with stock bolt in **A**
 location to hold in place.
 Fasten "D" clamps from
 behind crossmember for **C**.
 Over tube chassis frame.
 Tighten bolts securely.

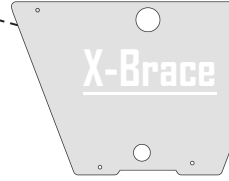


Install Extension bracket
 (3x) 1/4"-20 x 3/4" Self Tapping
 Bolts in **B** locations,
 fasten loosely with out washers

#3
Extension Bracket



***If Installing X-Brace**
 Mount in between skid and chassis frame w/ skid
 X-brace uses same rear skid mounting.



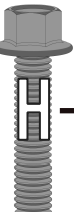




Fore mount guard
 (1x) 1/4"-20 x 3/4" Counter Sunk
 Bolt in (L1) locations. Mark
 Drill & Tap holes for L2, L3.
 Install Remaining (L) bolts.


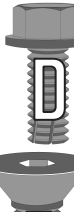



⊗ = Drainage Holes Do Not Use For Mounting

Polaris RZR Pro XP 4 (2020 - 2021+) Skid Plate Hardware




#5 Main Skid Large bag:

-  **6x**
1/4"-20 x 3/4" Self Tapping Bolt (#B-D:2)
-  **2x**
MG- 1.0 x 20mm Flange Bolt (#B-A:5)
-  **4x**
MG- 1.0 x 25mm Flange Bolt (#B-A:6)
-  **2x**
MG- 1.0 x 30mm Flange Bolt (#B-A:7)
-  **11x**
Countersunk Washers (#W-1)

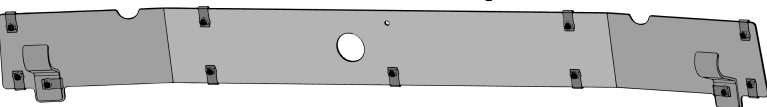


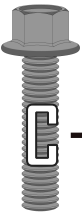
#7 Front Diff Skid small bag:

-  **2x**
1/4"-20 x 1" Self Tapping Bolt (#B-D:3)
-  **2x**
1/4"-20 x 1/2" Self Tapping Bolt (#B-D:1)
-  **1x**
1/4"-20 x 3/4" Countersunk Bolt (#B-C:9)
-  **2x**
1/4"-20 x 1 1/4" Countersunk Bolt (#B-C:2)
-  **4x**
Countersunk Washers (#W-1)



#5 Mid Skid Large bag:

-  **7x**
1/4"-20 x 3/4" Self Tapping Bolt (#B-D:2)
-  **8x**
MG- 1.0 x 20mm Flange Bolt (#B-A:5)
-  **12x**
Countersunk Washers (#W-1)


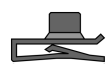
Cross-member assembly (Attached to skid) :

-  **1x**
Pro XP 4 Cross-member (#E-B:14)
-  **11x**
J-Clip (installed) (#N-13)
-  **2x**
1 1/2" x 1 1/4" short "D" Clamps (#C-D:6)
-  **2x**
MG- 1.0 x 20mm Flange Bolt (#B-A:5)


#10 Rear Skid small bag:

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

Extension Bracket assembly (Attached to skid) :

-  **1x**
Pro XP Extension Bracket (#E-B:13)
-  **3x**
J-Clip (installed) (#N-13)

#4 Fore arm guard small bag:

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

Polaris RZR Pro XP 4 (2020-2021+) A-Arm Guard Installation

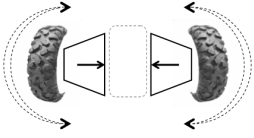
A-Arm Guards (repeat for each side)

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

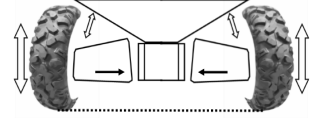
(5x) ¼"-20 x 1¼" Counter Sunk Bolts, (5x) ¼" Gold Washers, and (5x) ¼"-20 Ny-Lock Nuts, For Each A-Arm (A:1) location.

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.

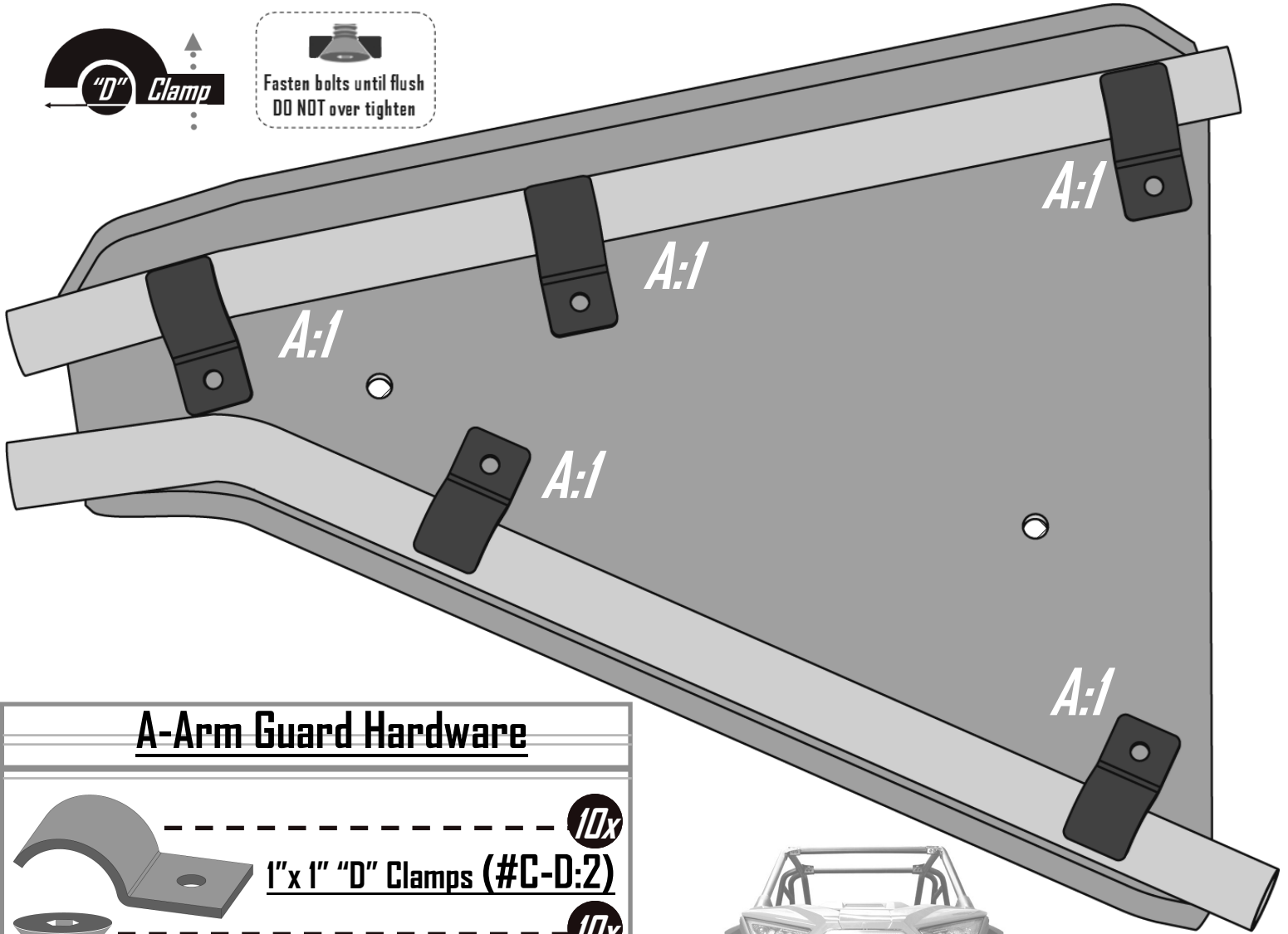
Do not over tighten.



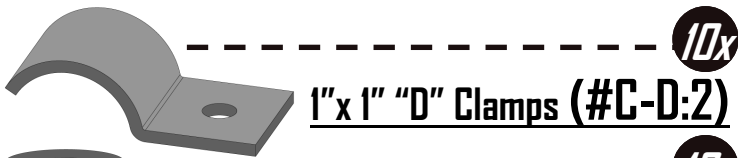
***Ensure** Clearance For Turn Radius & Vertical Travel before first use



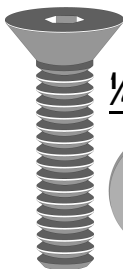
Fasten bolts until flush
DO NOT over tighten



A-Arm Guard Hardware



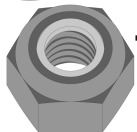
1" x 1" "D" Clamps (#C-D:2) **10x**



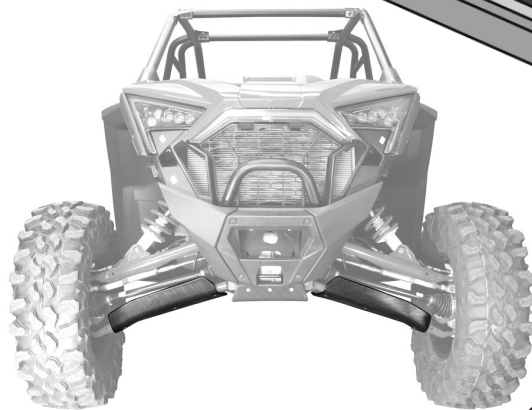
¼"-20 x 1¼" Counter Sunk Bolt (#B-C:2) **10x**



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 4 (2020 - 2020+) 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.

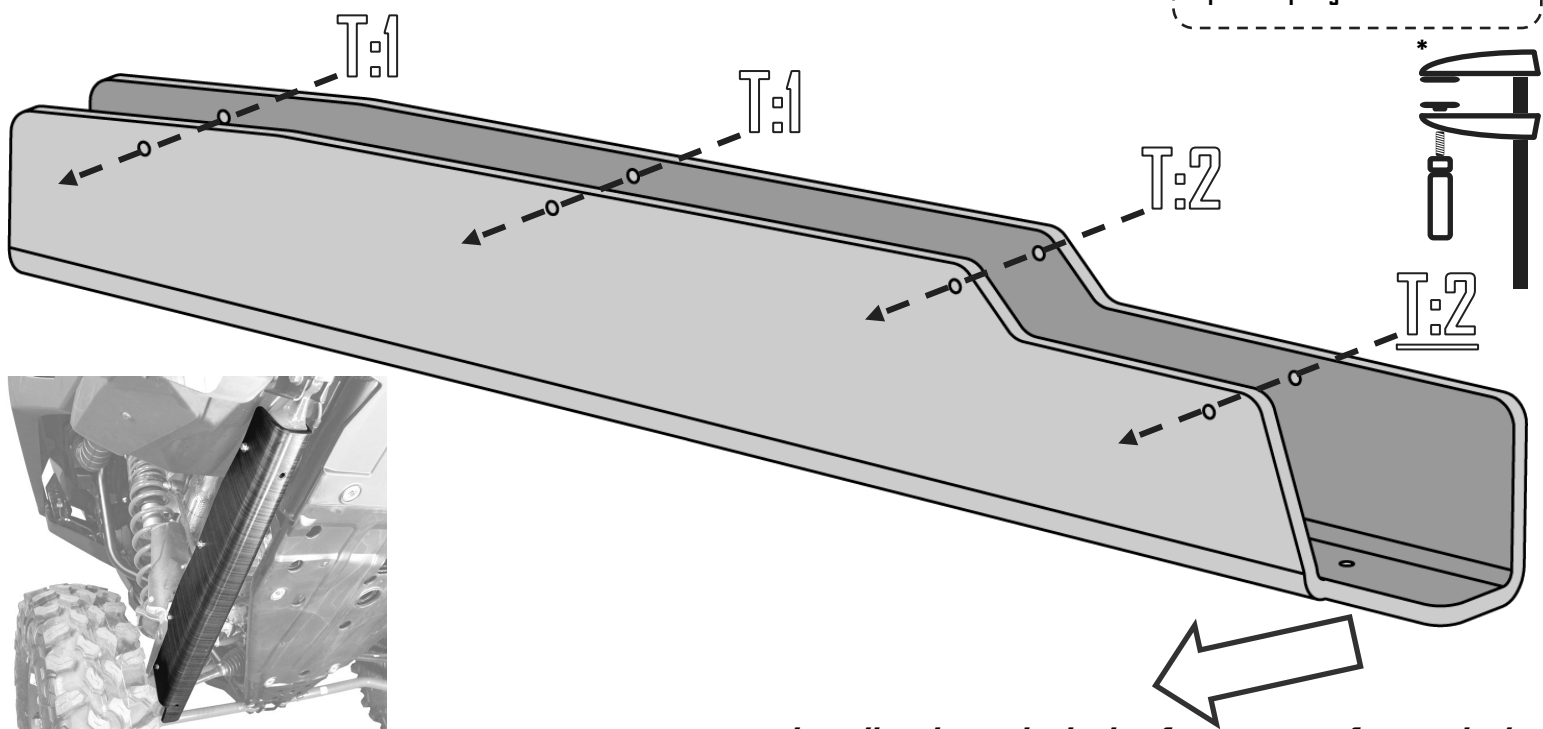
Install: (2x) $\frac{1}{4}$ "-20 x 3" Hex Flange Bolts in T:1 locations. Install: (2x) $\frac{1}{4}$ "-20 x 3 $\frac{1}{4}$ " Hex Flange Bolts in T:2 locations, Remove Rear tire, Using stock hole as a guide, mark and drill a $\frac{9}{32}$ " hole for rear T:2 location On each Trailing arm guard.

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.

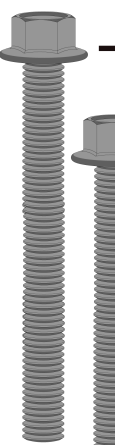
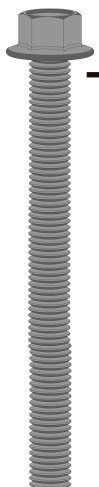


Repeat steps for remaining trailing arm guard,
Do not install bolts above break cable.

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



Install with notched edge facing away from vehicle

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)

