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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

Yamaha YXZ 1000 R (2016+)



Yamaha YXZ 1000 R (2016+) Installation Guide

You will have to Remove the center and rear stock skid plate, leaving stock nose skid and side skids intact.

#0

Chassis Frame Mounts:

Remove all (28x) total stock skid bolts. Remove stock center & rear skid plates completely, leaving the stock front nose & side skids intact.
Install: front & rear Extension Plates (see pg #3) each using: (3x) M6-1.0 x 60mm Flange Bolts without Washers in all (G) locations,
Ensuring J-clip tabs are pointing in and towards the rear of vehicle. Install: 2x UHMW plastic spacers.
Stack and mount on inside lip of chassis frame. (See Pg. #3) Using: (3x) M6-1.0 x 35mm Flange Bolts without Washers In (C) locations

#1

Rear Skid Plate:

Install: (3x) M6-1.0 x 20mm Flange Bolts, align holes with Extension plate *in front rear skid: (A) locations.*
Install: (2x) M6-1.0 x 20mm Flange Bolts *in bottom rear skid: (A) Locations. Finger tighten bolts to allow for adjustments*
*See drilling instructions Below. Mark, *drill and install: (2x) ¼"-20 x ¾" Self Tapping Bolts in (H) Locations.

#2

Side Skid plates:

Install side skid plates. Note nylon spacer placement, slip appropriate nylon spacer on bolt and washer before installation and fasten securely.
(The nylon spacers make up the difference in-between the skid plate and chassis frame, and help avoid unnecessary bolt / material strain.)

Use: (2x) M6-1.0 x 40mm Flange Bolts with (S) Small spacers *in the front two side skid: (E) locations.*
Use: (4x) M6-1.0 x 40mm Flange Bolts with (M) Medium spacers *in the remaining four side skid: (E) locations.*
Use: (2x) M6-1.0 x 45mm Flange Bolts with (L) Large spacers *in the front two side skid: (F) locations.*
Use: (2x) M6-1.0 x 45mm Flange Bolts with (XL) Extra Large spacers *in the rear two side skid: (F) locations.*



#3

Center Skid Plate:

Install center skid before front nose skid.

Align edges and install: (3x) M6-1.0 x 20mm Flange Bolts *in center skid: (A) locations.*

In all (C) and (G) locations, back out and re-install bolts with counter sunk washers, one at a time. Finger tighten bolts to allow for adjustments.

#4

Front Nose Skid Plate :

Install: (2x) M6-1.0 x 20mm Flange Bolts *in front nose skid: (A) locations.* May need use of a car jack to hold skid in place
Align with center skid, In (G) locations, back out and re-install bolts with counter sunk washers, one at a time. Finger tighten bolts to allow for adjustments.

Install: (4x) M6-1.0 x 30mm Flange Bolts with (S) Small Nylon spacers and counter sunk washers *in front nose skid: (B) locations.*

*(See Drilling Instructions Below) Mark, *drill and install: (2x) ¼"-20 x ¾" Self Tapping Bolts *in front nose skid: (H) locations.*

Ensure All Bolts Are Fastened Securely, & All Moving Parts Have Adequate Travel Or Clearance.

D:

Front A-Arms :

In (D:2) locations, *drill through factory holes in sub frame to accommodate (¼") bolts.

Install: (2x) ¼"-20 x 2 ¼" Counter Sunk Bolts, with Zinc Washers, and ¼"-20 Nylock nuts *in each front a-arm: (D:2) location.*

Install: (3x) 1" x 1 ¼" "D" Clamps with ¼"-20 x 1 ¼" Counter Sunk Bolts and ¼" Gold Washers *in each front a-arm: (D:1) location.*



b:

Rear A-Arms :

In (b:2) locations, *drill through factory holes in sub frame to accommodate (¼") bolts.

Install: (2x) ¼"-20 x 2 ¼" Counter Sunk Bolts, with Zinc Washers, and ¼"-20 Nylock nuts *in each rear a-arm: (b:2) location.*

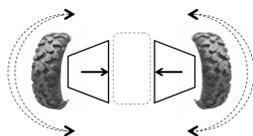
Install: (1x) 1" x 1" "b" Box Clamp with ¼"-20 x 2 ¼" Counter Sunk Bolt and ¼" Gold Washer *in each rear a-arm: (b:1) location.*

Once in place, In each: (b:3) location, mark and *drill through rear a-arm frame to accommodate (¼") bolts.

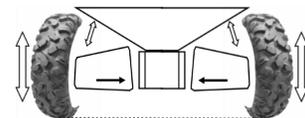
Install: (2x) ¼"-20 x 3 ¼" Counter Sunk Bolts, with Zinc Washers, and ¼"-20 Nylock nuts *in each rear a-arm: (b:3) location.*



Fasten counter sunk bolts until bolt head is flush with A-arm guard. Do not over tighten



***Ensure Clearance For Turn Radius & Vertical Travel
Before Fastening ALL Bolts Securely***



* Drilling Instructions : *

Use a : #Nø7 (13/64th) drill bit,

(one size above the commonly available 3/16th bit) Recommended ¼"- 20 Tap *(Optional)

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

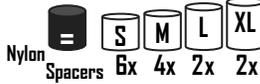
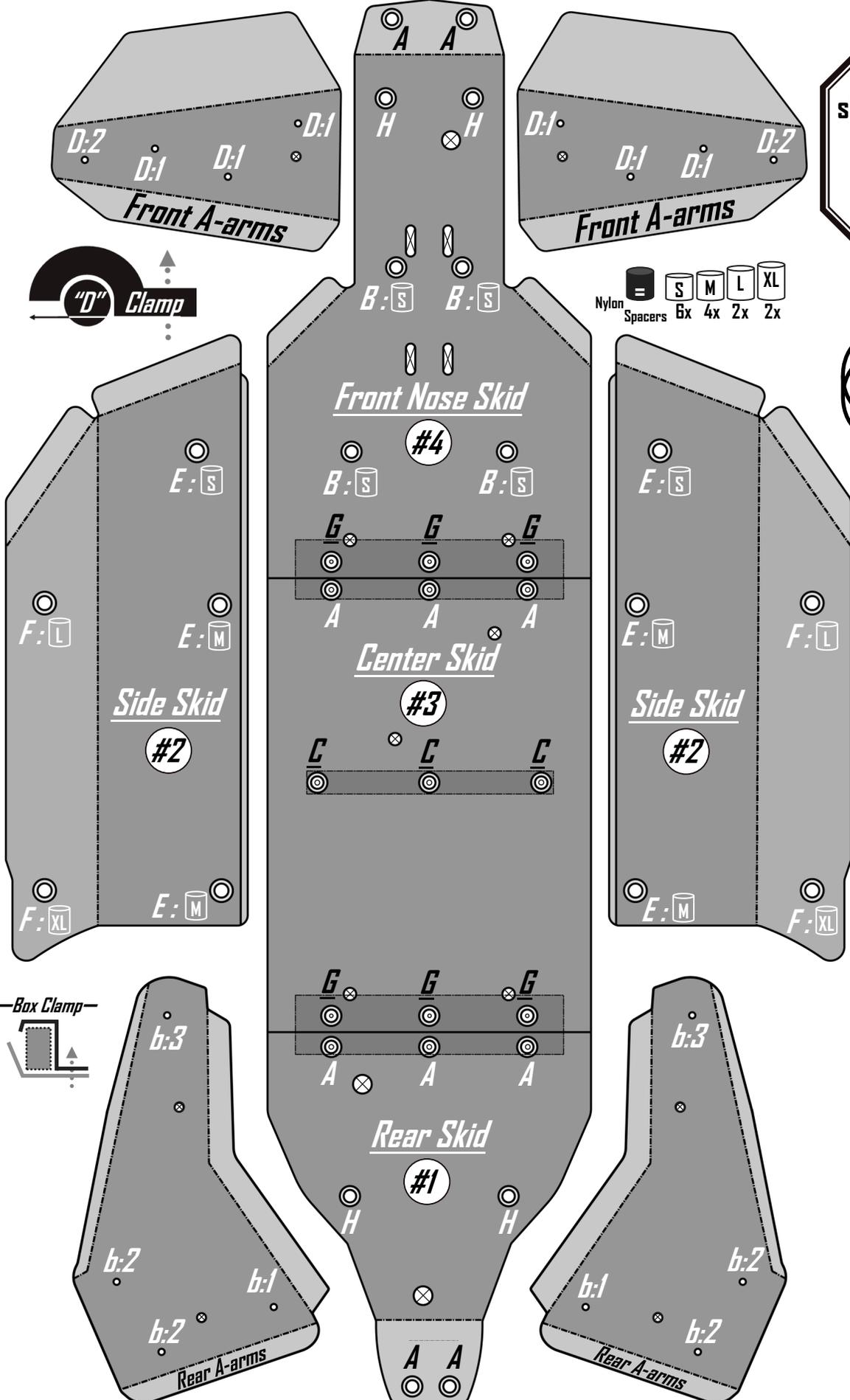
Finger Thread All Bolts Prior To Fastening Securely With Power Tools.

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

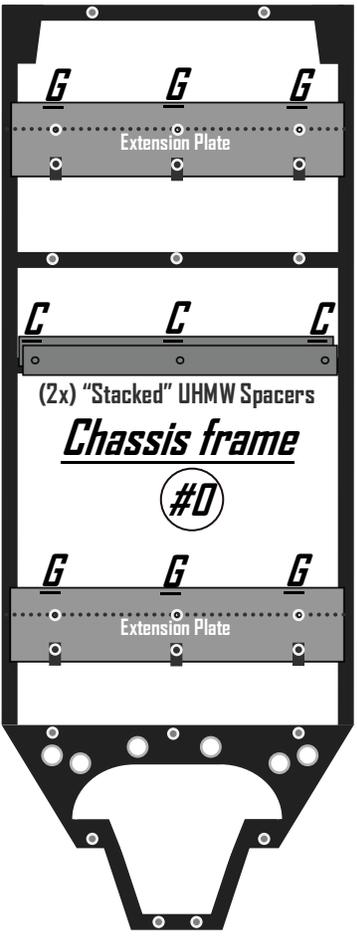
(When installation is complete , ensure all bolts are fastened securely.)

Yamaha YXZ 1000 R (2016-19+) instructions

Read :
 Instructions on pg.#2
 skid plate will mount on top
 of remaining stock skids
 and will form to vehicle
 Place correct Nylon
 spacers on bolts



#0
 Remove:
 Stock Center & Rear Skid Plates
 Mount Extension Plates and
 (2x) UHMW spacers as shown below
 with J-clips pointing towards the rear



⊗ = Drainage Holes
 Do Not Use For Mounting

Yamaha YXZ 1000r (2016+) packing list

#1 Front Diff Plate: Large bag

-  2x
1/4"-20 x 3/4" Self Taping Bolt (#B-D:2)
-  2x
M6- 1.0 x 20mm Flange Bolt (#B-A:5)
-  4x
M6- 1.0 x 30mm Flange Bolt (#B-A:7)
-  3x
M6- 1.0 x 60mm Flange Bolt (#B-A:13)
-  11x
Counter sunk washers (#W-1)
-  4x
3/8" Nylon spacer (#S-R:3)

#2 Mid skid plate: Small bag

-  3x
M6- 1.0 x 20mm Flange Bolt (#B-A:5)
-  3x
M6- 1.0 x 35mm Flange Bolt (#B-A:8)
-  3x
M6- 1.0 x 60mm Flange Bolt (#B-A:13)
-  9x
Counter sunk washers (#W-1)

#3 Rear skid plate: Small bag

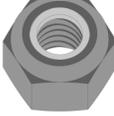
-  5x
M6- 1.0 x 20mm Flange Bolt (#B-A:5)
-  2x
1/4"-20 x 3/4" Self Taping Bolt (#B-D:2)
-  7x
Counter sunk washers (#W-1)

#4 Side skid: Large bag

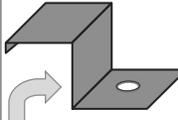
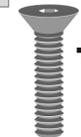
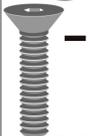
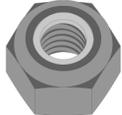
-  4x
M6- 1.0 x 45mm Flange Bolt (#B-A:10)
-  6x
M6- 1.0 x 40mm Flange Bolt (#B-A:9)
-  10x
Counter sunk washers (#W-1)
-  2x
3/8" Nylon spacer (#S-R:3)
-  4x
3/4" Nylon spacer (#S-R:4)
-  2x
1" Nylon spacer (#S-R:5)
-  2x
1 1/8" Nylon spacer (#S-R:6)
-  1x
1/2 U.M.H.W Spacer (#S-C:1)
-  1x
3/8 U.M.H.W Spacer (#S-C:2)
-  2x
YXZ Extension Bracket (#E-B:4)
-  6x
(Installed on brackets) J-Clip (#N-13)

Yamaha YXZ 1000r (2016+) A-Arm Guard packing list

#1 Front A-Arm: Large bag

-  **6x**
1" x 1 1/4" "D" Clamps (#C-D:3)
-  **6x**
1/4"-20 x 1 1/4" Counter Sunk Bolts (#B-C:2)
-  **6x**
1/4" Gold Washers (#W-3.0)
-  **2x**
1/4"-20 x 2 1/4" Counter Sunk Bolts (#B-C:5)
-  **2x**
Zinc Washers (#W-4)
-  **6x**
1/4"-20 Ny-Lock Nut (#N-2)

#2 Rear A-arms: Large bag

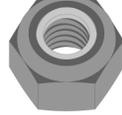
-  **2x**
1 1/2" x 1 1/4" 1 7/8" "Box" Clamps (#C-B:3)
-  **2x**
1/4"-20 x 1 1/4" Counter Sunk Bolts (#B-C:2)
-  **4x**
1/4"-20 x 2 3/4" Counter Sunk Bolts (#B-C:7)
-  **2x**
1/4"-20 x 3 1/4" Counter Sunk Bolts (#B-C:8)
-  **6x**
1/4" Gold Washers (#W-3.0)
-  **6x**
1/4"-20 Ny-Lock Nut (#N-2)

Cognito Long Travel Guards :

★ Long Travel front A-Arms:

-  **8x**
1" x 1 1/4" "D" Clamps (#C-D:3)
-  **8x**
1/4"-20 x 1 1/4" Counter Sunk Bolts (#B-C:2)
-  **8x**
1/4" Gold Washers (#W-3.0)
-  **8x**
1/4"-20 Ny-Lock Nut (#N-2)

★ Long Travel Rear A-Arms:

-  **8x**
1/4"-20 x 1" Counter Sunk Bolts (#B-C:1)
-  **8x**
1/4" Gold Washers (#W-3.0)
-  **8x**
1/4"-20 Ny-Lock Nut (#N-2)

Yamaha YXZ 1000r (2016+)



2019+

Front Intrusion Bar



2016-2018

Dual Clamp Spare Tire Mount



Harness Bar