

# STRAIGHTLINE PERFORMANCE

## Polaris AXYS HNG Bumper (Instructions and BOM)

### Bumper installation instructions

1. **NOTE: You will have 2 extra M6x1.0x20mm bolts, 4 extra 6mm washers & 2 Extra 6mm Locking nuts in the kit when completely installed.**
2. Remove the stock bumper by unbolting all the bolts from the inside of tunnel and remove the entire stock bumper. Remove stock reflector above bumper on rear tunnel
  - a. The HNG bumper comes complete with all necessary hardware; **Don't use stock bolts and nuts.**
  - b. **Important!! Do Not install nuts inside tunnel. Button head bolts with washer are to be installed from the inside and nuts are to be visible /facing outwards. Failure to do so may cause damage to track.**
3. Install the HNG plugs as shown below.
  - a. Install the “main” alignment bolt at as shown below first. Install all bolts from the inside out (nuts are on the outside of tunnel) The “alignment bolt will not use a washer; do not use a washer on the inside of the tunnel.
  - b. **(Important Step) After installing the main alignment bolt, Push Side plate all the way forward and down, then mark and drill second to front hole,**
  - c. Use ¼” Drill bit to drill out the remaining holes using bolt and washer combination as shown in the final picture.
  - d. Finger tighten bolts until all the holes are completely filled.

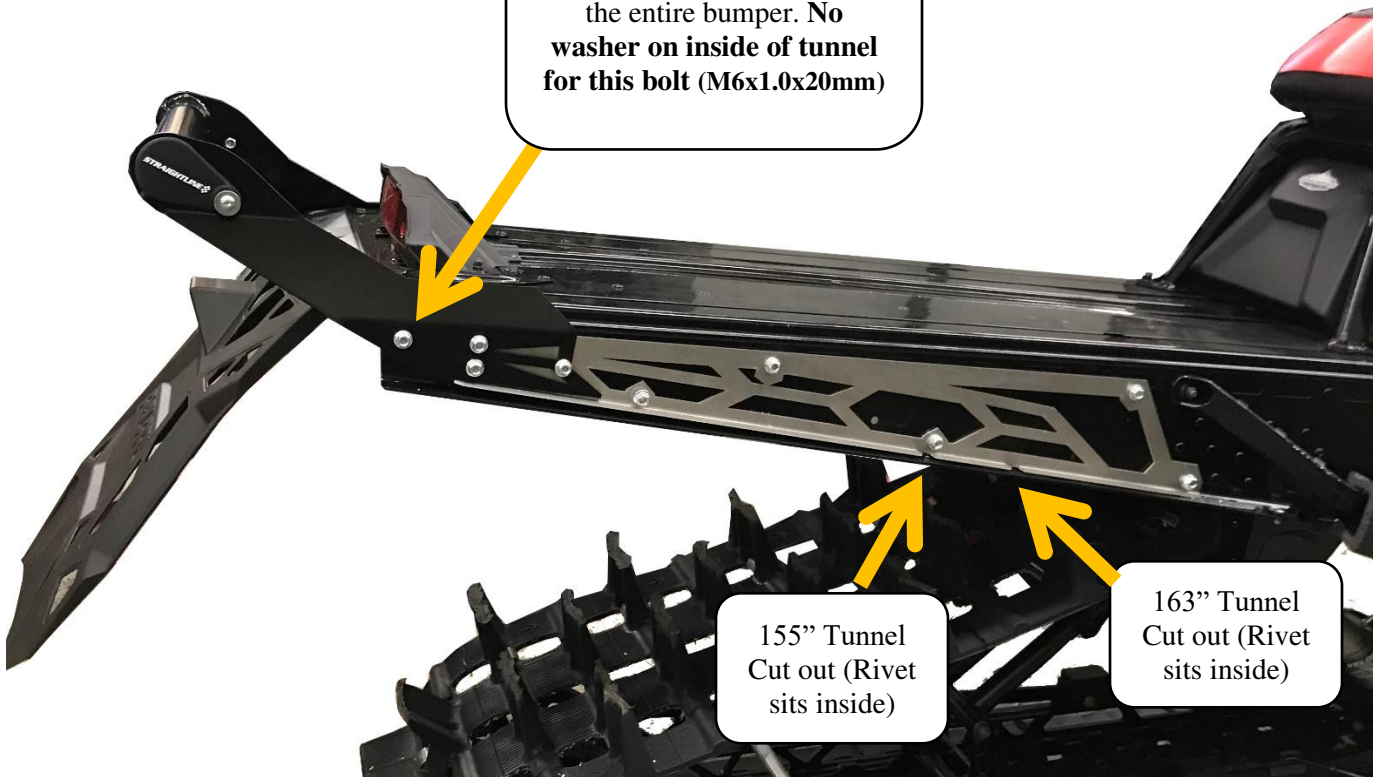
Drill/ Remove 3/16” Pop rivet  
before installation (only rivet  
with hollow center)





Install crush limiter into the center of the bumper plug. Then install a M6x1.0x25 bolt with Washer then secure with M6 Nylock nut inside to install the plug.

**Use a washer on the outside only, no washer on the inside.**



**Install this bolt first.** This is the main alignment bolt for the entire bumper. **No washer on inside of tunnel for this bolt (M6x1.0x20mm)**

155" Tunnel Cut out (Rivet sits inside)

163" Tunnel Cut out (Rivet sits inside)

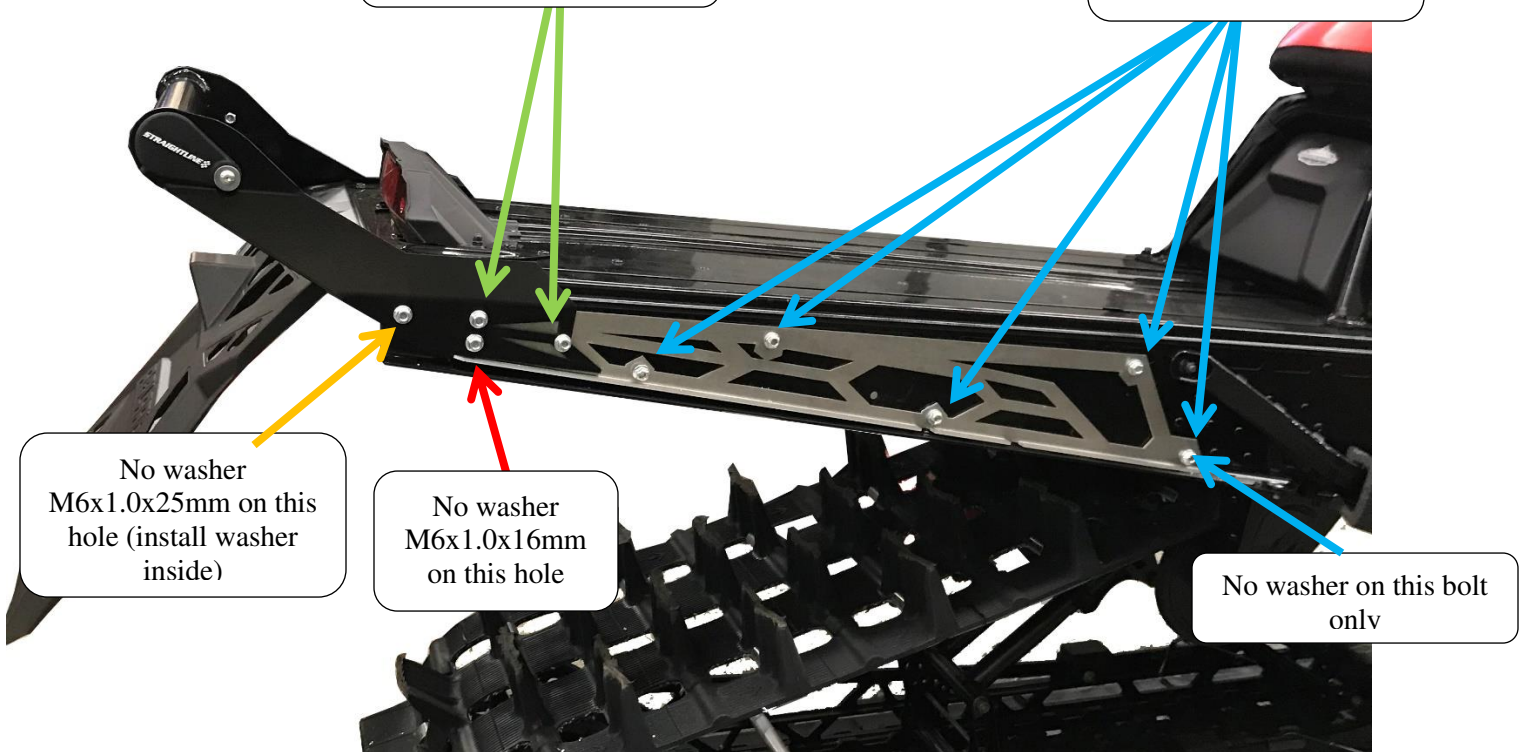
**Push bumper plate forward and down.**

Mark Second to front hole (Make sure you are not going to drill stock rivet) drill pilot hole using 1/8" or similar drill bit then drill with 1/4" or 6mm drill bit



Use the M6x1.0x20mm on these holes

Use the M6x1.0x16mm on these holes (install washer on inside)



No washer M6x1.0x25mm on this hole (install washer inside)

No washer M6x1.0x16mm on this hole

No washer on this bolt only

**Use 1/4" or 6 mm drill bit to continue drilling hole locations using bumper plate as a template (install bolts finger tight as you work your way around for alignment purposes)**



# Complete installation by Tightening all bolts

**BOM Check One:** 182-114, 182-115

Quantity	Item #	Descriptions	In Box
1	HNGSD146SPR	Right Tunnel Plate	
1	HNGSD146SPL	Left Tunnel Plate	
1	HNGPMR/HNGPML /HNG-Tube	Complete Rear Bumper Mounting and Handle	
1	HNG-Bolt Kit	Complete Hardware Assembly	
1	HNG-Plug-R	Right Rear Bumper Plug	
1	HNG-Plug-L	Left Rear Bumper Plug	
1	HNG-Bag	Complete HNG Bag	
2	240877	Bumper Plug Crush Limiter	
1		Straightline Sticker	

**Checked and Packaged By**

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