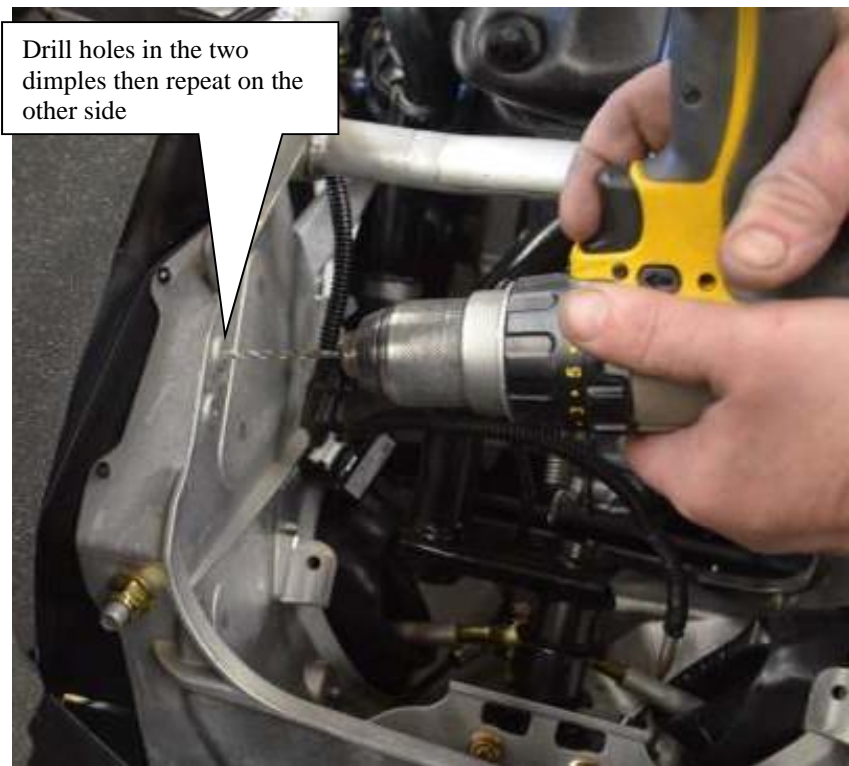




Straightline Ski-Doo 850 G4 & G5 Rugged Series Bumper 183-226 (Instructions and BOM)

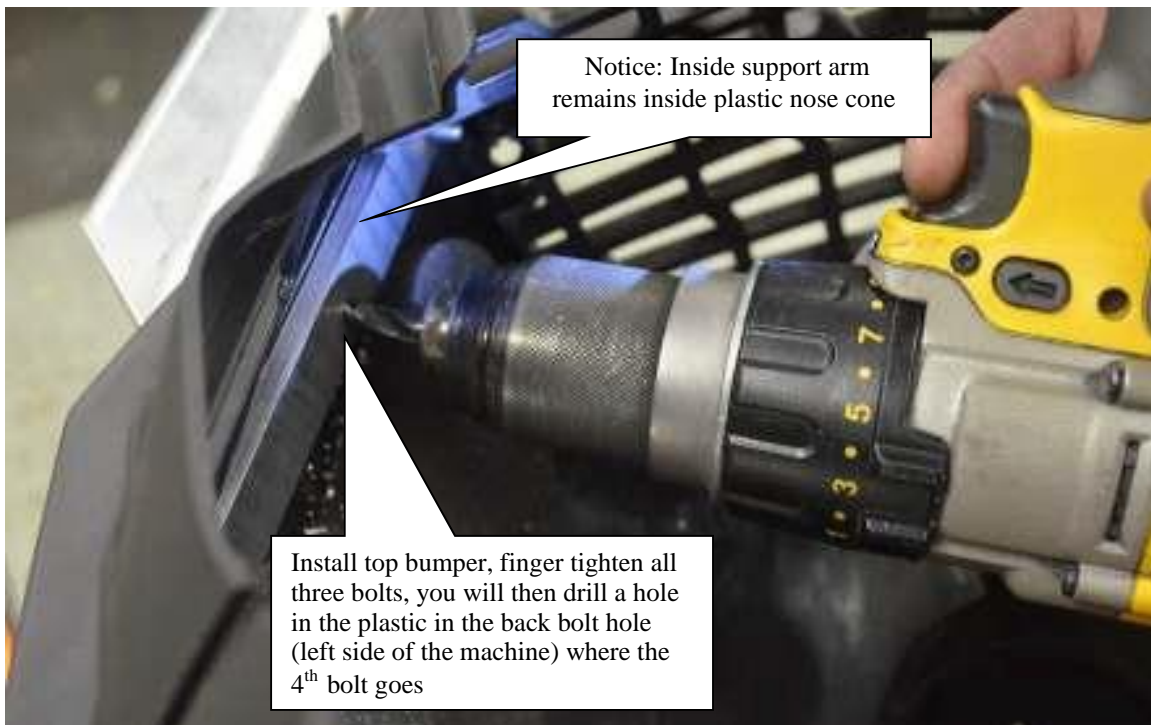
Bumper installation instructions

1. Remove the stock bumper by unbolting the 2 rear bolts that attach to the cross member in the rear. Then drill or use a chisel to remove the 4 rivets in the front nose cone. Remove bumper.
2. Remove Exhaust pipe
3. Start installation of the Straightline bumper by installing the 2 inside supports. The picture below shows the location where you need to drill 4 new holes (2 per bumper support) select a drill bit that will fit supplied hard ware. Once drilled install the **shorter** bolts in the bumper hardware bag. **Do not tighten any bolts until all bolts are installed.**





4. Install the front bumper, finger tighten all bolts, then use bumper bracket as a template drill hole in plastic where you would install 4th bolt.



5. If installing sport bumper install 4th bumper bolt. Rugged series go to next step.

If installing a Sport series bumper skip this step Rugged series follow steps below:

6. For ease of hassle and alignment, remove the top wing, install two front bolts in bumper (as shown) then slide bumper onto machine and install remaining back bumper bolts



For ease of alignment remove the top wing, install two front bolts in bumper (as shown) then slide bumper onto machine and install remaining back two bumper bolts

Final Steps:

7. Tighten all bolts



Tighten all bolts.

8. Install Exhaust temperature sensor splitter in inside support arm



Install exhaust sensor splitter
in bumper support arm

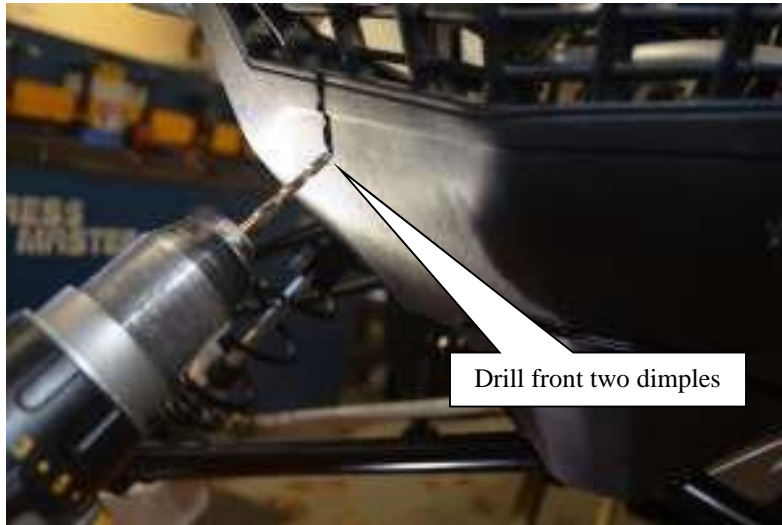
Skid Plate instructions

1. Elevate or flip machine on its side, then hold skid plate up for reference



Notice dimples in stock nose
cone

2. Drill front two dimples on stock nose cone



3. Mount skid plate with front two bolts (**short**) using supplied washers on the backside and tighten.



4. Using skid plate as a template push it flush with the chassis mark and drill bottom holes. Use long bolts and tighten sucking the skidplate around weld.



- Using skid plate as a template drill final two holes. Then install and tighten bolts sucking skid plate up around the nose cone



Installed correctly your bumper will look like this



Rugged series installed

Warranty

Be sure the Straightline Bumper Assemblies have no manufacture defects. If the bumper has been installed there are **no warranties** for fitment.

BOM Check One: 183-226 Rugged__

Rugged Series
183-226

Quantity	Item #	Descriptions	In Box
1	WS-514L	Left Bumper Support Bracket	
1	WS-514R	Right Bumper Support Bracket	
1	183-109 Upper Wing	Complete Upper Wing Assembly	
1	183-110 Lower Wing	Complete Lower Wing Assembly	
1	182-111	Skid Plate	
1	10200-11196	Rugged Series Hardware Kit	
1	10200-11203	Skid Plate Hardware kit	
1		Straightline Sticker	

Checked and Packaged By

Technical questions please email tech@straightlineperformance.com

Facebook @ straightlineperformanceinc

Youtube @ straightlineperfinc

Twitter @ straightlineperf