

Rescue Boggan

Assembly Instructions & Operations Handbook

Congratulations!

You are the owner of the most advanced Remote-Rescue Unit available today. The superior suspension and cushioned hitch provides a high level of safety and comfort for your patients. Your Rescue Boggan is partially knocked-down for easy shipment, so some assembly is required. Follow the simple instructions inside.

Important: Save these instructions, DO NOT DISCARD.



Tools Required to Assemble Skis and Suspension

- | | |
|---------------------------------|-------------------------------|
| [1] – ½" wrench or socket | [1] – 15/16" wrench or socket |
| [2] – 9/16" wrenches or sockets | [1] – 1 1/8" wrench or socket |
| [2] – ¾" wrenches or sockets | [1] – rubber mallet/hammer |

Parts List

- | | |
|---|--|
| [4] – 3/8" x 2" Coarse Thread Bolts | [1] – M20 Castellated Hex Nut |
| [4] – 3/8" x 4" Coarse Thread Bolts | [1] – 1/8" x 2" Cotter Pin |
| [4] – 3/8" x 1 ¾" Fine Thread Bolts | [4] – Wear Bars |
| [4] – 3/8" x 1 ¼" Fine Thread Bolts | [3] – 11" x 3/32" Nylon Wear Circles |
| [10] – 3/8" x 2 ¾" Coarse Thread Bolts | [1] – Swivel Front Suspension Frame |
| [4] – ½" x 5 ½" Coarse Thread Bolts | [1] - Fixed Rear Suspension Frame |
| [54] – 3/8" Washers | [2] – Right Hand A-Frame Arms |
| [12] – ½" Washers | [2] – Left Hand A-Frame Arms |
| [8] – ½" Shims | [4] – Skis |
| [4] – ¾" OD x 3/8" ID x .406" Bushings | [4] – Shocks |
| [18] – 3/8" Coarse Thread Nylon Lock Nuts | [1] – 35" Hitch with Chain (Brute w/o Chain) |
| [4] – ½" Coarse Thread Nylon Lock Nuts | [1] – Limited Rotation Hitch Pin Assembly
(Brute includes Hitch Pin Assembly) |
| [12] – ½" Coarse Thread Hex Nuts | [1] – Wiring Harness (Rescue Only) |
| [8] – 3/8" Fine Thread Nylon Lock Nuts | [1] – Bench Seat (Rescue Only) |
| [1] – Rescue/Brute Body and Frame | [1] – Canopy (Rescue Only) |

Brute/Rescue Boggan with Ski & Suspension

The Brute/Rescue's main frame is shipped pre-mounted to the Brute/Rescue body.

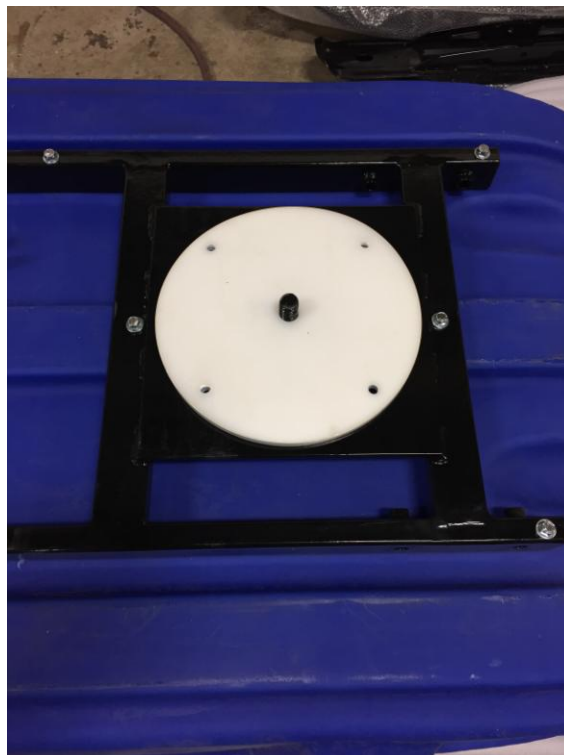
Step 1: Remove Canopy and Bench Seat from Rescue body. Invert body and frame upside down for ease of assembly.

Parts Required: [1] Rescue/Brute Body and Frame



Step 2: Position the [3] 11" nylon wear plates over the 3/4" welded bolt. Line up the four bolt holes.

Parts Required: [3] – 11" x 3/32" Nylon Wear Circles



Step 3: Position the Swivel Front Suspension Frame on the main frame as shown below.

Parts Required: [1] – Swivel Front Suspension Frame



Step 4: Secure the Swivel Front Suspension Frame to the main frame using the hardware listed and in the configuration in the above picture. Secure the bolts with a 3/8" washer and lock nut.

Note: DO NOT over-tighten the Castellated Hex Nut as this will inhibit swivel rotation.

Parts Required: [4] – 3/8" x 1 3/4" Fine Thread Bolts

[4] – 1/2" Washers

[8] – 3/8" Washers

[4] – 3/4" OD x 3/8" ID x .406" Bushings

[4] – 3/8" Fine Thread Nylon Lock Nuts

[1] – M20 Castellated Hex Nut

[1] – 1/8" x 2" Cotter Pin



Step 5: Position the Fixed Rear Suspension Frame to the main frame and secure it using the hardware listed in the below picture.

Parts Required: [1] - Fixed Rear Suspension Frame

[4] – 3/8" x 1 1/4" Fine Thread Bolts

[8] – 3/8" Washers

[4] – 3/8" Fine Thread Nylon Lock Nuts



Step 6: Attach an A-Frame Arm to the Swivel Front Suspension Frame as shown below.
Use the hardware listed in the configuration shown below.

Parts Required: [1] – Right/Left Hand A-Frame Arm

[2] – 3/8" x 2 3/4" Coarse Thread Bolts

[2] – 3/8" Washers

[2] – 3/8" Coarse Thread Nylon Lock Nuts



Step 7: Attach a shock to the A-Frame Arm using the listed hardware; use the washer on the nut-side.

Parts Required: [1] – Shock

[1] – 3/8" x 2" Coarse Thread Bolts

[1] – 3/8" Washers

[1] – 3/8" Coarse Thread Nylon Lock Nuts

Step 8: Attach the other end of the shock to the Swivel Front Suspension Frame as shown below. Use the hardware listed in the configuration shown below.

Parts Required: [1] – 3/8" x 4" Coarse Thread Bolts

[6] – 3/8" Washers

[1] – 3/8" Coarse Thread Nylon Lock Nuts



Step 9: Attach a Wear Bar to a Ski using the hardware listed. Insert the front of the Wear Bar in the slot on the Ski while lining up the threads with the holes on the ski.

Parts Required: [1] – Ski

[1] – Wear Bar

[3] – ½" Coarse Thread Hex Nuts



Step 10: Attach a Ski to the A-Frame Arm already installed on the Frame.

Use the configuration below to install the hardware. The two shims should be on the inside of the ski.

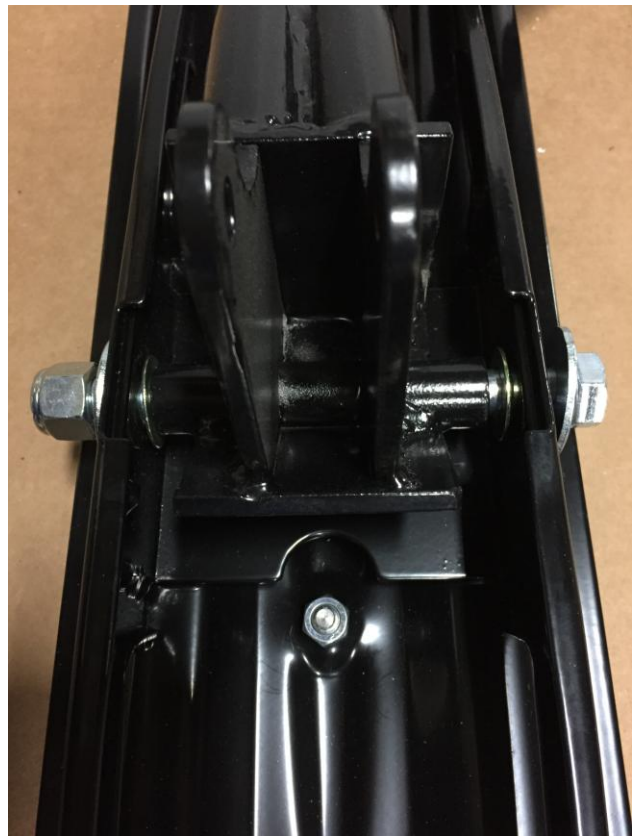
Parts Required: [1] – Ski/Wear Bar Assembly

[1] – ½" x 5 ½" Coarse Thread Bolts

[2] – ½" Washers

[2] – ½" Shims

[1] – ½" Coarse Thread Nylon Lock Nuts



Step 11: Repeat steps 6-10 for the other side of the Swivel Front Suspension Frame.
Repeat steps 6-11 for the Fixed Rear Suspension Frame
The result should look like the picture shown below:



Step 12: Install the Limited Rotation Hitch Pin Assembly to the Hitch as demonstrated in the picture below

Parts Required: [1] – Limited Rotation Hitch Pin Assembly

[1] – Hitch



Step 13: Flip the Rescue/Brute Body and Frame over.

Position the Hitch Assembly between the two brackets on the Swivel Front Suspension Frame. Secure the Hitch Assembly using the hardware listed below.

The Washers should be placed on the nut-side of the Bolts.

Parts Required: [1] – Hitch Assembly

[2] – 3/8" x 2 3/4" Coarse Thread Bolts

[2] – 3/8" Washers

[2] – 3/8" Coarse Thread Nylon Lock Nuts



Step 14: Install the Brake/Tail Light Wiring Connection. Splice the jumper harness to the appropriate wire (details below) on your snowmobile or ATV using the connectors provided. Secure the jumper harness to the harness on the snowmobile or ATV and test by turning on the unit and applying the brake.

<u>FUNCTION</u>	<u>RESCUE</u>
Ground	Brown
Running	Green
Brake	Yellow

Step 15: Replace Canopy and Bench Seat onto Rescue body. Secure to body using rubber Tee Handles as shown below.



Congratulations

Assembly of your Brute/Rescue suspension is now complete.