



Race-Light Single Bottle Roll Bar Mounting Bracket

PART NUMBERS: 00-32030-RB, 00-32032-RB, 00-32034-RB

ASSEMBLY INSTRUCTIONS

The Nitrous Outlet Race-Light bottle mounting brackets are designed to provide a light weight and rigid mounting option for carbon 12lb nitrous bottles or aluminum 10lb & 15lb nitrous bottles. If you need any assistance during installation or if you have questions about this bottle mounting bracket, call our Tech Help Line at (254) 848-4300.

Tools Needed for Assembly:

- 3/16" Allen Wrench
- 1/4" Allen Wrench
- 1/2" Wrench
- Loctite



Installation Tip:

Red Loctite is recommended on all threaded fasteners.



Step 1:

10 & 15lb Aluminum bottles - Have a N2O logo located in the center of the bottom plate. Using the supplied 5/16-18 x 1/2" button head cap screws, attach the two short support bars to the bottom plate, above and below the N2O logo.



12lb Carbon bottles - Have an open circle in the center of the bottom plate. Using the supplied 5/16-18 x 1/2" button head cap screws, attach the two short support bars to the bottom plate, opposite each other.

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Step 2:

Using the supplied button head cap screws, install the longest support bars on the bottom plate in the remaining two locations.



Step 3:

Position the lower support ring so that the mounting tab and Nitrous Outlet Logo are facing to the opposite direction of the bottom plate. Clock the lower support ring so that the two long support bars slide through the larger diameter holes across from one another. Using the supplied button head cap screws attach the front of the lower support ring to the short support bar.

Note: 10 & 15lb Aluminum bottles - Make sure you have the N20 logo facing in the direction you prefer.



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Step 4:

Install the supplied 5/16-18 x 3/4" long threaded stud through the rear hole in the lower support ring and into the short support bar. Screw the stud in 4 complete turns.



Step 5:

Thread the mid length support bar onto the stud at the rear of the lower support ring.



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Step 6:

Position the top cradle support mount so that the mounting tabs are facing towards the lower support ring and the Nitrous Outlet logo in the opposite direction. Slide the top cradle support mount down the long support bars. Using a supplied button head cap screw attach the cradle to the mid length support bar.



Step 7:

Apply red Loctite to only one end of the supplied 5/16-18 x 1" long studs.



Step 8:

Thread the end with Loctite into the two long support bars.

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Step 9:

Place the Nitrous Bottle in the Race-Light bracket.



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Step 10:

Position the bottle neck support so that it contours the front of the nitrous bottle neck and slides down the rod studs.



Step 11:

Install the screw knobs on to the studs.



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Conclusion:

You have finished the Race-Light bracket assembly. Now bolt it into the desired location.



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Tools Needed for Installation:

- 1/4" Allen Wrench
- 1/2" Wrench
- Marker



Step 1:

Determine the correct mounting location for your bottle. With your bottle in the bracket, hold it in the desired location.



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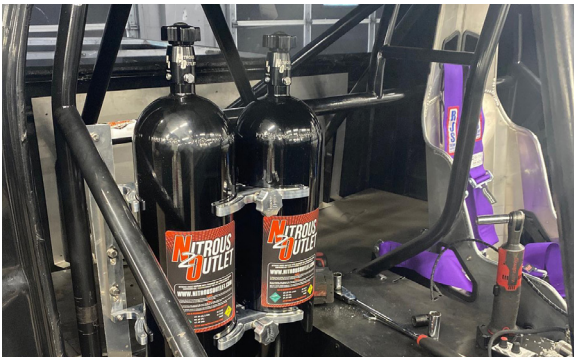
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Lay Down Mounting - If mounting the bottle in lay down position, the bottle valve must be towards the front of the vehicle with the bottle nipple facing down. This position will orient the siphon tube at the back of the bottle where the liquid nitrous will be during acceleration.



Vertical Mounting - If mounting the bottle vertically, the bottle nipple must face toward the back of the vehicle. This position will orient the siphon tube at the back of the bottle where the liquid nitrous will be during acceleration.



Sideways Mounting - If mounting the bottle sideways, the bottle nipple must be angled around 45° downward, toward the rear of the vehicle. This position will orient the siphon tube at the back side of the bottle where the liquid nitrous will be during acceleration.

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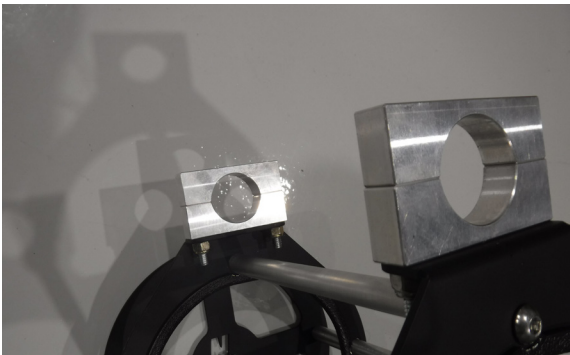
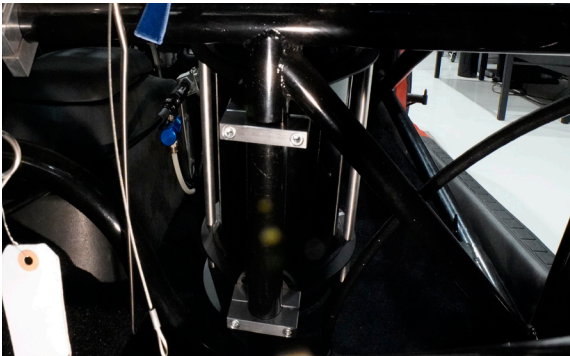
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Step 2:

Once your location has been determined, you will need to position the roll bar brackets in the correct orientation. The roll bar brackets bolted directly to the bottle bracket will work on a vertical roll cage bar. For angled bar mounting, use of the provided pivot plates is required.

Step 3:

Vertical Bar:

Using a 1/4" Allen wrench and 1/2" wrench, install the roll bar mounts to the flanges on the lower support ring and top cradle support.

Angled Bar:

Align the roll bar pivot plate holes with the mounting flange of the bottle bracket. Using a 3/16" Allen wrench and 1/2" wrench, bolt the plates in place with the provided 5/16-18 x 1" socket head cap screws.

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Step 4:

Vertical Bar:

Remove the bottle from the bracket, then mark the desired bracket location on the roll cage bar.



Angled Bar:

After determining the correct orientation that matches the bar angles, bolt the bar mounts to the pivot plates in order to mark the roll bar.



Step 5:

Remove the roll bar mounts from the bottle bracket, then position the roll bar mount around the bar with the provided 5/16-18 x 2 1/2" machine screw in the marked location. One bar mount is recessed for the screw head.



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Step 6:

Vertical Bar:

Position the bottle bracket with the machine screws through the corresponding holes in the bottom ring and top cradle of the bottle bracket.



Angled Bar:

Position the mounting bracket roll bar pivot plates over the roll bar mount screws. Using a 1/4" Allen wrench and 1/2" wrench, tighten the bracket in place.



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Step 7:

Using a 1/2" wrench and 1/4" Allen wrench, tighten the bracket and clamps to the roll cage bar.



Step 8:

Position the bottle in the bracket with the bottle nipple facing toward the back of the vehicle. This position will orient the siphon tube at the back of the bottle where the liquid nitrous will be during acceleration.

****Note:** Bottle placement is critical to the performance of the nitrous system. It is important to mount the nitrous bottle properly to ensure that the siphon tube inlet is submerged in liquid nitrous.



Step 9:

Place the neck bracket over the threaded studs at the top of each side bar with the loop in the bracket toward the front of the bottle. Screw the knobs on to the studs.



Conclusion:

You have finished the bottle bracket installation.

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