

Making Glider Cobra Trailer Inexpensive & Portable Ramps



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PLEASE NOTE

This document may have been updated with new information, changes, and corrections.

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Thank you, John

Glider Trailer Ramps

Almost every year during the winter months I move my glider fuselage into my shop (a.k.a garage) to work on the ship, usually on the instrument panel.

The problem for me is getting the glider fuselage off of the trailer's ramp while still being attached to the fuselage dolly.

**How can I do that
without any
assistance?**

Build Ramps!

Glider Trailer Ramps - Narrow



These were the first set of ramps that I built. These allowed the fuselage dolly to move up/out of the trailer's deep U-shaped ramps.

Glider Trailer Ramps - Narrow



The ramp is made from 3/4" thick hardwood such as oak* and are approximately 1-1/2" wide and 18" long

The wood is then beveled at one end to match the slope of the trailer's U-shaped aluminum ramp

The small cross member is to support and stabilize the wooden ramp near the bottom end of the aluminum ramp

For strength and ease of operation the ramp must sit firmly onto the bottom of the U-shaped ramp

* Do not use soft wood such as pine for this part because the board is thin and narrow and needs the strength of a hardwood.

Glider Trailer Ramps - Narrow



Unfortunately, this requires two people to then lift the fuselage and dolly down to the ground.

Not so easy!

Glider Trailer Ramps - Wide



These were the second set of ramps that I built after needing help when using only the narrow ramps. This allows the fuselage and dolly to easily be moved down to the ground requiring only one person to do this work.

EASY-PEZY!

Glider Trailer Ramps - Wide



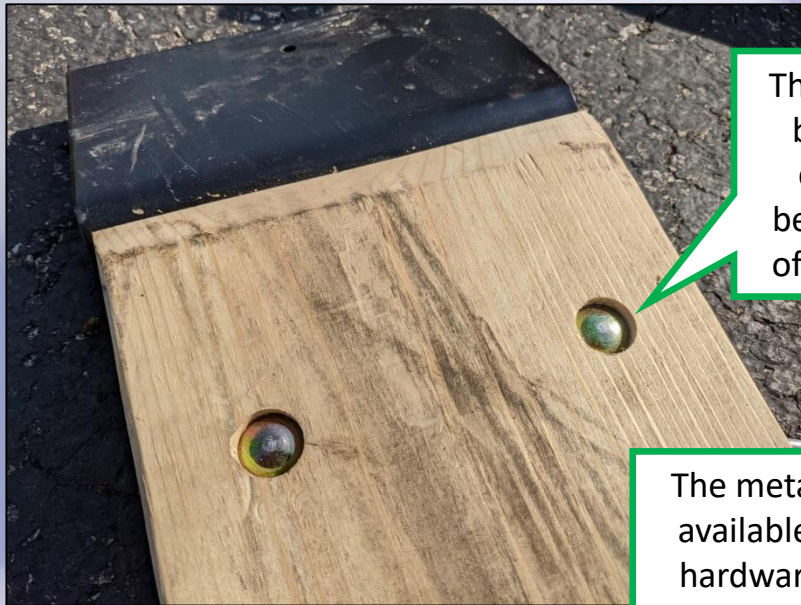
These ramps are made from 2"x8" of a soft wood* and are about 24" long

The wood is then beveled at one end to match the slope of the ground

The handles are handy to ease lifting & positioning of the ramps

* Soft wood such as pine is fine for this part as the board is strong enough being thick and wide.

Glider Trailer Ramps - Wide



These are carriage bolts which are counter-bored below the surface of the wood ramp



The metal ramp is available at most hardware or tool stores

Bevel the end of the wood



Round the bottom edge of the wood

Glider Trailer Ramps In Use



Enjoy!

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- Transceiver Troubleshooting
- Oxygen Systems
- Working with Glider Air Lines
- Sailplane Wiring
- Trailer Wiring & LED Lighting
- Soaring Pilot Relief Systems
- Battery Testing
- Emergency Location Devices & Survival Kits
- Spar Alignment Tool
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