

In shop Europa Classic Trailer:

Condition as of Jul 2018:

Requires repaint on steel surfaces.	\$ 20
Aluminum needs pressure washing.	
Wiring and lights damaged.	\$ 20
One fender missing.	\$ 30
Tires shot.	\$ 25
Tail plane holders are not usable but welded on.	
Ramp supports are both right hand so nearly impossible to adjust.	\$ 50
Wing racks are too narrow, have no straps, and are too close to the fuselage.	\$100
Wing spar supports are for original Classic.	\$ 50
No Trailer Jack	\$ 45
No winch installed to assist in pulling aircraft on to trailer.	\$ 30
Distance from tail wheel to hitch is too short for a large winch.	
Wood Ramp and spacers are typically needed 3 hours 3/4x2'x4' ply	\$ 30
Total Cost Estimate for repair and welding only:	\$400
Labor to assemble all above and make roadworthy and paint:	\$800
Total Trailer Repair cost:	\$1,200

Repair Parts Needed:

Light and wire kit: Lowes or similar.
LIGHT KIT W/CLEARANCE, TAIL & 20' HARNESS \$20



Fender kit or new axle. Ultra Tow axle rated at 550# may be all that is needed.

Fender particulars:

Length=20", Height=6", Width=7", Wheel Size=8". Heavy 16 gauge stamped steel trailer tire fender with a galvanized finish. Fender can be primed and painted for a custom color finish. Mounting hardware sold separately.

Redneck trailer has stock and others similar: Brand: C E Smith MPN: 17700G \$15



TRAILER PARTS
SUPERSTORE



Replace tires. Loadstar Kenda

Utility and Trailer Tire Walmart for \$20 each. Or new complete tire and wheel Loadstar Bias Tire and Wheel (Rim) Assembly 480/400-8 4 Hole \$23 each.

Install trailer jack. Smaller the better. Redneck: JP01-010 seems similar.

BOLT-ON SWIVEL JACK W/WHEEL, 850 LB LIFT CAP \$45



Strap Winch: Must be small at 5 inches diameter or less.

Harbor Freight:

Haul Master 900 lb 20 ft. Strap item 62471 \$25. Don't use hook. Bolt to area just behind hitch so as to clear the latch.



Repairs and welding:

Modify ramp support rods: Remove one RT Hand Heim and install install left thread Heim Joint, weld on left nut and add handle in center of the bar to allow tightening:

Most suppliers have Heim Joints. Automotive is as good as aircraft.

Granger has:

Left hand 5/16 inch male heim joint and left hand nut.

Male Plain 52100 Steel Spherical Rod End with 5/16-24" Left Hand Thread \$5 each

See photo below:



Cut wing racks off: Acquire 3/16 inch plate to reweld wing supports on to at a proper 7 inch width. Set the wing racks slightly wider to allow two more inches total clearance. Weld the plate and supports to the old plate and reuse hinges if possible. Plate at Metal Supply Tampa cost \$12 for 3/16"x5"x 12"

Cut trailer spar supports and hinge: Cut just the top and install catch and hinge to allow spar strap of XS wing spar to be placed in rather than slid in like original Classic.

Europa Trailers have 90 degree wire latches made by PROTEX

30-670MSZN: Spring Claw Latch Medium Duty Padlockable Mild Steel Zinc Plate Passivate (Silver Blue)

Medium duty fastener or draw latch with curved spring claw and padlock facility for additional security.



Qty	Price	Latch
1	\$3.39	\$1.19

Wood Fabrication:

Fab wood ramp for easier loading 24" by 2.5 inch lift.

Fab wood spacers if 7 inch wide tire from 3/4 inch ply shaped to fit exactly and use tapered screw to hold in place.

Consider extending tongue for winch and jack but is not necessary.

Consider mod to trailer ramp to allow better support. 1/2 inch aluminum to weld on if long distance or often trailering is necessary.