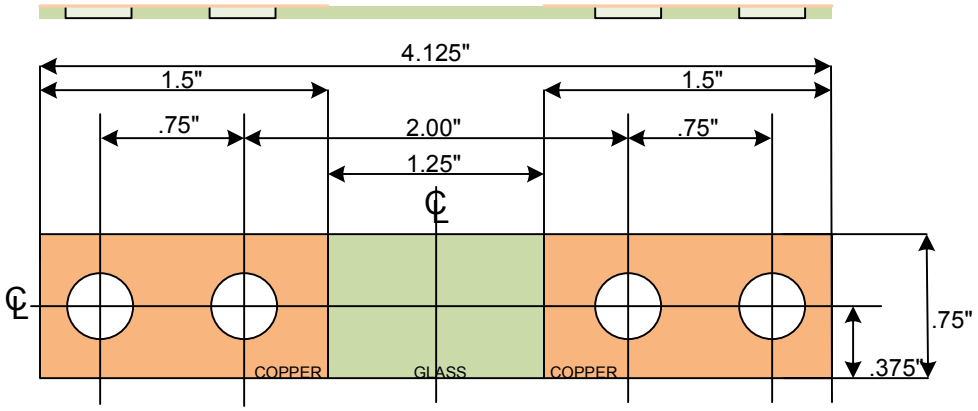


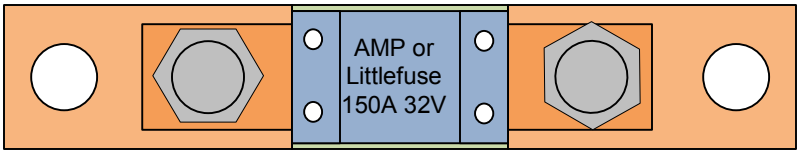
Hole Diameter= 5/16"

Material= FR4 single sided, 1 Ounce copper clad stock, 3/32" thick

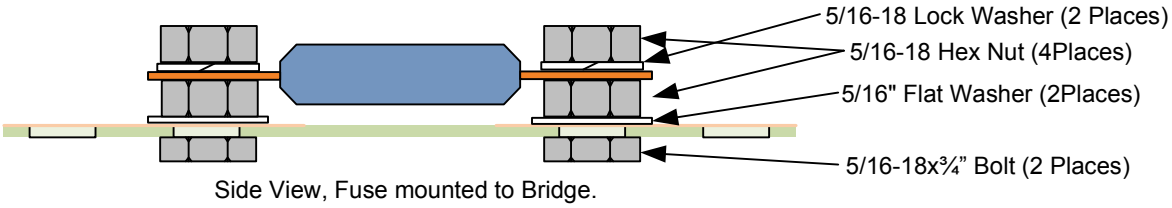
Cut stock to size. Use 1.5" Masking tape to mask copper clad stock and cover ends, then etch.

Mark and center punch holes, drill out the four holes to 5/16"in two steps minimum.

Outside dimensions are not critical. Hold rough cut dimensions to plus or minus 1/16".



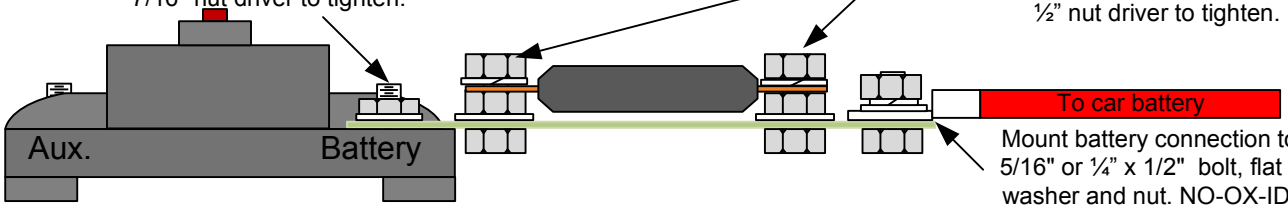
Top View, Fuse mounted to Bridge. Mount copper side up



Side View, Fuse mounted to Bridge.

Breaker bolt is a ¼"-28. Use STM nuts furnished with breaker. Add ¼" flat washer NO-OX-ID connection. 7/16" nut driver to tighten.

Mount fuse to bridge with 5/16-18x3/4" bolts, with lock washer, flat washer and nuts. NO-OX-ID connection. ½" nut driver to tighten.



Mount battery connection to bridge with 5/16" or ¼" x 1/2" bolt, flat washer, lock washer and nut. NO-OX-ID connection.

Sleeve assembly with 1" split loom to cover live battery connections.

Date	Revision/Addition/ Note	By:
Apr 12 , 2011	Inital Drawing	GSC
Apr 12 , 2011	150A fuses are mounted directly between battery cable and breaker. These fuses have been failing in cars due to vibration and torsional strains. The bridge gives mechanical strength to the fuse element to support and absorb the strains.	GSC
May 20 , 2011	Prototype did not leave room for a second 5/16" bolt and nut to clear fuse bolt. Increased dimension between holes by .25" Increased overall dimension of bridge by .5"	GSC
May 30 , 2011	Added top and side view. Added hardware detail	GSC

Drawn By:	Gerald Crenshaw WD4BIS	Date:	May 20, 2011	From the bench of: Amateur Radio Station WD4BIS	Page 1 of 1
Designed By:	Gerald Crenshaw WD4BIS	Date:	May 20, 2011		
Checked By:	Janet Crenshaw WB9ZPH	Date:	May 20, 2011	Title: Mechanical Bridge for 150A 32V Fuse	Scale: