



**INSTRUCTIONS:**

- Step 1 Cut out materials.  
1 - 2" x .120 Sq. Tubing @ 5" (cut both ends square)  
1 - 5/8" Round Stock @ 5-1/2"
- Step 2 Mark and drill holes.  
1 1/16" hole in the tubing centered and 1" from end  
5/32" hole in round stock centered and 1/2" from end  
Bevel hole in round stock with a 5/16" drill bit
- Step 3 Bend cover pin (45°) as indicated on drawing
- Step 4 Determine cover design & cut out (Plasma table)
- Step 5 Drill/plasma cut holes and weld in bolts for front plate studs (design)
- Step 6 Weld cover back plate to tubing with 1/2" beads on the corners
- Step 7 Sandblast & paint & assemble

**SCORESHEET:**

Accuracy of cuts (Tubing and Round Stock)	20	_____
Accuracy of Holes	20	_____
Quality of Metal Prep	25	_____
Weld Quality - Tubing to Plate	25	_____
Weld Quality - Studs	20	_____
Project Finish (Paint)	20	_____
Workmanship	20	_____
<b>TOTAL</b>	<b>150</b>	_____

Hilmar Metal Works

Hitch Cover Plans

Scale: 1" = 1-1/2"

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