

To: All Wheelchair Rugby Participants

Date: 30 May 2012

Topic: Allowances for Bumper and Wings by Equipment Committee

It has been brought to the notice of the Equipment Committee that many of today's chairs are technically illegal according to the current rules. The committee has reviewed many of the bumpers used in today's chairs and have made the following rulings.

There are examples of these decisions at the end of this document.

1 – Connection of bumper to mainframe: Art: 29.l states *There must be a bar connecting the bumper to the main frame of the wheelchair extending from the widest point of the bumper.* The majority of chairs do not conform to this rule and advice is that to attach this bar to the mainframe would weaken the integrity of the mainframe. The Committee has ruled that the bar returning from the widest point of the bumper, if not connected to the mainframe, must show that if it continued in the same direction it would connect to the mainframe, as viewed in the horizontal plane..

2 – Bends in bumper: Art: 29.k states *The minimum outside measurement of any portion of the bumper, measured from outer edge to outer edge, is 3.27 centimeters.* And Art: 29.j states *The inside curvature of all bends must be a minimum of 2 centimeters in diameter.*

An offensive bumper was found to have breached these components. The Committee believe that there may be some advantages gained from this. As such this bumper has been declared illegal.

3 – First point of contact on the wing. Art: 30.a states *The outer-most point of contact of the wing must be exactly 11 centimeters from the floor.* Several chairs have been presented that have the first point of contact at 12cm. On review the Committee did not see any advantage gained by this and have ruled that a 10mm allowance either side of 11cm be allowed.

Note: There will be zero tolerance beyond the 10mm.

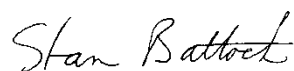
4 – First point of contact on the bumper: Art 29.a states *The front-most part of the bumper, measured to the midpoint of the rod or tubing with the casters in a forward-rolling position, must be exactly 11 centimeters from the floor*

For the 11cm contact point on the bumper an allowance of 5mm either side of the 11cm will be permitted.

Note: There will be zero tolerance beyond the 5mm.

5 – All other measurements will be rigidly enforced, height of wing, width of bumper etc. No tolerance will be allowed.

Regards



Stan Battock

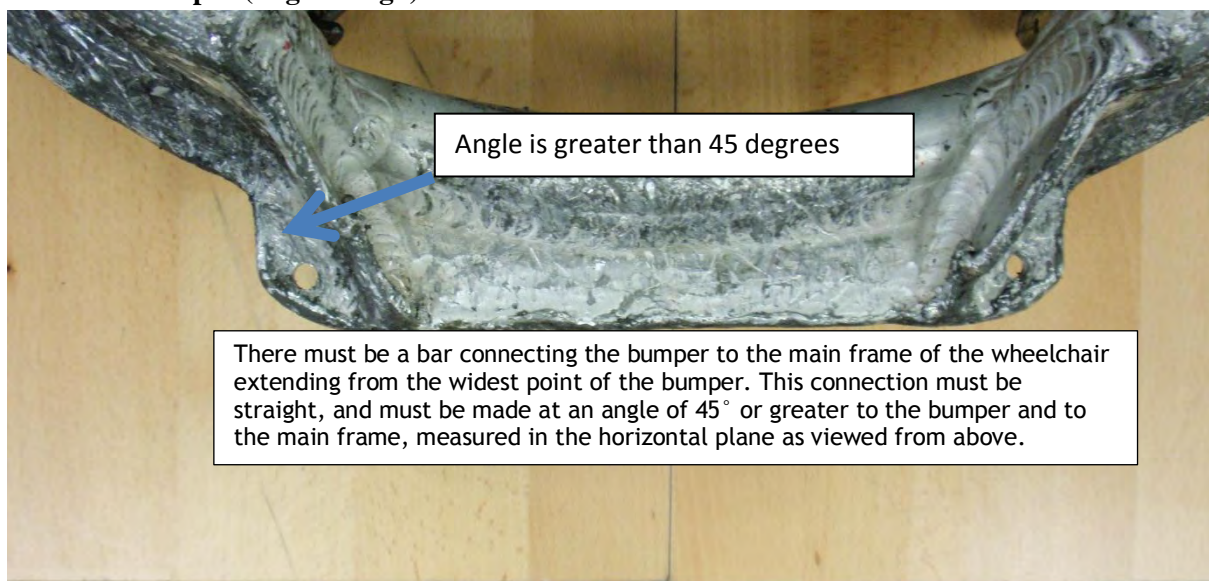
IWRF Technical Commissioner

Offensive Bumper (Illegal design)



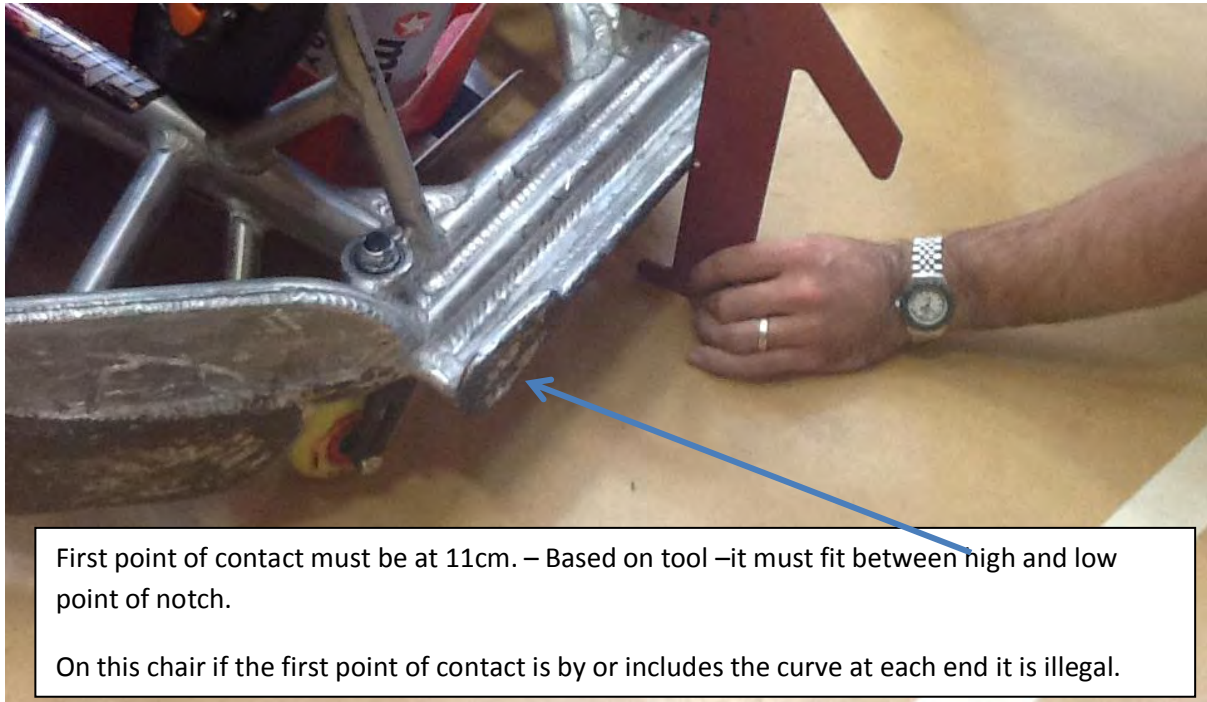
A Bumper must ensure bend conforms to rules. As rules states: - *The minimum outside measurement of any portion of the bumper, measured from outer edge to outer edge, is 3.27 centimeters*

Offensive Bumper (Legal design)

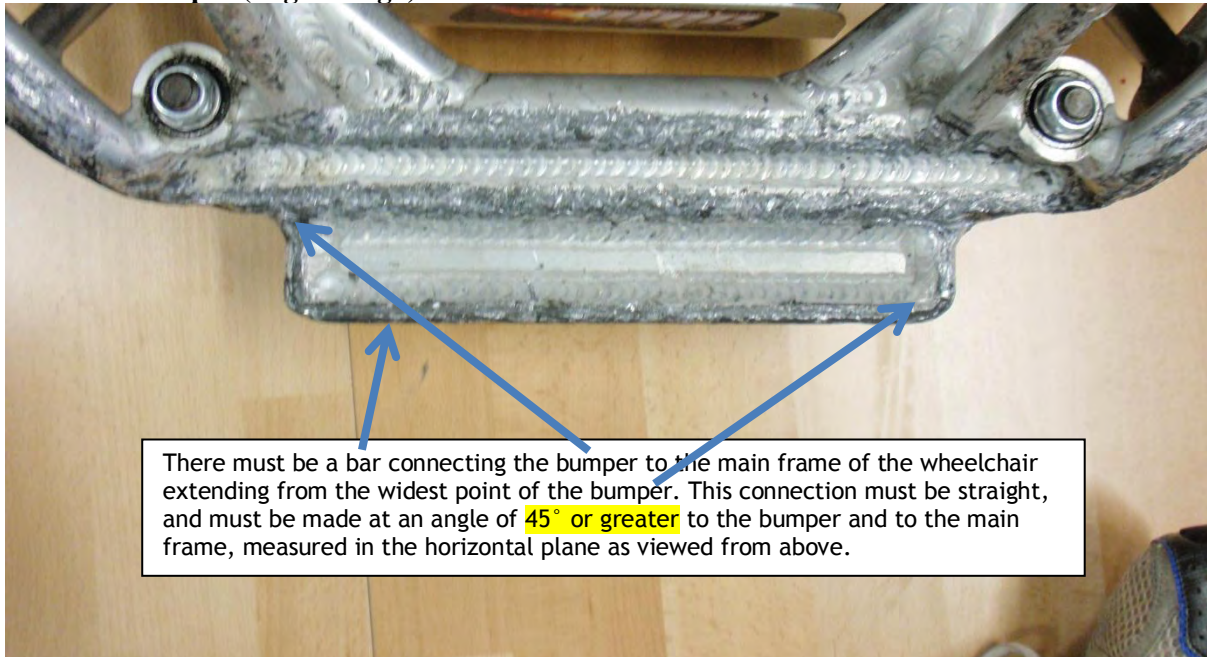


Note: Bumper does not look to have any rod or tubing – but in all other facets is built legally.

Offensive Bumper (Legal design)



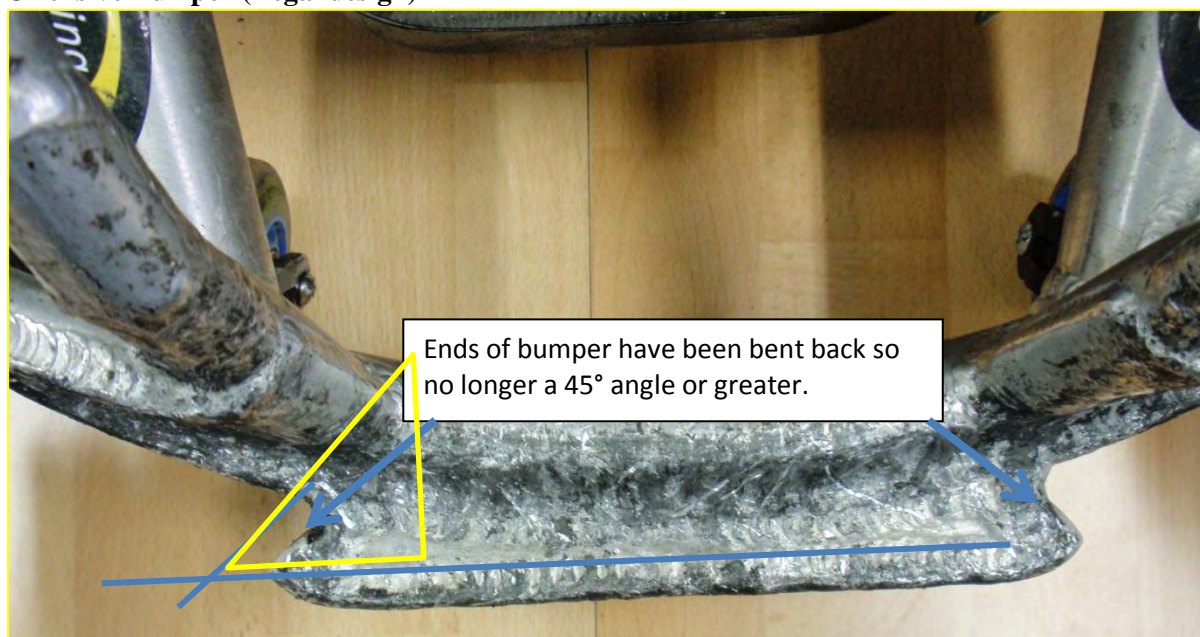
Offensive Bumper (Legal design)



Offensive Bumper (Legal design)



Offensive Bumper (Legal design)



Note: Ends of bumper have been bent back so no longer a 45° angle or greater. This chair requires corrective work, but the original design is legal.

Offensive Bumper (Legal design)

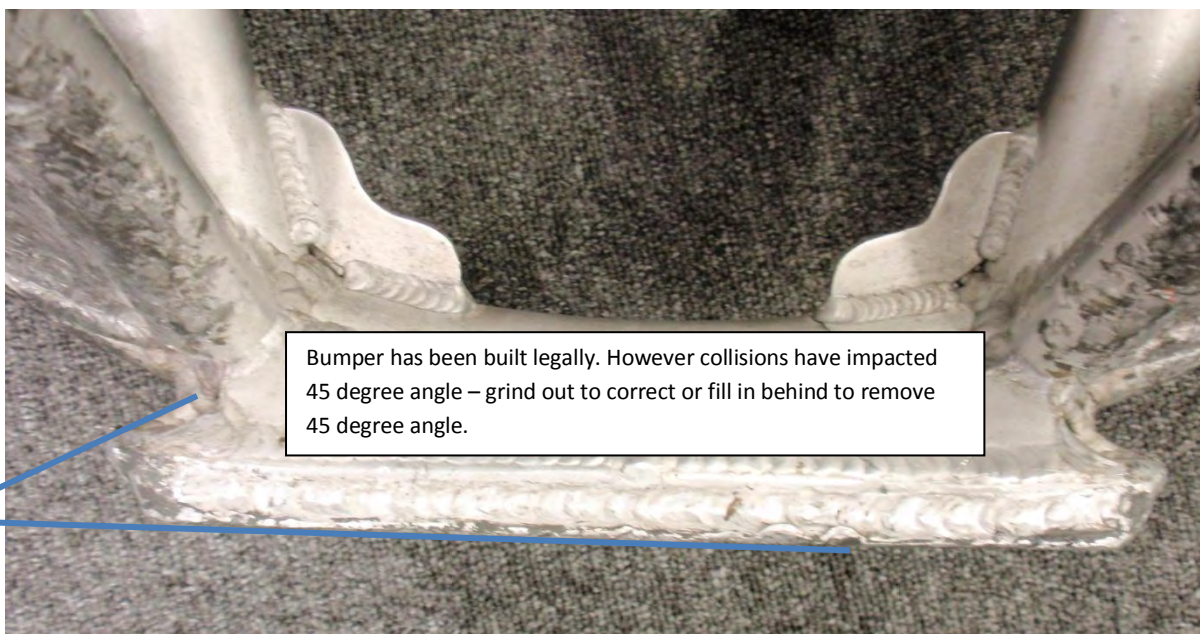


Offensive Bumper (Legal design)

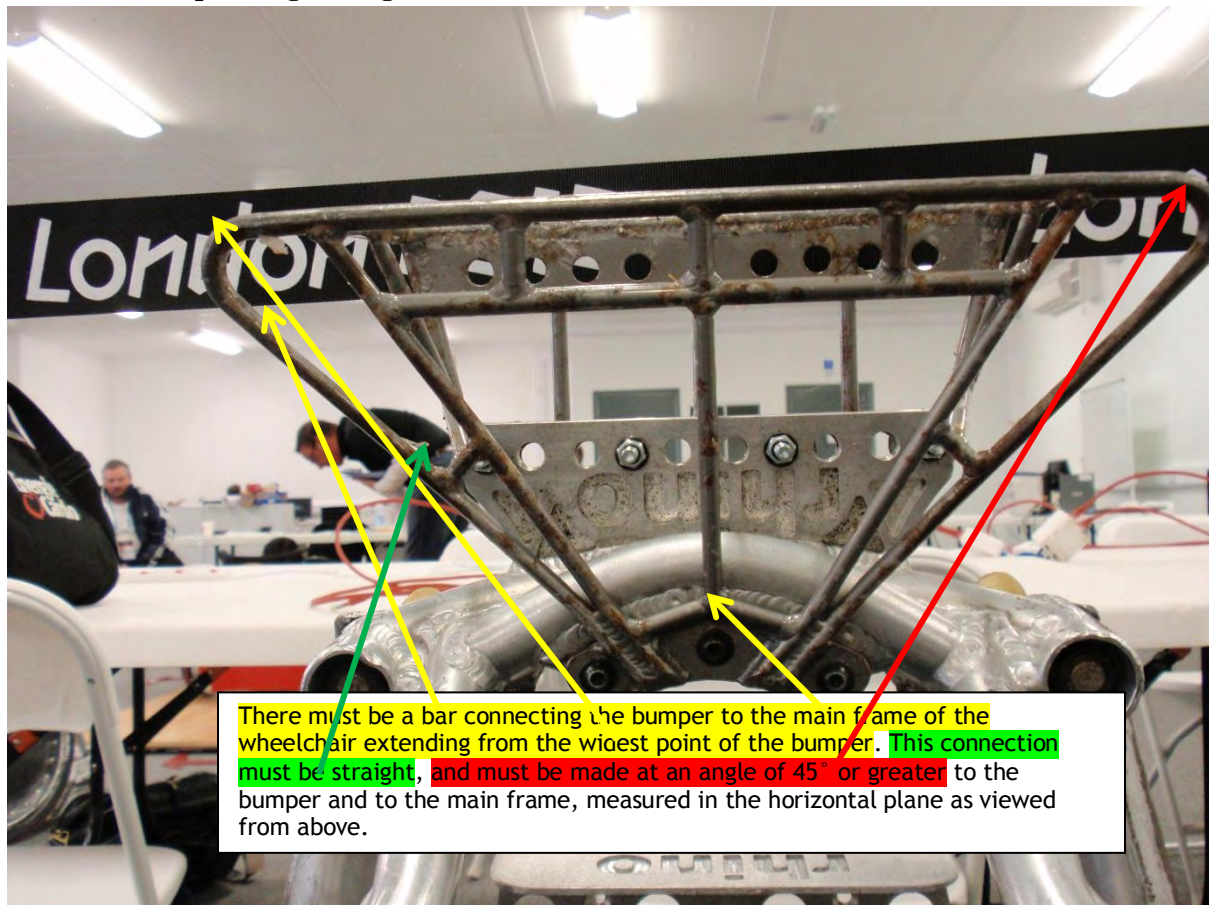


Note: Arrowed bars must not have any sharp edges

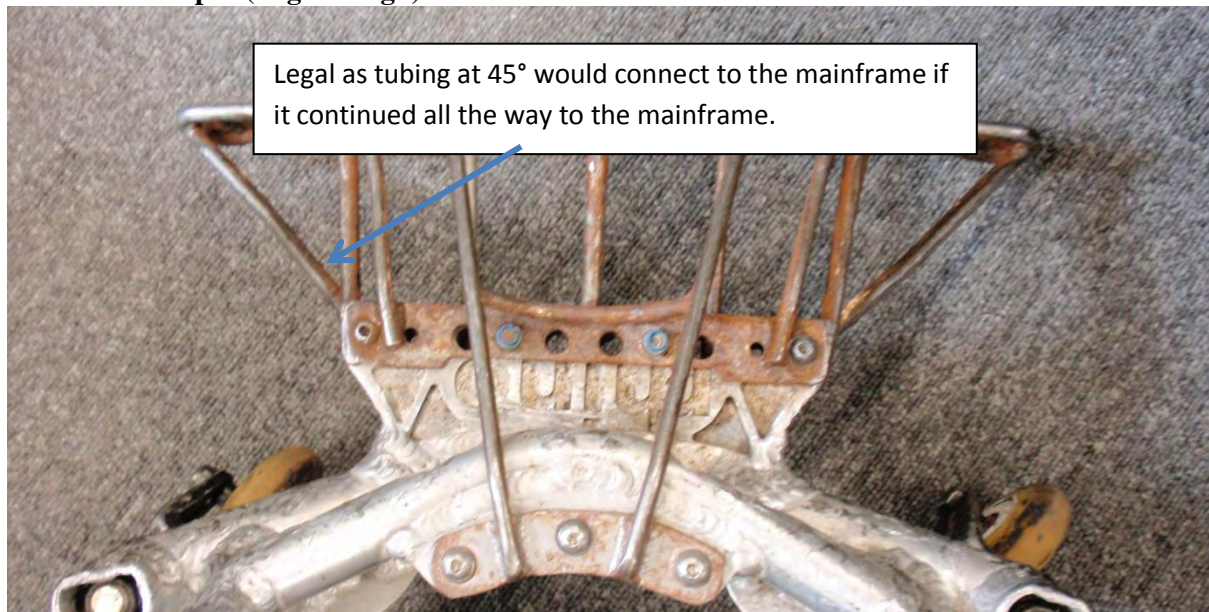
Offensive Bumper (Legal design)



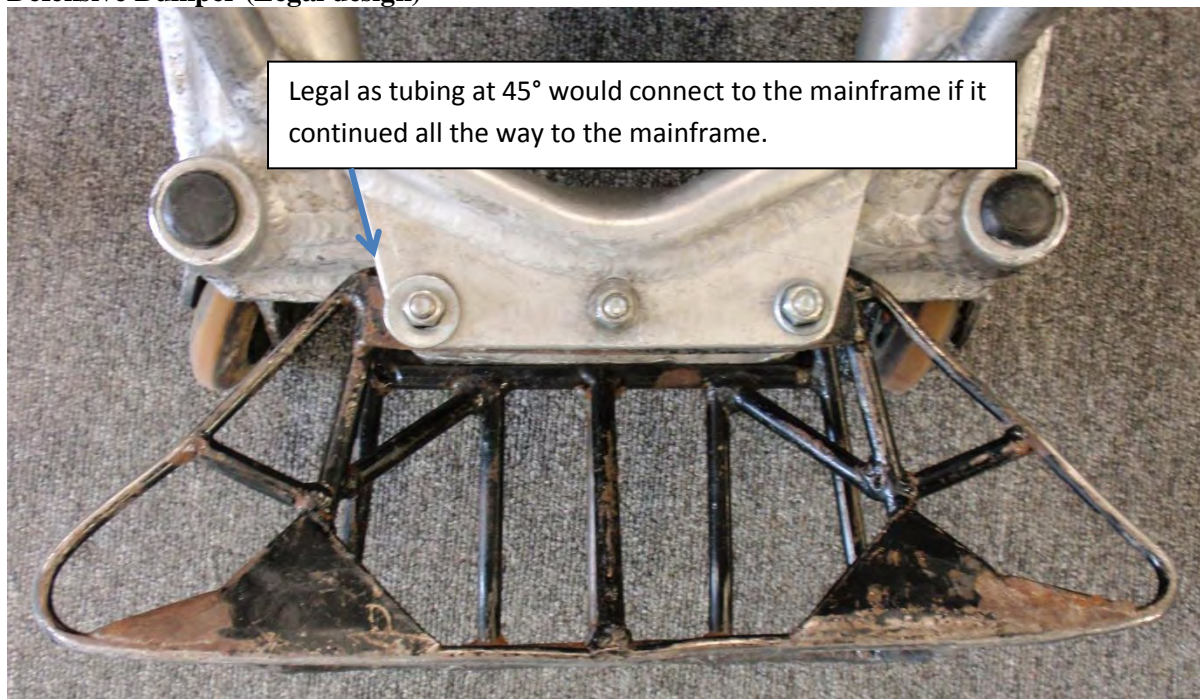
Defensive Bumper (Legal design)



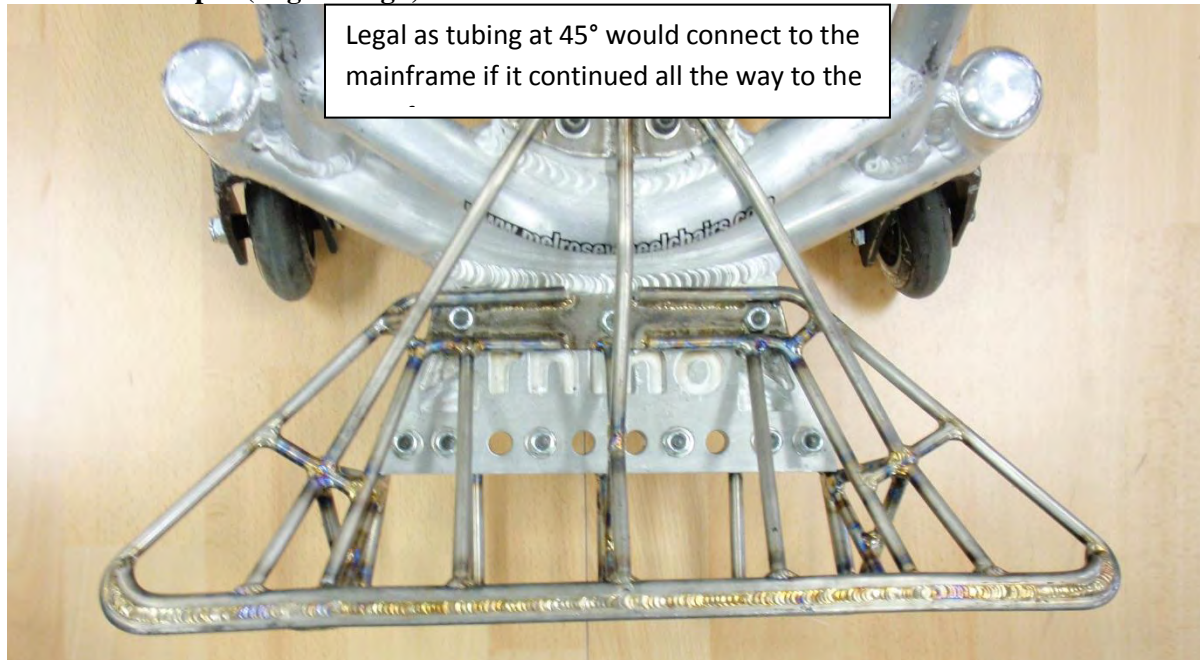
Defensive Bumper (Legal design)



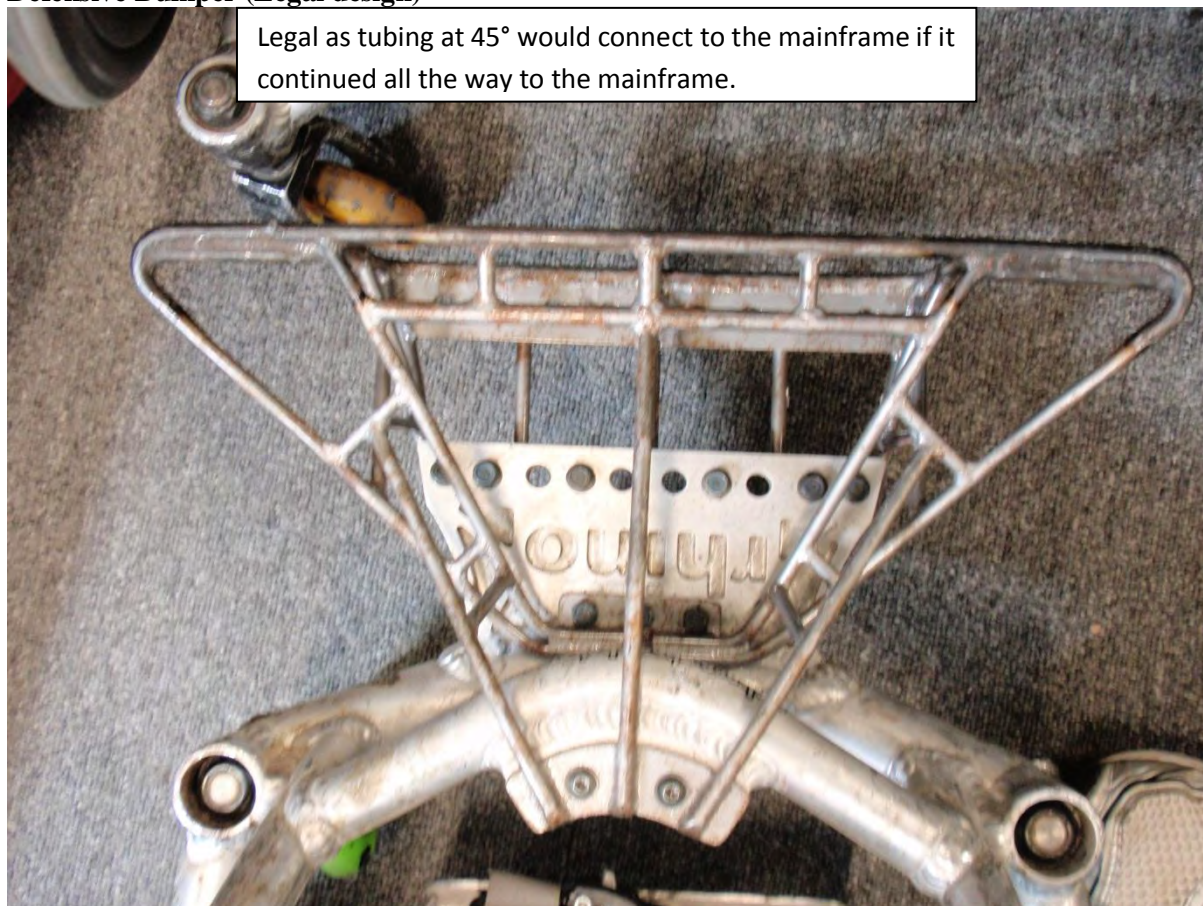
Defensive Bumper (Legal design)



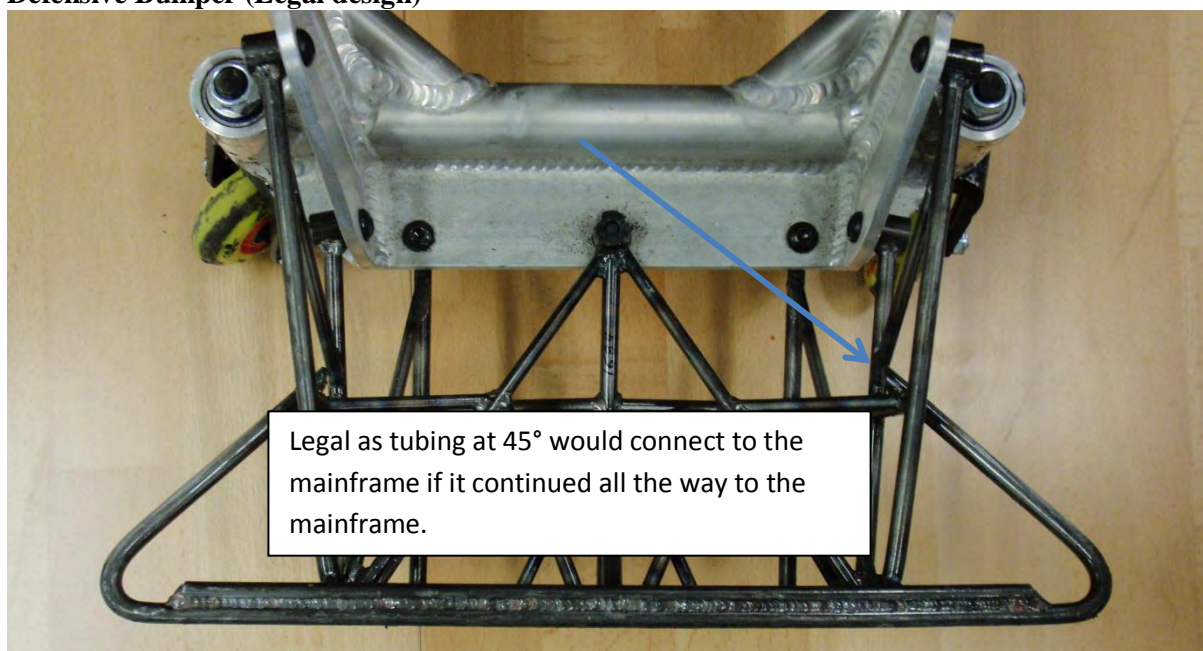
Defensive Bumper (Legal design)



Defensive Bumper (Legal design)



Defensive Bumper (Legal design)



Wing (Legal design)

