

CASM

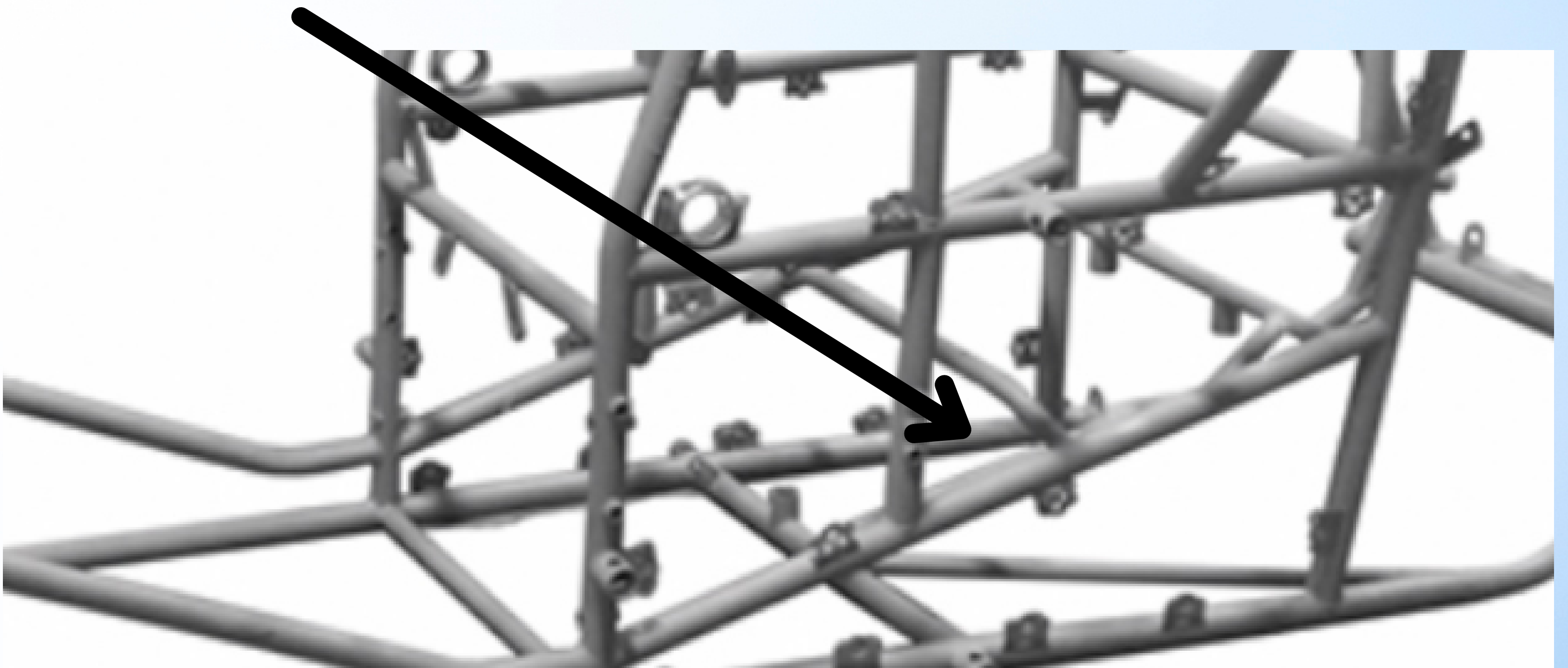
WELD ON INSTRUCTIONS



The CASM Weld in System is designed to replace the welded seat mount tube. These instructions are a discription as to how to install the system in a Sprint Car. Please take into account this system is fully adjustable so finding the correct angle needed is possible on every chassis.

STEP ONE

CUT SEAT TUBE AT CHASSIS SIDES (SAVE TUBE)



Each chassis will be slightly different as far as tube sizes for seat mount lower tube. We will address this diameter later in the Install.

STEP TWO

After removing the Seat Tube grind or sand the remaining tube welds of the chassis sides. this will be the most time consuming process in this Installation

STEP THREE

In order for the CASM System to work Correctly the Weld On Mounts Need to be Square with the Rear Torsion Rack. The very next step is to Zero out your angle finder on the rear rack



STEP FOUR

MOTORPLATE



17-3/4"

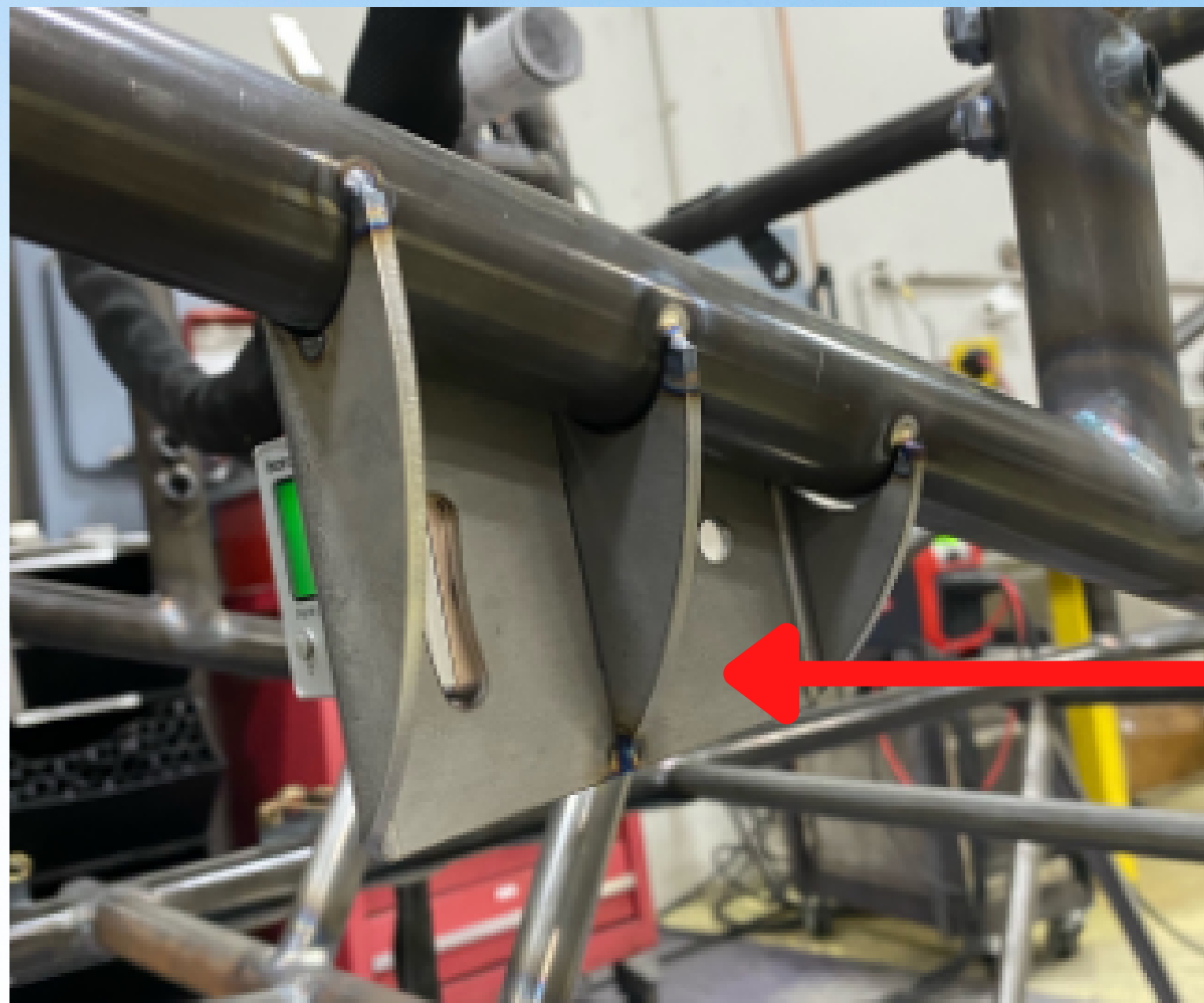


**Measure from the Back of the motorplate to the front of the side Weld On Brackets
(This measurement is on a stand 40" chassis)**

Before Tacking Bracket In Place the Sides of the Bracket Need to be Square with the Rear Torsoin Rack



STEP FIVE



**INSTALL CENTER
GUSSET ON BRACKET**

STEP SIX

To Finalize the bottom piston Mounts Install the Support bracket to the weld on brackets using 3/8" bolts. set the top of the Bracket at 10 Deg. Next is to install the Piston Assembly onto the support bracket, Please make sure to use the supplied O-Ring on the underside of the bracket between the Nut. This will prevent the nut from backing Off.

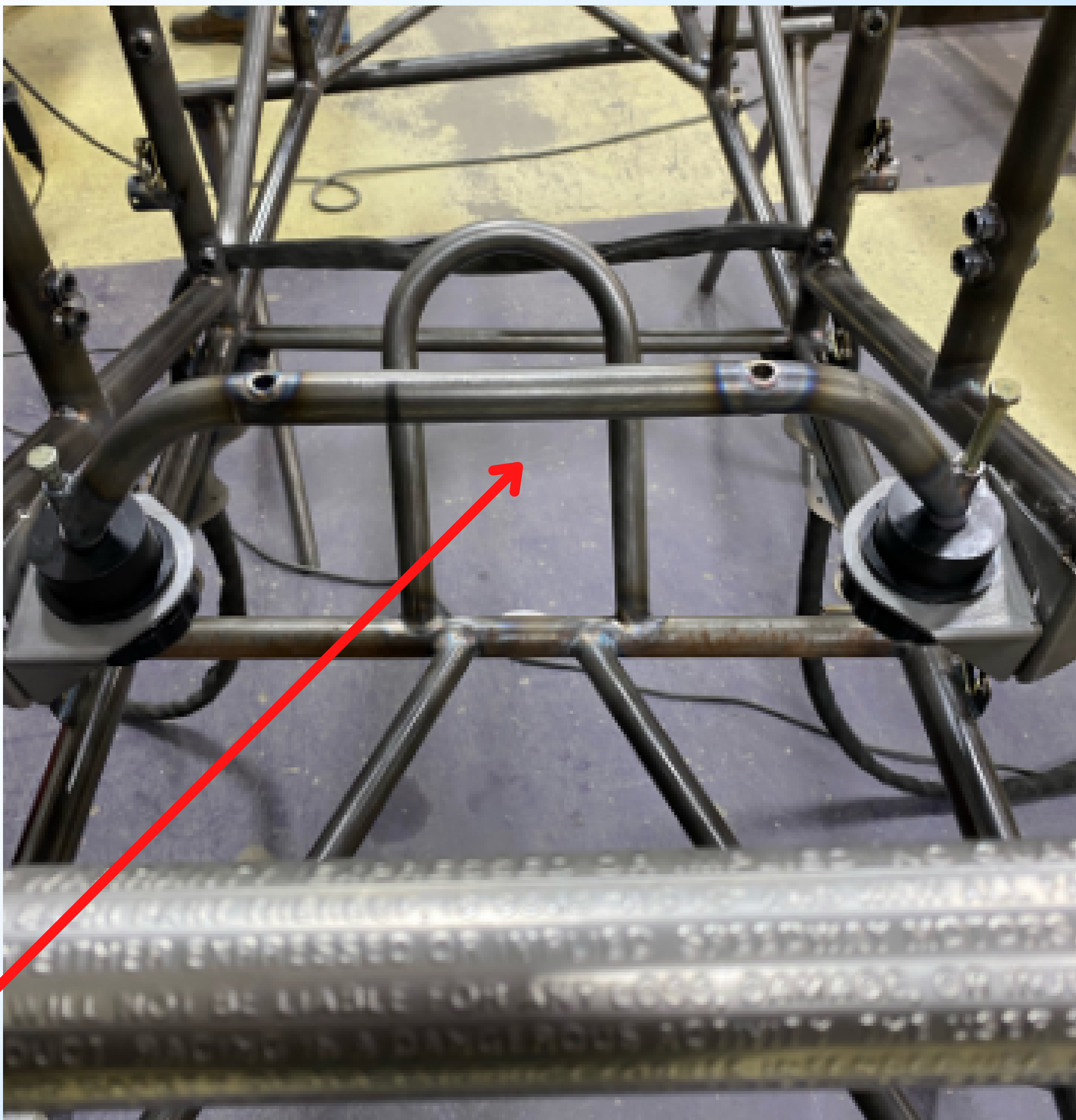
**Unassemble the
Piston Housing
from Packing and
reassemble
exact same on
bracket**



STEP SEVEN

In the final step of the lower mounts the Installer will need to determine the top of the seat Bar height wanted by the Driver?

Standard Seat Bar is Typically 10-1/4" top of bar from bottom frame rail. For this exact reason is why we do NOT Supply a seat cross tube. Every Driver is a different size and each chassis is a Different Width? We Recommend making a suitable Boss to sit on top of the piston Housing to notch your tube to fit. We will come back to seat bottom tube later on these instructions.



When completed the lower mount should look similar to this

REAR SLIDING MOUNTS



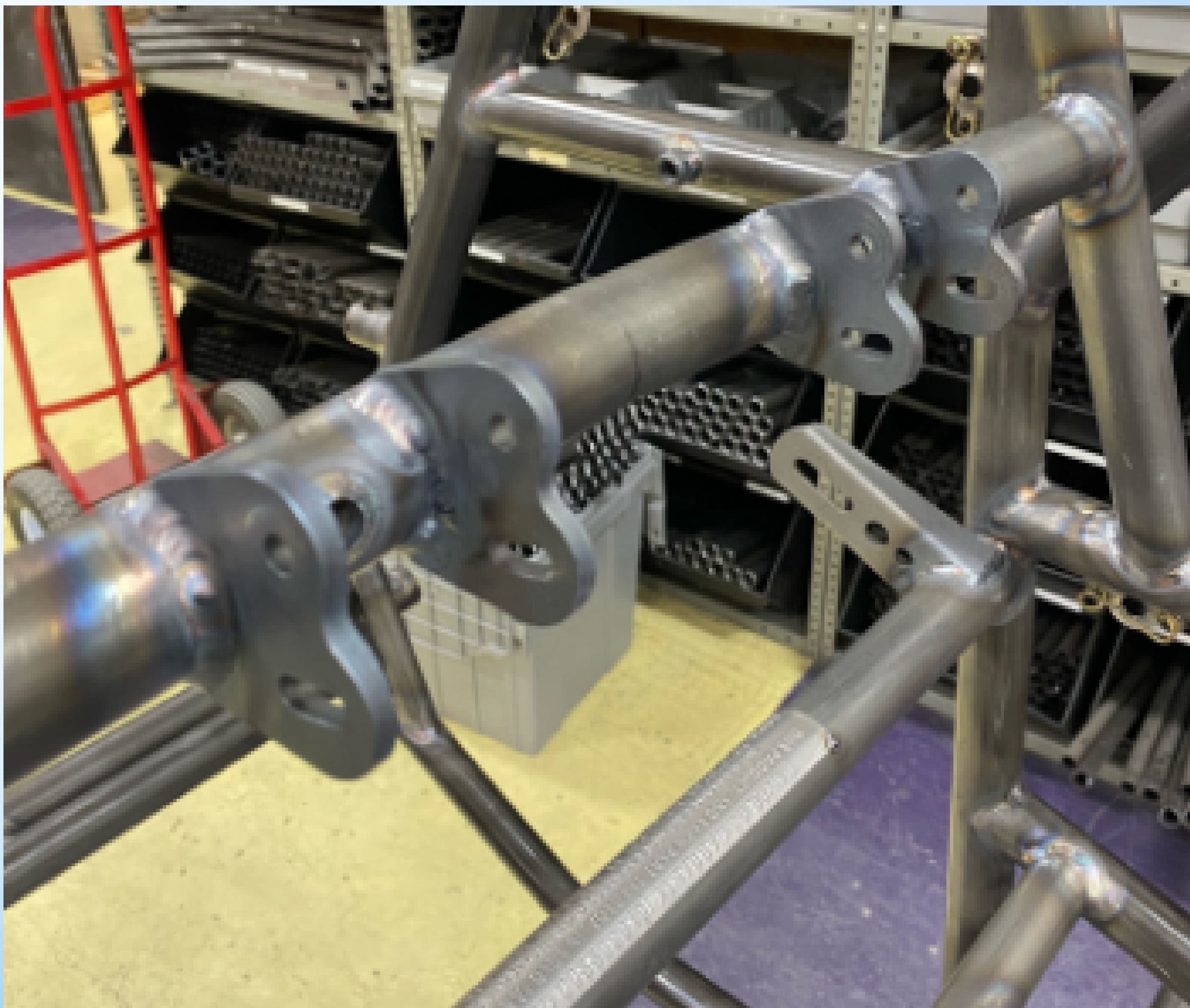
SUPPLIED BRACKETS

STEP EIGHT

Determine what the tube size is to weld the supplied bracket to, if you want to move the seat further back (notch the bracket as needed). After notching bolt the brackets to the rear slider. When positioning the rear brackets for attachment to the A Frame Seat Tube set the seat on top of the Lower seat cross tube, position the Gimbles on the rear slider over the center of the bolt bung in the tube. This should be very close to the standard seat reinforcement for the bolting application. It is very nice to use a couple small magnets to hold the brackets to the seat tube for welding.

STEP NINE

The rear slider brackets are designed with a rotation slot to make it easier for you to get the face of the Rear Slider and the Top of the Compression Pistons the Same Angle. Piston Top and Slide face have to be the same angle or Square to each other for this system to work Properly



STEP TEN

When welding is Complete Install rear sliders and set the angle to be square to the top of piston, or square to piston Bracket.

Tighten all bolts.

You will now set the seat in place mount your bottom bolts and then using the supplied transfer points in the gimbles mark you gimble hole and then drill all holes and mount your Seat.

With Foam out of Pistons slide seat up and down to determine if all angles are equal. If there is any bind? Adjust each Bracket as necessary until Seat moves Freely! Then tighten all Bolts and Install foam.

