

DIY Rear Trac Bar
Copyright - Dale K. Olson - Elgin, TX
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Heim joints, bar & jam nuts

Source - Motorsports of Kansas City - 913-334-0477

Contact - Brad Harrison

Parts - RH Poly Heim - 02088RH - \$13.99
LH Poly Heim - 02088LH - \$13.99
RH Jam Nut - 18260 - .99
LH Jam Nut - 18261 - .99
Bar - 421703C - \$13.99
Nuts/Bolts/Washers - Local - \$10.00
Red Loctite - Local Hardware - \$ 3.00
Silicone - Local Auto parts - \$ 2.00
Steel - A friends scrap pile - \$ 0.00

Notes:

- 1) The bar can be ordered by the inch.
- 2) The one listed is 17" plus about 3" for the 2 Heim joints makes the "eye" to "eye" about 20".
- 3) The bar should be mounted level and the coach should not be on the jacks when adjusting the Trac Bar length.
- 4) Add a washer to either side of the Heim joint for support.

Nuts/Bolts/Washers - Grade 8 or Better

If you use 3/8" steel you will need to replace all the nuts and bolts you take off, as they will be too short.

WARNING - *Be sure to check to see that you are replacing bolts with like kind. METRIC or SAE*

SAE

Rear End bolts - (3) 1/2"x13 - 2 1/2" long
Frame Bolts - (4) 1/2"x13 - 2 1/2" long
Trac Bar Ends - (2) 1/2 x13 - 1 3/4" long
Nuts - (6) 1/2x13 Locking nuts. They can either be a crush nut or a plastic insert type.
Washers - (?) 1/2" You may need them to shim the Trac Bar ends depending on how accurate you are at lining up everything and where you locate the Trac Bar mounting hole. *Be aware that the jam nut is wider than the Heim joint and needs to be tightened.*

Misc

Red Loctite thread locker.

Silicone sealer for the 3 rear end bolts (just a dab).

Steel

You will need either a piece of 3/8" mild steel to make the brackets.

Tools

Hand tools to remove and install various nuts and bolts.

Torque wrench to re-torque the rear end bolts.

Access to a cutting torch or a plasma cutter to cut the steel plate.

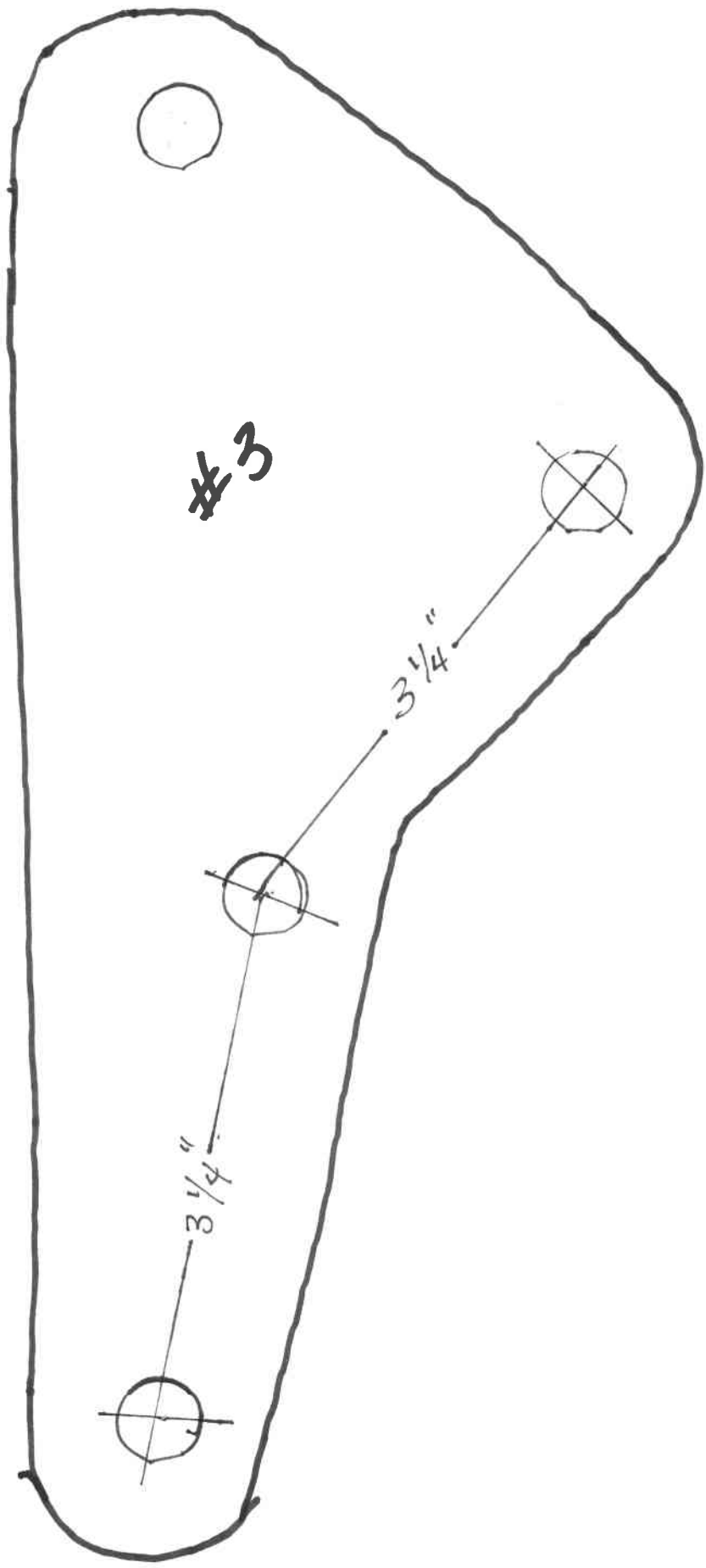
Bench grinder and hand grinder to clean steel and smooth things up.

Access to a drill press and 1/2" bit or larger. I used a smaller bit to drill a pilot hole.

Access to an arc welder

Impach wrench - Makes removing the Rear End Bolts easier.

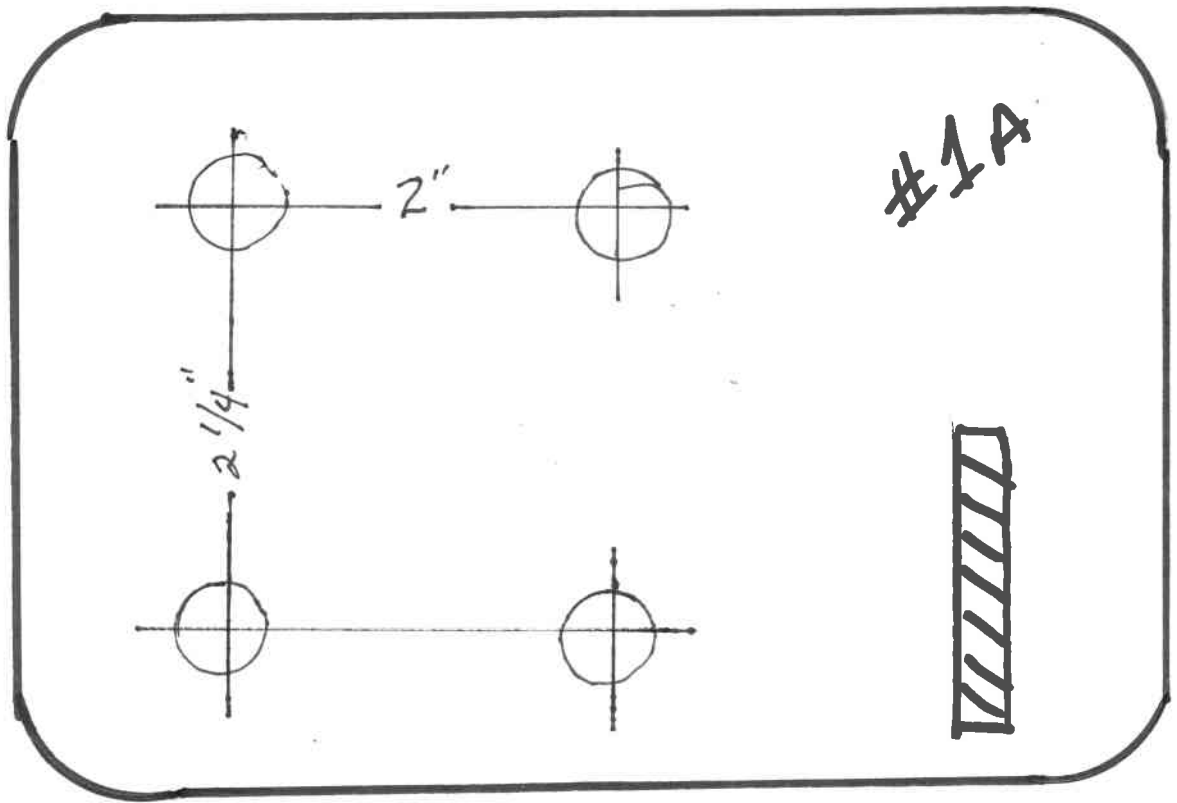
The patterns are setup for a **passengers side rear end** mount and a **drivers side frame mount**. I chose this setup because I didn't have to move any wiring, cables or hoses to move..



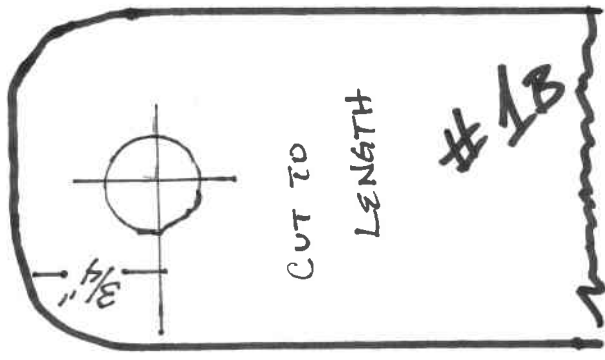
#3

$3\frac{1}{4}$ "

$3\frac{1}{4}$ "



#1A



CUT TO
LENGTH

#1B

