

Getting More Leg Room in a TR6

For some people, a couple more inches of space between the seat and the pedals than is possible with the standard seat would be a god-send. Here is a pictorial showing a method that has been around for a while, but since we were doing this simple modification to a TR6, we thought we would take a few snaps and share. Materials: 36" of 3/16" X 1 1/2" steel plate; 6 flathead countersink socket cap screws, 2 of them 1" long, the other 4 are 1/2".

Submitted by Larry Berg and Joe DeMuth



Removing front bolts ↑



Removing back bolts. ↑ Also note there are two holes in each rail. The outboard rail uses the front hole, the inboard rail uses the back hole. Don't ask me why.

Step 1.

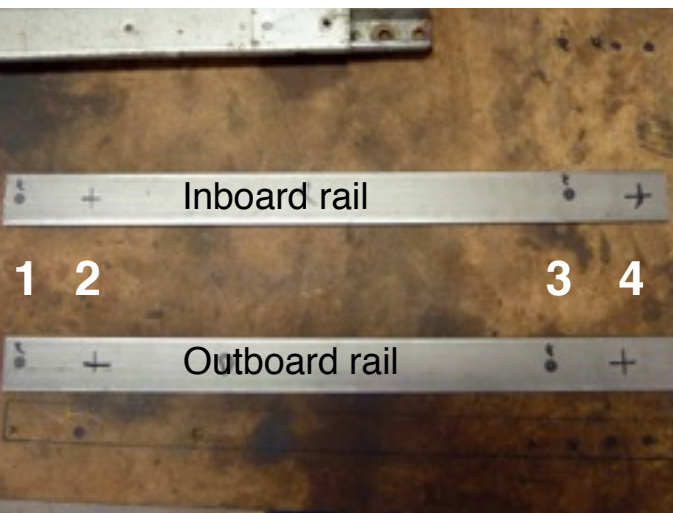
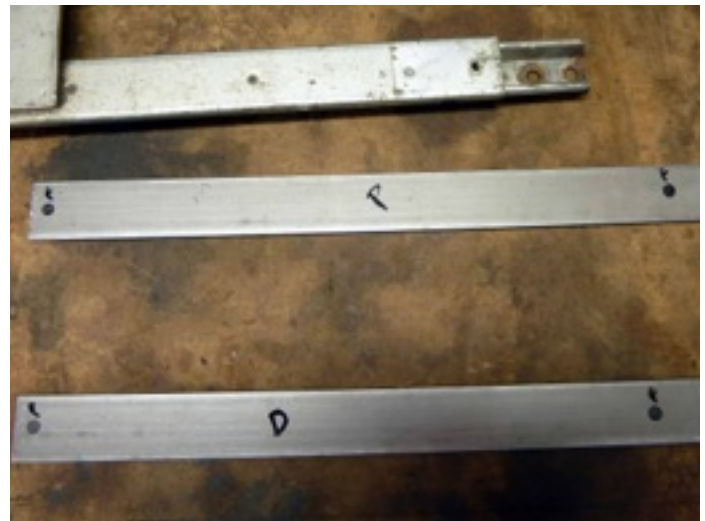
Remove the seat and rails as a unit. Then remove the seat from the rails, which is easier to do outside the car.

- Tilt the seat and remove the latch plates, sorry no picture.
- Remove the front bolts.
- Slide the seat forward to access the rear bolts and remove.



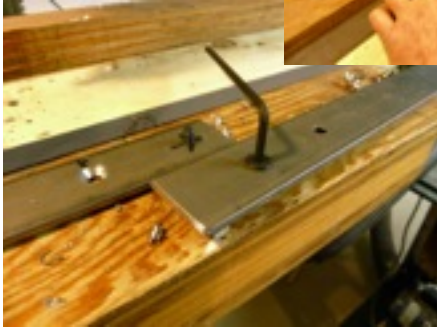
Step 2. ↑

Cut two 18" long pieces of steel plate.



Step 3.

- Lay out marks for floor mounting holes. The easiest way to this is transfer the holes from the seat rails to the plates using a magic marker. ↑
- Next measure two inches to the right of each mark. These holes mark the new position for the seat. ←
- Number holes 1-4, left to right.

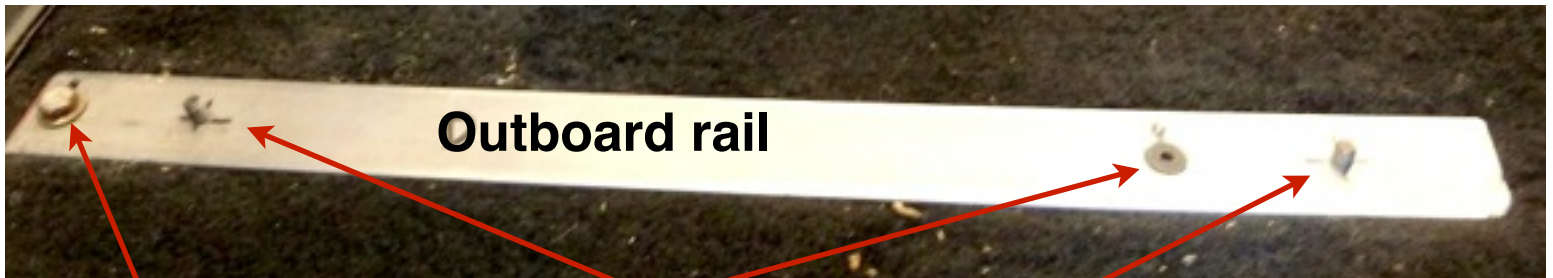


Step 4.

- Drill 5/16" holes at the 1 and 3 positions, drill #7 holes at the 2 and 4 positions in each plate. A drill press is nice but this could be done with a hand-held drill.
- Counter sink hole 3 on the top side of the plate for the 1" screw. Counter sink holes 2 and 4 on the bottom side being careful to stop the counter sink a bit before the full thickness of the plate
- Thread the bit of plate left in these two holes to accept the 1/2" screws. Or, if you have a welder, a tack weld holding the screw in place is a good alternative.
- Screw the 1/2" long screws into holes 2 and 4 in each piece from the bottom.

Step 5.

Mount the rails in the car. Use one of the original bolts up front.



Original mounting points

New rail position



Step 6.

- With the seat moved back, there is little room for the seat controls. The lever that controls the seat tilt can be made narrower by hack sawing off some of the back and front.
- The shaft for that lever can also be cut about 1/4" shorter.

Step 7.

- Mount the seats on the rails. There are two holes at the mounting point on the seat bottom. Use the back hole on the inboard seat side and the front hole on the outboard seat side. This will rotate the seat a bit so there is more room for the adjustment levers.
- Mount the seats in the car. Done.

