

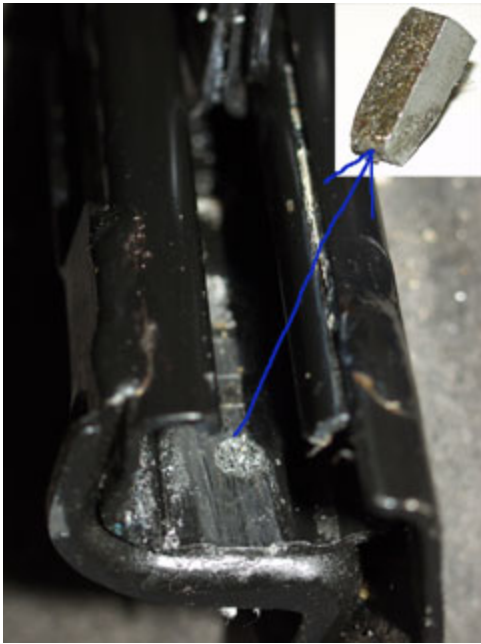
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DII Seat Modification

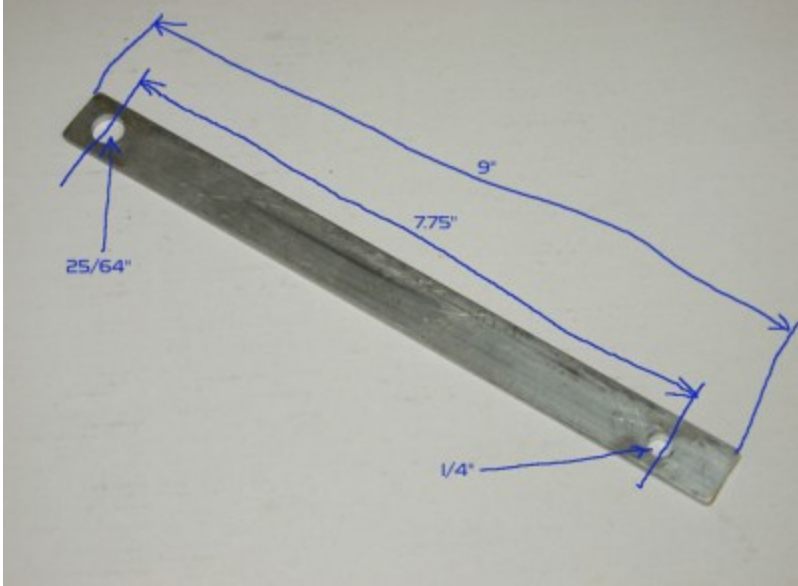
August 20th, 2006

Being 6'3" with long legs I have always felt a little cramped in the drivers seat of my DII. There are several long trips coming up for me and I decided it was time to look into modifying the driver seat base to allow for more travel.

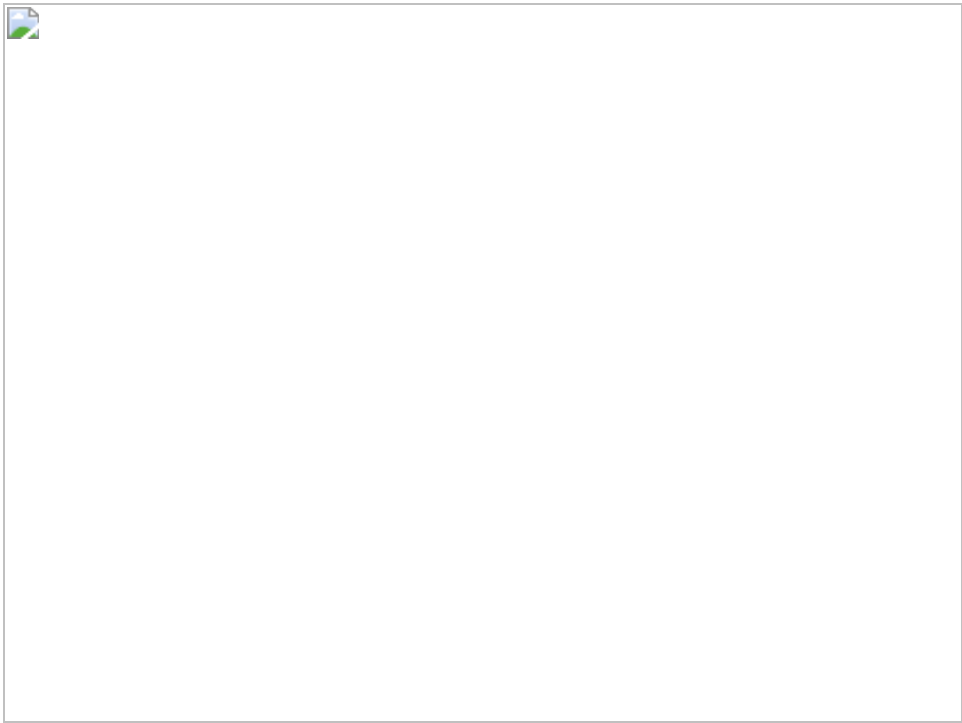
Looking at the motorized drive mechanism showed that it was at it's maximum travel, yet there was still room on the track for more travel towards the rear. The first obstacle was a metal stops located inside the tracks that were designed to limit seat travel. My Saber Saw with a metal cutting blade made for a quick removal of the metal piece from both tracks.



The next obstacle was the drive mechanism itself. The existing mounting locations restricted seat travel to the stock limits. By relocating the anchor points for the drive mechanism I could customize the travel to my needs. To test my concept I cut two 9" pieces of aluminum stock and made holes in one end to fit the drive mechanism's mounting bolt and a 1/4" hole at the other end to attach to an existing hole on the seat base.



I attached the bracket to the seat drive mechanism and to an unused hole in the seat frame with a 1/4" grade 8 bolt and lock nut. I used steel stock and grade 8 hardware for the finished modification as this bracket is holding the seat in place and should be as strong as practical.



Here you can see the position of the seat at it's original maximun travel location.



This is the seat at it's new maximum travel position after installing the two new brackets.



As you can see there is a drastic increase in the rearward travel of the seat allowing for ample leg room. In fact I can move the seat back to a point where I can just barely reach the pedals and steering wheel.

This modification took about an hour and required the following items.

2ea. 1" x 9" metal stock

2ea. 1/4-20 bolts with lock nuts

Hand Drill with 1/4" and 25/64" bits

#8 metric hex wrench

Sabre Saw with metal cutting blade

Disclaimer:

Please be aware that any modifications to your seat are done at your own risk and without any suggestion or recommendation from myself. This information is for reference only is not to be used as anything but that. This modification may effect the seats structural strength and will most likely void any warranty as it relates to seat failures. Use this information at your own risk.

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