

Low profile rear sliding drawer for your 4Runner

My intent was to photo and document the entire build process complete with measurements. As anyone who gets into building stuff knows, sometimes ya get in your groove and just go with it.

I measured the rear cargo area to determine how wide and deep to make it so that I could still use the rear (second row) seats.

The sides, front, and rear panels were made with 4" x 1/8" aluminum stock. The top and drawer bottom were made with 1/8" aluminum sheet. The drawer sides/front/top were attached using 2" angle aluminum (1/8" thick).

All holes can be drilled with a regular cordless drill, bar stock can be cut with a miter saw, and the sheet can be cut with a circular saw. Use WD-40 as lube to keep the aluminum from welding to the cutting surfaces. Wear appropriate safety gear and be smart. Get help if you are unsure.

The rail was attached to the side.

<http://www.ebay.com/itm/80-20-Inc-10-Series-1-x-1-Aluminum-Extrusion-Part-1010-x-36-Long-N-/220327655143?hash=item334c8d36e7>

The drawer slides on the sides using linear bearings.

<http://www.ebay.com/itm/8020-T-Slot-Aluminum-Linear-Bearing-10-S-6725-N-/370296847609?hash=item5637697cf9>

I also used the angle to support the drawer. So when it is pushed to the rear, it is supported.



The sides are bolted to the top and the drawer is connected to the sides using angle aluminum.



The front is attached with angle (as is all of the sides and any 90 degree connection).



The top is supported with 1/2" by 1" aluminum bar stock spaced approx 6-8".

The top was covered with the cheapest dense fabric I could find at the fabric store. The fabric was attached with construction adhesive. The fabric was sprayed with 3 (!) cans of bed liner to give a grippy surface.