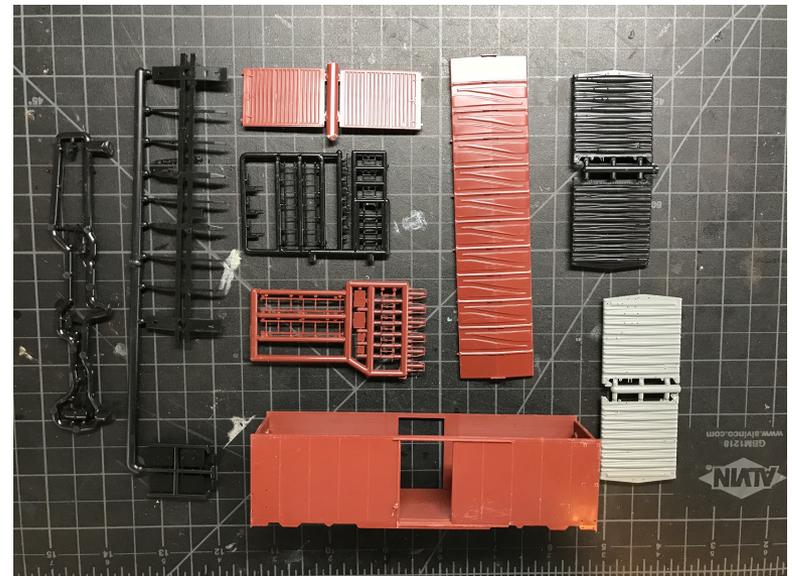


40' Kits available:

AAR: Branchline ( Atlas )  
C&BT Shops

PS: Intermountain  
Kadee



The only production HO model of a USRE car:  
Kadee's recent PS-1



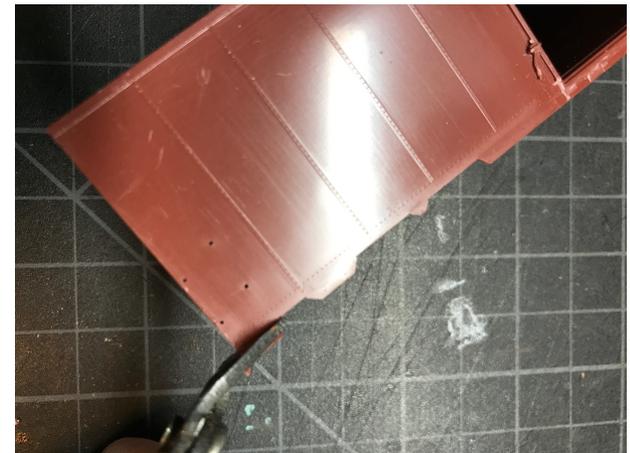
Use a chisel blade to remove lower door track and both sides of the door frame.



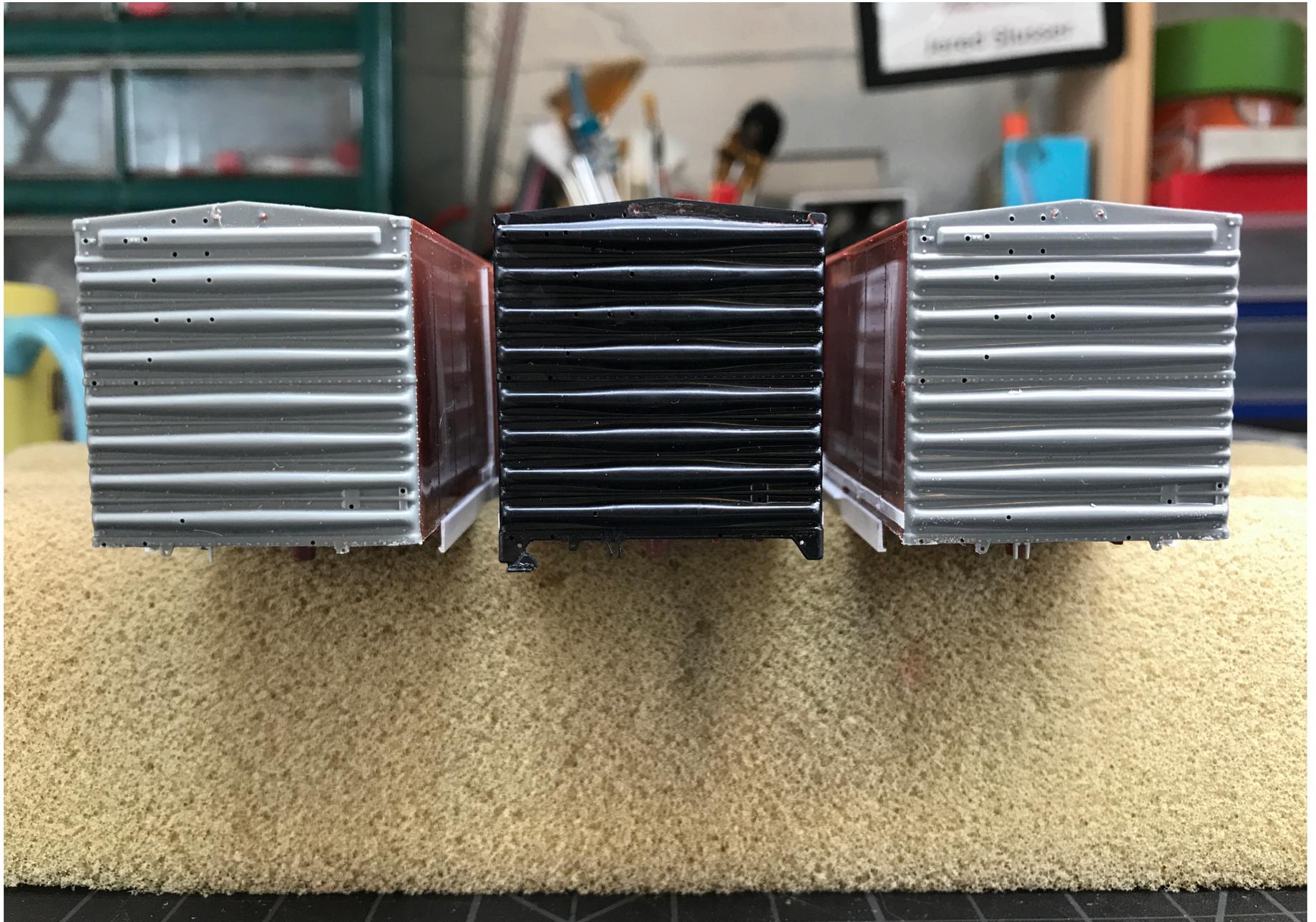
Also chisel away standoffs & holes for un-used ladder mounts.



Snip or chisel away sills *only at the corners!*



Ends of the 3 AAR cars



Fill in / Patch over the upper ladder mounts at the A-end of the car, and other mounts / holes that won't be used, and then sand smooth. Good fillers:

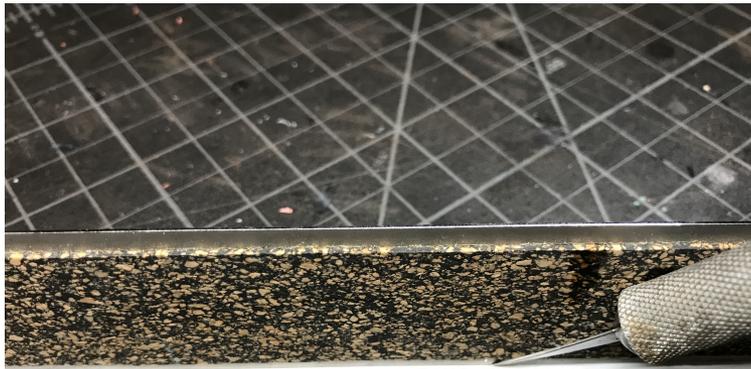
- Thick CA
- Bondo
- Styrene
- Tichy ¼" rivets!



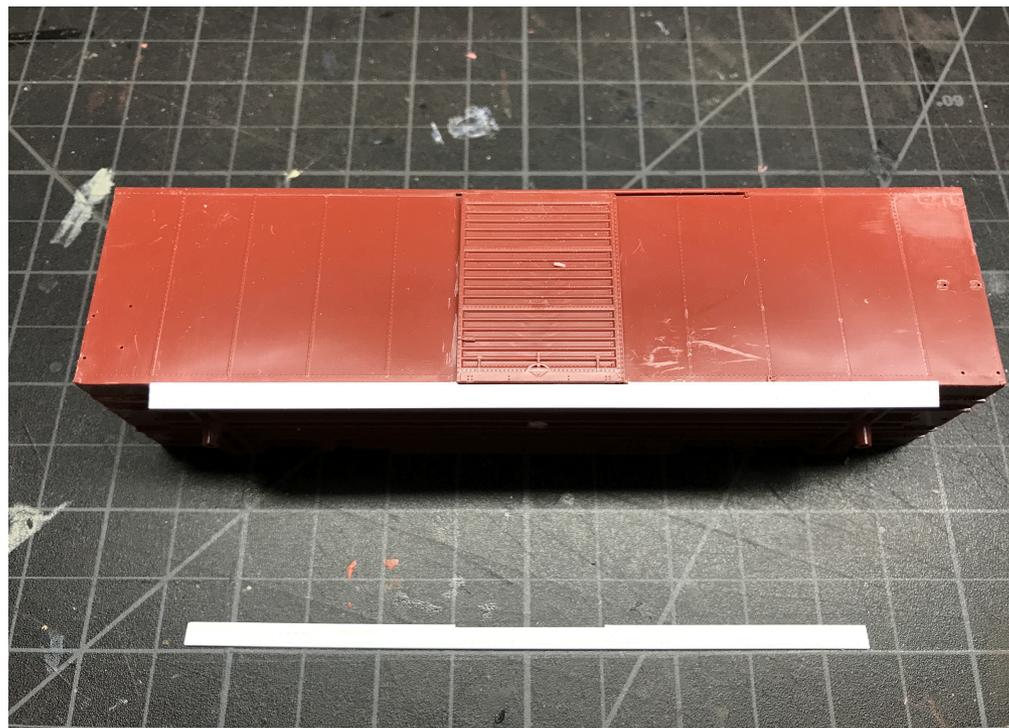
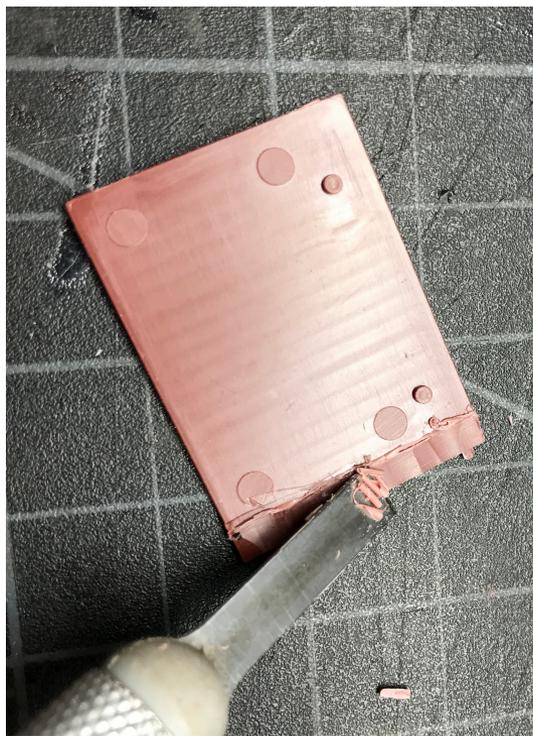
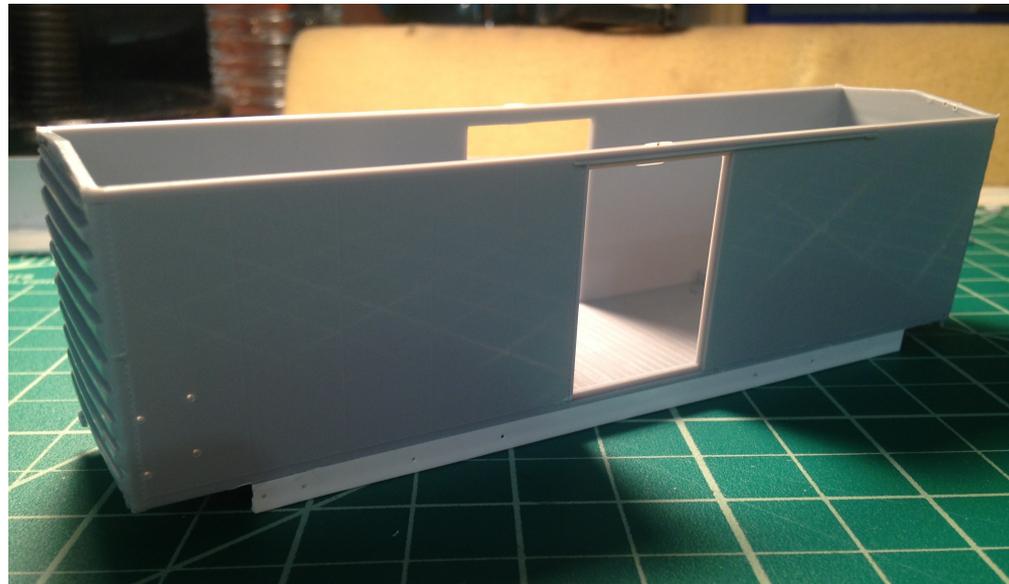
The sills are a key spotting feature to USRE rebuilds. The reinforcement added at the shop was not a flat piece of steel, rather it was an L-shape. How to make this in HO?

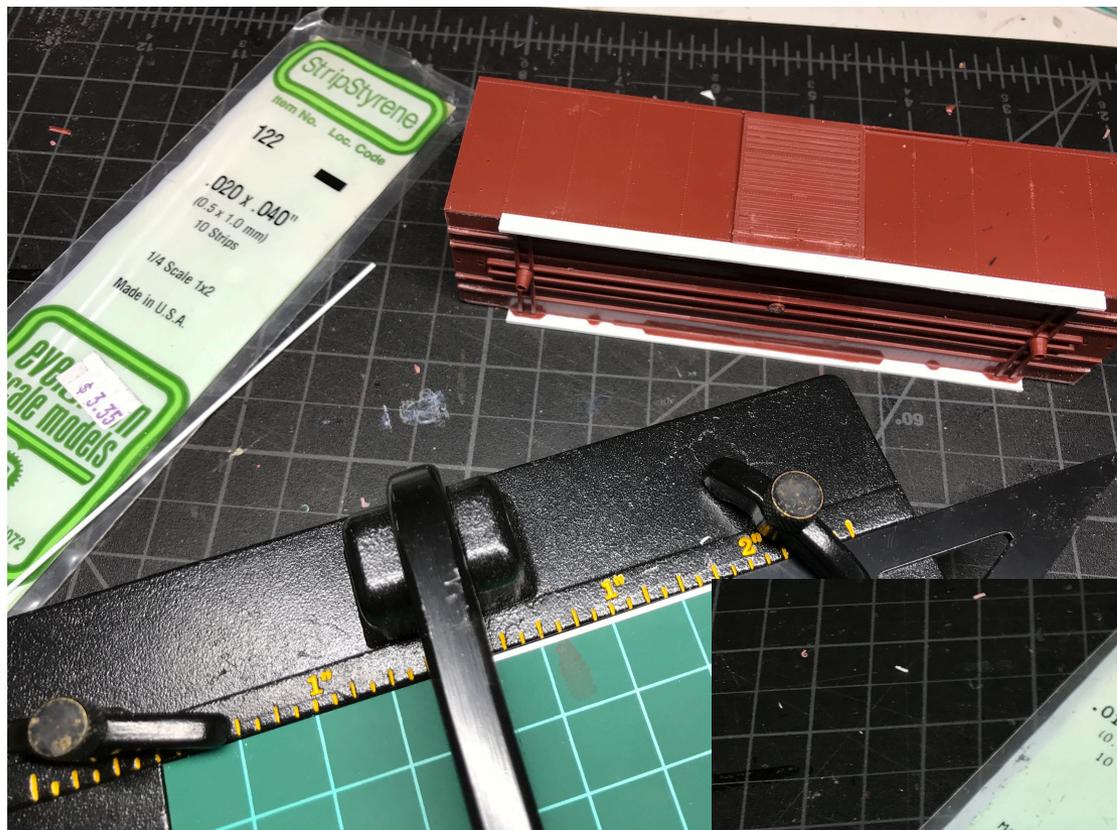


Set the edge of a steel straightedge inside the styrene angle and tape the outside of the two together



Snip off the corners, cut the sill to length, attach sill to car, undercut doors if necessary to fit over the new sill, or pre-cut notch to fit around door.





Use .015 x .020 styrene for the upper door tracks...

...then use .020 x .040 styrene strip for lower door tracks



The gussets & plates around the doors can be made from thin sheet brass, or .005 styrene

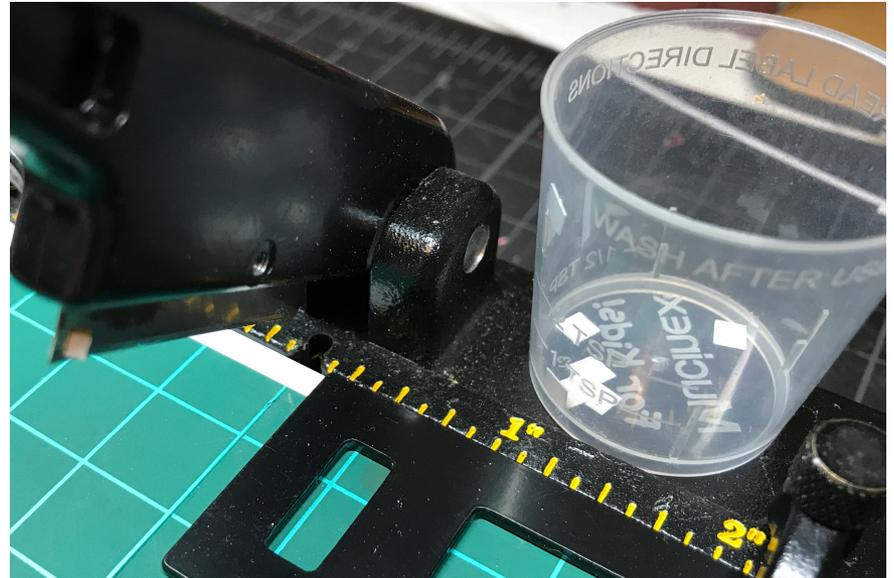


Gussets were similar, but patch & filler plates varied from car to car, even side to side





Styrene works best, and doesn't need to be perfect! To make the gussets, I use a "Chopper" for accurate angles and to make quick work of making numerous similar parts



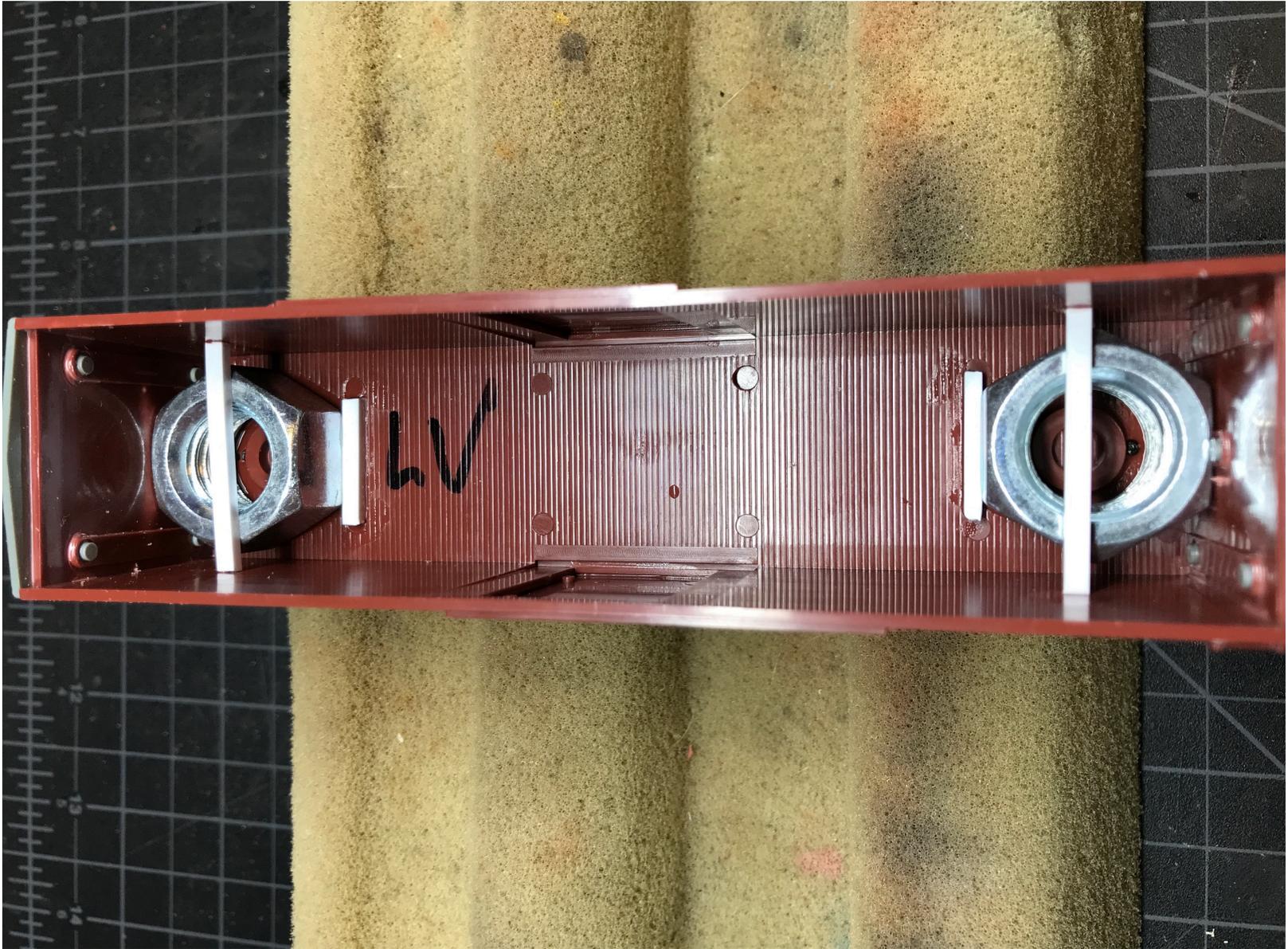


The underframe on the AAR models: Cut off the end of the underframe, scrape away the middle ribs on the underside of the carbody. Moloco DG-0415 is just a little bit too long, needs to be trimmed up, then drill and install to the underside of the body, then install the rest of the factory-supplied brake rigging





Cheap weights: Large nuts from the hardware store, purchased in bulk, just like the original Branchline kits!!



Side ladders are mounted on styrene standoffs to line up with reinforcement strips



Wire grab irons replace the lower plastic grabs supplied with the kit



The long grab bar across the ends was made from .010 phosphor bronze wire. Not an exact match for the prototype, but close enough. End ladders and brake equipment should match prototype photo.

