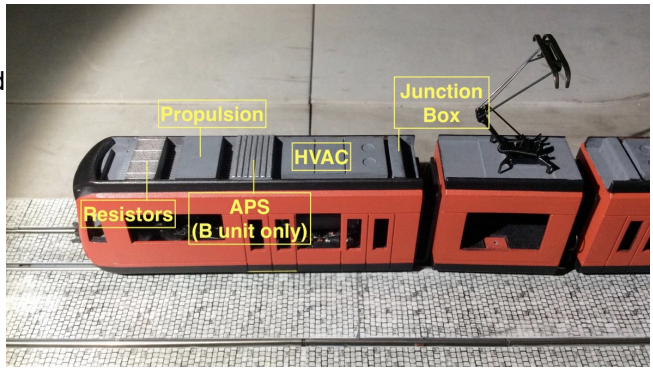
Instructions for the HO Scale S70 Ultrashort Light Rail Vehicle

Part Two: Instructions for mounting the car bodies

Note: We recommend that you both assemble and test the floors before mounting the car bodies

1. Examine the car bodies: The S70 is composed of three articulated sections, the end units 'A' and 'B' and the center unit 'C'. The 'A' and 'B' bodies are identical - except one additional roof container on the 'B' car just over the leading door.

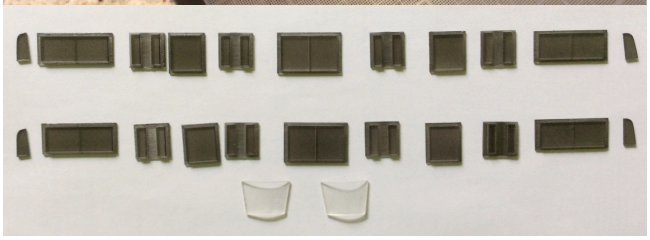


2. Thoroughly clean all 3 car bodies following the **Recommendations for Cleaning 3D Printed Models**

3. Carefully paint the car bodies following your favorite paint scheme. (See **Recommendations for Painting 3D Printed Models** for more information)

Note 1: We recommend to paint the entire car bodies before mounting the glassing. If you want to decal the cars, we recommend also to finish the lettering before mounting the glasses – except the destinations signs applied on the windows

4. Mounting the glasses
First, examine the glasses provided as part of the additional 'Finishing Kit' (see the **Part List**). As on the prototype, all side glasses are tinted.

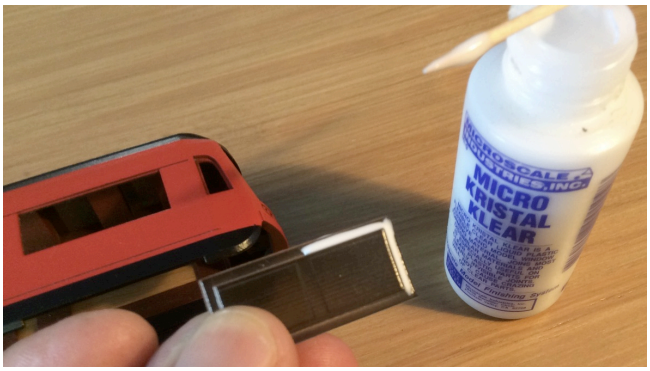


The glasses of the passenger section have recessed frames and are to be glued from behind the car body.

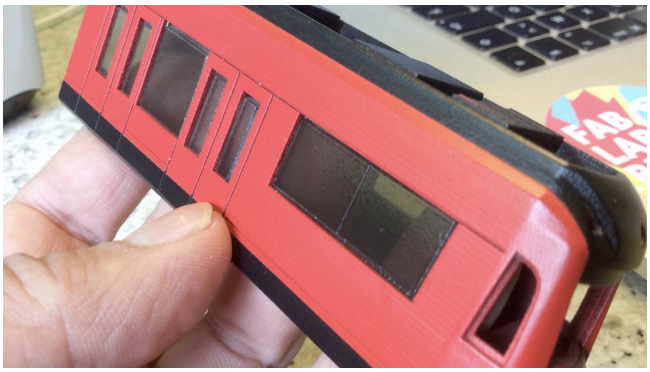
The Windshield and the small rounded side windows of the cabin are to be glued from outside.

5. We recommend Microscale “Micro Kristal Klear' transparent glue

6. Start with the passenger section windows. With a toothpick, apply some glue around the recessed frame and stick the first window. If much excessive glue comes out of the window seal, sponge with a damp sponge ... and apply less next time.



7. Let dry, and continue with the next window on the same side. Check the alignment, the windows have some play and can easily be aligned. Finish one side before starting the opposite range.



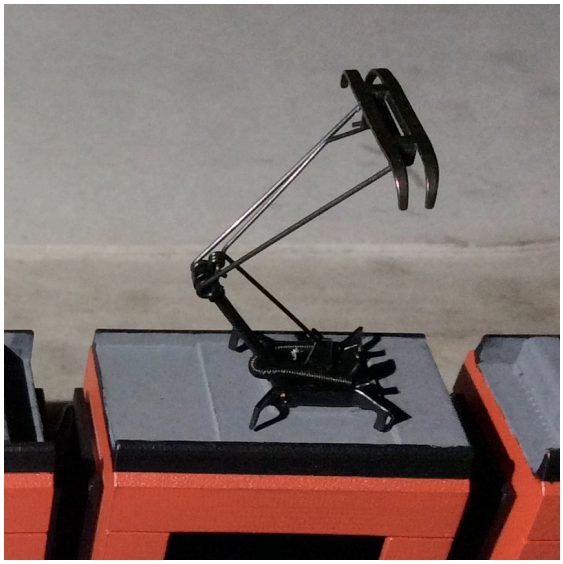
8. Test the fitting of the outside mounted cabin side windows. The cabin side windows normally fit with a little pressure, and fix them applying a small amount of 'Kristal Klear' from behind with a toothpick. The glue will dry transparently.

9. Test the fitting of the windshield. If is not enough or too much round, bend it carefully.
Verify that the upper part of the frame, the place of the destination sign, is painted black

10. Apply a small amount of glue on the car body around the windshield frame. *Less is almost better!* Insert the windshield, it holds in place with few glue. Excessive glue will dry transparently.

If the glassing is finished, you can now apply the destination signs.

11. If using a functional pantograph, you have now to connect a wire to the metal screw provided by Sommerfeldt. The best way is using a brass washer with a solder tab. (When using the dummy pantograph, plug it only in the end after the following steps.)



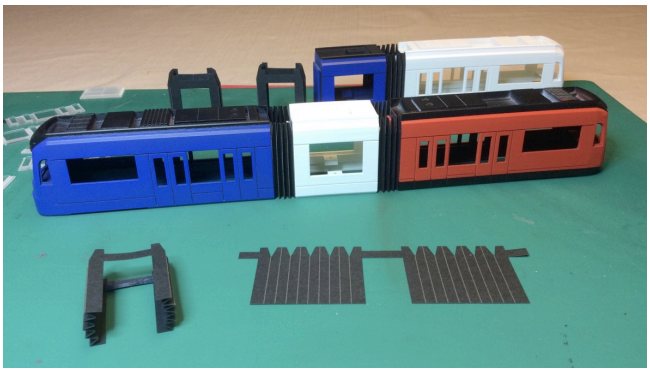
12. Mounting the finished bodies on the floors: Start with gliding all three sections carefully over the floors, than return the assembly. The sections are fixed with M1.6x6 countersunk head screws. Attach the 'C' section first with two screws. Then the 'A' and 'B' sections with three screws.

Take care that the coupler didn't touch the head of the front fixing screw . Return the whole assembly and test it on tracks.

13. If using the dummy pantograph, plug it now into the roof of the 'C' unit; fix with some 'Kristal Klear' if it stay loose.

14. Mounting the paper bellows:
The bellows glide from above into the L-shaped profiles of the articulation ends. Push them down carefully, perhaps helping with a toothpick in the center part.

Note: The protype S70 is geared for a minimum radius of 25 Meter / 82 ft, this is 287 mm / 11.3" in HO scale. Meanwhile, this model is tested with curves down to 214 mm / 8.4"



Your S70 is now achieved. Have pleasure with this model, and don't hesitate give us feedback. Photos of your finished cars are always appreciated