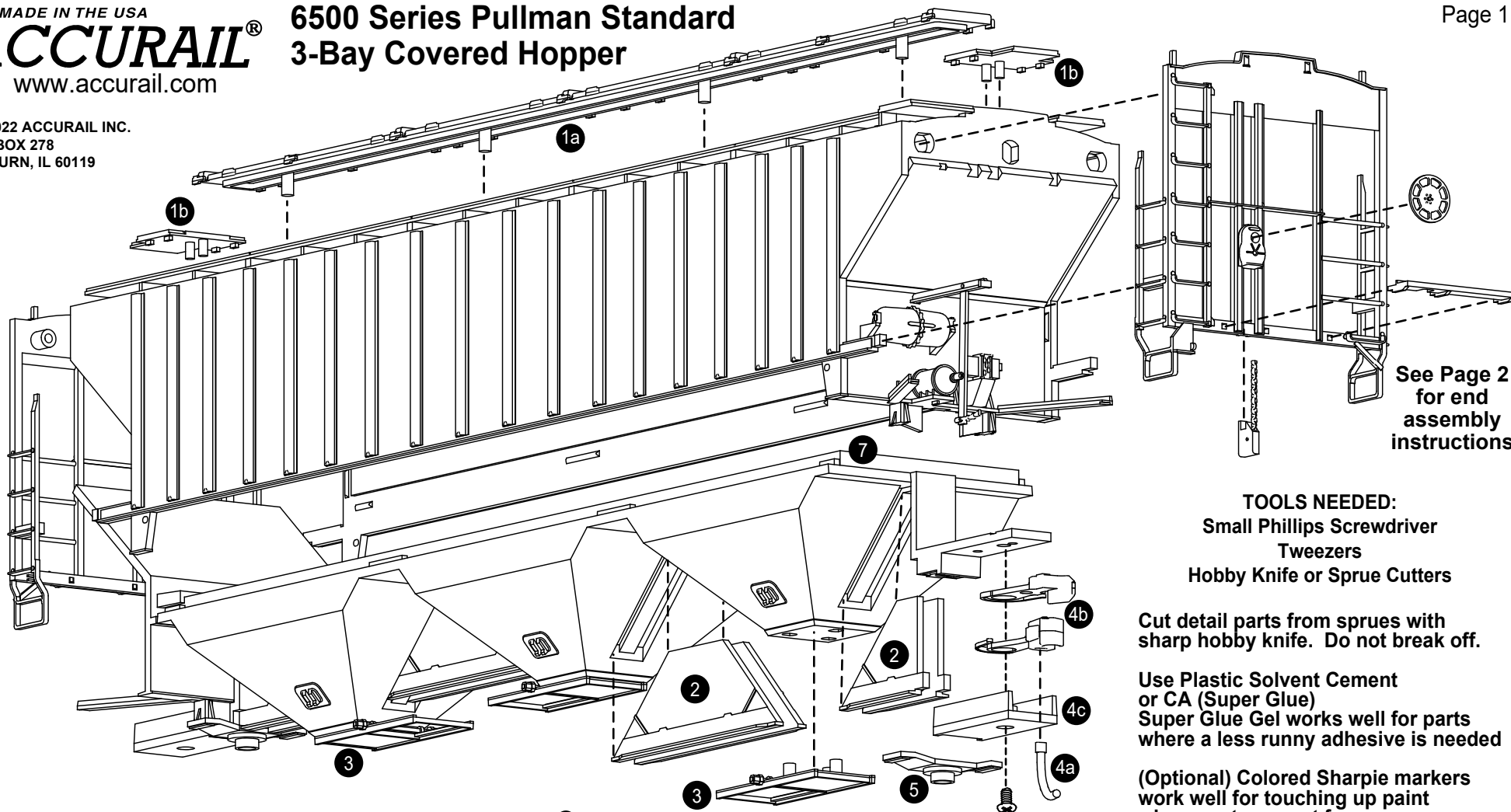


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See Page 2
 for end
 assembly
 instructions

TOOLS NEEDED:
 Small Phillips Screwdriver
 Tweezers
 Hobby Knife or Sprue Cutters

Cut detail parts from sprues with sharp hobby knife. Do not break off.

Use Plastic Solvent Cement or CA (Super Glue)
 Super Glue Gel works well for parts where a less runny adhesive is needed

(Optional) Colored Sharpie markers work well for touching up paint where parts are cut from sprues

- 1) Trim excess sprue material from underside of Roof Hatch. **1a** Then cement Roof Hatch with hinged side oriented as shown. Glue Walkway Ends **1b** onto car body.
- 2) Install and cement all 8 Center Sill sections **2** into Underframe.
- 3) Trim knockout pins from Outlet Gates **3** and cement into Underframe.
- 4) Install Trip Pins **4a** into Couplers **4b** and assemble into Coupler Boxes **4c** Install onto Underframe with provided screws. Do not overtighten. If the fit is too tight, gently scrape paint from the insides of coupler boxes with a hobby knife.
- 5) Cement Bolster Plates **5** onto Underframe. Ensure that they are sitting flush and that the holes are properly centered.
- 6) Insert Wheels into Truck Side Frames (not shown) then screw Trucks onto Bolster Plates. Do not overtighten.
- 7) Clean one side of the Steel Weight and affix to inside of Underframe with CA or thin double-sided tape. Do not use solvent-based adhesive for this step.

6500 SERIES Pullman Standard 3-Bay Covered Hopper

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- 8) Install Air Reservoir **8a** and Triple Valve **8b** into the keyed holes in Slope Sheet.
- 9) Install Slope Sheets into Car Body but do not glue yet. Test fit End Frames to ensure a clean seam between End Frames and Slope Sheets. End frame with Brake Wheel must be matched with the Slope Sheet containing Brake Equipment. Once a proper fit has been assured, cement Slope Sheets (only) into place. Do not cement End Frames yet. Remove End Frames when cement is dry.
- 10) Cement Brake Cylinder/Lever **10a** onto End Brace **10b** with keyed mounting platform, making sure that the Cylinder and Lever are oriented correctly.
- 11) Place the end of the Brake Lever **11a** into mounting hole in Slope Sheet End. **11b**
 If necessary, lightly sand or trim the end to allow for an easier fit, then position the End Brace **11c** (flat side facing down) into notched guides **11d** on bottom of Slope Sheet. Cement into place, then repeat with non-brake equipment end.
- 12) Install Floor Assembly into Car Body until it snaps into place at the notched guides inside the Car Body. Apply glue sparingly to cement into place.
- 13) Cement or CA the Brake Wheel **13** into mounting hole in End Frame
- 14) Holding the Chain Fulcrum **14** with tweezers or small needle-nose pliers, place a small drop of glue in the notch in the Fulcrum. Install Chain Fulcrum onto the End Frame containing the Brake Wheel by fitting the Fulcrum's notch over End Frame's bottom crossmember. Chain should rest against bottom center of Brake Wheel housing.
- 15) Install the Crossover Platform **15** with the notch into the End Frame containing the Brake Wheel. Repeat with other Crossover Platform (no notch) and End Frame (no Brake Wheel). CA or Super Glue Gel is recommended for affixing these parts.
- 16) Place a small drop or two of CA or Super Glue Gel on the top of the car ends **16a** and on the Side-Sill Extensions **16b**. Install the End Frames, ensuring that the end with the brake wheel is mounted on the end with the brake equipment. Ensure that the tabs on the ends of the End Braces **16c** fit into the matching notches on the End Frames.

