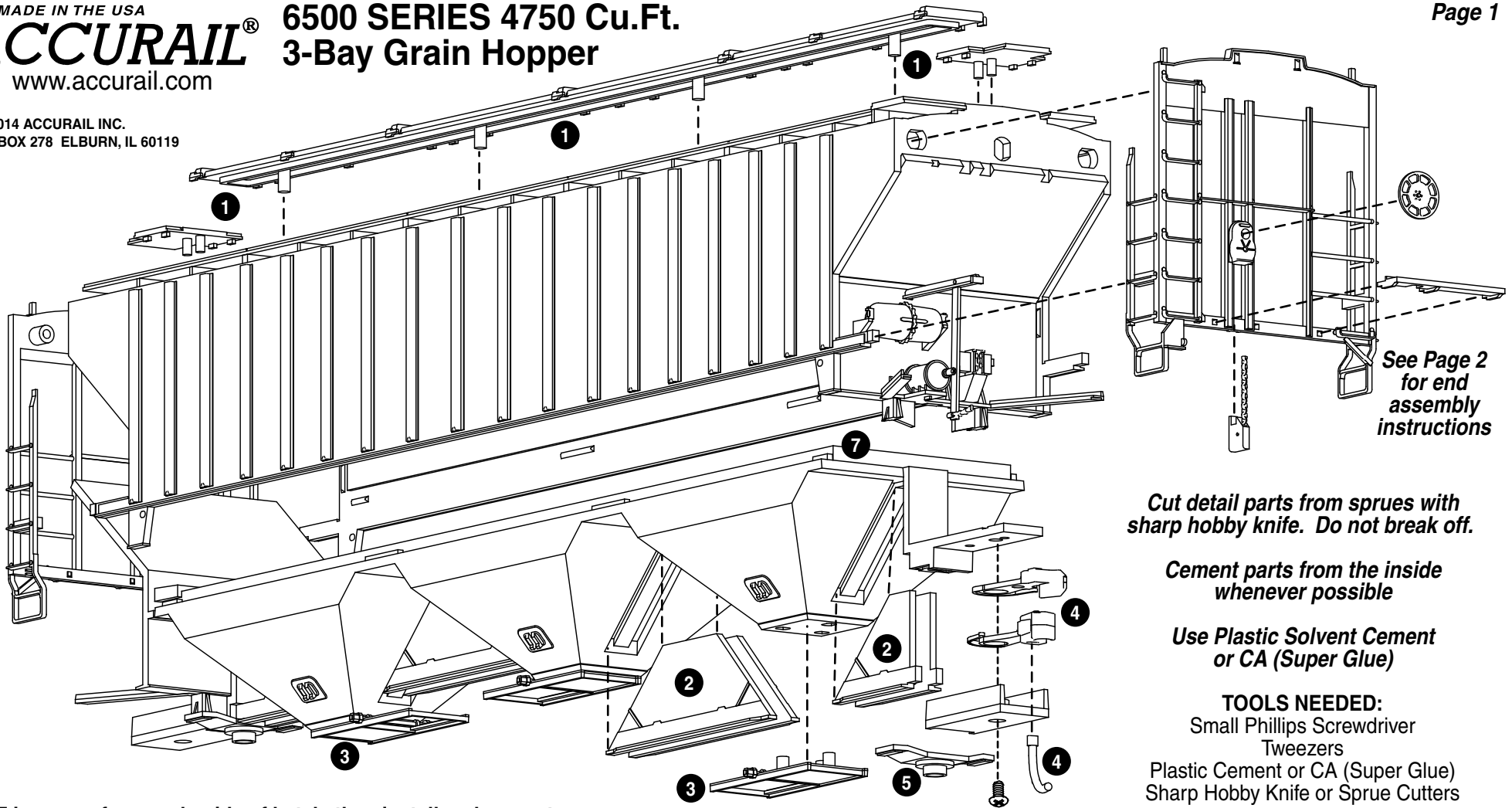


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See Page 2
 for end
 assembly
 instructions

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

Cement parts from the inside whenever possible

Use Plastic Solvent Cement or CA (Super Glue)

TOOLS NEEDED:
 Small Phillips Screwdriver
 Tweezers
 Plastic Cement or CA (Super Glue)
 Sharp Hobby Knife or Sprue Cutters

- 1** Trim sprue from underside of hatch, then install and cement Roof Hatches and Walkway Ends onto car body.
- 2** Install and cement Center Sill sections (8 pcs.) into Underframe
- 3** Trim knockout pins from Outlet Gates (3 pcs.) and cement into Underframe
- 4** Install Trip Pins into Couplers and assemble Couplers into Coupler Boxes. Install onto Underframe with provided screws. Do not overtighten.

- 5** Cement Bolster Plates 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.*

- 8 Install Triple Valve and Air Reservoir 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 onto End Brace with keyed mounting platform, making sure that the Cylinder and Lever are oriented correctly.
- 11 Place the end of the Brake Lever into mounting hole in Slope Sheet End. If necessary, sand the end lightly to allow for an easier fit, then position End Brace into notched guides 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 Car Body.

***STEPS 13-16 - END FRAMES ARE DELICATE - HANDLE WITH CARE**

- 13 Cement or CA the Brake Wheel into mounting hole in End Frame
- 14 Holding the Chain Fulcrum 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 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 is recommended for affixing these parts.
- 16 Placing a small drop of cement on the Side-Sill Extensions, 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 fit into the matching notches on the End Frames.

