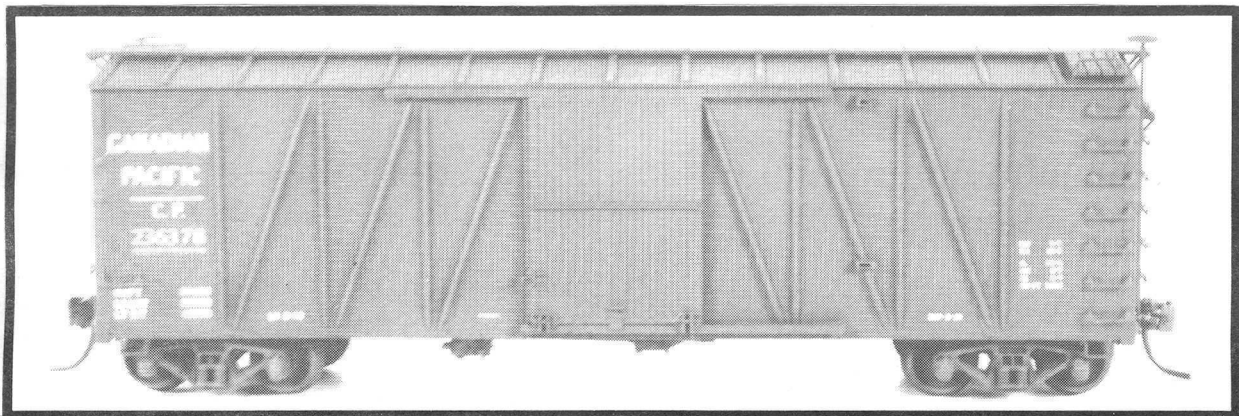
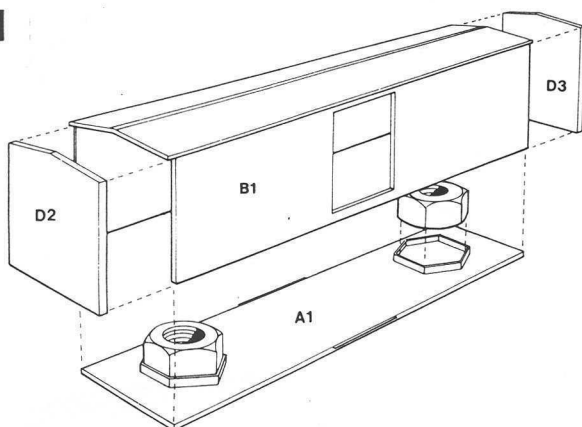


KIT 4034D CANADIAN PACIFIC USRA CLONE



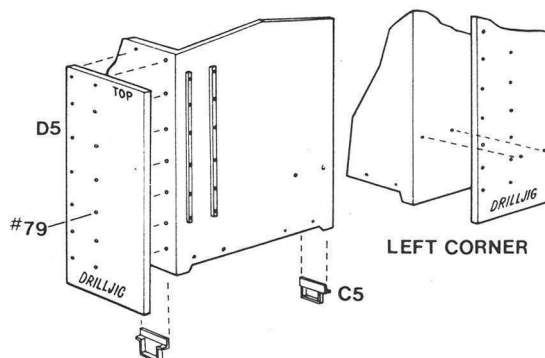
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PRELIMINARY ASSEMBLY

- 1) Trim sprue on carbody roof.
- 2) Remove **FLOOR A-1** from sprue, clean up gates, smooth edges with a flat file.
- 3) Test fit floor into **CARBODY** — trim ends of extended scribed portion of floor to fit door opening if necessary.
- 4) When all fits well, remove floor. Cement **HEX-NUT WEIGHTS** in place with ACC cement. Set floor aside — do not cement into body at this time.
- 5) Remove **ENDS D-2** and **D-3** from sprue, carefully scrape or file draft angle from top edges to allow tight fit under roof. For added realism, slightly round outside corners of ends with a modelers knife. Do not round poling pockets.
- 6) Drill grabiron holes in ends #79. (.0145).
- 7) Cement one end to carbody (careful with those little tabs!) Hold until cement has set.
- 8) Cement other end in place.
- 9) Cement small diagonal tabs tight against ends with a tiny drop of cement and a blunt pointed tool.

Note: Be careful not to damage small diagonal tabs on ends when handling carbody molding.



- 10) Trim doorstops at a 45° angle if desired for a better appearance.

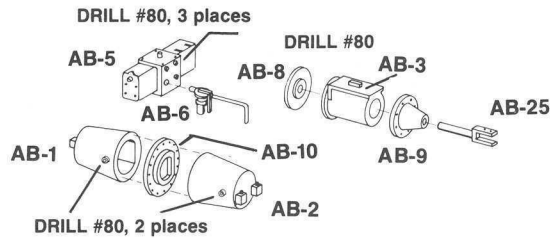
CARBODY

- 1) With floor on edge, test fit again for length, file as necessary.
- 2) Note "B" end — it is engraved on inside of end with four small holes to locate brake platform.
- 3) Note "B" end of underframe — it is engraved between the grooves that locate the centersills.
- 4) Orient B end of underframe and B end of carbody — gently spread door area of carbody and insert floor. When located, cement in place, making sure carbody is tight against floor.
- 5) Drill #79 (.0145) through spotted locations on **DRILL JIG D-5**.
- 6) Place drill jig against side, locating rib against end, with "top" tight under roof overhang. Spot drill #79 to establish location, remove jig, then drill through or to about 3/32" deep. Don't forget the two holes located on the left side of car.

2 BRAKE COMPONENTS

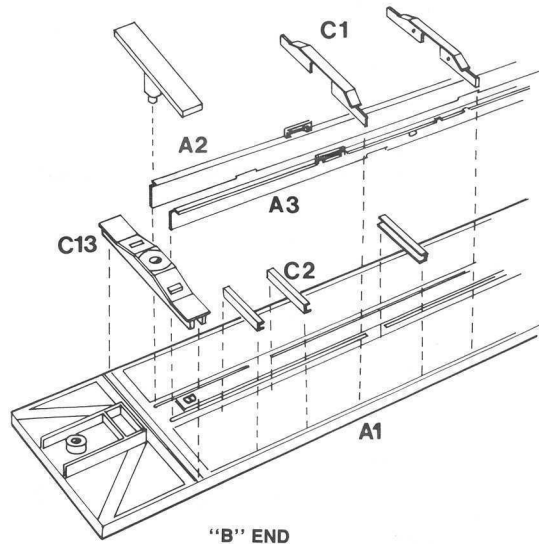
The AB brake sprue contains parts that will not be used for this kit, but are useful for other projects. Carefully identify the appropriate parts from the drawing — the various special brackets are included on the centersill sprue.

- 1) Assemble RESERVOIR and BRAKE CYLINDER
- 2) Drill #80 as noted. Set parts aside . . .



3 UNDERFRAME ASSEMBLY

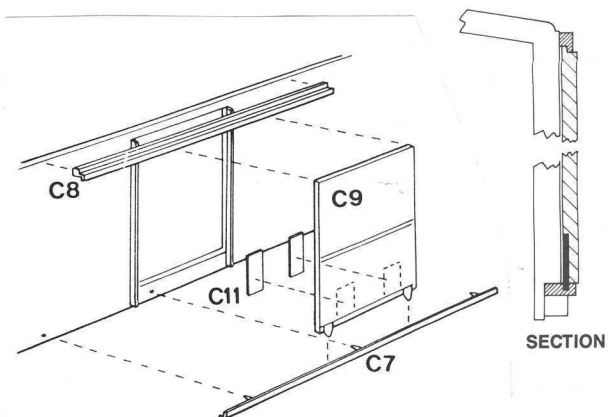
- 1) Cement *one* BODY BOLSTER C-13 in place, with small brake rod locators facing toward center of car.
- 2) Cement CENTER SILLS in place, noting that locators are provided for orientation, and flange faces out.
- 3) Cement other BODY BOLSTER C-13 in place.
- 4) Ream two holes in DOOR CROSSBEARERS C-1 .025 to clear trainline.
- 5) Install DOOR CROSSBEARERS as follows: Carefully insert crossbearer into brake lever retainer straps molded on center sills, then rotate into position. Install other crossbearer.
- 6) Install 10 CROSS SILL CHANNELS C-2 as shown — flanges face center of car except CENTER channel, which faces the B end.
- 7) Bend and cut TRAINLINE as shown, feed thru holes and secure with ACC cement. The far end should be cemented just under the flange of bodybolsters.
- 8) ASSEMBLY FEET C-14 are provided to allow you to work on the rest of the model without damaging underbody — simply press them into the body bolster holes.



4 DOOR DETAIL

Note: The doors operate, or may be cemented in position to suite.

- 1) Carefully remove DOORS from runner; do not remove thin edge at top of door, as this slides in the upper door guide.
- 2) Cement thin LOWER DOOR SLIDE TABS into recessed areas on back of door, making sure door will slide smoothly in LOWER DOOR GUIDE slot.
- 3) Cement UPPER DOOR GUIDE against carbody, butting against doorstep.
- 4) Cement LOWER DOOR GUIDE against carbody — note locator pins.
- 5) When cement has dried, gently bend door, snap into guides.



5 BRAKE SYSTEM ASSEMBLY

1) Cement RESERVOIR BRACKET to RESERVOIR

2) Cement TRIPLE VALVE BRACKET to two VALVE MOUNTING CHANNELS as shown — Cement TRIPLE VALVE to assembled bracket.

3) Cement BRAKE CYLINDER BRACKET to MOUNTING CHANNEL — cement BRAKE CYLINDER to assembly. (Study photo for location).

4) Again, study photo — Cement RESERVOIR, TRIPLE VALVE and BRAKE CYLINDER in place; run .010 air lines while doing so . . .

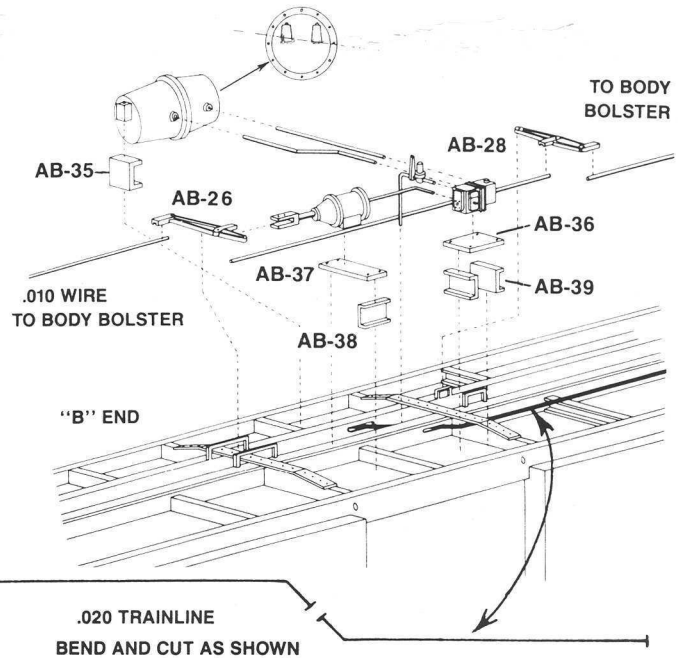
5) Cut overlong length of .010 brake rod wire, ACC into outboard clevis of LONG LEVER AB-26 — length must extend to B end body bolster. Trim to length on assembly.

6) Insert BRAKE LEVER AB-26 into lever retainer straps, cement into brake cylinder clevis. Cut overlong length of wire for center brake rod, ACC into center clevis of lever. Trim to length just prior to Step 7.

7) Cement SHORT BRAKE LEVER AB-28 to top of pivot strap, and under support strap — study photo.

8) Cut lengths of brake rod to fit between center clevises, and from end clevis to A end body bolster — ACC in place.

9) Carefully bend branch line pipe of DIRT COLLECTOR AB-6, cement short stub into Triple valve, with bend segment extending to TRAINLINE, between centersills.



6 ROOFWALK-PLATFORMS

1) Carefully remove ROOFWALK D-1 from sprue, clean gates and flash.

2) Wet one roofwalk support at each end of roof with cement, locate roofwalk by eye, centering on ribs and with boltheads centered.

3) Apply tiny drop of cement at each support — cement will draw into joint.

4) Ream two holes in each CORNER PLATFORM C-12 with #79 drill. Do not trim off small corner post.

5) Cement platform to each end — note location from drawing.

6) Cement ROOFWALK SUPPORTS C-4 to each end.

7) Cement TACK BOARDS C-3 to each end as shown.

7 GRABIRONS-BRAKE DETAIL

1) Trim and install GRABIRONS as shown with ACC cement. Do both ends first, then sides.

2) Trim and install PLATFORM CORNER GRABS (pre-formed wire).

3) Cement BRAKE PLATFORM BRACKETS K-5 to locator holes on B end.

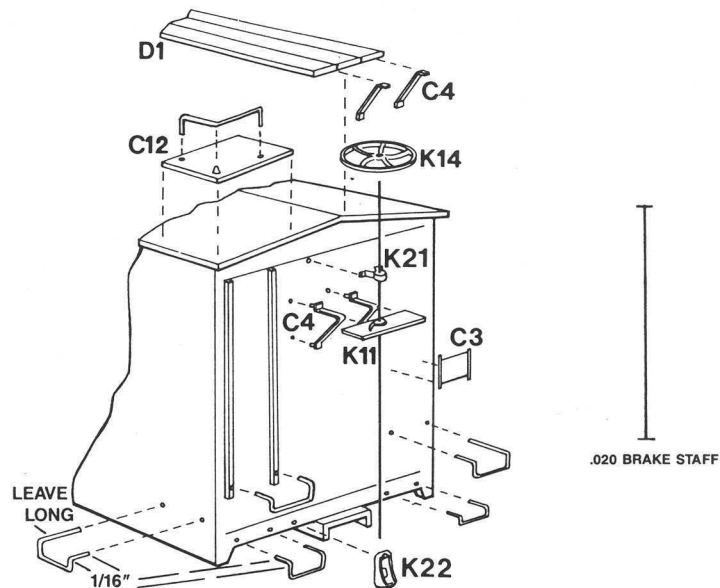
4) Cement PLATFORM with RATCHET K-11 to brackets, with pawl on the left and ratchet wheel on right.

5) Trim .020 BRAKE STAFF wire to length, ream hole in BRAKE WHEEL K-14 with #76 drill — cement wheel to shaft with ACC.

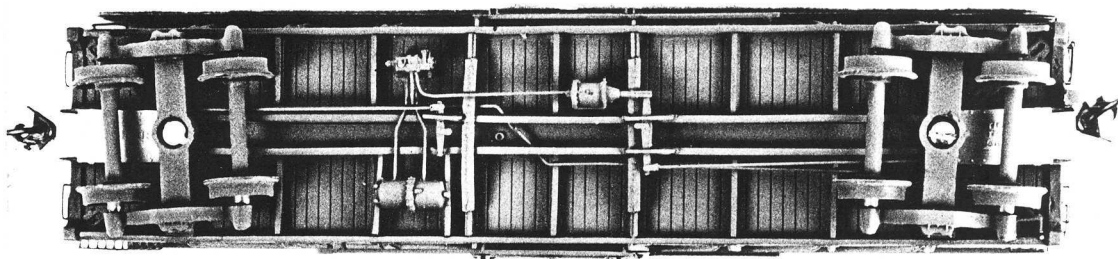
6) Run brake staff through UPPER SHAFT SUPPORT K-21 and through platform. With shaft parallel to ladder for reference, cement LOWER SHAFT SUPPORT K-22 to end next to coupler pocket.

7) Insert shaft into molded cup on lower support, affix all with ACC.

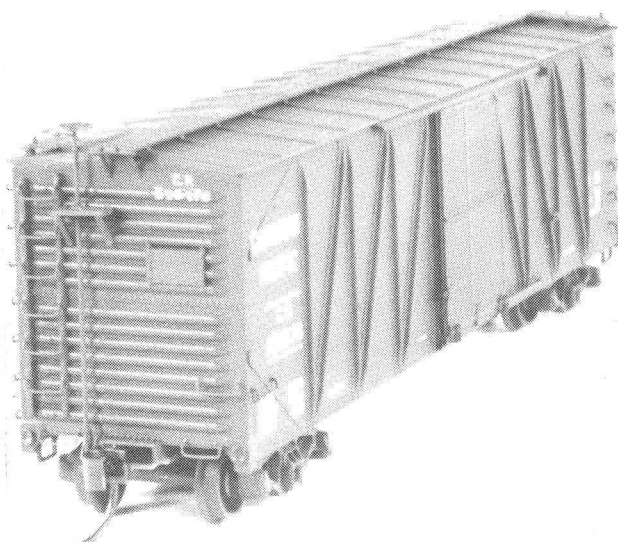
8) Although shown here, you may wish to install STIRRUP STEPS C-5 just prior to painting.



Because of the small size no retainer valve is included — model this if you wish with a tiny piece of .010x.010 styrene, and route the .005 retainer pipe as shown in your prototype photos. There are many variations to this, and the location varied.



"B" END



8 FINAL ASSEMBLY

- 1) Paint and letter car to your choice — let it dry completely.
- 2) Remove assembly stands.
- 3) Install couplers using **COUPLER POCKET COVERS D-4**. They can be cemented or snapped in place.
- 4) Screw **TRUCKS** in place with self-tapping screws provided. If using **TICHY** or **ATHEARN** trucks, use **TRUCK WASHER C-6** to provide correct coupler height. If using **KADEE®** trucks omit washer.
- 5) Apply final weathering and send it out on revenue service!

After paint and decals, install **TRUCKS** with 2-56 screws provided.

KIT
4034

If you should irreparably damage or lose a part it will be replaced without charge. Please return the part(s) to us with \$1.50 for shipping and handling — a replacement will be sent immediately. And, do drop us a line, we enjoy hearing from you with ideas, comments and suggestions for new products.

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