

another  
**Kadee**  
Quality  
model

# 104 Logging Caboose Assembly Instructions

## BEGINNING:

By reading this through once carefully and then following each step in order, no parts will be ruined and you will have a beautiful model logging car.

## FLASH:

With a sharp pocket knife remove all flash from the metal and plastic casting.

Fig.1

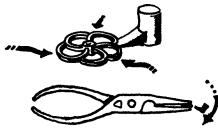
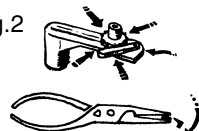


Fig.2



## BRAKE WHEEL:

Using the attached lugs for holding, remove the flash from brake wheel and ratchet, after which break off lugs as shown in Figs.1 and 2.

Pass the end opposite the flattened brake staff end through the brake wheel, ratchet, boggie side frame and into the hanger on the center beam. Bend the wire back forming a hook over the hanger (see Figs.3 and 4). The flattened end keeps the wheel on, and the turned-back end keeps the assembly together.

## COUPLER:

Make sure the coupler pocket is clear of any flash. Assemble the couplers. Slide the draft gear box (assembled coupler) into the coupler pocket, press on the end of the box if needed, not the coupler. Be sure the bottom plate is against the crossbeam and the small holes in the plate and centerbeam match up. Check for proper coupler function and secure by pressing an escutcheon pin (brad) into the small hole.

To reduce friction and add a bit of dry graphite lubricant into the draft gear box, such as Kadee® #231 "Greas-em". Use our #205 or #206 coupler height gauge to check for the correct height and trip pin clearance. The HO-Scale N.M.R.A. standard for coupler height is the centerline of coupler at  $25/64"$  (.390"). Use our #237 Trip Pin Pliers to carefully adjust the trip pin clearance if necessary.

Fig.3

## #115 Whisker® Coupler

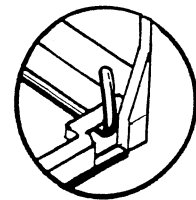
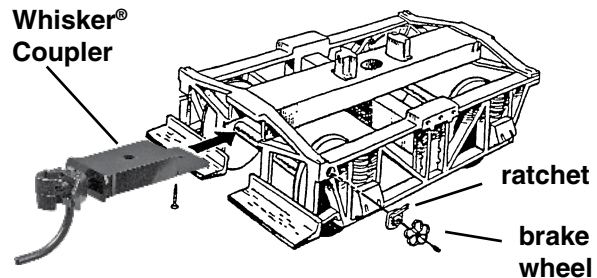
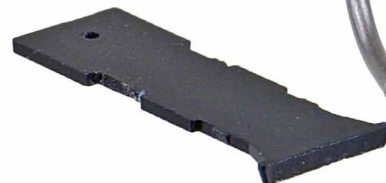


Fig.4



## #115 Whisker® draft gear box for use with the #148 coupler.



## CABOOSE ASSEMBLY:

Caboose comes to you with the sides, ends, and bottom molded as a highly detailed one piece body for ease of assembly. Paint them carefully with a color of your choice.

Windows, Roof jack and Doors can be touched up black or painted any color to match the body of the car. Fit into opening and cement into place. Next insert two long grab irons into pre-molded holes on each side of doors and one in the end hole locations. The short grab iron fits in pre-molded holes on one side. The body is turned so the short grab iron is above the brake wheel. Insert the wood screw through the underside of the truck and screw into the body floor, to fasten the body to the truck. You can glue the roof on or leave it loose for interior access in event detail should be added.

In the interest of safety the grab irons should be painted white for easy vision. Now the car should be finished.

## GLUING INSERT

To prevent losing knuckle springs by being dislodged use the following steps and supplies. Kadee® 241 Dual Tool (Manual Uncoupling Tool & Spring Pic), small piece of blue denim cloth, DUCO® CEMENT or WALTHERS® GOO®, or similar type cement. **CAUTION:** Always follow safety instructions for the cement that you may be using.

1. To pick up spring place it on the cloth (this allows the small springs to be seen and picked up easier) and insert 241 Dual Tool (Manual Uncoupling Tool & Spring Pic) into spring between coils near one end. See Fig. 1.

2. Touch one end of the spring into the cement so that no more than one or two coils are coated (too much cement will hamper coupler performance). See Fig. 2.

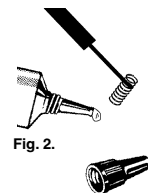


Fig. 1.

4. Carefully remove pic from spring.



Fig. 2.

3. Place glued end over the knuckle retaining post and then compress spring so that it may slip over the opposing shank retaining post. See Fig. 3.

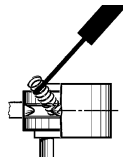
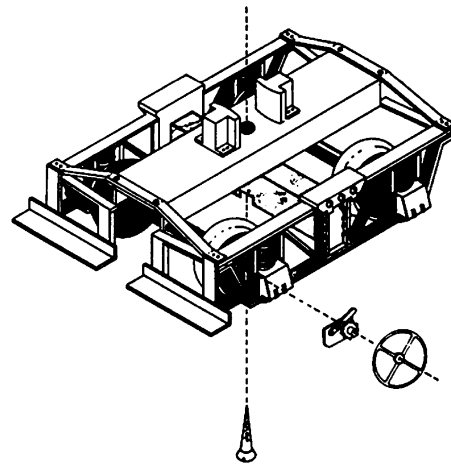
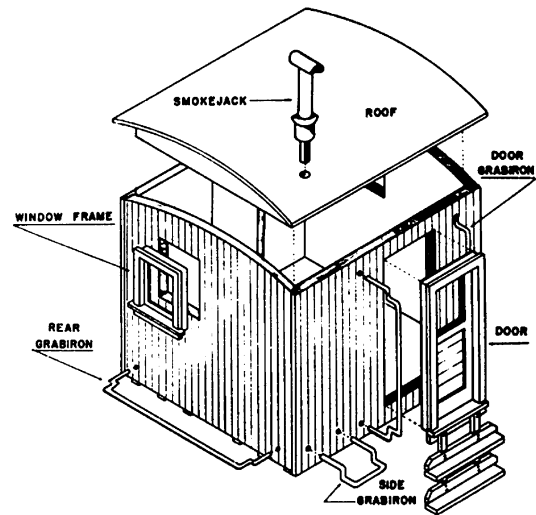


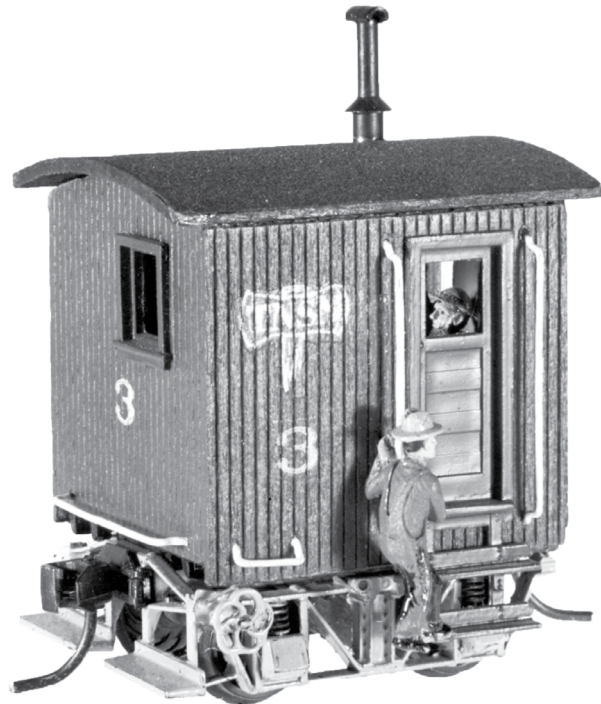
Fig. 3.



# Kadee Kit Cars

This Kit will build a master modeler's four wheel caboose well suited to any logging road and branch line. The prototype did not hold to a hard and fast design and many variations occurred even from one car to the next on the same road. Not built for roominess or comfort, these little crummies or shacks were generally made from materials on hand to provide a shelter of sorts for the rough and rugged train crew.

While standing still coffee could be brewed on the pot bellied stove, but it is doubtful while moving that the crew could do much else but hang on. Carefully assembled and painted it will be pleasing to your eyes and add another touch of realism to your ever expanding railroad system.



**Kadee®**  
Quality Products Co.  
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673 Avenue C,  
White City, OR 97503-1078

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in the U.S.A.

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**WARNING:**  
CHOKING HAZARD - Small Parts  
Not for children under 14 years.

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