#4012 22-foot WOOD ORE CAR in HO Standard Gauge!

The interior sidewalls and slope sheet should be a weathered wood color. The exterior surfaces should be TUSCAN or BOXCAR RED. The iron work can be body color or black. Trucks and coupler pocket covers C-6 in place to mask off paint surfaces, and remove after painting for final assembly.

NOTE TO BOTH OPTION 1 AND OPTION 2

The truss rods are pre-blackened. This is excellent primer for paint, or may be left unainted. If you don't wish to paint them, DO NOT cement body bolters C-5 in place until after painting and assembly. Instead, snap them on and coupler pocket covers C-6 in place to mask off paint surfaces, and remove after painting for final assembly.

OPTION ONE

Pre-paint and weather interior surfaces BEFORE ASSEMBLY. After paint has dried, scrape paint from surfaces to be cemented.

(1) Spray Floquil "foundation" lightly on inside of slope sheet and sides. Let dry overnight.

(2) Using a sharp knife or needle, gently scrape "wood grain" thru the foundation color to the black plastic. Don't overdo it, just indicate grain.

(3) Flow diluted Floquil Driftwood and Oak Flo-stains onto each board, varying the colors and intensity. Allow to dry thoroughly.

(4) Pre-paint cross braces C-6 as in steps 1 thru 3. Set aside.

(5) Pre-paint winding rod assembly B-5 Rusty Brown. Set aside.

(6) Proceed with assembly. When completed, mask off interior surfaces and spray exterior in your choice of color.

OPTION TWO

Assemble the kit and paint it! For added effect, you can spray the car interior a weathered gray brown, including the top edges of the car. When dry, mask off and paint the exterior.

A NOTE ABOUT WEIGHT

The finished car with Kadee couplers weights just over one-half ounce. NMRA recommended practice suggests this car weight approximately 2/3 ounces. We have not provided a weight with this car for several reasons: (1) No place to hide one; (2) In testing, the car rolls very well with our trucks, and being "bottom heavy," is therefore, quite stable. Also the usage of this car will vary from layout to layout. We suggest that if you have steep grades and small locomotives, you should test these cars first in the strings you plan to use before adding weight. Weighing this car is quite simple — put a little loose rock "ore" in the bottom of the hopper. Also, a suggestion regarding a load. Shape a piece of foam rubber to fit car, contour top and cement on a thin layer of ore or coal. This will keep the car from becoming too heavy, and is easily removable.

So lets proceed with assembly ........
TOOLS NEEDED

4012-A SLOPE SHEET
B-1 UNDERFRAME
B-2 KING POST
B-3 BRAKE CYLINDER
B-4 AIR RESERVOIR
B-5 WINDING ROD
B-6 GRAB IRONS
C-1 INTERMEDIATE SUPPORT
C-2 END BEAM/SUPPORT
C-3 SIDE
C-4 COUPLER POCKET COVER
C-5 BODY BOLSTER
C-6 CARBODY CROSS BRACE
3002-1 TRUCK SIDEFRAME
-2 JOURNAL LIDS
-3 TRUCK BOLSTER
-4 BRAKE SHOES
-5 SPRINGPLANK

PARTS LIST

WHITE CONE BEARING INSERTS
4-2/56 SCREWS
PREFORMED TRUSS RODS
BRAKE STAFF
BRAKE WHEEL
BRAKE STAFF BRACKET
4 WHEELSETS

ASSEMBLY

Please follow these step by step, as some parts MUST be installed before others. Don't try to outguess us until you have built one!

(1) Clean "Gate" off slope sheet side, and LIGHTLY draw file sides of slope sheet or draw over a fine (400) sandpaper to clean to clean up edges. Cement slope sheet to B-1.
(2) Cement C-1 to each end; ridges will locate parts.
(3) Cement C-2 to each end.
(4) Test fit and cement sides, C-3 in place. Apply several passes of the cement brush on slope sheet sides. Line up sides to ends on the top edge, and check assembly by placing car upside down on a flat surface. Cement kingpost B-2 in place on each side. Make sure they are square.
(5) Cement B-3 and B-4 in place exactly as shown. Air lines will almost meet in center of kingpost B-2.
(6) Cement B-5 in place inside car. Small tabs on car sides are for alignment.
(7) Cement brake staff into brake staff bracket, and cement brake wheel to staff with liquid cement or ACC. Set aside.

CRUIZERS

TRUCKS

(1) Carefully trim white nylon bearings from sprue. Firmly press into holes in journal boxes of sideframes -1 until bearing bottoms into hole.
(2) Cement two -2 to each -1.
(3) Cement sideframes to bolster -3 make sure springs are down and bolster is as shown. Make sure assembly is square, and set aside.
(4) Cement two -4 to each springplank -5. Set aside. NOTE: Trucks will be finished after painting, but final assembly is shown here for convenience.
(5) Carefully insert wheels. Place truck kingspin in bolster, and "snap" DO NOT CEMENT springplank assembly in place.

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