

The 2-BAY COVERED HOPPER CAR is based upon a design similar to the 'steam-era' 70ton railcars produced during the late 1930's to late 1950's by American Car & Foundry/ACF of Berwick, PA. Prototype examples of this style freight railcar are currently (1995) still in use on America's railroads.

WORKING FEATURES:

Operating AAR-design knuckle couplers.
Detailed freight car trucks/wheelsets with individual springs.

EXTERIOR DETAILS:

Three-dimensional ladders on Ends and Sides.
BRASS Grab Railings. - Many versions blackened or painted
Simulated WOOD-GRAIN roofwalk detail.
Full Underframe, including Air Brake System components.
Simulated Roof Hatch latches with BRASS Levers.

FEATURES

TRUCK BEARINGS:

1. The freight truck sideframes are molded of a thermal plastic which reproduces all details and, for durability, a special bearing has been permanently inserted in each journal box end. These bearings are designed to operate properly WITHOUT lubrication. However, you MAY lubricate, if desired, using a dry lubricant of powdered graphite, an oil-based liquid lubricant, or ARISTO-CRAFT TRAINS' ART-29602 CONDUCTIVE LUBRICANT but ONLY in very small amounts. It is not necessary to dis-assemble freight railcar trucks to properly lubricate. Turn freight railcar upside down and apply lubricant to axle ends at truck sideframe.

TRUCK SPRINGS:

2. The trucks/wheelsets (ART-29101) on this model are designed exactly like the railcar trucks used on prototype railroads, and use springs for equalization to act as a shock absorber and cushion the ride. If you should decide to add a load into the COVERED HOPPER CAR, remember to distribute the weight evenly throughout the rail car. If there is more weight at one end of the rail car, the springs will compress only at the loaded end causing operational problems and, possibly derailments.

COUPLERS:

3. Loop-style couplers (ART-29101-69) are enclosed as a spare accessory. The operating knuckle couplers (ART-29200) on all ARISTO-CRAFT TRAINS freight railcars are designed based upon the AAR-style knuckle coupler used on all major North American Railroads.

4. **NOTE:** However, these knuckle couplers may not operate automatically when attempting to couple ARISTO-CRAFT TRAINS products to knuckle couplers used by other model railroad manufacturers. Knuckle couplers may have to be joined by manually coupling the knuckle on each car in a closed position by lifting one end knuckle coupler and inserting the closed knuckle coupler onto the ARISTO-CRAFT TRAINS knuckle coupler.

5. This type knuckle coupler works equally well from either end of the freight railcar and can be uncoupled automatically by using an LGB* designed uncoupling device. The knuckle couplers may also be operated manually by pressing upward on the small tab below each knuckle coupler assembly. The knuckle coupler can be pushed away to any side if you wish the railcar not to couple automatically when the railcars come together. However, DO NOT attempt to operate in train without the knuckle couplers properly aligned and fully coupled to opposite railcar/locomotive. Otherwise, railcar(s) may derail on curves or switch tracks.

6. Should you prefer to use the Loop-style coupler (ART-29101-69), this conversion can be made easily and quickly by unscrewing the single screw that holds the AAR knuckle coupler to the freight truck arm and attaching the Loop-style coupler using the same screw. Both style couplers are attached to truck arm at a swivel base. When operating railcar, this enables coupler(s) to articulate when encountering sharp radius curves or switches. Both styles of couplers will center automatically while railcar is in motion. Manual centering is accomplished by exerting light pressure on the knuckle/Loop coupler at articulated joint and returning the knuckle/Loop to center.

*LGB is a trademark of the E.P. Lehmann Company, Germany.

ASSEMBLY INSTRUCTIONS:

7. No assembly required. 2-BAY-COVERED HOPPER CAR is ready-to-run except Undecorated/KIT.

8. PARTS LISTING FOR ART-41200 Series 2-BAY COVERED HOPPER CAR, all railroad names and Undecorated/KIT.

Refer to Exploded Parts Diagram/Parts List for part descriptions, part numbers, and prices. Do not use part descriptions, part numbers, and prices listed in the Instruction Manual

LIMITED WARRANTY

13. All ARISTO-CRAFT TRAINS locomotives, tenders, railcars, trainsets, or accessories are under warranty for 180 days from DATE OF PURCHASE against defects in workmanship and/or materials. Proof of purchase may be required by ARISTO-CRAFT TRAINS.

14. This warranty is VOID and does not apply to any product and/or parts and components which have been improperly installed by purchaser/owner, abused or damaged in any way through improper operation such as train derailment, modified, or repaired by unauthorized service centers and/or non-factory authorized technicians.

SERVICING:

15. Should your ARISTO-CRAFT TRAINS model railroad product require warranty service, be sure to take the following steps to assure proper servicing:

16. Return product in ORIGINAL BOX, then pack this ORIGINAL BOX in proper shipping carton. If not possible to use original box, only pack product carefully in cardboard box, FULLY INSURED and PRE-PAID. ARISTO-CRAFT TRAINS will not be responsible for any damage or loss incurred during shipping.

17. Include a brief but thorough explanation of the problem(s) and the servicing that may be required.

18. Be sure to include your name, street address (no Post Office Box please), city, state (or province), country (if outside USA), and postal zip code along with a daytime phone number, including Area Code, so that you may be contacted if it becomes necessary. All identification should be both INSIDE package and on OUTSIDE cardboard box.

19. Include proper payment for shipping/handling -

Locomotive or Complete Train Set \$20.00 US

Accessories, building, switch-track, or individual
freight/passenger railcars \$10.00 US

- with your (USA Bank Account only) check/Money Order payable in US Dollars (\$) to: Polk's Hobbies. **Please DO NOT SEND CASH.** If your item is out of warranty, you will be contacted with amount of repair costs before repairs are started.

C.O.D. shipping charges are additional cost.

20. Ship your item(s) to:

ARISTO-CRAFT TRAINS
698 SOUTH 21ST STREET
IRVINGTON, NJ 07111

PHONE: 973-351-9800
FAX: 973-351-9700
EMAIL: aristo@mindspring.com
www.aristocraft.com

21. Immediate written confirmation of receipt of returned item(s) will be sent along with estimated repair time by ARISTO-CRAFT TRAINS Customer Service/Repair Department.
