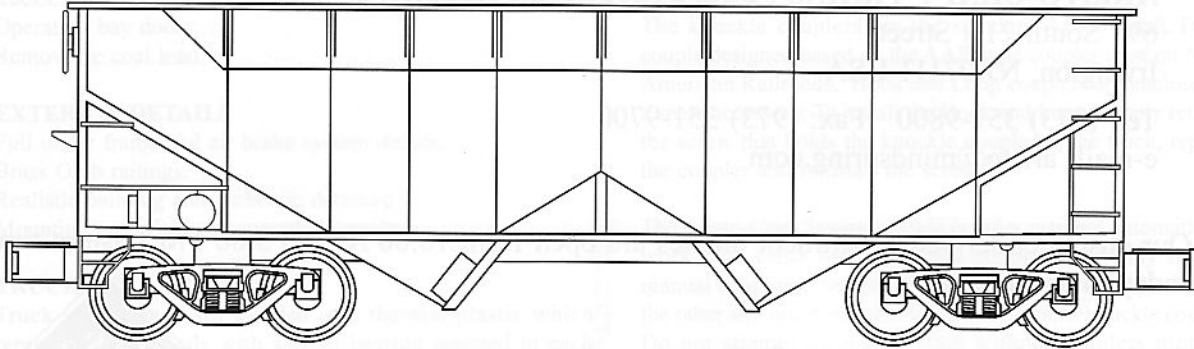


#1	1:29
Gauge	SCALE

34' OFFSET-SIDE STEEL HOPPER CAR



INSTRUCTION MANUAL ART-41800-01



ARISTO-CRAFT TRAINS

53008 NEW

Dear Model Railroader,

This 34 foot offset steel hopper car is a highly detailed #1 gauge 1/29th scale car based on documented blueprints from American Car and Foundry and the Association of American Railroad recommended practices. This car is suitable for indoor and outdoor operation. It has been designed and manufactured to our usual high specifications.

Should you have any questions regarding operation, proper usage or maintenance required for this or any other ARISTO-CRAFT TRAINS products, please contact us at the following address:

ARISTO-CRAFT TRAINS / Polk's Modelcraft Hobbies, Inc.

698 South 21st Street
Irvington, NJ 07111 USA

Tel: (973) 351-9800 Fax: (973) 351-9700

e-mail: aristo@mindspring.com

Our customer service department phones are open from 10:00 AM to 5:00 PM Eastern time, Monday through Friday.

Visit our web site: www.aristocraft.com



HISTORY

Production of the 34' offset steel hopper car began in the late 1930's. Most of these cars were retired from service by the 1980's being made obsolete by larger and heavier capacity cars. Some of these cars found their way into maintenance of way service through the 1990's, today many surviving cars can be found on tourist railroads and museums.

WORKING FEATURES

Operating AAR-design knuckle couplers.
Detailed freight car trucks/wheel sets with individual sprung trucks.
Operating bay doors.
Removable coal load.

EXTERIOR DETAILS

Full under frame and air brake system details.
Brass Grab railings.
Realistic painting and authentic detailing.
Mounting pads for body-mounted couplers.

TRUCK BEARINGS

Truck side frames are molded in a thermal plastic which reproduces all details with special bearing inserted in each journal box end. These bearings are designed to operate **without** lubrication. If you feel the need to lubricate, use a dry powdered graphite or Aristo-Craft Trains CRE-29602

Conductive Lubricant but only in very small amounts. Turn the car upside down and apply lubricant to axle shoulder where it enters the bearing.

TRUCK SPRINGS

The trucks on this model are designed exactly like the prototype railroad trucks and use the springs for equalization. If you should add a load or extra weight to the car remember to distribute the load/weight evenly through the car. Failure to do so can cause operating difficulties and possible derailments.

COUPLERS

The knuckle couplers are the standard Aristo-Craft Trains couple designed based on the AAR style coupler used on North American Railroads. Hook and Loop couplers are enclosed as a spare accessory. To install the Hook and Loop, simply remove the screw that holds the knuckle coupler to the truck, replace the coupler and reinstall the screw.

The Aristo-Craft Trains knuckle coupler may not automatically work with other manufacturers couplers and may require manual coupling. Simply close the knuckles and lift one over the other and insert into the Aristo-Craft Trains knuckle coupler. Do not attempt to operate train without couplers properly aligned and fully coupled to adjoining railcar/locomotive. Failure to do so may result in derailments on curves and switch tracks and or other operational difficulties.

LIMITED WARRANTY

All ARISTO-CRAFT TRAINS products are under warranty for five (5) years from the date of purchase against defects in workmanship and/or materials. Proof of purchase *may be required* by ARISTO-CRAFT TRAINS.

This warranty is void and does not apply to any product and/or parts and components which have been improperly installed by the purchaser/owner, abused or damaged in any way through improper operation such as but not limited to derailment, repairs or modifications performed by non-authorized service centers or technicians.

SERVICING

Should your ARISTO-CRAFT TRAINS product require warranty service, please return it in the original box, if possible, protected by a proper shipping carton. Send the product fully insured and prepaid. ARISTO-CRAFT TRAINS will not be responsible for any loss or damage incurred during shipping. Be sure to include a brief, but thorough explanation of the problem, together with your name, street address (no Post Office box please), city state or province and country, if outside of the United States. Also include a daytime telephone number so that we may contact you if necessary. Your return address should be clearly marked on the outside of the shipping carton.

Payment for shipping and handling, in U.S. funds, is \$20.00 and should be included. Your check or money order should be made payable to: Polk's Modelcraft Hobbies, Inc. Do not send cash. If your item is not covered by warranty service, you will be contacted and a repair estimate given before any work commences. Warranty covers manufacturer defects, not normal wear and tear.

The shipping address to be used for returns is as follows:

ARISTO-CRAFT TRAINS / Polk's Modelcraft Hobbies, Inc.
Customer Service Department
698 South 21st Street
Irvington, NJ 07111 USA
Tel: (973) 351-9800

Written confirmation of receipt of returned items will be sent with estimated repair time by the ARISTO-CRAFT TRAINS Customer Service Department.

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