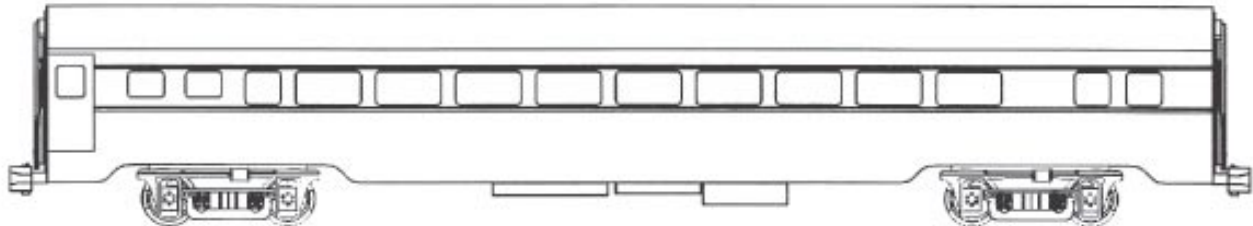


# SMOOTHSIDE PASSENGER CAR INCLUDES ALL STYLES

INSTRUCTION MANUAL

ART-33300 - 01



## ARISTO-CRAFT TRAINS

122800 NEW

### ARISTO-CRAFT TRAINS

Dear Model Railroader,

This product is the most highly detailed #1 Gauge 1/29 scale model railroad smoothside passenger car available. Suitable for both indoor and outdoor operation, it portrays a North American prototype car.

Should you have any questions regarding operation, proper usage or maintenance required on this or any other Aristo-Craft product, please do not hesitate to 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](mailto:aristo@mindspring.com)

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

## **SMOOTHSIDE PASSENGER CAR**

The Smoothside Passenger Car Series is based upon cars built by the American manufacturers starting about 1937. Actual prototype examples of this type passenger car, although upgraded, are still used daily in passenger train service.

### **DETAILS**

Made from extruded Aluminum.

Operating AAR-design knuckle couplers.

Detailed passenger car trucks/wheelsets with individual springs and Metal Wheels.

Operating interior lights (and Rear-end Markers on OBSERVATION CAR).

METAL Grab Railings.

METAL Underframe/floor.

Plastic Window Strip with green-tint Trim.

**NOTE: THESE CARS ARE ONLY AVAILABLE WITH FOUR (4) WHEEL TRUCKS.**

### **OPERATION**

For proper operation, it is recommended that curved track with a minimum diameter of 8' be used. Smaller diameter curves may cause derailments and side clearance problems.

### **TRUCK BEARINGS**

The 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 either a dry lubricant or powdered graphite or an oil-based paste lubricant/ART-29602 but ONLY in very small amounts. It is not necessary to disassemble passenger railcar trucks to properly lubricate. Turn passenger railcar upside down and apply lubricant to axle ends at truck sideframe.

### **TRUCK SPRINGS**

The trucks/wheelsets (ART-29117) on this model are designed exactly like the trucks used on prototype railroads, and use springs for equalization to act as a shock absorber and cushion the ride.

### **WHEELS**

The SMOOTHSIDE PASSENGER CAR Metal Wheels are designed for constant electrical power pickup through an electrical connection onto each METAL Wheel axle end through the Truck Sideframe. Specially plated to insure good electrical conductivity, corrosion resistance, and extended wear, the METAL wheels will give normal service during usage of any SMOOTHSIDE PASSENGER CAR.

Over a period of time, these wheels may require cleaning. Dirty wheels will cause sporadic electrical pickup and possible electrical flashover which may cause discoloring on affected surfaces of wheel and/or brass track.

A good indication of dirty wheels is flickering lights. To clean properly, remove SMOOTHSIDE PASSENGER CAR from any electrical contact and turn upside down exposing METAL wheels. Using ART-29601 SMOKE FLUID/TRACK CLEANER is recommended for application to METAL wheel surface with clean/soft fabric (rag). DO NOT USE ABRASIVE because resulting metallic particles may enter Locomotive electric motor/gearing and cause operational problems.

### **ELECTRICAL PICKUP**

Each axle makes contact with a brass bushing inserted into truck / wheelset side frame. Continuous electrical pickup is possible over switch tracks and irregular trackage. A brass collar attaches to the bushing and transmits electrical current from the wheels to each car's electrical features.

### **INTERIOR LIGHTING**

The non-detailed interior is illuminated.

### **COUPLERS**

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

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

This type knuckler coupler works equally well from either end of the passenger 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.

Should you prefer to use the Loop-style coupler, this conversion can be made easily and quickly by unscrewing the single screw that holds the AAR-style knuckle coupler to the truck arm and attaching the Loop-style coupler using the same screw.

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

## 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

**CALL FOR CURRENT  
SHIPPING COSTS**

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