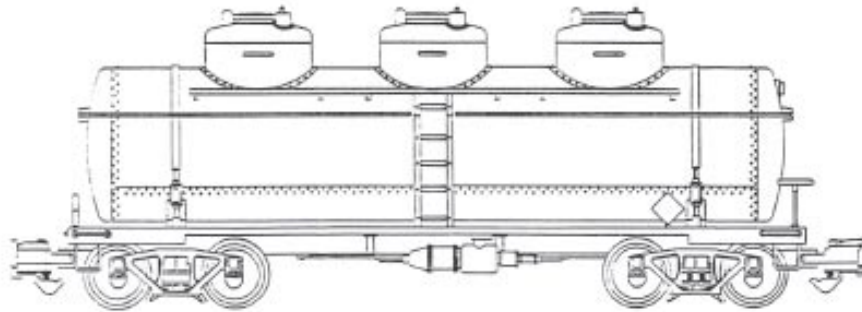


TRIPLE-DOME TANK CAR

INSTRUCTION MANUAL

ART 41600-01



ARISTO-CRAFT TRAINS

010194

INTRODUCTION

Dear Model Railroader:

This product is one of the most highly detailed #1 Gauge 1/29th Scale Model Railroad Freight Railcars available. Suitable for both INDOOR and OUTDOOR operation, it accurately portrays a North American prototype Triple-Dome Tank Car based upon our research and on documented Official Blueprints referenced to standard Association of American Railroads (AAR) recommended practice.

Should you have any questions about operations, proper usage, or maintenance required on this freight railcar or any other ARISTO-CRAFT TRAINS #1 GAUGE 1/29 Scale Model Railroad product, please contact us at the following address:

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

Our phone lines are open from 10:00 AM to 5:00 PM (EASTERN STANDARD TIME) Monday through Friday

The following instructions are intended to help you understand and operate all the features built into this product.

Good Railroading!!!!

TRIPLE-DOME TANK CAR

The tank car is based upon a steel Freight Railcar of the typical of 1930's to 1970's era. Actual prototype examples of this type car, although modernized, may still be in daily use by North American Railroads and also on display at some Historical Railroads/Museums.

FEATURES:

- Operating AAR-design knuckle couplers.
- Detailed freight car trucks/wheelsets with individual springs.
- Realistic Detailing and Authentic Painting.
- Moveable Hatch Cover on Domes.
- BRASS grab-railings.
- Full Underframe, including Air Brake System components.
- Set of 4 (6 Designs) Full Color Placards.

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 of powdered graphite or an oil-based paste lubricant (ART-29602) but ONLY in very small amounts. It is not necessary to disassemble freight railcar trucks to properly lubricate. Turn the freight railcar upside down and apply lubricant to axle ends at truck sideframe.

TRUCK SPRINGS

The trucks/wheelsets 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.

COUPLERS

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

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. Couplers may have to be joined by manually coupling the knuckle on each car in a closed position then lifting one end coupler and inserting the closed knuckle onto the ARISTO-CRAFT TRAINS knuckle coupler.

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 couplers may also be operated manually by pressing upward on the small tab below each coupler assembly. The 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 couplers properly aligned and fully coupled to opposite railcar/locomotive. Otherwise, railcar(s) may derail on curves or switch tracks.

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 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. Couplers will center automatically while railcar is in motion. Manual centering is accomplished by exerting light pressure on knuckle. Knuckle/Loop at articulated joint and returning knuckle. Knuckle/Loop to center.

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

ASSEMBLY INSTRUCTIONS:

No assembly required, TRIPLE-DOME TANK CAR is ready-to-run. (except ART-41600K-KIT)

PARTS LISTING FOR ART-41600 Series TRIPLE-DOME TANK CAR, all railroad names and KIT/undecorated.

| PART # | DESCRIPTION | COST |
|----------|--|---------|
| 41600-01 | Instruction Manual | \$ 1.00 |
| 416XX-02 | Tank Car body shell (2-Piece Set) (NOTE: Special Production/LTD. EDITION Tank Car Body Shell/Front-Rear ends not available) | 20.00 |
| 41300-03 | Tank Car underframe | 5.00 |
| 416XX-04 | Tank Car FRONT end | 5.00 |
| 416XX-05 | Tank Car REAR end | 5.00 |
| 29101 | Complete truck/plastic wheelset w/o coupler | 16.95 |
| 29101-99 | BLACK Metal Truck Springs (pair) | 1.00 |
| 29111 | BLACK Metal Wheelset (8 wheels/4 axles) | 14.95 |
| 29200 | AAR Knuckle coupler (pair) | 7.95 |
| 41300-11 | Brakewheel (Black plastic) | 1.00 |
| 41300-12 | BRASS Brakewheel post | 2.00 |
| 41300-13 | Placard Holder (Black Plastic) 4-Pc. Set | 4.00 |
| 41300-14 | Set of 4 (6 Designs) Full Color Placards. | 2.00 |
| 41600-15 | Step (BRASS) | 2.00 |
| 41300-20 | Brass grab railing - small | 2.00 |
| 41300-21 | Brass grab railing - body side | 5.00 |
| 41300-22 | Brass grab railing - platform end | 3.00 |
| 41300-23 | Brass grab railing - platform side | 3.00 |
| 413XX-31 | Dome Hatch Cover | 1.00 |
| 413XX-32 | Dome Cap | 1.00 |
| 413XX-33 | Tank Hold-Down Straps (Pair) | 2.00 |

xx - refers to last two digits of roadname ARISTO-CRAFT TRAINS freight car number when part is painted to match. i.e. ART-41607 ESSO. 41607-02 would then refer to TANK CAR BODY SHELL for ESSO TRIPLE-DOME TANK CAR ART-41607. If part is same for all ALL SINGLE-DOME/CHIMNEY CAL and TRIPLE-DOME TANK CARS, 41300- plus 2 digit number would be used to denote specific part, i.e. 41300-03 Underframe. When part is same FOR ALL TANK CARS AND OTHER FREIGHT CARS, 29200 (or other #-plus 2 digit number) would be used to denote specific part regardless of roadname/car type. Please specify roadname/ART# on line above part # list.

NOTE: When ordering replacement parts or repair request, please refer to proper 5 or 7 digit part number listed.

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

Area Code, so that you may be contacted if it becomes necessary. All identification should be both - INSIDE package and on OUTSIDE cardboard box

4. Include proper payment for shipping/handling -

Locomotive or Complete Train Set \$20.00 US
 Accessories, Tender, freight-truck, or individual freight/locomotive/rail car \$0.00 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. charges are additional cost*****

5. 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

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



*****Unpainted/black plastic PART(S) will be substituted if the Painted-to-match PART(S) ordered not available.*****

In addition to COST shown above, please enclose ...
 \$3.50 shipping/handling* if PART Order less than \$10.00 or
 \$5.00 shipping/handling* if PART Order \$10.00 and above.
 *This is for PART Order only, not WARRANTY Order.

LIMITED WARRANTY

Your new ARISTO-CRAFT TRAINS product is warranted for 180 days from 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 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

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

1. Return product in ORIGINAL BOX, then pack this ORIGINAL BOX in proper shipping carton. If not possible to use original box, pack product carefully in cardboard box, FULLY INSURED and PREPAID. ARISTO-CRAFT TRAINS will not be responsible for any damage or loss incurred during shipping.
2. Include a brief but thorough explanation of the problem(s) and the servicing that may be required.
3. Be sure to include your NAME, ADDRESS (no Post Office Box, please), CITY, STATE (or PROVINCE), COUNTRY (if outside USA), and postal ZIPCODE along with a daytime phone number, including