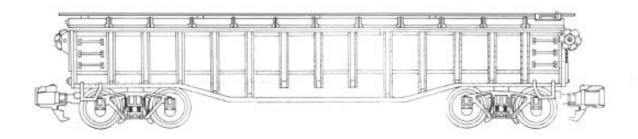


COVERED GONDOLA

INSTRUCTION MANUAL ART 41100-01



ARISTO-CRAFT TRAINS

092492 REV

INTRODUCTION

Dear Model Railroader:

This product is one of the most highly detailed #1 GAUGE 1/29 Scale Model Railroad Freight Railcars available. Suitable for both INDOOR and OUTDOOR operation, it accurately portrays a North American prototype Steel Drop-End COVERED GONDOLA, 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 PHONE: 973-351-9800 698 SOUTH 21ST STREET FAX: 973-351-9700 IRVINGTON, NJ 07111

EMAIL: aristo@mindspring.com www.aristocraft.com

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

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

Good Railroading!!!!

COVERED GONDALA

The covered gondola car is based upon a Steel Drop-End (Mill) COVERED GONDOLA Freight Railcar of the 1930's era. Actual prototype examples of this type car are still in daily use by North American Railroads.

WORKING FEATURES:

Operating AAR-design knuckle couplers. Detailed freight car trucks/wheelsets with individual springs. Operating DROP-ENDs with positive 'snap-lock' Removable COVERED Top with positive 'snap lock'.

EXTERIOR DETAILS:

BRASS Grab Railings on ends and sides. Many versions blackened or painted Simulated WOOD-GRAIN flooring. Full Underframe, including Air Brake System components.

FEATURES

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 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:

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. If you should decide to add a load into the covered gondola, remember to first remove the Covered top panel, then distribute the weight evenly throughout the freight rail car. If there is more weight at one end of the COVERED GONDOLA, the springs will compress only at the loaded end causing operational problems and, possibly derailments. Replace Covered Top Panel before moving freight railcar.

COUPLERS:

Loop-style couplers 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 coupler 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 by lifting one end coupler and inserting the closed knuckle onto the ARISTO-CRAFT TRIANS knuckle coupler.

This type 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 alligned 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, this conversion can be made easily and quickly by unscrewing the single screw that holds the AAR 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/Loop

xx - refers to last two digits of roadname ART freight car number when part is painted to match, i.e. ART 41101 BURLINGTON. 41101-07 would then refer to Covered Top Fine Ar BURLINGTON Covered Gondola ART-41101 When the same FOR ALL COVERED GONDOLAS 1100-lus 1 digit humber would be used to denote specific plantage. 4110-01 is COVERED GONDOLA Instruction Manual and for all COVERED GONDOLA Freight Railtan regar less of railroad name.

NOTE: Whe ordering replacement parts or repair request, please refer a prope 5 or 2 digit part number listed.

I hpainted/black plastic PART(S) will be substituted if the fainted-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 train, trainset, or accessory is warranted for 180 days from DATE OF PURCHASE against defects in workmanship and/or materials. Proof of purchase <u>may</u> 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: at articulated joint and returning knuckle/Loop to center.

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

COVERED TOP PANEL:

To remove - carefully grasp end of gondola body and pull upwards on covered panel. Repeat process on opposite end of gondola body.

To replace - allign covered panel with gondola body end and snap into place. If allignment is not correct, you may slide the covered panel to insure proper allighment on gondola body. DO NOT USE TOO MUCH PRESSURE TO SNAP-FIT. Minimum pressure is required or else damage to plastic components may result.

All Covered Panels are interchangeable with other Covered Panels in this series.

ASSEMBLY INSTRUCTIONS:

No assembly required, COVERED GONDOLA is ready-to-run, except Undecorated/KIT.

PARTS LISTING FOR ART 41100 Series COVERED GONDOLA, all railroad names and Undecorated/KIT.

PART #	DESCRIPTION	15	osz
41100-01	Instruction Menual	\mathbf{U}	1.00
411xx-02	Gondola ca bod	_	17.50
41000-03	Gorgala va underfram-		15.00
29101	Truck/or delsa (pair)		16.95
20101-40	Metal Truck Springs (2)		1.00
2920	AAR Knuckle coupler (pair)		7.95
1100 04	Gondola car floor		10.00
4 Lyx-06	Drop-End Panel		5.00
411xx-07	Covered Top Panel		10.00
46000-11	Brakewheel (Black plastic)		1.00
46000-15	Sten (Black playtic)		1,00

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

- 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 PREPAID. ARISTO-CRAFT TRAINS will not be responsible for any damage or loss incurred during return for servicing.
- Include a brief but thorough explanation of the problem(s) and the servicing that may be required.
- 3. Be sure to include your name, street address (no Post Office Box please), city, state (or province), country (if outside USA), and postal zipcode along with 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.
- 4. Include proper payment for shipping/handling -

Locol G. A. Complete D. R. C. U. R. R. C. I. R. Accessories, course brook or individual freight/pastered tilenty... G. C. C. S. T. S. with your (USA Bank Account only) check/Money Order p

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.

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

 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.