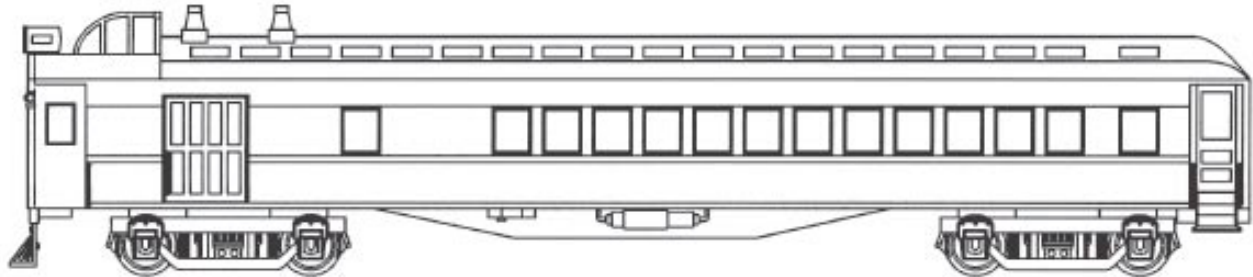




DOODLEBUG GAS ELECTRIC RAIL CAR

INSTRUCTION MANUAL ART-21200 - 01



ARISTO-CRAFT TRAINS

100100 NEW

Dear Model Railroader,

This Doodlebug, Gas Electric Rail Car is a highly detailed #1 Gauge 1/29th scale unit and is suitable for both 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 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

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

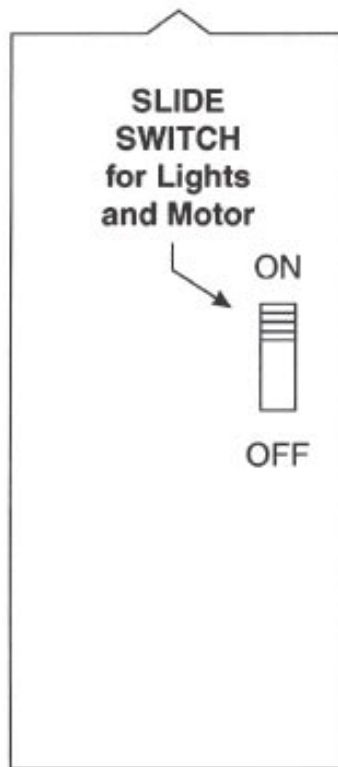
Visit our website: www.aristocraft.com

HISTORY

The Doodlebug, Gas Electric Rail Car was used by many railroads as an economical substitute for a conventional locomotive-and-cars train on lightly-traveled lines. The Doodlebug was a one car train with a larger capacity and better reliability than the earlier rail busses.

FEATURES

- Modular electrical connections
- Ball bearing driving axles
- All wheel electrical pick up
- Lighted headlight and marker lights
- Interior lighting
- Interior details
- Operating knuckle couplers



Underside of
Rail Car

NOTE: The Doodlebug Rail Car does not have smoke units. Do not put smoke fluid into the smoke stacks.

POWER SWITCHES

This locomotive is equipped with an on-off slide switch which controls the electric power to the motor and the lights. Turn the Rail Car on its back, with the front facing away from you. Near the center of the car, on the right side, is located the slide switch. When the switch is in the "off" position, it is to the rear. To turn the switch to the "on" position, slide it forward. See the diagram.

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/or side clearance problems.

NOTE: Do not attempt to pull more than one or two trailing cars as this rail car is not designated to be a locomotive.

WHEELS

The metal wheels have been designed for good electrical power pick up. Specially plated to insure good electrical conductivity, corrosion resistance and extended wear, the wheels will give normal service during the life of the Doodlebug.

Over a period of time, however, these wheels may require cleaning. Dirty metal wheels will cause sporadic electrical pick up and possibly electrical flashover which may cause discoloring of the affected surfaces of the wheels and/or track.

A good indication that the wheels require cleaning is the flickering of the lights. To clean the wheels properly, remove the rail car from the tracks and turn it upside down to expose the metal wheels. Use ARISTO-CRAFT Smoke Fluid/Track Cleaner (ART-29601) applied with a clean, soft rag to clean the accumulated dirt and grease from the metal wheels. **DO NOT** use abrasives as the resulting grit may enter the motor and gearing and cause operational problems.

COUPLERS

The Doodlebug Rail Car is equipped with prototypically accurate, operating knuckle couplers. These couplers are factory installed on both the front and back of the Doodlebug. They may be operated manually by pressing upward on the small tab below each coupler assembly. Automatic uncoupling may be accomplished by using an LGB designed uncoupling device (*LGB is a trademark of the E.P. Lehman Company, Germany*).

The Doodlebug Rail Car uses coupler No. ART-29200, which is common to all ARISTO-CRAFT TRAINS. Do not confuse this coupler with the very similar coupler used only on the ARISTO CLASSICS items, No. ART-89200. While both styles of couplers look very similar, they are in fact not the same, and use different component parts and may not operate together automatically.

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.

WARNING:

This locomotive does not have smoke units. Do not put smoke fluid into the smoke stacks.

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.