



Bachmann Industries, Inc.
1400 East Erie Avenue, Philadelphia, PA 19124 USA
www.bachmanntrains.com
Customer Service Telephone 800-356-3910

F3-A DUMMY DIESEL LOCOMOTIVE INSTRUCTIONS

Thank you for purchasing a Williams by Bachmann® locomotive. This locomotive has been manufactured to provide years of use and enjoyment. Please follow the simple instructions below.

Before operating, please lightly lubricate the points shown in the diagram below. Do not over-lubricate and take extra care to avoid getting lubricants on the wheel surfaces.

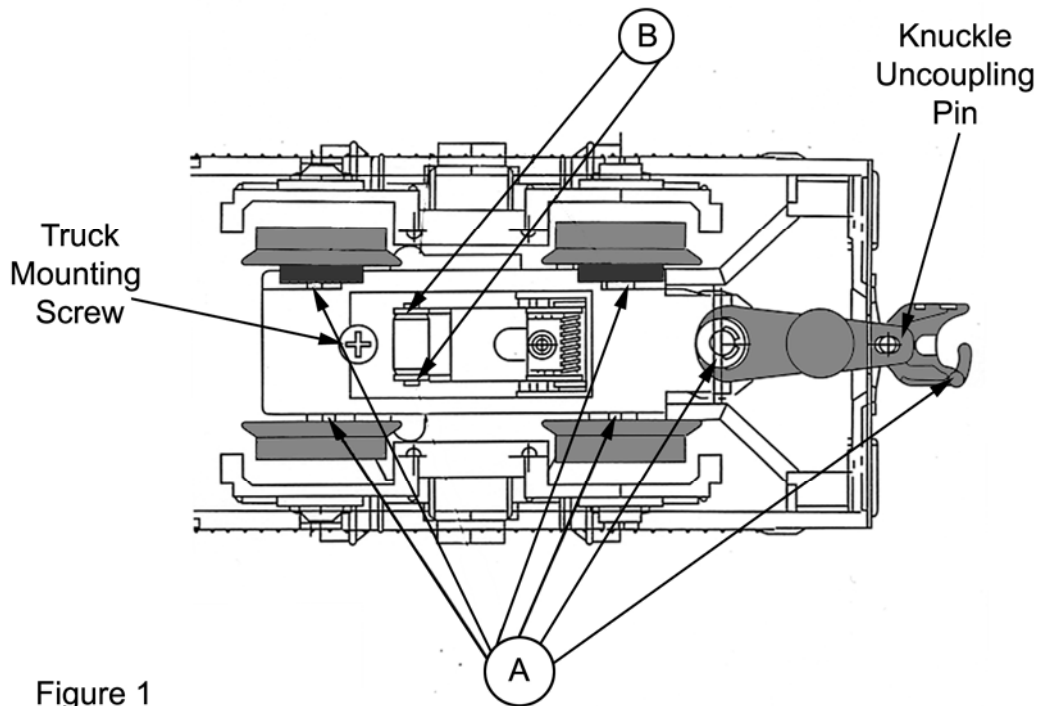


Figure 1

1. For the axles and coupler pivot points **Marked A**, we recommend that you lubricate with a small amount of light oil such as Bachmann E-Z Lube® #99984 Light Gear Oil. **Do not over-lubricate.**
2. For areas that require electrical flow, such as roller pick-ups **Marked B**, please use Bachmann E-Z Lube® #99981 Conductive Contact Lube. **Never use any Teflon® based oil on these areas because this type oil has insulating properties.**

OPERATION

After unpacking the locomotive, make sure that the uncoupling plunger is in the correct position with the pin inserted in the knuckle (see figure 1). Failure to do so will allow the uncoupling plunger to contact the center rail and a direct short will occur when power is applied to the track.

Uncoupling

This dummy locomotive is equipped with an operating knuckle coupler at the pilot end. The rear end of the locomotive has a fixed coupler, to allow close coupling with the matching powered unit. To uncouple, position the uncoupling plunger over the center of electro-magnetic track uncoupling section and activate the magnet.

PERIODIC MAINTENANCE

Disassembly Instructions

You will have to remove the body shell for bulb replacement, or to install a power upgrade kit. The body shell is attached with four screws on the bottom of the locomotive frame. The screws are located in each corner of the frame. When you re-attach body shell, please be careful not to over-tighten the screws.

Lubrication

We recommend that you lubricate as directed on page 1 every 10 hours of operation.

Light Bulb Replacement

This locomotive uses a 12 volt bayonet style bulb. The standard replacement bulb number is 53.

Power Upgrade Kit

A power upgrade kit, Williams by Bachmann® #00244, is available to convert this dummy unit into a powered unit. Please follow the installation instructions that are included with the kit.



by BACHMANN

Bachmann Industries, Inc.

1400 East Erie Ave, Philadelphia, PA 19124 USA

www.bachmanntrains.com

Customer Service Telephone 800-356-3910

| Part Number | Description | Number Used |
|-----------------------------------|---|-------------|
| F3-A BODY & BODY PARTS | | |
| 1468-E002 | Body Shell - complete | 1 |
| <i>I-30100DPA</i> | <i>Screw(Mounts Body to Frame)</i> | 4 |
| 1468-02-01 | Die-Cast Chassis | 1 |
| 1468-E003 | Ornamental Horn | 2 |
| 1468--03-02 | Headlight lens | 1 |
| 1468-03-01 | Windshield | 1 |
| 1468-03-05 | Porthole Lens | 4 |
| 1468-03-03, 1468-03-06 | Number Boards Right & Left | 1 each |
| 1468-04-01 | Front Grab Iron | 2 |
| 1468-04-02 | Body Ladder | 2 |
| 293-M021B | Rear Ladder | 1 |
| <i>I-25060DPS</i> | <i>Screw(Mounts Fuel Tank & rear ladder to Frame)</i> | 2 |
| TRUCK PARTS | | |
| 293-M023FR1 | Flanged Wheel | 8 |
| 293-M029NR5 | Axle | 4 |
| 1-30140DPM | Truck Mounting Screw | 2 |
| 293-E001 | Operating Coupler Assembly | 1 |
| 293-07-01B | Non-Operating Coupler | 1 |
| <i>885-M013R1</i> | <i>Spring for non-operating coupler</i> | 1 |
| <i>I-26060DPWM</i> | <i>Mounting Screw for non-operating coupler</i> | 1 |
| 1027-02-01 | Pilot | 1 |
| 1-30060DFM | Pilot Mounting Screw | 1 |
| 293-E002R1 | Roller Pickup Assembly | 1 |
| 293-01-02 | Top Insulator for Roller Pickup | 2 |
| 293-01-03 | Bottom Insulator for Roller Pickup | 2 |
| 1-26220DPM | Roller Pickup Mounting Screw | 2 |
| 293-06-01 | Sideframe | 4 |
| 1-30060DPM | Sideframe / Bolster Mounting Screw | 10 |
| 293-10-03BR1 | Truck Mount | 2 |
| 1468-E005 | Front Truck Bolster with Ladder | 1 |
| 1468-E006 | Rear Truck Bolster with Ladder | 1 |

See Diagram on opposite side for identification. Parts shown in Italics are not illustrated.

F3-A (Dummy) Part Identification Chart

