



Bachmann Industries, Inc.  
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## F7A 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.

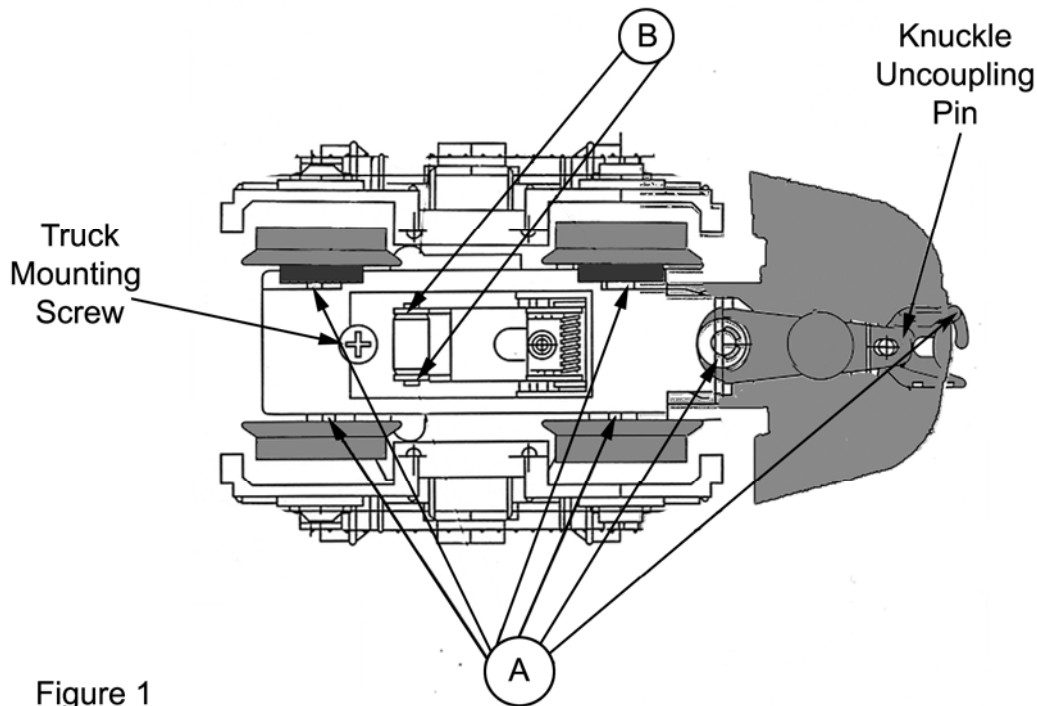


Figure 1

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® #00241, is available to convert this dummy unit into a powered unit. Please follow the installation instructions that are included with the kit.



by BACHMANN

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Part Number	Description	Number Used
<b>F7A BODY &amp; BODY PARTS</b>		
293-05-01	Body Shell - complete	1
<i>1-30100DFT</i>	<i>Screw(Mounts Body to Frame)</i>	<i>4</i>
293-M009E	Metal Frame	1
293-04-01	Ornamental Horn	1
293-08-01	Headlight lens	1
293-08-04	Windshield	1
293-08-03	Porthole Lens	4
293-08-02	Number Board	2
293-02-01	Fuel Tank	1
<i>1-25060DPS</i>	<i>Screw(Mounts Fuel Tank &amp; rear ladder to Frame)</i>	<i>6</i>
<b>TRUCK PARTS</b>		
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>	<i>1</i>
<i>1-26060DPWM</i>	<i>Mounting Screw for non-operating coupler</i>	<i>1</i>
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-M007B	Front Truck Ladder - left	1
293-M008B	Front Truck Ladder - right	1
293-10-03BR1	Truck Mount	2
293-M013R1B	Truck Bolster	2

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

# F7A (Dummy) Part Identification Chart

