



RAILKING F-3 B UNIT DIESEL ENGINE OPERATING INSTRUCTIONS



Thank you for purchasing the RailKing production of the F-3 B Unit diesel engine. The engine's durable ABS body and die-cast trucks are traditionally sized for operation on any O-27 Gauge track. The engine makes a perfect compliment for a powered Alco F-3 AA diesel engine set and is completely compatible with most 3-rail locomotives, rolling stock and accessories.

The B Unit is prewired to be operated with a Proto-Coupler™ equipped powered engine.

RAILKING

OIL & LUBRICATION INSTRUCTIONS

In order for the engine to perform correctly and quietly, it is important that the chassis be lubricated before operation. Lubrication should include all truck block bushings and pickup rollers to prevent them from squeaking. Use light household oil and follow the lubrication points marked "L" in Fig. 1 below.

Periodically, check the locomotive wheels and for dirt buildup as this can significantly affect the engine's ability to perform properly. Dirty track and dirty wheels can cause both poor electrical contact as well as poor traction, especially on elevated track sections.

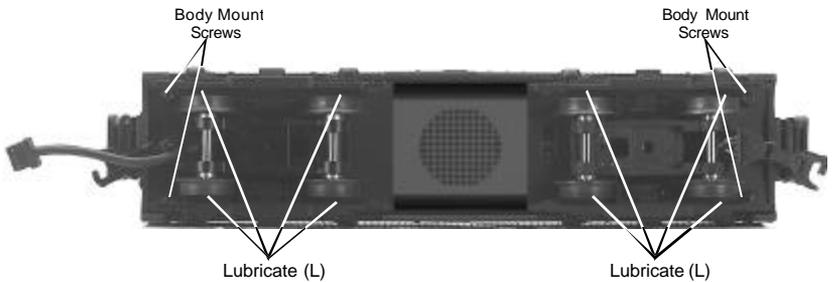


Figure 1: Lubricating The Chassis

PROTO COUPLER WIRE CONNECTION

If you are operating your RailKing F-3 B Unit with the MTH RailKing F-3 AA set see figure 2 for connecting the Proto-Coupler wire harness. If you are operating your RailKing F-3 B Unit with a non Proto-Sound® engine, you might want to remove the shell as shown in figure 1 and place the Proto-Coupler wire harness into the shell so that the wire will not cause any operational problems.

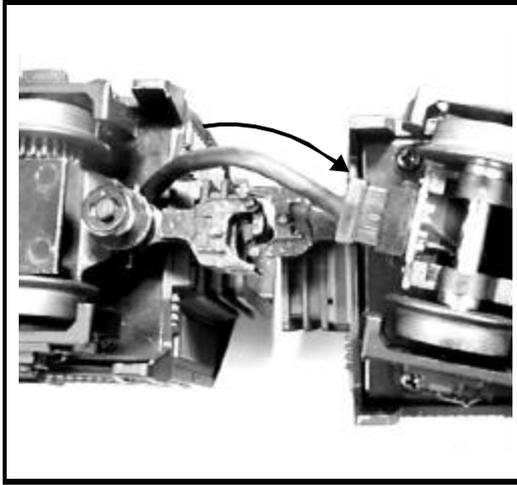


Figure 2: connecting the Proto-Coupler extension

O-27 OPERATION

While the F-3 B Unit diesel is more than capable of operating on O-27 curves and switches, you may find that certain light freight cars are prone to derailling when being pulled or pushed by the RailKing F-3 B Unit through O-27 switches. Should this occur, we suggest adding weight to the cars making them heavier and less likely to derail.

SERVICE & WARRANTY INFORMATION

HOW TO GET SERVICE UNDER THE TERMS OF THE LIMITED ONE YEAR WARRANTY

For warranty repair, do not return your product to the place of purchase unless it was purchased from Mike's Train House in Columbia, MD. Instead, follow the instructions below to obtain warranty service as our dealer network is not prepared to service the product under the terms of this warranty.

1. First, write, call, email or FAX MTH Electric Trains, 7020 Columbia Gateway Drive, Columbia, MD 21046, 410-381-2580 (FAX No. 410-423-0009), or on the internet at service@mth-railking.com or our web site, www.mthtrains.com, stating which product you have, when it was purchased and what seems to be the problem. You will be given a return authorization number to assure that your merchandise will be properly handled upon its receipt at MTH.
2. CAUTION: Make sure the product is packed in its original factory packaging including its foam and plastic wrapping material so as to prevent damage to the merchandise. The shipment must be prepaid and we recommend that it be insured. *A cover letter, including your name, address, daytime phone number, a copy of your sales receipt, the Return Authorization number and a full description of the problem, must be included to facilitate the repairs. Please include the description regardless of whether or not you discussed the problem with one of our service technicians when contacting MTH for your Return Authorization number.*
3. Please make sure you have followed the instructions carefully before returning any merchandise for service.

LIMITED ONE YEAR WARRANTY

This item is warranted for one year from the date of purchase against defects in material or workmanship. We will repair or replace (at our option) the defective part without charge for parts or labor, if the item is returned to the address below within one year of the original date of purchase. This warranty does not cover items that have been abused or damaged by careless handling. Wear parts such as, light bulbs and pick up rollers are also not covered under this warranty. Transportation costs incurred by the customer are not covered under this warranty.

This warranty gives you specific legal rights and you may have other rights which vary from state to state.

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