



QUALITY SINCE 1833

BACHMANN

Instruction Sheet



EMD FT DIESEL LOCOMOTIVE DELUXE 4-WHEEL GEARED DRIVE

LUBRICATION AND MAINTENANCE

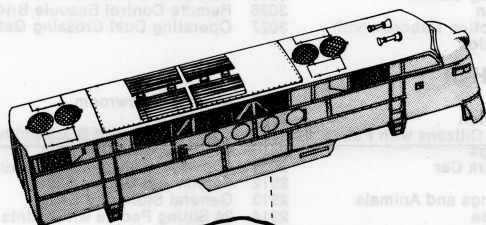
Proper lubrication is important BUT IT MUST NOT BE OVERDONE. Your local Hobby Dealer will recommend the proper lubricant. Grease is recommended for gears and lightweight oil for axles, bearings. Apply oil by dipping the end of a toothpick into oil and applying just *one drop* to wheel bearings of cars, locomotive and side rod screws of steam locomotive. Wipe off all excessive oil. Too much lubrication can cause slipping drive wheels or even a short circuit. LUBRICATE CAREFULLY. BE SURE LUBRICANT IS COMPATIBLE WITH PLASTIC. Check for any dirt or lint between the brush and armature, and also between the pick-up strip and wheels which can cause a "jerky" operation.

BREAK-IN PERIOD

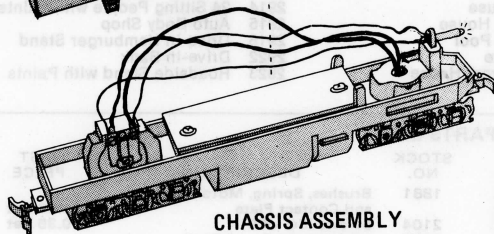
Like any fine piece of machinery, your precision engineered BACHMANN Trains will work best after a few hours of actual running time. Do not run at full speed. Frequent starts and stops and running at various speeds will assure you many years of trouble-free running.

TROUBLE-SHOOTING TIPS

1. If your locomotive doesn't run and the headlight doesn't glow, check the following:
 - a. Check that the power pack is plugged in;
 - b. Check that the track is wired properly;
 - c. Make sure all locomotive (and tender) wheels are on the track.
2. If your locomotive doesn't run, but the headlight glows, you may not have your track connected to the DC TERMINALS on the power pack.
3. Keep your track and the metal wheels of the locomotive and tender clean with track cleaner. Dirt will cause your locomotive to run erratically. DO NOT USE STEEL WOOL.



To remove body shell, spread center.



CHASSIS ASSEMBLY

To detach front power truck, unscrew motor retainer. Twist the truck firmly with force to the side of the chassis until the motor lugs clear the obstruction from the chassis. Then pull the truck downward. Motor lugs are on both sides. Do one side at a time.

IMPORTANT: Be careful not to damage motor brush contact spring.

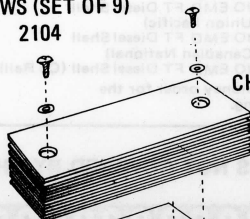
To replace truck, just snap it back into chassis.

SCREWS (SET OF 9)

2104

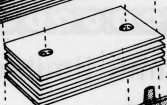
CHASSIS WEIGHT, LARGE

2101



CHASSIS WEIGHT, SMALL

2102



**16 VOLT LOCO BULB WITH
LEAD WIRE 2103**

LOCO COUPLER

2021

LOCO COUPLER

2021

CHASSIS 2100

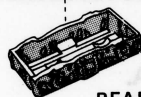
FRONT TRUCK ASSEMBLY

1993

**REAR TRUCK AND
MOTOR ASSEMBLY 1994**

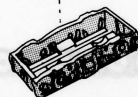
FRONT TRUCK COVER PLATE

1993-2



REAR TRUCK COVER PLATE

1994-2



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