



F7 Type Gearbox, 2 pieces

65057

THE PRODUCT

Attention! This product is intended for advanced users only.

These gearboxes are intended for kitbashing and scratchbuilding projects. Each gearbox features:

- protected mechanism with seven-pole Bühler motor
- four powered wheels
- six power pickups

One of the gearboxes is equipped with a traction tire.

THE PROGRAM

With this model, we recommend the following item:

- 65003 American Diesel Sound Unit
- For information on the complete LGB program, see the LGB catalog.

OPERATION

Electrical connections

Each gearbox is a “D” gearbox. On top of the gearbox are four pins (Fig. 1):

ws/br (white/brown): track power pickup connections

ge/gr (yellow/green): motor connections

Each gearbox will work only if the white (ws) and yellow (ge), as well as the brown (br) and green (gr) pins are connected. This routes the current from the tracks to the motor.

Power Supply

Attention! For safety and reliability, operate this model with LGB power supplies (transformers, power packs and controls) only. The use of non-LGB power supplies will void your warranty.

The motors of the gearboxes are designed to operate on 0-24V DC. Use this model with LGB power supplies **with an output of more than 1 amp**. For more information on LGB power supplies for indoor, outdoor and multi-train operation, see the LGB catalog.

Attention! After extended operation, this model may leave carbon dust or other debris around the track. This dust and debris can stain carpet and other materials. Consider this when setting up your layout. Ernst Paul Lehmann Patentwerk and LGB of America are not liable for any damages.

SERVICE

Do-It-Yourself Service Levels

Level **1** - Beginner

Level **2** - Intermediate

Level **3** - Advanced

Attention! Improper service will void your warranty. For quality service, contact your authorized retailer or an LGB factory service station (see **Authorized Service**).

Hint: Additional expert instructions for many LGB products are available at www.lgb.com.

Lubrication **1**

The axle bearings should be lubricated occasionally with a small amount of LGB Maintenance Oil (50019).

Replacing the motor ③

- Remove the top of the gearbox by removing two screws.
- Replace the motor.
- Reassemble.

Attention! If the motor is removed, generously lubricate the gears with LGB Gear Lubricant (51020).

Replacing the brushes, pick-up shoes or wheelsets ③

- Remove the three screws on the bottom of the gearbox.
- Remove the bottom of the gearbox.
- Replace the wheelsets, pick-up shoes or brushes.
- Reassemble.

Attention! If the wheelsets are removed, generously lubricate the gears with LGB Gear Lubricant (51020).

Maintenance parts

- 50019 Maintenance Oil
- 51020 Gear Lubricant
- 55021 MTS Loco Decoder II
- 62201 Standard Motor with Short Shaft
- 63120 Brushes, Assembled, 14 mm and 16 mm, 8 pieces
- 63218 Standard Pick-Up Shoes, 2 pieces
- 69104 Traction Tire, 37.5mm, 10 pieces

LGB of America

Repair Department
6444 Nancy Ridge Drive
San Diego, CA 92121
USA
Telephone: (858) 535-9387
Fax: (858) 535-1091

You are responsible for any shipping costs, insurance and customs fees.

Hint: Information on LGB products and LGB representatives around the world is available online at www.lgb.com

CAUTION! This model is not for children under 8 years of age. This model has small parts, sharp parts and moving parts. Save the supplied packaging and instructions.

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AUTHORIZED SERVICE

Improper service will void your warranty. For quality service, contact your authorized retailer or one of the following LGB factory service stations:

Ernst Paul Lehmann Patentwerk

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