

Maintenance Operating Instruction for 44 Class Locomotive

Removing Shell for Maintenance

You must first remove the front and rear coupler (refer to attached exploded drawing). Note that the coupler pocket and coupler screw must be removed in order to remove the coupler. Grasp on both sides of the shell with your thumbs and separate the shell and the powered part. If the chassis doesn't separate, gently shake the locomotive until the shell and chassis separate.

Lubrication and Cleaning

Frequency

As with any precision mechanical equipment, occasional lubrication and maintenance is required for optimum performance. The locomotives, with their precision-engineered reduction gears, motor and chassis need only occasional, careful lubrication and cleaning.

- Model used infrequently or not at all should not be lubricated more often than once a year. Excessive
 amounts of lubricant can migrate to the driver tires and cause reduced tractive force and grime on rail
 heads.
- Models which are run often and pull long consists on grades should be inspected and lubricated every two
 or three months.

Instructions

Bearing Areas. A small patch of cloth held with tweezers should be used to clean bearing areas before lubrication. With the model upside down, place a drop of light oil at each wheel bearing. Do not over lubricate.

Worm Gears. By removing the body shell, the snap-on covers over the drive worms can be removed. Light grease should be applied to the worm gear with a toothpick.

Idler Gears. A drop or two of light oil can also be applied to the plastic idler gears below the worm gear. As they are made from slippery plastic, the gears require little maintenance.

To Obtain Warranty Parts:

- 1. Identify parts in attached exploded drawing and locate the part number for which part you need for maintenance.
- 2. Inform Trainorama the part number for which part you need for maintenance. Allow us 2-3 weeks for delivery.

Trainorama Company Address: 1001 VICTORIA RD WEST RYDE

Telephone number: 98096948

Fax: 98090650 Post Code: 2114

2069E001	Motor Assembly(72/88/89/90/91/109/105)
2069E002	Fuel Assembly (35/36/37/38/93/118/119/120)
2069E003	Coupler Complete(100/101/102/103/104)
2069E004	Staff Exchange Pair(18/19/122/123)
2069E005	Etching Grille Set(16/22/23/24/25/26/53/54/59/60/113)
2069E006	BogieAssembly(Front)(29/30/31/32/33/40/41/55/56/57/58/68/82/94/95/96/97/98/117/121/ 129/130/131/132)
2069E007	BogieAssembly(Rear)(30/32/39/40/41/55/56/57/58/68/94/95/96/97/98/121/129/130/131/
2069E008	Worm Shaft Assembly(82/83/84/85/86/87/99)
2069E009	Clear Parts(01/04/05/15/20/27/44/46/61/63/125/126/133)
2069E010	Inster Cab Parts(62/65/66/67/78/79/80/106/107)
2069E011	Speaker Assembly(134/135/136/137/138)
2069E012	Plastic Detail Parts(02/03/08/09/11/34/42/45/48/50/51/75/76/77/111/112/114/116/124)
2069E013	Metal Grabiron Parts(06/10/12/13/21/28/43/47/49/52/110/115)
2069E014B	Buffer Complete for 44Class Series 3 (07/127/128)
2069E015	Driver Figure(4pcs Figure)
2069E016	Bulb&Wire Holder(64/81/68)
Optional Part Assembly (44 Class Series 3)	

