

Motorising Lledo tram models

The first stage is to dismantle the diecast Lledo tram.



1. Inside the tram are 2 bright metal rods running from floor to roof. Turning the car upside down you will see the ends of these rods.



2. Each rod is surrounded by a plastic bush which, although not threaded, can be removed by pushing it round anti-clockwise with a screwdriver. The tram can then be separated. Retain all of the parts.



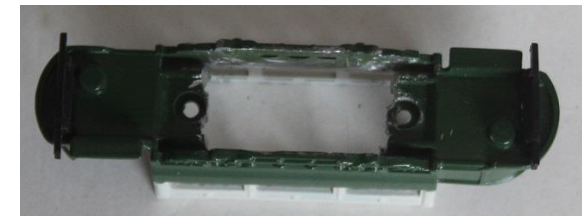
3. Separate the top and bottom halves of the tram.



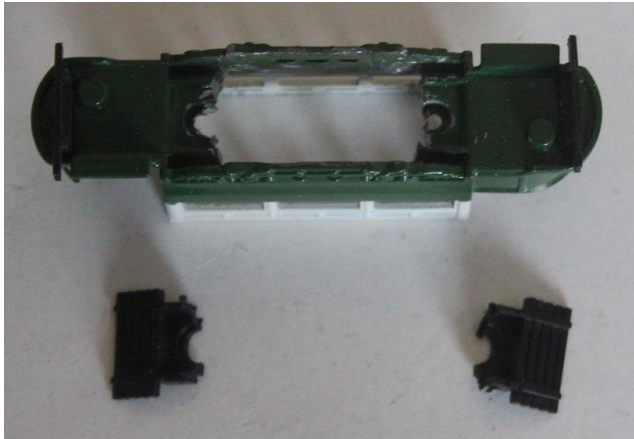
4. These rods also need to be removed from the upper deck casting by turning them and pulling at the same time or, on the open topped tram, by cutting them off with a saw.



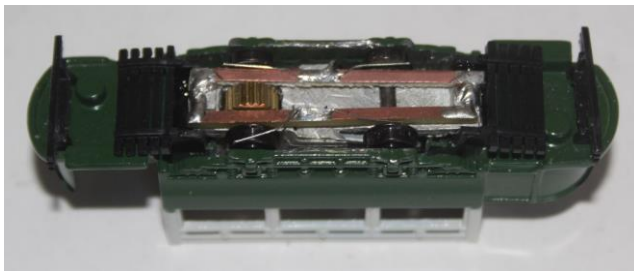
The lower deck floor should be removed by drilling a row of holes along each side of the body from underneath, through the lower deck seating and across both ends. These holes can be opened out, with a micro saw, into a slot to enable the floor to be removed. Then trim the ends back until the motor can be fitted.



5. Cut the lifetrays off the plastic lower floor, leaving enough to glue it to the metal floor.



6. Fit the lifetrays and motor in the floor.



7. Glue the upper and lower decks together.



Running and servicing

The bogies are checked, oiled and test run before they are packed. This oiling should be sufficient for many running sessions. If extra oil is required, use a light general purpose oil, such as bicycle oil. Apply a single drop about 1mm diameter on top of the worm gear, on the motor axle bearings only outside the motor (ensure none gets inside the motor) and underneath on the centre of the steel axles inside the copper-clad strips. Avoid oil and dirt contaminating the pickups on the backs of the wheels, which may cause insulation. Clean the wheel treads regularly.

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