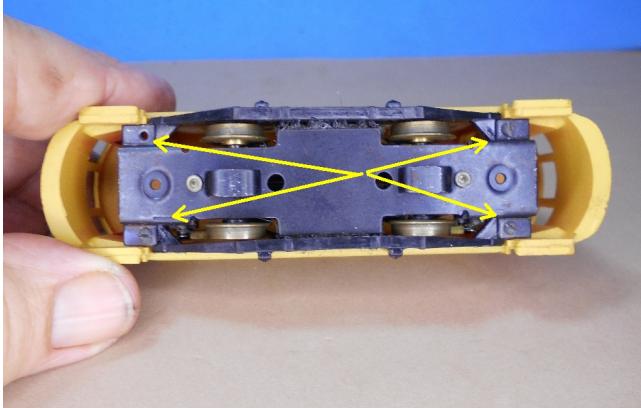
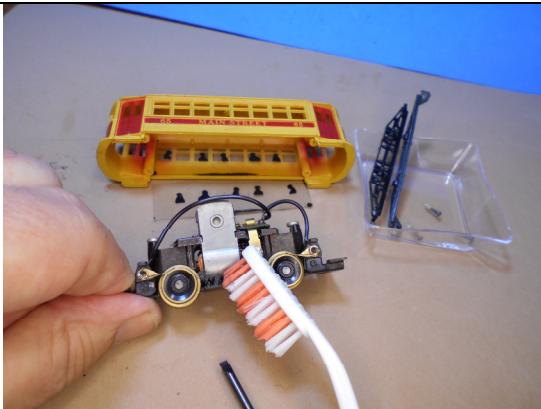


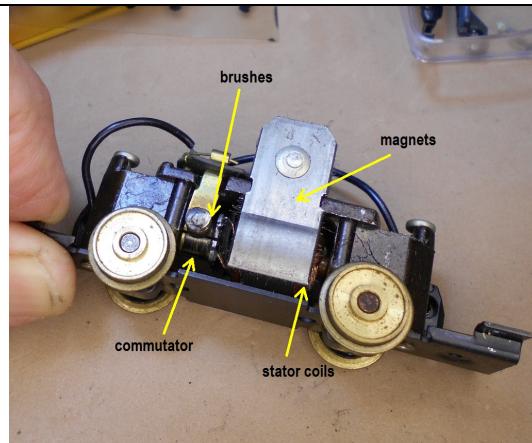
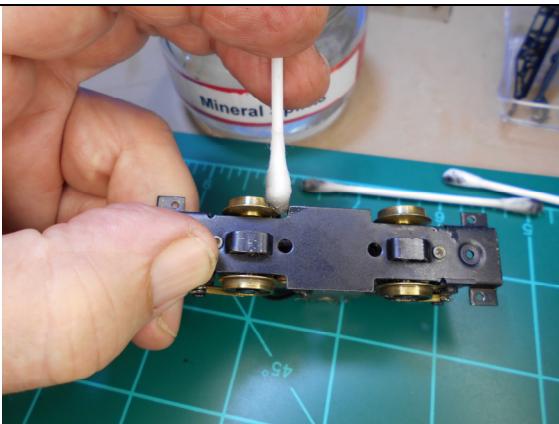
## TYCO HO TROLLEY REPAIR ([modeltrainssounds.com](http://modeltrainssounds.com) ) March 2022

Most used Trolleys especially those purchased at swap meets, train shows or online have some problems. These include poor running , parts missing or broken.

	
<p>This Tyco HO scale Main Street Trolley was purchased on eBay for a few dollars. The model ran rough and noisy. Maintenance of the motor was in order. Always check the operating status before buying and check for missing parts such as the tram pole.</p>	<p>The Tools and equipment needed include Q tips, a small screw driver, a tray for parts, an old toothbrush and some cleaning fluid. Mineral spirits (turpentine) is preferred though 70% isopropyl alcohol can also be used.</p>
	
<p>Some electrical spray and light machine oil is used for lubrication.</p>	<p>Disassemble the chassis from the cabin by removing the 4 screws in the corners of the undercarriage. Note the black grime on the wheels.</p>
	
<p>A flat blade screw driver is used. When disassembled note how the motor is oriented to the forward direction of travel for reassembling</p>	<p>Check the electrical contacts on the pickup wheels to be sure that they are making good contact. Adjust if necessary</p>

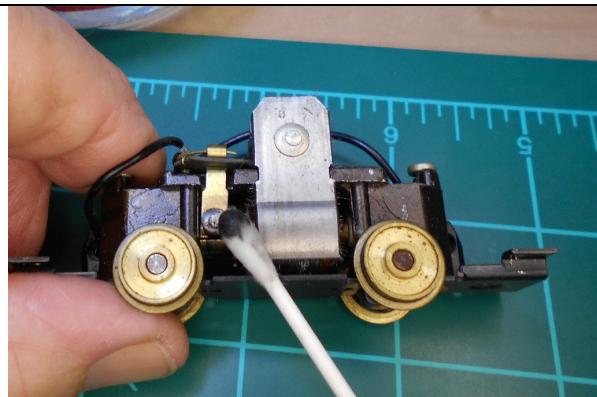
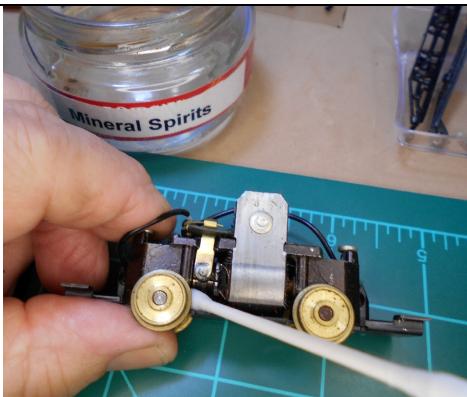


Check for any accumulated debris around and under the motor that can be removed using the Q tips or old tooth brush. A large amount of iron filings were noted here attached to the motor magnet and removed using the brush. The area can be cleaned with solvent.



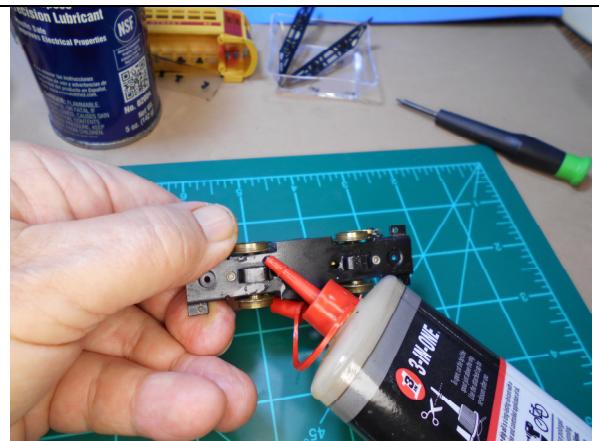
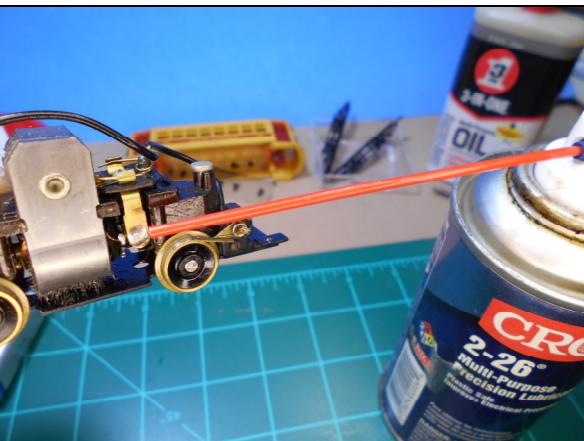
Clean the wheels using the cleaning solution on a Q tip to remove dirt and oxidation from the wheel track contact surfaces.

If the motor and lower wheel assembly can be dismantled by removing the 2 end screws do so. Most have 2 rivets that hold these parts together and cannot be removed..



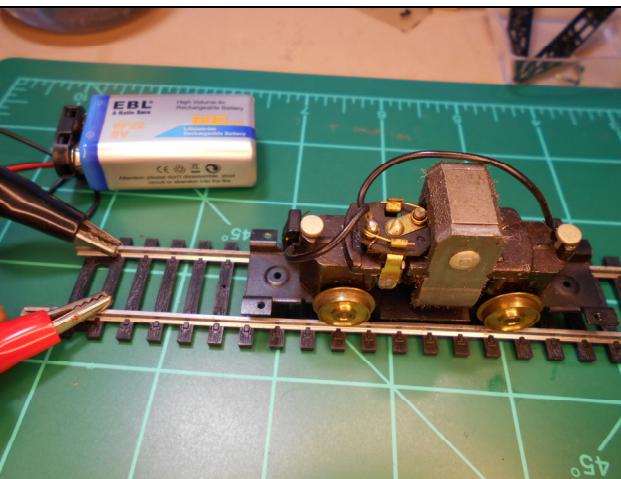
The commutator can still be cleaned by inserting the wet Q tip soaked in cleaning fluid and inserted into the opening between the wheels and motor and rotating the commutator and rotor coils .

Black carbon debris is cleaned off. If the motor can be disassembled clean the gear cogs and mounts with cleaner as well as the commutator and check the brushes. The brushes can also be removed by releasing the holding spring for better access to the commutator.



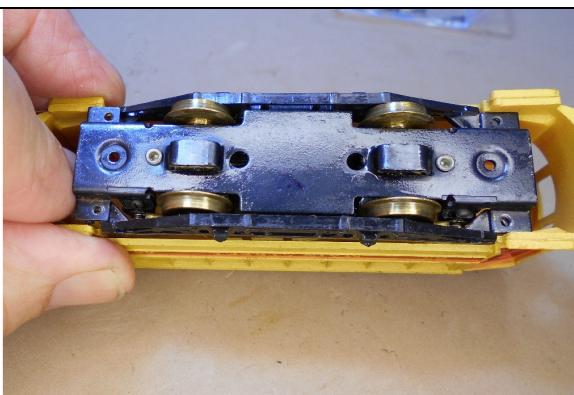
Spray the commutator with CD electrical spray.

Lubricate the wheels and gear mechanism with a small drop of oil. Wipe away excess oil .



Test the motor on the track for smooth running. A 9 Volt battery connected to the track can be used.

Clean the cabin and passenger silhouettes with mild soap and water.



Reinsert the motor and wheel frames onto the cabin and reattach the screws

This non motorized model can be a cheap source of parts such as the tram poles or passenger silhouettes .

To replace the electrical pole there are several options . You can buy a replacement online, remove a pole from an old non functional or dummy unit or make a replacement. Spare parts are often available on line at eBay etc. The part can be adapted and glued into the repair model.