

The **Stainz**, just like so many million others.



Geof's Stainz was 'reworked' to make a Quarry Loco. It was an early 1970's LGB production version.

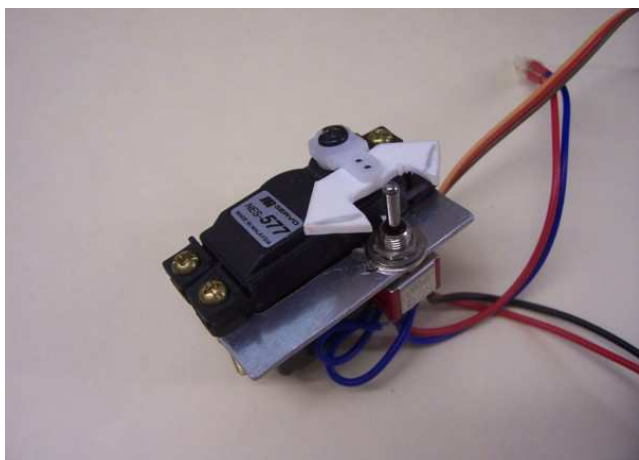


Geof likes James McInerney's rebuilt version.

Geof likes what Bill Cooper did with his version.

They both set a very high standard.

Geof made some changes. Spark arrestor was cut off, bell and whistle removed near Cab, added bigger eaves roof plate, coal bunker at back of Cab, extended side tanks forward, added footplate to front, new front buffer plate, buffers added, front step irons added and raised rear tail light. Geof's version has on board battery, 2.4GHz R/C, Sound cards, LEDs for directional lights, Sub Micro Servo 'Reverser'.

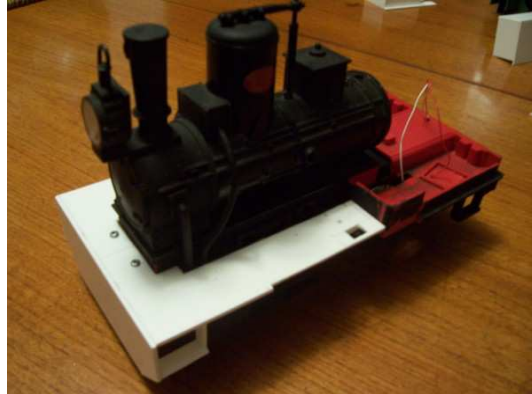
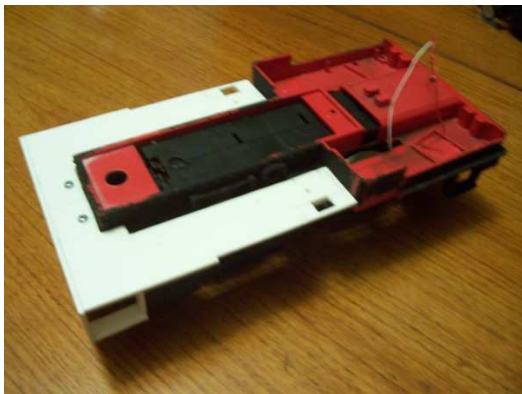


Space was tight for R/C and the standard size Servo with my usual Quadrant Plate that is used to change from Forward to Neutral then to Reverse, so I used a Sub Micro Servo & Conrod throw.

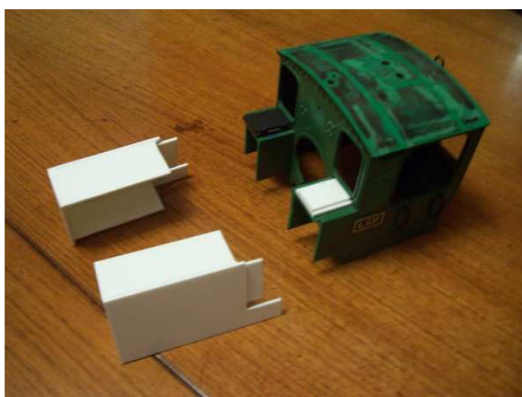


## So lets' see how we get rid of old Stainz.

Dismantle the original, make sub-assemblies to change it's character, ready to paint then re-assemble.

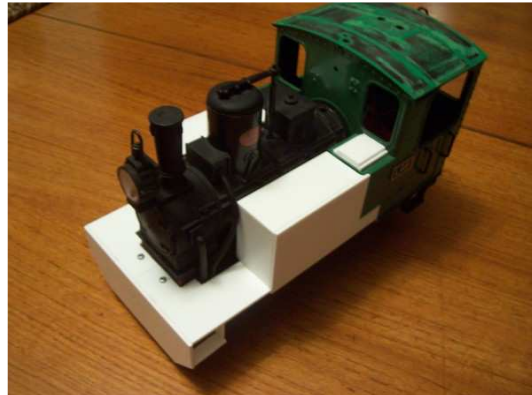


First, a footplate with front buffer plate and steps that stiffen the buffer plate against shunting bumps.



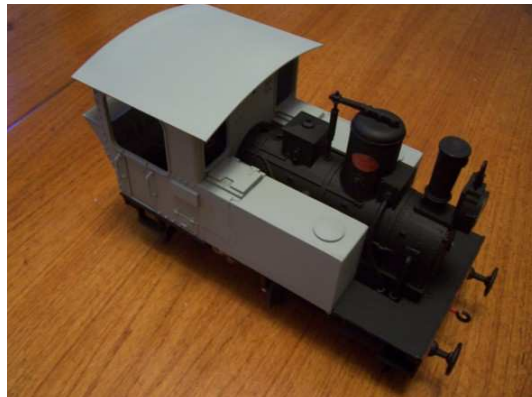
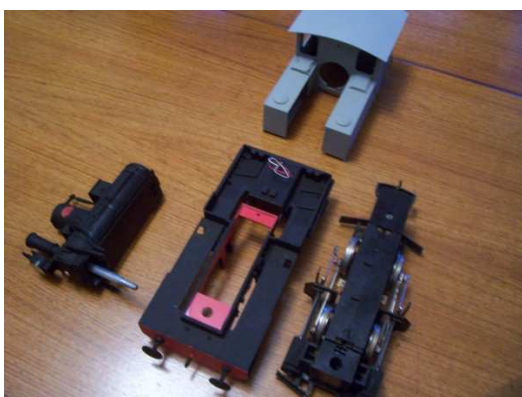
Then extended side tanks that mate with existing.

A small coal bunker added at rear Cab wall.



Trial fit sub-assemblies, prior to primer and paint.

Roof is sanded ready for overhanging new roof.



Painted prior to "weathering", the Stainz was then re-assembled ready for service on the BTR.

## The **Stainz**, Enhancements since initial build.

Geof purchased this Loco in 2005 from a person who had used it in a shop window display. This Loco ran anti-clockwise on a circular track, day in and day out for 10 to 15 years, though he was not real sure how many years. The wear in the plastic side frames where the axles run was substantial. The holes were oval by 1.5 to 2.0mm out of circular. The holes in the side rods were worn much larger than intended. Not long after acquiring the Loco I found this wear and corrected it by installing brass bearings on the axles and soldering brass wire 'rings' inside the holes in side rods to bring the ID back into Spec. On inspection during these recent enhancements, those improvements have stood the test of time and are performing really well.

The enhancement comprise;

- The initially installed 8 AA cells have been replaced by a LiPo 3S 1000mAh battery.
- The initial ESC has been replaced with a Turnigy 20Amp ESC for brushed Motor.
- A 'MyLoco' sound card has been added to produce the CHUFF sound.
- An Electronics 123, 20 second, sound card plays a small Loco Steam Whistle "Toot".
- A Turnigy R/C 'switch' (servo) activates the Whistle separately to the MyLoco Chuff.
- Changed Head and Tail Light LEDs to a Warm White in lieu of the initial Blue White.
- A new motor and worm gears were fitted as the originals were worn and noisy.
- The old single tyre was worn so replaced it with a new LGB Tyre.



The Loco in service is strong and reliable.