NSWGR 58 Class.

By Dave Pallas.

5801 - 5813

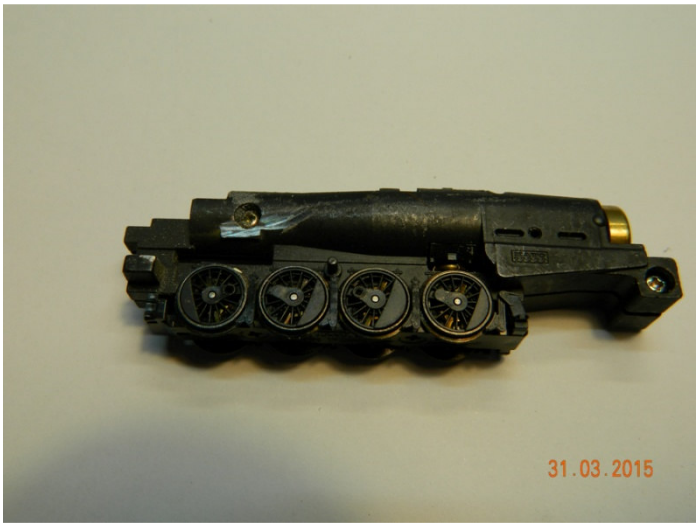
Contents : 1 Urethane body, 1 tender top and floor. 18 x hand rail post. 2 x 0.3mm wire and 2 x decal sheet. Requires 1 Kato Heavy Mikado, paint and glue.

Please read all the instructions first before starting.

Step 1: clean up any flashing on the casting. Disassemble the Kato loco. You will need to keep the mechanism, tender bogies and drawbar.

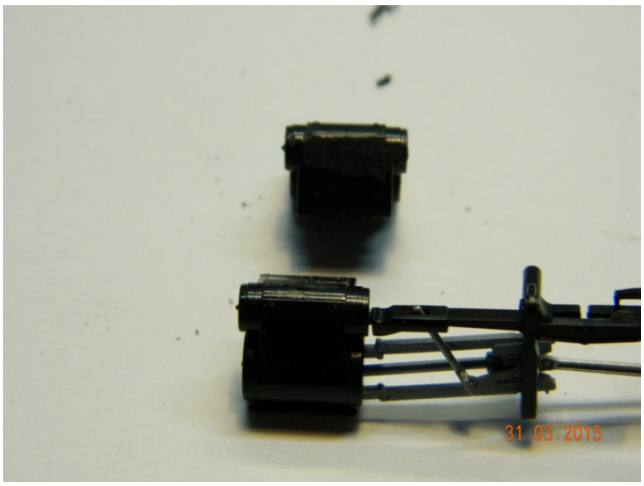
Once the mechanism is disassembled you will need to remove the front 2 lugs located below the front screw in order for the body to fit.



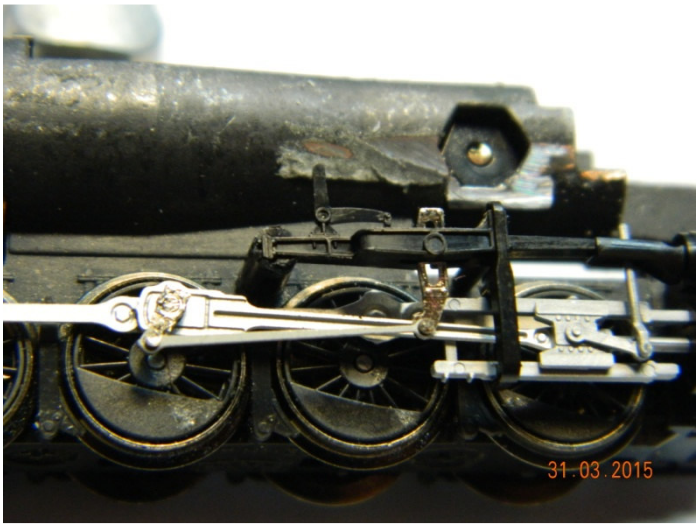


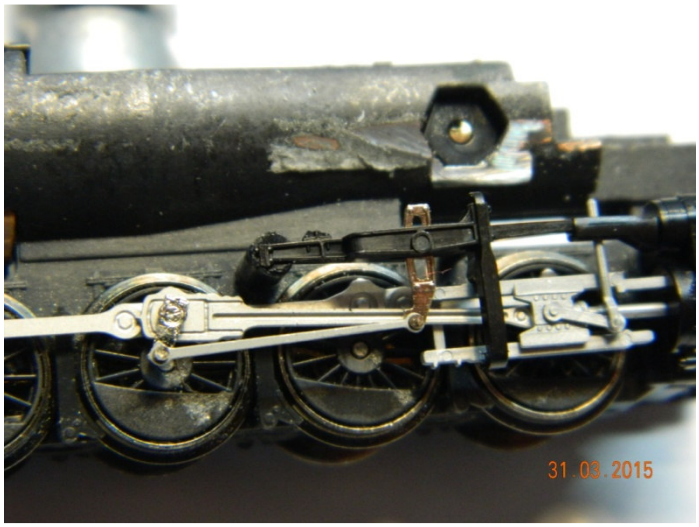
The pictures show the modifications needed. Running gear removed for clarity. Test fit chassis to body. It should be a firm fit, if not carefully file away inside the body to provide clearance. But be careful as the body is very tin in places. This is the only major modification needed on the chassis.

Step 2:

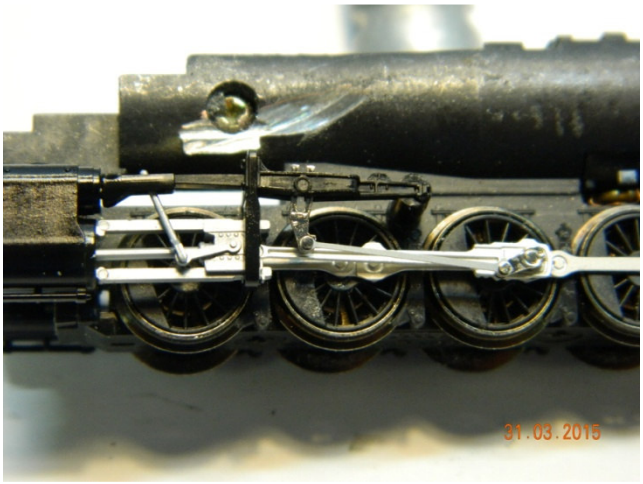


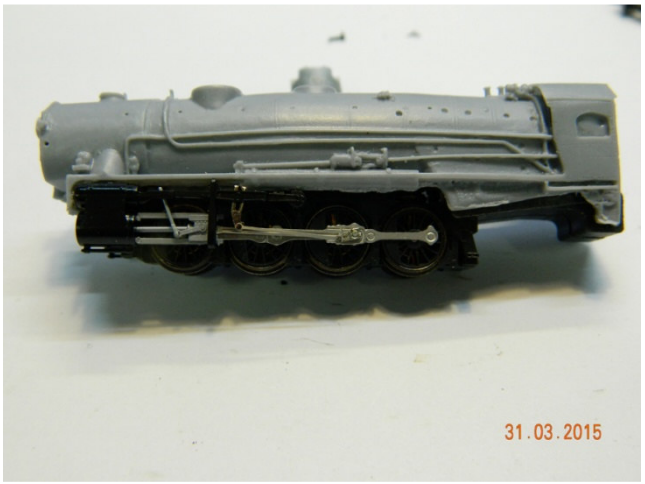
The picture on the left shows the modified cylinders. You will need to remove and file flush the steam delivery pipe from the top of the cylinder. This can be done with the cylinders still attached to the chassis. The next parts to be modified are the motion support brackets.





The photo on the left shows the detail item that needs to be removed. The right picture shoes it removed.





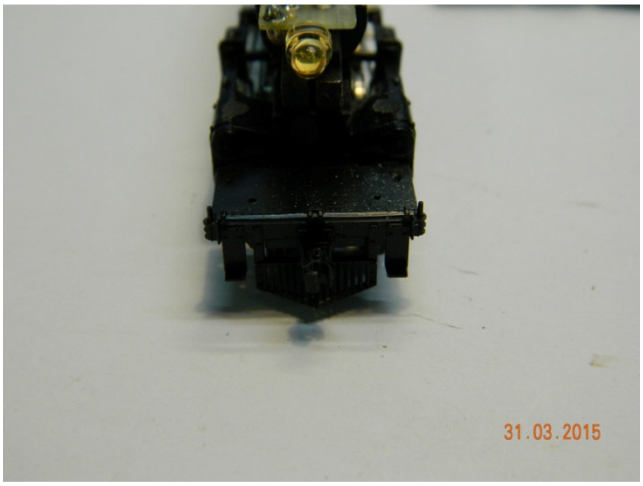
I also found the the silver piviting bracet also need to be trimed down the clear the body. Chassis tested fitted to the body. That is all the chassis modifications.

Step 3: The body.



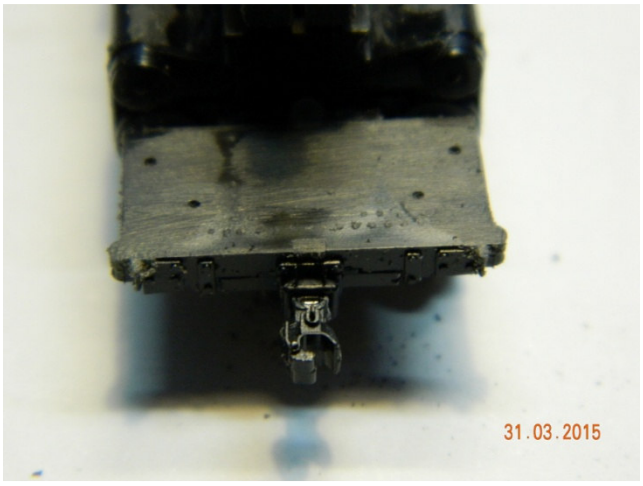


Fitting the hand rails. There are 8 brass hand rail posts on the left hand photo and 9 hand rail posts on the right hand photo. You will need to drill a 0.8mm holes at each of dimples. Ok the hand rails on the 58 are different to the 57. On the 58 the hand rail curves arond the top of the smoke box door. I have not been able to get the hand rails to form to my satisfaction so have not done it in theses photos. I have supplied the extra hand rail post for above the smoke box door. Glue the hand posts in with super glue useing the supplied 0.3mm wire to line up the holes.
At this stage you can also drill out the head light. I drilled it out with a 1.2mm drill bit followed by a 2mm drill bit.





Front pilot modifications. You will need to remove the cow catcher and leave both sets of steps on. You will also need to file the top detail off the pilot to give a smooth surface for the fitting the body. Also for the ease of appling the decals to the buffer beam, file off the detail between the coupler and the steps. Note bend the led headlight up to give betterlight out of the head light. I decided to give up using the dummy coupler and have supplied a z scale front coupler. With the body fitted to the chassis locate the front coupler and drill a 1mm hole through the front platform and into the body. Use the supplies screw to attach the coupler and body to the chassis.

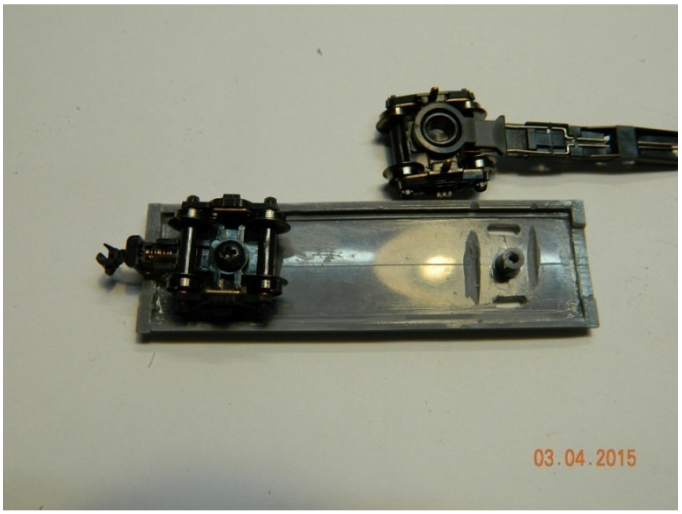




Drill buffer beam with a 1mm drill for buffers.

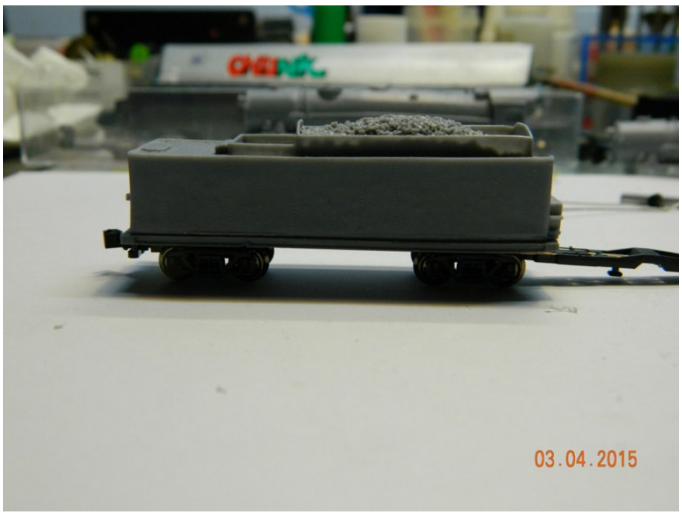
Step 4; Tender.





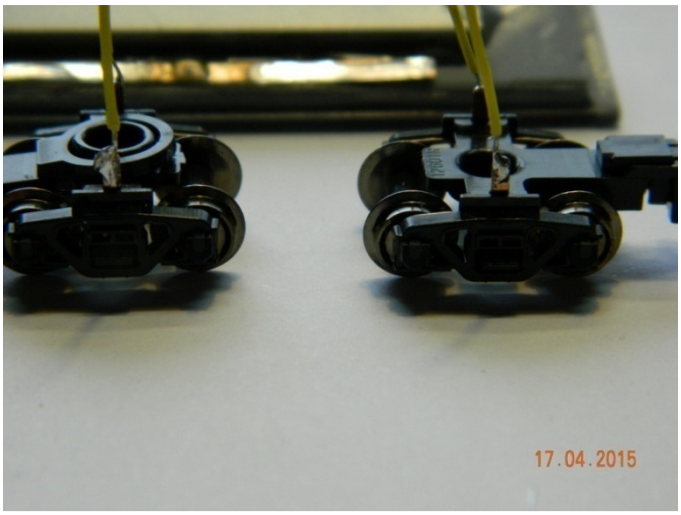
The left hand photo shows the parts required. Not shown are the bogie screws, power pick up strips and ladder. The first step is the drill the bogies posts with a 1.2mm drill and trap the hole with the screws from the kato tender. Make sure you drill the holes square. Drill out the holes for the power pickups.



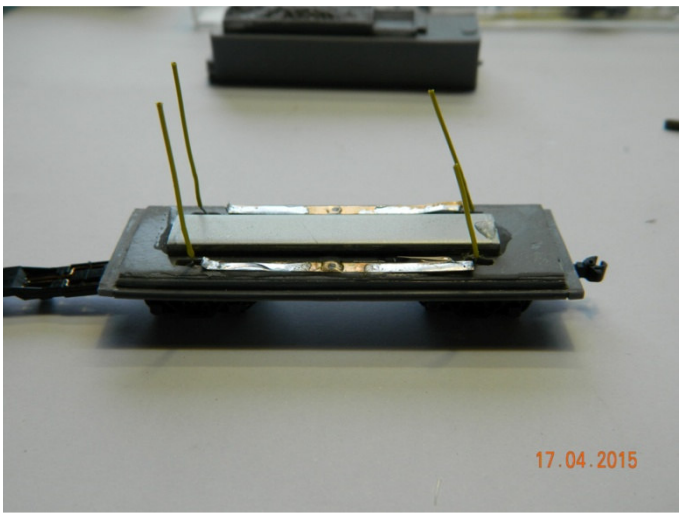


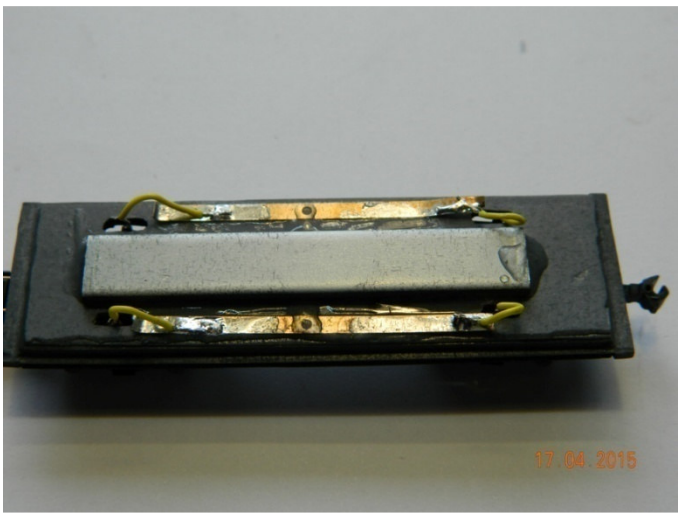
Test fit base and body. File as neccesary . Test fit the bogies and check for clearance.



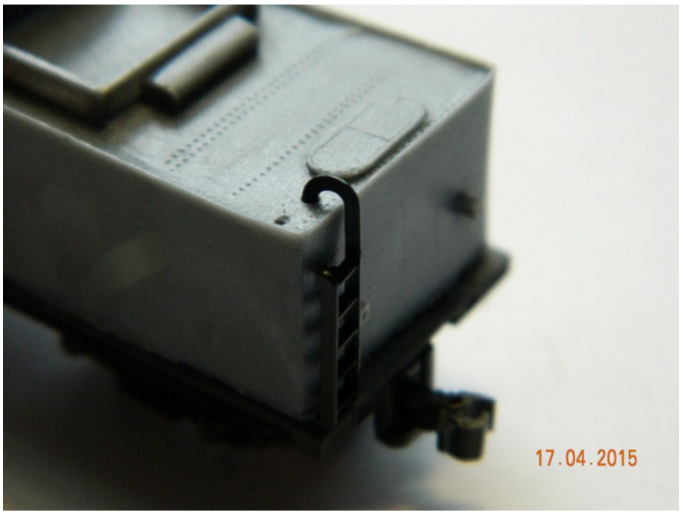


Glue the wieght and pwer pick up strips to the chassis. I used 5 minute Arldite. Make sure the wieght is centered and does not tough the poer pick up strips. Next attached 4 short pieces of wire to the bogies as shown. At this stage is is a good idea to paint the chassis. Not forgeting to paint the buffer bean red, (yes I forgot).





Solder the wires to the strips as shown. Remembering to leave enough wire to allow the bogie to pivot.





At the time of doing the kit I was unable to source suitable brass ladder. (This may become available latter.) Using the ladder from the Kato tender, drill a 1mm hole in the top of the tender as indacated and glue ladder in place.

Step 5: decals and painting.





Paint the loco which ever shade of black you preffer. Buffer beams picked out in red.
Decals adhear best to a gloss surface. Cab numbers are brass cloloured, the tender can be either yellow or white.I used white as it showed up better in photos.
The decals are locoated in the same positions on the 58 as they are on the 57. Which is why I have used the 57 photos above.
Weather and dulcote your loco to you liking. Fit the body to the chassis and refit the tender draw bar to the loco. Test run and your loco should be ready to add to your roster.
Any problems or questions please feel free to contact me.
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