# NSWGR 57 Class.

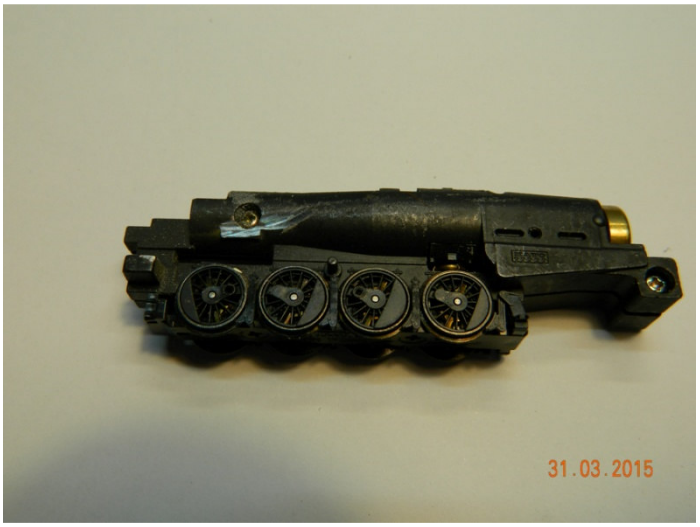
By Dave Pallas.

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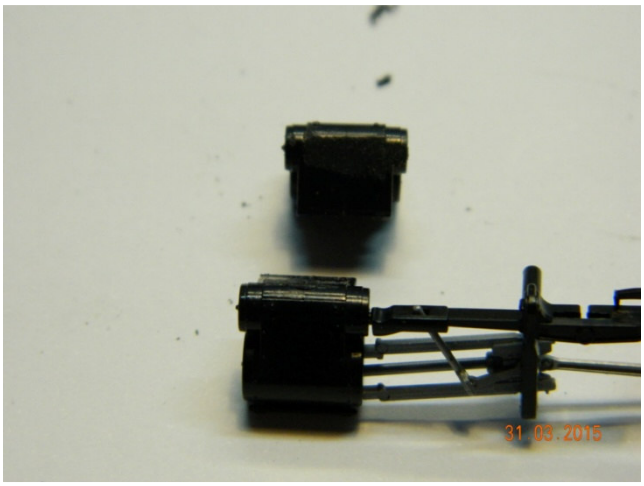
Contents : 1 Urethane body, 1 tender top and floor, 1 conjugating beam casting. 18 x hand rail post.
2 x 0.3mm wire and 1 x decal sheet. Requires 1 Kato Heavy Mikado, paint and glue.
Please read all the instructions first before starting.

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.

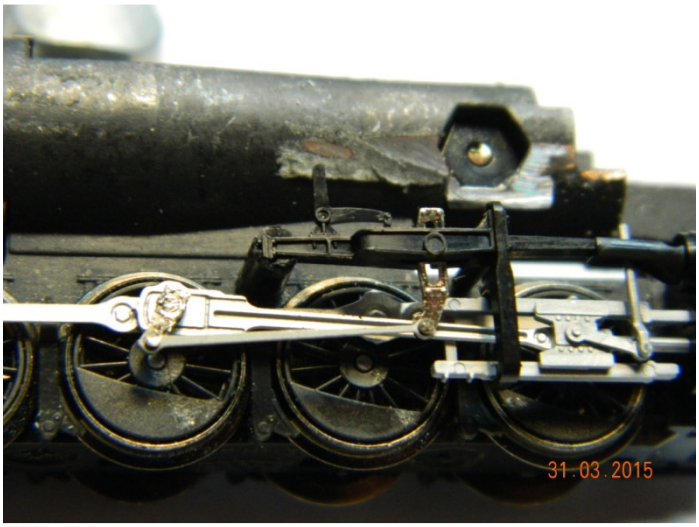


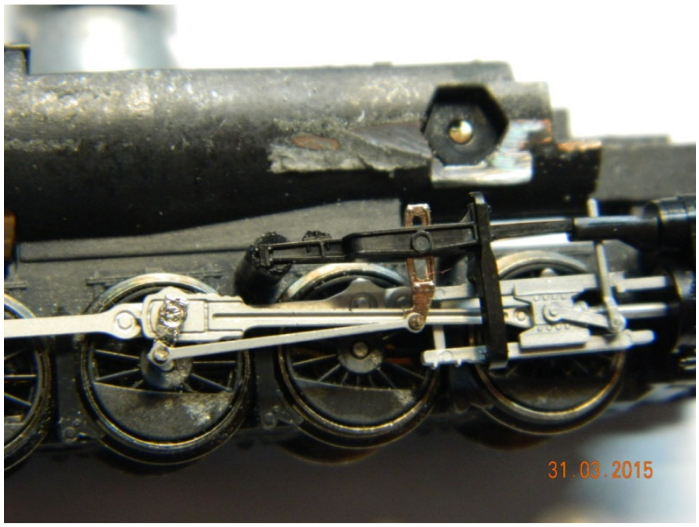




The pictures show the modifications needed. Running gear removed for clarity. Test fit chassis to body. It should be a firm fit, if not carefully file away inside the body to provide clearance. But be careful as the body is very tin in places. This is the only major modification needed on the chassis.
Step 2:

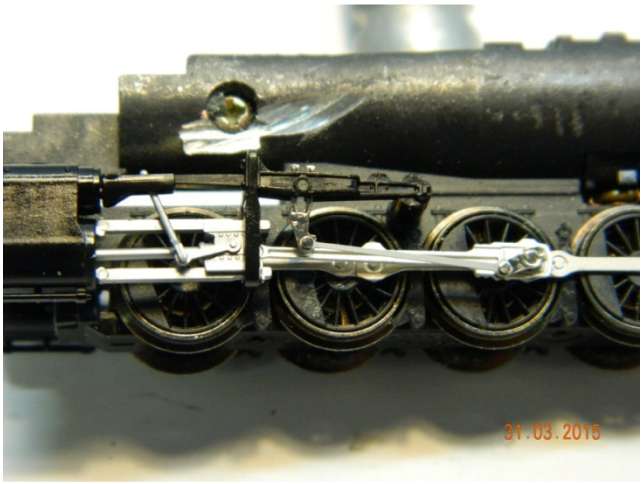


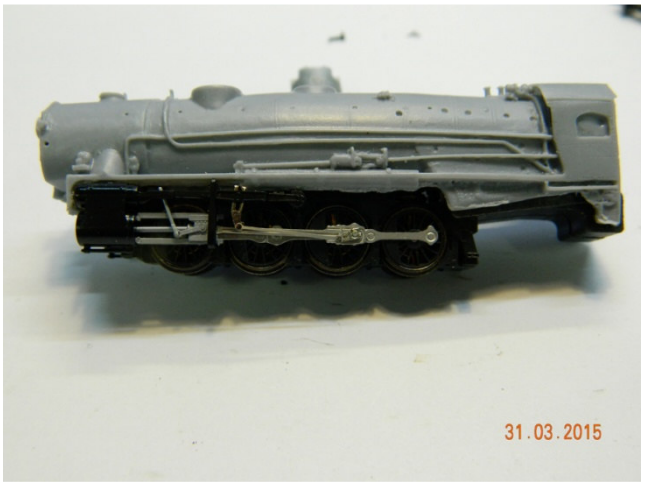

The picture on the left shows the modified cylinders. You will need to remove and file flush the steam delivery pipe from the top of the cylinder. This can be done with the cylinders still attached to the chassis. The next parts to be modified are the motion support brackets.





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

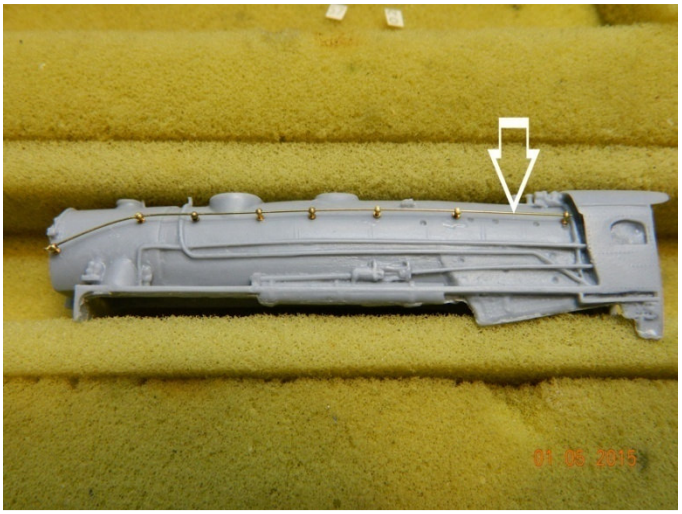




I also found the the silver piviting bracet also need to be trimed down the clear the body. Chassis tested fitted to the body. That is all the chassis modifications.

Step 3: The body.




Fitting the hand rails. There are 18 brass hand rail post supplies. 9 per side. You will need to drill a 0.8mm holes at each of dimples. Now just to prove I am human I made a mistake. In the photo on the right indicated by the arrow I missed a hand rail post. Be careful here as it is not a dimple but a pimple. You made need to file it down before drilling. Glue the hand posts in with super glue useing the supplied 0.3mm wire to line up the holes. Do not glue the post into the hole on the smokebox yet. Once all other post are in insert the wire all the way through to the cab. Now add the last post to the wire and flex wire down so as to insert the post into its hole. Glue in place. Once glue has dried trim the wire back to the post..

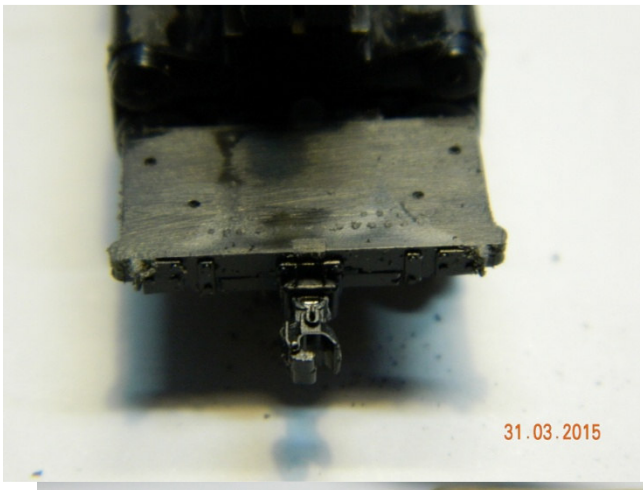
At this stage you can also drill out the head light. I drilled it out with a 1.2mm drill bit followed by a 2mm drill bit.





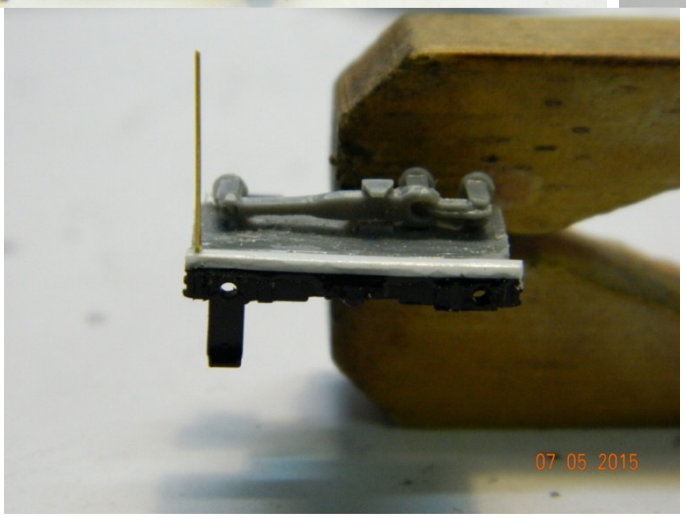


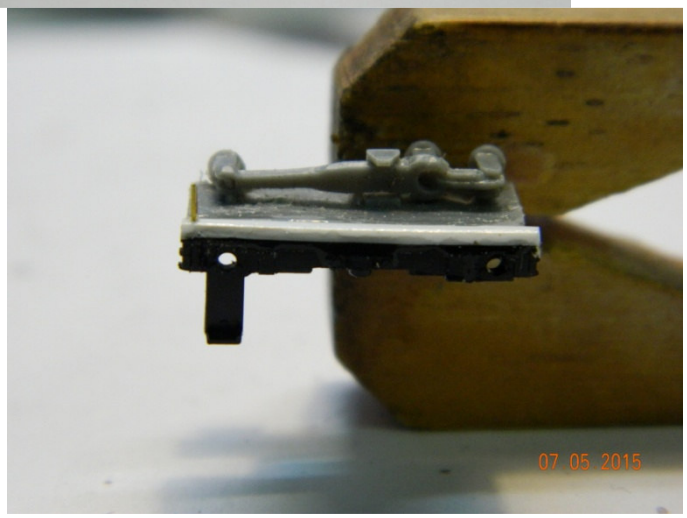
Front pilot modifications. You will need to remove the cow catcher and the right hand step only. I goofed and removed both steps. If you wish you can leave the dummy coupler in place. I had to reglue it with super glue. Or you can fit the other front coupler supplied with the loco. You will also need to file the top detail off the pilot to give a smooth surface for the fitting of the cungating beam.Note bend the led headlight up to give betterlight out of the head light.









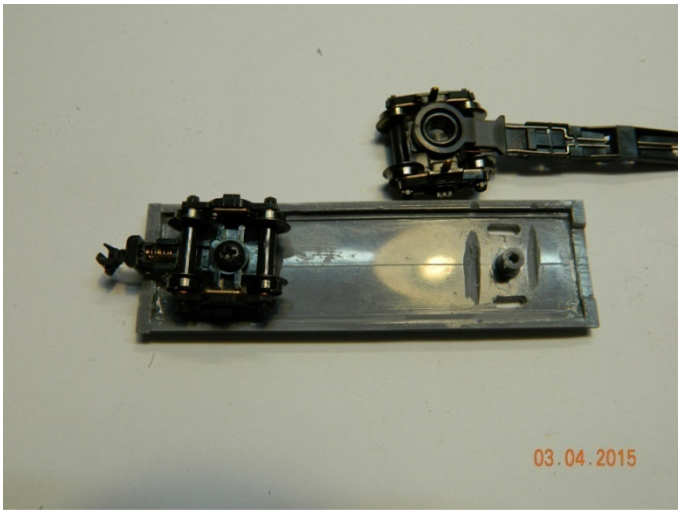




Clean the cungating beam casting up of any flashing, making sure it is all square.With the body fitted to the chassis carefully super glue the cungating beam casting to the pilot making sure not to glue it to the body. Topright hand photo. The gap between the casting and the front of the pilot can be filled with the piece of supplied styrene. As shown in the lower 2 photos above. Using a piece of the left over hand rail wire, drill a 0.4mm hole in the corner of the styrene. Glue in the wire and trim to about 3-4mm high. Note keave the left hand step in place.

Drill buffer beam with a 1mm drill for buffers. To remove the pilot for painting gentle prise the cyclinders away from the chassis. Pilot will easily come off. reverse the procedure to replace.

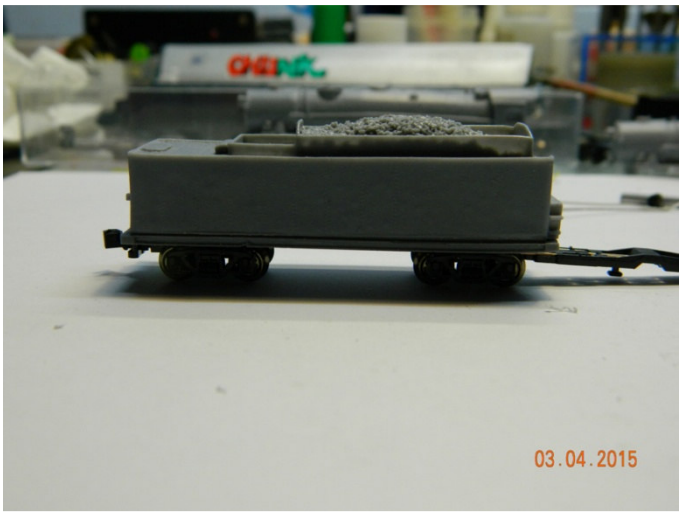
Step 4; Tender.



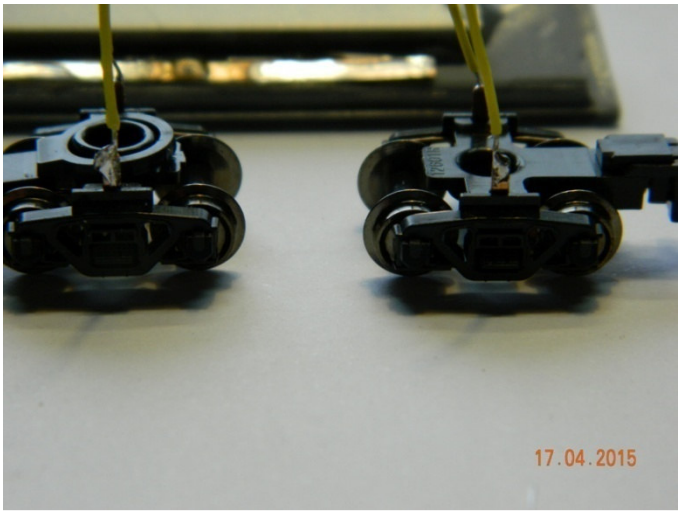

The left hand photo shows the parts required. Not shown are the bogie screws, power pick up strips and ladder. The first step is the drill the bogies posts with a 1.2mm drill and trap the hole with the screws from the kato tender. Make sure you drill the holes square. Drill out the holes for the power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



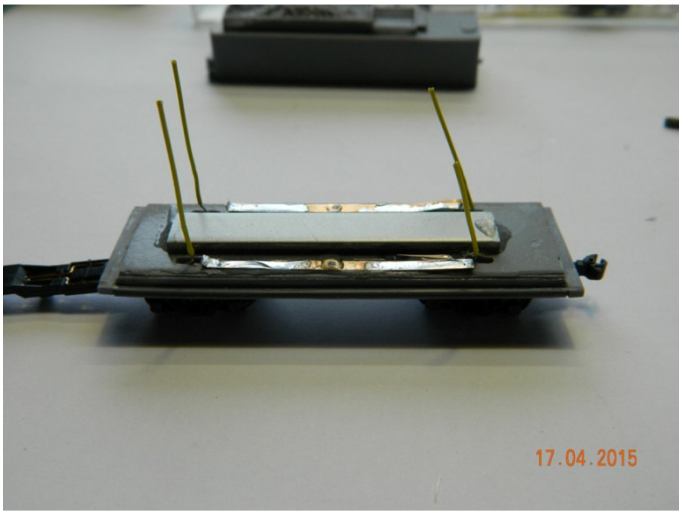



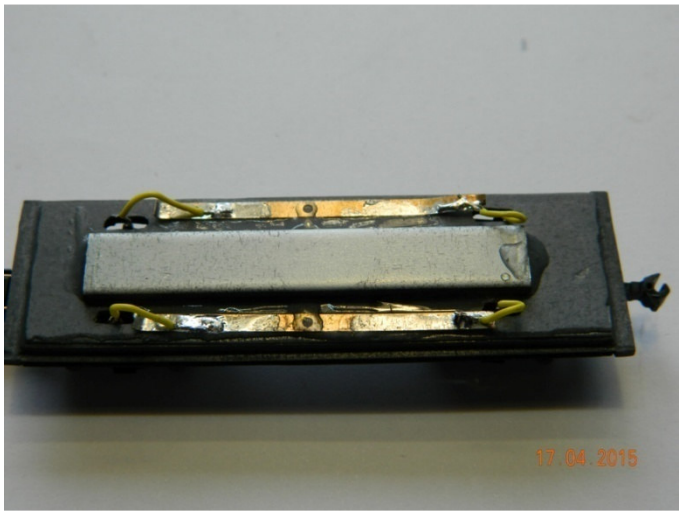

Test fit base and body. File as neccesary . Test fit the bogies and check for clearance.

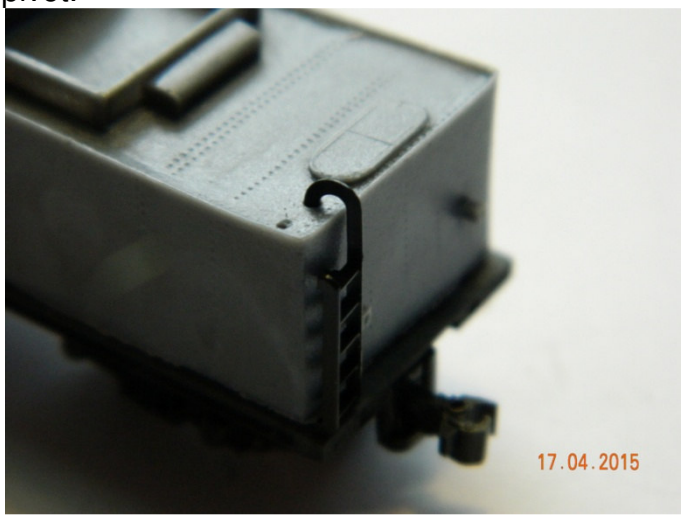



Glue the wieght and pwer pick up strips to the chassis. I used 5 minute Arldite. Make sure the wieght is centered and does not tough the poer pick up strips. Next attached 4 short pieces of wire to the bogies as shown. At this stage is is a good idea to paint the chassis. Not forgeting to paint the buffer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