

SM42D Etched Walkway (large platform) for Bachmann TTA.

Please note that the folds do require the use of bending jigs such as the hold and fold. The 90° folds have the half etch on the inside. The 180° folds have the half etch on the outside.

Safety warning.

This kit is suitable for adults only. There are small and/or sharp components. The castings and recommended solders contain lead. Observe appropriate hygiene precautions; do not eat or handle food without first washing hands. The tools and materials recommended also require the care in handling; protection for the eyes and face (dust mask) must be applied when soldering and using a mini-drill.

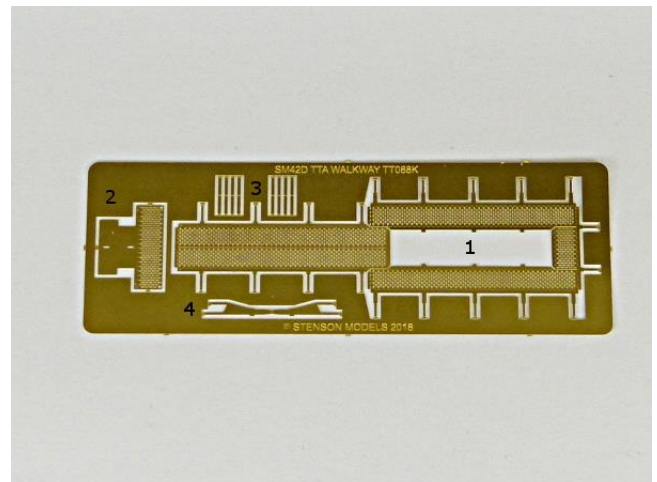
This walkway converts the Bachmann TTA to the following Norbrit Pickering design codes:-

TT088K

TT088Z (note some wagons with this design code have a walkway the same as Stenson Models SM37D)

Parts List

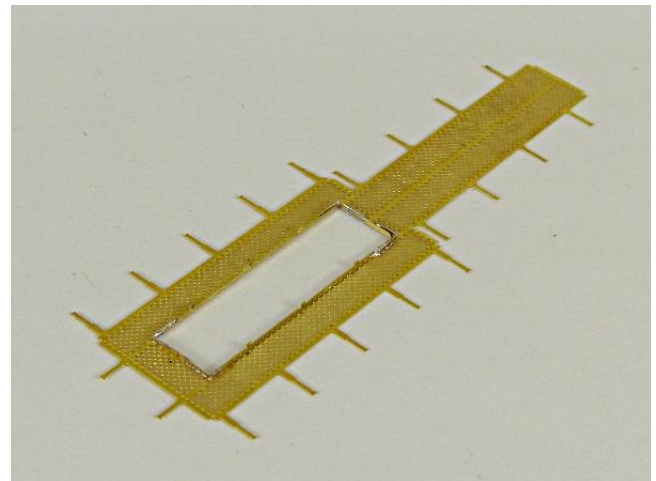
- 1:- Main Walkway and Platform
- 2:- End Platform
- 3:- Re-enforcing Strips (including two spares)
- 4:- End Platform Support



1. Remove the walkway (1) from the fret. Using the hold and fold jig to hold the platform and carefully bend the four inner walkway edges.

Remove a corner re-enforcing strip (3) from the fret and fold at 90°. Apply flux to the corner to be re-enforced and hold the strip in place with a pair of tweezers. Locate the strip in place using a small amount of solder at the corner, allowing the solder to flow along the joint. Do not apply excess solder otherwise the mesh pattern will be flooded. Repeat until all four inner corners are done

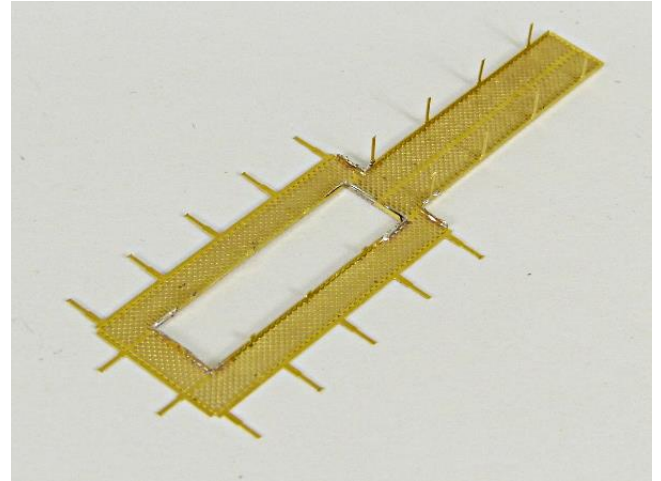
Tip:- If you are having trouble picking up the correct amount of solder, cut slivers off the coil with a scalpel first.



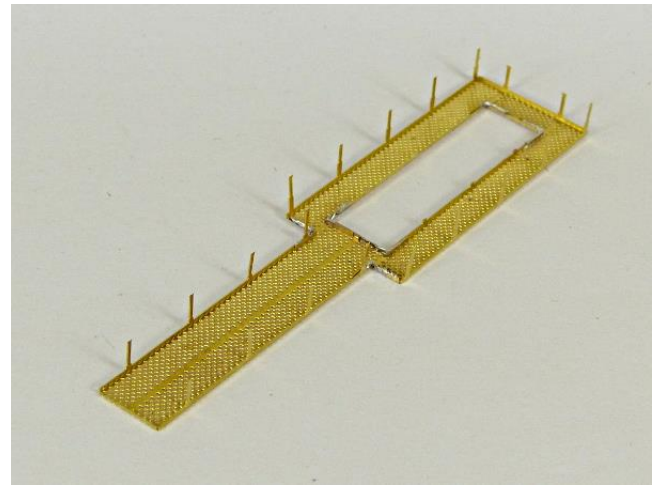
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- Next fold the two edges along the length of the walkway using the hold and fold tool. Then fold the two small edges along the end of the platform.

Apply two re-enforcing strips (3) to the inner corners as above.



- Finally fold the two edges along the width of the platform and those at either end with the hold and fold tool.



- Carefully remove the moulded walkway from the tank. The ladders are a push fit and should just come out of the holes on the underframe. The walkway itself is held onto the tank in three positions on its underside.

Starting at the ladder end slide a scalpel underneath the walkway. Move the scalpel to and fro until the join is broken. Then move onto the next join.

It should be noted there is variable usage of glue, with some joins being more stubborn than others.



- Cut out the template provided and temporarily fix to the barrel using Prit Stick or similar glue. The line down the centre of the template should line up with the centre mould line on the barrel. The two lines at 90° should line up with the barrel joins.

Use a pointed implement like a compass point to mark the positions of the walkway uprights. Then use a 0.7mm \varnothing drill to create the holes for the walkway uprights.



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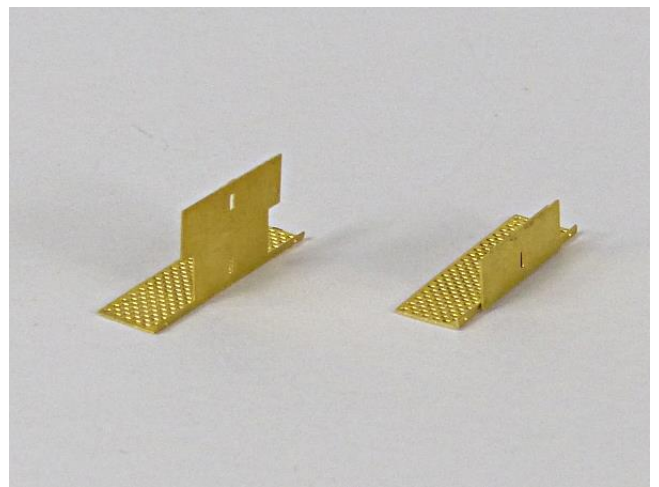
6. Offer the walkway to the barrel and carefully 'tease' the uprights into the holes just drilled. Clean out and adjust the holes as required.

Note that the platform needs to be carefully manoeuvred around the filler cap to prevent any distortion.

Don't fix the walkway in place just yet.



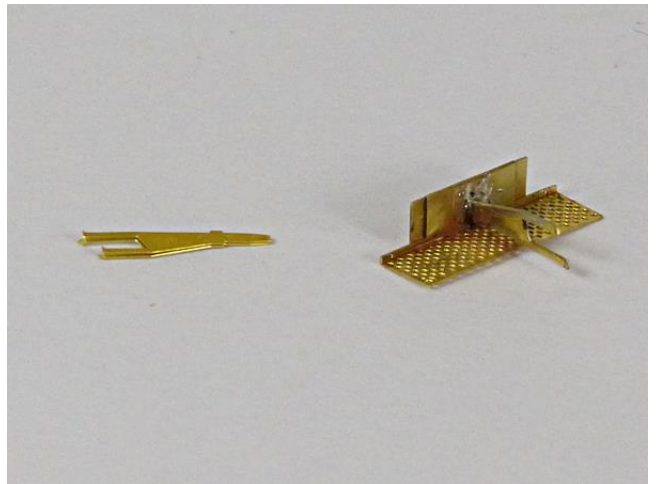
7. Release the end platform (2) from the fret and remove any residual half etch tabs. Using the hold and fold tool create a 90° fold for the edge as shown on the left. Then create a 180° fold as shown on the right. Apply appropriate pressure with pliers to ensure the bend is tight.



8. Next release the platform support (4) from the fret and fold through 180° ensuring the bend is tight. Run a small amount of solder along the joint to hold the two halves together.

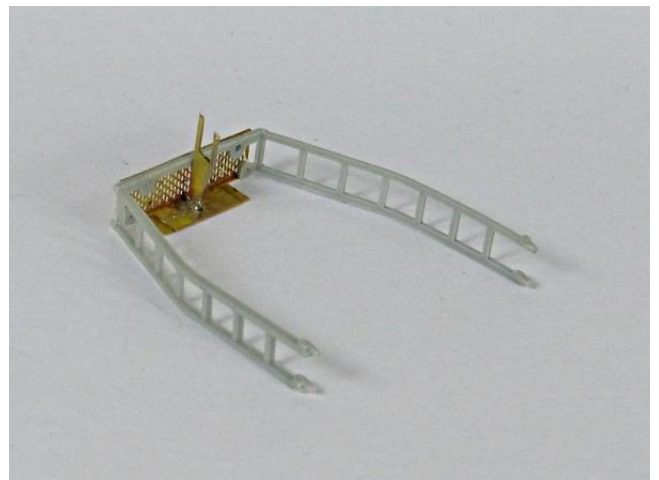
Position the support through the number board with the straight edge towards the platform. Solder these parts together ensuring all is square.

Remove the tab from the front of the number board and clean flush as appropriate.



9. Carefully separate the ladder moulding from the main plastic walkway using a scalpel. It is recommended that the surrounds for the mounting pins be removed.

Slide the etched platform around the ladders as shown. It should be a snug fit between the platform support and the platform itself. Apply cyanoacrylate glue (CA) sparingly along the edges with a scalpel blade to secure in place. Take care not to flood the walkway pattern.



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10. Take a small length of masking tape and place it along the centre of the barrel as shown. Use the centre mould line, the number 5 and the coupling hook as guides.

Place the locating pips of the ladder in the hole on the underframe and put the locating tags on the walkway support against the barrel. Mark off where the two holes for the support are to be drilled.

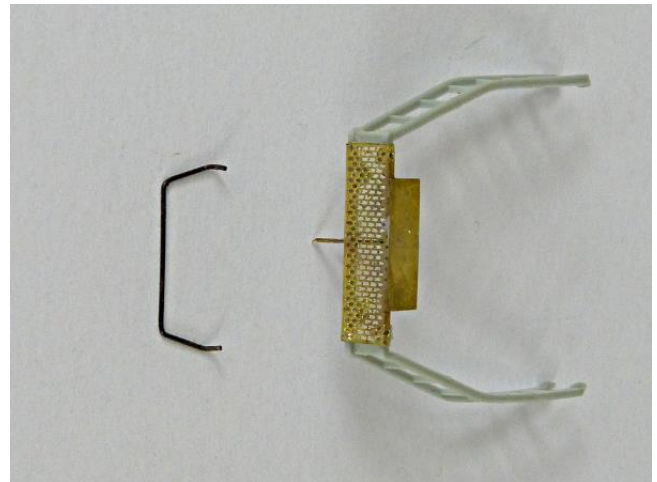


11. Use a pointed implement to mark the position of the holes and drill out with a 1mm Ø drill. Offer the platform assembly to the barrel to ensure the fit is correct.



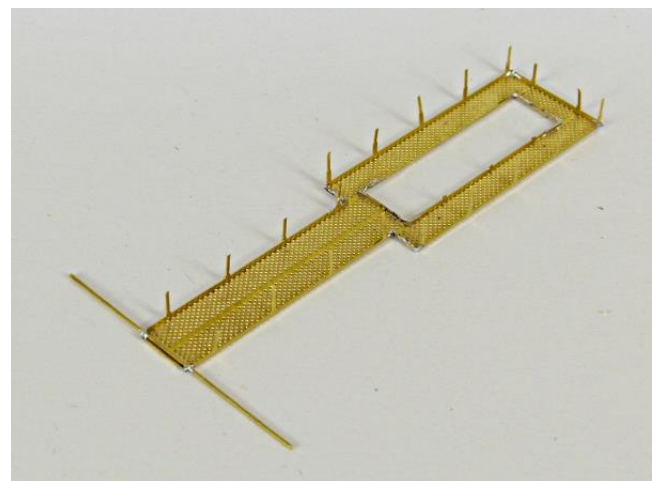
12. Remove the walkway and the end platform. On the end platform there are two holes on either side of the number board for an end handrail and two holes at the rear face. Enlarge and drill out these holes with a 0.5mm Ø drill.

Remove the handrail from the existing moulded platform and bend the last 1mm of each end through 90° so as to locate in the holes either side of the number board.



13. On the end of the main walkway there are two holes on the edges. Enlarge these using either a broach or a **sharp** 0.4mm Ø drill. Through these holes thread a length of 0.4mm Ø wire (not supplied) sufficiently long to form the grab rails to the end platform and solder in place.

Re-enforce the four corners around the platform with a small amount of solder taking care not to flood the thread pattern.



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14. Reassemble the walkway and end platform to the barrel. Bend the wire to form the handrails between the walkway and the end platform. Trim the wire as appropriate.

The walkway is now ready to be attached to the tank barrel with cyanoacrylate adhesive.

Before this task is performed it is advisable to paint the walkway and fill in the holes on the barrel first. Tamiya Fine Surface Primer – Light Grey has been found to be a reasonable match to the grey of the tank body.



The wagon modelled is also shown fitted with replacement Brake Lever and Bruninghaus Springs. Both of which are available from Stenson Models.

<http://www.stensonmodels.co.uk/product/tta-mka-mta-pna-poa-zka-replacement-brake-lever-4mm-sm16d/>

<http://www.stensonmodels.co.uk/product/tta-mka-mta-pna-poa-zka-bruninghaus-springs-4mm-sm36d/>

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