

MAXITRAK

The best of model rail & road

Over 40 years of model making excellence

3/4" Scale Allchin

Showmans Conversion Instruction Manual



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Welcome to the hobby of Model Engineering, from

Maxitrak Ltd.

We thank you for selecting one of our models, which we trust will provide you with long-term enjoyment, in both its building and operation.

This construction manual provides build instructions and operational procedures for your model. The same manual is supplied with all models, irrespective of how the model is ordered i.e. Ready to Run, Fully Machined Painted Kit or Un-painted kit, therefore some pages may not be relevant for your model, but nevertheless could be useful in the future.

We have a policy of continual improvement to our product range, including on-going updates to the construction manuals. This is based on our own experiences and feedback from customers. We invite customers to contact us regarding their experience on any matter during the build or operation of their loco, should they consider there are errors, misunderstandings or procedures that could be better described in this manual.

We aim to provide a good quality basic model that is easy to build, operate and maintain. We also encourage, support, and will assist, customers who wish to implement their own modifications, and we are also pleased to receive photographs of models to retain in our files.

We wish to ensure that all customers are able to build and operate their model to their expectations, for which we have a 'help-line' available to provide technical and operational advice regardless how insignificant it may be considered.

We offer customers spares, servicing and boiler examination & testing facilities for all locomotives.

The above information is also relevant should you have acquired your locomotive second-hand.

Pleased be assured of our best and personal attention at all times.

1. Remove the hub cap from the left-hand wheel. Remove the grub screws holding the wheel on to the axle and slide it off.
2. Loosen both grub screws and remove the flywheel from the crankshaft.
3. Fit motion covers using the m2 clearance holes next to the crankshaft bearings then using the drill and tap provided to mount the front tabs to the bedplate.
4. Fit the belly tank under the boiler. It tucks behind the steering on the right side and is retained by a screw in the hornplate on the left side.
5. Screw the center stanchions to the motion covers using the supplied m2 screws
6. Butt the smoke box extension up to the first boiler band. Look down the length of the engine and when you are happy that it is positioned down the centerline mark, drill and tap the smoke box to match the 6 mounting holes. Bolt the smokebox extension on.
7. Fit the front stanchions to the smoke box extension using the m2 screws provided
8. Ensure a good “drop in” fit of the tender extension. This should lift in and out for ease of operation of the engine. This might require removal of the paint from its tabs.
9. Fit the rear stanchions to the tender extension.
10. Unscrew the brass chimney top and try the fit of the canopy, the stanchions will require some gentle bending by hand until you are satisfied, they line up satisfactorily.
11. Touchup nuts and bolts with touch up paints (available from Maxitrak).
12. Fit the flywheel cover to the side of the flywheel without the grub screws. Try and position it as flat as possible into the flywheel so as to avoid it spinning unevenly and fix with a couple drops of superglue from behind.
13. Attach the motor into the dynamo cover with a couple drops of superglue. And attach the pulley to the shaft using the grub screws. This can then push back into the dynamo housing. Do not glue this as it needs to be removed if cables are to be fitted for optional lighting.
14. Refit flywheel and real wheel.

15. Add plate sets if applicable, trim tags off plates, key the back of the plates and affix using super glue or epoxy glue.
16. Fit canopy lettering if applicable, trim excess paper off transfer sets, draw center lines on the front transfers paper to aide keeping them straight, use a piece of masking tape to secure the top of the transfer in the right position, flip transfer over and carefully remove backing paper, flip back and press firmly in to place, remove front transfer paper.

3/4” Scale Allchin

Showman conversion kit check list

Full length canopy	1 off	
Twisted brass Staunton's, set of 6	1 off	
Belly tank	1 off	
Tender extension	1 off	
Dynamo & boiler extension	1 off	
Dynamo cover	1 off	
Dynamo motor	1 off	
Dynamo pulley	1 off	
Motion covers left & right hand	1 off	
Fly wheel cover	1 off	
Dynamo Belt	1 off	
2mm mounting bolts	18 off	
1.6mm drill	1 off	
2mm tap	1 off	