

Talyllyn

Thank you for buying this Loco kit. Please read all the instructions before assembly.

The first thing to do is to rub down all the parts you are going to paint with sandpaper and a small file in awkward places to get the worst of the grain off. Then spray paint with Halfords grey primer. Rub down with 500grit wet and dry. Spray primer again and rub down again until you get a smooth finish. Then paint the colour of your choice (Halfords paint) .If there is any marks or imperfections rub down again with wet and dry. (Gloss paint will show this) then repaint.

When applying rivets at 5mm intervals before the top coat glue the rivets on with liquid poly. When dry paint with primer again and finish with top coat.

CHASSIS

Start off by drilling the axle holes in the chassis 7/32 and insert the 7/32 x 29mm brass bearing tube to the front axle holes of the chassis make shore that you have equal measurement either side (see fig 1) super glue in places. Fit the two 7/32 x 6mm brass bearing tube **do not glue at this time.** Insert the two axle from the Slaters wheel sets adding the brass 20 to 1 gear to the rear axle leave loose at this time. Add the wheels to the axle as slaters instructions making shore that the crack pins are 90 degrees from left to right. Once added the rear wheels push the bearing up to the wheel and glue in place making shore the wheels true freely. Screw small crack pins in to front wheels only. Take two coupling rods (see fig 2) clear holes to accept the brass crank pin bush from the wheel sets. Fit the front coupling rod to the front wheels using the 10BA nut and washers.

Take the two cylinders and drill the holes 3mm and insert a 3mm x31mm long brass tube flush with one end (see fig 3) making shore you have a handed pair. Glue on the front cylinder covers and take rear cover and drill out hole in centre 3mm and file the square holes to fit the 2mm slide bars (see fig 4). Bolt cylinders to chassis using 3mm x 8mm cap head bolts making shore that the slope is on the top (see fig 5). Take the two slide bar holders clean up the holes for the slider bars bolt the slide bar holders with the boiler support part the flat side facing the rear using the 2mm x 6mm bolts going down on the outside holes and the 2mm x 6mm countersunk bolts from under the chassis (see fig 6.7.8).

Take two cross heads (see fig 9) drill out 2mm and fit a 2mm x 32mm rod and glue in places. Take the connecting rod and fit a 2mm x 6mm countersunk bolt and a 2mm nut on the outside make shore its loose fit and free to pivot. Insert cross head and rod in to cylinders (is a bit fiddly). Take a 8BA x 1/2 inch bolt (follow fig 10) and fit on rear wheels once done check and the chassis is free running with no tight spots. Take the rear bogie and drill out to 7/32 and fit a 7/32 brass bearing tube and fit the wheels ass before (see fig 11). Take a 3mm x 15mm bolt and fit the bogie with a printed washer to the chassis with the nut inside locktite in place.

Take the two buffer beams and fit two 2mm nuts in the back and glue in places. Glue the two buffers in to the buffer beam then take a 3mm x 15mm countersunk bolt and fit to chassis with a nut inside. Glue the two half's of the coupling hooks and glue together. Using 2mm x 6mm bolt the coupling hook to buffer beam

Take the two front wheel arches and glue central over wheels (see fig 8). Fit worm gear onto motor leaving a 2mm gap between motor and worm gear. Fit motor using two 2.5mm bolts making sure you have a bit of play in the gear.

LOCO BODY

Take the main body, after its painted fit the dome and spectacle rings. Fit coal bunker look at (fig 12) for placement of parts. Bolt onto chassis two 3mm x10mm bolts..For firebox (see fig 13) for placement of parts. Once built bolt and leave loose. Take the smoke box glue in two 3mm nuts inside and fit boiler to smoke box.

Fit to chassis so it slides into body and fits to firebox. Fit two 3mm x 10mm bolts, do not tighten for time being. Take the saddle tank fit the water filler on top of saddle tank which goes to the front. Notch at rear goes onto boiler, push firebox and smoke box together so that saddle tank fits in-between tighten bolts. The saddle tank should be able to be removable to gain access to fit battery inside boiler. Take the two halves of the rear cab, there is 4 holes on each half which needs to be drilled 1mm about 6mm deep. Glue in 4 1mm x 10mm rods then slide the two half's together, once ones fitted pull apart 3mm and add super glue between and push together. (follow fig 14) for placement of seats. Once complete fit to rear of locomotive with 2mm x 6mm bolts and nuts.

Fit steps, handrails and sand boxes to complete.

Thank you very much

Peter Farley
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tel. 07875264075