

1

Lightly score along the waste joint line with a sharp scalpel.



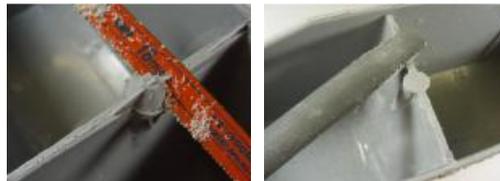
2

Flex the waste until it snaps off.



3

With a hacksaw blade, cut off the moulding pip on the centre bulkhead and file to a flat.



4

File the whole underside edge of the box to a smooth finish.



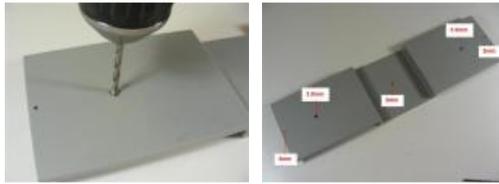
5

Drill three 3mm holes, one in the centre of the chassis and one in each end of the chassis.



6

Drill two 3.5mm holes, one over each bogie pivot. You should now have five holes in the chassis as picture.



7

Place the chassis into the box top and drill the two end holes and middle hole into the box top with a 2mm pilot hole for the body screws.



7.a

Pull off one wheel and cut off the excess plastic protruding from the inside of the wheel with a sharp knife. †Clean the ends of the brass axle tubes until smooth with a small file, craft knife and fine wet and dry paper, then wash the tubes clean, especially the insides. Put a spot of light oil onto the axle. Push the wheel back onto the axle making sure the 'back to back' is correct for your gauge, 28mm for 32mm gauge and 40mm for 45mm gauge.



8

Cut off the excess axle with a hacksaw flush to the wheel boss. Put a small drop of Epoxy or super glue into the bearing slots of the bogie bodies. Place the wheel sets into the slots and allow the glue to dry



9

Glue bogie side frames into place with super glue. Then drill a 2.5mm into the tops of the bogies.



10

Screw the bogies into the chassis. The 'bar top' bogie should be able to rock for and aft, plus swivel, but not rock from side to side. The 'ball top' bogie should move in all directions, but not be very sloppy.



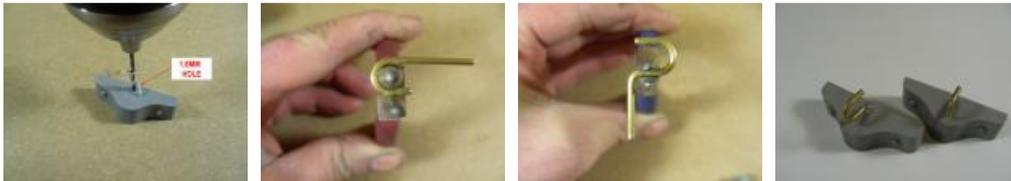
11

Screw the chassis onto the box body via the two end and middle holes.



12

Drill a 1.6mm hole into the tops of the buffers. Bend up the brass wire to form two hooks. Glue the hooks into place.



13

Super glue buffers into place.

