



RT Models

4mm scale, 009 gauge Baldwin 4-6-0 Walchaerts valve gear set

Instructions

Before commencing with construction, please read through these notes and familiarise yourself with the assembly diagrams. Note the design of the cylinder block has changed from the design as in the diagram below, just the tops need to be level now.

Before removing any etched parts from the fret, drill all the holes with a 0.8mm drill bit or even better, use a broach as these will minimise and snatching like a drill may do, take your time doing this so not to bend any of the parts.

Carefully cut through the tabs with a Stanley knife or a pair of Xuron etched fret cutters, I find them personally very handy if you build a lot of etched kits.

Supplied with the valve gear set of small Nickel Silver rivets, these need to be inserted through the holes with the head placed on the outside / viewing side, lay this and the parts carefully that are about to be joined together on a hard surface such as the top of a vice, anvil or steel block.

With either a sprung loaded centre punch or a small hammer, just a couple of LIGHT taps are all that is needed to join the parts, make sure you check between each tap that the parts move freely, its best to have them loose than tight as once these are too tight you will need to file the rivet off and start again. As long as the rivets are not likely to fall out that is the main thing.

Note that part 10, the slide bars goes at the very top of the cylinder block and needs to be placed with the ends flush with the end of the cylinder block.

Note that the ends of parts 8, piston bars may need the ends trimming depending on the travel forward, check before placing the cylinder covers on which these should be left till last.

If they do extend beyond the end of the cylinder block, trim till they don't extend beyond the cylinder block.

Parts 4, The cranks that go on the centre crank pin need slight bending into a S shape, whilst the real locos did not have them shaped like this, it saves them binding for us modellers.

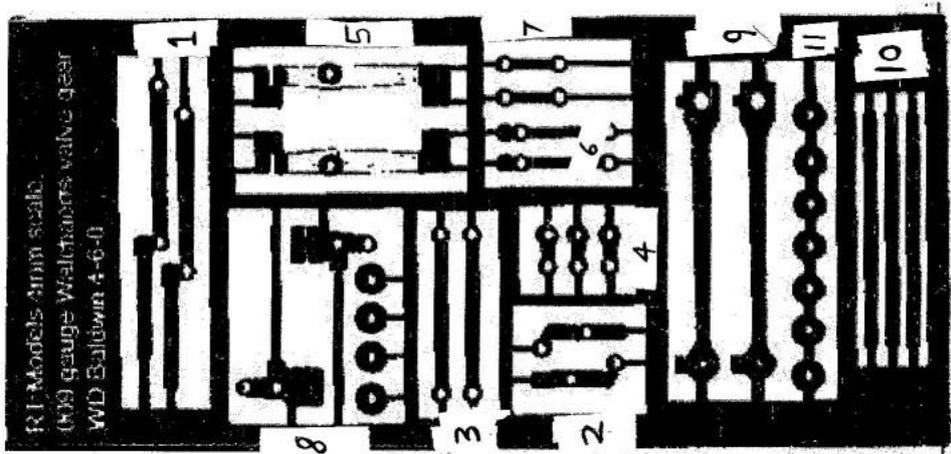
The large ends of these are best soldered onto either the original crankpin of a piece of brass rod around 1.2mm away from the wheel as you will end up meting the plastic wheel centres.

When installing the cranks, they need setting slightly off centre towards the rear of the loco both sides with the crank pins/ coupling rods at the bottom.

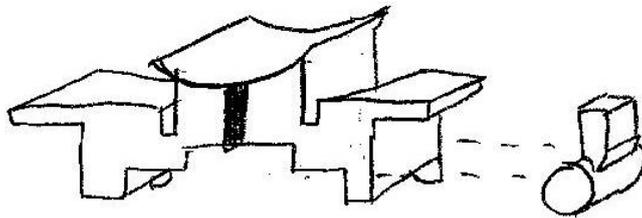
Note there is also available NGCP006 GF steam locomotive coupling rods which will fit the Inside framed GF class 08/J94 chassis with careful reaming of the holes.

Contents

1x resin cylinder block
1x LH cylinder cover
1x RH cylinder cover
1x etched valve gear fret
16x small Nickel silver rivets



Cylinder block



Valve gear

