

STEPHEN JOHNSON

STEPHEN JOHNSON MODELS
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2AQ Bogie Assembly Instructions

Clean any flash from the side frame castings. Position each casting over the etched bogie frame and mark the location of the axle holes on the back.

Fit the waisted bearings in the etched holes in the bogie frames with the flange on the inside of the bogie i.e. the side with the half etched fold lines (Photo 1). Small holes may need to be opened up with a tapered broach or if you don't have one of these, a round file.

Align the spacer over the rounded part on top of the bolster and solder it in place.

Fold the sides of bogie frames towards the half etch line until they are at about 45° from vertical. Insert the tabs on the triangular supports into the slots then fold the sides to 90°. Secure the supports by twisting the protruding tabs (Photo 2).

When happy the assembly is straight and square, solder all the joins then cut/file off the excess tab material. Flexing each side outwards an equal amount, insert a 10.5mm disc wheelset with a 23.8mm axle into the bearings at each end.

Centre punch the middle of each axle hole marked on the back of the casting and drill a 1.8 mm hole. Open out the top of each hole with a 2.3 mm drill to allow the casting to clear both bearings. Take care not to drill through the axlebox and test fit regularly to avoid removing more material than is necessary (Photo 3).

Glue the side frame castings to the etched frame with either superglue, epoxy or acrylic contact adhesive.

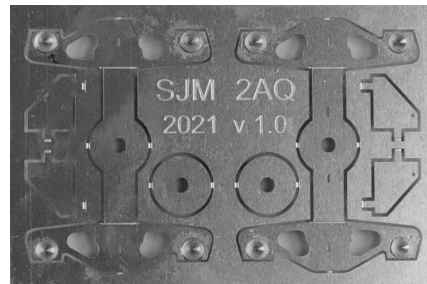


Photo 1. 2AQ bogie etch showing the waisted bearings soldered to the inside of the bogie.

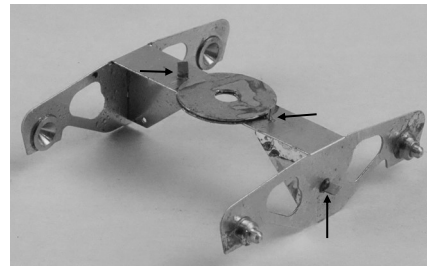
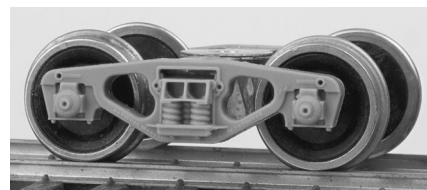


Photo 2. The spacer is soldered to the top of the bolster and twist tabs on the gussets are used to secure the bolster at 90° to the sideframes.



Photo 3. Holes are drilled in the back of the sideframe so it fits over the waisted bearings protruding from the frame.



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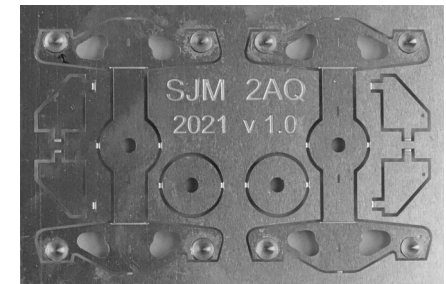


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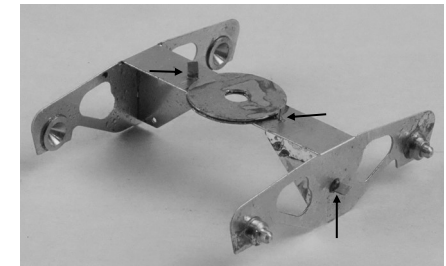


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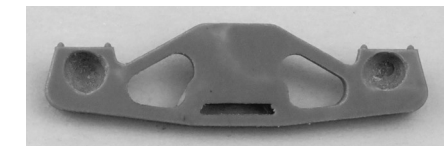


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