

Peter Besant
Tel – 07807225801
www.prmrp.com
prmrp@fsmail.net

BRF-007 HAA Coal Hopper

Building Instructions

**SCALE MODEL PRODUCT FOR ADULT MODELLERS ONLY.
WHITE METAL CONTAINS LEAD WASH HANDS AFTER USE.
MAY CONTAIN SMALL PARTS. ETCHED BRASS HAS FUNCTIONAL
SHARP EDGES - HANDLE WITH EXTREME CARE**

Thank you for purchasing this kit.

This instruction pack should provide an easy to follow guide for building this model given some experience of soldering and the basics of etched kit construction.

Drawings and photos are essential for builders to acquaint themselves with the prototype they wish to model.

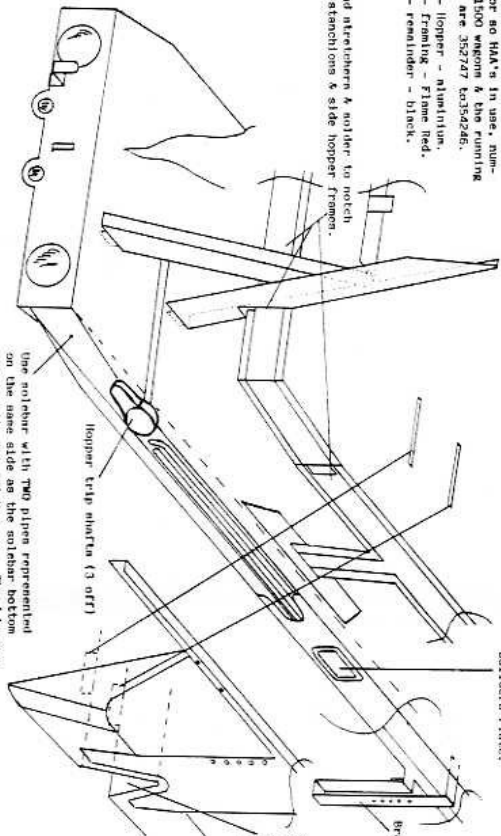
For builders of modern image in 7mm, consider joining MIGO+1, the Modern Image Gauge 0/1 organisation. For more details see the MIGO+1 website at www.migo.org

Type HAA, mgr. coal hopper

This kit portrays wagon built in 1967/8 to Lockde. This is the largest single batch of the 10,000 or so HAA's in use, numbering 1500 wagons & the running numbers are 352747 to 352826.

Livery - hopper - aluminium.
- fronting - flame red.
- remainder - black.

Fold End underneath & solder to notch in end stanchions & slide hopper forward.



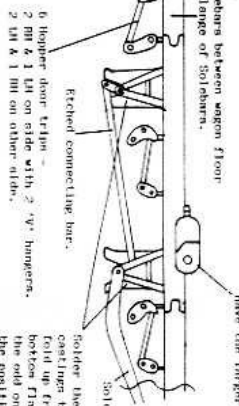
Hopper should be fixed to chassis AFTER re-arranging driver/Aluminium - this is probably best achieved by using canned car plates.

2 Hopper guides - Flaps holder into prevent in hopper slides. The tabs at the centre of the guides pass through the slots in wagon chassis & fold back to secure hopper.

Solder a brake cross-shaft between the two 1/4" dia v/h hangers - make from brass rod (not steel) and the ends should then be folded into an inverted 'v'. A soldered to the cross-shaft. This rectangular part can be easily recognised by its wide longitudinal fold line.

The hopper Trip shafts fit into the 3 etched grooves across the wagon floor. Note that on the side of the wagon with 2 'v' hangers - the 2 Trip shafts at the right hand end of the wagon should have the longer levers on the outside.

Solder the 4 door hanger castings to the flaps that fold up from the solder bottom flange - note that the odd one of these goes in the position where there is no 'v' hanger.



OPTIONAL PARTS AVAILABLE FROM HAA:-
1. Spring 1 1/2" dia Wagon buffers - Small Head.
2. Working Lost-Mox Air Pipes.

Air Cylinder - Should be soldered to small fold down tab at left end of each Solsbar.

Fix Axlebox to 'v' Iron and Solder to rear of Solsbar below Flange. Axle centres should be 27.5mm from centre of buffer beam - giving axle clearance of 15mm.

Part List

- 1. Flat-ironed Channel/Hopper Slides
- 2. Flanges
- 3. Coupling Springs & Split Pins
- 4. Coupling Links

Castings

- 4 Axleboxes
- 4 'v' Irons
- 4 Buffers
- 2 air cylinders
- 3 hopper trip shafts
- 2 sets air pipes
- 6 hopper door trips (banded)
- 4 hanger castings (1 odd)

Disc: Hopper wheel liners - these should be fitted to left hand wheels only

Use Tomerton Models Solid Disc Wheels/straps - See finished Gader Form.
Use of 'v' Gauge Wheels if preferred.