

# RC473 00 BR Dia1/120 21T MDV Mineral Wagon Assembly Instructions

This kit is designed to make a model of the BR Dia1/120 21T MDV Mineral Wagon. Full details of these wagons can be found in *An Illustrated History of Southern Wagons*, volume 4.

With this kit we offer the guarantee that we will replace any defective part and we extend this to parts broken or damaged in construction. We have included a coupler mounting block for Bachman 36027 Mark 2 Couplings NEM shaft (cranked) with pocket.

## Helpful Tools/Supplies

Hobby knife with sharp blades  
Superglue  
Tweezers  
.45mm drill  
Xuron Sprue Cutter

Potystyrene Cement (Tube/Liquid type)  
Small needle nosed pliers  
Pin vice  
Small file

## Helpful Hints

Take care removing the parts from the sprues, especially fine parts. Use good quality styrene cement. You will find both the liquid and thicker tube type useful in different locations. If you are using the liquid version take care handling the parts because the plank lines draw the cement away from the joint very quickly.

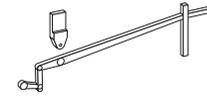
## Contents of Kit

2 Sides  
Floor  
Door Bang Sprue  
Brakeblock Sprue  
Roller Bearing sprue  
Etched Coupling Hooks

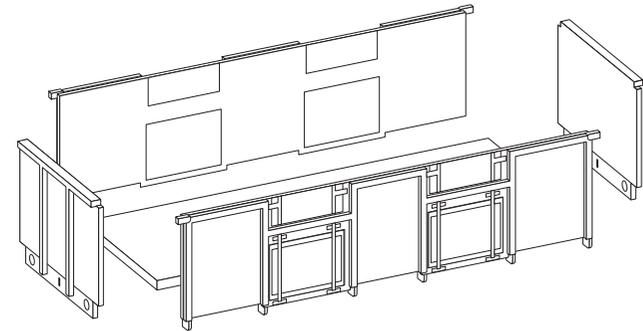
2 Ends  
Underframe Sprue  
Brake Lever Sprue  
Coupler Mount Sprue  
Whitemetal RCH Buffers  
Short length of wire

Please Note: Despite being deceptively simple in appearance, almost every part of this kit is handed, so care should be taken identifying the correct position of each piece.

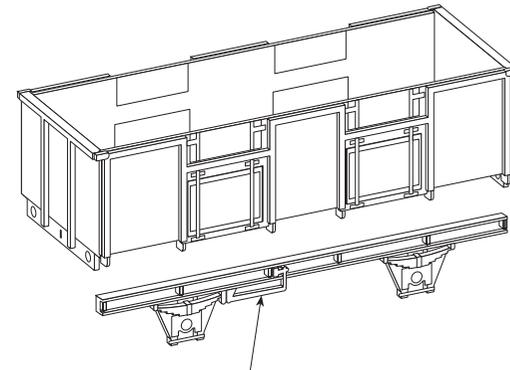
Start by gluing flanged wagon bearings into the axle holes using superglue. Then glue the small V hanger on the lift link sprue to the rear of the lift link brake lever and set aside to set.



Fit the sides and ends onto the floor. Pictures of these wagons show the vacuum cylinder can be on either side, so I have put 4 locating pips meaning that there is no need to put the floor in a set position.

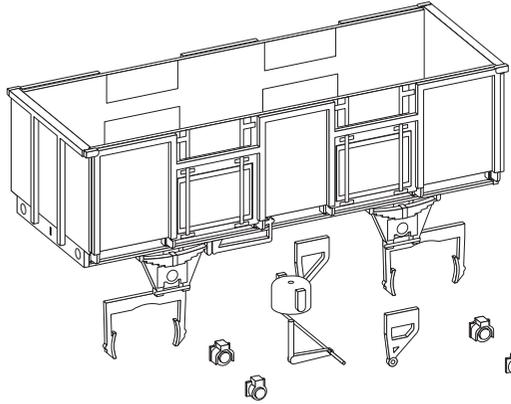


Attach the solebars to the Floor Making sure that they stay upright as they set. You can either trap the wheels in place or leave them to fit Later.



Self adjusting brake this side only. Pictures show that this is always at the end away from the end door.

Fit the V hangers to the rear of the solebars between the two locators. They are mirror images with the vertical leg towards the centre of the wagon. Check that the hole in the centre is .45mm. Fit the brake cylinder to the pip on the floor. Fit a piece of .45 wire between them with superglue threading it through the hole in the crank. It can be either side.

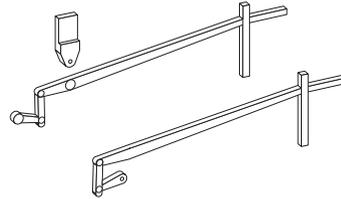


For those wanting to use automatic couplings we have included a mounting block.

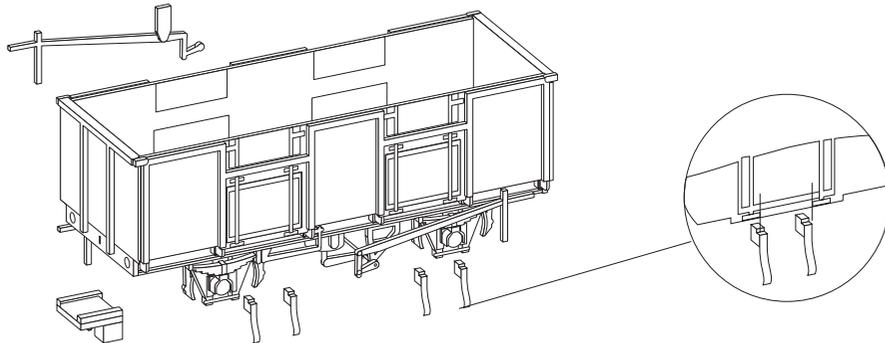


When they were first built they were painted bauxite, as fitted wagons, but in due course they reverted to the more common mineral wagon livery of grey.

Fit the brakeblocks. Choose which type of bearing you want to use and attach to the W irons.



These 2 diagrams show which side the brakelevers fit. They need gentle curving to fit. Fit the buffers and coupling hooks with superglue. Attach the door bangs aligning them just inboard of the door hinges.



### RC 473 00 BR Dia1/120 21 MDV Mineral Wagon

Injection moulded polystyrene kit  
 Cast Whitmetal Buffers  
 Designed for standard 26mm axles so they are suitable for 00, EM or P4.  
 Coupler mounting block for Bachmann 36027  
 Mark 2 Couplings NEM shaft (cranked) with pocket.  
 12mm wagon wheels are not included.

