

## SERVICING AND DCC INFORMATION

### Removing the Body

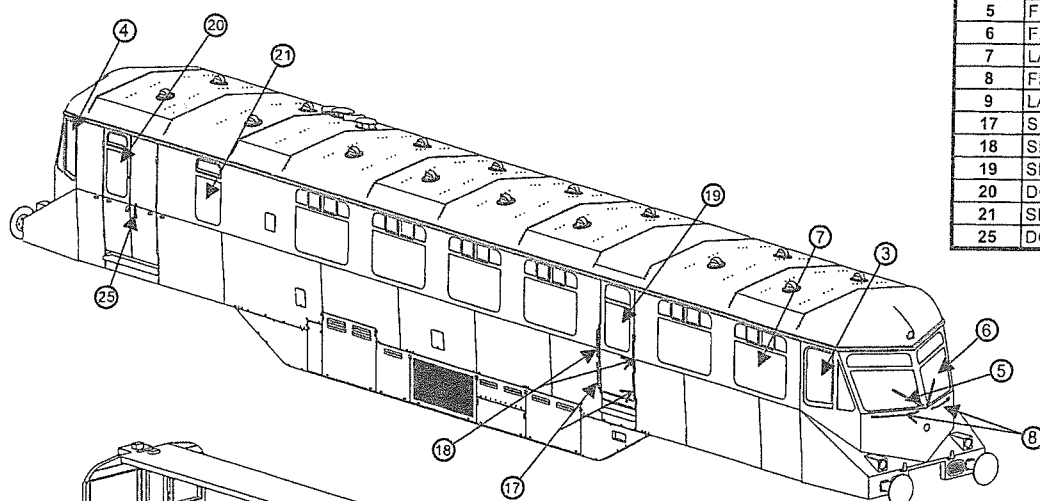
#### Step 1

Loosen four screws under the body (2x at the inner end of each bogie) and set them aside in a safe place.

#### Step 2

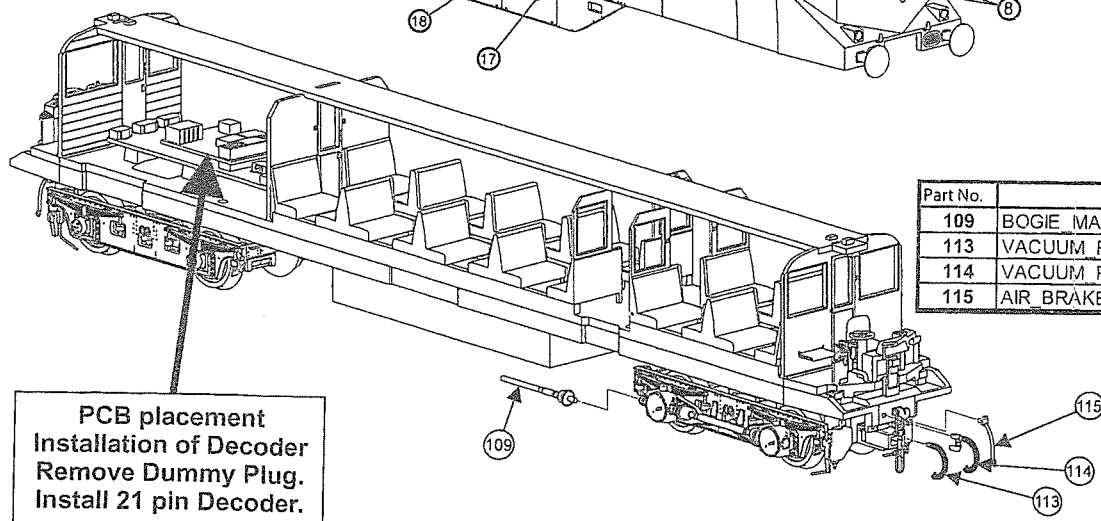
Gently unclip the body from the chassis (4x clips – two on each side), taking care not to compress or damage external details such as handrails or roof vents.

GWR OO Scale V2



KEY PARTS

Part No.	Part Name	Quantity
3	CAB SIDE WINDOW OO	2
4	CAB SIDE WINDOW R OO	2
5	FRONT WINDOW OO	2
6	FRONT WINDOW R OO	2
7	LARGE SIDE WINDOWS OO	12
8	FRONT HANDRAIL OO	4
9	LAMP BRACKET OO	4
17	SINGLE DOOR HANDRAILS LOWER OO	4
18	SINGLE DOOR HANDRAIL UPPER OO	4
19	SINGLE DOOR WINDOW OO	2
20	DOB DOOR WINDOW OO	2
21	SINGLE WINDOW OO	2
25	DOB DOOR HANDRAIL OO	2



Part No.	Part Name	Quantity
109	BOGIE MAINDRIVE AXLE LONG OO	2
113	VACUUM PIPE 1 OO	2
114	VACUUM PIPE 2 OO	2
115	AIR BRAKE PIPE LEFT OO	2

PCB placement  
Installation of Decoder  
Remove Dummy Plug.  
Install 21 pin Decoder.

### Conversion to Digital Command Control (DCC) operation

Your HELJAN GWR Diesel Railcar is designed for simple DCC conversion. Please test the model in DC mode first to ensure it is running correctly and the lights are working. Remove the body (see separate instructions), revealing the 21-pin DCC interface in the luggage van area. Gently prise out the blanking plug, taking care not to bend any of the vertical pins. For 'plug-and-play' operation, we recommend an ESU LokPilot/LokSound V5 21-pin decoder. Other compatible decoders should allow normal motor functions but may require functions to be remapped to achieve correct light functions. Once you are satisfied that the decoder is installed correctly, test again to make sure railcar runs as required and all functions work in DCC mode.

### DCC Sound

This model has been designed with ample space inside the luggage van area to install an ESU 21-pin DCC decoder and speaker of your choice. We recommend placing the speaker inside the body as space is limited on the underframe due to the position of the motor.