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## **EFE Rail N Scale D600 'Warship' Bogie Clearance Modification – for use with 'Finescale' Points & Crossings**

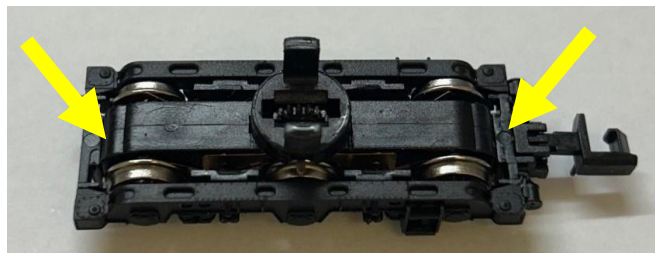
The following step-by-step process should be followed by any consumer experiencing 'grounding' when running the EFE Rail N Scale D600 'Warship' locomotive on 'finescale'

Code 55 points and crossings. Investigations by Bachmann Europe, its vendors, their manufacturing facility and field testing has concluded that as supplied, the models perform as designed when used on 'standard' N Gauge track, which is generally defined as Code 80 track such as that manufactured by Graham Farish, Bachmann Trains, Peco etc.. **When used with Code 80 track, no modification should be necessary.**

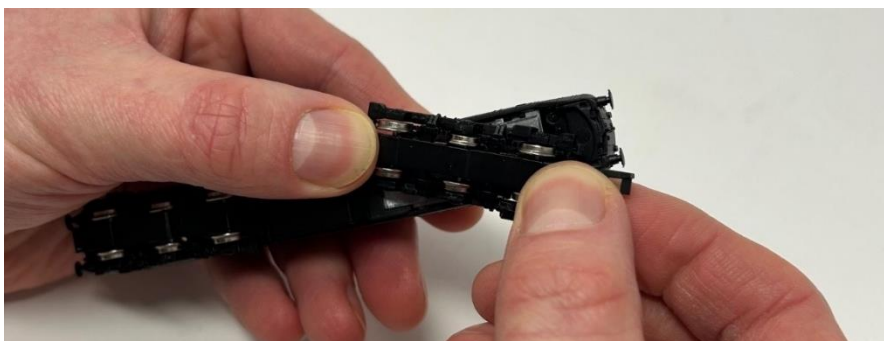
For use on Code 55 or 'finescale' track, the following modifications can be carried out by the individual, a Bachmann retailer or, if required, the Bachmann Service Department. Pre-modified bogie frames should be made available at a later date, however the following guide allows the user to undertake this quick and easy modification themselves in order that they can fully enjoy this EFE Rail model straight away.

### **Modification Instructions**

1. To prevent the risk of accidental damage or filings entering the mechanism, we recommend first removing the bogie frame. The bogie frame is attached to the bogie tower by two clips, one at each end (see yellow arrows below).

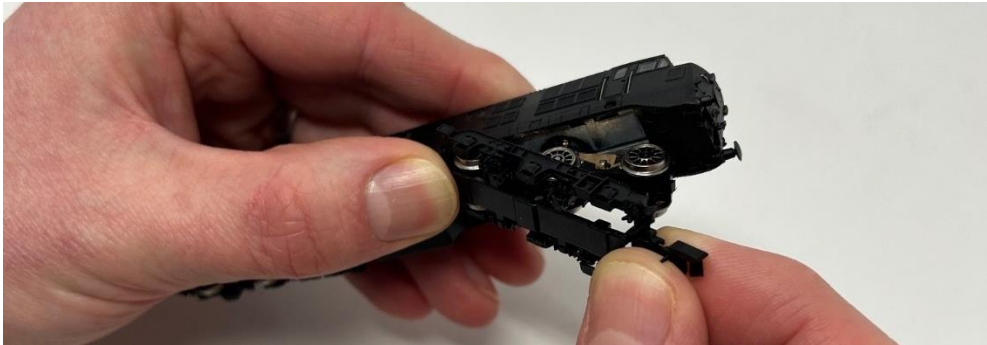


2. To disengage the clips, rotate the bogie so that the coupling pocket can be gripped firmly and then apply gentle pressure to pull the bogie frame away from the bogie tower, whilst holding the opposite end of the bogie steady with your other hand.

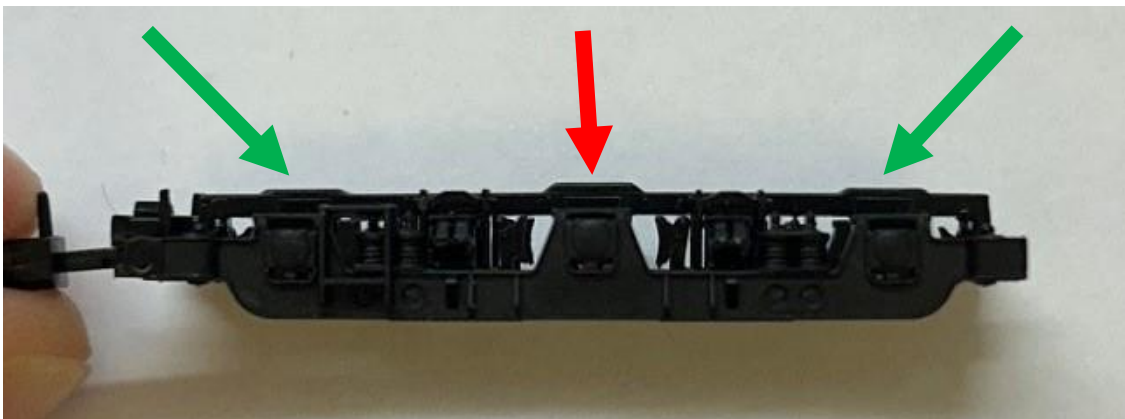




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3. With the bogie frame removed, it can be seen that the middle 'mound' (red arrow) moulded onto the bottom of the bogie frame is deeper than those at either end (green arrows). Gently file the middle mound to the same height as the other two and this should resolve the grounding issues that some users are experiencing when running on Code 55 'finescale' Points & Crossings.



4. Clip the bogie frame back onto the bogie tower and repeat for the second bogie.

**PLEASE NOTE:** The modifications outlined above have been deemed necessary only when operating the model on Code 55 Points & Crossings. This issue has not been witnessed when the model is used on other types and brands of proprietary, ready-to-lay track. Similar modifications may be required for use on custom or hand-built track.

*Undertaking the modification outlined in this document will not invalidate any applicable warranty in the event that a claim was later made for an unrelated issue.*

-ENDS-