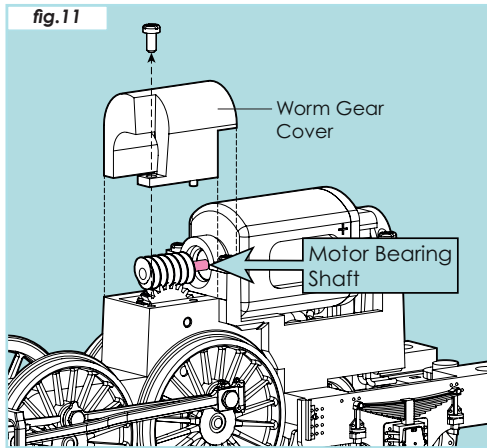
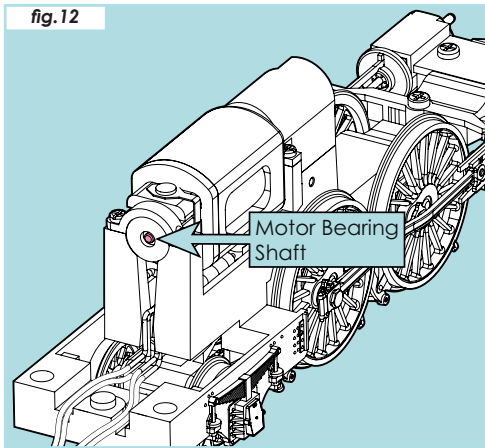


3. Lubrication (Continued)

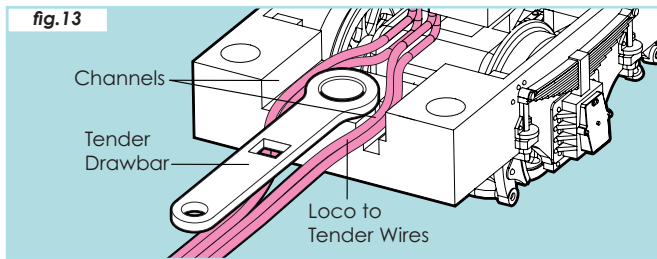


5. To access the front motor bearing shaft, first remove the worm gear cover as shown above. If the Motor bearing shaft appears dry please apply one drop of lubricant (fig 11).

7. When replacing the loco body take extra care to ensure that the loco to tender wires are positioned in the channels in the chassis and that the tender drawbar is positioned over the peg as shown in fig.13.



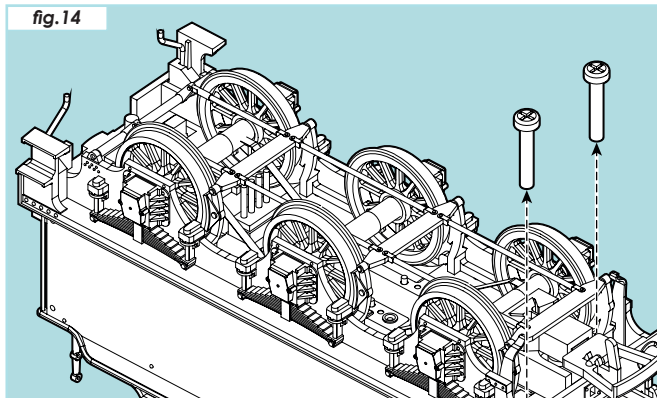
6. The rear of the motor bearing shaft will already be exposed, apply one drop of lubricant if it appears to be dry (fig 12).



4. DCC Decoder - Fitting a 21Pin DCC Decoder

Digital Command Control (DCC) allows for greater functionality and control over the Locomotives on your layout: such as the simultaneous control of speed & direction of multiple Locomotives and enables the use of DCC controlled track, points and other DCC Decoder fitted accessories. DCC also allows the addition of DCC Sound which brings a whole new level of realism to your model railway.

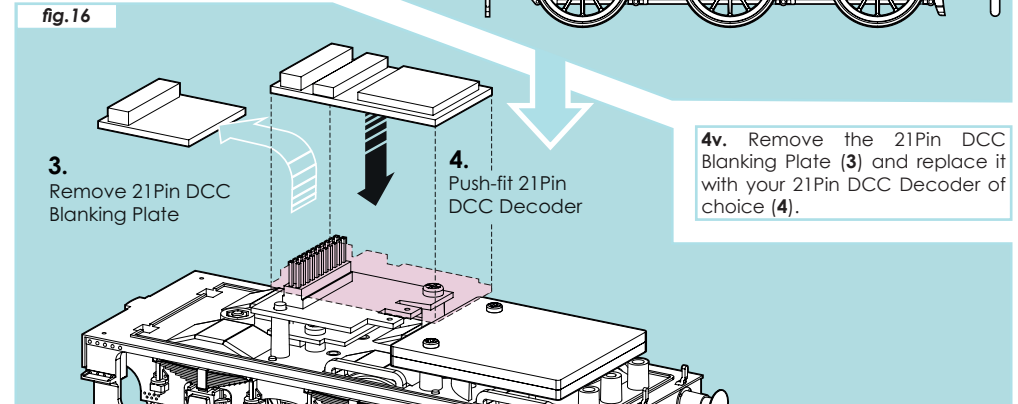
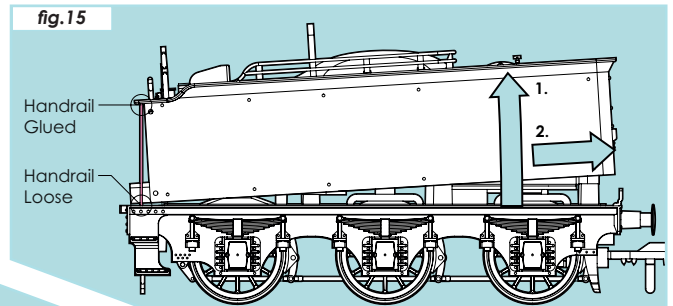
1. To make handling easier we suggest disconnecting the Locomotive from the Tender, as shown in figure 7.



2. Begin by unscrewing the two assembly screws on the underside of the chassis at the rear of the tender as shown in figure 14.

3. The front of the tender is held in place by two clips, gently lift the rear of the tender so the bottom edge is clear of the lamp brackets (1) and slide backwards (2).

Please note: The handrails at the cab end of the tender are glued at the top to the tender body. Take care when removing and replacing the Tender body.



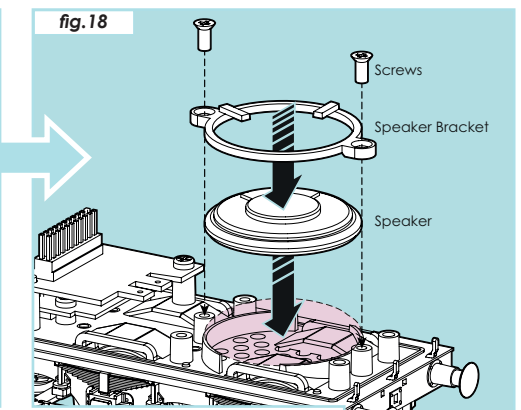
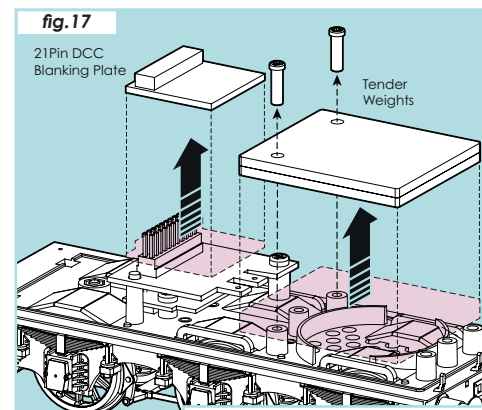
5. DCC Sound - Installing DCC Sound

The following equipment is required for DCC Sound.

- 1 x 21 Pin DCC Sound Decoder (pre-programmed with the relevant sound file of your choice).
- 1 x 23mm Diameter Speaker.
- 2 lengths of suitable wire to connect the speaker to the PCB Board.

Please note: It's recommended that the DCC Decoder and Speaker are both from the same manufacturer and the speaker specifications are compatible with the decoder. Please consult your retailer for advice.

1. Disconnect the locomotive from the tender as shown in figure 7.
2. Remove the body of the tender as shown previously in figures 14 & 15.



3. Remove the 21Pin DCC Blanking Plate and Tender Weights (fig.17) and secure your 23mm diameter speaker in place using the Speaker Bracket and Screws provided in the accessories (fig.18).