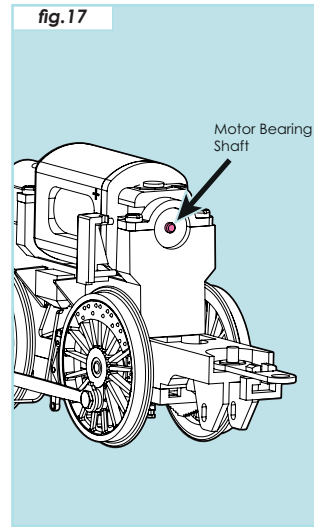
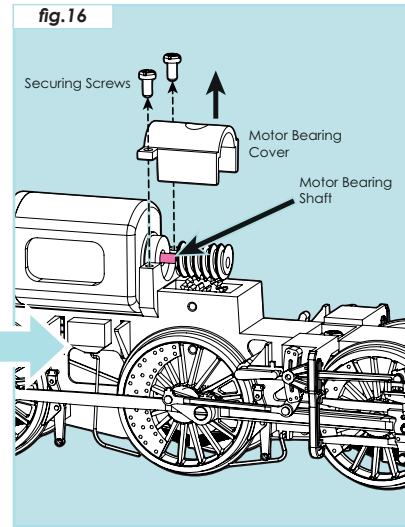
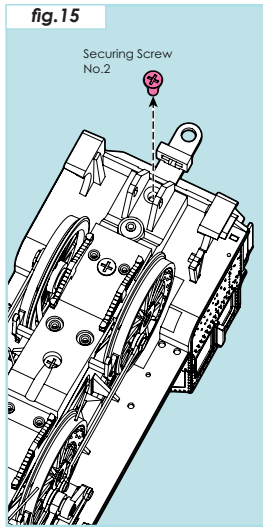


### 3. Lubrication (Continued)



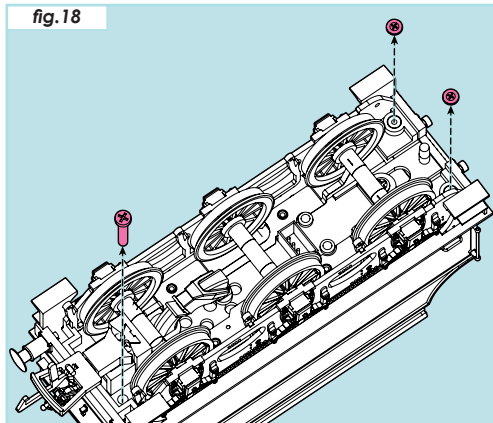
3. The second securing screw is centred on the underside of the back edge of the cab. The loco body will now lift off.  
**Please note:** This also holds the linking plate in place, take care when replacing the body.

4. If the motor bearing shaft appears dry, apply one drop of lubricant to each end of the shaft. (Shown in pink in Fig. 16 & 17)

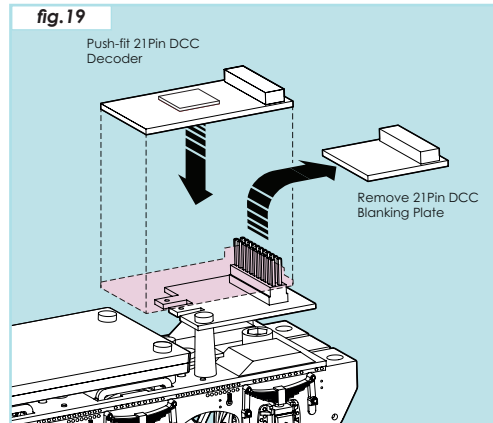
### 4. DCC Decoder - Fitting a 21Pin DCC Decoder

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. Disconnect the Locomotive from the Tender, as shown previously in figure 13.



2. Remove the body of the Tender by unscrewing the three assembly screws on the underside of the chassis as shown above.



3. Remove the 21 Pin DCC blanking plate and push-fit the 21 Pin DCC decoder onto the pins of the PCB as shown.

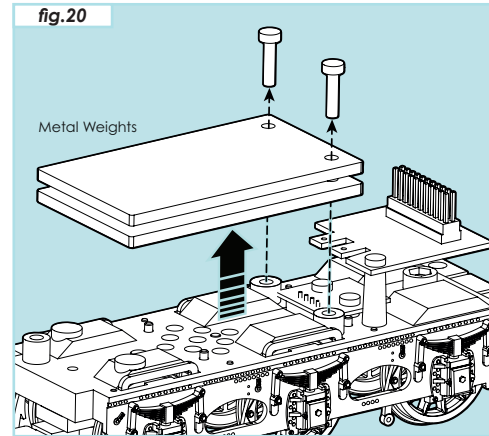
### 5. DCC Sound - Installing DCC Sound

The following equipment is required for DCC Sound.

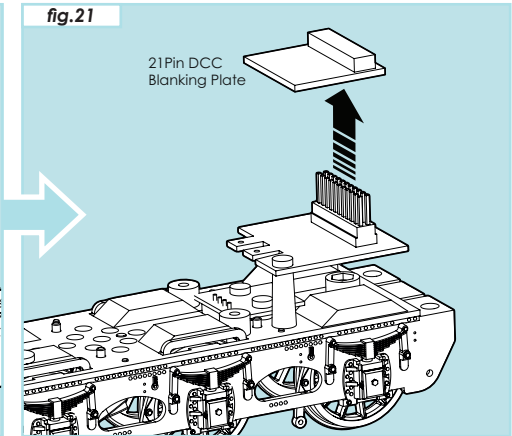
- 1 x 21 Pin DCC Sound Decoder (pre-programmed with the relevant sound file of your choice),
- 1 x 20 x 40mm Speaker.
- 2 lengths of suitable wire to connect the speaker to the PCB Board.

**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.

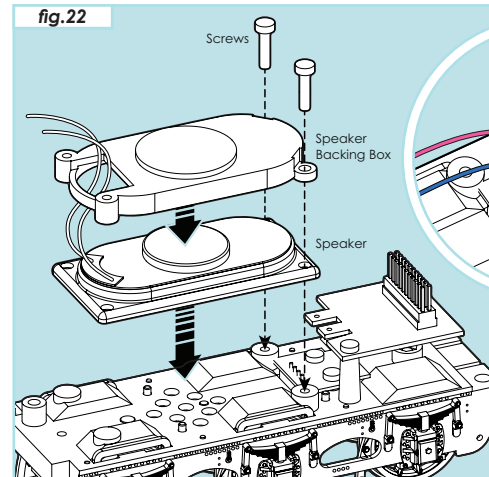
1. Disconnect the locomotive from the tender, as shown previously in figure 13.
2. Remove the body of the tender by unscrewing the three assembly screws on the underside of the chassis, two at the cab end and one offset at the tender rear, as shown previously in figure 18.



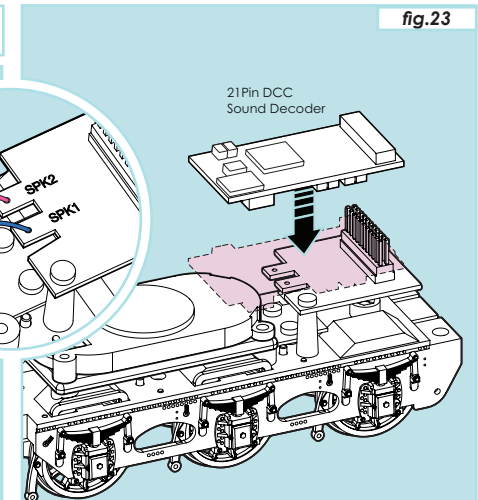
3. Remove the metal weights, held in by two screws, and the 21 Pin DCC blanking plate.



4. Place the 20 x 40mm speaker onto the Tender chassis facing down with the wires at the buffer end of the tender.



5. Place Speaker Backing Box over the speaker with the wires passing through the opening. Secure in place using the two screws that are packed with the accessories.



6. Solder the speaker wires to the SPK1 & SPK2 soldering pads on the PCB board.

7. Push-fit your 21 Pin DCC Sound Decoder onto the pins on the PCB board as shown above.

**Please note:** When re-assembling the Tender ensure that you replace the assembly screws and connect the socket before replacing the brake gear.