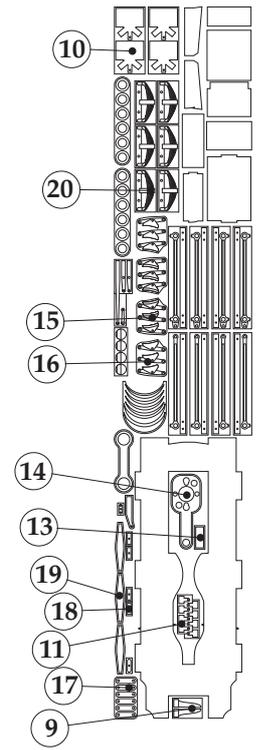
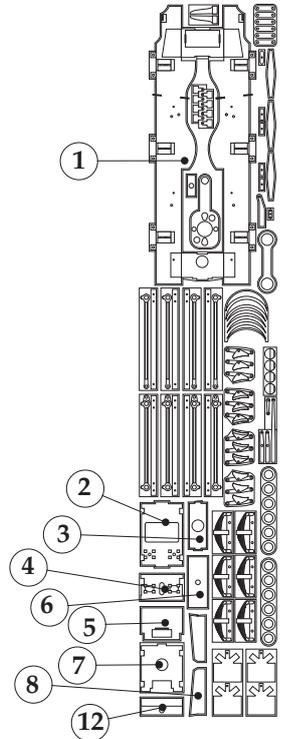
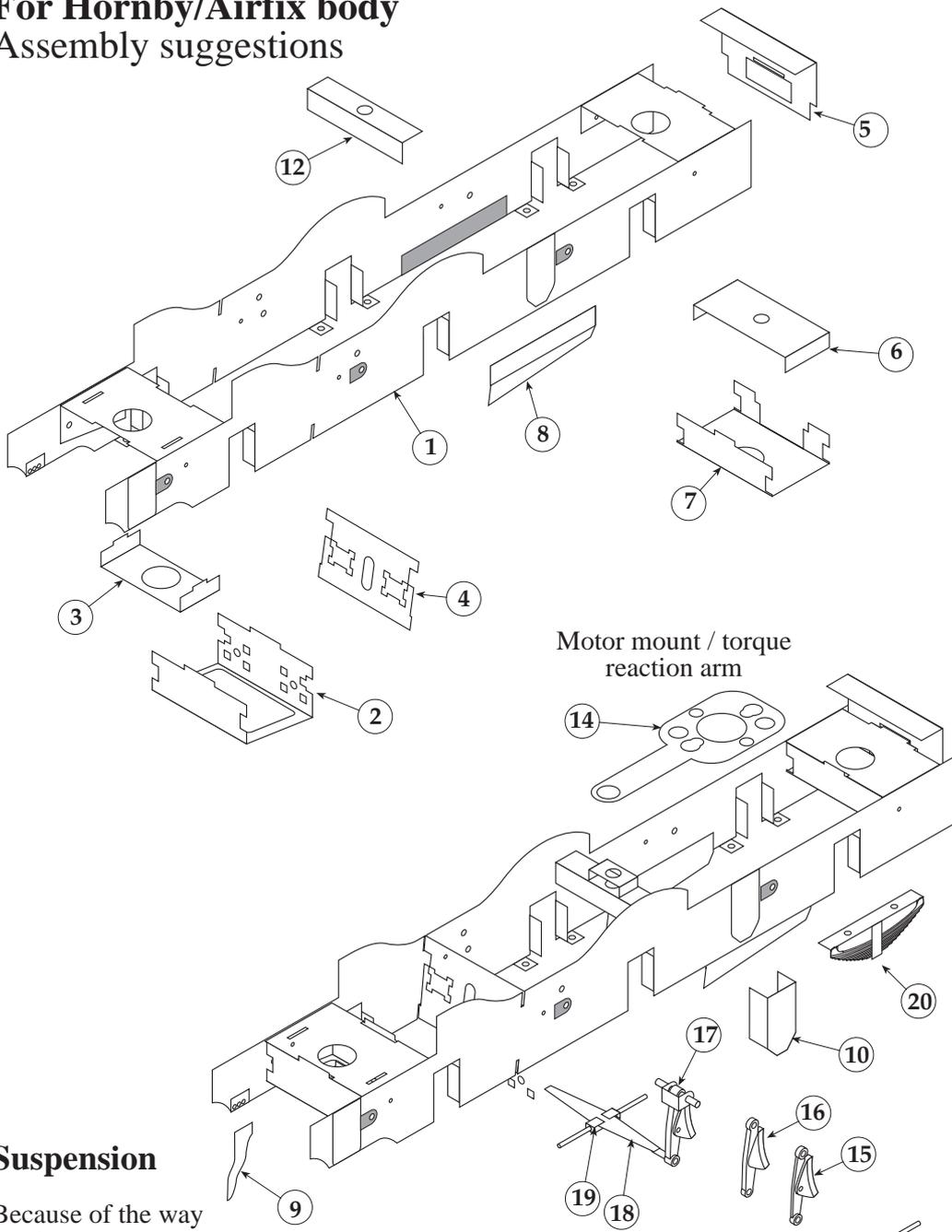


# LFF1000 LMS 4F chassis For Hornby/Airfix body Assembly suggestions



Motor mount / torque reaction arm

Suspension Schematic

## Suspension

Because of the way the frames have been drawn they should be self jiggling, it is therefore impossible to introduce longitudinal errors in the placement of the horn guides.

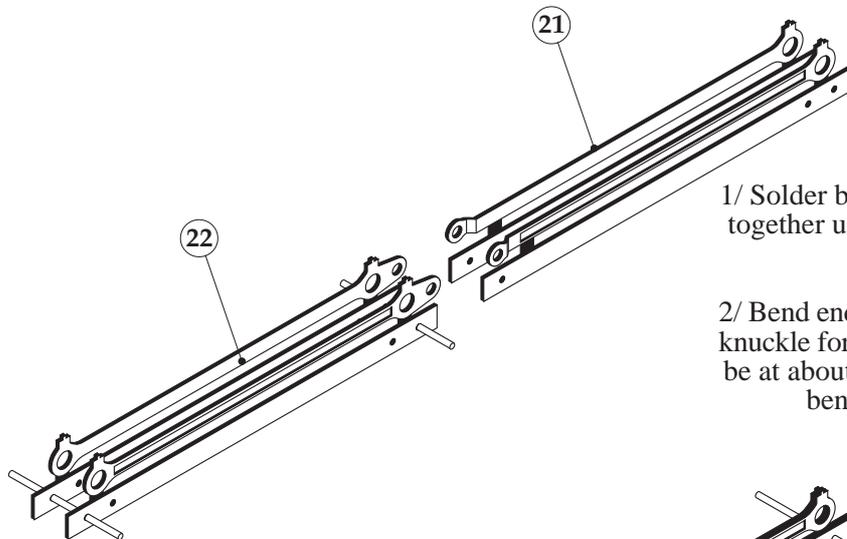
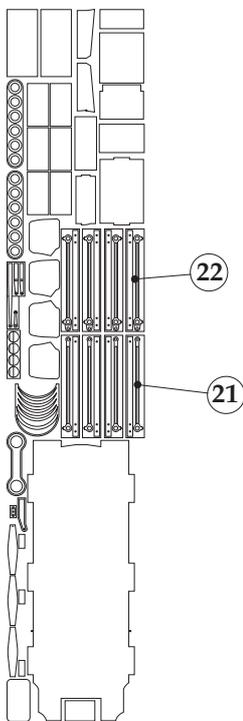
To set up the horn guides, first bend out the forward leaf of each horn guide, ensure it is square to the frame and run solder into the fold line.

Check the bearings, by mounting them all onto an axle, and placing them on a hard flat surface.

By lightly running a finger along the top faces you should be able to feel if one is out by more than about a thou. What is needed is a set of bearings with the distances between, what will be, the leading face and the axle centre are all as close to equal as possible. If rotating one or more of the bearings does not make a matched set, then the block of bearings can be rubbed down on some polishing paper until they are.

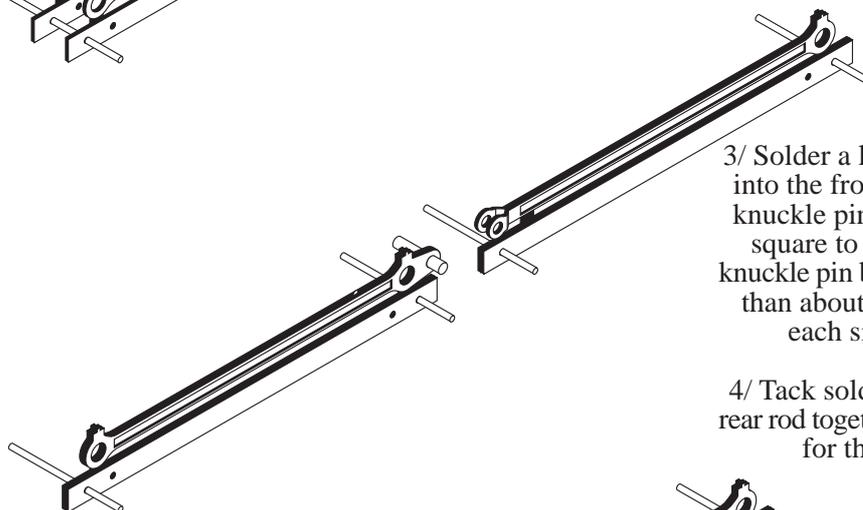
Finally bend out rear horn guide. If all has gone well there should be the minimum of play between the bearing and the guide, when the guide is square to the frame, if not the rear guide can be bent forward \*slightly\* to take up this play.

# Coupling Rods



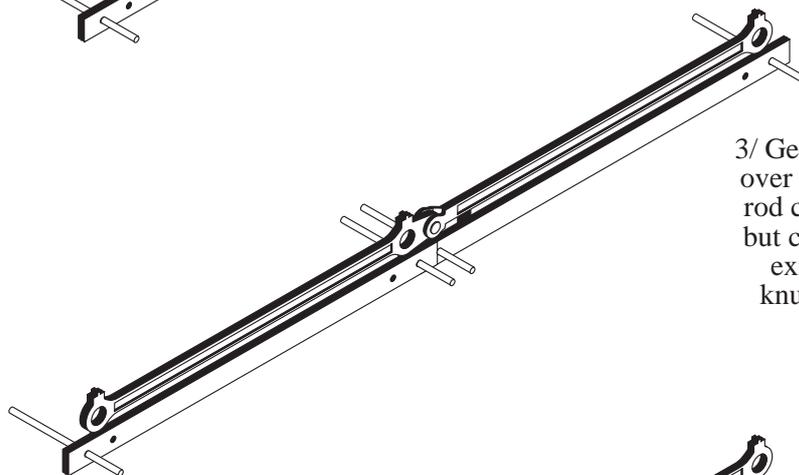
1/ Solder both parts of front rod together using pins as location guides.

2/ Bend ends of rear rod to form knuckle forks. Each bend should be at about 45°. Reinforce each bend with solder.

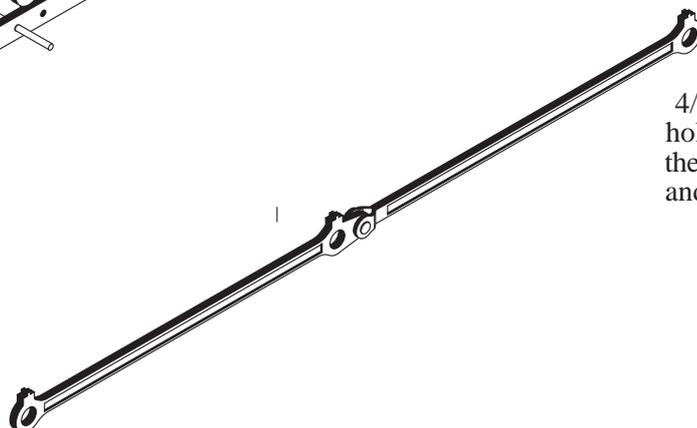


3/ Solder a length of 1mm wire into the front rod to act as the knuckle pin, ensuring it is square to the rod. Trim the knuckle pin back so that no more than about .8mm is proud on each side of the rod.

4/ Tack solder the rear ends of rear rod together, again using pins for the alignment.

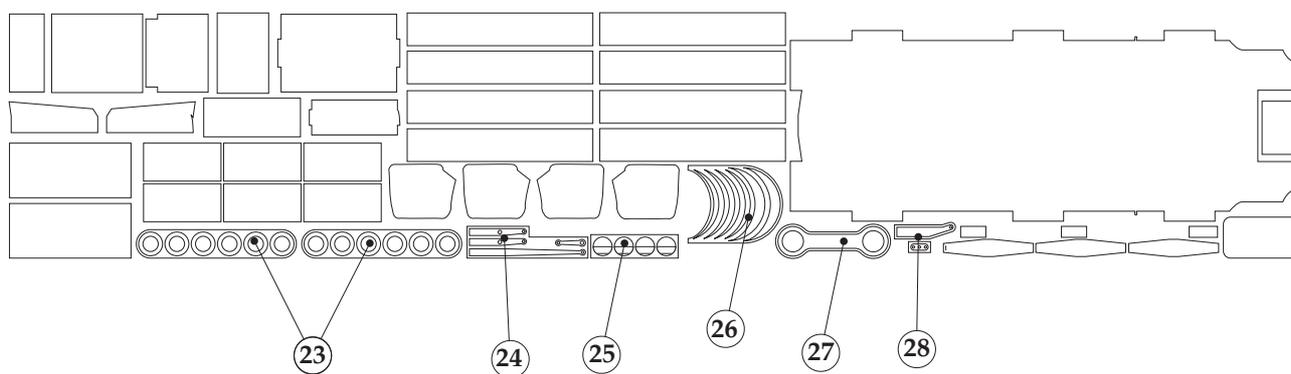


3/ Gently ease the knuckle forks over the knuckle pins. The rear rod can now be fully soldered, but care must be taken that the existing solder around the knuckle folds and pin is not melted



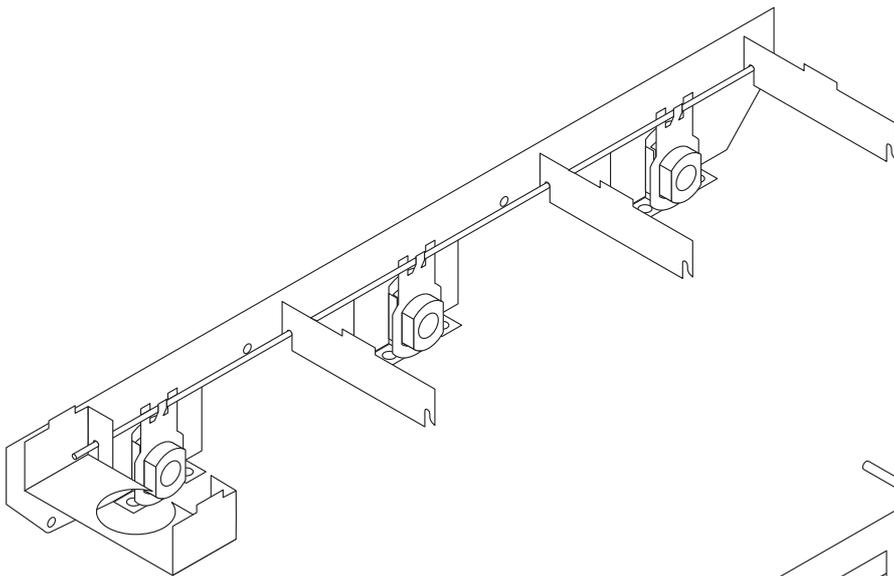
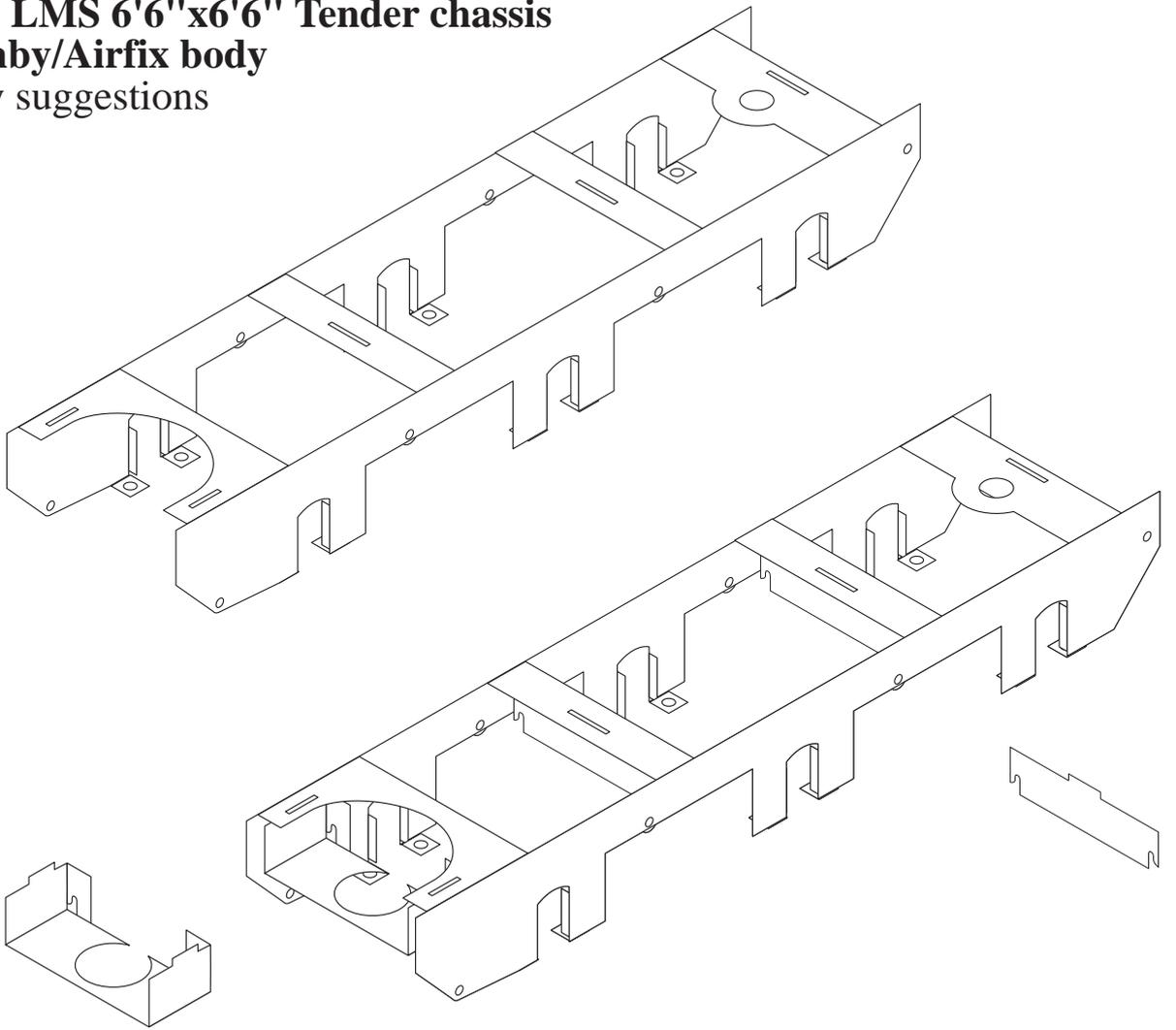
4/ After reaming the crank pin holes to fit the crank pin bushes the support strips can be removed and the rods fitted to the wheels in the normal way.

## Other Items

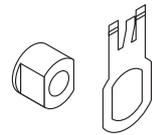


- ②③ Axle washers.
- ②④ Reach rod and link cross shaft balance arms
- ②⑤ Link cross shaft balance wieghts
- ②⑥ Wheel balance wieghts
- ②⑦ Tender draw bar
- ②⑧ Brake pull rod support

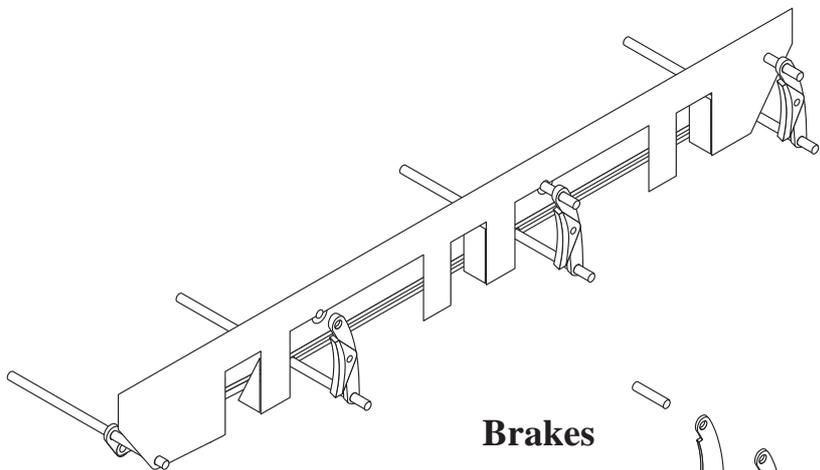
**LFF1051 LMS 6'6"x6'6" Tender chassis**  
**For Hornby/Airfix body**  
Assembly suggestions



**Suspension Schematic**



**Bearing Carriers**



**Brakes**