

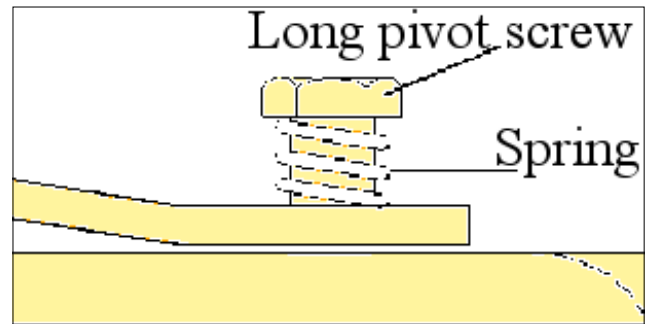
# Gauge Conversion Kit - Russell

32<sub>mm</sub>

45<sub>mm</sub>

## Contents:-

Pair of pony truck frames painted.  
Pair of Bogie axles painted matt black.  
Back to back wheel gauge & Allen key.



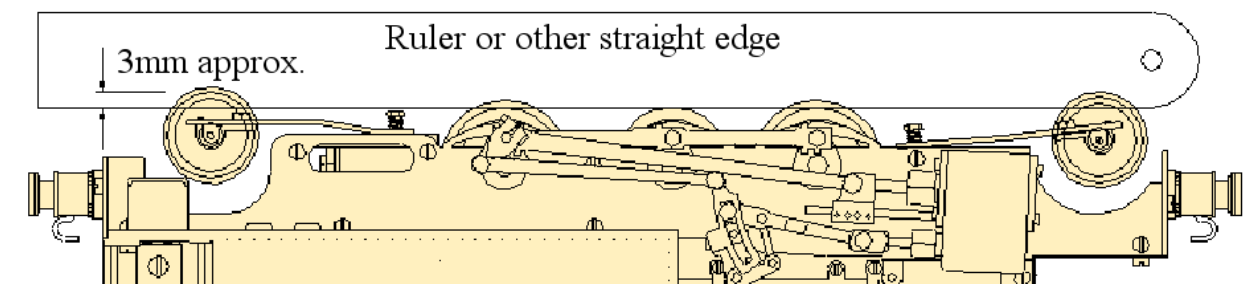
## Fitting Instructions

Remove the brass dome and place the loco upside down on some soft packing on your work top.

Remove the front and rear pony trucks by unscrewing and removing the steel hexagon headed pivot screw and spring that attaches it to the front frame spacer and rear servo bracket— keep these safe as they are needed later. The front pony truck frame is flat and the rear pony truck frame is bent. Now is a good time to re-gauge the driving wheels. The wheels are moveable on their axles and are locked in place by a small 4BA grub screw. Use the Allen key supplied to loosen these on all wheels and they can now be adjusted so that the back to back gauge supplied will just slip between their inner faces. Ensure that the wheels are evenly spaced relative to each side frame.

To fit the new pony trucks to your model, use the pivot screw and spring previously removed, and remember that the front pony truck is flat and the rear bent.

**Check that the pony trucks are correctly positioned**, with a ruler or straight edge as shown in the diagram below.



If the pony trucks do not align as shown above, their position will need adjusting as described below.

Slacken the two screws holding the front frame spacer, and using a 12" rule laid across the driving wheel treads, rotate the frame spacer a little until the wheels of the pony truck are about 3mm higher than the drivers. This will give the correct amount of pre-load to the springing. Tighten the screws when the correct position is achieved.

Place the 12" rule across the driving wheel treads and check that the rear pony truck wheels are also about 3mm higher than the drivers and adjust your bends slightly if not.

Place loco on track and check that the pony trucks are now held in contact with the rails and have a couple of millimetres vertical travel against the spring pressure.

