

LM21 Motion Set for GWR Collett King 4-6-0

COMET MODELS components complementing this motion set are:

Frames	LF21	Cylinders	LC3
Crossheads	LS8		

This motion set etch is designed to fit our loco frame pack LF21. All folds should be made with the half-etch to the inside and reinforced with solder. All parts are numbered on the etch and are identified in the instructions by the number in brackets. Where components are handed, they are marked on the etch 'L' for left (nearside) and 'R' for right (offside).

NOTE: Crossheads and pins are NOT supplied in this pack but are available separately - COMET MODELS pack LS8.

We strongly recommend that the cylinder and motion bracket assemblies are arranged to bolt on to the frames so that everything can be stripped down and re-assembled as required, otherwise you are sure to finish up with a axle nut or whatever hidden behind the motion. A little forethought when positioning the frame spacers for chassis assembly will facilitate this.

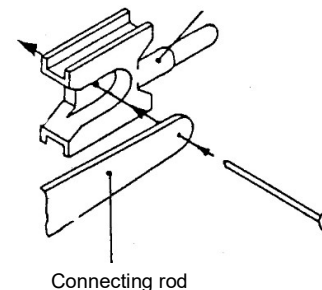
Parts List

- | | |
|----------------------------|------------------------------|
| 1. Coupling rods | 5. Slidebars |
| 2. Coupling rod overlays | 6. Slidebar support brackets |
| 3. Connecting rods | 7. Outer slidebar stays |
| 4. Connecting rod overlays | |

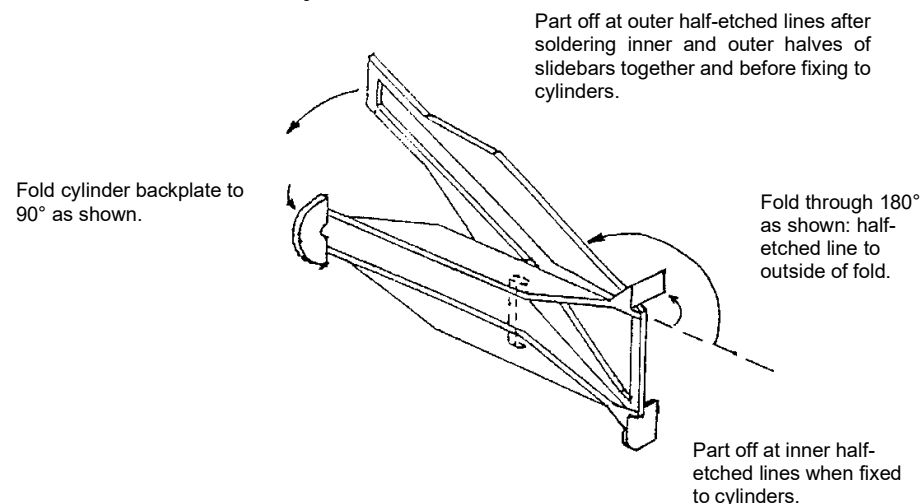
Assembly sequence

1. Fix the plain outer coupling rod overlays (2) to the half-etched inner rods (1). Note the rods are handed - the half-etch detail on the inner rods should be next to the wheels. If you wish to articulate the rods, the inner rod should be split as per the sketch before assembly.
2. Fix the outer connecting rod overlays (4) to the plain inner rod (3) - note the rods are handed.
3. Assemble the connecting rod to the crosshead inserting the pin from the back as per the sketch.
4. Assemble the slide bars (5) to the cylinder rear covers as per the sketch and fettle the slidebars and crossheads as necessary to achieve an easy sliding fit.
5. Fix the slidebar support brackets (6) to the inside of the slidebars ensuring they line up with the locating slots in the frames.
6. Bend up the outer slidebar stays (7) and fix to the slidebars as per the sketch, making sure there is sufficient clearance for the crossheads.

Crosshead assembly (viewed from rear)



Slidebar assembly



Coupling rods

