

**LM25 Motion Set for GWR**  
**LM26 Saint, Hall, Grange,**  
**LM60 Manor and County 4-6-0s**

COMET MODELS components complementing this motion set are:

Frames	LF25 (for Saint/Hall/County)
Frames	LF26 (for Manor)
Frames	LF60 (for Grange)
Cylinders	LC2 Crossheads LS8
Bogie	LS6

This motion set etch is designed to fit our loco frame packs for GWR 4-6-0s LF25 Saint/Hall/County, LF26 Manor, and LF60 Grange. 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).

N.B. Also included in this pack is a separate fret, LM25A, which provides coupling rods for locos such as the early Hall class, which had the knuckle in front of the centre crankpin. Check photographs to see which is appropriate for the loco you are building.

**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 an axle nut or whatever hidden behind the motion. A little forethought when positioning the frame spacers for chassis assembly will facilitate this.

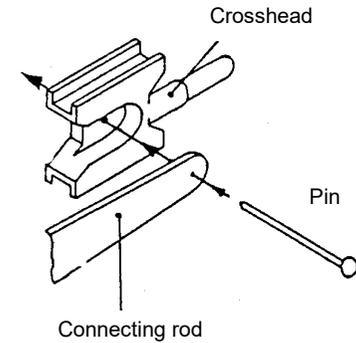
### Parts List

- |                            |                               |
|----------------------------|-------------------------------|
| 1. Coupling rods           | 5. Slide bars                 |
| 2. Coupling rod overlays   | 6. Slide bar support brackets |
| 3. Connecting rods         | 7. Vacuum pump operating arm  |
| 4. Connecting rod overlays |                               |

### Assembly sequence

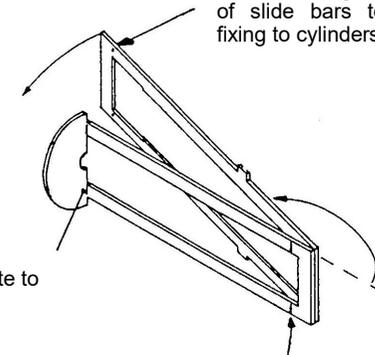
- Fix the plain outer coupling rod overlays (2) to the half-etched inner rods(1). Note the rods are handed - the half-etch detail on the inner rods should be next to the wheels. If you wish to articulate the rods, the inner rod should be split as per the sketch before assembly.
- Fix the outer connecting rod overlays (4) to the plain inner rod (3) - note the rods are handed.
- Assemble the connecting rod to the crosshead inserting the pin from the back as per the sketch. Note that the vacuum pump operating arm (7) should be fitted to the outside of the offside crosshead at this stage. We suggest using a length of 0.7mm straight brass wire for the operating rod.
- Assemble the slide bars (5) to the cylinder rear covers as per the sketch, and fettle the slide bars and crossheads as necessary to achieve an easy sliding fit.
- Assemble the slide bar support brackets (6) to the slide bar - they are positioned just forward of the leading drivers. These are best fitted with the cylinders bolted to the chassis and the front drivers in place. If using EM spacers, trim back to the half-etched line to maintain the correct spacing.

Crosshead assembly (viewed from rear)



Slide bar assembly

Part off at outer half-etched lines after soldering inner and outer halves of slide bars together and before fixing to cylinders.



Coupling rods

