

TF10 Tender Outside Frames Kit GWR Dean Goods 7'6" x 7'6" Wheelbase

Parts List

Etchings

Tender base	Dragbeam overlay
Outer frames (2)	Bufferbeam overlay
Front steps/dragbeam	Coupling hook
Rear steps/bufferbeam	Water scoop base
Front step treads (2)	Drawbar pocket
Rear step treads (2)	Drawbar (2)

Castings

Axlebox/springs (6)	Vacuum pipe
Buffers (2)	Water scoop

Assembly instructions

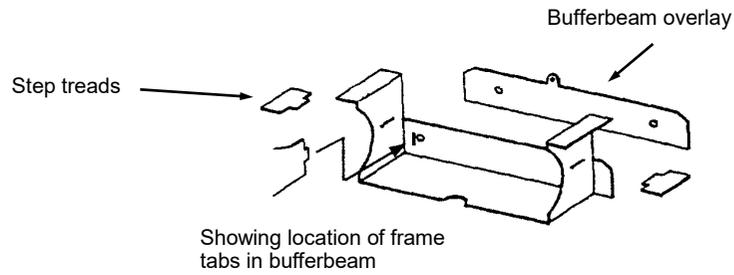
- 1 Press out the rivet detail on the outer frames. Fit the tabs into the slots in the tender base and tack solder to the base at the centre. Make sure the frames are the correct way round—to help you the frames have their front marked (F) on the outside.
- 2 Fold up the front and rear step units as per the sketch (the front step unit is marked 'F'), and then curve up the outer edges of the intermediate step treads, and solder them into their locating slots. (The larger steps are to be fitted to the rear step unit, the smaller ones to the front unit.)
- 3 Locate front and rear step units in place, noting that the projecting tabs on the frames engage in the slots in the dragbeam and bufferbeam. File back the projecting frame tabs flush with the dragbeam and the bufferbeam. Add the dragbeam overlay. If required the plastic bufferbeam from a tender body moulding can be glued to the bufferbeam. Alternatively an etched bufferbeam and cast brass buffers are also provided .
- 4 Carefully check the alignment of frames and steps, adjusting if necessary, and when satisfied make good all joints with solder. File frame tabs down until flush with top of tender base.
- 5 Solder an M2 nut **below** the tender base for the front chassis fixing bolt, and an M2 nut **above** the tender base for the rear chassis fixing bolt. Fold the body locating lugs **up** by 90° to stand vertically. Fold the chassis support lugs **down** by

90°, and reinforce the fold with a fillet of solder.

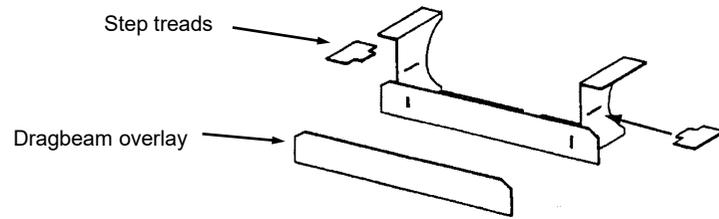
- 6 Add the coupling hook, vacuum pipe and axlebox/spring units.
- 7 Bend up the drawbar pocket and solder to the front spacer of the tender chassis so that the slots in both the spacer and the pocket line up.
- 8 Fold up the water scoop base as shown and fit to the tender chassis simultaneously with the centre brake hanger, the brake hanger wire passing through the holes in the end tabs. The water scoop fits on the base, such that the hinge between the two halves of the scoop is just hidden by (00/EM) or just in front of (P4) the trailing wheel flanges. Make sure there is enough clearance between the bottom of the scoop and the track.
- 9 Solder the two halves of the drawbar together to give sufficient clearance between the loco and the tender on your tightest curves. The drawbar fixing is made via the front chassis fixing bolt as per the sketch. Note that the front fixing bolt will need to be shortened to avoid fouling the base of the tender top moulding.

Assembly sketches

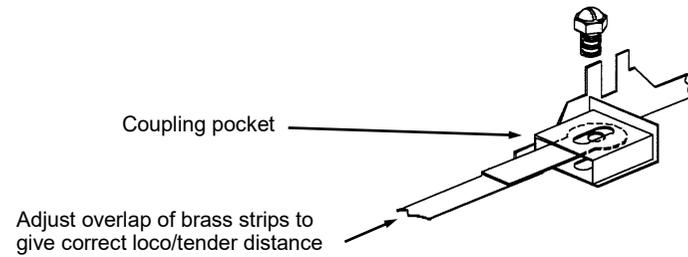
Rear step / bufferbeam assembly, seen from underneath



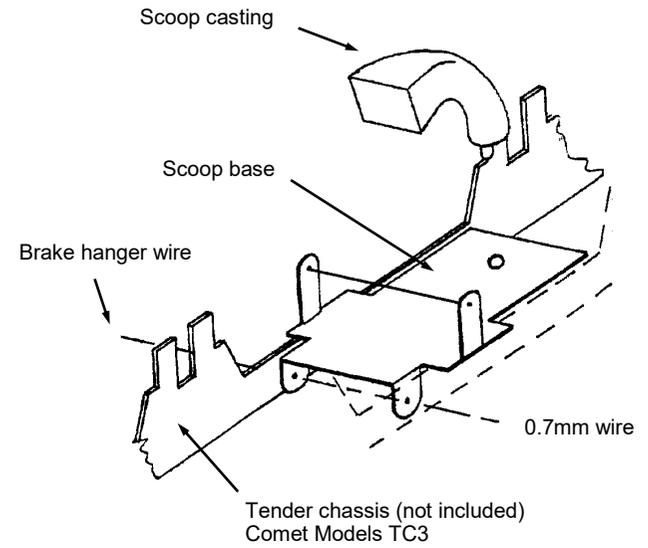
Front step / dragbeam assembly, seen from underneath



Drawbar



Water scoop



Tender base

