COMET MODELS

TF5 Tender Outside Frames Kit
BR Standard 7'0" x 7'0" Wheelbase

Parts list

Etchings

1.	Frames (2)	10.	Bufferbeam overlay (Hornby)
2.	Frame spacers (2)	11.	Bufferbeam overlay (scale)
3.	Front steps	12.	Rear tank base
4.	Front step treads (2)	13.	Coupling hook
5.	Rear steps	14.	Drawbar (2)
6.	Rear step treads (2)	15.	Drawbar pocket
7.	Dragbeam/platform	16.	Rear ladder
8.	Dragbeam overlay	17.	Water scoop base
9.	Bufferbeam		

Castings etc.

Springs/axleboxes (6)	Steam pipe
Sieve boxes (2)	Vacuum pipe
Buffers (2)	Ladder rung wire

Assembly instructions

1. Press out the rivet details from the back of the frames (1) then fold up to 90° from the cross stretcher.

2. Fit the front and rear frame spacers (2) by locating the tabs into the slots in the frames, then solder in place. Solder 8BA nuts above the holes to secure the chassis.

3. Solder the upper step treads in place on the front and rear step units and fold up as per the sketch (3-6).

4. Fit the front step assembly into the recess on the top front of the frames. Ensure this is the right way round but do not solder it in place yet. Bend the dragbeam/platform (7) to 90° along the half etched line and fit it in place. The slots in the dragbeam engage with the tabs on the front edge of the frames and capture the front steps. Solder the dragbeam to the frames and the steps to the dragbeam, ensuring that the steps are vertical.

5. Slide the rear tank base (12) into position over the tabs at the rear of the frames and solder it in place (see sketch).

6. Slide the rear step assembly (5) into the slot in the rear of the frames, making sure it is the right way round. Fit the bufferbeam (9). The slots engage with the tabs on the rear edge of the frames and capture the rear steps. Solder both in place, ensuring that the steps are vertical. Note that as supplied the bufferbeam is designed to fit the Hornby tender moulding. If you intend to fit this underframe to a scale body then trim the bufferbeam down to the half-etched line before fitting.

7. Solder the dragbeam and bufferbeam overlays in place. (8 and 10 or 11). Note that alternative parts are provided for both Hornby and scale tenders.

If you are assembling the tender body from one of our kits, we suggest you now proceed with this before final detailing.

8. Solder the buffers, coupling hook, vacuum and steam pipes to the bufferbeam.

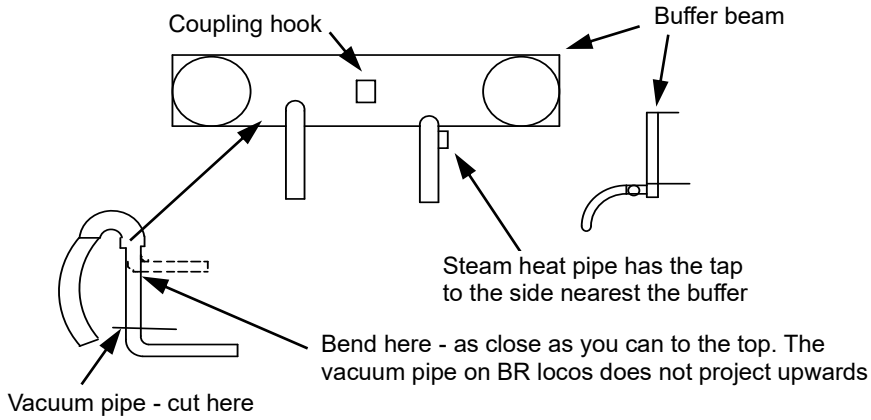
9. Use adhesive or low melt solder to fix the axleboxes and sieve boxes in place, noting that the sieve boxes are handed.

10. If you wish to replace the existing ladder with the etch provided, first drill out the holes for the rungs to 0.5mm before removing the ladder from the fret. Next fold the ladder sides up but leave the sides attached to their stretchers until you have soldered short lengths of 0.45mm wire in place for the rungs. Using end cutters, carefully cut off the stretchers. You will need to fill the existing holes in the tank top and drill new ones to fit the new ladder.

11. 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.

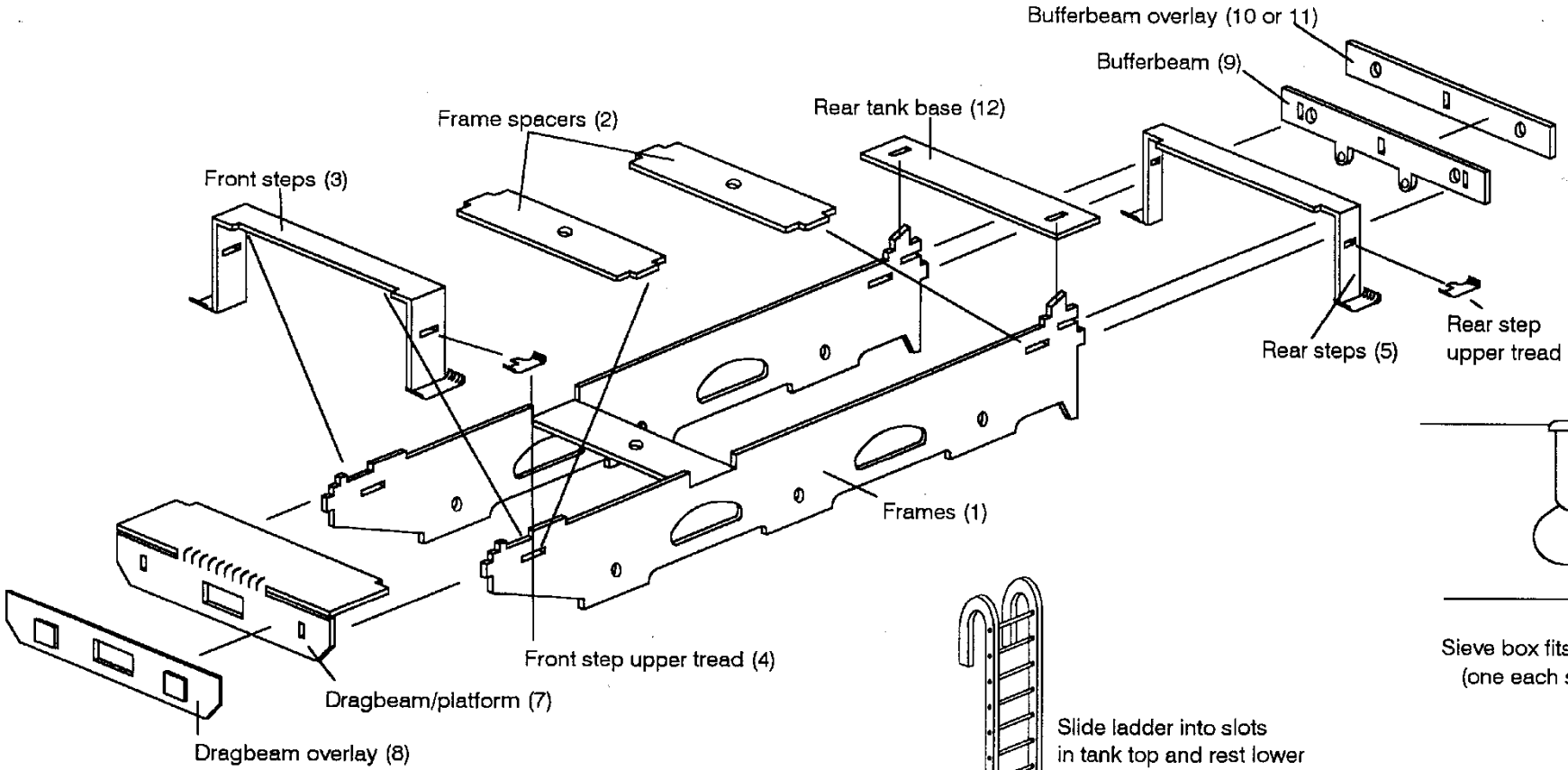
12. Fold up the water scoop base as shown and fit to the tender chassis. The water scoop should be fitted into the hole, ensuring there is clearance over the track.

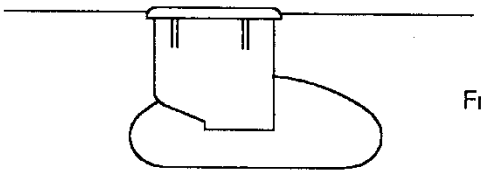
13. Solder the two halves of the drawbar together to give sufficient clearance between loco and tender on your tightest curves. The drawbar fixing is made via the front chassis fixing bolt as per the sketch.



Comet Models is part of Wizard Models Limited, PO Box 70, Barton upon Humber DN18 5XY
Tel 01652 635885, web www.wizardmodels.ltd, e-mail info@wizardmodels.ltd

© Wizard Models Limited 2026

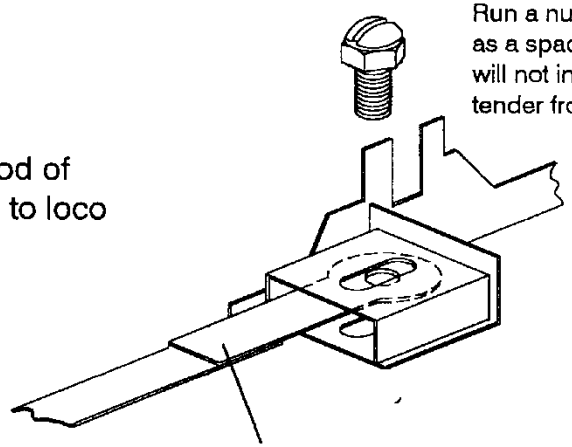




Sieve box fits between 1st and 2nd axle
(one each side - note the handing)

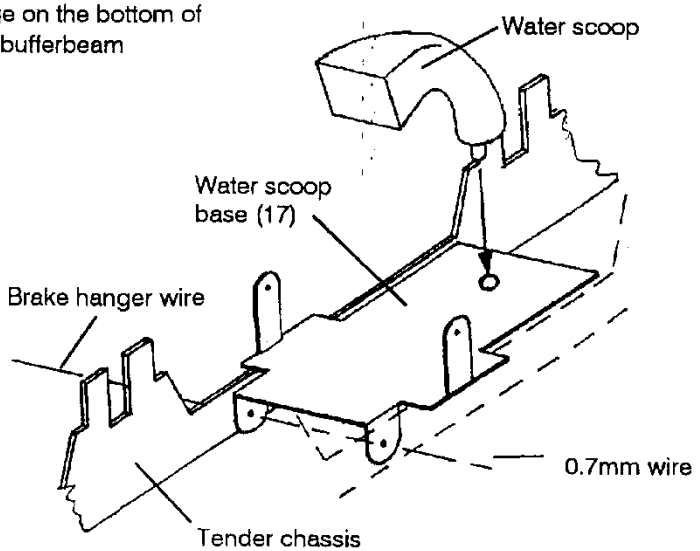
Slide ladder into slots
in tank top and rest lower
edge on the bottom of
the bufferbeam

Method of fixing to loco



Run a nut up the head of the bolt to act as a spacer. This will ensure the bolt will not intrude and interfere with the tender front step cross beam

Adjust relative positions
of brass strip to give
correct loco/tender distance



COMET MODELS TC2