



## CouplerMate Kit Instructions (item #180009k)

This kit will build one Triple Crown-style CouplerMate Rail Bogie. It can be configured to connect to either the front or rear of your RoadRailer train. You will need flush-cut nippers, a hobby knife, needle-nose pliers and plastic cement or Cyanoacrylate (CA or Superglue) for plastic to complete this kit. Read through the instructions before beginning.

Start by removing all parts from the sprues with the flush-cut nipper or hobby knife and laying them out on your work surface. Inspect parts for flash, remove if present using your fingernail or hobby knife.

Glue the toolbox to the platform with the flat area on the side facing the center. Run a thin bead of glue around the inside edge of the toolbox and place it on the raised section. The brake gear has a long pin that fits into the mounting hole and a short pin that rests in a small indentation on the platform. The air tanks face outside. Test fit these parts before gluing. You will only need a small dab of glue on each pin. Glue is not used in any other part of the assembly process.



After the glue has set, turn the frame over and add the coupler to the pocket in the frame. The supplied coupler is an Atlas/Accumate® knuckle coupler. The coupler pocket will also accept other brands of couplers. A medium or long shank is suggested. Be sure the trip pin is facing up during assembly; it will then face down in use. The coupler's knuckles face each other and the trip pin side is installed second. When the coupler is seated in the pocket, place the cover over it with the end having a curved ridge lined up with the back end of the pocket. Press the coupler pocket cover into place seating its pin in the tube on the frame and the ridge inside the pocket. **DO NOT GLUE THE COVER IN PLACE.**

Install the truck with the coupler pocket stub facing away from the CouplerMate's coupler pocket. Place the pin through the hole in the bottom of the truck bolster then gently push the pin through hole in the CouplerMate frame as far as it will go. A pin pusher tool or the back of a pen or small screwdriver works well for pin installation. Push on the frame on either side of the pin hole with needle-nose pliers when installing the pin. A small nut driver will also work, still allowing the pin to slide through and seat in the truck bolster.

You may further dress up your model with a small piece of diamond plate (or tread) on the end of the platform. This Triple Crown version of the CouplerMate does not have safety appliances such as handrails or stirrup steps that are found on the Amtrak version.



There are two parts that have not been used yet, they are the CouplerMate tongue and CouplerMate saddle. In order to use your CouplerMate you must have a CouplerMate tongue on the lead RoadRailer trailer. Optionally, some operators placed a CouplerMate at the rear of a string of trailers. For this you need the T-shaped saddle.



To use the CouplerMate on the rear of your RoadRailer trailer, first you will have to remove the stand truck/bogie, drawbar and long truck pin from the rear of your trailer. We suggest you store the bogie and drawbar under the floor so it does not get misplaced. You will use the long truck pin on the rear-mounted CouplerMate. First install the T-shaped CouplerMate saddle by placing the pin at the base of the T into the trailer kingpin mounting hole on the CouplerMate frame. The hole in the top of the T will allow the long truck pin to pass through. It is then pressed into the hole at the rear of the trailer. Note that the drawbar cannot be used along with a CouplerMate at the rear of the trailer.

Refer to the RoadRailer Train instructions on our website for more details:

[deluxetrains.com/downloads/RoadRailer\\_Instructions.pdf](http://deluxetrains.com/downloads/RoadRailer_Instructions.pdf)

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