



N Scale Kit MI-JACK "TRANSLIFT"[®] INTERMODAL CRANE 933-3222

Thanks for purchasing this Cornerstone kit. All plastic parts are styrene, so use compatible glue and paint to complete your model. Please note that many parts are positionable to simulate a crane at work.

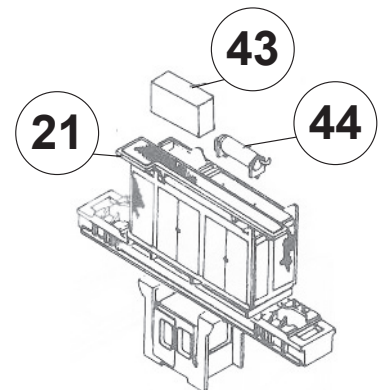
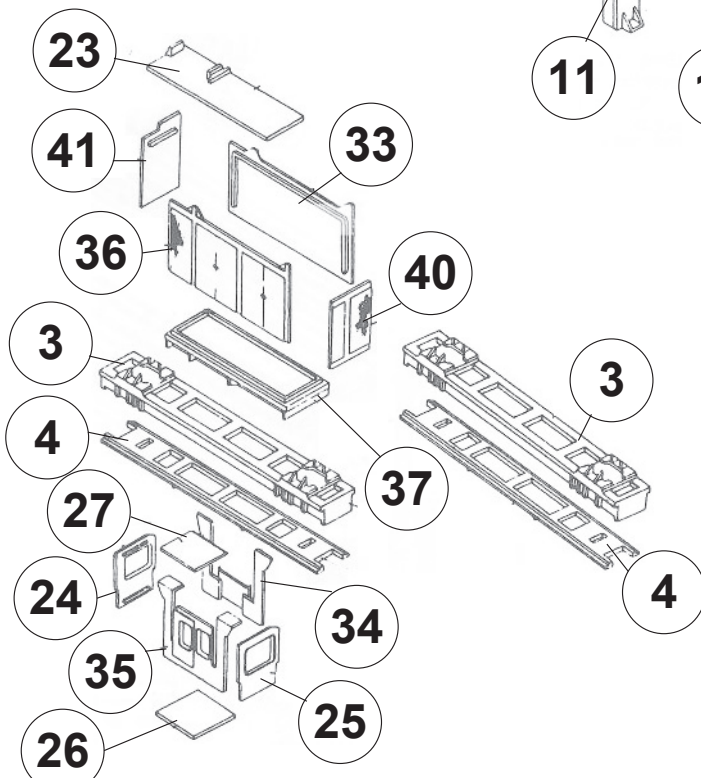
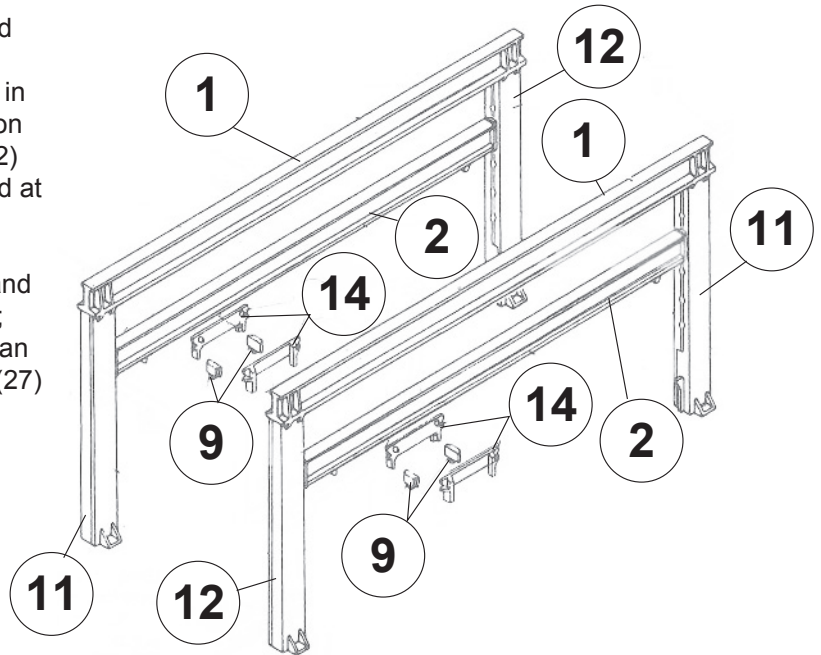
As intermodal service expanded rapidly in the 1960s with bigger cars, trailers and the first containers, problems using ramps for loading and unloading multiplied. Drott Manufacturing teamed up with Mi-Jack Products to adapt a self-propelled crane used for lifting boats to the needs of the railroad industry for fast and efficient handling machinery. Tested on the UP and SP, the improved model had a stabilizing beam to eliminate swaying, and the first production unit went to work for ATSF in 1963. In the 1980s, Mi-Jack purchased the manufacturing rights and continued to improve the design, eventually resulting in the MJ 1000R the prototype for this model. Translift Cranes can load or unload containers or trailers of any size in one minute or less, and can be found at terminals large and small around the globe.

Special thanks to Jack Lanigan Sr. and Trish Vesely of Mi-Jack products for their assistance in production of the model and these instructions.

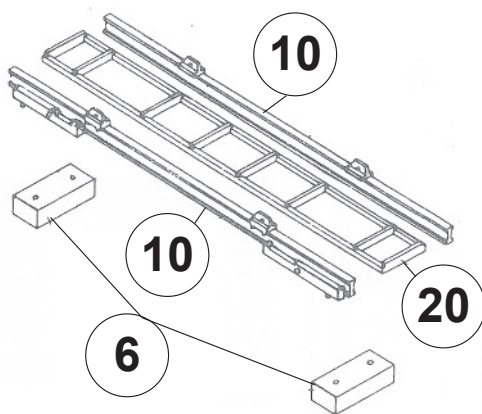
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1) Glue Trolley Spacers (9) to one Trolley Side (14) and allow to dry. Place (do not glue) trolley assembly on Stabilizer Beam (2), and glue second Trolley Side (14) in place. Repeat for opposite side. Place beams in slots on Main Columns (1) and glue Column Inner Sides (11, 12) to ends as shown. Make sure both beams are level and at the same height as desired, and glue in place.

2) Glue Engine Housing (33, 36, 40, 41, 23) together and to Base (37). Glue Cab Walls (24, 25, 34, 35) together; small pieces of clear plastic or acetate (not included) can be used as window glazing. Glue Floor (26) and Roof (27) to cab. Assemble both Side Beams by gluing Bottom Plate (4) to Side Beam (3). Glue completed cab and engine house to one completed beam as shown.

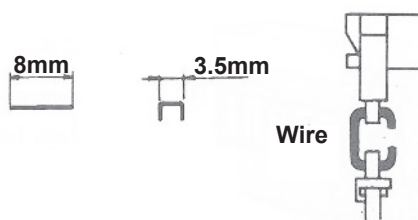
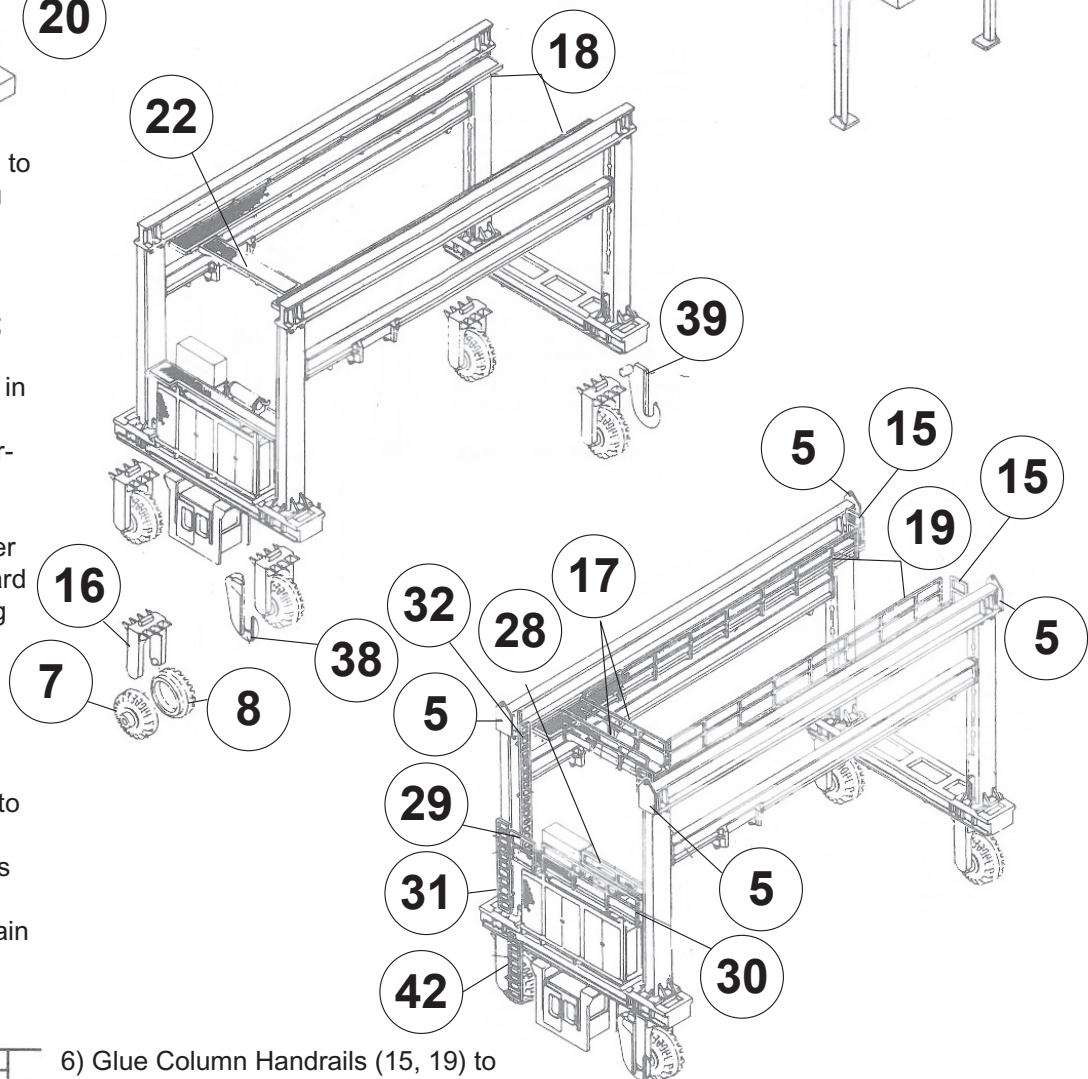


3) Glue Oil Tank (43), Muffler (44) and Walkway (21) to top of engine house.



4) Glue Grappler Side Beams (10) to Grappler Frame (20). NOTE: If you are building your model to load containers (sold separately), add small pieces of sheet steel (not included) under the container roof; install the magnets in this kit as shown to hold containers securely in place. Glue Magnet Holder (6) to bottom of side beams. Using water-based contact cement, glue Magnets (6) inside magnet holder. NOTE: Press, do not glue, Grappler Arms (13) in place, facing downward for loading trailers or up for loading containers.

5) Glue completed main columns from step 1 to completed side beams from step 2. Glue Wheel Halves (7, 8) together and snap into Wheel Supports (16). Glue Drive Units (38, 39) to left and right sides of the side beams as shown. Glue Long Column Walkways (18) to main columns and Short Walkway (22) between main columns.



6) Glue Column Handrails (15, 19) to column walkways (18) and Short Handrails (17) to short walkway (22) as shown. Glue Engine Housing Handrails (28, 29, 30) to assembled engine housing from step 3. Glue Ladders (31, 32, 42) where indicated. Glue End Beam Caps (5) on each end of side beams.

7) Cut four pieces of Wire 8mm long. Bend to a width of 3.5mm. Insert formed wires into grappler assembly from step 4 and bend each end to secure.

DECALING

1. After cutting out the decal, dip in water for 10 seconds, remove and let stand for 1 minute. Slide decal onto surface, position and then blot off any excess water.

2. Lightly brush Micro Sol® on top. This will soften the decal allowing it to conform to irregular surfaces. DO NOT TOUCH DECAL while wet!

3. When the decal is thoroughly dry, check for any trapped air bubbles. Prick them with the point of a small pin or hobby knife blade and apply more Micro Sol®.

