

**NWX #5230 40 Ton Refrigerator Car**  
**North Western Refrigerator Line Co., Series 4000 – 5499 (432 cars 1957)**

References: RP Cyc., Vol IV, p.70; PRR Color Book, Vol. 2, p.79  
Hawkins, RMJ 2000 MAY, p. 14; Kit review RMC 02 Feb, p.98

Base Model: Branchline Trains Kit 1217, 1950's repainted version.

Details: Underframe crossbearers - embossed Mylar caps.  
Stiffener iron under door area of side sill.  
Wood grained car floor, sides, roof and ends- #11 blade; wire brush.  
Roof board edges cut in.  
Upper two corner irons removed per rebuilt prototypes.  
Sill steps - jig bent flat brass.  
Side panels modified for proper fit to ends.  
Cylinder, AB Valve, Reservoir mounts fabricated.  
AB Brakes - Pgh SM Cylinder, GL5232 AB Valve; Pgh SM Dust Trap;  
CS 313 reservoir.  
Levers - Floating Tichy mod. 11 x 21; Cylinder Pgh SM 15 x 22.  
Brake pipe - kit part thinned; couplings and branch pipe tee added.  
Brake bleed rod - 0.006" brass.  
Full brake piping and rigging.  
Angle cocks and hoses - KD  
Ladders -kit parts rungs thinned ~0.015".  
Door latch hardware - kit part thinned slightly; embossed Mylar mounts.  
Wood ice hatches - hand scored using a fabricated guide.  
Hatch irons - drilled and thinned.  
Equipco drain spouts - Intermountain R-40-23.  
Draft gear – National M-50-B keys cast from patterns; Pgh SM bottom plate.  
Cut levers - jig bent.  
Grab irons - jig bent 0.010" brass; second left side grab iron.  
Side placards - fabricated from left-over hatch rests.

Paint: Color match – “dust” sanded from hidden yellow and green areas; applied with lacquer thinner.

Lettering: Prelettered kit; Brake test stencils added - Laser printed black on white stock.  
Carmen’s marks - white & gray colored pencils.

Weathering: Pastels; thinned acrylic grime wheelspray and general dusting..

Model by: **John A. Spencer**