

SOUTHERN #14623 40 Ton 40'-6 Steel 1937 AAR Boxcar

Built in 1941 by Pullman Standard, Bessemer, Alabama.

Lot 5648, Car series 14396-15895.

(Project car built for PMS 2001)

References: PSCMCo. Car inspection report for Lot 5648 [page references in Details].
1940 Car Builders Cyclopedia, p. 110 - earlier square corner design.
RMC61SEP p.25 photo, RMJ96JAN p.47 "Cars in Context"

Base Model: IMWX '37 AAR Kit HOSO623 - Prelettered with small "Southern Serves..." monogram and "W" (round) corner ends; Built as repainted car in mid '50s; In service ca. Fall 1957.

Details: Underframe: two Zee stringer design [p.13] - inner stringer removed; floor boards retooled; holes filled; floor boards wood toned; center sill top plate, EVG 1x8; side sill angle iron, 0.003" embossed Mylar; floor masked then frame members painted black "car cement"; Defect card holder "REAL" [p.3/13, "BL Crossbearer"], cast from pattern.
Draft gear: kit center sill cut back to bolster; PghSM draft gear and end gussets installed.
Brake components: Reservoir, CS AB-313; AB Valve & Dust Trap, GL 5232, relocated from kit, fabricated mount; Cylinder GL 5232, embossed Mylar mount bracket (AAR Pl.1516 design); Brake pipe 0.018" jig bent, frame reslotted for crossover at centerline [p.44], wire insulation couplings (4); Branch pipe tee bracket; Angle cock & bracket, kit part, pipe replaced + KD hose & glad hand; brake piping 0.012" jig bent; cylinder pipe clamp, Mylar angle on crossbearer + 0.015" 'U' clamp; Brake release lever, DA 2501 0.006" brass, 0.010 eye on AB valve; Brake piping 0.012" brass, jig bent; Brake levers cut from 0.012" brown vinyl stock [p.5/13&26]; Floating lever fulcrum top and clip, three hole design [p.14]; Brake rods, 0.010" brass with cast clevises; Safety guards, jig bent with DA 2203 fasteners and embossed Mylar; Bell crank, kit part, .018" pivot pin added, rod replaced; Retainer, kit part, carved slightly, pipe DA 2502 0.008" brass, pipe clamps [p.27] in kit holes with Mylar plates and flattened 0.005" copper wire 'U' straps;
Car sides: Ownership (trust) plates [p.11], laser printed Mylar, embossed rivets.
Handholds: Ladders, 7-rung, kit parts; Bracket grabs; Red Caboose '37 AAR kit parts; End bracket grab RC X-29 part; all rungs thinned to ~ 0.015.
Car ends: Poling pockets recontoured, 1/16" ball cutter; Corner tabs extended inward; Miner brake housing, LLP2K WE hopper on Embossed Mylar bracket [p.28], Cut lever brackets, cast from pattern; Imperial Rotary levers [p.13/13], jig bent; Morton brake step, Plano 190 on thinned kit brackets.
Side sill: Weld line at tabs and bolster scored; Bolster ends - small notches cut; Sill (corner) steps [p.25], kit parts, thinned.
Roof: Murphy rectangular panel [p.1-A, 41], kit part.
Running board: Morton "Open Grip" [p.3 & '46 CBC p.428], Plano 190; Saddles sanded level on special fixture; Laterals, 19_ "[p.12/13], Plano 204 brass stock, edges epoxy filled; 18x18 grab irons, jig bent + 0.016" offset corner eye + DA 2203 fasteners; Lateral and end brackets [p.15,25], embossed 0.003" Mylar.
Car doors: 5/7/5 Youngstown doors [p.41], kit part.
Door hardware: Camel, extracted from Bowser X-31 kit doors, closer and pawl, lock, roller lift handle; hasp - embossed Mylar; relocated 6" center handle ~0.006x0.016 brass; 9" vertical handle, embossed 0.003" Mylar; Placards 16x25 (side and end same size); Route card boards 8x9_ , cast in wood tone from patterns [p.10,21].
Door tracks: Top track left of door removed; back stops, kit is correct.
Trucks: AccuRail 40/50 Ton spring plank, Lenior chilled wheels [p.51-53], LLP2K.

Paint: Prepainted model; Touch up Polly Scale 281 & Testors Grimy Black.

Lettering: "NEW" erased; Reweigh stencil correct 1957 in service date; new RPKD, both Champ HD-53; Built date "3-40" □ "3-41" scraped original; Carmen's marks white & gray pencil.

Weathering: Acrylic grime underside spray; Pastels -Roof "bleaching", Gray with small rust patches; Rain washdown, Lt. Gray lettering, dark gray along rivet seams.

Model by: **John A. Spencer**