



RIVET COUNTER THRALL 86' HIGH-CUBE BOXCAR

Thrall introduced an 86' Hi-Cube Boxcar for auto parts in 1964. Production continued until December of 1973 with many body, ladder, brake, and door variations among each series. The early versions featured roofwalks that were removed by the early 70s. Many lasted until the 2010s when they were retired after reaching their 50-year mandated retirement age. The new **Rivet Counter™** HO Scale series model of the Thrall 86' Hi-Cube Boxcar captures the **railroad, road number, and era-specific™** features of the prototype, as well as changes made to the cars throughout their lifetime.

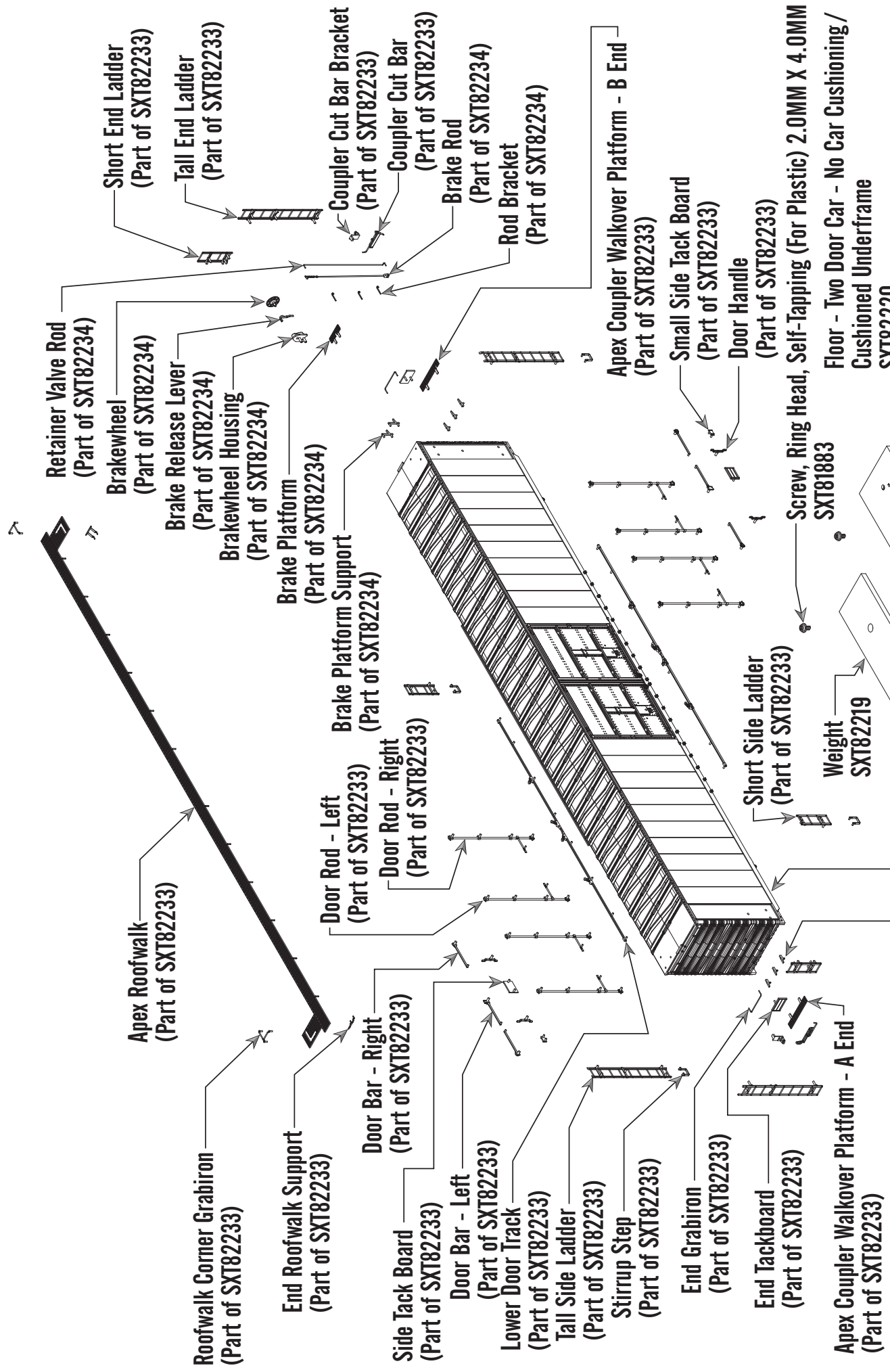
ROADNAME AND ROAD NUMBER SPECIFIC SCALETRAINS

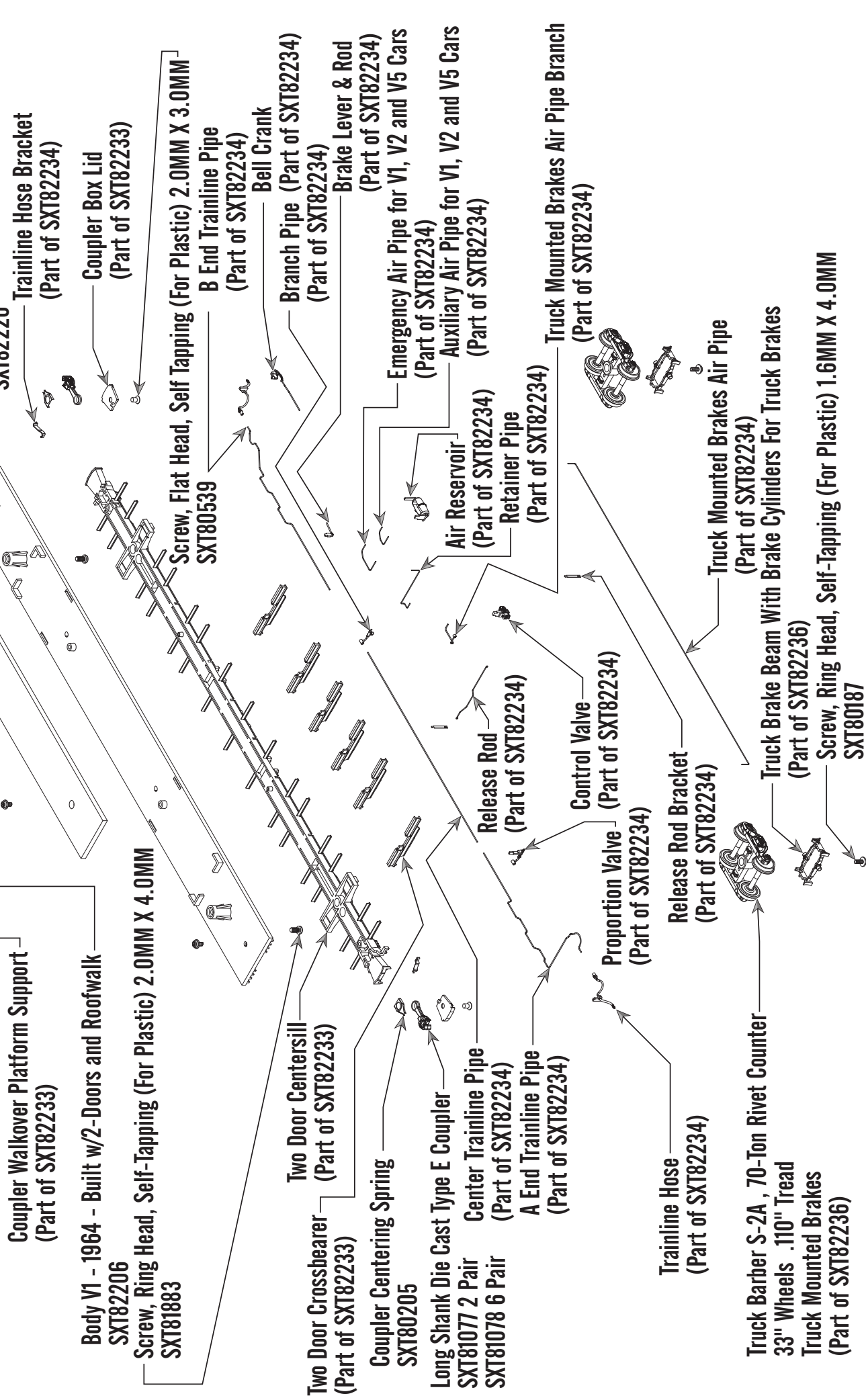
- Fully-assembled
- Double or Quad 10' plug doors
- Separate door rod and handle detail
- Separate lower door track detail
- Accurately placed side mounted tack boards
- Side and end ladders with correct bolt detail in both tall and short configurations
- Roofwalk, removed roofwalk and no roofwalk roof versions
- High or low mounted brake wheel
- Photo-etched stainless-steel see-through Apex (slotted) or Morton (round) crossover platforms
- Straight or notched side sill
- Semi-scale coupler boxes
- Durable body-mounted die-cast metal semi-scale standard Type E couplers
- Accurate underframe designs and cushioning variations
- Highly-detailed 70-ton or 100-ton trucks with finely rendered raised foundry data; rotating black Timken three-sided bearing caps; separate "truckmounted brake" brake beams; and side bearing detail
- 33" or 36" machined metal wheels with accurately profiled .110" wide wheel tread
- Operates on Code 70, 83 and 100 rail
- Body or truck mounted brakes
- Brake plumbing with separate air reservoir, control valve, and retainer valve; separately applied wireform plumbing including trainline pipe with brackets
- Factory painted and applied metal grab irons; coupler cut levers; and trainline hoses with silver gladhands
- Printing and lettering legible even under magnification
- Weighted to Industry standards for reliable operation
- Packaging safely stores model
- Minimum radius: 22"
- Recommended radius: 24"

ScaleTrains • 4901 Old Tasso Rd NE, Cleveland, TN 37312 • www.ScaleTrains.com
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WARNING: This product may contain a chemical known to the State of California to cause cancer or birth defects or other reproductive harm.
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*Only body version 1 shown. For part questions on other versions please contact product support for assistance.

RIVET COUNTER THRALL 86' HIGH-CUBE BOXCAR PARTS

SXT82204 Instructions for HO RC Thrall 86' Hi Cube Boxcar
SXT82206 Body V1 - 1964 - Built w/2-Doors and Roofwalk
SXT82207 Body V2 - 1964 - Built w/2-Doors and Removed Roofwalk
SXT82208 Body V3 - 1964 - Built w/4-Doors and Roofwalk
SXT82209 Body V4 - 1964 - Built w/4-Doors and Removed Roofwalk
SXT82210 Body V5 - 1965 - Built w/2-Doors
SXT82211 Body V6 - 1966 - Built w/2-Doors
SXT82212 Body V7 - 1967-70 - Built w/2-Doors and Cushioned Underframe
SXT82213 Body V8 - 1967-70 - Built w/2-Doors and End of Car Cushioning
SXT82214 Body V9 - 1965 - Built w/4-Doors and Long Upper Door Tracks
SXT82215 Body V9S - 1965 - Built w/4-Doors and Short Upper Door Tracks
SXT82216 Body V10 - 1966-69 - Built w/4-Doors and Cushioned Underframe
SXT82217 Body V11 - 1966-69 - Built w/4-Doors and End of Car Cushioning
SXT82218 Body V12 - 1973 - Built w/2-Doors and End of Car Cushioning
SXT82219 Weight
SXT82220 Floor - Two Door Car - No Car Cushioning / Cushioned Underframe
SXT82221 Floor - Four Door Car - No Car Cushioning / Cushioned Underframe
SXT82222 Floor - Two Door Car - End of Car Cushioning
SXT82223 Floor - Four Door Car - End of Car Cushioning
SXT82224 Floor - Four Door Car - End of Car Cushioning w/Late Train Line Pipe Routing
SXT82225 Floor - Two Door Car - End of Car Cushioning 1973 Design
SXT82226 Two Door Underframe Set

SXT82227 Four Door Underframe Set
SXT82228 Two Door w/Cushioned Underframe Set
SXT82229 Two Door w/End of Car Cushioning Underframe Set
SXT82230 Four Door w/Cushioned Underframe Set
SXT82231 Four Door Underframe Set w/Late Train Line Pipe Routing
SXT82232 Two Door Underframe Set - 1973 Design
SXT82233 Main Body Detail Set
SXT82234 Main Brake Detail Set
SXT82235 Accessory Body and Brake Detail Set
SXT82236 Truck Barber S-2A , 70-Ton Rivet Counter 33" Wheels .110" Tread Truck Mounted Brakes
SXT80419 Truck ASF Ride Control , 70-Ton Rivet Counter 33" Wheels .110" Tread Truck Mounted Brakes
SXT80824 Truck Barber S-2 , 100-Ton Rivet Counter 36" Wheels .110" Tread Truck Mounted Brakes
SXT80289 Truck Barber S-2 , 100-Ton Rivet Counter 36" Wheels .110" Tread Body Mounted Brakes
SXT80539 Screw, Flat Head, Self Tapping (For Plastic) 2.0MM X 3.0MM
SXT81883 Screw, Ring Head, Self-Tapping (For Plastic) 2.0MM X 4.0MM
SXT80187 Screw, Ring Head, Self-Tapping (For Plastic) 1.6MM X 4.0MM
SXT80927 Screw, Round Head, Self Tapping (For Plastic), 2.0MM X 4.0MM
SXT80205 Coupler Centering Spring
SXT80206 Coupler Knuckle Spring
SXT81077 Long Shank Type E Coupler, Diecast 2-Pair
SXT81078 Long Shank Type E Coupler, Diecast 6-Pair

For a list of parts included in each parts set, see the exploded view.



PRODUCT SUPPORT

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FOLLOW SCALETRAINS



WARRANTY POLICY

ScaleTrains.com, Inc. (ScaleTrains) warrants products purchased from our website to be free from defects in material and workmanship for a period of two (2) years from the date of purchase. Products purchased directly from ScaleTrains are automatically registered and a receipt is not required for proof of purchase.

ScaleTrains warrants products purchased from an authorized Select Retailer to be free from defects in material and workmanship for a period of one (1) year from the date of purchase. The warranty period can be extended to two (2) years by registering the product within 30 days of purchase on our website at www.ScaleTrains.com/warranty. Be sure to retain the receipt as proof of purchase as it may be required in the event your model requires warranty service by our Service Center.

If the product fails during the limited warranty period, carefully pack the model in the original packaging. Be sure to include an explanation of the issue(s) along with your name, address, phone and email. If the product(s) were purchased from a Select Retailer, include a legible copy of the sales receipt.

Ship item(s) for repair to our Service Center at...

ScaleTrains Service Center
4901 Old Tasso Road NE
Cleveland, TN 37312

We recommend using a trackable shipping service. Shipping damage incurred on the way to our service center and costs associated with shipping are not covered under warranty.

Damages due to improperly storing, handling, or packaging are not covered under warranty.

If ScaleTrains.com deems the product to be defective, we will either (1) repair (2) replace the item, or (3) offer a store credit redeemable at ScaleTrains.com toward a future purchase. This determination is at the sole discretion of ScaleTrains.

ScaleTrains has the final decision on all warranty matters. The warranty policy is subject to change without notice.