



PRODUCT MANUAL



OPERATOR HO SCALE GUNDERSON MULT-MAX AUTORACK

Operator™ trains are built for modelers who enjoy running high-quality, realistic trains at an affordable price. Designed from builder's drawings and photographs, Operator models have fewer factory-applied parts and simplified printing. For added versatility, super-detail parts are available separately.

In 2013, Greenbrier/Gunderson introduced a new design called "Multi-Max" that aimed to provide the ultimate protection for vehicles and operational flexibility. This design addressed challenges faced by railroads and shippers in the 21st century. The traditional enclosed autorack used to protect new autos from projectiles could not prevent graffiti. Paint spray would pass through the perforations in the side panels and onto the new automobiles, ruining their finish. Multi-Max reduced the chance of paint spray passing through by featuring smaller, fewer, and more widely spaced perforations in its side panels.

Multi-Max also has an innovative design feature, being able to adjust the number of decks for automobiles of different heights. Bi-level autoracks are intended to carry taller vehicles like SUVs or vans, while tri-level autoracks, with an additional deck, handle shorter-in-height standard or compact autos in the same given space. The ability for railroad car shops to change the car configuration from bi-level to tri-level, or vice-versa, as traffic patterns dictate, eliminates the need to order bi- and/or tri-level racks based upon anticipated traffic from manufacturing plants. This feature is beneficial when production shifts from one vehicle type to another, resulting in a surplus of car types unsuitable for the new traffic.

PROTOTYPE SPECIFIC SCALETRAINS

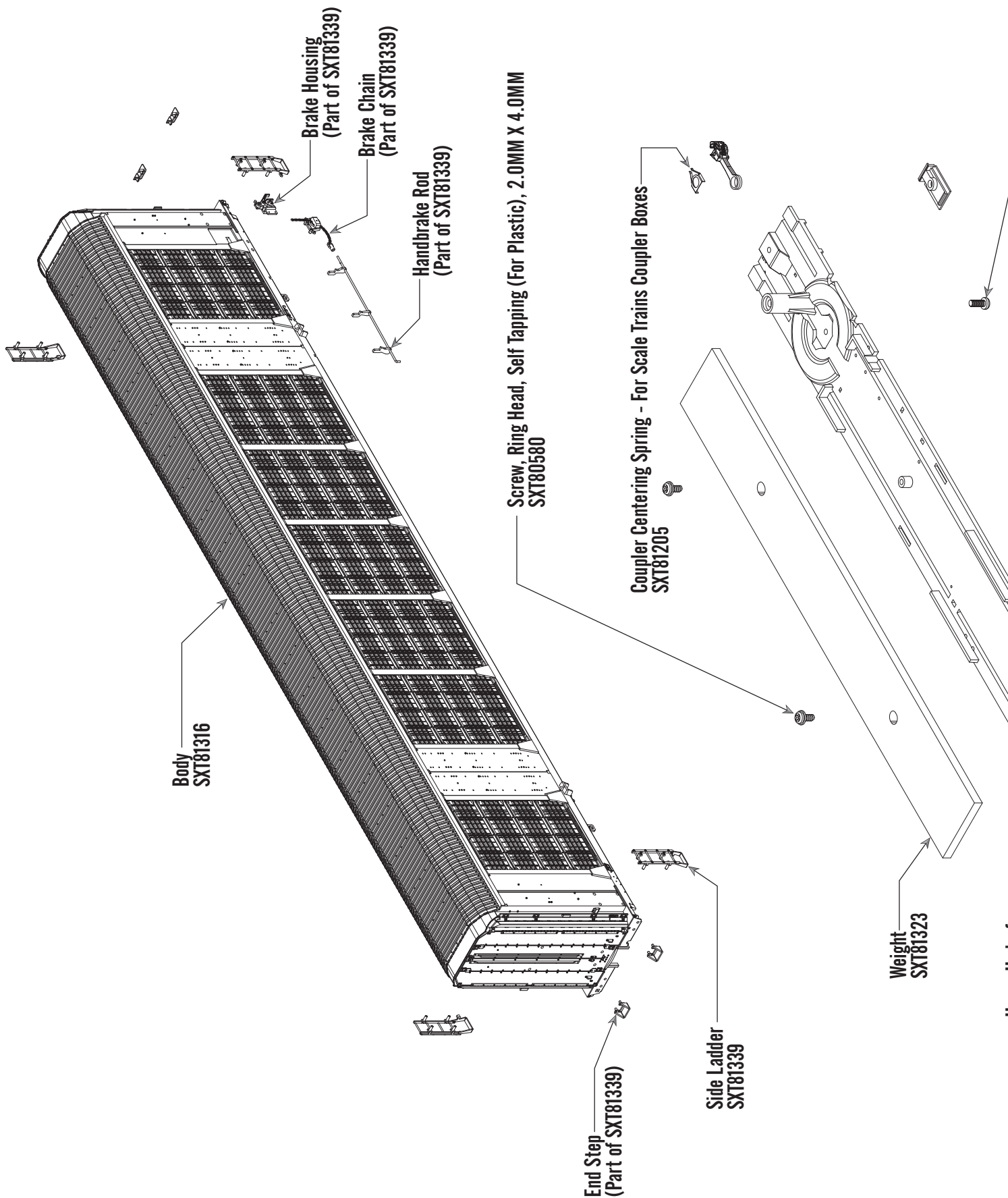
- **All new model**
- **Car rack numbers and ARR rack clearance data is specific to each car number**
- **Exquisit side panel detail**
- **Detail kit available separately: includes door rods, metal grab irons, coupler cut levers, trainline hoses, and more (SXT81270)**
- **Highly detailed, one-piece all-new ASF low deck swing motion trucks**
- **28" machined metal wheels**
- **Simplified underbody brake rigging**
- **Minimum radius 24", recommended radius 26"**
- **Fully assembled**
- **Multiple road numbers**
- **Simplified underbody brake rigging details**
- **Body mounted semi-scale knuckle couplers**
- **Simplified printing and lettering legible even under magnification**
- **Accurately profiled .110" wide wheel tread**
- **Weighted to Industry standards**
- **Operates on Code 70, 83 and 100 rail**
- **Packaging safely stores model**
- **Color matched to Tru-Color Paint colors whenever possible**

ScaleTrains • 4901 Old Tasso Rd NE, Cleveland, TN 37312 • www.ScaleTrains.com
Toll-Free 844-9TRAINS • International 423-299-3689

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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SXT81313



Body
SXT81316

Brake Housing
(Part of SXT81339)

Brake Chain
(Part of SXT81339)

Handbrake Rod
(Part of SXT81339)

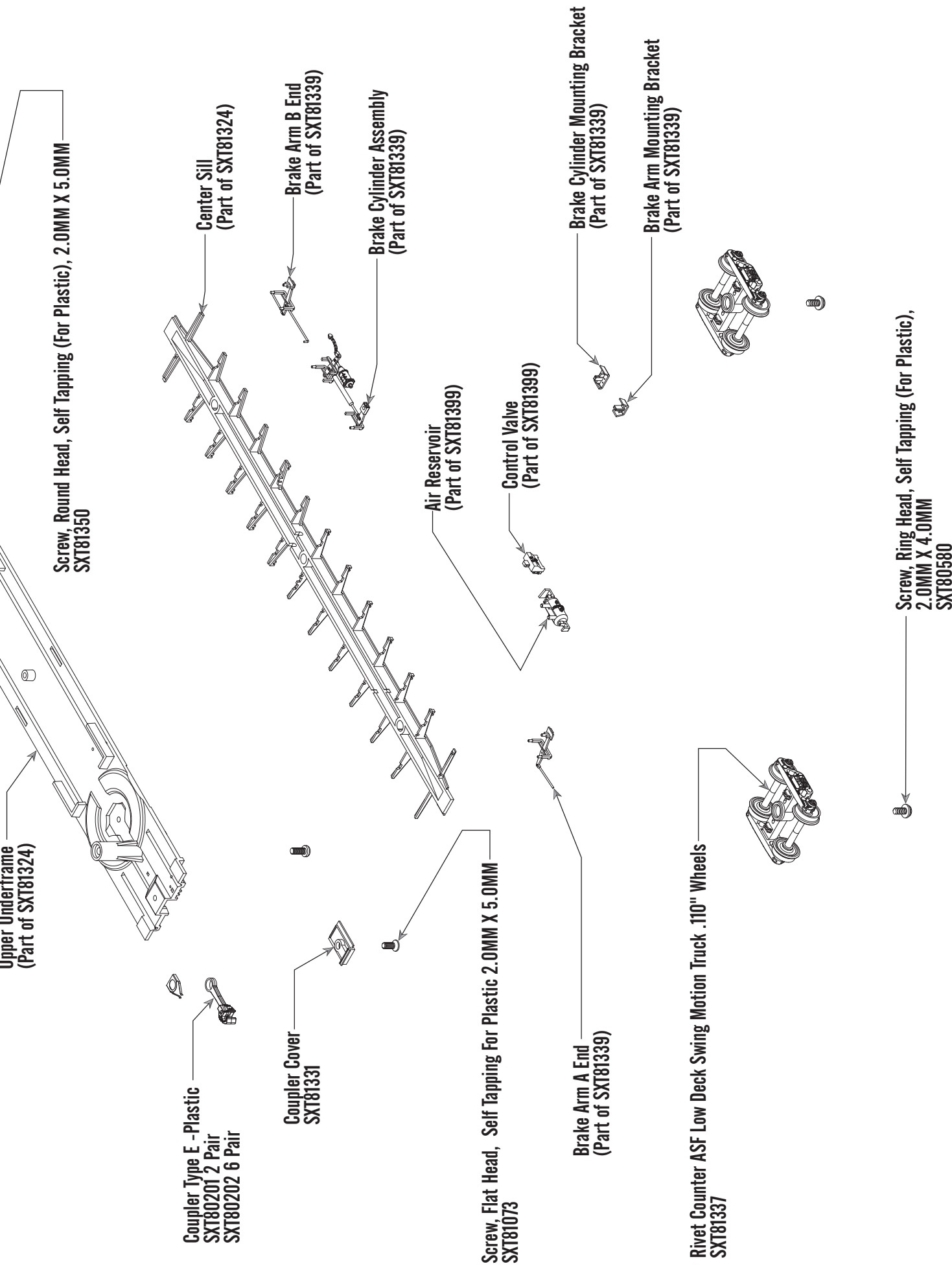
Screw, Ring Head, Self Tapping (For Plastic), 2.0MM X 4.0MM
SXT80580

Coupler Centering Spring - For Scale Trains Coupler Boxes
SXT81205

End Step
(Part of SXT81339)

Side Ladder
SXT81339

Weight
SXT81323



OPERATOR HO SCALE GUNDERSON MULTIMAX AUTORACK PARTS LIST

SXT81313 Instruction Sheet
SXT81316 Body
SXT81323 Weight
SXT81331 Underframe Assembly
SXT81339 Coupler Cover

SXT81333 Body Detail Set
SXT81337 ASF Low Deck Swing Motion Truck .110" Wheels
SXT81350 Screw, Round Head, Self Tapping (For Plastic), 2.0MM X 5.0MM
SXT80580 Screw, Ring Head, Self Tapping (For Plastic), 2.0MM X 4.0MM
SXT81073 Screw, Flat Head, Self Tapping (For Plastic) 2.0MM X 5.0MM

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

ADDITIONAL PARTS AVAILABLE

SXT81270 Operator Detail Upgrade Kit
SXT81068 Type E Coupler, Plastic - 2 pr.
SXT81069 Type E Coupler, Plastic - 6 pr.
SXT80805 Coupler Center Spring

SXT80206 Coupler Knuckle Spring
SXT81351 Rivet Counter ASF Low Deck Swing Motion Truck .088" Wheels (2 Pair)
SXT81336 Rivet Counter Wheelset 28" .088" Tread - 8 Pack
SXT81335 Rivet Counter Wheelset 28" .110" Tread - 8 Pack



PRODUCT SUPPORT

U.S. 844-9TRAINS; 844-987-2467 Ext. 2
International 423-299-3689
Support@ScaleTrains.com



ScaleTrains

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www.ScaleTrains.com

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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.