Association of American Railroads

SAFETY AND OPERATIONS

MANUAL OF STANDARDS

AND

RECOMMENDED PRACTICES
SECTION A, PART I

TABLES OF CONTENT

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Compiled under the direction of the Committees responsible for the subjects shown herein.

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MSRP-A1 INDEX

The MSRP-A1 Table of Contents is an inclusive index of all MSRP specifications, standards, and recommended practices. It is available online at http://www.aar.com/standards/publications.php This easy-to-access document is a convenient way to quickly identify in which manual a specific document resides. The index is updated weekly, enabling the user to see in "real-time" which documents have been updated via Circular Letter.

MSRP-AS ADMINISTRATIVE STANDARDS SUPPLEMENT

MSRP-AS serves as a supplement to all MSRP sections and is available as a free download at http://www.aar.com/standards/publications.php). All users are governed by the administrative standards in MSRP-AS in addition to the standards and specifications in each section of the *Manual of Standards and Recommended Practices*.

TECHNICAL QUESTIONS

For technical questions regarding this manual, contact the following:
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TO THE USER

Section A, Part I contains a comprehensive index of the entire AAR *Manual of Standards and Recommended Practices*, Sections A through S. This index is arranged in three sections:

- A numerical list of all "M" specifications, "RP" recommended practices, and "S" standards.
- An alphabetical list by subject.
- A list organized by the MSRP section

Each list shows the standard, recommended practice, or specification number, the subject, and the section of the *Manual of Standards and Recommended Practices* in which that document is located. In addition, all Circular Letters that affect a document since its most recent publication are also identified.

Note: Each individual section of the *Manual of Standards and Recommended Practices* also includes a table of contents for that particular section.

HOW TO USE THIS INDEX

This index of the *Manual of Standards and Recommended Practices* contains a list of every document contained in the individual sections (AS through S). You can search this index in one of three ways:

1. Locate a document by its number using the Numeric Index on page A-I–1.
2. Locate a document by its title using the Alphabetic Index on page A-I–25.
3. Locate a document by searching a particular section in the Section Index on page A-I–49.

The right-hand column of each index contains the words "Update Available" if a document is affected by a Circular Letter that was issued subsequent to the release of the manual containing the document. You may click the link (if viewing the PDF) or go to the section entitled "Current Circular Letters" to view a list of Circular Letters issued for each affected document.

DISCLAIMER

The "Current Circular Letters" section lists the Circular Letters that have been issued subsequent to the release of the MSRP specifications, standards, and recommended practices shown in MSRP-A1. This list is intended to improve accessability to the users. It is the responsibility of the user to ensure that individual MSRP sections reflect interim revisions implemented via Circular Letter. This list of Circular Letters is current as of the date printed in the margin. Any changes issued via AAR Circular Letter after that date will not be included.

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PREFACE

The *Manual of Standards and Recommended Practices* of the Safety and Operations Department, Association of American Railroads, is issued by authority of the Management Committee of the Division and includes all regularly adopted specifications, standards, and recommended practices of the Association of American Railroads.

The manual is composed of the following sections:

- Section AS—Administrative Standards Supplement serves as a supplement to all *MSRP* sections (this is available as a free download at http://www.aar.com/standards/publications.php)
- Section A—Table of Contents, Alphabetical and Numerical Index of Sections B through S inclusive (this is available as a free download at http://www.aar.com/standards/publications.php)
- Section B—Freight Car Draft Components (100 Series)
- Section C—Car Construction—Fundamentals and Details (200 and 2000 Series)
- Section C, Part II—Design, Fabrication, and Construction of Freight Cars, M-1001
- Section C, Part III—Specifications for Tank Cars, M-1002
- Section D—Trucks and Truck Details (300 and 3000 Series)
- Section E—Brakes and Brake Equipment (300, 400, 3000, and 4000 Series)
- Section E, Part II—Electronically Controlled Brake Systems (4200 Series)
- Section F—Sensors
- Section G—Wheels and Axles (600 Series)
- Section G, Part II—Wheel and Axle Shop Manual (600 and 700 Series)
- Section H—Journal Bearings and Lubrication (700 Series)
- Section H, Part II—Roller Bearing Shop Manual (700 Series)
- Section H, Part III—Lubrication (Shop) Manual (700 Series)
- Section I—Intermodal Equipment Manual
- Section J—Specification for Quality Assurance, M-1003
- Section K, Part I—Railway Electronics Systems Architecture and Concepts of Operation (9000 Series)
- Section K, Part II—Locomotive Electronics and Train Consist System Architecture (9100 Series)
- Section K, Part III—Wayside Electronics and Mobile Worker Communications Architecture (9200 Series)
- Section K, Part IV—Office Architecture and Railroad Electronics Messaging (9300 Series)
- Section K, Part V—Electronics Environmental Requirements and System Management (9400 Series)
- Section K, Part VI—Railway Data Management and Communications (9500 Series)
- Section L—Lettering and Marking of Cars (900 Series)
- Section M—Locomotives and Locomotive Interchange Equipment (500 and 5000 Series)
- Section N—Multi-Level Manual (800 Series)
- Section S—Casting Details
- Section S, Part II—Truck Details and Casting Codes (300 and 3000 Series)
- Section S, Part III—Coupler and Yoke Details (100 Series)

Specifications are designated with an “M” prefix (e.g., M-900). Standards are prefixed “S” (e.g., S-900). Recommended Practices carry the prefix “RP” (e.g., RP-900).

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Note: Click the “Update Available” link in the column entitled “Circulars?” to identify any circular letters that implement specifications, standards, or recommended practices revised since the MSRP section was last printed. Call 877-999-8824 with questions.

Standard	Subject	Section	Circulars?
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M-914	Brake Cylinder Lubricant	E	
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Standard	Subject	Section	Circulars?
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M-941	End Enclosure for Fully Enclosed Multi-Level Auto Rack Cars	N	
M-942	Journal Roller Bearing Grease	H	Update Available
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M-952	Intermodal Container Support and Securement System for Freight Cars	I	
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Standard	Subject	Section	Circulars?
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RP-110	Cushioning Device Inspection	B	
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Standard	Subject	Section	Circulars?
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RP-518	Brake Shoe Unflanged	M	
RP-545	Testing Electrical Components	M	
RP-546	Minimum Requirements for Main Reservoir System on New and Rebuilt Diesel-Electric, Electric, and Gas Turbine Locomotives of 800-hp Capacity and Greater	M	
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RP-614	Gauge, Wheel—Master Gauge For Verifying Wheel Gauges S-617 and S-618	G	
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Standard	Subject	Section	Circulars?
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RP-803	Ride Quality Performance Requirements for Motor Vehicle Shipments	N	
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RP-817	Destination Inspections	N	
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RP-830	Form Preparation for Vehicle Inspection	N	
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RP-852	Intermodal Equipment Cars	I	
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RP-902	Cars Equipped with Antipilferage Devices	L	

Note: Click the "Update Available" link in the column entitled "Circulars?" to identify any circular letters that implement specifications, standards, or recommended practices revised since the MSRP section was last printed. Call 877-999-8824 with questions.

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Standard	Subject	Section	Circulars?
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RP-2017	Striker Casting, Cast Steel	C	
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RP-5126	Recessed Windshield Wiper Valve, Train-Order Light Switch, and Flush-Mounted Train-Order Light	M	
RP-5127	Rounded Cab Window Latch in Locomotive Cabs	M	
RP-5128	Rounding All Possible Exposed Convex Edges and Corners	M	
RP-5132	Diesel Locomotive Control Stand for New Locomotives	M	
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RP-5503	Locomotive Fueling Interface	M	
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Standard	Subject	Section	Circulars?
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S-106	Coupler, E Type, No. 10-A Contour and Detail of Pivot Pin Hole	S-III	
S-107	Coupler, E Type, Standard and Alternate Standard, E67CE and E67DE	S-III	
S-108	Coupler, E/F Type, Standard and Alternate Standard, E68CE and E68DE	S-III	
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S-115	Coupler, F Type, with Top Shelf, Standard, SF79DE	S-III	
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S-121	Draft Key	B	
S-122	Draft Key Retainer	B	
S-125	Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective ACF Freight Saver 20- or 30-in. Travel Units—Plate No. 526-1	B	
S-126	Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective Keystone 20-in. Travel Unit, Santa Fe Shock Control, A.O. Smith Cushion Ride, and Rockwell Cargo Cushion—Plate No. 526-2	B	
S-127	Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective Hydra Cushion 10-, 12-, or 20-in. Travel Units or Evans Cushion Pak Wide Tunnel Units—Plate No. 526-3	B	

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Standard	Subject	Section	Circulars?
S-128	Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective Hydra Pullman Standard Hydroframe 40 and 60 Units or National 3C Wide Tunnel Units—Plate No. 526-4	B	
S-129	Couplers—Arrangement of Operating Mechanisms	S-III	
S-130	Coupler, E Type, Articulated Rotor Lever Assembly	S-III	
S-131	Coupler (Rotary), Type E60, Operating Rod, use with up to 6 1/2-in. Total Draft Gear Travel	S-III	
S-132	Operating Mechanism, Type No. 6, Interlocking	S-III	
S-133	Coupler (Rotary), Type F70, Operating Rod, use with up to 6 1/2-in. Total Draft Gear Travel	S-III	
S-134	Coupler (Rotary), Types E60, E67, and F70, Operating Rod for Use with Standard Draft Gear or End-of-Car Cushioning up to 15-in. Total Travel	S-III	
S-137	Coupler Shank Wear Plates and Application	S-III	
S-139	Yokes, Relief Fillets	S-III	
S-141	Yoke, E Type, Y40AE, Standard, for 24 5/8-in. Draft Gear Pocket	S-III	
S-142	Yoke, E Type, Y41AE for 36-in. Draft Gear Pocket	S-III	
S-143	Yoke, E Type, SY40AE or YS93AE, Standard, for 24 5/8-in. Draft Gear Pocket	S-III	
S-149	Yoke, E/F and F Type, Y45AE, Standard, for 24 5/8-in. Draft Gear Pocket	S-III	
S-151	Yoke, E/F Type, Y49AE, Standard, for 36-in. Draft Gear Pocket	S-III	
S-154	Coupler, E Type, SE67CE and SE67DE, Top and Bottom Shelf	S-III	
S-155	Coupler, E Type, SE68CE and SE68DE, Top and Bottom Shelf	S-III	
S-156	Immobilization of Freightmaster Types SP-E and SP-C	B	
S-157	Immobilization of Freightmaster Types F, FS, and B	B	
S-158	Immobilization of Freightmaster	B	
S-159	Immobilization of Freightmaster Types HD and AR-F	B	
S-160	Immobilization of Keystone Type E Miner SR-12	B	
S-161	Immobilization of Freightmaster 10-in. Type E Miner M-12S	B	
S-162	Immobilization of Keystone F Shank	B	
S-163	Coupler, E Type, SBE60DE and SBE60EE, Bottom Shelf	S-III	
S-164	Coupler, E Type, SBE67CE and SBE67DE, Bottom Shelf	S-III	
S-165	Coupler, E/F Type, SBE68CE and SBE68DE, Bottom Shelf	S-III	
S-170	Coupler, E/F Type, SBE69BE and SBE69CE, Bottom Shelf	S-III	
S-171	Immobilization of Pullman Standard, ACF, or Keystone Center-of-Car Cushioning Devices (“Dummy Cylinder Method”)	B	
S-172	Coupler, E/F Type, SE69BE and SE69CE, Top and Bottom Shelf	S-III	

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Standard	Subject	Section	Circulars?
S-173	Coupler, E Type, Guard Arm Lightener Hole Openings and Knuckle Flag Hole—Standard Dimensions	S-III	
S-174	Coupler, F Type, Guard Arm Lightener Hole Openings and Knuckle Flag Hole—Standard Dimensions	S-III	
S-176	Yoke, E Type, Cushioning, for Pocket EOC-7	S-III	
S-177	Yoke, E Type, Cushioning, for Pocket EOC-8	S-III	
S-178	Yoke, F Type, Cushioning, for Pocket EOC-9	S-III	
S-179	Yoke, F Type, Cushioning, for Pocket EOC-10 and EOC 26	S-III	
S-180	Yoke, F Type, Cushioning, for Pocket EOC-1, EOC-2, and EOC-16	S-III	
S-181	Cushioning Pocket Identification Guide—AAR Rule 59	B	
S-182	Pocket Tolerances—EOC-8	B	
S-183	Pocket Tolerances—EOC-9	B	
S-184	Pocket Tolerances—EOC-10	B	
S-203	Coupler, Height Adjustment	C	
S-204	Body Center Plate, Separable—Surface Finish	C	
S-206	Body Center Plate, Cast Steel or Forged—for Freight Cars with 14-in. Center Plates	C	
S-207	Body Center Plate, Cast Steel or Forged—for Freight Cars with 16-in. Center Plates	C	
S-211	Body Center Plate Gauge—14-in. and 16-in. Diameter	C	
S-212	Side Door, Boxcar—Sliding Type	C	
S-213	Side Door, Boxcar—Plug Type	C	
S-215	Safety Hangers and Retainers—for Freight Car Doors	C	
S-217	Identification Plate—Boxcar Doors	C	
S-219	Safety Appliances for Bulkhead Flatcars, Including Pulpwood Cars	C	
S-220	Safety Appliances for Special Service High-Side Gondolas with Fixed Ends	C	
S-224	Handholds, Safety Railings, and Ladder Treads	C	
S-225	Spark Shield—Wooden Deck Cars with Cast Iron Brake Shoes	C	
S-226	Running Boards, Walkways, Brake Steps, and End Platforms	C	
S-227	Walkways, Alternate—at Sides of Double-Stack Car Wells	C	
S-229	DOT Placard Location	C	
S-230	Lading Strap Anchor Arrangement and Use—for Flatcars	C	
S-233	Gravity Outlet Gates, New—for Covered Hopper Cars	C	
S-234	Lifting Freight Cars	C	
S-235	Side Bearing Wear Plate—Car Body	C	
S-236	Striker, Cast Steel, F70 Coupler Design, 24 5/8-in. Draft Gear Pocket—Welded Application	C	

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S-238	Striker, Cast Steel, F70 Coupler Design, 24 5/8-in. Draft Gear Pocket—Parts and Assembly	C	
S-239	Arrangement E60 Coupler Design 24 5/8 in. Draft Gear Pocket Striker Applied by Welding	C	
S-243	Draft Arrangement, E68 Coupler, 24 5/8-in. Pocket	C	
S-244	Draft Arrangement, E69 Coupler, 24 5/8-in. Pocket	C	
S-245	Draft Arrangement, F70 Coupler, 24 5/8-in. Pocket—Striker Applied by Welding	C	
S-247	Draft Arrangement, F79 Coupler, 24 5/8-in. Pocket	C	
S-249	Door Puller Bracket, Application to Intermediate Post	C	
S-252	Door Air Lines—Location of End Cocks	C	
S-253	Train Coal Car, 100-Ton Nominal Capacity, with Train Positioner—Clearance Diagram	C	
S-254	Draft Pocket Tolerances	C	
S-255	Combined Striker and Front Draft Lug Tolerances	C	
S-258	Body Center Plate Relief	C	
S-259	Rail Car, 286,000-lb Gross Weight	C	
S-265	Center Pin—Freight Car	C	
S-266	Center Sill Section, Rolled Steel	C	
S-267	Center Sill Section—Welding Notes	C	
S-269	Coupler Carrier Wear Plate	B	
S-270	Wear Plate, Used in Cushion Unit and Draft Systems that Employ the Y-47 Pin for an F Shank	B	
S-286	Free/Unrestricted Interchange for 286,000 lb Gross Rail Load Cars	C	
S-300	Truck, Freight Car—Design Data	S-II	
S-301	Truck, 33-in. Wheels—Design Dimensions	S-II	
S-302	Truck, 36-in. Wheels—Design Dimensions	S-II	
S-304	Truck, 38-in. Wheels—Design Dimensions	S-II	
S-306	Center Plate Liner—Vertical, 6 1/2 in. × 12 in.	D	Update Available
S-307	Center Plate Liner—Horizontal, 6 1/2 in. × 12 in.	D	Update Available
S-308	Center Plate Liner—Vertical, 6 1/2 in. × 12 in.	D	Update Available
S-310	Bolster, 14 in. Center Plate—Limiting Outline	S-II	
S-311	Bolster, 16 in. Center Plate—Limiting Outline	S-II	
S-312	Marking Diagram, Truck Bolster	S-II	
S-314	Marking Diagram, Truck Side Frame	S-II	
S-316	Bolster—Tolerances	S-II	
S-317	Side Frame—Tolerances	S-II	
S-318	Side Frame—Bolster Rotation Stop Lug	S-II	

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Standard	Subject	Section	Circulars?
S-319	Side Frame—Wide Land Rotation Stop Lug Column	S-II	
S-320	Side Frame—Column Wear Plate, Application	D	
S-325	Side Frame, Narrow Pedestal—Limiting Dimensions	S-II	
S-327	Side Frame—Roof Repair	S-II	Update Available
S-329	Side Frame, Narrow Pedestal—Roller Bearing	S-II	
S-332	Spring—D2, 1 5/8-in. Travel	D	
S-333	Spring—D3, 2 1/2-in. Travel	D	
S-334	Spring—D4, 3 1/16-in. Travel	D	
S-335	Spring—D5, 3 11/16-in. Travel	D	
S-336	Spring—D6, 3 3/8-in. Travel	D	
S-337	Spring—D6A, 3 15/16-in. Travel	D	
S-338	Spring—D7, 4 1/4-in. Travel	D	
S-339	Spring—Groups for D2	D	
S-340	Spring—Groups D3, D4, D5, and D7	D	
S-341	Spring—Groups D3, D4, D5, and Snubber	D	
S-342	Spring—Groups D3, D4, D5, D7, and Snubber	D	
S-343	Spring—Groups D5 and Hydraulic Snubber	D	
S-344	Brake Beam Specifications and Tests	E	
S-345	Brake Beam—Tolerance, Hangerless Type	E	
S-346	Brake Beam—Outline, Hanger Type	E	
S-348	Brake Beam Gauges for Standard Brake Beams	E	
S-349	Brake Beam—Outline, Hangerless Type	E	
S-352	Brake Beam Gauge Assembly—Hangerless Type	E	
S-353	Brake Beam Gauge Details—Hangerless Type	E	
S-355	Brake Beam Gauge Application—Hangerless Type	E	
S-358	Go Gauge for Brake Head, Metal or High-Friction Shoe	E	
S-359	Go and No-Go Gauge for Brake Head for Limiting Contour of Face, Metal or High-Friction Shoe	E	
S-360	Gauges for End of Hangerless-Type Brake Beam	E	
S-361	Go Gauges for Brake Shoe	E	
S-362	No-Go Gauge for Brake Shoe	E	
S-365	Standard Location of Brake Hanger Brackets and Unit Guide Brackets	E	
S-366	Unit Guide Bracket, EC-2055—Design Dimensions	S-II	
S-367	Wear Plate for Unit-Type Brake Beam Guide in Side Frame	E	
S-368	Brake Beam Hangers and Attachments	E	
S-369	Brake Beam Hangers and Attachments	E	
S-370	Limiting Contour of Face of Brake Heads for Hanger-Type Brake Beams	E	

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Standard	Subject	Section	Circulars?
S-371	Limiting Contour of Face of Brake Heads for Hangerless-Type Brake Beams	E	
S-372	Brake Head Conversion—Metal Shoe-Type to High-Friction Composition	E	
S-373	Location of Peep Hole on Cars Having Deep Side Sills for Checking Brake Cylinder Piston Travel	D	
S-374	Badge Plate for Showing Proper Dimensions for Body and Truck Brake Levers	E	
S-375	Break Pin Tolerance	E	
S-376	Brake Shoe Keys	E	
S-377	Side Frame Keys for AAR Standard and Alternate Standard Pedestal-Type Side Frames	D	
S-378	Side Frame, Cast Steel—Marking and Mating	S-II	
S-379	Application Tolerances for Hanger-Type Brake Beams	E	
S-380	Hangerless Brake Beam Extension Functional Gauge (Parallelism)	E	
S-392	ABC-NACO Technologies (formerly National Castings)—Drawings	S-II	Update Available
S-392	ASF-Keystone, Inc.—Drawings	S-II	
S-392	Buckeye Steel Castings—Drawings	S-II	
S-392	Pennsy Corporation—Drawings	S-II	
S-392	Standard Car Truck Company—Drawings	S-II	
S-392	Truck—Design Drawings	S-II	
S-393	ABC-NACO Technologies (formerly National Castings)—Designs	S-II	
S-393	ASF-Keystone, Inc.—Designs	S-II	
S-393	Birdsboro Corporation—Designs	S-II	
S-393	Buckeye Steel Castings—Designs	S-II	
S-393	Canadian Steel Foundries—Designs (by American Steel Foundries, now ASF-Keystone, Inc.)	S-II	
S-393	Canadian Steel Foundries—Designs (by National Castings, now ABC-NACO Technologies)	S-II	
S-393	Dofasco—Designs	S-II	
S-393	Dofasco—Designs (by National Castings, now ABC-NACO Technologies)	S-II	
S-393	Dresser Transportation Equipment Division—Designs	S-II	
S-393	Fundiciones de Hierro y Acero, S.A.—Designs (ceased production in 1992)	S-II	
S-393	Ohio Steel Foundry—Designs	S-II	
S-393	Pittron—Designs	S-II	
S-393	Scullin Steel Company—Designs	S-II	

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Standard	Subject	Section	Circulars?
S-393	Side Frames and Bolsters—Produced Prior to 1978	S-II	
S-393	Siderurgica Nacional, S.A.—Designs (Sahagun, Mexico; now owned jointly by National Castings de Mexico, S.A. de C.V. and ABC-NACO Technologies)	S-II	
S-394	Side Bearing Pad for Two-Hole Application	D	
S-399	Specification for Bottom Rod Safety Supports	E	
S-400	Brake Equipment—Installation Specifications	E	
S-401	Brake Design Requirements	E	
S-402	Air Brake Pipe and Fittings for Railroad Cars—Welding Procedure	E	
S-419	Slack Adjuster, Mechanical, Double-Acting, Automatic Tension	E	
S-420	Slack Adjuster—Limiting Design Dimensions (Group E)	E	
S-420A	Slack Adjuster, Tension—Limiting Design Dimensions	E	
S-421	Slack Adjuster, Center Rod Application (Group E)	E	
S-422	Slack Adjuster, Top Rod Application (Group E)	E	
S-423	Slack Adjuster Reclamation—Automatic, Double-Acting, Mechanical Slack Adjusters	E	
S-424	Angle Cock Location	E	
S-425	Angle Cock Location on Cars Equipped with AAR Type F Coupler	E	
S-426	Angle Cock Location on Cars with Floating Sills	E	
S-427	Angle Cock and Air Brake Hose Location on Cars with Excessive Overhang Preventing Compliance with AAR Standards S-424, S-425, and S-426	E	
S-428	Angle Cock Location on Cars Equipped with AAR Type F Coupler and Cushioned Underframe	E	
S-429	Angle Cock Locking Lugs—Minimum Permissible Engagement	E	
S-430	Brake Shoe, Metal, Reinforced	E	
S-431	Brake Shoe, High-Friction Composition Type—Limiting Contour	E	
S-432	Hose Support, S Hook	E	
S-436	Hose Coupling, Dummy	E	
S-437	Hose, Other than Armored Type—Mounting Procedure	E	
S-438	Hose, Armored Type—Mounting Procedure	E	
S-439	Hose Clamps	E	
S-440	End Hose Gaskets, Couplings, and Nipples—Annual Test Requirements	E	
S-441	Air Brake and Signal Hose—Mounting of Coupling and Nipple	E	
S-443	Brake Cylinder Release Valve and Release Rod	E	
S-444	Brake Cylinder Release Valve Rod Handles—Location	E	

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Standard	Subject	Section	Circulars?
S-445	Retaining Valve—Location	E	
S-446	Retaining Valve, 1967-Type, Three-Position	E	
S-447	Hose Coupling Gasket Gauge	E	
S-448	Brake Shoe Go Gauge	E	
S-449	Brake Shoe No-Go Gauge	E	
S-455	Hose Coupling Condemning Gauges for Checking the Beads and Shanks on New and Used Hose Couplings and Nipples	E	
S-456	Hose Coupling Gauges for Gauging New and Used Couplings	E	
S-457	Hose Coupling Tester, Air Brake, Type A-1-B—Modification to Permit Testing of Pinless-Type Couplings	E	
S-458	Hose Assemblies—Reclamation Procedures	E	
S-461	Single-Capacity Freight Brakes—Performance Specification	E	
S-462	Control Valve—Approval Procedure	E	
S-463	Test Rack, 150-Car, Freight Brake	E	
S-464	Test Rack, 150-Car—Performance Testing Procedure	E	
S-465	Test Rack, Single-Car	E	
S-466	Test Rack, Single-Car, for Individual Valve Portions—Performance Testing Procedure	E	
S-467	Control Valve, Freight Brake—Environmental Tests	E	
S-468	Control Valve Pipe Bracket	E	
S-469	Performance Specification for Freight Brakes	E	
S-470	Angle Cock, Ball Type—Specification for Approval	E	
S-471	Brake Pipe Restriction Test	E	
S-472	End Cock Location on Cars Arranged for Rotary Dump Service	E	
S-473	Brake Equipment—Application Form for AAR Approval of New and Untried Freight Cars	E	
S-475	Hand Brakes	E	
S-476	Angle Cocks and Brake Pipe End Cocks—Repair Specification	E	
S-477	Control Valve—Shop Certification Requirements for Approved Valves	E	
S-486	Code of Air Brake System Tests for Freight Equipment—Single Car Test	E	
S-488	End Cock and Air Brake Hose Location on Long Cars	E	
S-489	Dirt Collector and Cutout Cock, Combined—Repair Specification	E	
S-490	Vent Protector Performance and Approval	E	
S-491	Hose Coupling	E	
S-492	Field Service Reports—Requirements	E	
S-493	Dirt Collector and Cutout Cock—Test Specification	E	

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Standard	Subject	Section	Circulars?
S-494	Reservoir, Steel Fabricated, Combined Auxiliary and Emergency	E	
S-495	Angle Cock Location on Cars Arranged for Rotary Dump Service	E	
S-512	27-Point Control Plug and Receptacle	M	
S-580	Locomotive Crashworthiness Requirements	M	
S-590	Locomotive Electronics System Architecture	M	
S-591	Locomotive System Integration Operating Display	M	Update Available
S-601	Wheels—Manufacturing Facility Inspection By Technical Services	G	
S-611	Wheels—Measuring Wheel Circumference (Tape) Using Wheel Gauges S-612 and S-613	G	
S-612	Circumference Measure (Tape) for 27-in. to 38-in. Steel Wheels	G	
S-613	Circumference Measure (Tape) for 38-in. to 52-in. Steel Wheels	G	
S-614	Wheel Defect—Worn Journal Collar and Journal Fillet Gauge	G	
S-615	Wheel Defect—Worn Journal Collar and Journal Fillet Gauge	G	
S-616	Limit Wear Gauge for Condemning Wheel Defect—Worn Journal Collar and Journal Fillet Gauge	G	
S-617	Gauge, Wheel—Former Standard 1980	G	
S-618	Gauge, Wheel—Former Standard 1976	G	
S-627	Combined Wheel Gauge	G	
S-628	Combined Wheel Gauge	G	
S-629	Limit Wear Gauge for Condemning Wheel Defect—Worn Journal Collar and Journal Fillet Gauge	G	
S-630	Steel Wheel Gauge	G	Update Available
S-649	Axles—Manufacturing Facility Inspection By Technical Services	G	
S-657	Wheel, Passenger Car (Amfleet)	G	
S-658	Axle for Passenger Cars (Amfleet) Inboard Roller Bearing—Raised Wheel Seat	G	
S-659	Mandatory Rules Governing Wheel Shop Practices as Required by Interchange Rules	G-II	Update Available
S-660	Wheel Designs, Locomotive and Freight Car—Analytic Evaluation	G	
S-661	Gauge, Wheel—Maximum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Narrow-Flange Steel Wheel	G	
S-662	Gauge, Wheel—Minimum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Narrow-Flange Steel Wheel	G	
S-663	Gauge, Wheel—Reference Limit Gauge For Verifying AAR 1B Narrow Flange Wheel Gauge S-661	G	
S-664	Gauge, Wheel—Reference Limit Gauge For Verifying AAR 1B Narrow Flange Wheel Gauge S-662	G	

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Standard	Subject	Section	Circulars?
S-665	Gauge, Wheel—Maximum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Wide-Flange Steel Wheels	G	
S-666	Gauge, Wheel—Reference Limit Gauge For Verifying AAR 1B Wide Flange Wheel Gauge S-665	G	
S-667	Gauge, Wheel—Minimum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Wide-Flange Steel Wheels	G	
S-668	Gauge, Wheel—Reference Limit Gauge For Verifying AAR 1B Wide Flange Wheel Gauge S-667	G	
S-669	Analytic Evaluation of Locomotive Wheel Designs	G	
S-701	Locking Plate for Journal Roller Bearing Assemblies	H	
S-701A	Locking Plate for Journal Roller Bearing Assemblies	H	Update Available
S-702	Component Parts for Journal Roller Bearing Assemblies	H	
S-703	Cap Screws for Journal Roller Bearing Assemblies	H	
S-704	Adapter for Use with AAR Standard Pedestal-Type Side Frame	H	
S-705	Wear Gauge for Journal Roller Bearing Adapters	H	
S-706	Wear Gauge for Journal Roller Bearing Adapters	H	
S-720	Tabulation of Adapters and Frame Keys for AAR-Approved Roller Bearings	H	
S-721	Roller Bearing Manual—Mandatory Instructions and Practices	H-II	Update Available
S-722	Roller Bearing Manual—Rules Covering Requirements for Approval of Roller Bearing Shops to Recondition Roller Bearings for Interchange Service	H-II	
S-723	Roller Bearing Manual—Minimum Requirements for Roller Bearing Reconditioned Shops—Procedures—Tool Requirements Necessary to Make Roller Bearing Repairs for Interchange Use	H-II	Update Available
S-724	Roller Bearing Manual—Information on Amtrak Passenger Car Bearings	H-II	
S-725	Roller Bearing Manual—Manufacture of Interchangeable Roller Bearing Components	H-II	Update Available
S-726	Roller Bearing Manual—Remanufacture of Roller Bearing Components	H-II	
S-727	Roller Bearing Manual—Appendix A. Approved Materials	G-II	
S-729	Lubrication, Roller Bearing	H-III	
S-730	Lubrication, Center Plates	H-III	Update Available
S-731	Lubrication, Doors	H-III	
S-732	Inspection and Lubrication of Trailer Hitches on Flatcars	H-III	Update Available
S-733	Inspection and Lubricationof Bulkheads in Freight Cars	H-III	
S-734	Lubrication, Tie-Down Devices on Multi-Level Automobile rack and Flatcars	H-III	
S-736	Inspection and Lubrication, Hand Brakes	H-III	

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Standard	Subject	Section	Circulars?
S-810	Conducting Field Impact and Over-the-Road Tests of Multi-Level Tie-down Equipment and/or Methods	N	Update Available
S-815	Tie-Down Chain Assemblies for Multi-Level and Other Flat Cars, Refurbished High Test Grade 43 or Alloy Grade 80	N	
S-900	Flatcar—Class F	L	
S-901	Gondola Car—Class G	L	
S-902	Hopper Car—Class H	L	
S-903	Special Car—Class L	L	
S-904	Caboose—Class N	L	
S-905	Refrigerator Car—Class R	L	
S-907	Tank Car—Class T	L	
S-908	Boxcar—Class X	L	
S-909	Maintenance of Way Equipment—Class MW	L	
S-910	Lettering and Marking of Cars	L	Update Available
S-911	Cars Equipped with Loading Bars and Movable Bulkheads	L	
S-912	Clear Door Opening	L	
S-913	Clearance Plates	L	
S-914	Metrication Stenciling	L	
S-915	Loading Stencil—Refrigerator Car Floor	L	
S-920	AAR Component Identification (CID) Bar Code Standard	F	
S-2008	Card Holder—Bad Order	C	
S-2009	Push Rod, Brake Cylinder	E	
S-2025	Hopper Car—End for Door Operating Shaft	C	
S-2026	Plate B—Equipment Diagram for Unrestricted Interchange Service	C	
S-2027	Plate B-1—Maximum Width of Cars with Various Truck Centers	C	
S-2028	Plate C—Equipment Diagram for Limited Interchange Service	C	
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S-2031	Plate E—Equipment Diagram for Limited Interchange Service	C	
S-2032	Plate F—Equipment Diagram for Limited Interchange Service	C	
S-2034	Car Builder Certification	C	
S-2035	Side Handhold, Additional—Hopper and High-Side Gondola Cars	C	
S-2036	Temperature—for Car Structures and Components	C	
S-2037	Trough Hatch Cover	C	
S-2038	Rack Car, Multilevel, with or without Door or Roof, Enclosed—Safety Appliance Standards	C	

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S-2040	Plate H—Equipment Diagram for Limited Interchange Service	C	
S-2041	Plate H-1—Maximum Width of Cars with Various Truck Centers	C	
S-2042	Performance Specification for Sill Steps	C	
S-2043	Performance Specification for Trains Used to Carry High-Level Radioactive Material	C	
S-2044	Safety Appliance Requirements for Freight Cars	C	
S-2045	Remote Monitoring Equipment, Installation	C	
S-2046	Accelerated Fatigue Test Specification for Increased Life Status Applications	C	
S-2047	Plate J—Equipment Diagram for Limited Interchange Service	C	
S-2048	Plate K—Clearance Diagram for Limited Interchange Service	C	
S-2049	Anti-Pilferage Device—Boxcar Sliding Door	C	
S-2050	Anti-Pilferage Device—Boxcar Plug Door	C	
S-2051	Plate J1—Maximum Width of Cars with Various Truck Centers	C	
S-2052	Plate K1—Maximum Width of Cars with Various Truck Centers	C	
S-2053	Container Interface—Well Car, 53 ft	C	
S-2054	Clearance Diagram—Interface Between a Well Car and a Container Equipped with a Refrigerator/Heater Unit	C	
S-2055	Body Center Plate, Low Profile	C	
S-3001	Approval of AAR-Approved Brake Beam Safety Supports	E	
S-3003	Side Frame—Column Friction Wear Plate, Application	D	
S-3004	Truck Center Plate Liners or Wear Plates	D	
S-3005	Universal Brake Beam Gauge	E	
S-3006	Specification for Recertified “D” Series Helical Truck Springs	D	
S-3007	Specifications for the Certification of New Truck Designs for Compatibility with Hot Bearing Detection Systems	D	
S-3008	Performance of Devices or Designs to Control Yaw Dynamics in Freight Car Trucks	D	
S-3009	Specification for Self-Locking Cotter Keys	E	
S-3010	Side Frame, Standard Pedestal-Type with Side Frame Key—Limiting Dimensions	S-II	
S-3011	Side Frame, Standard Pedestal-Type Size 6 in. × 11 in. with Side Frame Key—Limiting Dimensions	S-II	
S-3012	Side Frame, Alternate Standard Pedestal-Type with Side Frame Key—Application of Roller Bearing Unit	S-II	
S-3013	Specifications Covering Surface of Truck Bolster Side Bearing Mounting Pad	D	
S-3014	Freight Car Truck Springs—with Snubber Spring	D	

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Standard	Subject	Section	Circulars?
S-3015	Freight Car Truck Springs—without Snubber Spring	D	
S-3016	Spring—Groups for Free, Unrestricted Interchange for 286,000 GRL Cars (M-976 and S-286 Approved Trucks)	D	
S-4000	Brake Pipe Reduction Devices, Freight Auxiliary—Environmental Tests	E	
S-4001	Rubber Products—Performance	E	
S-4002	Empty/Load Devices—Performance Testing	E	
S-4003	Train Line Arrangement for Cars with F-Shank Couplers	E	
S-4004	Brake Cylinder—Performance Testing	E	
S-4005	Brake Systems, Truck-Mounted—Performance Testing	E	
S-4006	Hose Supports—Performance Testing	E	
S-4007	Reservoir, Combined Auxiliary and Emergency—Reclamation Procedure	E	
S-4008	Slack Adjuster, Mechanical, Double-Acting, Automatic Compression	E	
S-4009	Compression Slack Adjusters and Piston Travel Adjustment—Inspection, Testing, Removal, and Application	E	
S-4010	Slack Adjusters, Groups E, J, and K—Inspection and Testing On Coal Cars	E	
S-4013	Train Line Hoses—Coupling Extension Adapter	E	
S-4020	Brake Cylinder Pressure Measurement Taps	E	
S-4021	Angle Cock and Brake Hose Location on Cars with EOCC	E	
S-4022	Pipe, Other than Schedule 80 Iron	E	
S-4023	Brake Shoe Limiting Contour, Low-Friction Composition Type	E	
S-4024	Brake Shoe Force Measurement Devices—Performance Specification	E	
S-4025	Brake Beam Wear Liners, Non-Metallic	E	
S-4026	Brake Rod Connector—Design Requirements	E	
S-4027	Automated Single-Car Test Procedure, Conventional Brake Equipment—Design and Performance Requirements	E	
S-4028	Train Line Arrangement with Displaceable Union on Cars with EOCC and Couplers Not Exceeding 45 in. in Length	E	
S-4029	Train Line Arrangement with Displaceable Union on Cars with EOCC and Couplers Exceeding 45 in. in Length	E	
S-4030	Trolley Arrangement on Cars with EOCC and E Shank Couplers	E	
S-4045	Passenger Equipment Maintenance Requirements (formerly S-045)	E	
S-4200	Electronically Controlled Pneumatic (ECP) Cable-Based Brake Systems—Performance Requirements	E-II	
S-4210	ECP Cable-Based Brake System Cable, Connectors, and Junction Boxes—Performance Specification	E-II	

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S-4230	Intratrain Communication Specification for Cable-Based Freight Train Control Systems	E-II	
S-4240	ECP Brake Equipment—Approval Procedure	E-II	
S-4250	Performance Requirements for ITC-Controlled Cable-Based Distributed Power Systems	E-II	
S-4260	ECP Brake and Wire Distributed Power Interoperability Test Procedures	E-II	
S-4270	ECP BRake System Configuration Management	E-II	
S-4286	Single-Car Test for Testing Electronically Controlled Pneumatic Braking Systems—Design and Performance Requirements	E-II	
S-5018	Dynamic Braking Control	M	
S-5019	Locomotive Definitions	M	Update Available
S-5101	Locomotive Cab Window Glazing Material	M	
S-5500	Locomotive Interchange Agreement	M	
S-5502	Automatic Engine Start/Stop System	M	Update Available
S-5506	Performance Requirements for Diesel Electric Locomotive Fuel Tanks	M	
S-5507	Remote Control Locomotives	M	
S-5509	Locomotive Dynamic Brake Status Reporting	M	Update Available
S-5510	Plate L—Locomotive Diagram for Interchange Service	M	
S-5512	Locomotive Event Recorder Download Standard	M	Update Available
S-5513	Locomotive Alerter Requirements	M	
S-5514	Locomotive Operator Control Symbols	M	Update Available
S-5515	LED Lighting for Locomotives	M	Update Available
S-5520	Locomotive Cab Securement	M	Update Available
S-5529	Multiple Unit Pneumatic Brake Equipment for Locomotives	M	Update Available
S-5597	Air Flow Indicators	M	
S-5598	Calibration Procedure for AFM Type Air Flow Indicators	M	
S-6000	Acoustic Roller Bearing Detector Level-1 Indications	F	
S-6001	Bearing Temperature Performance	F	
S-6002	Data Summary Definitions	F	
S-6003	Data Summary—Truck Hunting	F	Update Available
S-6004	Data Summary—TADS®	F	Update Available
S-6005	Data Summary—RailBAM®	F	Update Available
S-6100	Wayside Detector Data Processing	F	Update Available
S-9001	ITC System Reference Architecture	K-I	
S-9002	Railroad Electronics Standards Configuration Management	K-I	

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Standard	Subject	Section	Circulars?
S-9053	Positive Train Control ITC System Requirements–Level 0	K-I	Update Available
S-9054	Positive Train Control ITC System Requirements–Level 1	K-I	Update Available
S-9055	Positive Train Control ITC Communications Segment Requirements—Level 1	K-I	
S-9056	Positive Train Control ITC Wayside System Requirements—Level 1	K-I	
S-9057	Positive Train Control ITC Systems Management Requirements—Level 1	K-I	
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S-9152	End-of-Train Communications	K-II	
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S-9203A	AEI Site-to-Host Consist Report Format	K-III	
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S-9362	Interoperable Train Control (ITC) Wayside-Locomotive Interface Control Document (ICD)	K-IV	
S-9363	ITC Time and Location—Interface Control Document (ICD)	K-IV	
S-9364	I-ETMS® Onboard Segment Data Distribution Messages Interface Control Document (ICD)	K-IV	
S-9365	Locomotive Interface Gateway (LIG) to Positive Train Control (PTC) Interface Control Document (ICD)	K-IV	
S-9401	Railroad Electronics Environmental Requirements	K-V	
S-9451	ITCSM Common Systems Management Requirements	K-V	
S-9451A	ITCSM WIU Asset-Specific Requirements for Interoperable Train Control	K-V	

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Standard	Subject	Section	Circulars?
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S-6000	Acoustic Roller Bearing Detector Level-1 Indications	F	
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RP-508	Air Brake Exhaust Piping	M	
S-402	Air Brake Pipe and Fittings for Railroad Cars—Welding Procedure	E	
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S-429	Angle Cock Locking Lugs—Minimum Permissible Engagement	E	
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Standard	Subject	Section	Circulars?
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RP-323	Application of Snap-On Pedestal Roof Liners for AAR Pedestal-Type Side Frames	D	Update Available
S-379	Application Tolerances for Hanger-Type Brake Beams	E	
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RP-5523	Axle Nomenclature Arrangement—Locomotives	M	
RP-622	Axle, Weight—Machined Finish, Raised Wheel Seat	G	
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M-101	Axles, Carbon Steel, Heat-Treated	G	Update Available
M-985	Bad Order Device for Identification of Defective Hitches	I	
S-374	Badge Plate for Showing Proper Dimensions for Body and Truck Brake Levers	E	
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RP-901	Boxcars Equipped with Removable Crossbars	L	
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S-353	Brake Beam Gauge Details—Hangerless Type	E	
S-348	Brake Beam Gauges for Standard Brake Beams	E	
S-368	Brake Beam Hangers and Attachments	E	
S-369	Brake Beam Hangers and Attachments	E	
S-344	Brake Beam Specifications and Tests	E	
RP-322	Brake Beam Strut Keyway Gauge	E	
S-4025	Brake Beam Wear Liners, Non-Metallic	E	
S-346	Brake Beam—Outline, Hanger Type	E	
S-349	Brake Beam—Outline, Hangerless Type	E	
S-345	Brake Beam—Tolerance, Hangerless Type	E	
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M-914	Brake Cylinder Lubricant	E	
S-4020	Brake Cylinder Pressure Measurement Taps	E	
S-443	Brake Cylinder Release Valve and Release Rod	E	
S-444	Brake Cylinder Release Valve Rod Handles—Location	E	
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S-401	Brake Design Requirements	E	
S-473	Brake Equipment—Application Form for AAR Approval of New and Untried Freight Cars	E	
S-400	Brake Equipment—Installation Specifications	E	
S-372	Brake Head Conversion—Metal Shoe-Type to High-Friction Composition	E	
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S-4026	Brake Rod Connector—Design Requirements	E	
S-4024	Brake Shoe Force Measurement Devices—Performance Specification	E	
S-448	Brake Shoe Go Gauge	E	
S-376	Brake Shoe Keys	E	
S-4023	Brake Shoe Limiting Contour, Low-Friction Composition Type	E	

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S-431	Brake Shoe, High-Friction Composition Type—Limiting Contour	E	
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RP-899	Car Owner's Manual for the Inspection and Maintenance of Double-Stack Container Cars	I	Update Available
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RP-902	Cars Equipped with Antipilferage Devices	L	
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S-308	Center Plate Liner—Vertical, 6 1/2 in. × 12 in.	D	Update Available
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S-912	Clear Door Opening	L	
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S-913	Clearance Plates	L	
S-9553C	Cluster Controller	K-VI	
S-486	Code of Air Brake System Tests for Freight Equipment—Single Car Test	E	
RP-512	Color Code for Identifying Fluids on Locomotive	M	
S-255	Combined Striker and Front Draft Lug Tolerances	C	
S-627	Combined Wheel Gauge	G	
S-628	Combined Wheel Gauge	G	
S-9153	Common Air Interface (CAI-12) Communications FOR Remote Control Locomotive Systems (RCL) Operating AT 220 Mhz	K-II	
S-9553	Communications System Architecture	K-VI	
S-702	Component Parts for Journal Roller Bearing Assemblies	H	
S-4009	Compression Slack Adjusters and Piston Travel Adjustment—Inspection, Testing, Removal, and Application	E	
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S-810	Conducting Field Impact and Over-the-Road Tests of Multi-Level Tie-down Equipment and/or Methods	N	Update Available
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M-930	Containers for Domestic Intermodal Service	I	Update Available
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S-462	Control Valve—Approval Procedure	E	
S-477	Control Valve—Shop Certification Requirements for Approved Valves	E	
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S-173	Coupler, E Type, Guard Arm Lightener Hole Openings and Knuckle Flag Hole—Standard Dimensions	S-III	
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S-102	Coupler, E Type, Standard and Alternate Standard, E60DE and E60EE	S-III	
S-107	Coupler, E Type, Standard and Alternate Standard, E67CE and E67DE	S-III	
S-103	Coupler, E Type, Top and Bottom Shelf, Standard and Alternate Standard, SE60DE and SE60EE	S-III	
S-165	Coupler, E/F Type, SBE68CE and SBE68DE, Bottom Shelf	S-III	
S-170	Coupler, E/F Type, SBE69BE and SBE69CE, Bottom Shelf	S-III	
S-172	Coupler, E/F Type, SE69BE and SE69CE, Top and Bottom Shelf	S-III	
S-108	Coupler, E/F Type, Standard and Alternate Standard, E68CE and E68DE	S-III	
S-109	Coupler, E/F Type, Standard and Alternate Standard, E69BE and E69CE	S-III	
S-174	Coupler, F Type, Guard Arm Lightener Hole Openings and Knuckle Flag Hole—Standard Dimensions	S-III	
S-116	Coupler, F Type, Interlocking, Coupler and Yoke Parts	S-III	
S-110	Coupler, F Type, Standard F Coupler, F70DE	S-III	
S-112	Coupler, F Type, Standard, F73BE	S-III	
S-114	Coupler, F Type, Standard, F79DE	S-III	
S-111	Coupler, F Type, with Top Shelf, Standard, SF70DE	S-III	
S-115	Coupler, F Type, with Top Shelf, Standard, SF79DE	S-III	
S-203	Coupler, Height Adjustment	C	
M-211	Couplers and Yokes, AAR Approved—Purchase and Acceptance	S	Update Available
M-212	Couplers and Yokes, Secondhand—Classification and Reconditioning Procedure	S	Update Available
S-129	Couplers—Arrangement of Operating Mechanisms	S-III	
M-215	Coupling Systems	S	Update Available

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Standard	Subject	Section	Circulars?
RP-5115	Cushion Pad—Locomotive Cab Door Frame	M	
RP-110	Cushioning Device Inspection	B	
M-921E	Cushioning Devices, Active Draft End	B	
M-921F	Cushioning Devices, Active Draft End of Car	B	
M-921B	Cushioning Devices, End-of-Car	B	
M-921D	Cushioning Devices, End-of-Car—Motor-Vehicle-Carrying	B	
M-921C	Cushioning Devices, Reconditioned—Approved for Freight Service	B	Update Available
M-921A	Cushioning Devices, Sliding Sill	B	
S-181	Cushioning Pocket Identification Guide—AAR Rule 59	B	
M-921-H	Cushioning Units, Standard Preload EOC Unit Condition Indicator	B	
S-6002	Data Summary Definitions	F	
S-6005	Data Summary—RailBAM®	F	Update Available
S-6004	Data Summary—TADS®	F	Update Available
S-6003	Data Summary—Truck Hunting	F	Update Available
RP-206	Decking, Wood—for Open Top Cars	C	
RP-207	Defect Card Receptacle	C	
S-046	Definitions of Terms for the AAR *Manual of Standards and Recommended Practices*	AS	
RP-308	Design Dimensions for Brake Hanger Bracket	E	
M-1001	Design, Fabrication, and Construction of Freight Cars	C-II	Update Available
M-992	Designated Satellite Shop Repair Specifications for Multi-Level Autorack Cars	N	
RP-514	Designation of Sides and Ends of Locomotives	M	
RP-817	Destination Inspections	N	
RP-5132	Diesel Locomotive Control Stand for New Locomotives	M	
S-493	Dirt Collector and Cutout Cock—Test Specification	E	
S-489	Dirt Collector and Cutout Cock, Combined—Repair Specification	E	
S-393	Dofasco—Designs	S-II	
S-393	Dofasco—Designs (by National Castings, now ABC-NACO Technologies)	S-II	
S-252	Door Air Lines—Location of End Cocks	C	
RP-5117	Door Closure Bar—Locomotive Cab	M	
S-249	Door Puller Bracket, Application to Intermediate Post	C	
S-229	DOT Placard Location	C	
RP-851	Double-Stack Container Cars	I	
S-243	Draft Arrangement, E68 Coupler, 24 5/8-in. Pocket	C	

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Standard	Subject	Section	Circulars?
S-244	Draft Arrangement, E69 Coupler, 24 5/8-in. Pocket	C	
S-245	Draft Arrangement, F70 Coupler, 24 5/8-in. Pocket—Striker Applied by Welding	C	
S-247	Draft Arrangement, F79 Coupler, 24 5/8-in. Pocket	C	
S-119	Draft Gear Follower, Y44A	B	
RP-101	Draft Gear Inspection	B	
M-901F	Draft Gear Reaction Forces, Measuring and Recording, Instrumentation Requirements	B	
M-901K	Draft Gear, All-Hydraulic, Rated by Impact Testing	B	
M-901G	Draft Gear, Rated by Impact Testing	B	
M-901B	Draft Gear, Secondhand and Reconditioned	B	Update Available
M-901E	Draft Gears with a Minimum Capacity of 36,000 ft·lb at a Reaction of 500,000 lb	B	
S-121	Draft Key	B	
S-122	Draft Key Retainer	B	
S-120	Draft Key Retainers, Locks, Keepers, and Washer	B	
S-254	Draft Pocket Tolerances	C	
S-393	Dresser Transportation Equipment Division—Designs	S-II	
S-5018	Dynamic Braking Control	M	
S-4260	ECP Brake and Wire Distributed Power Interoperability Test Procedures	E-II	
S-4240	ECP Brake Equipment—Approval Procedure	E-II	
S-4270	ECP BRake System Configuration Management	E-II	
S-4220	ECP Cable-Based Brake DC Power Supply—Performance Specification	E-II	
S-4210	ECP Cable-Based Brake System Cable, Connectors, and Junction Boxes—Performance Specification	E-II	
S-9354	Edge Message Protocol	K-IV	
M-967	Electrochemical Metal Deposition for Repairing Roller Bearing Axle Journals	G	
RP-940	Electronic Distribution Format For Engineering Drawings	C	
S-4200	Electronically Controlled Pneumatic (ECP) Cable-Based Brake Systems—Performance Requirements	E-II	
S-4002	Empty/Load Devices—Performance Testing	E	
S-488	End Cock and Air Brake Hose Location on Long Cars	E	
S-472	End Cock Location on Cars Arranged for Rotary Dump Service	E	
M-941	End Enclosure for Fully Enclosed Multi-Level Auto Rack Cars	N	
S-440	End Hose Gaskets, Couplings, and Nipples—Annual Test Requirements	E	
S-9152	End-of-Train Communications	K-II	

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Standard	Subject	Section	Circulars?
M-921-G	Facility Inspection Requirements for Manufacturers of New and Reconditioned Cushioning Devices for Freight Service	B	
S-101	Field Service Experience—Reporting Requirements	B	
S-492	Field Service Reports—Requirements	E	
S-010	Field Test Requirements for Materials, Devices, and Products Manufactured to AAR Specifications but Having No Previous Service Experience on AAR Member Roads	AS	
RP-633	Figures	G-II	Update Available
M-908	Flat Steel Floor for Freight Cars 50,000, 60,000, 70,000 or 80,000 lb Capacities	C	
S-900	Flatcar—Class F	L	
RP-5120	Flexible Hinge Guard on Locomotive Cab Door	M	
M-964	Floor, Nailable Steel—Freight Cars	C	
M-127	Forgings, Alloy Steel	S	
M-126	Forgings, Carbon Steel	S	
M-105	Forgings, Carbon Steel Blooms, Billets, and Slabs	S	
RP-830	Form Preparation for Vehicle Inspection	N	
S-286	Free/Unrestricted Interchange for 286,000 lb Gross Rail Load Cars	C	
S-3014	Freight Car Truck Springs—with Snubber Spring	D	
S-3015	Freight Car Truck Springs—without Snubber Spring	D	
S-9553B	Front End Processor	K-VI	
RP-503	Fuel Additive Evaluation Procedure	M	
S-393	Fundiciones de Hierro y Acero, S.A.—Designs (ceased production in 1992)	S-II	
M-602	Gaskets, Air Hose	E	
RP-613	Gauge, Axle—Master Gauge For Verifying Axle Journal and Fillet Gauge S-614	G	
RP-637	Gauge, Wheel—Application Drawing For AAR 1B Wheel Gauges S-661 and S-665	G	
RP-636	Gauge, Wheel—Application Drawing For AAR 1B Wheel Gauges S-662 and S-667	G	
RP-638	Gauge, Wheel—Application Drawing For Reference Gauge To Verify Wheel Gauges S-661, S-662, S-663, S-664, S-665, S-666, S-667, and S-668	G	
RP-630	Gauge, Wheel—Application for Measuring Condemnable Overheated Wheels	G	
RP-629	Gauge, Wheel—for Measuring Condemnable Overheated Wheels	G	
S-618	Gauge, Wheel—Former Standard 1976	G	
S-617	Gauge, Wheel—Former Standard 1980	G	

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Standard	Subject	Section	Circulars?
RP-614	Gauge, Wheel—Master Gauge For Verifying Wheel Gauges S-617 and S-618	G	
S-661	Gauge, Wheel—Maximum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Narrow-Flange Steel Wheel	G	
S-665	Gauge, Wheel—Maximum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Wide-Flange Steel Wheels	G	
S-662	Gauge, Wheel—Minimum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Narrow-Flange Steel Wheel	G	
S-667	Gauge, Wheel—Minimum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Wide-Flange Steel Wheels	G	
S-663	Gauge, Wheel—Reference Limit Gauge For Verifying AAR 1B Narrow Flange Wheel Gauge S-661	G	
S-664	Gauge, Wheel—Reference Limit Gauge For Verifying AAR 1B Narrow Flange Wheel Gauge S-662	G	
S-666	Gauge, Wheel—Reference Limit Gauge For Verifying AAR 1B Wide Flange Wheel Gauge S-665	G	
S-668	Gauge, Wheel—Reference Limit Gauge For Verifying AAR 1B Wide Flange Wheel Gauge S-667	G	
RP-608	Gauge, Wheel—Reference Master Disk For Verifying Wheel Circumference Gauges S-612 and S-613	G	
RP-615	Gauge, Wheel—Simplified	G	
S-360	Gauges for End of Hangerless-Type Brake Beam	E	
RP-634	Gauges—Wheel and Axle Shop	G-II	Update Available
RP-632	General Requirements and Information	G-II	Update Available
S-359	Go and No-Go Gauge for Brake Head for Limiting Contour of Face, Metal or High-Friction Shoe	E	
S-358	Go Gauge for Brake Head, Metal or High-Friction Shoe	E	
S-361	Go Gauges for Brake Shoe	E	
S-901	Gondola Car—Class G	L	
RP-904	Gondola Cars with Wood Floors	L	
S-233	Gravity Outlet Gates, New—for Covered Hopper Cars	C	
M-929	Grease for Lubrication of Trailer Hitches on Flatcars	I	
S-475	Hand Brakes	E	
S-224	Handholds, Safety Railings, and Ladder Treads	C	
RP-812	Handling and Inspection of Multi-Level Cars and Equipment After Loading	N	
RP-810	Handling and Inspection of Vehicles Before Loading	N	
RP-818	Handling of Multi-Level Cars and Equipment Afier Unloading	N	
RP-813	Handling of Multi-Level Cars in Trains and Yards	N	
S-380	Hangerless Brake Beam Extension Functional Gauge (Parallelism)	E	

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Standard	Subject	Section	Circulars?
M-114	Helical Springs, Heat-Treated Steel	D	
M-928	Highway Trailer Hitches for Freight Cars	I	
M-928A	Highway Trailer Hitches for Freight Cars with 90,000-lb Maximum Gross vehicle Weight Capacity	I	
RP-233	Hold-Down Clips—Gondolas, Side Sheet Mounted	C	
RP-234	Hold-Down Clips—Gondolas, Top Cord Mounted	C	
RP-5599	Hook and Eye Brake Rigging—Lever Angularity Inspection	E	
S-902	Hopper Car—Class H	L	
S-2025	Hopper Car—End for Door Operating Shaft	C	
RP-258	Hopper Car—Grain Service	C	
M-800	Hopper Car, Covered—For Transport of Oxidizing Commodities	C	
M-801	Hopper Car, Covered—Pressurized During Unloading and In-Transit	C	
RP-200	Hopper Car, Open Top, in Shaker Service—Design Features	C	
S-458	Hose Assemblies—Reclamation Procedures	E	
M-923	Hose Cement	E	
S-439	Hose Clamps	E	
S-491	Hose Coupling	E	
S-455	Hose Coupling Condemning Gauges for Checking the Beads and Shanks on New and Used Hose Couplings and Nipples	E	
S-447	Hose Coupling Gasket Gauge	E	
S-456	Hose Coupling Gauges for Gauging New and Used Couplings	E	
S-457	Hose Coupling Tester, Air Brake, Type A-1-B—Modification to Permit Testing of Pinless-Type Couplings	E	
S-436	Hose Coupling, Dummy	E	
M-927	Hose Fittings and Hose Assemblies, Air, Wire-Reinforced	E	
S-432	Hose Support, S Hook	E	
S-4006	Hose Supports—Performance Testing	E	
M-620	Hose, Air, Fabric-Reinforced	E	
M-618	Hose, Air, Wire-Reinforced	E	
S-438	Hose, Armored Type—Mounting Procedure	E	
S-437	Hose, Other than Armored Type—Mounting Procedure	E	
M-601	Hose, Wrapped, Air—Brake, “End Hose”	E	
S-9070	I-ETMS Human Machine Interface Standard	K-I	
S-9364	I-ETMS® Onboard Segment Data Distribution Messages Interface Control Document (ICD)	K-IV	
S-217	Identification Plate—Boxcar Doors	C	
S-158	Immobilization of Freightmaster	B	
S-161	Immobilization of Freightmaster 10-in. Type E Miner M-12S	B	

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Standard	Subject	Section	Circulars?
S-157	Immobilization of Freightmaster Types F, FS, and B	B	
S-159	Immobilization of Freightmaster Types HD and AR-F	B	
S-156	Immobilization of Freightmaster Types SP-E and SP-C	B	
S-162	Immobilization of Keystone F Shank	B	
S-160	Immobilization of Keystone Type E Miner SR-12	B	
S-171	Immobilization of Pullman Standard, ACF, or Keystone Center-of-Car Cushioning Devices (“Dummy Cylinder Method”)	B	
S-125	Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective ACF Freight Saver 20- or 30-in. Travel Units—Plate No. 526-1	B	
S-127	Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective Hydra Cushion 10-, 12-, or 20-in. Travel Units or Evans Cushion Pak Wide Tunnel Units—Plate No. 526-3	B	
S-128	Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective Hydra Pullman Standard Hydroframe 40 and 60 Units or National 3C Wide Tunnel Units—Plate No. 526-4	B	
S-126	Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective Keystone 20-in. Travel Unit, Santa Fe Shock Control, A.O. Smith Cushion Ride, and Rockwell Cargo Cushion—Plate No. 526-2	B	
RP-021	Implementation of Equipment Identification and Warranty Administration	L	Update Available
S-732	Inspection and Lubrication of Trailer Hitches on Flatcars	H-III	Update Available
S-736	Inspection and Lubrication, Hand Brakes	H-III	
S-733	Inspection and Lubricationof Bulkheads in Freight Cars	H-III	
RP-814	Inspection of Multi-Levels and Vehicles En Route	N	
RP-609	Inspection Stand for Use with Master Disks	G	
S-9202A	Integrated Wayside Messaging Server Hardware Requirements	K-III	
M-998	Intermodal Container Support and Interbox Connector (IBC) Securement Systems for Freight Cars	I	
M-952	Intermodal Container Support and Securement System for Freight Cars	I	
RP-852	Intermodal Equipment Cars	I	
S-9503	Interoperable Electronic Train Management System® (I-ETMS) Subdivision File	K-VI	
RP-9511	Interoperable Train Control (ITC) Onboard Track Database Field Survey and Validation, Recommended Practice	K-VI	
S-9362	Interoperable Train Control (ITC) Wayside-Locomotive Interface Control Document (ICD)	K-IV	

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Standard	Subject	Section	Circulars?
S-9202	Interoperable Train Control Wayside Interface Unit Requirements	K-III	
M-9154A	Intra-Consist Communications (ICC) Routing Functionality	K-II	
S-4230	Intratrain Communication Specification for Cable-Based Freight Train Control Systems	E-II	
S-9454	ITC System Management (ITCSM) Back Office Requirements for Interoperable Train Control	K-V	
S-9001	ITC System Reference Architecture	K-I	
S-9363	ITC Time and Location—Interface Control Document (ICD)	K-IV	
M-9453	ITCSM Asset User Interface Requirements for Interoperable Train Control	K-V	
S-9452	ITCSM Common Data Dictionary for Interoperable Train Control	K-V	
S-9451	ITCSM Common Systems Management Requirements	K-V	
S-9452A	ITCSM WIU Asset-Specific Data Dictionary for Interoperable Train Control	K-V	
S-9451A	ITCSM WIU Asset-Specific Requirements for Interoperable Train Control	K-V	
M-924	Journal Roller Bearing Adapters for Freight Cars	H	Update Available
M-942	Journal Roller Bearing Grease	H	Update Available
M-216	Knuckles, Types E and F—Fatigue Test	S	
RP-232	Ladder, End and Side—Configuration	C	
S-230	Lading Strap Anchor Arrangement and Use—for Flatcars	C	
RP-903	Lading Strap Anchors	L	
RP-590	Lead-Acid Batteries and Compartments	M	
S-5515	LED Lighting for Locomotives	M	Update Available
S-910	Lettering and Marking of Cars	L	Update Available
S-234	Lifting Freight Cars	C	
S-616	Limit Wear Gauge for Condemning Wheel Defect—Worn Journal Collar and Journal Fillet Gauge	G	
S-629	Limit Wear Gauge for Condemning Wheel Defect—Worn Journal Collar and Journal Fillet Gauge	G	
S-370	Limiting Contour of Face of Brake Heads for Hanger-Type Brake Beams	E	
S-371	Limiting Contour of Face of Brake Heads for Hangerless-Type Brake Beams	E	
RP-811	Loading of Vehicles	N	
S-915	Loading Stencil—Refrigerator Car Floor	L	
S-373	Location of Peep Hole on Cars Having Deep Side Sills for Checking Brake Cylinder Piston Travel	D	
S-701	Locking Plate for Journal Roller Bearing Assemblies	H	

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Standard	Subject	Section	Circulars?
S-701A	Locking Plate for Journal Roller Bearing Assemblies	H	Update Available
S-5513	Locomotive Alerter Requirements	M	
RP-5104	Locomotive Cab Seats	M	
S-5520	Locomotive Cab Securement	M	Update Available
S-5101	Locomotive Cab Window Glazing Material	M	
M-9155	Locomotive Command and Control Module (LCCM)—Functional Requirements	K-II	
S-580	Locomotive Crashworthiness Requirements	M	
S-9101B	Locomotive Data Acquisition and Recording System Architecture	K-II	
S-5019	Locomotive Definitions	M	Update Available
S-5509	Locomotive Dynamic Brake Status Reporting	M	Update Available
S-590	Locomotive Electronics System Architecture	M	
S-9101	Locomotive Electronics System Architecture	K-II	
S-5512	Locomotive Event Recorder Download Standard	M	Update Available
RP-5503	Locomotive Fueling Interface	M	
RP-5122	Locomotive Horn Valve Handle with Soft, Resilient-Type Rubber Cover	M	
S-5500	Locomotive Interchange Agreement	M	
S-9365	Locomotive Interface Gateway (LIG) to Positive Train Control (PTC) Interface Control Document (ICD)	K-IV	
S-5514	Locomotive Operator Control Symbols	M	Update Available
RP-548	Locomotive Rating Train/Track Resistance	M	
S-9101E	Locomotive System Integration Communications	K-II	
S-591	Locomotive System Integration Operating Display	M	Update Available
M-959	Lubrication Seals for Freight Car Journal Roller Bearings	H	
S-730	Lubrication, Center Plates	H-III	Update Available
S-731	Lubrication, Doors	H-III	
S-729	Lubrication, Roller Bearing	H-III	
S-734	Lubrication, Tie-Down Devices on Multi-Level Automobile rack and Flatcars	H-III	
RP-5595	Main Reservoir Equalizing End Hose Coupling	M	
S-909	Maintenance of Way Equipment—Class MW	L	
RP-263	Maintenance Program Development	C-III	Update Available
S-659	Mandatory Rules Governing Wheel Shop Practices as Required by Interchange Rules	G-II	Update Available
S-312	Marking Diagram, Truck Bolster	S-II	
S-314	Marking Diagram, Truck Side Frame	S-II	
RP-804	Measurement Requirements for Remote Ride Quality Monitoring	N	

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Standard	Subject	Section	Circulars?
M-993	Mechanical Certification of Flatcars for Autorack Service	N	
S-914	Metrication Stenciling	L	
RP-546	Minimum Requirements for Main Reservoir System on New and Rebuilt Diesel-Electric, Electric, and Gas Turbine Locomotives of 800-hp Capacity and Greater	M	
S-9553A	Mobile Communications Package	K-VI	
RP-612	Mounting Pressures for Wrought and Cast Steel Wheels on Gear-Driven and Idler Axles of Locomotives Other than Steam	G	
S-5529	Multiple Unit Pneumatic Brake Equipment for Locomotives	M	Update Available
S-362	No-Go Gauge for Brake Shoe	E	
M-971	Non-Grease Lubricant for Autorack Equipment	N	
S-393	Ohio Steel Foundry—Designs	S-II	
M-912	Oil, Control Valve	E	
S-132	Operating Mechanism, Type No. 6, Interlocking	S-III	
RP-5124	Padded Sun Visor in Locomotive Cab—Engineer's Side Only	M	
RP-900	Passenger Car	L	
S-4045	Passenger Equipment Maintenance Requirements (formerly S-045)	E	
S-392	Pennsy Corporation—Drawings	S-II	
S-3008	Performance of Devices or Designs to Control Yaw Dynamics in Freight Car Trucks	D	
S-5506	Performance Requirements for Diesel Electric Locomotive Fuel Tanks	M	
S-4250	Performance Requirements for ITC-Controlled Cable-Based Distributed Power Systems	E-II	
RP-905	Performance Requirements for Refrigerated Boxcar Fuel Tanks	C	
S-469	Performance Specification for Freight Brakes	E	
S-2042	Performance Specification for Sill Steps	C	
S-2043	Performance Specification for Trains Used to Carry High-Level Radioactive Material	C	
M-118	Pin, Coupler Knuckle Pivot and Coupler Shank Connecting, Steel	B	
S-4022	Pipe, Other than Schedule 80 Iron	E	
S-393	Pittron—Designs	S-II	
S-2027	Plate B-1—Maximum Width of Cars with Various Truck Centers	C	
S-2026	Plate B—Equipment Diagram for Unrestricted Interchange Service	C	
S-2029	Plate C-1—Maximum Width of Cars with Various Truck Centers	C	
S-2028	Plate C—Equipment Diagram for Limited Interchange Service	C	

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Standard	Subject	Section	Circulars?
S-2030	Plate D—Obtaining Maximum Allowable Width of Car, Other Than at Centerline of Car, for Unrestricted (Plate B-1) and Limited (Plates C-1, H-1, J-1, and K-1) Interchange Service	C	
S-2031	Plate E—Equipment Diagram for Limited Interchange Service	C	
S-2032	Plate F—Equipment Diagram for Limited Interchange Service	C	
S-2041	Plate H-1—Maximum Width of Cars with Various Truck Centers	C	
S-2040	Plate H—Equipment Diagram for Limited Interchange Service	C	
S-2047	Plate J—Equipment Diagram for Limited Interchange Service	C	
S-2051	Plate J1—Maximum Width of Cars with Various Truck Centers	C	
S-2048	Plate K—Clearance Diagram for Limited Interchange Service	C	
S-2052	Plate K1—Maximum Width of Cars with Various Truck Centers	C	
S-5510	Plate L—Locomotive Diagram for Interchange Service	M	
S-184	Pocket Tolerances—EOC-10	B	
S-182	Pocket Tolerances—EOC-8	B	
S-183	Pocket Tolerances—EOC-9	B	
M-951	Portable Bridge Plates for Multi-Level Autorack Cars	N	
RP-9457	Positive Train Control Interoperable Electronic Train Management System (I-ETMS) Master Test Strategy (MTS)	K-V	
S-9055	Positive Train Control ITC Communications Segment Requirements—Level 1	K-I	
S-9053	Positive Train Control ITC System Requirements–Level 0	K-I	Update Available
S-9054	Positive Train Control ITC System Requirements–Level 1	K-I	Update Available
S-9057	Positive Train Control ITC Systems Management Requirements—Level 1	K-I	
S-9056	Positive Train Control ITC Wayside System Requirements—Level 1	K-I	
S-9361	Positive Train Control Office-Locomotive Segment—Interface Control Document (ICD)	K-IV	
S-050	Procedures for Considering Proposals Regarding Revisions to the Manual of Standards and Recommended Practices	AS	
S-9501	PTC Data Model Definition	K-VI	
S-2009	Push Rod, Brake Cylinder	E	
S-2038	Rack Car, Multilevel, with or without Door or Roof, Enclosed—Safety Appliance Standards	C	
S-259	Rail Car, 286,000-lb Gross Weight	C	
S-9552	Railroad Communications Network	K-VI	
S-9401	Railroad Electronics Environmental Requirements	K-V	
S-9002	Railroad Electronics Standards Configuration Management	K-I	
RP-815	Railroad Police Protection	N	

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Standard	Subject	Section	Circulars?
S-9555	Railroad Use of IEEE 802.11	K-VI	
RP-589	Rating for Specific Fuel Consumption of Diesel Electric Locomotives	M	
RP-5126	Recessed Windshield Wiper Valve, Train-Order Light Switch, and Flush-Mounted Train-Order Light	M	
RP-631	Recommended Wheel Shop Practices	G-II	Update Available
M-300	Reconditioned Brake Beams	E	
RP-619	Reference Groove for Multiple-Wear Diesel Wheels	G	
S-905	Refrigerator Car—Class R	L	
M-962	Remanufacture of TOFC Trailers	I	
S-5507	Remote Control Locomotives	M	
S-2045	Remote Monitoring Equipment, Installation	C	
M-956	Requirements Governing Superstructures to Cars Equipped With Sliding Sill or End-of-Car Cushioning Devices	N	
S-4007	Reservoir, Combined Auxiliary and Emergency—Reclamation Procedure	E	
S-494	Reservoir, Steel Fabricated, Combined Auxiliary and Emergency	E	
M-119	Retaining Pin and Keeper for F-Type Cushion Yoke	B	
S-445	Retaining Valve—Location	E	
S-446	Retaining Valve, 1967-Type, Three-Position	E	
RP-803	Ride Quality Performance Requirements for Motor Vehicle Shipments	N	
S-727	Roller Bearing Manual—Appendix A. Approved Materials	G-II	
S-724	Roller Bearing Manual—Information on Amtrak Passenger Car Bearings	H-II	
S-721	Roller Bearing Manual—Mandatory Instructions and Practices	H-II	Update Available
S-725	Roller Bearing Manual—Manufacture of Interchangeable Roller Bearing Components	H-II	Update Available
S-723	Roller Bearing Manual—Minimum Requirements for Roller Bearing Reconditioned Shops—Procedures—Tool Requirements Necessary to Make Roller Bearing Repairs for Interchange Use	H-II	Update Available
S-726	Roller Bearing Manual—Remanufacture of Roller Bearing Components	H-II	
S-722	Roller Bearing Manual—Rules Covering Requirements for Approval of Roller Bearing Shops to Recondition Roller Bearings for Interchange Service	H-II	
RP-5127	Rounded Cab Window Latch in Locomotive Cabs	M	
RP-5128	Rounding All Possible Exposed Convex Edges and Corners	M	
S-4001	Rubber Products—Performance	E	
S-226	Running Boards, Walkways, Brake Steps, and End Platforms	C	

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Standard	Subject	Section	Circulars?
S-2044	Safety Appliance Requirements for Freight Cars	C	
S-219	Safety Appliances for Bulkhead Flatcars, Including Pulpwood Cars	C	
S-220	Safety Appliances for Special Service High-Side Gondolas with Fixed Ends	C	
S-215	Safety Hangers and Retainers—for Freight Car Doors	C	
S-393	Scullin Steel Company—Designs	S-II	
S-394	Side Bearing Pad for Two-Hole Application	D	
S-235	Side Bearing Wear Plate—Car Body	C	
S-213	Side Door, Boxcar—Plug Type	C	
S-212	Side Door, Boxcar—Sliding Type	C	
M-210	Side Frame and Bolsters, AAR Approved—Purchase and Acceptance	S	Update Available
S-377	Side Frame Keys for AAR Standard and Alternate Standard Pedestal-Type Side Frames	D	
S-318	Side Frame—Bolster Rotation Stop Lug	S-II	
S-3003	Side Frame—Column Friction Wear Plate, Application	D	
S-320	Side Frame—Column Wear Plate, Application	D	
S-327	Side Frame—Roof Repair	S-II	Update Available
S-317	Side Frame—Tolerances	S-II	
S-319	Side Frame—Wide Land Rotation Stop Lug Column	S-II	
M-934	Side Frame, Alternate Standard Pedestal-Type with Side Frame Key—Application of Roller Bearing Unit	H	Update Available
S-3012	Side Frame, Alternate Standard Pedestal-Type with Side Frame Key—Application of Roller Bearing Unit	S-II	
S-325	Side Frame, Narrow Pedestal—Limiting Dimensions	S-II	
S-329	Side Frame, Narrow Pedestal—Roller Bearing	S-II	
S-3010	Side Frame, Standard Pedestal-Type with Side Frame Key—Limiting Dimensions	S-II	
S-393	Side Frames and Bolsters—Produced Prior to 1978	S-II	
M-214	Side Frames and Bolsters, Used and Reconditioned—Classification and Repair Procedure	S	Update Available
S-2035	Side Handhold, Additional—Hopper and High-Side Gondola Cars	C	
S-378	Side Frame, Cast Steel—Marking and Mating	S-II	
S-3011	Side Frame, Standard Pedestal-Type Size 6 in. × 11 in. with Side Frame Key—Limiting Dimensions	S-II	
S-393	Siderurgica Nacional, S.A.—Designs (Sahagun, Mexico; now owned jointly by National Castings de Mexico, S.A. de C.V. and ABC-NACO Technologies)	S-II	
S-461	Single-Capacity Freight Brakes—Performance Specification	E	

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Standard	Subject	Section	Circulars?
S-4286	Single-Car Test for Testing Electronically Controlled Pneumatic Braking Systems—Design and Performance Requirements	E-II	
M-949	Slack Adjuster Grease	E	
S-423	Slack Adjuster Reclamation—Automatic, Double-Acting, Mechanical Slack Adjusters	E	
RP-400	Slack Adjuster—General Information	E	
S-420	Slack Adjuster—Limiting Design Dimensions (Group E)	E	
S-421	Slack Adjuster, Center Rod Application (Group E)	E	
S-4008	Slack Adjuster, Mechanical, Double-Acting, Automatic Compression	E	
S-419	Slack Adjuster, Mechanical, Double-Acting, Automatic Tension	E	
S-420A	Slack Adjuster, Tension—Limiting Design Dimensions	E	
S-422	Slack Adjuster, Top Rod Application (Group E)	E	
S-4010	Slack Adjusters, Groups E, J, and K—Inspection and Testing On Coal Cars	E	
M-975	Span Bolsters	S	
RP-557	Spark Arrester	M	
S-225	Spark Shield—Wooden Deck Cars with Cast Iron Brake Shoes	C	
S-903	Special Car—Class L	L	
M-965	Special Devices to Control Stability of Freight Cars	D	
S-399	Specification for Bottom Rod Safety Supports	E	
M-1003	Specification for Quality Assurance	J	
S-3006	Specification for Recertified “D” Series Helical Truck Springs	D	
S-3009	Specification for Self-Locking Cotter Keys	E	
S-3013	Specifications Covering Surface of Truck Bolster Side Bearing Mounting Pad	D	
M-1002	Specifications for Tank Cars	C-III	Update Available
S-3007	Specifications for the Certification of New Truck Designs for Compatibility with Hot Bearing Detection Systems	D	
RP-306	Spring Test Machine	D	
RP-307	Spring Test Machine	D	
S-332	Spring—D2, 1 5/8-in. Travel	D	
S-333	Spring—D3, 2 1/2-in. Travel	D	
S-334	Spring—D4, 3 1/16-in. Travel	D	
S-335	Spring—D5, 3 11/16-in. Travel	D	
S-336	Spring—D6, 3 3/8-in. Travel	D	
S-337	Spring—D6A, 3 15/16-in. Travel	D	
S-338	Spring—D7, 4 1/4-in. Travel	D	
S-340	Spring—Groups D3, D4, D5, and D7	D	

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Standard	Subject	Section	Circulars?
S-341	Spring—Groups D3, D4, D5, and Snubber	D	
S-342	Spring—Groups D3, D4, D5, D7, and Snubber	D	
S-343	Spring—Groups D5 and Hydraulic Snubber	D	
S-339	Spring—Groups for D2	D	
S-3016	Spring—Groups for Free, Unrestricted Interchange for 286,000 GRL Cars (M-976 and S-286 Approved Trucks)	D	
RP-209	Stake Pocket—for Flatcars	C	
RP-208	Stake Pocket—Permanent	C	
S-9202B	Stand-alone Wayside Messaging Server Hardware Requirements	K-III	
S-392	Standard Car Truck Company—Drawings	S-II	
M-934D	Standard Interchangeable Backing Rings for Freight Car Tapered-Roller Journal Bearings	H	
M-934C	Standard Interchangeable End Caps for Freight Car Tapered-Roller Journal Bearings	H	
M-934A	Standard Interchangeable Spacers for Freight Car Tapered-Roller Journal Bearings	H	
M-934B	Standard Interchangeable Spacers for Freight Car Tapered-Roller Journal Bearings	H	
S-365	Standard Location of Brake Hanger Brackets and Unit Guide Brackets	E	
SOP	Standard Operating Procedures for Intermodal Securement	I	
RP-831	Standard Vehicle Nomenclature	N	
S-630	Steel Wheel Gauge	G	Update Available
RP-2017	Striker Casting, Cast Steel	C	
S-238	Striker, Cast Steel, F70 Coupler Design, 24 5/8-in. Draft Gear Pocket—Parts and Assembly	C	
S-236	Striker, Cast Steel, F70 Coupler Design, 24 5/8-in. Draft Gear Pocket—Welded Application	C	
S-720	Tabulation of Adapters and Frame Keys for AAR-Approved Roller Bearings	H	
S-907	Tank Car—Class T	L	
S-2036	Temperature—for Car Structures and Components	C	
S-464	Test Rack, 150-Car—Performance Testing Procedure	E	
S-463	Test Rack, 150-Car, Freight Brake	E	
S-465	Test Rack, Single-Car	E	
S-466	Test Rack, Single-Car, for Individual Valve Portions—Performance Testing Procedure	E	
RP-545	Testing Electrical Components	M	
S-815	Tie-Down Chain Assemblies for Multi-Level and Other Flat Cars, Refurbished High Test Grade 43 or Alloy Grade 80	N	

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M-990	Tie-Down Tracks, Wheel Chocks, and Straps (Tri-Level Autoracks)	N	
M-957	Tie-Down Tracks, Winches, and Chains	N	
M-966	TOFC Portable Bridge Plates	I	
M-931	Trailers for Intermodal Service	I	
S-253	Train Coal Car, 100-Ton Nominal Capacity, with Train Positioner—Clearance Diagram	C	
S-4003	Train Line Arrangement for Cars with F-Shank Couplers	E	
S-4029	Train Line Arrangement with Displaceable Union on Cars with EOCC and Couplers Exceeding 45 in. in Length	E	
S-4028	Train Line Arrangement with Displaceable Union on Cars with EOCC and Couplers Not Exceeding 45 in. in Length	E	
S-4013	Train Line Hoses—Coupling Extension Adapter	E	
S-4030	Trolley Arrangement on Cars with EOCC and E Shank Couplers	E	
S-2037	Trough Hatch Cover	C	
M-202	Truck Bolsters, Cast or Structural—Design and Testing	S	
S-3004	Truck Center Plate Liners or Wear Plates	D	
M-213	Truck Frames, Fabricated Steel	S	
M-976	Truck Performance for Rail Cars	D	Update Available
M-948	Truck Side Bearing	D	Update Available
M-203	Truck Side Frames, Cast Steel—Design and Testing	S	Update Available
S-392	Truck—Design Drawings	S-II	
S-301	Truck, 33-in. Wheels—Design Dimensions	S-II	
S-302	Truck, 36-in. Wheels—Design Dimensions	S-II	
S-304	Truck, 38-in. Wheels—Design Dimensions	S-II	
S-300	Truck, Freight Car—Design Data	S-II	
M-204	Truck, Freight Car, with Car Body/Side Frame Load Path—Design and Testing	S	Update Available
RP-505	Typical 26-L Type Brake Equipment Piping Diagrams for Locomotives	M	
M-961	Uncoupling Devices, Special	S-III	
S-366	Unit Guide Bracket, EC-2055—Design Dimensions	S-II	
S-3005	Universal Brake Beam Gauge	E	
M-934E	Universal Fitted Backing Rings For Freight Car Tapered-roller Journal Bearings	H	
RP-231	Universal Pocket—Typical Sections and Notes	C	
RP-228	Universal Pocket, 10-in. Cushion, Low Deck—E69 Coupler	C	
RP-227	Universal Pocket, 15-in. Cushion, E69 Coupler	C	
M-950-A	Universal Wide-Body Bi-Level Fully Enclosed Autorack Car (Standard Deck)	N	Update Available

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Standard	Subject	Section	Circulars?
M-950	Universal Wide-Body Tri-Level Fully Enclosed Autorack Car (Low Deck)	N	Update Available
RP-816	Unloading of Vehicles	N	
M-991	Vehicle Door Edge Protection System for Multi-Level Autorack Cars	N	
S-490	Vent Protector Performance and Approval	E	
S-227	Walkways, Alternate—at Sides of Double-Stack Car Wells	C	
S-6100	Wayside Detector Data Processing	F	Update Available
S-705	Wear Gauge for Journal Roller Bearing Adapters	H	
S-706	Wear Gauge for Journal Roller Bearing Adapters	H	
S-367	Wear Plate for Unit-Type Brake Beam Guide in Side Frame	E	
M-269	Wear Plate, Coupler Carrier, Performance Specification—Non Metallic	B	
S-270	Wear Plate, Used in Cushion Unit and Draft Systems that Employ the Y-47 Pin for an F Shank	B	
RP-802	Wheel Chock Strap Assembly Replacement	N	
S-614	Wheel Defect—Worn Journal Collar and Journal Fillet Gauge	G	
S-615	Wheel Defect—Worn Journal Collar and Journal Fillet Gauge	G	
S-660	Wheel Designs, Locomotive and Freight Car—Analytic Evaluation	G	
RP-750	Wheel Mounting Compound Approval Test Procedure	H-III	
S-657	Wheel, Passenger Car (Amfleet)	G	
S-601	Wheels—Manufacturing Facility Inspection By Technical Services	G	
S-611	Wheels—Measuring Wheel Circumference (Tape) Using Wheel Gauges S-612 and S-613	G	
M-107/ M-208	Wheels, Carbon Steel	G	Update Available
RP-5136	Windshield Wiper Motor Handle with Soft-Rubber-Type Grip	M	
RP-5137	Windshield Wiper Motor Protective Cover	M	
RP-588	Wire and Cable Insulating Material	M	
RP-586	Wire and Cable Insulating Material—Moisture-Resisting Jacketed	M	
RP-587	Wire and Cable Insulating Material—Silicone Rubber Insulated	M	
RP-585	Wiring and Cable Specification	M	
M-205	Yoke, Coupler—Test Requirements	S	
S-176	Yoke, E Type, Cushioning, for Pocket EOC-7	S-III	
S-177	Yoke, E Type, Cushioning, for Pocket EOC-8	S-III	
S-143	Yoke, E Type, SY40AE or YS93AE, Standard, for 24 5/8-in. Draft Gear Pocket	S-III	

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S-141	Yoke, E Type, Y40AE, Standard, for 24 5/8-in. Draft Gear Pocket	S-III	
S-142	Yoke, E Type, Y41AE for 36-in. Draft Gear Pocket	S-III	
S-149	Yoke, E/F and F Type, Y45AE, Standard, for 24 5/8-in. Draft Gear Pocket	S-III	
S-151	Yoke, E/F Type, Y49AE, Standard, for 36-in. Draft Gear Pocket	S-III	
S-180	Yoke, F Type, Cushioning, for Pocket EOC-1, EOC-2, and EOC-16	S-III	
S-179	Yoke, F Type, Cushioning, for Pocket EOC-10 and EOC 26	S-III	
S-178	Yoke, F Type, Cushioning, for Pocket EOC-9	S-III	
S-139	Yokes, Relief Fillets	S-III	

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Standard	Subject	Section	Circulars?
S-010	Field Test Requirements for Materials, Devices, and Products Manufactured to AAR Specifications but Having No Previous Service Experience on AAR Member Roads	AS	
S-046	Definitions of Terms for the AAR *Manual of Standards and Recommended Practices*	AS	
S-050	Procedures for Considering Proposals Regarding Revisions to the Manual of Standards and Recommended Practices	AS	
S-051	Conditions Governing Withdrawal of AAR Approval of Freight Car and Locomotive Components and Products	AS	
S-060	Application for Component Approval Procedure	AS	
M-118	Pin, Coupler Knuckle Pivot and Coupler Shank Connecting, Steel	B	
M-119	Retaining Pin and Keeper for F-Type Cushion Yoke	B	
M-269	Wear Plate, Coupler Carrier, Performance Specification—Non Metallic	B	
M-901B	Draft Gear, Secondhand and Reconditioned	B	Update Available
M-901E	Draft Gears with a Minimum Capacity of 36,000 ft·lb at a Reaction of 500,000 lb	B	
M-901F	Draft Gear Reaction Forces, Measuring and Recording, Instrumentation Requirements	B	
M-901G	Draft Gear, Rated by Impact Testing	B	
M-901K	Draft Gear, All-Hydraulic, Rated by Impact Testing	B	
M-921-G	Facility Inspection Requirements for Manufacturers of New and Reconditioned Cushioning Devices for Freight Service	B	
M-921-H	Cushioning Units, Standard Preload EOC Unit Condition Indicator	B	
M-921A	Cushioning Devices, Sliding Sill	B	
M-921B	Cushioning Devices, End-of-Car	B	
M-921C	Cushioning Devices, Reconditioned—Approved for Freight Service	B	Update Available
M-921D	Cushioning Devices, End-of-Car—Motor-Vehicle-Carrying	B	
M-921E	Cushioning Devices, Active Draft End	B	
M-921F	Cushioning Devices, Active Draft End of Car	B	
RP-101	Draft Gear Inspection	B	
RP-110	Cushioning Device Inspection	B	
S-100	Bushings, Seamless Steel Tube—Coupler Shanks and Yokes	B	
S-101	Field Service Experience—Reporting Requirements	B	
S-119	Draft Gear Follower, Y44A	B	
S-120	Draft Key Retainers, Locks, Keepers, and Washer	B	

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Standard	Subject	Section	Circulars?
S-121	Draft Key	B	
S-122	Draft Key Retainer	B	
S-125	Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective ACF Freight Saver 20- or 30-in. Travel Units—Plate No. 526-1	B	
S-126	Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective Keystone 20-in. Travel Unit, Santa Fe Shock Control, A.O. Smith Cushion Ride, and Rockwell Cargo Cushion—Plate No. 526-2	B	
S-127	Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective Hydra Cushion 10-, 12-, or 20-in. Travel Units or Evans Cushion Pak Wide Tunnel Units—Plate No. 526-3	B	
S-128	Immobilization of Sliding Sill on Cushion Underframe Cars Having Damaged or Defective Hydra Pullman Standard Hydroframe 40 and 60 Units or National 3C Wide Tunnel Units—Plate No. 526-4	B	
S-156	Immobilization of Freightmaster Types SP-E and SP-C	B	
S-157	Immobilization of Freightmaster Types F, FS, and B	B	
S-158	Immobilization of Freightmaster	B	
S-159	Immobilization of Freightmaster Types HD and AR-F	B	
S-160	Immobilization of Keystone Type E Miner SR-12	B	
S-161	Immobilization of Freightmaster 10-in. Type E Miner M-12S	B	
S-162	Immobilization of Keystone F Shank	B	
S-171	Immobilization of Pullman Standard, ACF, or Keystone Center-of-Car Cushioning Devices (“Dummy Cylinder Method”)	B	
S-181	Cushioning Pocket Identification Guide—AAR Rule 59	B	
S-182	Pocket Tolerances—EOC-8	B	
S-183	Pocket Tolerances—EOC-9	B	
S-184	Pocket Tolerances—EOC-10	B	
S-269	Coupler Carrier Wear Plate	B	
S-270	Wear Plate, Used in Cushion Unit and Draft Systems that Employ the Y-47 Pin for an F Shank	B	
M-800	Hopper Car, Covered—For Transport of Oxidizing Commodities	C	
M-801	Hopper Car, Covered—Pressurized During Unloading and In-Transit	C	
M-908	Flat Steel Floor for Freight Cars 50,000, 60,000, 70,000 or 80,000 lb Capacities	C	
M-964	Floor, Nailable Steel—Freight Cars	C	
RP-200	Hopper Car, Open Top, in Shaker Service—Design Features	C	
RP-206	Decking, Wood—for Open Top Cars	C	

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RP-207	Defect Card Receptacle	C	
RP-208	Stake Pocket—Permanent	C	
RP-209	Stake Pocket—for Flatcars	C	
RP-227	Universal Pocket, 15-in. Cushion, E69 Coupler	C	
RP-228	Universal Pocket, 10-in. Cushion, Low Deck—E69 Coupler	C	
RP-231	Universal Pocket—Typical Sections and Notes	C	
RP-232	Ladder, End and Side—Configuration	C	
RP-233	Hold-Down Clips—Gondolas, Side Sheet Mounted	C	
RP-234	Hold-Down Clips—Gondolas, Top Cord Mounted	C	
RP-258	Hopper Car—Grain Service	C	
RP-261	Center Bowl Liner and Lubricant—Double-Stack Container Car	C	
RP-401	Brake Control Valves—Mount-Configuration Designs as Related to Field Vibration	C	
RP-905	Performance Requirements for Refrigerated Boxcar Fuel Tanks	C	
RP-940	Electronic Distribution Format For Engineering Drawings	C	
RP-2017	Striker Casting, Cast Steel	C	
S-203	Coupler, Height Adjustment	C	
S-204	Body Center Plate, Separable—Surface Finish	C	
S-206	Body Center Plate, Cast Steel or Forged—for Freight Cars with 14-in. Center Plates	C	
S-207	Body Center Plate, Cast Steel or Forged—for Freight Cars with 16-in. Center Plates	C	
S-211	Body Center Plate Gauge—14-in. and 16-in. Diameter	C	
S-212	Side Door, Boxcar—Sliding Type	C	
S-213	Side Door, Boxcar—Plug Type	C	
S-215	Safety Hangers and Retainers—for Freight Car Doors	C	
S-217	Identification Plate—Boxcar Doors	C	
S-219	Safety Appliances for Bulkhead Flatcars, Including Pulpwood Cars	C	
S-220	Safety Appliances for Special Service High-Side Gondolas with Fixed Ends	C	
S-224	Handholds, Safety Railings, and Ladder Treads	C	
S-225	Spark Shield—Wooden Deck Cars with Cast Iron Brake Shoes	C	
S-226	Running Boards, Walkways, Brake Steps, and End Platforms	C	
S-227	Walkways, Alternate—at Sides of Double-Stack Car Wells	C	
S-229	DOT Placard Location	C	
S-230	Lading Strap Anchor Arrangement and Use—for Flatcars	C	
S-233	Gravity Outlet Gates, New—for Covered Hopper Cars	C	
S-234	Lifting Freight Cars	C	

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Standard	Subject	Section	Circulars?
S-235	Side Bearing Wear Plate—Car Body	C	
S-236	Striker, Cast Steel, F70 Coupler Design, 24 5/8-in. Draft Gear Pocket—Welded Application	C	
S-238	Striker, Cast Steel, F70 Coupler Design, 24 5/8-in. Draft Gear Pocket—Parts and Assembly	C	
S-239	Arrangement E60 Coupler Design 24 5/8 in. Draft Gear Pocket Striker Applied by Welding	C	
S-243	Draft Arrangement, E68 Coupler, 24 5/8-in. Pocket	C	
S-244	Draft Arrangement, E69 Coupler, 24 5/8-in. Pocket	C	
S-245	Draft Arrangement, F70 Coupler, 24 5/8-in. Pocket—Striker Applied by Welding	C	
S-247	Draft Arrangement, F79 Coupler, 24 5/8-in. Pocket	C	
S-249	Door Puller Bracket, Application to Intermediate Post	C	
S-252	Door Air Lines—Location of End Cocks	C	
S-253	Train Coal Car, 100-Ton Nominal Capacity, with Train Positioner—Clearance Diagram	C	
S-254	Draft Pocket Tolerances	C	
S-255	Combined Striker and Front Draft Lug Tolerances	C	
S-258	Body Center Plate Relief	C	
S-259	Rail Car, 286,000-lb Gross Weight	C	
S-265	Center Pin—Freight Car	C	
S-266	Center Sill Section, Rolled Steel	C	
S-267	Center Sill Section—Welding Notes	C	
S-286	Free/Unrestricted Interchange for 286,000 lb Gross Rail Load Cars	C	
S-2008	Card Holder—Bad Order	C	
S-2025	Hopper Car—End for Door Operating Shaft	C	
S-2026	Plate B—Equipment Diagram for Unrestricted Interchange Service	C	
S-2027	Plate B-1—Maximum Width of Cars with Various Truck Centers	C	
S-2028	Plate C—Equipment Diagram for Limited Interchange Service	C	
S-2029	Plate C-1—Maximum Width of Cars with Various Truck Centers	C	
S-2030	Plate D—Obtaining Maximum Allowable Width of Car, Other Than at Centerline of Car, for Unrestricted (Plate B-1) and Limited (Plates C-1, H-1, J-1, and K-1) Interchange Service	C	
S-2031	Plate E—Equipment Diagram for Limited Interchange Service	C	
S-2032	Plate F—Equipment Diagram for Limited Interchange Service	C	
S-2034	Car Builder Certification	C	
S-2035	Side Handhold, Additional—Hopper and High-Side Gondola Cars	C	

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Standard	Subject	Section	Circulars?
S-2036	Temperature—for Car Structures and Components	C	
S-2037	Trough Hatch Cover	C	
S-2038	Rack Car, Multilevel, with or without Door or Roof, Enclosed—Safety Appliance Standards	C	
S-2039	Batten Bars	C	
S-2040	Plate H—Equipment Diagram for Limited Interchange Service	C	
S-2041	Plate H-1—Maximum Width of Cars with Various Truck Centers	C	
S-2042	Performance Specification for Sill Steps	C	
S-2043	Performance Specification for Trains Used to Carry High-Level Radioactive Material	C	
S-2044	Safety Appliance Requirements for Freight Cars	C	
S-2045	Remote Monitoring Equipment, Installation	C	
S-2046	Accelerated Fatigue Test Specification for Increased Life Status Applications	C	
S-2047	Plate J—Equipment Diagram for Limited Interchange Service	C	
S-2048	Plate K—Clearance Diagram for Limited Interchange Service	C	
S-2049	Anti-Pilferage Device—Boxcar Sliding Door	C	
S-2050	Anti-Pilferage Device—Boxcar Plug Door	C	
S-2051	Plate J1—Maximum Width of Cars with Various Truck Centers	C	
S-2052	Plate K1—Maximum Width of Cars with Various Truck Centers	C	
S-2053	Container Interface—Well Car, 53 ft	C	
S-2054	Clearance Diagram—Interface Between a Well Car and a Container Equipped with a Refrigerator/Heater Unit	C	
S-2055	Body Center Plate, Low Profile	C	
M-1001	Design, Fabrication, and Construction of Freight Cars	C-II	Update Available
M-1002	Specifications for Tank Cars	C-III	Update Available
RP-263	Maintenance Program Development	C-III	Update Available
M-114	Helical Springs, Heat-Treated Steel	D	
M-948	Truck Side Bearing	D	Update Available
M-965	Special Devices to Control Stability of Freight Cars	D	
M-976	Truck Performance for Rail Cars	D	Update Available
RP-306	Spring Test Machine	D	
RP-307	Spring Test Machine	D	
RP-323	Application of Snap-On Pedestal Roof Liners for AAR Pedestal-Type Side Frames	D	Update Available
S-306	Center Plate Liner—Vertical, 6 1/2 in. × 12 in.	D	Update Available
S-307	Center Plate Liner—Horizontal, 6 1/2 in. × 12 in.	D	Update Available
S-308	Center Plate Liner—Vertical, 6 1/2 in. × 12 in.	D	Update Available

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Standard	Subject	Section	Circulars?
S-320	Side Frame—Column Wear Plate, Application	D	
S-332	Spring—D2, 1 5/8-in. Travel	D	
S-333	Spring—D3, 2 1/2-in. Travel	D	
S-334	Spring—D4, 3 1/16-in. Travel	D	
S-335	Spring—D5, 3 11/16-in. Travel	D	
S-336	Spring—D6, 3 3/8-in. Travel	D	
S-337	Spring—D6A, 3 15/16-in. Travel	D	
S-338	Spring—D7, 4 1/4-in. Travel	D	
S-339	Spring—Groups for D2	D	
S-340	Spring—Groups D3, D4, D5, and D7	D	
S-341	Spring—Groups D3, D4, D5, and Snubber	D	
S-342	Spring—Groups D3, D4, D5, D7, and Snubber	D	
S-343	Spring—Groups D5 and Hydraulic Snubber	D	
S-373	Location of Peep Hole on Cars Having Deep Side Sills for Checking Brake Cylinder Piston Travel	D	
S-377	Side Frame Keys for AAR Standard and Alternate Standard Pedestal-Type Side Frames	D	
S-394	Side Bearing Pad for Two-Hole Application	D	
S-3003	Side Frame—Column Friction Wear Plate, Application	D	
S-3004	Truck Center Plate Liners or Wear Plates	D	
S-3006	Specification for Recertified “D” Series Helical Truck Springs	D	
S-3007	Specifications for the Certification of New Truck Designs for Compatibility with Hot Bearing Detection Systems	D	
S-3008	Performance of Devices or Designs to Control Yaw Dynamics in Freight Car Trucks	D	
S-3013	Specifications Covering Surface of Truck Bolster Side Bearing Mounting Pad	D	
S-3014	Freight Car Truck Springs—with Snubber Spring	D	
S-3015	Freight Car Truck Springs—without Snubber Spring	D	
S-3016	Spring—Groups for Free, Unrestricted Interchange for 286,000 GRL Cars (M-976 and S-286 Approved Trucks)	D	
M-300	Reconditioned Brake Beams	E	
M-402	Brake Shoe, Cast Iron, High-Phosphorus Type	E	
M-601	Hose, Wrapped, Air—Brake, “End Hose”	E	
M-602	Gaskets, Air Hose	E	
M-618	Hose, Air, Wire-Reinforced	E	
M-619	Brake Cylinder Line Hose Assemblies—Performance Requirements	E	
M-620	Hose, Air, Fabric-Reinforced	E	
M-912	Oil, Control Valve	E	

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Standard	Subject	Section	Circulars?
M-914	Brake Cylinder Lubricant	E	
M-923	Hose Cement	E	
M-926	Brake Shoe, High-Friction Composition or Metal Type	E	
M-927	Hose Fittings and Hose Assemblies, Air, Wire-Reinforced	E	
M-949	Slack Adjuster Grease	E	
M-996	Brake Shoe, Low-Friction Composition Type	E	
M-997	Brake Shoe—High-Friction Tread Conditioning, High Capacity	E	
RP-308	Design Dimensions for Brake Hanger Bracket	E	
RP-322	Brake Beam Strut Keyway Gauge	E	
RP-400	Slack Adjuster—General Information	E	
RP-5599	Hook and Eye Brake Rigging—Lever Angularity Inspection	E	
S-344	Brake Beam Specifications and Tests	E	
S-345	Brake Beam—Tolerance, Hangerless Type	E	
S-346	Brake Beam—Outline, Hanger Type	E	
S-348	Brake Beam Gauges for Standard Brake Beams	E	
S-349	Brake Beam—Outline, Hangerless Type	E	
S-352	Brake Beam Gauge Assembly—Hangerless Type	E	
S-353	Brake Beam Gauge Details—Hangerless Type	E	
S-355	Brake Beam Gauge Application—Hangerless Type	E	
S-358	Go Gauge for Brake Head, Metal or High-Friction Shoe	E	
S-359	Go and No-Go Gauge for Brake Head for Limiting Contour of Face, Metal or High-Friction Shoe	E	
S-360	Gauges for End of Hangerless-Type Brake Beam	E	
S-361	Go Gauges for Brake Shoe	E	
S-362	No-Go Gauge for Brake Shoe	E	
S-365	Standard Location of Brake Hanger Brackets and Unit Guide Brackets	E	
S-367	Wear Plate for Unit-Type Brake Beam Guide in Side Frame	E	
S-368	Brake Beam Hangers and Attachments	E	
S-369	Brake Beam Hangers and Attachments	E	
S-370	Limiting Contour of Face of Brake Heads for Hanger-Type Brake Beams	E	
S-371	Limiting Contour of Face of Brake Heads for Hangerless-Type Brake Beams	E	
S-372	Brake Head Conversion—Metal Shoe-Type to High-Friction Composition	E	
S-374	Badge Plate for Showing Proper Dimensions for Body and Truck Brake Levers	E	
S-375	Break Pin Tolerance	E	

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Standard	Subject	Section	Circulars?
S-376	Brake Shoe Keys	E	
S-379	Application Tolerances for Hanger-Type Brake Beams	E	
S-380	Hangerless Brake Beam Extension Functional Gauge (Parallelism)	E	
S-399	Specification for Bottom Rod Safety Supports	E	
S-400	Brake Equipment—Installation Specifications	E	
S-401	Brake Design Requirements	E	
S-402	Air Brake Pipe and Fittings for Railroad Cars—Welding Procedure	E	
S-419	Slack Adjuster, Mechanical, Double-Acting, Automatic Tension	E	
S-420	Slack Adjuster—Limiting Design Dimensions (Group E)	E	
S-420A	Slack Adjuster, Tension—Limiting Design Dimensions	E	
S-421	Slack Adjuster, Center Rod Application (Group E)	E	
S-422	Slack Adjuster, Top Rod Application (Group E)	E	
S-423	Slack Adjuster Reclamation—Automatic, Double-Acting, Mechanical Slack Adjusters	E	
S-424	Angle Cock Location	E	
S-425	Angle Cock Location on Cars Equipped with AAR Type F Coupler	E	
S-426	Angle Cock Location on Cars with Floating Sills	E	
S-427	Angle Cock and Air Brake Hose Location on Cars with Excessive Overhang Preventing Compliance with AAR Standards S-424, S-425, and S-426	E	
S-428	Angle Cock Location on Cars Equipped with AAR Type F Coupler and Cushioned Underframe	E	
S-429	Angle Cock Locking Lugs—Minimum Permissible Engagement	E	
S-430	Brake Shoe, Metal, Reinforced	E	
S-431	Brake Shoe, High-Friction Composition Type—Limiting Contour	E	
S-432	Hose Support, S Hook	E	
S-436	Hose Coupling, Dummy	E	
S-437	Hose, Other than Armored Type—Mounting Procedure	E	
S-438	Hose, Armored Type—Mounting Procedure	E	
S-439	Hose Clamps	E	
S-440	End Hose Gaskets, Couplings, and Nipples—Annual Test Requirements	E	
S-441	Air Brake and Signal Hose—Mounting of Coupling and Nipple	E	
S-443	Brake Cylinder Release Valve and Release Rod	E	
S-444	Brake Cylinder Release Valve Rod Handles—Location	E	
S-445	Retaining Valve—Location	E	

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Standard	Subject	Section	Circulars?
S-446	Retaining Valve, 1967-Type, Three-Position	E	
S-447	Hose Coupling Gasket Gauge	E	
S-448	Brake Shoe Go Gauge	E	
S-449	Brake Shoe No-Go Gauge	E	
S-455	Hose Coupling Condemning Gauges for Checking the Beads and Shanks on New and Used Hose Couplings and Nipples	E	
S-456	Hose Coupling Gauges for Gauging New and Used Couplings	E	
S-457	Hose Coupling Tester, Air Brake, Type A-1-B—Modification to Permit Testing of Pinless-Type Couplings	E	
S-458	Hose Assemblies—Reclamation Procedures	E	
S-461	Single-Capacity Freight Brakes—Performance Specification	E	
S-462	Control Valve—Approval Procedure	E	
S-463	Test Rack, 150-Car, Freight Brake	E	
S-464	Test Rack, 150-Car—Performance Testing Procedure	E	
S-465	Test Rack, Single-Car	E	
S-466	Test Rack, Single-Car, for Individual Valve Portions—Performance Testing Procedure	E	
S-467	Control Valve, Freight Brake—Environmental Tests	E	
S-468	Control Valve Pipe Bracket	E	
S-469	Performance Specification for Freight Brakes	E	
S-470	Angle Cock, Ball Type—Specification for Approval	E	
S-471	Brake Pipe Restriction Test	E	
S-472	End Cock Location on Cars Arranged for Rotary Dump Service	E	
S-473	Brake Equipment—Application Form for AAR Approval of New and Untried Freight Cars	E	
S-475	Hand Brakes	E	
S-476	Angle Cocks and Brake Pipe End Cocks—Repair Specification	E	
S-477	Control Valve—Shop Certification Requirements for Approved Valves	E	
S-486	Code of Air Brake System Tests for Freight Equipment—Single Car Test	E	
S-488	End Cock and Air Brake Hose Location on Long Cars	E	
S-489	Dirt Collector and Cutout Cock, Combined—Repair Specification	E	
S-490	Vent Protector Performance and Approval	E	
S-491	Hose Coupling	E	
S-492	Field Service Reports—Requirements	E	
S-493	Dirt Collector and Cutout Cock—Test Specification	E	
S-494	Reservoir, Steel Fabricated, Combined Auxiliary and Emergency	E	

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Standard	Subject	Section	Circulars?
S-495	Angle Cock Location on Cars Arranged for Rotary Dump Service	E	
S-2009	Push Rod, Brake Cylinder	E	
S-3001	Approval of AAR-Approved Brake Beam Safety Supports	E	
S-3005	Universal Brake Beam Gauge	E	
S-3009	Specification for Self-Locking Cotter Keys	E	
S-4000	Brake Pipe Reduction Devices, Freight Auxiliary—Environmental Tests	E	
S-4001	Rubber Products—Performance	E	
S-4002	Empty/Load Devices—Performance Testing	E	
S-4003	Train Line Arrangement for Cars with F-Shank Couplers	E	
S-4004	Brake Cylinder—Performance Testing	E	
S-4005	Brake Systems, Truck-Mounted—Performance Testing	E	
S-4006	Hose Supports—Performance Testing	E	
S-4007	Reservoir, Combined Auxiliary and Emergency—Reclamation Procedure	E	
S-4008	Slack Adjuster, Mechanical, Double-Acting, Automatic Compression	E	
S-4009	Compression Slack Adjusters and Piston Travel Adjustment—Inspection, Testing, Removal, and Application	E	
S-4010	Slack Adjusters, Groups E, J, and K—Inspection and Testing On Coal Cars	E	
S-4013	Train Line Hoses—Coupling Extension Adapter	E	
S-4020	Brake Cylinder Pressure Measurement Taps	E	
S-4021	Angle Cock and Brake Hose Location on Cars with EOCC	E	
S-4022	Pipe, Other than Schedule 80 Iron	E	
S-4023	Brake Shoe Limiting Contour, Low-Friction Composition Type	E	
S-4024	Brake Shoe Force Measurement Devices—Performance Specification	E	
S-4025	Brake Beam Wear Liners, Non-Metallic	E	
S-4026	Brake Rod Connector—Design Requirements	E	
S-4027	Automated Single-Car Test Procedure, Conventional Brake Equipment—Design and Performance Requirements	E	
S-4028	Train Line Arrangement with Displaceable Union on Cars with EOCC and Couplers Not Exceeding 45 in. in Length	E	
S-4029	Train Line Arrangement with Displaceable Union on Cars with EOCC and Couplers Exceeding 45 in. in Length	E	
S-4030	Trolley Arrangement on Cars with EOCC and E Shank Couplers	E	
S-4045	Passenger Equipment Maintenance Requirements (formerly S-045)	E	

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Standard	Subject	Section	Circulars?
S-4200	Electronically Controlled Pneumatic (ECP) Cable-Based Brake Systems—Performance Requirements	E-II	
S-4210	ECP Cable-Based Brake System Cable, Connectors, and Junction Boxes—Performance Specification	E-II	
S-4220	ECP Cable-Based Brake DC Power Supply—Performance Specification	E-II	
S-4230	Intratrain Communication Specification for Cable-Based Freight Train Control Systems	E-II	
S-4240	ECP Brake Equipment—Approval Procedure	E-II	
S-4250	Performance Requirements for ITC-Controlled Cable-Based Distributed Power Systems	E-II	
S-4260	ECP Brake and Wire Distributed Power Interoperability Test Procedures	E-II	
S-4270	ECP BRake System Configuration Management	E-II	
S-4286	Single-Car Test for Testing Electronically Controlled Pneumatic Braking Systems—Design and Performance Requirements	E-II	
S-920	AAR Component Identification (CID) Bar Code Standard	F	
S-6000	Acoustic Roller Bearing Detector Level-1 Indications	F	
S-6001	Bearing Temperature Performance	F	
S-6002	Data Summary Definitions	F	
S-6003	Data Summary—Truck Hunting	F	Update Available
S-6004	Data Summary—TADS®	F	Update Available
S-6005	Data Summary—RailBAM®	F	Update Available
S-6100	Wayside Detector Data Processing	F	Update Available
M-101	Axles, Carbon Steel, Heat-Treated	G	Update Available
M-107/ M-208	Wheels, Carbon Steel	G	Update Available
M-967	Electrochemical Metal Deposition for Repairing Roller Bearing Axle Journals	G	
RP-608	Gauge, Wheel—Reference Master Disk For Verifying Wheel Circumference Gauges S-612 and S-613	G	
RP-609	Inspection Stand for Use with Master Disks	G	
RP-612	Mounting Pressures for Wrought and Cast Steel Wheels on Gear-Driven and Idler Axles of Locomotives Other than Steam	G	
RP-613	Gauge, Axle—Master Gauge For Verifying Axle Journal and Fillet Gauge S-614	G	
RP-614	Gauge, Wheel—Master Gauge For Verifying Wheel Gauges S-617 and S-618	G	
RP-615	Gauge, Wheel—Simplified	G	
RP-619	Reference Groove for Multiple-Wear Diesel Wheels	G	
RP-622	Axle, Weight—Machined Finish, Raised Wheel Seat	G	

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Standard	Subject	Section	Circulars?
RP-629	Gauge, Wheel—for Measuring Condemnable Overheated Wheels	G	
RP-630	Gauge, Wheel—Application for Measuring Condemnable Overheated Wheels	G	
RP-636	Gauge, Wheel—Application Drawing For AAR 1B Wheel Gauges S-662 and S-667	G	
RP-637	Gauge, Wheel—Application Drawing For AAR 1B Wheel Gauges S-661 and S-665	G	
RP-638	Gauge, Wheel—Application Drawing For Reference Gauge To Verify Wheel Gauges S-661, S-662, S-663, S-664, S-665, S-666, S-667, and S-668	G	
S-601	Wheels—Manufacturing Facility Inspection By Technical Services	G	
S-611	Wheels—Measuring Wheel Circumference (Tape) Using Wheel Gauges S-612 and S-613	G	
S-612	Circumference Measure (Tape) for 27-in. to 38-in. Steel Wheels	G	
S-613	Circumference Measure (Tape) for 38-in. to 52-in. Steel Wheels	G	
S-614	Wheel Defect—Worn Journal Collar and Journal Fillet Gauge	G	
S-615	Wheel Defect—Worn Journal Collar and Journal Fillet Gauge	G	
S-616	Limit Wear Gauge for Condemning Wheel Defect—Worn Journal Collar and Journal Fillet Gauge	G	
S-617	Gauge, Wheel—Former Standard 1980	G	
S-618	Gauge, Wheel—Former Standard 1976	G	
S-627	Combined Wheel Gauge	G	
S-628	Combined Wheel Gauge	G	
S-629	Limit Wear Gauge for Condemning Wheel Defect—Worn Journal Collar and Journal Fillet Gauge	G	
S-630	Steel Wheel Gauge	G	Update Available
S-649	Axles—Manufacturing Facility Inspection By Technical Services	G	
S-657	Wheel, Passenger Car (Amfleet)	G	
S-658	Axle for Passenger Cars (Amfleet) Inboard Roller Bearing—Raised Wheel Seat	G	
S-660	Wheel Designs, Locomotive and Freight Car—Analytic Evaluation	G	
S-661	Gauge, Wheel—Maximum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Narrow-Flange Steel Wheel	G	
S-662	Gauge, Wheel—Minimum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Narrow-Flange Steel Wheel	G	
S-663	Gauge, Wheel—Reference Limit Gauge For Verifying AAR 1B Narrow Flange Wheel Gauge S-661	G	

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Standard	Subject	Section	Circulars?
S-664	Gauge, Wheel—Reference Limit Gauge For Verifying AAR 1B Narrow Flange Wheel Gauge S-662	G	
S-665	Gauge, Wheel—Maximum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Wide-Flange Steel Wheels	G	
S-666	Gauge, Wheel—Reference Limit Gauge For Verifying AAR 1B Wide Flange Wheel Gauge S-665	G	
S-667	Gauge, Wheel—Minimum Flange Thickness, Height, and Throat Radii Gauge for AAR-1B Wide-Flange Steel Wheels	G	
S-668	Gauge, Wheel—Reference Limit Gauge For Verifying AAR 1B Wide Flange Wheel Gauge S-667	G	
S-669	Analytic Evaluation of Locomotive Wheel Designs	G	
RP-631	Recommended Wheel Shop Practices	G-II	Update Available
RP-632	General Requirements and Information	G-II	Update Available
RP-633	Figures	G-II	Update Available
RP-634	Gauges—Wheel and Axle Shop	G-II	Update Available
S-659	Mandatory Rules Governing Wheel Shop Practices as Required by Interchange Rules	G-II	Update Available
S-727	Roller Bearing Manual—Appendix A. Approved Materials	G-II	
M-924	Journal Roller Bearing Adapters for Freight Cars	H	Update Available
M-934	Side Frame, Alternate Standard Pedestal-Type with Side Frame Key—Application of Roller Bearing Unit	H	Update Available
M-934A	Standard Interchangeable Spacers for Freight Car Tapered-Roller Journal Bearings	H	
M-934B	Standard Interchangeable Spacers for Freight Car Tapered-Roller Journal Bearings	H	
M-934C	Standard Interchangeable End Caps for Freight Car Tapered-Roller Journal Bearings	H	
M-934D	Standard Interchangeable Backing Rings for Freight Car Tapered-Roller Journal Bearings	H	
M-934E	Universal Fitted Backing Rings For Freight Car Tapered-roller Journal Bearings	H	
M-942	Journal Roller Bearing Grease	H	Update Available
M-959	Lubrication Seals for Freight Car Journal Roller Bearings	H	
S-701	Locking Plate for Journal Roller Bearing Assemblies	H	
S-701A	Locking Plate for Journal Roller Bearing Assemblies	H	Update Available
S-702	Component Parts for Journal Roller Bearing Assemblies	H	
S-703	Cap Screws for Journal Roller Bearing Assemblies	H	
S-704	Adapter for Use with AAR Standard Pedestal-Type Side Frame	H	
S-705	Wear Gauge for Journal Roller Bearing Adapters	H	
S-706	Wear Gauge for Journal Roller Bearing Adapters	H	

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Standard	Subject	Section	Circulars?
S-720	Tabulation of Adapters and Frame Keys for AAR-Approved Roller Bearings	H	
S-721	Roller Bearing Manual—Mandatory Instructions and Practices	H-II	Update Available
S-722	Roller Bearing Manual—Rules Covering Requirements for Approval of Roller Bearing Shops to Recondition Roller Bearings for Interchange Service	H-II	
S-723	Roller Bearing Manual—Minimum Requirements for Roller Bearing Reconditioned Shops—Procedures—Tool Requirements Necessary to Make Roller Bearing Repairs for Interchange Use	H-II	Update Available
S-724	Roller Bearing Manual—Information on Amtrak Passenger Car Bearings	H-II	
S-725	Roller Bearing Manual—Manufacture of Interchangeable Roller Bearing Components	H-II	Update Available
S-726	Roller Bearing Manual—Remanufacture of Roller Bearing Components	H-II	
RP-750	Wheel Mounting Compound Approval Test Procedure	H-III	
S-729	Lubrication, Roller Bearing	H-III	
S-730	Lubrication, Center Plates	H-III	Update Available
S-731	Lubrication, Doors	H-III	
S-732	Inspection and Lubrication of Trailer Hitches on Flatcars	H-III	Update Available
S-733	Inspection and Lubricationof Bulkheads in Freight Cars	H-III	
S-734	Lubrication, Tie-Down Devices on Multi-Level Automobile rack and Flatcars	H-III	
S-736	Inspection and Lubrication, Hand Brakes	H-III	
M-928	Highway Trailer Hitches for Freight Cars	I	
M-928A	Highway Trailer Hitches for Freight Cars with 90,000-lb Maximum Gross vehicle Weight Capacity	I	
M-929	Grease for Lubrication of Trailer Hitches on Flatcars	I	
M-930	Containers for Domestic Intermodal Service	I	Update Available
M-931	Trailers for Intermodal Service	I	
M-952	Intermodal Container Support and Securement System for Freight Cars	I	
M-962	Remanufacture of TOFC Trailers	I	
M-966	TOFC Portable Bridge Plates	I	
M-985	Bad Order Device for Identification of Defective Hitches	I	
M-998	Intermodal Container Support and Interbox Connector (IBC) Securement Systems for Freight Cars	I	
RP-851	Double-Stack Container Cars	I	
RP-852	Intermodal Equipment Cars	I	
RP-899	Car Owner's Manual for the Inspection and Maintenance of Double-Stack Container Cars	I	Update Available

Note: Click the "Update Available" link in the column entitled "Circulars?" to identify any circular letters that implement specifications, standards, or recommended practices revised since the MSRP section was last printed. Call 877-999-8824 with questions.

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Standard	Subject	Section	Circulars?
SOP	Standard Operating Procedures for Intermodal Securement	I	
M-1003	Specification for Quality Assurance	J	
S-9001	ITC System Reference Architecture	K-I	
S-9002	Railroad Electronics Standards Configuration Management	K-I	
S-9053	Positive Train Control ITC System Requirements–Level 0	K-I	Update Available
S-9054	Positive Train Control ITC System Requirements–Level 1	K-I	Update Available
S-9055	Positive Train Control ITC Communications Segment Requirements—Level 1	K-I	
S-9056	Positive Train Control ITC Wayside System Requirements—Level 1	K-I	
S-9057	Positive Train Control ITC Systems Management Requirements—Level 1	K-I	
S-9070	I-ETMS Human Machine Interface Standard	K-I	
M-9154A	Intra-Consist Communications (ICC) Routing Functionality	K-II	
M-9155	Locomotive Command and Control Module (LCCM)—Functional Requirements	K-II	
S-9101	Locomotive Electronics System Architecture	K-II	
S-9101B	Locomotive Data Acquisition and Recording System Architecture	K-II	
S-9101E	Locomotive System Integration Communications	K-II	
S-9152	End-of-Train Communications	K-II	
S-9153	Common Air Interface (CAI-12) Communications FOR Remote Control Locomotive Systems (RCL) Operating AT 220 Mhz	K-II	
RP-9203	AEI Reader Equipment Requirements	K-III	
S-9202	Interoperable Train Control Wayside Interface Unit Requirements	K-III	
S-9202A	Integrated Wayside Messaging Server Hardware Requirements	K-III	
S-9202B	Stand-alone Wayside Messaging Server Hardware Requirements	K-III	
S-9203	Automatic Equipment Identification	K-III	
S-9203A	AEI Site-to-Host Consist Report Format	K-III	
S-9203B	AEI Site-to-Host Wayside Report Format	K-III	
S-9354	Edge Message Protocol	K-IV	
S-9355	Class C Messaging	K-IV	
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S-9361	Positive Train Control Office-Locomotive Segment—Interface Control Document (ICD)	K-IV	
S-9362	Interoperable Train Control (ITC) Wayside-Locomotive Interface Control Document (ICD)	K-IV	
S-9363	ITC Time and Location—Interface Control Document (ICD)	K-IV	

Note: Click the “Update Available” link in the column entitled “Circulars?” to identify any circular letters that implement specifications, standards, or recommended practices revised since the MSRP section was last printed. Call 877-999-8824 with questions.

Standard	Subject	Section	Circulars?
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S-9365	Locomotive Interface Gateway (LIG) to Positive Train Control (PTC) Interface Control Document (ICD)	K-IV	
M-9453	ITCSM Asset User Interface Requirements for Interoperable Train Control	K-V	
RP-9457	Positive Train Control Interoperable Electronic Train Management System (I-ETMS) Master Test Strategy (MTS)	K-V	
S-9401	Railroad Electronics Environmental Requirements	K-V	
S-9451	ITCSM Common Systems Management Requirements	K-V	
S-9451A	ITCSM WIU Asset-Specific Requirements for Interoperable Train Control	K-V	
S-9452	ITCSM Common Data Dictionary for Interoperable Train Control	K-V	
S-9452A	ITCSM WIU Asset-Specific Data Dictionary for Interoperable Train Control	K-V	
S-9454	ITC System Management (ITCSM) Back Office Requirements for Interoperable Train Control	K-V	
RP-9511	Interoperable Train Control (ITC) Onboard Track Database Field Survey and Validation, Recommended Practice	K-VI	
S-9501	PTC Data Model Definition	K-VI	
S-9503	Interoperable Electronic Train Management System® (I-ETMS) Subdivision File	K-VI	
S-9552	Railroad Communications Network	K-VI	
S-9553	Communications System Architecture	K-VI	
S-9553A	Mobile Communications Package	K-VI	
S-9553B	Front End Processor	K-VI	
S-9553C	Cluster Controller	K-VI	
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S-9555	Railroad Use of IEEE 802.11	K-VI	
S-9556	AAR Channel Plan for VHF Frequencies from 160.215 MHz to 161.565 MHz	K-VI	
M-947	Adhesive-Backed Films	L	Update Available
RP-021	Implementation of Equipment Identification and Warranty Administration	L	Update Available
RP-900	Passenger Car	L	
RP-901	Boxcars Equipped with Removable Crossbars	L	
RP-902	Cars Equipped with Antipilferage Devices	L	
RP-903	Lading Strap Anchors	L	
RP-904	Gondola Cars with Wood Floors	L	
S-900	Flatcar—Class F	L	

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Standard	Subject	Section	Circulars?
S-901	Gondola Car—Class G	L	
S-902	Hopper Car—Class H	L	
S-903	Special Car—Class L	L	
S-904	Caboose—Class N	L	
S-905	Refrigerator Car—Class R	L	
S-907	Tank Car—Class T	L	
S-908	Boxcar—Class X	L	
S-909	Maintenance of Way Equipment—Class MW	L	
S-910	Lettering and Marking of Cars	L	Update Available
S-911	Cars Equipped with Loading Bars and Movable Bulkheads	L	
S-912	Clear Door Opening	L	
S-913	Clearance Plates	L	
S-914	Metrication Stenciling	L	
S-915	Loading Stencil—Refrigerator Car Floor	L	
RP-503	Fuel Additive Evaluation Procedure	M	
RP-505	Typical 26-L Type Brake Equipment Piping Diagrams for Locomotives	M	
RP-508	Air Brake Exhaust Piping	M	
RP-509	Braking Ratios for Locomotives	M	
RP-512	Color Code for Identifying Fluids on Locomotive	M	
RP-514	Designation of Sides and Ends of Locomotives	M	
RP-518	Brake Shoe Unflanged	M	
RP-545	Testing Electrical Components	M	
RP-546	Minimum Requirements for Main Reservoir System on New and Rebuilt Diesel-Electric, Electric, and Gas Turbine Locomotives of 800-hp Capacity and Greater	M	
RP-548	Locomotive Rating Train/Track Resistance	M	
RP-557	Spark Arrester	M	
RP-585	Wiring and Cable Specification	M	
RP-586	Wire and Cable Insulating Material—Moisture-Resisting Jacketed	M	
RP-587	Wire and Cable Insulating Material—Silicone Rubber Insulated	M	
RP-588	Wire and Cable Insulating Material	M	
RP-589	Rating for Specific Fuel Consumption of Diesel Electric Locomotives	M	
RP-590	Lead-Acid Batteries and Compartments	M	
RP-599	Brake Shoes—High-Friction Composition Type for Locomotives	M	
RP-5104	Locomotive Cab Seats	M	

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Standard	Subject	Section	Circulars?
RP-5107	Access Doors to Light Boxes for Road Number, Headlight, or Warning Lights—Outside Cab	M	
RP-5115	Cushion Pad—Locomotive Cab Door Frame	M	
RP-5117	Door Closure Bar—Locomotive Cab	M	
RP-5120	Flexible Hinge Guard on Locomotive Cab Door	M	
RP-5122	Locomotive Horn Valve Handle with Soft, Resilient-Type Rubber Cover	M	
RP-5124	Padded Sun Visor in Locomotive Cab—Engineer's Side Only	M	
RP-5126	Recessed Windshield Wiper Valve, Train-Order Light Switch, and Flush-Mounted Train-Order Light	M	
RP-5127	Rounded Cab Window Latch in Locomotive Cabs	M	
RP-5128	Rounding All Possible Exposed Convex Edges and Corners	M	
RP-5132	Diesel Locomotive Control Stand for New Locomotives	M	
RP-5136	Windshield Wiper Motor Handle with Soft-Rubber-Type Grip	M	
RP-5137	Windshield Wiper Motor Protective Cover	M	
RP-5209	Basic Brake Design Data for Freight Locomotives	M	
RP-5503	Locomotive Fueling Interface	M	
RP-5523	Axle Nomenclature Arrangement—Locomotives	M	
RP-5595	Main Reservoir Equalizing End Hose Coupling	M	
RP-5596	Brake Shoes—Metal Type	M	
S-512	27-Point Control Plug and Receptacle	M	
S-580	Locomotive Crashworthiness Requirements	M	
S-590	Locomotive Electronics System Architecture	M	
S-591	Locomotive System Integration Operating Display	M	Update Available
S-5018	Dynamic Braking Control	M	
S-5019	Locomotive Definitions	M	Update Available
S-5101	Locomotive Cab Window Glazing Material	M	
S-5500	Locomotive Interchange Agreement	M	
S-5502	Automatic Engine Start/Stop System	M	Update Available
S-5506	Performance Requirements for Diesel Electric Locomotive Fuel Tanks	M	
S-5507	Remote Control Locomotives	M	
S-5509	Locomotive Dynamic Brake Status Reporting	M	Update Available
S-5510	Plate L—Locomotive Diagram for Interchange Service	M	
S-5512	Locomotive Event Recorder Download Standard	M	Update Available
S-5513	Locomotive Alerter Requirements	M	
S-5514	Locomotive Operator Control Symbols	M	Update Available
S-5515	LED Lighting for Locomotives	M	Update Available
S-5520	Locomotive Cab Securement	M	Update Available

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Standard	Subject	Section	Circulars?
S-5529	Multiple Unit Pneumatic Brake Equipment for Locomotives	M	Update Available
S-5597	Air Flow Indicators	M	
S-5598	Calibration Procedure for AFM Type Air Flow Indicators	M	
M-941	End Enclosure for Fully Enclosed Multi-Level Auto Rack Cars	N	
M-950	Universal Wide-Body Tri-Level Fully Enclosed Autorack Car (Low Deck)	N	Update Available
M-950-A	Universal Wide-Body Bi-Level Fully Enclosed Autorack Car (Standard Deck)	N	Update Available
M-951	Portable Bridge Plates for Multi-Level Autorack Cars	N	
M-956	Requirements Governing Superstructures to Cars Equipped With Sliding Sill or End-of-Car Cushioning Devices	N	
M-957	Tie-Down Tracks, Winches, and Chains	N	
M-970	Certification of Multi-Level Autorack Cars	N	
M-971	Non-Grease Lubricant for Autorack Equipment	N	
M-990	Tie-Down Tracks, Wheel Chocks, and Straps (Tri-Level Autoracks)	N	
M-991	Vehicle Door Edge Protection System for Multi-Level Autorack Cars	N	
M-992	Designated Satellite Shop Repair Specifications for Multi-Level Autorack Cars	N	
M-993	Mechanical Certification of Flatcars for Autorack Service	N	
RP-802	Wheel Chock Strap Assembly Replacement	N	
RP-803	Ride Quality Performance Requirements for Motor Vehicle Shipments	N	
RP-804	Measurement Requirements for Remote Ride Quality Monitoring	N	
RP-810	Handling and Inspection of Vehicles Before Loading	N	
RP-811	Loading of Vehicles	N	
RP-812	Handling and Inspection of Multi-Level Cars and Equipment After Loading	N	
RP-813	Handling of Multi-Level Cars in Trains and Yards	N	
RP-814	Inspection of Multi-Levels and Vehicles En Route	N	
RP-815	Railroad Police Protection	N	
RP-816	Unloading of Vehicles	N	
RP-817	Destination Inspections	N	
RP-818	Handling of Multi-Level Cars and Equipment Afier Unloading	N	
RP-830	Form Preparation for Vehicle Inspection	N	
RP-831	Standard Vehicle Nomenclature	N	
S-810	Conducting Field Impact and Over-the-Road Tests of Multi-Level Tie-down Equipment and/or Methods	N	Update Available

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Standard	Subject	Section	Circulars?
S-815	Tie-Down Chain Assemblies for Multi-Level and Other Flat Cars, Refurbished High Test Grade 43 or Alloy Grade 80	N	
M-105	Forgings, Carbon Steel Blooms, Billets, and Slabs	S	
M-126	Forgings, Carbon Steel	S	
M-127	Forgings, Alloy Steel	S	
M-131	Blooms, Billets, and Slabs—Alloy Steel	S	
M-201	Castings, Steel	S	Update Available
M-202	Truck Bolsters, Cast or Structural—Design and Testing	S	
M-203	Truck Side Frames, Cast Steel—Design and Testing	S	Update Available
M-203A	Bolster Design Loads	S	
M-204	Truck, Freight Car, with Car Body/Side Frame Load Path—Design and Testing	S	Update Available
M-205	Yoke, Coupler—Test Requirements	S	
M-210	Side Frame and Bolsters, AAR Approved—Purchase and Acceptance	S	Update Available
M-211	Couplers and Yokes, AAR Approved—Purchase and Acceptance	S	Update Available
M-212	Couplers and Yokes, Secondhand—Classification and Reconditioning Procedure	S	Update Available
M-213	Truck Frames, Fabricated Steel	S	
M-214	Side Frames and Bolsters, Used and Reconditioned—Classification and Repair Procedure	S	Update Available
M-215	Coupling Systems	S	Update Available
M-216	Knuckles, Types E and F—Fatigue Test	S	
M-220	Casting Component NonDestructive Testing Requirements	S	Update Available
M-975	Span Bolsters	S	
S-300	Truck, Freight Car—Design Data	S-II	
S-301	Truck, 33-in. Wheels—Design Dimensions	S-II	
S-302	Truck, 36-in. Wheels—Design Dimensions	S-II	
S-304	Truck, 38-in. Wheels—Design Dimensions	S-II	
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S-311	Bolster, 16 in. Center Plate—Limiting Outline	S-II	
S-312	Marking Diagram, Truck Bolster	S-II	
S-314	Marking Diagram, Truck Side Frame	S-II	
S-316	Bolster—Tolerances	S-II	
S-317	Side Frame—Tolerances	S-II	
S-318	Side Frame—Bolster Rotation Stop Lug	S-II	
S-319	Side Frame—Wide Land Rotation Stop Lug Column	S-II	
S-325	Side Frame, Narrow Pedestal—Limiting Dimensions	S-II	
S-327	Side Frame—Roof Repair	S-II	Update Available

Note: Click the “Update Available” link in the column entitled “Circulars?” to identify any circular letters that implement specifications, standards, or recommended practices revised since the MSRP section was last printed. Call 877-999-8824 with questions.

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Standard	Subject	Section	Circulars?
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S-366	Unit Guide Bracket, EC-2055—Design Dimensions	S-II	
S-378	Side Frame, Cast Steel—Marking and Mating	S-II	
S-392	ABC-NACO Technologies (formerly National Castings)—Drawings	S-II	Update Available
S-392	ASF-Keystone, Inc.—Drawings	S-II	
S-392	Buckeye Steel Castings—Drawings	S-II	
S-392	Pennsy Corporation—Drawings	S-II	
S-392	Standard Car Truck Company—Drawings	S-II	
S-392	Truck—Design Drawings	S-II	
S-393	ABC-NACO Technologies (formerly National Castings)—Designs	S-II	
S-393	ASF-Keystone, Inc.—Designs	S-II	
S-393	Birdsboro Corporation—Designs	S-II	
S-393	Buckeye Steel Castings—Designs	S-II	
S-393	Canadian Steel Foundries—Designs (by American Steel Foundries, now ASF-Keystone, Inc.)	S-II	
S-393	Canadian Steel Foundries—Designs (by National Castings, now ABC-NACO Technologies)	S-II	
S-393	Dofasco—Designs	S-II	
S-393	Dofasco—Designs (by National Castings, now ABC-NACO Technologies)	S-II	
S-393	Dresser Transportation Equipment Division—Designs	S-II	
S-393	Fundiciones de Hierro y Acero, S.A.—Designs (ceased production in 1992)	S-II	
S-393	Ohio Steel Foundry—Designs	S-II	
S-393	Pittron—Designs	S-II	
S-393	Scullin Steel Company—Designs	S-II	
S-393	Side Frames and Bolsters—Produced Prior to 1978	S-II	
S-393	Siderurgica Nacional, S.A.—Designs (Sahagun, Mexico; now owned jointly by National Castings de Mexico, S.A. de C.V. and ABC-NACO Technologies)	S-II	
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S-3011	Side Frame, Standard Pedestal-Type Size 6 in. × 11 in. with Side Frame Key—Limiting Dimensions	S-II	
S-3012	Side Frame, Alternate Standard Pedestal-Type with Side Frame Key—Application of Roller Bearing Unit	S-II	
M-932	Coupler Centering Device Specification	S-III	
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Standard	Subject	Section	Circulars?
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S-103	Coupler, E Type, Top and Bottom Shelf, Standard and Alternate Standard, SE60DE and SE60EE	S-III	
S-105	Coupler, E Type, Detail Parts	S-III	
S-106	Coupler, E Type, No. 10-A Contour and Detail of Pivot Pin Hole	S-III	
S-107	Coupler, E Type, Standard and Alternate Standard, E67CE and E67DE	S-III	
S-108	Coupler, E/F Type, Standard and Alternate Standard, E68CE and E68DE	S-III	
S-109	Coupler, E/F Type, Standard and Alternate Standard, E69BE and E69CE	S-III	
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S-111	Coupler, F Type, with Top Shelf, Standard, SF70DE	S-III	
S-112	Coupler, F Type, Standard, F73BE	S-III	
S-114	Coupler, F Type, Standard, F79DE	S-III	
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S-116	Coupler, F Type, Interlocking, Coupler and Yoke Parts	S-III	
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S-134	Coupler (Rotary), Types E60, E67, and F70, Operating Rod for Use with Standard Draft Gear or End-of-Car Cushioning up to 15-in. Total Travel	S-III	
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S-142	Yoke, E Type, Y41AE for 36-in. Draft Gear Pocket	S-III	
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S-149	Yoke, E/F and F Type, Y45AE, Standard, for 24 5/8-in. Draft Gear Pocket	S-III	
S-151	Yoke, E/F Type, Y49AE, Standard, for 36-in. Draft Gear Pocket	S-III	
S-154	Coupler, E Type, SE67CE and SE67DE, Top and Bottom Shelf	S-III	
S-155	Coupler, E Type, SE68CE and SE68DE, Top and Bottom Shelf	S-III	

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Standard	Subject	Section	Circulars?
S-163	Coupler, E Type, SBE60DE and SBE60EE, Bottom Shelf	S-III	
S-164	Coupler, E Type, SBE67CE and SBE67DE, Bottom Shelf	S-III	
S-165	Coupler, E/F Type, SBE68CE and SBE68DE, Bottom Shelf	S-III	
S-170	Coupler, E/F Type, SBE69BE and SBE69CE, Bottom Shelf	S-III	
S-172	Coupler, E/F Type, SE69BE and SE69CE, Top and Bottom Shelf	S-III	
S-173	Coupler, E Type, Guard Arm Lightener Hole Openings and Knuckle Flag Hole—Standard Dimensions	S-III	
S-174	Coupler, F Type, Guard Arm Lightener Hole Openings and Knuckle Flag Hole—Standard Dimensions	S-III	
S-176	Yoke, E Type, Cushioning, for Pocket EOC-7	S-III	
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CURRENT CIRCULAR LETTERS

DISCLAIMER

This table lists the Circular Letters that have been issued subsequent to the release of the MSRP specifications, standards, and recommended practices shown in MSRP-A1. This Index Tool is intended to improve accessability to the users. It is the responsibility of the user to ensure that individual MSRP sections reflect interim revisions inplemented via Circular Letter.

Click one of the links below to see the Circular Letters affecting that particular MSRP section.

MSRP-AS	MSRP-E2	MSRP-I	MSRP-K6
MSRP-B	MSRP-F	MSRP-J	MSRP-L
MSRP-C	MSRP-G	MSRP-K1	MSRP-M
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MSRP-C3	MSRP-H	MSRP-K3	MSRP-S
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Section AS Administrative Supplement (2014)

Doc Affected	Date	CL No.	Title
Book	6/17/2014	C-12193	Implementation of Revised AAR Manual of Standards and Recommended Practices Section AS, Administrative Standards Supplement

Section B—Couplers and Freight Car Draft Components (2012)

Doc Affected	Date	CL No.	Title
Book	11/01/2012	C-11797	Implementation of Revised AAR Manual of Standards and Recommended Practices Section B, Freight Car Draft Components
M-921C	1/16/2013	C-11875	Implementation of Revised AAR MSRP Section B,Freight Car Draft Components, Specification M-921C “Cushioning Devices, Reconditioned, Approved for Freight Service"
M-901B	2/21/2013	C-11898	Implementation of Editorial Revisions to MSRP Section B, Couplers and Freight Car Draft Components, Specification M-901B, Draft Gear, Secondhand and Reconditioned

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Section C—Car Construction—Fundamentals and Details (2014)

Doc Affected	Date	CL No.	Title
Book	8/12/2014	C-12233	Implementation of Revised MSRP Section C; Car Construction Fundamentals and Details, 2014

Section C, Part II—Specifications for Design, Fabrication, and Construction of Freight Cars, M-1001 (2011)

Doc Affected	Date	CL No.	Title
Book	4/13/2011	C-11417	Implementation of Revised AAR Manual of Standards and Recommended Practices Section C-II, Specifications for Design, Fabrication and Construction of Freight Cars (M-1001)
Chapter 4	2/28/2014	C-12109	Implementation of Editorial Modifications to MSRP Section C-II, M-1001, Design, Fabrication, and Construction of Freight Cars, Chapter 4: Design, Table 4.8
Chapter 6	5/21/2014	C-12169	Implementation of Addition to MSRP Section C-II, Design, Fabrication, and Construction of Freight Cars, Chapter 6: General Design and Test Requirements—Tank Cars, Section 6.1.2.7 Regarding Welding Requirement Changes for Center and Draft Sills

Section C, Part II, Volume 2—Appendices M-1001 (2001)

Doc Affected	Date	CL No.	Title
Book	11/1/06		This book was retired

Section C, Part III—Specifications for Tank Cars, M-1002 (2007) (page 1 of 3)

Doc Affected	Date	CL No.	Title
Book	09/19/2007	CPC-1181	Availability of New Issue of M-1002, Specifications for Tank Cars
Chapter 2	11/07/2007	CPC-1184	AAR Requirements for Tank Cars in Toxic Inhalation Hazard Commodity Service
Chapter 2	03/31/2008	CPC-1187	Change to the Implementation of the AAR Standard for Tank Cars Transporting Toxic Inhalation Hazard Commodities
Chapter 2 Appendix E	04/14/2010	CPC-1211	Suspension of the AAR Standard for Tank Cars Transporting Toxic Inhalation Hazard Commodities and Top fittings Protection for Certain Non-pressure Tank Cars
Chapter 2	04/15/2010	CPC-1213	Suspension of the AAR Standard for Tank Cars Transporting Toxic Inhalation Hazard Commodities and Top fittings Protection for Certain Non-pressure Tank Cars
Appendix B	09/01/2010	CPC-1216	Approved Exhibit B-2 (AAR Tank Car Committee Shop Evaluation) and Exhibit B-3 (Registration for Class F, G, and L Facilities)
Appendix M Appendix R Appendix W	3/16/2011	CPC-1224	Implementation of Revisions to Appendices R, W, M and Y of M-1002

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Section C, Part III—Specifications for Tank Cars, M-1002 (2007) (page 2 of 3)

Doc Affected	Date	CL No.	Title
Appendix M Appendix R Appendix W Appendix Y	03/17/2011	CPC-1225	Implementation of Revisions to Appendices R, W, M and Y of M-1002 (Pt. 2)
Chapter 2	8/31/2011	CPC-1232	Requirements for Cars Built for the Transportation of Packing Group I and II Materials with the Proper Shipping Names “Petroleum Crude Oil,” “Alcohols, n.o.s.” and “Ethanol and Gasoline Mixture”
Chapter 6 Appendix M	7/13/2012	CPC-1241	Changes to Appendix M and Chapter 6 of M-1002
Chapter 4	11/29/2012	CPC-1246	Removal and reservation of Chapter 4, Acceptability of Tank Containers and Tank Trailers from the AAR Manual of Standards and Recommended Practices, Section C, Part III, Specifications for Tank Cars (M-1002) (T101.600.27)
Appendix B	1/16/2013	CPC-1248	Removal of Class E Tank Car Facility from Appendix B of M-1002 (T91.21)
Appendix A	1/18/2013	CPC-1250	Implementation of Changes to Appendix A of M-1002
Appendix A	2/21/2013	CPC-1251	Implementation of Changes to Appendix A of M-1002
Appendix A Appendix B Appendix D Appendix L Appendix U Appendix W Appendix Y Chapter 1	10/9/2013	CPC-1260	Certification of Tank Car Facilities, Appendix B of AAR *Manual of Standards and Recommended Practices*, Section C Part III, Specifications for Tank Cars
Appendix B	1/17/2014	CPC-1261	Implementation of Revision to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Appendix B (T91.2.1)
Appendix B	1/31/2014	CPC-1262	Implementation of Revision to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Appendix B (T91.2.1)
Appendix B	3/11/2014	CPC-1275	Implementation of Revision to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Appendix B (T91.2.1)
Appendix B	4/11/2014	CPC-1276	Implementation of Revision to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Appendix B (T91.2.1)
Chapter 3	6/10/2014	CPC-1284	Implementation of Revisions to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Chapter 3
Chapter 5	6/10/2014	CPC-1285	Implementation of Revisions to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Chapter 5
Appendix U RP-263	6/10/2014	CPC-1286	Implementation of Revisions to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Appendix U
Appendix Y	6/10/2014	CPC-1287	Implementation of Revisions to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Appendix Y
Chapter 2	6/13/2014	CPC-1288	Implementation of Revisions to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Chapter 2
Appendix C	6/13/2014	CPC-1289	Implementation of Revisions to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Appendix C
Appendix D	6/13/2014	CPC-1290	Implementation of Revisions to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Appendix D

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Section C, Part III—Specifications for Tank Cars, M-1002 (2007) (page 3 of 3)

Doc Affected	Date	CL No.	Title
Appendix E	6/13/2014	CPC-1291	Implementation of Revisions to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Appendix E
Appendix T	6/13/2014	CPC-1292	Implementation of Revisions to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Appendix T
Appendix W	6/13/2014	CPC-1293	Implementation of Revisions to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Appendix W
Appendix R	6/13/2014	CPC-1294	Implementation of Revisions to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Appendix R
Appendix J	8/1/2014	CPC-1295	Implementation of Revisions to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Appendix J
Appendix S	8/14/2014	CPC-1297	Implementation of Revision to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Proposed Appendix S
Appendix A	9/24/2014	CPC-1308	Implementation of Revisions to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Proposed Appendix A
Appendix C	9/24/2014	CPC-1307	Implementation of Revisions to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Appendix C
Appendix E	9/24/2014	CPC-1306	Implementation of Revisions to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Appendix E
Appendix M	9/24/2014	CPC-1305	Implementation of Revisions to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Proposed Appendix M
Appendix R	9/24/2014	CPC-1304	Implementation of Revisions to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Appendix R
Chapter 1	9/24/2014	CPC-1303	Implementation of Revisions to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Chapter 1, including All Definitions of M-1002

Section D—Trucks and Truck Details (2010) (page 1 of 2)

Doc Affected	Date	CL No.	Title
Book	9/15/2010	C-11301	Implementation of Revised AAR Manual of Standards and Recommended Practices Section D, Trucks and Truck Details
S-305 S-306 S-307 S-308 RP-300 RP-301	7/14/2011	C-11472	Implementation of Revision to AAR MSRP Section D, Trucks and Truck Details: Center Plate Wear Liners and Application (S-306, S-307, and S-308). Removal from the MSRP of Standard S-305 and Recommended Practices RP-300 and RP-301
S-308	12/13/2011	C-11580	Implementation of Revisions to AAR MSRP Section D, Trucks and Truck Details: S-308 “Center Plate Wear Liner Application.”
M-976	2/29/2012	C-11625	Implementation of Revisions to MSRP Section D, Trucks and Truck Details, Specification M-976, Truck Performance for Railcars
RP-323	5/31/2012	C-11695	Implementation: Revisions to AAR Manual of Standards and Recommended Practices Section D, Trucks and Truck Details: RP-323, Stop Lugs for Clip-On-Type Pedestal Roof Liners—Application

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Section D—Trucks and Truck Details (2010) (page 2 of 2)

Doc Affected	Date	CL No.	Title
S-306 S-307 S-308	11/30/2012	C-11847	Implementation of Revisions to AAR MSRP Section D, Trucks and Truck Details: S-306 Center Bowl Vertical Wear Liner, S-307 Center Bowl Horizontal Wear Liner, and S-308 Center Bowl Wear Liner Application
M-976	2/21/2013	C-11899	Implementation of Editorial Revision to MSRP Section D, Trucks and Truck Details Specification M-976, Truck Performance for Railcars
M-948	8/28/2013	C-12001	Implementation of Revision to MSRP Section D, Trucks and Truck Details, Specification M-948 Truck Side Bearing
M-976	12/19/2013	C-12077	Editorial Modifications to MSRP Section D, Trucks and Truck Details, Specification M-976, Truck Performance for Rail Cars

Section E—Brakes and Brake Equipment (2014)

Doc Affected	Date	CL No.	Title
Book	2/24/2014	C-12103	Implementation of Revised AAR Manual of Standards and Recommended Practices Section E, Brakes and Brake Equipment

Section E, Part II—Electronically Controlled Brake Systems (2014)

Doc Affected	Date	CL No.	Title
Book	8/7/2014	C-12225	Implementation of Revised AAR MSRP Section E-II, Electronically Controlled Brake Systems

Section F—Sensors (2012) (page 1 of 2)

Doc Affected	Date	CL No.	Title
Book	10/26/2012	C-11795	2012 Edition of MSRP, Section F—Sensors Manual Now Available
S-920	11/30/2012	C-11848	Implement Revisions to MSRP Section F, Sensors, S-920: AAR Component Identification (CID) Bar Code Standard—New Field-Bearing Locking Plate Type
S-920	4/2/2013	C-11911	Implementation of Revisions and Additions to MSRP Section F, SENSORS Specification S-920; AAR Component Identification (CID) Bar Code Standard—Bolsters, Side Frames and Couplers
S-920	7/30/2013	C-11995	Implementation of Proposed Changes to MSRP Section F, Sensors Specification S-920; AAR Component Identification (CID) Bar Code Standard—Bolsters, Side Frames and Couplers
S-920	01/10/2014	C-12086	Editorial Revisions to MSRP Section F, Sensors, S-920, AAR Component Identification (CID) Bar Code Standard
S-6003 S-6004 S-6005	2/12/2014	C-12101	Implementation of Three (3) Data Summary Standards for THD, TADS® and RailBAM® into MSRP Section F—Sensors, Specifications S-6003, S-6004 and S-6005, respectively

Section F—Sensors (2012) (page 2 of 2)

Doc Affected	Date	CL No.	Title
S-920	5/23/2014	C-12179	Implementation of Proposed Changes to MSRP Section F, SENSORS Specification S-920; AAR Component Identification (CID) Bar Code Standard – Emergency and Service Portion of Brake Valves
S-6100	6/2/2014	C-12184	Implementation of New Standard for the AAR Manual of Standards and Recommended Practices, Section F, Sensors: S-6100, AAR Wayside Detector Data Processing Standard

Section G—Wheels and Axles (2013)

Doc Affected	Date	CL No.	Title
Book	05/14/2013	C-11940	Implementation of Revised AAR MSRP Section G, Wheels and Axles
S-630	7/16/2013	C-11986	Implementation—Editorial Revision to MSRP Section G, Wheels and Axles, S-630, Wheel Gauge
M-107/M-208	9/23/2013	C-12018	Implementation—Editorial Revision to MSRP Section G, Wheels and Axles, Specification M-107/M-208, Ultrasonic Calibration Interval
M-101 M-107/M-208	1/21/2014	C-12090	Implementation—Editorial Revision to MSRP Section G, Wheels and Axles, Specifications M-101 and M-107/M-208, Wheel and Axle Manufacturers
M-101	2/24/2014	C-12104	Implementation – Editorial Revision to MSRP Section G, Wheels and Axles, Specifications M-101 and Section G, Part II, Wheel and Axle Shop Manual, RP-633, Axle Manufacturers

Section G, Part II—Wheel and Axle (Shop) Manual (2012) (page 1 of 3)

Doc Affected	Date	CL No.	Title
Book	2/23/2012	C-11622	Implementation of Revised AAR Manual of Standards and Recommended Practices Section G, Part II, Wheel and Axle Manual
S-659 RP-631 RP-633	4/20/2012	C-11653	Implementation of Editorial Revisions to AAR Manual of Standards and Recommended Practices Section G, Part II, Wheel And Axle Manual, Barcodes and Corrections
S-659 RP-633	5/17/2012	C-11668	Implementation of Editorial Revisions to AAR Manual of Standards and Recommended Practices Section G, Part II, Wheel and Axle Manual, References and Axle Finish
RP-633	7/17/2012	C-11736	Implementation of Editorial Revisions to AAR Manual of Standards and Recommended Practices Section G, Part II, Wheel and Axle Manual
S-659	8/7/2012	C-11750	Revision to MSRP Section G, Part II, Wheel and Axle Manual, S-659, Converted Axles
RP-632 RP-633	8/7/2012	C-11751	Implementation—Editorial Revision to MSRP Section G, Wheels and Axles, Specifications M-101 and M-107/M-208 and Section G, Part II, Wheel and Axle Manual, RP-632 and RP-633

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Section G, Part II—Wheel and Axle (Shop) Manual (2012) (page 2 of 3)

Doc Affected	Date	CL No.	Title
RP-632	8/17/2012	C-11772	Implementation—Editorial Revision to MSRP Section G, Wheels and Axles, Specification M-107/M-208 and Section G, Part II, Wheel and Axle Manual, RP-632
S-659	8/31/2012	C-11776	Implement Revisions to MSRP Section G, Part II, Wheel and Axle Manual, S-659, and Section H, Part II, Roller Bearing Manual, S-723, Bearing Assembly
S-659 RP-631	11/15/2012	C-11801	Implement Revisions to MSRP Section G, Part II, Wheel and Axle Manual, S-659 and RP-631 Axle Inspection
S-659	11/15/2012	C-11805	Implement Editorial Revisions to MSRP Section G, Part II, Wheel and Axle Manual, S-659 Wheel Mounting
RP-633 S-659	11/15/2012	C-11808	Implement Revisions to MSRP Section G, Part II, Wheel and Axle Manual, S-659, and Section H, Journal Bearings and Lubrication, S-701 Locking Plates
RP-632	11/15/2012	C-11809	Implementation—Editorial Revision to MSRP Section G, Wheels and Axles, Specification M-101, Specification M-107/M-208, and Section G Part II, Wheel and Axle Shop Manual, RP-632
S-659	3/12/2013	C-11904	Implement Revisions to MSRP Section G, Part II, Wheel and Axle Manual, S-659, Rule 1.4.7.4 Maanshan Wheels That Must Not Be Returned to Service
S-659	3/12/2013	C-11905	Implement Revisions to MSRP Section G, Part II, Wheel and Axle Manual, S-659, Dust Guard Repair
RP-633	4/26/2013	C-11918	Implementation—Editorial Revision to MSRP Section G, Wheels and Axles, Specification M-101, and Section G Part II, Wheel and Axle Shop Manual, RP-633
S-659	6/7/2013	C-11959	Implement Revisions to MSRP Section G, Part II, Wheel and Axle Manual, S-659, 1.2.9, Undercut Defect Gage
RP-632	8/29/2013	C-12009	Implement Editorial Revisions to MSRP Section G, Part II, Wheel and Axle Manual, RP-632, Handling Wheel Sets
RP-632	9/20/2013	C-12017	Implement Editorial Revisions to MSRP Section G, Part II, Wheel and Axle Manual, RP-632, Protecting Wheel Sets
S-659	10/24/2013	C-12024	Implementation of Revisions to MSRP Section G, Part II, Wheel and Axle Shop Manual, S-659, Axle End Facing
RP-631 RP-633 RP-634	10/24/2013	C-12025	Implementation of Editorial Revisions to MSRP Section G, Part II, Wheel and Axle Shop Manual, RP-631, RP-633, and RP-634
S-659	1/9/2014	C-12085	Implement Revision to MSRP Section G, Part II, Wheel and Axle Manual, S-659, Axle Repairs
RP-633 RP-634 S-659	1/21/2014	C-12088	Implementation of Editorial Revisions to MSRP Section G, Part II, Wheel and Axle Shop Manual, RP-634, Journal length Gage
S-659 RP-633	1/21/2014	C-12089	Implementation of Revisions to MSRP Section G, Part II, Wheel and Axle Shop Manual, S-659, Axle End Facing
S-659	1/22/2014	C-12091	Implementation of Revisions to MSRP Section G, Part II, Wheel and Axle Shop Manual, S-659
RP-633	2/24/2014	C-12104	Implementation – Editorial Revision to MSRP Section G, Wheels and Axles, Specifications M-101 and Section G, Part II, Wheel and Axle Shop Manual, RP-633, Axle Manufacturers

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Section G, Part II—Wheel and Axle (Shop) Manual (2012) (page 3 of 3)

Doc Affected	Date	CL No.	Title
S-659	3/27/2014	C-12132	Implementation of Editorial Revision to MSRP Section G, Part II, Wheel and Axle Manual, S-659, Axle Repairs
S-659	6/9/2014	C-12189	Implementation of Revisions to MSRP Section G, Part II, Wheel And Axle Shop Manual, S-659 Secondhand Axle Radial UT
S-659	6/23/2014	C-12195	Editorial Correction to Implementation of Revisions to MSRP Section G, Part II, Wheel and Axle Shop ManuaL, S-659 Secondhand Axle Radial UT

Section H—Journal Bearings and Lubrication (2012) (page 1 of 2)

Doc Affected	Date	CL No.	Title
Book	1/20/2012	C-11587	Implementation of Revised AAR MSRP Section H, Journal Bearings and Lubrication
M-934	1/24/2012	C-11597	Revisions to MSRP Section G, Section G, Part II, Section H, and Section H, Part II to Reference the CEPM Barcoding Requirements
frontmatter	1/24/2012	C-11598	Implement Editorial Revision to MSRP Sections G, G-II, H, H-II to Reference Requirement for Section L Manual
M-942	2/23/2012	C-11620	Implementation of Editorial Revision to AAR Manual of Standards and Recommended Practices Section H, Journal Bearings and Lubrication, M-942 Grease Seal Matrix
M-934	3/26/2012	C-11644	Implementation Editorial Revisions to AAR Manual of Standards and Recommended Practices Section H, Journal Bearings and Lubrication, Appendix C, Backing Rings
M-942	3/26/2012	C-11646	Implementation of Editorial Revision to AAR Manual of Standards and Recommended Practices Section H, Journal Bearings and Lubrication, M-942 Grease Seal Matrix
S-701A	11/15/2012	C-11808	Implement Revisions to MSRP Section G, Part II, Wheel and Axle Manual, S-659, and Section H, Journal Bearings and Lubrication, S-701 Locking Plates
M-934	11/15/2012	C-11811	Implementation of Editorial Revision to AAR Manual of Standards and Recommended Practices Section H, Journal Bearings and Lubrication, M-934, Locking Plates
M-942	01/10/13	C-11869	1/10/2013C-11869Implementation of Editorial Revision to AAR Manual of Standards and Recommended Practices Section H, Journal Bearings and Lubrication, M-942 Grease Seal Matrix
M-942 M-934	8/29/2013	C-12008	Implementation of Editorial Revisions to AAR Manual of Standards and Recommended Practices Section H, Journal Bearings And Lubrication and Section H, Part II, Roller Bearing Manual, S-723, Maintenance Sheets
M-924	10/24/2013	C-12023	Implementation of a Revision to AAR Manual of Standards and Recommended Practices Section H, Journal Bearings and Lubrication, M-924, Adapter Hardness
M-942	11/19/2013	C-12052	Implementation of Editorial Revisions to AAR Manual of Standards and Recommended Practices Section H, Journal Bearings and Lubrication and Section H, Part II, Roller Bearing Manual, S-725, Brenco Seals

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Section H—Journal Bearings and Lubrication (2012) (page 2 of 2)

Doc Affected	Date	CL No.	Title
M-934	12/18/2013	C-12068	Implementation of Editorial Revision to AAR Manual of Standards and Recommended Practices Section H, Journal Bearings and Lubrication, M-934, Freight Car Journal Roller Bearings
M-924	2/24/2014	C-12105	Implementation of Revisions to AAR Manual of Standards and Recommended Practices Section H, Journal Bearings and Lubrication, M-924, Journal Roller Bearing Adapters for Freight Cars
M-924	3/3/2014	C-12119	Implementation of Revisions to AAR Manual of Standards and Recommended Practices Section H, Journal Bearings and Lubrication, M-924, Journal Roller Bearing Adapters for Freight Cars
M-942	9/26/2014	C-12244	Implementation of Editorial Revision to AAR Manual of Standards and Recommended Practices Section H, Journal Bearings and Lubrication, M-942 Grease Seal Matrix

Section H, Part II—Roller Bearing (Shop) Manual (2012)

Doc Affected	Date	CL No.	Title
Book	11/30/2012	C-11845	Implementation of AAR Manual of Standards and Recommended Practices Section H, Part II, Roller Bearing Manual
S-723	6/7/2013	C-11960	Implementation of Editorial Revisions to AAR Manual of Standards and Recommended Practices Section H, Part II, Roller Bearing Manual, S-723, Maintenance Sheets
S-723	7/16/2013	C-11987	Implementation of Editorial Revisions to AAR Manual of Standards and Recommended Practices Section H, Part II, Roller Bearing Manual, S-723, Maintenance Sheets
S-721	8/29/2013	C-12007	Implementation of Revisions to AAR Manual of Standards and Recommended Practices Section H, Part II, Roller Bearing Manual, S-721 Spall Repairs
S-723	8/29/2013	C-12008	Implementation of Editorial Revisions to AAR Manual of Standards and Recommended Practices Section H, Journal Bearings And Lubrication and Section H, Part II, Roller Bearing Manual, S-723, Maintenance Sheets
S-725	11/19/2013	C-12052	Implementation of Editorial Revisions to AAR Manual of Standards and Recommended Practices Section H, Journal Bearings and Lubrication and Section H, Part II, Roller Bearing Manual, S-725, Brenco Seals
S-725	11/21/2013	C-12054	Implementation of Editorial Revisions to AAR Manual of Standards and Recommended Practices Section H, Part II, Roller Bearing Manual, S-725, Brenco Seals

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Section H, Part III—Lubrication (Shop) Manual (2011)

Doc Affected	Date	CL No.	Title
Book	11/07/2011	C-11552	Implementation of Revised AAR Manual of Standards and Recommended Practices Section H-III, Lubrication Manual
S-730 S-732	2/21/2013	C-11896	Implementation of Editorial Revisions to MSRP Section H-III, Lubrication Manual, Rule 5, Trailer Hitch Figures 5.4, 5.7, 5.8 and 5.

Section I—Intermodal Equipment Manual (2013)

Doc Affected	Date	CL No.	Title
Book	12/12/2013	C-12065	Implementation of Revised AAR Manual of Standards and Recommended Practices Section I, Intermodal Equipment Manual
M-998	4/17/2014	C-12144	Implementation of Revision to Specification M-998, Intermodal Container Support and Interbox Connector (IBC) Securement Systems for Freight Cars.
M-930	6/18/2014	C-12194	Implementation of MSRP Section I, Intermodal Equipment Manual, Specification M-930, Containers For Domestic Intermodal Service, with New Appendix D for Flat Rack and Platform Flat Racks
RP-899	8/7/2014	C-12224	Implementation: Revisions to AAR Manual of Standards and Recommended Practices Section I, Intermodal Equipment Manual, RP-899, Car Owner's Manual for the Inspection and Maintenance of Double-Stack Container Cars

Section J—Specification for Quality Assurance, M-1003 (2014)

Doc Affected	Date	CL No.	Title
Book	8/7/2014	C-12223	Implementation of Revised AAR Manual of Standards and Recommended Practices Section J, Specification M-1003.

Section K, Part I—Railway Electronics Systems Architecture and Concepts of Operation (2014)

Doc Affected	Date	CL No.	Title
Book	8/1/2014	C-12211	New Release of Railway Electronics Standards Sections K-I through K-VI
S-9053	8/8/2014	C-12229	Implementation of New AAR Manual of Standards and Recommended Practices (MSRP), Section K-I Railway Electronics Systems Architecture and Concepts of Operations, S-9053 Positive Train Control ITC System Requirements–Level 0
S-9054	8/8/2014	C-12230	Implementation of New AAR Manual of Standards and Recommended Practices (MSRP), Section K-I Railway Electronics Systems Architecture and Concepts of Operations, S-9054 Positive Train Control ITC System Requirements–Level 1

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Section K, Part II—Locomotive Electronics and Train Consist System Architecture (2014)

Doc Affected	Date	CL No.	Title
Book	8/1/2014	C-12211	New Release of Railway Electronics Standards Sections K-I through K-VI

Section K, Part III—Wayside Electronics and Mobile Worker Communications Architecture (2014)

Doc Affected	Date	CL No.	Title
Book	8/1/2014	C-12211	New Release of Railway Electronics Standards Sections K-I through K-VI

Section K, Part IV—Office Architecture and Railroad Electronics Messaging (2014)

Doc Affected	Date	CL No.	Title
Book	8/1/2014	C-12211	New Release of Railway Electronics Standards Sections K-I through K-VI

Section K, Part V—Electronics Environmental Requirements and System Management (2014)

Doc Affected	Date	CL No.	Title
Book	8/1/2014	C-12211	New Release of Railway Electronics Standards Sections K-I through K-VI

Section K, Part VI—Railway Electronics Data Management and Communications (2014)

Doc Affected	Date	CL No.	Title
Book	8/1/2014	C-12211	New Release of Railway Electronics Standards Sections K-I through K-VI

Section L—Lettering and Marking of Cars (2003) (page 1 of 2)

Doc Affected	Date	CL No.	Title
Book	12/19/2003	C-9774	Availability of 2003 Edition of Section L of the AAR Manual of Standards and Recommended Practices to Members and Private Car Owners
RP-021	10/29/2004	C-9935	Implementation of Equipment Identification and Warranty Administration (document moved from Section A-II)
S-910	8/12/2005	C-10148	Empty Car Center of Gravity Requirements for Center Beam Cars

Section L—Lettering and Marking of Cars (2003) (page 2 of 2)

Doc Affected	Date	CL No.	Title
S-910	11/15/2005	C-10211	Implementation of Revisions to AAR Standard S-910: Retroreflective Sheeting
M-947	2/13/2009	C-10940	Implementation of Editorial Revision to AAR Manual of Standards and Recommended Practices Section L, Specification M-947 "Adhesive-Backed Films"
S-910	2/13/2009	C-10941	Implementation of Modifications to AAR Manual of Standards and Recommended Practices Section L, “Lettering and Marking of Cars,” Appendix B
S-920	12/13/2011	C-11579	Implementation—Revision to MSRP Section L, Lettering and Marking of Cars, S-920, AAR Component Identification (CID) Bar Code Standard
S-920	1/20/2012	C-11596	Editorial Revision to MSRP Section L, Lettering and Marking of Cars, S-920, AAR Component Identification (CID) Bar Code Standard
S-920	3/26/2012	C-11643	Editorial Revision to MSRP Section L, Lettering and Marking of Cars, S-920, AAR Component Identification (CID) Bar Code Standard
S-920	4/20/2012	C-11654	Editorial Revision to MSRP Section L, Lettering and Marking of Cars, S-920, AAR Component Identification (CID) Bar Code Standard
S-920	7/2/2012	C-11727	Relocation of AAR Standard S-920 from MSRP Section L to MSRP Section F, Sensors, and Realignment of Responsibility for AAR MSRP Section F to the Equipment Health Monitoring Committee

Section M—Locomotives and Locomotive Interchange Equipment (2008) (page 1 of 2)

Doc Affected	Date	CL No.	Title
Book	03/29/2008	C-10713	New Release of Manual of Standards and Recommended Practices, Section M: Locomotives & Locomotive Interchange Equipment
S-5529	11/14/2008	C-10870	Editorial Changes to Standard S-5529 Multiple Unit Pneumatic Brake Equipment for Locomotives
S-5512	2/25/2010	C-11178	Implementation of Revised AAR Manual of Standards and Recommended Practices (MSRP), Section M, Locomotives and Locomotive Interchange Equipment, S-5512 Locomotive Event Recorder Download Standard
S-591	2/25/2010	C-11177	Implementation of Revised AAR Manual of Standards and Recommended Practices (MSRP), Section M, Locomotives and Locomotive Interchange Equipment, S-591 Locomotive System Integration Operating Display
S-5509	04/14/2010	C-11206	Subject: Revisions to AAR Standard S-5509: Locomotive Dynamic Brake Status Reporting
S-5502	3/23/2011	C-11404	Implementation of Revisions to MSRP, Section M, Automatic Engine Start/Stop System, Standard S-5502

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Section M—Locomotives and Locomotive Interchange Equipment (2008) (page 2 of 2)

Doc Affected	Date	CL No.	Title
S-5514	10/25/2011	C-11536	Implementation—New Standard for the AAR Manual of Standards and Recommended Practices, Section M Locomotives and Locomotive Interchange Equipment, S-5514 Locomotive Operator Control Symbols
S-5515	2/29/2012	C-11628	Implementation of New Standard for the AAR Manual of Standards and Recommended Practices, Section M, Locomotives and Locomotive Interchange Equipment: S-5515 LED Lighting Standard for Locomotives
S-5520	8/23/2012	C-11773	Implementation of New Standard for the AAR Manual of Standards and Recommended Practices, Section M, Locomotives and Locomotive Interchange Equipment: S-5520 Locomotive Cab Securement
S-5019	8/28/2013	C-12006	Implementation of New Standard for the AAR Manual of Standards and Recommended Practices, Section M, Locomotives and Locomotive Interchange Equipment: S-5019, Locomotive Definitions
S-5511	11/26/2013	C-12061	Retirement of MSRP Section M, Standard S-5511- Locomotive-Based Top-of-Rail Friction Control Application Systems
S-5520	6/3/2014	C-12186	Implementation of Revisions to MSRP SECTION M, Locomotives and Locomotive Interchange Equipment: Standard S-5520 “Locomotive Cab Securement”

Section N—Multi-Level Manual (2012)

Doc Affected	Date	CL No.	Title
Book	2/4/2012	C-11614	2012 Edition of MSRP Section N
M-950	7/17/2012	C-11739	Revision to M-950 Regarding Deck Height Clearance Measurements and Stenciling.
S-810	2/24/2014	C-12106	Implementation of Revisions to S-810, Section N
M-950 M-950A	4/15/2014	C-12143	Implementation of Changes to M-950-09, M-950-A-09 and M-950-A, Regarding Deck Height Clearances on Bi-Levels and Tri-Levels.
M-950 M-950A	5/30/2014	C-12182	Implementation of Changes to M-950 and M-950-A, Regarding Galvanized Side Panel Finish on Multi-Levels.
M-950 M-950A	6/23/2014	C-12198	Implementation of Changes to M-950 and M-950-A, Regarding the Application of "Low Profile" Chocks.

Section S, Part I—Castings (2010) (page 1 of 2)

Doc Affected	Date	CL No.	Title
Book	10/25/10	C-11320	Implementation of Revised AAR Manual of Standards and Recommended Practices Section S, Casting Details
M-203	2/16/2011	C-11382	Implementation of Editorial Revision to MSRP Section S, Casting Details, Specification M-203, Truck Side Frames, Cast Steel—Design and Testing

Section S, Part I—Castings (2010) (page 2 of 2)

Doc Affected	Date	CL No.	Title
M-212	3/25/2011	C-11405	Implementation—Revisions to AAR Manual of Standards and Recommended Practices Section S, Casting Details, Specification M-212, Couplers and Yokes, Secondhand—Classification and Reconditioning Procedure
M-212	11/18/2011	C-11557	Implementation—Editorial Revision to AAR Manual of Standards and Recommended Practices Section S, Casting Details, M-212, Couplers and Yokes, Secondhand—Classification and Reconditioning Procedure
M-204	11/30/2011	C-11564	Implementation—New Specification for the AAR Manual of Standards and Recommended Practices Section S, Casting Details: M-204, Truck, Freight Car, with Car Body/Side Frame Load Path—Design and Testing
M-203	12/16/2011	C-11583	Implementation of an Editorial Revision to AAR MSRP Section S, Casting Details: M-203 “Truck Side Frames, Cast Steel—Design and Testing.”
M-211	1/20/2012	C-11591	Implementation of Editorial Revision to AAR MSRP Section S, Casting Details: M-211 “Foundry Approval Requirements for the Manufacture of Couplers, Coupler Yokes, Knuckles, Follower Blocks, and Coupler Parts.”
M-211	1/24/2012	C-11591	Implementation of Editorial Revision to AAR MSRP Section S, Casting Details: M-211 “Foundry Approval Requirements for the Manufacture of Couplers, Coupler Yokes, Knuckles, Follower Blocks, and Coupler Parts.”
M-211	5/25/2012	C-11687	Revisions to MSRP Section S, Casting Details and Section B, Couplers and Freight Car Draft Components, M-211 and S-119 Draft Gear Followers
M-220	12/11/2012	C-11857	Implementation of Editorial Revision to AAR MSRP Section S, Casting Details: M-220 Casting Component Nondestructive Testing Requirements
M-210 M-211 M-212 M-214 M-215	7/23/2013	C-11991	Implementation of Revisions to MSRP SECTION S, CASTING DETAILS: Addition of CEPM barcode requirements, and other changes, to Specifications M-210, M-211, M-212, M-214, and M-215 (Side Frames, Bolsters, Couplers, New, Reconditioned, and Secondhand).
M-201 M-211	7/29/2013	C-11994	Implementation of revisions to MSRP Section S, Casting Details, Specifications M-201 Steel Castings, and M-211 Foundry and Product Approval Requirements for the Manufacture of Couplers, Coupler Yokes, Knuckles, Follower Blocks, and Coupler Parts

Section S, Part II—Truck Dimensions (2010) (page 1 of 2)

Doc Affected	Date	CL No.	Title
Book	10/25/10	C-11321	Implementation of Revised AAR Manual of Standards and Recommended Practices Section S, Part II, Truck Details and Casting Codes

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Section S, Part II—Truck Dimensions (2010) (page 2 of 2)

Doc Affected	Date	CL No.	Title
S-327	6/1/2012	C-11694	Implementation—Revision to AAR Manual of Standards and Recommended Practices Section S Part II, Trucks Details and Casting Codes, S-327, Side Frame—Roof Repair
S-327	7/2/2012	C-11735	Implementation—Revision to AAR Manual of Standards and Recommended Practices Section S Part II, Trucks Details and Casting Codes: S-327, Side Frame—Roof Repair
S-392	8/29/2014	C-12238	Implementation of Editorial Revision to MSRP Section S-II, Truck Details and Casting Codes, Standard S-392, Truck—Design Drawings

Section S, Part III—Coupler and Yoke Dimensions (2011)

Doc Affected	Date	CL No.	Title
Book	9/9/2011	C-11504	Implementation of Revised AAR Manual of Standards and Recommended Practices Section S-III, Coupler and Yoke Details. Implementation of Editorial Revisions to S-178, S-179, and S-180, F-Type Cushioning Unit Yokes

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