



Thomas E. DeLafosse
 Vice President
 Salco Products
 Engineering and Technical Services
 1385 101st Street, Suite A
 Lemont, IL 60439
 630.512.7595
 Tom_delafosse@salcoproducts.com

To: Distribution List
Subject: April 2017 AAR Circular Letter Summary

The April 2017 summary includes the (14) circular letters issued during the month.

This document provides a summary of each Association of American Railroads (“AAR”) circular letter issued during the previous month. A circular letter provides information of general applicability to the railroad industry, including proposed and final rules, standards, and recommended practices. Circulars are a fee-based service provided by AAR’s Transportation Technology Center, Incorporated (“TTCI”) located in Pueblo, Colorado. You may sign up to receive AAR circular letters online. If you need further assistance with access to circulars, please send any future questions and issues to Pubs@aar.com.

The Field Manual of the AAR Interchange Rules, Rule 1, b. (11), requires maintaining a copy of each “*mandatory circular letter*” that revises an “*Interchange Rule*” or the “*Manual of Standards and Recommended Practices.*” For your convenience, this document identifies mandatory circular letters. For those circulars that propose or implement final changes to an existing rule, standard, or recommended practice, this document provides an impact statement to car owners, lessors, mechanical shops, and railroad operations.

The following matrix identifies the AAR circular letter number, a summary of the circular, any effective date of a rule, standard, or recommended practice, any comment due date, an impact statement, and to the extent it applies, if the circular letter is mandatory.

If you have any questions, please contact Tom DeLafosse at 630.512.7595 or tom_delafosse@salcoproducts.com.

Circular No.	Subject and Summary	Impact Statement
C-12852 Apr. 3, 2017	<p>Subject: New class registrations are open for 2017 AAR M-1003 Quality Assurance training courses: Root Cause Analysis Class, Basic Auditor Training Class, and the Advanced Auditor Training Class.</p> <p>Summary: The Association of American Railroads (AAR) Quality Assurance Committee has scheduled the following Quality Assurance Training classes. Interested parties are encouraged to enroll promptly as classes tend to fill quickly and acceptance is based on a first-come first-served basis.</p> <p>Implementation Date: Questions should be directed to Mr. Don Guillen, Manager of the Quality Assurance Committee at don_guillen@aar.com or Mr. Miles Lucero, Quality Assurance Specialist at miles_lucero@aar.com.</p>	<p>Car Type: Industry Information</p> <p>Car Owner: Possibly</p> <p>Repair Shop: Possibly</p> <p>Comments: See circular for class location, dates and costs.</p>
C-12853 Apr. 3, 2017	<p>Subject: Implementation of Revision to MSRP Section H-II, Roller Bearing Manual, S-723, Seal Wear Ring.</p>	<p>Car Type: Freight</p> <p>Car Owner: No</p>

Circular No.	Subject and Summary	Impact Statement
	<p>Summary: The proposed modifications require inspection of roller bearing seal wear rings to be sure the nose face is parallel to the opposite face within the prescribed limit. The seal wear rings that fail the inspection must be ground to correct the condition and the faces restored to parallel. A chamfer must be re-applied. Comments were reviewed with the appropriate parties and S-723 was modified accordingly.</p> <p>Implementation Date: The revised S-723 is now implemented and effective immediately. All facilities must be compliant by January 1, 2018. This modification will be incorporated in the next issue of the Manual of Standards and Recommended Practices, Section H-II.</p>	<p>Repair Shop: Yes</p> <p>Comments: If Section H-II is a required publication for your facility, be sure to print the revised S-723 and replace it in your manual.</p>
C-12854 Apr. 7, 2017	<p>Subject: Solicitation of comments - Revision to MSRP Section F, Standard S-6009 - Data Summary - Automatic Equipment Identification (AEI).</p> <p>Summary: This Circular Letter is intended to solicit comments for revisions proposed for Section F, Standard S-6009 - Data Summary - Automatic Equipment Identification (AEI).</p> <p>Implementation Date: All comments received within 30 days of issuance of this Circular will be considered by the EHMC prior to final action on the proposed revisions.</p>	<p>Car Type: Freight</p> <p>Car Owner: No</p> <p>Repair Shop: Possibly</p> <p>Comments: The Equipment Health Monitoring Committee has proposed revisions to S-6009 regarding auto-close logic and auto-close display text. The proposed changes are in the attachment to this circular.</p>
CPC-1325 Apr. 7, 2017	<p>Subject: Final Action, Revision to MSRP Section C Part III, M-1002, Specifications for Tank Cars, Chapter 2.</p> <p>Summary: This is the final action on revisions affecting Chapter 2 of the AAR Manual of Standards and Recommended Practices (MSRP), Section C, Part III, Specifications for Tank Cars (M-1002). These revisions address requirements for free interchange tank cars used for the transportation of materials toxic-by-inhalation ("TIH") products.</p> <p>Implementation Date: If Section C-III is a required publication for your location, be sure to update Chapter 2 with the attachment to this circular.</p>	<p>Car Type: Tank</p> <p>Car Owner: Yes</p> <p>Repair Shop: No</p> <p>Comments: This action addresses the timeframe for requiring the transportation of TIH material in the package specified in 49 CFR 179.102-3 for cars marked "DOT" and in TP-14877, paragraph 10.5.1.2, for cars marked "TC." This activity will supersede CPC-1187 dated March 31, 2008.</p>
C-12855 Apr. 10, 2017	<p>Subject: Implementation of Revised AAR Manual of Standards and Recommended Practices Section N, Multi-Level Manual.</p> <p>Summary: The Association of American Railroads Specially Equipped Freight Car Committee is pleased to announce a new edition of the Manual of Standards and Recommended Practices, Section N, Multi-Level Manual.</p>	<p>Car Type: Auto Racks</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: If Section N is a required publication for your location, be sure to purchase a copy of the new edition and update your master Document List.</p>

Circular No.	Subject and Summary	Impact Statement
	<p>Implementation Date: The AAR Manual of Standards and Recommended Practices Section N, Multi-Level Manual, is now implemented effective immediately.</p>	
<p>C-12856 Apr. 10, 2017</p>	<p>Subject: Solicitation of Comments on Proposed Change to Rule B-1, General Rules, Circular No. 43-F, Rules Governing the Loading, Blocking, and Bracing of Freight in Closed Trailers and Containers for TOFC/COFC Service (DP&FC).</p> <p>Summary: The AAR's Damage Prevention & Freight Claim Committee (DP&FC) has approved changes to Rule B-1, General Rules, Circular No. 43-F, Rules Governing the Loading, Blocking, and Bracing of Freight in Closed Trailers and Containers for TOFC/COFC Service. Proposed is the addition of item D under B-1, General Rules.</p> <p>Implementation Date: All comments received within 30 days of the issuance of this circular will be considered by the DP&FC.</p>	<p>Car Type: Freight</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: The wording for item D is included within this circular.</p>
<p>C-12857 Apr. 11, 2017</p>	<p>Subject: Implementation of revision to MSRP Section F, Standard S-6020 - Data Summary - Line of Road Failure - No Cause Found (LORF-NCF).</p> <p>Summary: The purpose of this Circular is to notify the industry of the implementation of revisions proposed for Section F, Standard 6020 - Data Summary - Line of Road Failure - No Cause Found (LORF-NCF). No comments were received during the 30 day comment period and the revisions are being implemented as proposed in Circular Letter C-12841.</p> <p>Implementation Date: The revisions to S-6020 are now implemented and effective immediately. The modifications will be incorporated in the next issue of the Manual of Standards and Recommended Practices, Section F.</p>	<p>Car Type: Freight</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: If Section F is a required publication for your location, be sure to download the attachment to this circular and insert it into your copy of Section F.</p>
<p>C-12858 Apr. 14, 2017</p>	<p>Subject: Save the Date for the 2018 AAR Quality Assurance Auditor and Industry Conference.</p> <p>Summary: The Association of American Railroads (AAR) Quality Assurance Committee (QAC) is pleased to announce that the 30th Annual AAR Quality Assurance Auditor and Industry Conference will be held the week of January 22, 2018 in Fort Worth, Texas.</p> <p>Implementation Date: Mark your calendar and plan to join us in Fort Worth, Texas for the 30th Annual AAR Quality Assurance Auditor and Industry Conference. Additional information regarding registration is forthcoming.</p>	<p>Car Type: Industry Information</p> <p>Car Owner: Possible</p> <p>Repair Shop: Yes</p> <p>Comments: Like past QA Conferences, the first two days (Tuesday and Wednesday) are open to all attendees. The third day (Thursday) will consist of two separate sessions. One session is the typical private session for AAR Auditor-specific training and evaluations. The other session is new in 2018 and will include quality-assurance workshops open to any conference attendee</p>

Circular No.	Subject and Summary	Impact Statement
<p>C-12859 Apr. 21, 2017</p>	<p>Subject: Solicitation of Comments for Revisions to MSRP Section S, Casting Details, Specifications M-201, M-210, and M-211, regarding MSRP compliance (supplemental) checklists.</p> <p>Summary: The purpose of this circular letter is to solicit comments for proposed revisions to MSRP Section S, Casting Details, Specifications M-201, M-210, and M-211, for inclusion of MSRP compliance (supplemental) checklists as appendices.</p> <p>Implementation Date: All comments received within 30 days of the issuance of this circular will be considered by the CSTCC prior to taking action on the revisions which are the subject of the comments.</p>	<p>Car Type: Freight</p> <p>Car Owner: No</p> <p>Repair Shop: Yes, if you hold certification in these components.</p> <p>Comments: The AAR Coupling System and Truck Castings Committee updated the checklists related to M-201, M-210, and M-211 and included them as appendices in the corresponding specifications as follows. M-201: Appendix B, M-210: Appendix D, M-211: Appendix J. Drafts of each specification are attached to this circular</p>
<p>C-12860 Apr. 21, 2017</p>	<p>Subject: Solicitation of Comments for Revisions to MSRP Section S-II, Truck Details and Casting Codes, Standard S-392, Truck – Design Drawings, update to Code Sheets and Drawings.</p> <p>Summary: The purpose of this circular letter is to solicit comments on proposed revisions to MSRP Section S-II, Truck Details and Casting Codes, Standard S-392, Truck – Design Drawings, regarding updates to code sheets and drawings for Standard Car Truck castings.</p> <p>Implementation Date: All comments received within 30 days of the issuance of this circular will be considered by the CSTCC prior to taking action on the revisions which are the subject of the comments.</p>	<p>Car Type: Freight</p> <p>Car Owner: No</p> <p>Repair Shop: Yes</p> <p>Comments: The Coupling System and Truck Castings Committee is proposing revisions to code sheets and new corresponding drawings for Standard Car Truck castings as summarized below. Updated code sheets EC-3034 and EC-3038. Updated the list of figures in section 8.0. Added three corresponding figures.</p>
<p>C-12861 Apr. 26, 2017</p>	<p>Subject: Solicitation of Comments on Revisions to MSRP Section C, Standard S-2044, Safety Appliance Requirements for Freight Cars.</p> <p>Summary: The following additional appendices have been developed by the AAR Safety Appliance Task Force and approved by the Equipment Engineering Committee. Appendix F4 Safety Appliances for Side-Dump Cars, and Appendix J1 Safety Appliances for Rail-Compatible Vehicles.</p> <p>Implementation Date: All comments received within 30 days of the issuance of this circular will be considered by the Safety Appliance Task Force, and appropriate revisions, if any, will be made to Standard S-2044. Once any revisions made as a result of comments submitted in response to this circular are completed, the revised Standard S-2044 will be submitted in an AAR petition to the FRA for adoption in accordance with the procedure outlined in the FRA’s Rulemaking published April 28, 2011, in the Federal Register.</p>	<p>Car Type: Freight</p> <p>Car Owner: Yes</p> <p>Repair Shop: Yes</p> <p>Comments: Attached to this circular is a copy of Standard S-2044 as implemented on April 20, 2016 with the proposed revisions included and highlighted with change bars.</p>

Circular No.	Subject and Summary	Impact Statement
<p>C-12862 Apr. 26, 2017</p>	<p>Subject: Solicitation of comments to Figure 34-A Coils of Rod or Bar – Gondolas. – Section 2 AAR Open Top Loading Rules Manual (OTLR).</p> <p>Summary: The OTLRC requests comments from the industry regarding changing the requirements of Note #3, to include the requirement that: When upper rows of coils extend more than one-half of the coils outside diameter, above the ends of car, they must be nested in the rows below by 50% of the outside diameter of the coil, and be located at least 4 ft. from ends of car.</p> <p>Implementation Date: All comments received within 30 days from the date of this Circular Letter will be considered by the OTLR Committee prior to any action on the implementation of these changes to Figure 34-A in Section 2 of the Open Top Loading Rules Manual.</p>	<p>Car Type: Open Top Gondolas</p> <p>Car Owner:</p> <p>Repair Shop:</p> <p>Comments: Carriers are asked to ensure that copies of this circular letter are distributed to all concerned shippers and railroad personnel for their attention and guidance.</p>
<p>C-12863 Apr. 26, 2017</p>	<p>Subject: Implementation of Revised AAR Open Top Loading Rules Manuals (OTLR).</p> <p>Summary: The AAR’s Open Top Loading Rules Committee (OTLRC) announced the release of the 2017 editions of the AAR Open Top Loading Rules Manuals.</p> <p>Implementation Date: The implementation of these revised changes to Sections 1 through 7 is effective immediately. Shippers who are eligible to receive free manuals can download the request form from http://www.aar.com/standards/OpenTop-manual.html. Parties not eligible for free manuals may purchase them from the same location.</p>	<p>Car Type: Open Top Gondolas</p> <p>Car Owner: No</p> <p>Repair Shop: No</p> <p>Comments: Carriers are asked to ensure that copies of this circular letter are distributed to all concerned shippers and railroad personnel for their attention and guidance.</p>
<p>C-12864 Apr. 28, 2017</p>	<p>Subject: Correction to the April 1, 2017 Release of the Office Manual.</p> <p>Summary: After the issuance of the April 1, 2017 Office Manual Revisions, it was brought to AAR’s attention that there is an issue with page numbers. The April 1, 2017 revisions to Appendix H end on page 218. However, the January 1, 2017 Appendix I, which was not changed, starts on page 217.</p> <p>Implementation Date: Attached to this circular are pages 217-218 from the January 2017 Office Manual. In the event you have already discarded these pages, print the attachment and insert them into your Office Manual.</p>	<p>Car Type: Industry Wide</p> <p>Car Owner: No</p> <p>Repair Shop: Yes</p> <p>Comments: AAR will not be reissuing these pages because of this overlap. Instead they are directing the industry to replace the January 1, 2017 Appendix H (white pages 193-216) with the April 1, 2017 Appendix H (pink pages 193-218) and retain the entire January 1, 2017 Appendix I until the July 1, 2017 revisions are released.</p>

Friday, April 14, 2017

C-12858

Circular Letter

Subject: Save the Date for the 2018 AAR Quality Assurance Auditor and Industry Conference

To: ALL SUBSCRIBERS

File Number: QA 04-13-2018

The Association of American Railroads (AAR) Quality Assurance Committee (QAC) is pleased to announce that the 30th Annual AAR Quality Assurance Auditor and Industry Conference will be held the week of January 22, 2018 in Fort Worth, Texas.

Like past QA Conferences, the first two days (Tuesday and Wednesday) are open to all attendees. The third day (Thursday) will consist of two separate sessions. One session is the typical private session for AAR Auditor-specific training and evaluations. The other session is new in 2018 and will include quality-assurance workshops open to any conference attendee! The schedule below summarizes which days of the conference are open to the industry and which days are closed sessions.

- Tuesday, January 23 – Open to all interested parties
- Wednesday, January 24 – Open to all interested parties
- Thursday, January 25 – Workshops open to conference attendees, closed session for AAR QAC and AAR Auditors
- Friday, January 26 - Closed session AAR QAC

The 2018 AAR Quality Assurance Auditor and Industry Conference enhancements are based on recommendations from the QAC, AAR Auditors, and conference attendees from previous years. Part of the QAC's mission is to ensure that AAR auditors are continually trained to increase audit consistency, knowledge of the M-1003 specification, and best audit practices. Anyone interested in learning more about the AAR Auditor training process is encouraged to attend. Further, the conference is a great opportunity to meet and network with quality professionals in the railroad industry. Some tentative open-session topics are shown below.

- Root Cause Analysis Tools
- M-1003 Audit Findings and Best Practices
- Statistical Process Control/Statistical Methods
- Rail Supply Institute
- Keynote Speaker
- AAR Committee Updates
- Workshop: How to Write a QA Manual
- Workshop: How to Write QA Procedures
- 7.1 Nonconformances & M-1003 Certified Facilities
- Railroad Technologies

Please mark your calendar and plan to join us in Fort Worth, Texas for the 30th Annual AAR Quality Assurance

Auditor and Industry Conference. Additional information regarding registration is forthcoming. We look forward to seeing you in Fort Worth in 2018!

Questions should be directed to Mr. Don Guillen, Manager of the AAR Quality Assurance Committee, at don_guillen@aar.com or Miles Lucero, Quality Assurance Specialist, at miles_lucero@aar.com.

Sincerely,
Nichole Fimple
Executive Director, Rules and Standards
202-639-2143 202-639-2930 [Email:nfimple@aar.org](mailto:nfimple@aar.org)

Safety and Operations
Association of American Railroads
425 Third Street, SW, Suite 1000, Washington D.C. 20024

James P. Grady

Assistant Vice President - Technical
Services



Wednesday, April 26, 2017

C-12861

Circular Letter

Subject: Solicitation of Comments on Revisions to MSRP Section C, Standard S-2044, SAFETY APPLIANCE REQUIREMENTS FOR FREIGHT CARS

To: MEMBERS AND PRIVATE CAR OWNERS

File Number: CC-265.42

AAR Standard S-2044, *Safety Appliance Requirements for Freight Cars*, replaces the safety appliance regulations of the Federal Railroad Administration and certain AAR standards for cars built new after specified dates. S-2044 is comprised of a base standard, which includes definitions and requirements common to all car types, and a series of appendices, which include the requirements applicable to specific car types. The base standard and the following 14 appendices to Standard S-2044, were implemented by Circular Letters C-12110 dated February 28, 2014, and C-12611 dated April 20, 2016.

- Appendix A1 *Safety Appliances for Boxcars and Other House Cars without Roof Hatches*
- Appendix B1 *Safety Appliances for Covered Hopper Cars and Other House Cars with Roof Hatches*
- Appendix C1 *Safety Appliances for Bulkhead Flatcars with High Bulkheads*
- Appendix D1 *Safety Appliances for Flatcars with Full Decks*
- Appendix D2 *Safety Appliances for Cars of Well or Spine Construction with Side-Mounted Hand Brakes*
- Appendix D3 *Safety Appliances for Cars of Well or Spine Construction with End-Mounted Hand Brakes*
- Appendix D4 *Safety Appliances for Flatcars Constructed for Chain Tie-Down Service*
- Appendix E1 *Safety Appliances for Tank Cars with Side Ladders*
- Appendix E2 *Safety Appliances for Tank Cars with End Ladders*
- Appendix F1 *Safety Appliances for Open-Top Hopper Cars and High-Side Gondola Cars*
- Appendix F2 *Safety Appliances for Low-Side and Drop-End Gondola Cars and Bulkhead Flatcars with Low Bulkheads*
- Appendix F3 *Safety Appliances for Cars with Recessed Car Body Ends*
- Appendix G1 *Safety Appliances for Coil Cars*
- Appendix H1 *Safety Appliances for Enclosed Vehicle-Carrying Cars and Vehicle-Carrying Superstructures Applied to Flatcars*

Cars may be built to the above appendices at any time and compliance with them is mandatory now. The present FRA safety appliance regulations and AAR standards continue to apply to existing cars, including cars being repaired or modified.

The following additional appendices have been developed by the AAR Safety Appliance Task Force and approved by the Equipment Engineering Committee.

- Appendix F4 *Safety Appliances for Side-Dump Cars*
- Appendix J1 *Safety Appliances for Rail-Compatible Vehicles*

The base standard has also been modified to incorporate references to those appendices. Appendices F4 and J1 were sent for comment in Circular Letter C-12641 dated June 02, 2016, and, since no comments were received, they will be submitted in an AAR petition to the FRA for approval with no further modification.

Since the publication of Circular Letter C-12641, a number of further revisions have been made to Standard S-2044 and comments are hereby requested on the sections of the standard listed below. With one exception, these revisions have been reviewed and approved by the Equipment Engineering Committee. New paragraph 5.14 of the base standard establishes requirements for retractable handholds when applied. Retractable handholds may provide some benefits for flatcars, especially chain tie-down flatcars, but it is difficult to design and apply retractable handholds that function effectively as handholds yet are sufficiently robust to operate

reliably in the railroad environment. These requirements are intended to provide guidelines for such handholds. The EEC is presently reviewing these requirements, but has not yet approved them.

In several cases, revisions have been made to portions of S-2044 that are more restrictive than when the standard was originally implemented in 2014. Wording has been added to those sections indicating that the new requirements are mandatory only for cars built on or after January 1, 2017.

Both Appendices D1 for plain flatcars and H1 for enclosed vehicle cars have been revised to permit the application of vertical-wheel hand brakes with brake wheel diameters of 16 in., 18 in., or 20 in., in addition to the standard 22-in. wheel diameter. The purpose is to make provision for smaller vertical-wheel hand brakes that will fit into the restrictive space available on enclosed vehicle superstructures, in place of lever hand brakes. There are at present no vertical-wheel hand brakes with smaller wheel diameters that comply with the requirements of Standard S-475 *Hand Brakes*, but the intent is for Standard S-2044 to be ready when such brakes are developed.

In addition to paragraph 5.14 of the base standard and a number of essentially editorial revisions, your attention is called to the following revisions:

Base Standard: Paragraph 5.13

Appendix D1 for plain flatcars: Paragraphs 2.1.2, 2.1.4, 2.2.2

Appendix D2 for well and spine cars with side-mounted hand brakes: Paragraph 2.2.2

Appendix D4 for chain tie-down flatcars: Paragraph 4.3.3

Appendix F2 for low-side gondolas: Paragraphs 2.2.2

Appendix H1 for enclosed vehicle cars: Paragraphs 23.1.2, 2.1.4, 2.2.2

All comments received within 30 days of the issuance of this circular will be considered by the Safety Appliance Task Force, and appropriate revisions, if any, will be made to Standard S-2044. Once any revisions made as a result of comments submitted in response to this circular are completed, the revised Standard S-2044 will be submitted in an AAR petition to the FRA for adoption in accordance with the procedure outlined in the FRA's Rulemaking published April 28, 2011, in the Federal Register.

Attached to this circular is a copy of Standard S-2044 as implemented on April 20, 2016 with the proposed revisions included and highlighted with change bars.

Please submit comments by email to Jon Hannafious, Senior Manager Equipment Engineering Committee at TTCL, at jon_hannafious@aar.com.

Sincerely,

James P. Grady

Assistant Vice President - Technical Services

202-639-2141 202-639-2930 Email:jgrady@aar.org

**Safety and Operations
Association of American Railroads
425 Third Street, SW, Suite 1000, Washington D.C. 20024**

Attachments

[s-2044_20170405.pdf](#)

Nichole Fimple
Executive Director, Rules and
Standards



Friday, April 28, 2017

C-12864

Circular Letter

Subject: CORRECTION to the April 1, 2017 Release of the Office Manual

To: MEMBERS AND PRIVATE CAR OWNERS

File Number: AC-GEN

After the issuance of the April 1, 2017 Office Manual Revisions, it was brought to our attention that there is an issue with page numbers.

The April 1, 2017 revisions to Appendix H end on page 218. However, the January 1, 2017 Appendix I, which was not changed, starts on page 217. We will not be reissuing these pages because of this overlap. Instead we are directing you to replace the January 1, 2017 Appendix H (white pages 193-216) with the April 1, 2017 Appendix H (pink pages 193-218) and retain the entire January 1, 2017 Appendix I until the July 1, 2017 revisions are released.

For your convenience, I have attached pages 217-218 from the January 2017 Office Manual. In the event you have already discarded these pages, please print the attached and insert into your Office Manual.

Sincerely,
Nichole Fimple
Executive Director, Rules and Standards
202-639-2143 202-639-2930 [Email: nfimple@aar.org](mailto:nfimple@aar.org)

Safety and Operations
Association of American Railroads
425 Third Street, SW, Suite 1000, Washington D.C. 20024

Attachments

[om_pages 217-218.pdf](#)

Appendix I

ECP Brake Components

A. Wear Limits, Gaging, Cause For Renewal

1. All ECP equipped freight cars must be tested and receive attention as required in Chart A of this rule.
2. ECP stand-alone and overlay cars with air brake defect listed in Chart A of Rule 9 and cars set out of train with brakes cut out en route must not be directed to an expedite track unless such track is capable of performing the required ECP Single Car Test.
3. In the case of overlay equipped cars, both the ECP Single Car Test per ECP OEM instructions and the AAR Single Car Test as described in S-486 must be performed.
4. Accessories and documentation required for all repair tracks:
 - a. Approved ECP Single Car Test Device
 - b. Trainline Test Light Assy.
 - c. PC with two USB ports and Windows XP operating system
 - d. Suitable apparatus to charge the brake pipe and initiate a pneumatic emergency
 - e. Code of Air Brake Test for ECP Brake Equipment – NYAB – IP-224
 - f. Maintenance and Repair Manual – NYAB – IP-234
 - g. NYAB EP-60 Selection Guide – NYAB – PC-206

CHART A (Sheet 1 of 2) Tests and Attention Required per ECP Single Car Test (per ECP OEM Instructions Unless Otherwise Specified)									
	ECP Single Car Test per OEM Instructions (para. A.3)	Brake Pipe Leakage Test per S-486 (Sect. 3.3)	Slack Adjuster Test per S-486 (Sect. 4.1)	Empty-Load Test per S-486 (Sect. 4.6)	Retainer Valve Test per S-486 (Sect. 4.2)	Brake Cylinder Leakage Test per S-486 (Sect. 4.5)	Clean Dirt Collector	Renew Pipe Bracket Filter When Uncovered	System Leakage Test per S-486 (Sect. 3.5)
All cars set out of trains requiring tests listed below must receive attention per Chart A while on the handling line railroad.									
(1) Brakes inoperative or cut out when car is set out or on shop or repair track.	X								
(2) Car with wheel thermal cracks or condemnable built up tread or slid flat	X								
(3) When car is on shop or repair track, wheels with non-condemnable built up tread or slid flat	X								
(4) Slack adjuster repaired or renewed			X						
(5) Pneumatic Empty/Load valve renewed				X					
(6) CCD, Car ID Module, pipe bracket manifold, emergency vent valve (NYAB ECP), emergency portion (Wabtec ECP), service or emergency portions (Overlay) renewed	X						X	X	
(7) CCD or control valve mounting gasket, Reservoir, or pipe bracket stud renewed	X								