

inch diameter brake cylinders, piston travel shall be within 7 to 9 inches. If piston travel is found to be less than 7 inches or more than 9 inches, it must be adjusted to nominally 7½ inches. For cars not equipped with 8½-inch or 10-inch diameter brake cylinders, piston travel shall be within the piston travel stenciled or marked on the car or badge plate.

(d) Before a car is released from a shop or repair track, a qualified person shall ensure:

(1) The brake pipe is securely clamped;

(2) Angle cocks are properly located with suitable clearance and properly positioned to allow maximum air flow;

(3) Valves, reservoirs, and cylinders are tight on supports and the supports are securely attached to the car;

(4) Hand brakes are tested, inspected, and operate as intended; and

(5) Brake indicators, on cars so equipped, are accurate and operate as intended.

(e) If the single car air brake test required by § 232.305 cannot be conducted at the point where repairs can be made to the car, the car may be moved after the repairs are made to the next forward location where the test can be performed. Inability to perform a single car air brake test does not constitute an inability to make the necessary repairs.

(1) If it is necessary to move a car from the location where the repairs are performed in order to perform a single car air brake test required by this part, a tag or card shall be placed on both sides of the equipment, or an automated tracking system approved for use by FRA, shall contain the following information about the equipment:

(i) The reporting mark and car number;

(ii) The name of the inspecting railroad;

(iii) The location where repairs were performed and date;

(iv) Indication whether the car requires a single car air brake test;

(v) The location where the appropriate test is to be performed; and

(vi) The name, signature, if possible, and job title of the qualified person approving the move.

(2) The tag or card required by paragraph (e)(1) of this section shall remain affixed to the equipment until the necessary test has been performed.

(3) An electronic or written record or copy of each tag or card attached to or removed from a car or locomotive shall be retained for 90 days and, upon request, shall be made available within 15 calendar days for inspection by FRA or State inspectors.

(4) The record or copy of each tag or card removed from a car or locomotive shall contain the date, location, and the signature or identification of the qualified person removing it from the piece of equipment.

(f) The location and date of the last single car air brake test required by § 232.305 shall be clearly stenciled, marked, or labeled in two-inch high letters or numerals on the side of the equipment. Alternatively, the railroad industry may use an electronic or automated tracking system to track the required information and the performance of the test required by § 232.305.

(1) Electronic or automated tracking systems used to meet the requirement contained in this paragraph shall be capable of being reviewed and monitored by FRA at any time to ensure the integrity of the system. FRA's Associate Administrator for Safety may prohibit or revoke the railroad industry's authority to utilize an electronic or automated tracking system in lieu of stenciling or marking if FRA finds that the electronic or automated tracking system is not properly secure, is inaccessible to FRA or railroad employees, or fails to adequately track and monitor the equipment. FRA will record such a determination in writing, include a statement of the basis for such action, and will provide a copy of the document to the affected railroads.

(2) [Reserved]

[66 FR 4193, Jan. 17, 2001, as amended at 66 FR 39687, Aug. 1, 2001; 67 FR 17584, Apr. 10, 2002]

#### § 232.305 Single car air brake tests.

(a) Single car air brake tests shall be performed by a qualified person in accordance with either Section 3.0, "Tests-Standard Freight Brake Equipment," and Section 4.0, "Special

## § 232.307

Tests," of the Association of American Railroads Standard S-486-01, "Code of Air Brake System Tests for Freight Equipment," contained in the AAR *Manual of Standards and Recommended Practices, Section E* (January 1, 2001); an alternative procedure approved by FRA pursuant to §232.17; or a modified procedure approved in accordance with the provisions contained in §232.307. The incorporation by reference of these two sections of this AAR standard was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. You may obtain a copy of the incorporated document from the Association of American Railroads, 50 F Street, NW., Washington, DC 20001. You may inspect a copy of the document at the Federal Railroad Administration, Docket Clerk, 1120 Vermont Avenue, NW., Suite 7000, Washington, DC or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: [http://www.archives.gov/federal\\_register/code\\_of\\_federal\\_regulations/ibr\\_locations.html](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html).

(b) Except as provided in §232.303(e), a railroad shall perform a single car air brake test on a car when:

(1) A car has its brakes cut-out or inoperative when removed from a train or when placed on a shop or repair track, as defined in §232.303(a);

(2) A car is on a shop or repair track, as defined in §232.303(a), for any reason and has not received a single car air brake test within the previous 12-month period;

(3) A car is found with missing or incomplete single car air brake test information;

(4) One or more of the following conventional air brake equipment items is removed, repaired, or replaced:

- (i) Brake reservoir;
- (ii) Control valve mounting gasket;
- (iii) Pipe bracket stud;
- (iv) Service portion;
- (v) Emergency portion; or
- (vi) Pipe bracket.

(5) A car is found with one or more of the following wheel defects:

(i) Built-up tread, unless known to be caused by hand brake left applied;

(ii) Slid flat wheel, unless known to be caused by hand brake left applied; or

(iii) Thermal cracks.

(c) Except as provided in paragraph (d) of this section, each car shall receive a single car air brake test no less than every 5 years.

(d) Each car shall receive a single car air brake test no less than 8 years from the date the car was built or rebuilt.

(e) A single car air brake test shall be performed on each new or rebuilt car prior to placing or using the car in revenue service.

(f) For purposes of paragraphs (b)(2), (b)(3), and (c) of this section, if a single car test or repair track air brake test is conducted on a car prior to January 1, 2001, pursuant to the then existing AAR standards, it shall be considered the last single car air brake test for that car, if necessary.

[66 FR 39688, Aug. 1, 2001]

## § 232.307 Modification of the single car air brake test procedures.

(a) *Request.* The AAR or other authorized representative of the railroad industry may seek modification of the single car air brake test procedures prescribed in §232.305(a). The request for modification shall be submitted in triplicate to the Associate Administrator for Safety, Federal Railroad Administration, 400 7th Street, S.W., Washington, D.C. 20590 and shall contain:

(1) The name, title, address, and telephone number of the primary person to be contacted with regard to review of the modification;

(2) The modification, in detail, to be substituted for a particular procedure prescribed in §232.305(a);

(3) Appropriate data or analysis, or both, for FRA to consider in determining whether the modification will provide at least an equivalent level of safety; and

(4) A statement affirming that the railroad industry has served a copy of the request on the designated representatives of the employees responsible for the equipment's operation, inspection, testing, and maintenance under this part, together with a list of the names and addresses of the persons served.