

TABLE I.—BRAKE TEST PROCEDURE SEQUENCE AND REQUIREMENTS—Continued

Sequence	Test load		Test procedure	Requirements
	Light	GVWR		
4. Second effectiveness test .....	.....	X	S7.5(b)	S5.1.1.2
5. First reburnish .....	.....	X	S7.6	
6. Parking brake	X	X	S7.7	S5.2
7. Stability and control during braking (braking-in-a-curve test)	X	.....	S7.5(a)	S5.1.7
8. Third effectiveness (lightly loaded vehicle)	X	.....	S7.8	S5.1.1.3
9. Partial failure	X	X	S7.9	S5.1.2
10. Inoperative brake power and power assist units .....	.....	X	S7.10	S5.1.3
11. First fade and recovery .....	.....	X	S7.11	S5.1.4
12. Second reburnish .....	.....	X	S7.12	
13. Second fade and recovery .....	.....	X	S7.13	S5.1.4
14. Third reburnish .....	.....	X	S7.14	
15. Fourth effectiveness .....	.....	X	S7.15	S5.1.1.4
16. Water recovery .....	.....	X	S7.16	S5.1.5
17. Spike stops	X	S7.17	S5.1.6
18. Final inspection	S7.18	S5.6
19. Moving barrier test	X	S7.19	S5.2.2.3

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■ 3. Section 571.121 is amended by revising S5.3, S5.3.6, S5.3.6.2 and Table 1; and by adding S6.1.17, to read as follows:

§ 571.121 Air brake systems

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S5.3 Service brakes—road tests. The service brake system on each truck tractor shall, under the conditions of S6, meet the requirements of S5.3.1, S5.3.3, S5.3.4, and S5.3.6, when tested without adjustments other than those specified in this standard. The service brake system on each bus and truck (other than a truck tractor shall) manufactured before July 1, 2005 and each bus and truck (other than a truck tractor) manufactured in two or more stages shall, under the conditions of S6, meet the requirements of S5.3.1, S5.3.3, and S5.3.4 when tested without adjustments other than those specified in this standard. The service brake system on each bus and truck (other than a truck tractor) manufactured on or after July 1, 2005 and each bus and truck (other than a truck tractor) manufactured in two or more stages on or after July 1, 2006 shall, under the conditions of S6, meet the requirements of S5.3.1, S5.3.3, S5.3.4, and S5.3.6, when tested without adjustments other than those specified in this standard. The service brake system on each trailer shall, under the conditions of S6, meet the requirements of S5.3.3, S5.3.4, and S5.3.5 when tested without adjustments other than those specified in this standard. However, a heavy hauler trailer and the truck and trailer portions of an auto transporter need not meet the requirements of S5.3.

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S5.3.6 Stability and control during braking—trucks and buses. When

stopped four consecutive times for each combination of weight, speed, and road conditions specified in S5.3.6.1 and S5.3.6.2, each truck tractor shall stop at least three times within the 12-foot lane, without any part of the vehicle leaving the roadway. When stopped four consecutive times for each combination of weight, speed, and road conditions specified in S5.3.6.1 and S5.3.6.2, each bus and truck (other than a truck tractor) manufactured on or after July 1, 2005, and each bus and truck (other than a truck tractor) manufactured in two or more stages on or after July 1, 2006, shall stop at least three times within the 12-foot lane, without any part of the vehicle leaving the roadway.

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S5.3.6.2 Stop the vehicle, with the vehicle:

(a) Loaded to its GVWR, for a truck tractor, and

(b) At its unloaded weight plus up to 500 pounds (including driver and instrumentation), or at the manufacturer's option, at its unloaded weight plus up to 500 pounds (including driver and instrumentation) and plus not more than an additional 1000 pounds for a roll bar structure on the vehicle, for a truck, bus, or truck tractor.

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S6.1.17 Selection of compliance options. Where manufacturer options are specified, the manufacturer shall select the option by the time it certifies the vehicle and may not thereafter select a different option for the vehicle. Each manufacturer shall, upon request from the National Highway Traffic Safety Administration, provide information regarding which of the compliance

options it has selected for a particular vehicle or make/model.

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TABLE I.—STOPPING SEQUENCE

	Truck tractors	Single unit trucks and buses
Burnish	1	1
Stability and Control at GVWR (PFC 0.5)	2	N/A
Stability and Control at LLVW (PFC 0.5)	3	5
Manual Adjustment of Brakes	4	N/A
60 mph Service Brake Stops at GVWR (PFC 0.9) ..	5	2
60 mph Emergency Service Brake Stops at GVWR (PFC 0.9)	N/A	3
Parking Brake Test at GVWR	6	4
Manual Adjustment of Brakes	7	6
60 mph Service Brake Stops at LLVW (PFC 0.9) ...	8	7
60 mph Emergency Service Brake Stops at LLVW (PFC 0.9)	9	8
Parking Brake Test at LLVW	10	9
Final Inspection	11	10

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