

**CHAPTER 20**  
**ENFORCEMENT SERVICE**

**Authority**

N.J.S.A. 39:2-3, 39:3-10, 39:3-11, 39:3-27.14, 39:3-27.39, 39:3-27.44, 39:3-27.45, 39:3-33.3, 39:3-33.7, 39:3-33.9, 39:3-43, 39:3-63, 39:3-75, 39:3-76.6, 39:3-77, 39:3-81, 39:3-84a(10), 39:3B-5, 39:4-208, 39:5-30, 39:8-1, 39:8-2, 39:8-4, 39:8-4.1, 39:8-10, 39:8-57, 39:8-77, and 39:10-4.

**Source and Effective Date**

R.2001 d.20, effective December 13, 2000.  
See: 32 N.J.R. 3720(a), 33 N.J.R. 269(a).

**Executive Order No. 66(1978) Expiration Date**

Chapter 20, Enforcement Service, expires on December 13, 2005.

**Chapter Historical Note**

Chapter 20, Enforcement Service, was adopted and became effective prior to September 1, 1969.

Subchapter 26, Self-Inspection of Certain Classes of Motor Vehicles, was adopted as new rules by R.1970 d.132, effective November 2, 1970. See: 2 N.J.R. 85(d), 2 N.J.R. 101(d).

Subchapter 27 was adopted as new rules by R.1971 d.86, effective June 1, 1971. See: 3 N.J.R. 84(a), 3 N.J.R. 136(d).

Subchapter 28, Inspection of New Motor Vehicles, was adopted as new rules by R.1971 d.144, effective October 1, 1971. See: 3 N.J.R. 112(a), 3 N.J.R. 181(a). Subchapter 28 was amended by R.1971 d.222, effective December 10, 1971. See: 3 N.J.R. 226(a), 4 N.J.R. 10(c).

Subchapter 29, Mobile Inspection Unit, was adopted as new rules by R.1972 d.106, effective June 1, 1972. See: 4 N.J.R. 105(b), 4 N.J.R. 165(b).

Subchapter 30, Supplemental Inspection of School Buses, was adopted as new rules by R.1972 d.154, effective August 7, 1972. See: 4 N.J.R. 163(a), 4 N.J.R. 223(b).

Subchapter 31, Alcohol Countermeasures Regulations, was adopted as new rules by R.1972 d.255, effective December 15, 1972. See: 4 N.J.R. 273(a), 5 N.J.R. 18(c).

Subchapter 32, Motor Vehicle Reinspection Centers, was adopted as new rules by R.1975 d.333, effective November 3, 1975. See: 7 N.J.R. 433(b), 7 N.J.R. 570(c).

Subchapter 33, Enforcement Service: Standards and Procedures To Be Used By Licensed Reinspection Centers, was adopted as new rules by R.1975 d.334, effective November 3, 1975. See: 7 N.J.R. 469(d), 7 N.J.R. 570(d).

Subchapter 34, Identifying Marks, was adopted as new rules by R.1976 d.302, effective September 24, 1976. See: 8 N.J.R. 400(b), 8 N.J.R. 532(a).

Subchapter 35, Inspection of State-Owned Vehicles by the Central Motor Pool, was adopted as new rules by R.1977 d.480, effective December 21, 1977. See: 9 N.J.R. 486(b), 10 N.J.R. 71(c).

Subchapter 31, Alcohol Countermeasures Regulations, was amended by R.1979 d.4, effective January 8, 1979. See: 10 N.J.R. 508(a), 11 N.J.R. 78(b).

Subchapter 28, Inspection of New Motor Vehicles, was amended by R.1980 d.345, effective August 5, 1980. See: 12 N.J.R. 280(c), 12 N.J.R. 551(c).

Subchapter 36, Special National Guard Plates, was adopted as new rules by R.1981 d.31, effective January 28, 1981. See: 12 N.J.R. 427(a), 13 N.J.R. 150(e).

Pursuant to Executive Order No. 66(1978), Subchapter 31, Alcohol-Countermeasures Regulations, was readopted as R.1984 d.7, effective January 4, 1984. See: 15 N.J.R. 1923(a), 16 N.J.R. 247(b).

Pursuant to Executive Order No. 66(1978), Subchapter 33, Enforcement Service: Standards and Procedures To Be Used By Licensed Reinspection Centers, was readopted as R.1984 d.173, effective April 25, 1984. See: 16 N.J.R. 503(a), 16 N.J.R. 1280(d).

Subchapter 12, Accident Prevention Clinic, was adopted as new rules by R.1984 d.492, effective October 16, 1984. See: 16 N.J.R. 2347(a), 16 N.J.R. 3054(b).

Subchapter 28, Inspection of New Motor Vehicles, was amended by R.1984 d.622, effective January 21, 1985 (operative July 1, 1985). See: 16 N.J.R. 2500(a), 17 N.J.R. 203(a).

Subchapter 38, Dimensional Standards for Automobile Transporters, was adopted as new rules by R.1985 d.23, effective February 4, 1985. See: 16 N.J.R. 3176(a), 17 N.J.R. 313(b).

Subchapter 37, Standards for Motor Vehicles with Modified Chassis Height, was adopted as new rules by R.1985 d.100, effective March 4, 1985. See: 16 N.J.R. 2501(a), 17 N.J.R. 603(a).

Pursuant to Executive Order No. 66(1978), Subchapter 28, Inspection of New Motor Vehicles, was adopted as new rules by R.1985 d.379, effective June 27, 1985. See: 17 N.J.R. 1059(a), 17 N.J.R. 1901(a).

Pursuant to Executive Order No. 66(1978), Subchapter 36, Special National Guard Plates, was readopted as R.1985 d.678, effective December 18, 1985. See: 17 N.J.R. 2602(a), 18 N.J.R. 203(a).

Pursuant to Executive Order No. 66(1978), Subchapter 25, Safety Glazing Material; Other Equipment, expired on January 16, 1986, and Subchapter 25, Safety Glazing Material, was adopted as new rules by R.1986 d.80, effective April 7, 1986. See: 18 N.J.R. 47(a), 18 N.J.R. 703(a).

Subchapter 39, Special Registration Plates for Non-Profit Organizations, was adopted as new rules by R.1988 d.537, effective November 7, 1988. See: 20 N.J.R. 2033(a), 20 N.J.R. 2788(a).

Pursuant to P.L. 1984, c.243 (N.J.S.A. 26:2B-9.1), Subchapter 31, Alcohol Countermeasures Regulations, was recodified to N.J.A.C. 8:66-1. See: 21 N.J.R. 70(a).

Subchapter 1, Enforcement Officer, was repealed by R.1989 d.518, effective October 2, 1989. See: 21 N.J.R. 1500(b), 21 N.J.R. 3176(a).

Subchapter 3, Identification Lights, was repealed and recodified as new rules at N.J.A.C. 13:24-5 by R.1989 d.542, effective October 16, 1989. See: 21 N.J.R. 2460(a), 21 N.J.R. 3299(c).

Subchapter 40, Reflectorized Registration Plates, was adopted as new rules by R.1990 d.322, effective June 18, 1990. See: 22 N.J.R. 1230(b), 22 N.J.R. 1940(b).

Pursuant to Executive Order No. 66(1978), Subchapter 10, Automatic Vehicle Identification Systems, was readopted as R.1990 d.491, effective October 1, 1990. See: 22 N.J.R. 2133(a), 22 N.J.R. 3151(b).

Pursuant to Executive Order No. 66(1978), Chapter 20, Enforcement Service, was readopted as R.1991 d.20, effective December 13, 1990. See: 22 N.J.R. 3307(a), 23 N.J.R. 207(b).

Subchapter 31, Private Inspection Center Licensing, was adopted as new rules by R.1991 d.253, effective May 6, 1991. See: 23 N.J.R. 387(a), 23 N.J.R. 1417(b).

Subchapter 41, Persian Gulf War Commemorative License Plates, was adopted as new rules by R.1992 d.20, effective January 6, 1992. See: 23 N.J.R. 2916(a), 24 N.J.R. 108(a).

Subchapter 42, Purple Heart Emblems on License Plates, was adopted as new rules by R.1992 d.168, effective April 6, 1992. See: 24 N.J.R. 219(a), 24 N.J.R. 1365(a).

Subchapter 43, Enhanced Motor Vehicle Inspection and Maintenance Program, Subchapter 44, Private Inspection Facility Licensing, and Subchapter 45, Motor Vehicle Emission Repair Facility Registration, were adopted as emergency new rules by R.1995 d.410, effective June 29, 1995 (expires August 28, 1995). See: 27 N.J.R. 2777(a). The concurrent proposal of Subchapters 43, 44 and 45 was adopted as R.1995 d.528, effective August 28, 1995. See: 27 N.J.R. 3820(a).

Subchapter 31, Private Inspection Center Licensing, was repealed by R.1995 d.664, effective December 18, 1995. See: 27 N.J.R. 3911(a), 27 N.J.R. 5033(a).

Pursuant to Executive Order No. 66(1978), Chapter 20, Enforcement Service, was readopted effective December 13, 1995, and Subchapter 2, Vehicle Construction, Subchapter 8, Motor Vehicles Transporting Flammable Liquids, Subchapter 11, School Bus Warning Lamps, Subchapter 16, Concrete Ready-Mix Transit Vehicles, Subchapter 18, Flashing Warning Signals, Subchapter 19, Seat Belts, Subchapter 20, New Tires, Subchapter 21, Retread Tires, Subchapter 23, Fastening Loads on Commercial Flat Bed Vehicles, and Subchapter 41, Persian Gulf War Commemorative License Plates, were repealed effective January 16, 1996 by R.1996 d.28. See: 27 N.J.R. 4140(a), 28 N.J.R. 272(a).

Subchapter 46, Diesel Emission Inspection and Maintenance Program, was adopted as new rules, and Subchapter 47, Diesel Emission Inspection Center Licensing, was adopted as new rules by R.1997 d.392, effective September 15, 1997. See: 29 N.J.R. 1264(a), 29 N.J.R. 4149(a).

Subchapter 48, Inspection Standards and Test Procedures to be Used by Licensed Diesel Emission Inspection Centers, was adopted as new rules by R.1998 d.310, effective June 15, 1998. See: 30 N.J.R. 990(a), 30 N.J.R. 2262(b).

Subchapter 32, Motor Vehicle Reinspection Centers, was repealed and Subchapter 32, Inspection Standards and Test Procedures to be Used by Official Inspection Facilities, was adopted as new rules, Subchapter 33, Enforcement Service: Standards and Procedures to be Used by Licensed Reinspection Centers, was repealed and Subchapter 33, Inspection Standards and Test Procedures to be Used by Licensed Private Inspection Facilities, was adopted as new rules by R.1999 d.422, effective December 6, 1999. See: 31 N.J.R. 2466(a), 31 N.J.R. 4078(a).

Subchapter 41, Silver Star Insignias on License Plates, was adopted as new rules by R.2000 d.72, effective February 22, 2000. See: 31 N.J.R. 4223(b), 32 N.J.R. 711(b).

N.J.A.C. 13:20-49C.5, Capacity, Subchapter 49, Standards for School Buses Manufactured July 1985 through May 1993, Subchapter 49 Appendix, Subchapter 49A, Standards for Buses Used for Pupil Transportation Manufactured June, 1993 or Thereafter, Subchapter 49B, Chassis Standards, Subchapter 49C, Body Standards, Subchapter 49D, Specially Equipped School Bus Standards, 13:20-49E, Use of Vehicles as School Buses under the Jurisdiction of the Department of Transportation, Subchapter 49F, Small Vehicle Standards, Subchapter 49G, Inspection, Subchapter 49H, Insurance, were recodified from N.J.A.C. 6:21-4.1, Capacity, N.J.A.C. 6:21-5, Standards for School Buses Manufactured July 1985 through May 1993, N.J.A.C. 6:21 Appendix, N.J.A.C. 6:21-6, Standards for Buses used For Pupil Transportation Manufactured June, 1993 or Thereafter, N.J.A.C. 6:21-6A, Chassis Standards, N.J.A.C. 6:21-6B, Body Standards, N.J.A.C. 6:21-6C, Specially Equipped School Bus Standards, N.J.A.C. 6:21-8, Use of Vehicles as School Buses under the Jurisdiction of the Department of Transportation, N.J.A.C. 6:21-9, Small Vehicle Standards, N.J.A.C. 6:21-18, Inspection, and N.J.A.C. 6:21-17, Insurance, respectively, by administrative change. See: 32 N.J.R. 3090(a).

Pursuant to Executive Order No. 66(1978), Chapter 20, Enforcement Service, was readopted by R. 2001 d.20, effective December 13, 2000, and Subchapter 40, Reflectorized Registration Plates, was repealed by R.2001 d.20, effective January 16, 2001. See: Source and Effective Date. See, also, section annotations.

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- 13:20-49H.1 General provisions

**SUBCHAPTER 1. STANDARDS AND SPECIFICATIONS GOVERNING THE TYPES OF SUN-SCREENING MATERIALS AND PRODUCTS THAT MAY BE INSTALLED OR APPLIED TO WINDSHIELDS AND FRONT SIDE WINDOWS OF MOTOR VEHICLES FOR WHICH MEDICAL EXEMPTION CERTIFICATES HAVE BEEN ISSUED; STANDARDS GOVERNING THE ISSUANCE OF MEDICAL EXEMPTION CERTIFICATES**

**Authority**

N.J.S.A. 39:3-75.2.

**Source and Effective Date**

R.2001 d.341, effective September 17, 2001.  
See: 33 N.J.R. 2450(a), 33 N.J.R. 3343(a).

**13:20-1.1 Definitions**

The following words and terms, when used in this subchapter, shall have the following meanings unless the context clearly indicates otherwise.

“Action spectra” means those portions of the electromagnetic spectrum, such as UVA, UVB, near UV, and visible light, which elicit an adverse medical condition as specified in N.J.S.A. 39:3-75.1 and this subchapter.

“AS-1 line” means the mark at the edge of a sheet of glazing material that delineates the area of the windshield requisite for driving visibility and indicates that portion of the sheet of glazing material having a luminous transmittance of not less than 70 percent.

“Clear film” means a material that, when applied over factory-installed glazing, has a neutral gray appearance.

“Director” means the Director of the Division of Motor Vehicles in the Department of Transportation in the State of New Jersey.

“Division” means the Division of Motor Vehicles in the Department of Transportation in the State of New Jersey.

“Near UV” means the portion of the visible electromagnetic spectrum that appears violet to blue in color, having wavelengths that range from 400 nanometers to 492 nanometers.

“Optical properties” means the percentage of visible light and/or UV transmittance, visible light reflection, and other

parameters of approved sun-screening materials and products as supplied by the manufacturer and installed or applied by registered sun-screening material installation facilities.

“Reflectance” means the percentage of visible light reflected by the sun-screening material or product.

“Tinted film” means a material of any color that is applied over factory-installed glazing.

“Transmittance” means the percentage of visible light and/or UV radiation that passes through a sun-screening material or product and the factory-installed glazing to which it is attached.

“Ultraviolet” or “UV” means the ultraviolet portion of the electromagnetic spectrum, having wavelengths that range from 290 nanometers to 400 nanometers.

“UVA” means the portion of the UV spectrum that ranges from 320 nanometers to 400 nanometers in wavelength.

## SUBCHAPTER 29. MOBILE INSPECTION UNIT

**13:20-29.1 Mobile Inspection Unit**

There is hereby created in the Division of Motor Vehicles a Mobile Inspection Unit which is authorized to conduct on-road inspections of motor vehicles registered in New Jersey in accordance with the procedures set forth at N.J.A.C. 13:20-43.14 for the purpose of fostering highway safety.

Amended by R.1996 d.28, effective January 16, 1996.  
See: 27 N.J.R. 4140(a), 28 N.J.R. 272(a).

Substituted "conduct on-road inspections of vehicles registered in New Jersey in accordance with the procedures set forth at N.J.A.C. 13:20-43.14" for "set-up and conduct random roadside".

Amended by R.1999 d.422, effective December 6, 1999.  
See: 31 N.J.R. 2466(a), 31 N.J.R. 4078(a).

Deleted a reference to the Bureau of Vehicle Inspection, and substituted a reference to motor vehicles for a reference to vehicles.

**Case Notes**

Record was insufficient to properly address constitutionality of random roadside examination of vehicles for safety violations. *State v. Kadelak*, 258 N.J.Super. 599, 610 A.2d 916 (A.D.1992).

**13:20-29.2 Procedures**

(a) Motor vehicles inspected pursuant to N.J.S.A. 39:8-2g, this subchapter, and N.J.A.C. 13:20-43.14 which are found to be in proper operating condition shall retain the existing inspection certificate of approval or certificate of waiver issued therefor. If a motor vehicle passes an on-road inspection, including the emission test(s) applicable to such motor vehicle pursuant to N.J.A.C. 13:20-43.8, and such motor vehicle is due for inspection pursuant to N.J.S.A. 39:8-1 within the two-month period following the calendar month of the on-road inspection approval, such motor vehicle may be presented at the exit end of an official inspection facility for the issuance of a certificate of approval for the biennial inspection cycle applicable to such motor vehicle.

(b) Motor vehicles inspected pursuant to N.J.S.A. 39:8-2g, this subchapter, and N.J.A.C. 13:20-43.14 which are found to be defective shall have the existing inspection certificate of approval or certificate of waiver issued therefor, if any, removed and an inspection rejection sticker shall be affixed to the lower left corner of the windshield inside the passenger compartment of the motor vehicle. Motor vehicles which are found to be defective shall be repaired and presented for reinspection within 30 days of the date of the on-road inspection rejection, except as otherwise provided at N.J.A.C. 13:20-7.6(a).

Amended by R.1996 d.28, effective January 16, 1996.  
See: 27 N.J.R. 4140(a), 28 N.J.R. 272(a).

In (b) replaced inspection stickers with rejection stickers and added licensed private inspection centers and facilities.

Amended by R.1999 d.422, effective December 6, 1999.  
See: 31 N.J.R. 2466(a), 31 N.J.R. 4078(a).

Rewrote the section.

Amended by R.2001 d.358, effective October 15, 2001.

See: 33 N.J.R. 1894(a), 33 N.J.R. 3651(b).

In (a), added the second sentence.

**Case Notes**

Record was insufficient to properly address constitutionality of random roadside examination of vehicles for safety violations. *State v. Kadelak*, 258 N.J.Super. 599, 610 A.2d 916 (A.D.1992).

**13:20-29.3 Penalty**

Motor vehicles inspected pursuant to N.J.S.A. 39:8-2g, this subchapter, and N.J.A.C. 13:20-43.14 which are found to be defective and which have not been presented for reinspection in accordance with N.J.A.C. 13:20-29.2(b) shall be subject to the penalties provided in N.J.S.A. 39:8-1 et seq. and N.J.A.C. 13:20-43.16(b).

Amended by R.1999 d.422, effective December 6, 1999.

See: 31 N.J.R. 2466(a), 31 N.J.R. 4078(a).

Rewrote the section.

**Case Notes**

Record was insufficient to properly address constitutionality of random roadside examination of vehicles for safety violations. *State v. Kadelak*, 258 N.J.Super. 599, 610 A.2d 916 (A.D.1992).

## SUBCHAPTER 30. SUPPLEMENTAL INSPECTION OF SCHOOL BUSES

**13:20-30.1 Applicability**

The provisions of this Subchapter shall be applicable to all school buses registered in this State, except buses which are also used for the transportation of passengers for hire and which are subject to inspection by the New Jersey Department of Public Utilities.

**13:20-30.2 Definitions**

The following words and terms, when used in this Subchapter, shall have the following meanings, unless the context clearly indicates otherwise.

“Lessee” means any person under a contract or agreement who exercises control or who operates a school bus under said agreement or contract for 30 days or more.

“Private person” means anyone other than a Board of Education or the State or a political subdivision thereof.

“School bus” means every motor vehicle operated by, or under contract with, a public or governmental agency, or religious or other charitable organization or corporation, or privately operated for compensation for the transportation of children to or from school for secular or religious education.

### 13:20-30.3 Inspection and maintenance

(a) Every school bus owned or leased by a private person, Board of Education or the State or a political subdivision thereof, registered in this State, shall be systematically inspected and maintained to insure that such bus and accessories are in safe and proper operating condition.

(b) A systematic inspection maintenance record shall be maintained for each vehicle.

(c) The minimum inspection to be performed shall be in accordance with the vehicle manufacturers’ maintenance requirements.

(d) Such records shall include, at least:

1. An identification of the vehicle including New Jersey registration number, make, model, serial number and number of tires, their size and number of ply;
2. A record of inspection and repairs indicating their date and nature;
3. A lubrication record;
4. A systematic means for indicating for each school bus the nature and due date of various inspection and maintenance operations to be performed;
5. If leased or otherwise contracted for, such records shall also include an identification of the lessor or contractor furnishing the school bus;
6. Daily vehicle condition report by a driver.

(e) Any report or record of inspection shall be maintained for the life of the vehicle inspected and shall be available for inspection to the Division of Motor Vehicles.

(f) All of the records stated in this Section shall be available for inspection to the State Department of Education, Bureau of Pupil Transportation.

### 13:20-30.4 Unsafe operations forbidden

No owner or lessee whether private person, Board of Education, the State or a political subdivision thereof shall drive or permit or require a driver to drive any school bus

revealed by inspection or operation to be in such condition that its operation would be hazardous or likely to result in a breakdown of the vehicle nor shall any driver drive a school bus which by reason of its mechanical condition is so imminently hazardous to operate as to be likely to cause an accident or a breakdown of the vehicle.

### 13:20-30.5 Inspection of school buses in operation

(a) Every State police officer, every employee of the Division of Motor Vehicles, Department of Transportation, either at a time deemed reasonable and necessary in the judgment of the Director of the Division of Motor Vehicles, or at the request of the Bureau of Pupil Transportation of the Department of Education may enter upon and perform inspections of school buses in operation upon the highways of this State or at the premises or places of business of the owner or lessee of such vehicles provided, however, that such officer or employee has been authorized to inspect by the Director of the Division of Motor Vehicles and provided he or she has been trained in the techniques and procedures of inspection and has his or her certification card.

(b) Reports of the inspection described in subsection (a) of this Section shall be submitted to the Director of the Division of Motor Vehicles and to the Bureau of Pupil Transportation of the Department of Education. Such reports shall remain on file in the Division of Motor Vehicles and may be considered confidential in the event that further investigation is deemed necessary.

(c) Any authorized officer or employee shall declare and mark “out-of-service” any school bus which by reason of its mechanical condition may cause a breakdown or accident.

(d) Any school bus declared and marked “out-of-service” shall not be operated until all repairs have been satisfactorily completed. The term “operate” as used in this Section shall include towing the vehicle; provided however, that vehicles marked “out-of-service” may be towed by means of a vehicle using a crane or hoist; and provided further, that the vehicle combination consisting of the emergency towing vehicle and the “out-of-service” vehicle meets the performance requirements of N.J.S.A. 39:3-68.

(e) No person shall remove any marking indicating a school bus to be “out-of-service” prior to completion of all repairs.

(f) The person or persons completing the repairs required by the “out-of-service” notice shall certify to the Director the date and the time the required repairs were completed.

(g) No persons may be transported in a vehicle declared “out-of-service” prior to completion of all repairs.

(h) The driver of any school bus receiving notice that the vehicle is “out-of-service” shall deliver such notice to the owner or lessee operating the vehicle upon his arrival at the

next terminal or facility of the owner or lessee. It shall be the sole responsibility of the owner or lessee that such notice is returned to the Division of Motor Vehicles in accordance with the terms prescribed thereon and in subsections (d) and (e) of this Section.

(i) The owner or lessee shall carefully examine such notice. Any and all defects noted thereon shall be corrected. The driver's failure to comply with this Section shall not excuse the owner or lessee from taking appropriate action to correct defects which come to his attention by any means whatsoever.

(j) Within 15 days following the date of the vehicle inspection, the owner or lessee shall forward to the Division a certificate of action taken as a result of said inspection.

Amended by R.1996 d.28, effective January 16, 1996.  
Sec: 27 N.J.R. 4140(a), 28 N.J.R. 272(a).

### 13:20-30.6 Damaged vehicles inspection

No owner or lessee shall permit or require a driver to drive nor shall any driver drive a school bus which has been damaged in an accident or by other cause until inspection has been made by a person qualified to ascertain the nature and extent of the damage and the relationship of such damage to the safe operation of the school bus nor shall such school bus be operated until such person has determined it to be in safe operating condition.

### 13:20-30.7 Vehicle condition report by driver

(a) Every owner or lessee operating one or more school buses shall require its drivers to report and every driver shall prepare such a report in writing at the beginning of his day's work or tour of duty, which report shall list any defect or deficiency of the school bus discovered by said driver as would be likely to affect the safety of operation of the school bus or result in its mechanical breakdown or shall indicate that no such defects or deficiencies were discovered by him.

(b) Such reports shall be carefully examined, the defects reported thereon shall be checked and the report shall become a part of the permanent records required to be maintained under Section 30.3 (Inspection and maintenance) of this Chapter.

### 13:20-30.8 Required practices

(a) The following items of equipment are required to be inspected and maintained at least once every three months:

1. All brake-lines and lining;
2. Drive lines;
3. Doors, aisles and seats;
4. Tires, wheels and flaps;
5. Springs;
6. Emergency equipment;
7. Fuel system;
8. Cooling system;
9. Lighting devices, horns and mirrors;
10. Transmission system;
11. Steering equipment;
12. Axles and the tie rod assemblies;
13. Clutch;
14. Exhaust system;
15. Glazing and wipers;
16. Safety equipment required by New Jersey Department of Education.

### 13:20-30.9 Standards; alteration of standards

(a) All equipment subject to inspection shall meet the standards now or hereafter prescribed by statute, by regulation of the Director of the Division of Motor Vehicles, and by regulation of the New Jersey Department of Education.

(b) The Director may alter or amend any standard if, in his discretion, he finds that such standard is contrary to safe operation.

### 13:20-30.10 Certification

(a) Every owner or lessee must certify to the Director on a form prescribed that he has inspected and maintained his vehicles in conformity to this subchapter.

(b) Such certification shall be made once every 12 months.

### 13:20-30.11 Penalties

Any owner or lessee who violates any provision of this subchapter may be subject to the suspension or revocation of his New Jersey registration and license privileges.

**13:20-30.12 Compliance with diesel emission standards, equipment requirements, and test procedures; periodic inspection**

(a) Except as otherwise provided in P.L. 1995, c.157, diesel-powered school buses registered in New Jersey shall be subject to applicable diesel emission standards established by the Department of Environmental Protection at N.J.A.C. 7:27-14, an examination of the muffler and diesel emission control apparatus pursuant to N.J.A.C. 7:27-14, and diesel test procedures set forth in N.J.A.C. 7:27B-4.

(b) Diesel-powered school buses registered in New Jersey shall be subject to periodic inspection in accordance with N.J.A.C. 13:20-30.5(a) at the premises or places of business of the owner or lessee of such vehicles to determine compliance with (a) above.

New Rule, R.1997 d.392, effective September 15, 1997.  
See: 29 N.J.R. 1264(a), 29 N.J.R. 4149(a).

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SUBCHAPTER 31. (RESERVED)

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SUBCHAPTER 32. INSPECTION STANDARDS AND TEST PROCEDURES TO BE USED BY OFFICIAL INSPECTION FACILITIES

**13:20-32.1 Definitions**

The following words and terms, when used in this subchapter, shall have the following meanings unless the context clearly indicates otherwise.

“Certificate of approval” means an inspection sticker issued by an official inspection facility, a licensed private inspection facility, or a State specialty inspection facility certifying that a motor vehicle complies with the requirements of Title 39 and Title 26 of the Revised Statutes, N.J.A.C. 13:20-43, this subchapter or N.J.A.C. 13:20-33, whichever is applicable, and N.J.A.C. 7:27-15 and 7:27B-5 regarding the inspection of motor vehicles.

“Certificate of waiver” means an inspection sticker issued by an official inspection facility evidencing that a motor vehicle has successfully passed a safety inspection but that the requirements of compliance with N.J.A.C. 13:20-43 and the rules adopted by the Department of Environmental Protection pertaining to emission inspection standards have been waived by the Division for the particular inspection cycle for which the waiver is granted.

“Director” means the Director of the Division of Motor Vehicles in the Department of Transportation in the State of New Jersey.

“Division” means the Division of Motor Vehicles in the Department of Transportation in the State of New Jersey.

“Gross vehicle weight rating” or “GVWR” means the value specified by the manufacturer as the maximum loaded weight of a single or combination (articulated) vehicle.

“Official inspection facility” means a test-only inspection facility that the State Treasurer has contracted for pursuant to section 4 of P.L. 1995, c.112.

“Private inspection facility” means any person, partnership, or corporation licensed by the Division pursuant to N.J.A.C. 13:20-44 to perform the motor vehicle inspections required by N.J.S.A. 39:8-1.

“State specialty inspection facility” means a test-only inspection facility that is operated by the Division to inspect certain motor vehicles as specified in N.J.A.C. 13:20-7.3(d).

Administrative change.  
See: 33 N.J.R. 4388(a).

**13:20-32.2 General provisions; official inspection facilities**

(a) This subchapter contains the inspection standards and test procedures to be used by official inspection facilities when inspecting and certifying automobiles, trucks, modified buses with a capacity of not more than 15 passengers which have been issued passenger, governmental, no fee, or commercial vehicle license plates by the Division, and motorcycles for compliance with inspection standards.

(b) Official inspection facilities shall be authorized to engage in the inspection, reinspection and certification of automobiles, trucks, modified buses with a capacity of not more than 15 passengers which have been issued passenger, governmental, no fee, or commercial vehicle license plates by the Division, and motorcycles; provided, however, official inspection facilities shall not inspect modified buses with a capacity of more than 15 passengers, school buses, buses which are subject to inspection by the Division’s Commercial Bus Inspection and Investigation Unit, jitneys as defined in N.J.A.C. 13:20-44.2, or motor vehicles with elevated chassis height which are subject to inspection in accordance with N.J.A.C. 13:20-37.

(c) An official inspection facility shall be authorized to affix an inspection certificate of approval on a motor vehicle upon:

1. Initial inspection as certification of compliance with inspection requirements; and
2. Reinspection as certification that defects for which the motor vehicle was initially rejected have been repaired, adjusted, or corrected to bring the motor vehicle into compliance with inspection requirements.

(d) An official inspection facility shall be authorized to affix a certificate of waiver on a motor vehicle which satisfies all of the requirements of N.J.A.C. 13:20-43.13.

(e) If an automobile, truck, or modified bus with a capacity of not more than 15 passengers registered in New Jersey conforms to the inspection standards set forth in this subchapter and the inspection standards established by the Department of Environmental Protection at N.J.A.C. 7:27-15 and 7:27B-5, the motor vehicle shall be certified by an official inspection facility by removing the previous inspection certificate of approval, certificate of waiver, or inspection rejection sticker, if any, and replacing it with a current inspection certificate of approval. The inspection certificate of approval issued by an official inspection facility shall be affixed to the lower left corner of the windshield inside the passenger compartment of the motor vehicle, approximately three inches from the bottom of the windshield and approximately four inches from the left side of the windshield, but in every case, the inspection certificate of approval shall be completely visible from the front of the motor vehicle. The inspection certificate of approval shall be affixed in an upright position.

(f) If an automobile, truck, or modified bus with a capacity of not more than 15 passengers registered in New Jersey does not conform to the inspection standards set forth in this subchapter or the inspection standards established by the Department of Environmental Protection at N.J.A.C. 7:27-15 and 7:27B-5, an official inspection facility shall present the motor vehicle inspection report or inspection card for such motor vehicle to the operator thereof, and shall affix an inspection rejection sticker to the lower left corner of the windshield inside the passenger compartment of the motor vehicle directly above the previous certificate of approval or certificate of waiver, if any, affixed to the windshield. If there is no previous certificate of approval or certificate of waiver affixed to the windshield, an official inspection facility shall affix an inspection rejection sticker and a numerical month indicator to the lower left corner of the windshield inside the passenger compartment of the motor vehicle. If the motor vehicle that has failed inspection is a used motor vehicle that has been presented for inspection upon transfer of ownership in accordance with N.J.A.C. 13:20-7.4(c)1, 7.4(d), or 7.4(e)1, an official inspection facility shall remove the previous inspection certificate of approval, certificate of waiver, collector motor vehicle windshield sticker, and/or inspection rejection sticker, if any, affixed to the windshield and shall affix an inspection rejection sticker and a numerical month indicator to the lower left corner of the windshield inside the passenger compartment of the motor vehicle. The inspection rejection sticker shall be an indication that adjustments, corrections, or repairs to the motor vehicle which has failed inspection must be made and the motor vehicle presented for reinspection within the period of time set forth in N.J.A.C. 13:20-7.5.

(g) Notwithstanding (f) above, if an automobile, truck, or modified bus with a capacity of not more than 15 passengers registered in New Jersey does not conform to the inspection standards set forth in this subchapter or the inspection standards established by the Department of Environmental Protection at N.J.A.C. 7:27-15 and 7:27B-5 and the nature of the defect(s) found is such as to constitute a hazard to the public safety so as to require immediate repairs to such motor vehicle, an official inspection facility shall present the motor vehicle inspection report or inspection card for such motor vehicle to the operator thereof, shall remove the previous inspection certificate of approval, certificate of waiver and/or inspection rejection sticker, if any, and shall affix a "48 hour" inspection rejection sticker to the lower left corner of the windshield inside the passenger compartment of the motor vehicle. A defect which constitutes a hazard to the public safety so as to require immediate repairs to a motor vehicle shall include, but not be limited to, the items specified in N.J.A.C. 13:20-7.6(b). The "48 hour" inspection rejection sticker shall be an indication that the defect(s) deemed to constitute a hazard to the public safety must be repaired and the motor vehicle presented for reinspection within the period of time set forth in N.J.A.C. 13:20-7.6(a).

(h) If a motor vehicle registered in New Jersey satisfies all of the requirements of N.J.A.C. 13:20-43.13 for the issuance of a certificate of waiver, an official inspection facility shall remove the previous inspection certificate of approval, certificate of waiver and/or inspection rejection sticker and shall replace it with a current certificate of waiver. The certificate of waiver issued by an official inspection facility shall be affixed to the lower left corner of the windshield inside the passenger compartment of the motor vehicle, approximately three inches from the bottom of the windshield and approximately four inches from the left side of the windshield, but in every case, the certificate of waiver shall be completely visible from the front of the motor vehicle. The certificate of waiver shall be affixed in an upright position.

(i) If a motorcycle registered in New Jersey conforms to the inspection standards set forth in this subchapter, the motorcycle shall be certified by an official inspection facility by affixing a current inspection certificate of approval to the right side of the rear license plate, equally centered between the upper right and lower right corners of the license plate, in such a position as to be easily visible for enforcement purposes. The inspection certificate of approval shall be affixed in an upright position. If there is a previous certificate of approval affixed to the rear license plate at the location specified in this subsection, the new certificate of approval shall be affixed so as to cover the previous certificate of approval. If there is a previous certificate of approval affixed to the rear license plate at a location other than that specified in this subsection, the new certificate of approval shall be affixed at the location specified in this subsection.

APPENDIX

SUGGESTED METHOD FOR ESTIMATING GENERATOR OR ALTERNATOR CAPACITY

Constant Load

Equipment	Number of Units	Current Draw (Amperes)
Ignition	1	2.50 (average)
Head lamps (Type 2 dual lower beam)	2	8.40
Tail lights	2	1.18
Clearance lights	4	2.36
Cluster lights	6	3.54
Body instrument panel	1	0.80
Primary front heater motors	2	24.00
Primary defroster motor	1	12.00
Supplementary front heater motor	1	12.00
Supplementary defroster motor	1	12.00

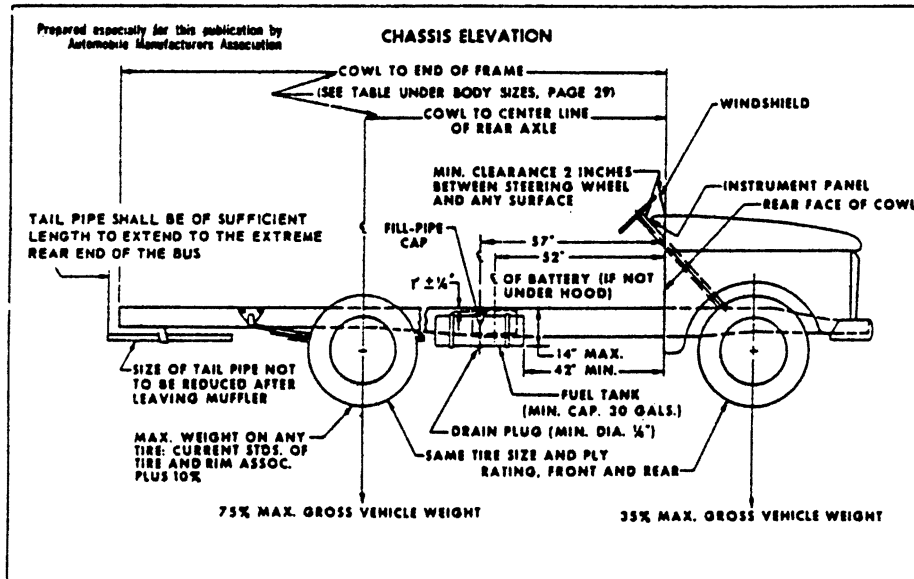
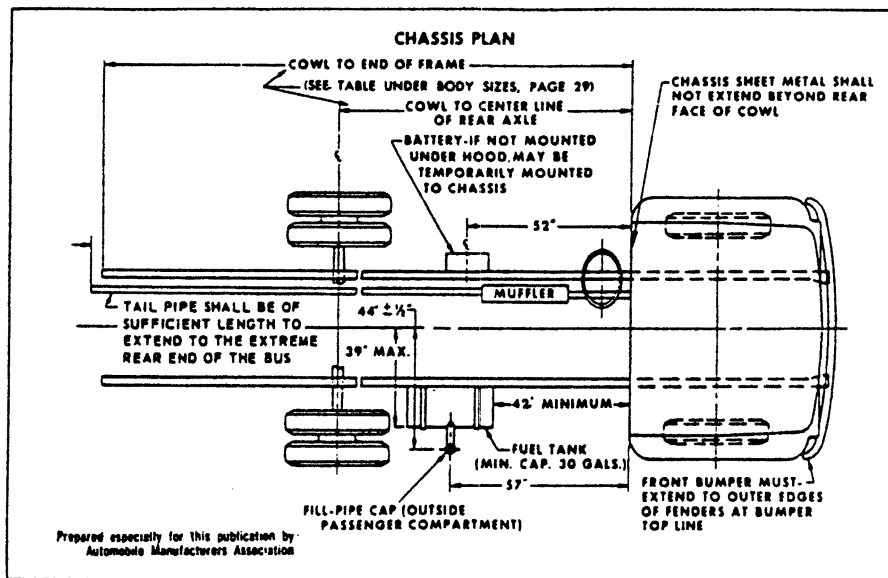
Equipment	Number of Units	Current Draw (Amperes)
Underseat heater motors	2	10.50
Underseat heater motor	1	8.50
Defroster fan motor	1	3.50
Windshield wipers	1	14.00
Fuel pump	1	3.00
Emergency door buzzer	1	1.00

Intermittent Load		
Flasher motor	1	2.90
Alternately flashing signal lamps	2	11.60
Step-well and 6 interior dome lights	1	5.64
Individual additional dome lights	1	0.94
Stop (brake) lights	4	6.60
Turn signals	2	2.36

To determine the electrical load (in amperes) for a typical school bus, the following formula is recommended:

$$\text{Constant Load} + 35\% \text{ of intermittent load} = \frac{3}{4} \text{ total load}$$





“SAE” means Society of Automotive Engineers, Inc.

“SBMI” means School Bus Manufacturers Institute.

“School bus” or “bus” when used in this subchapter shall refer to Types A, B, C and D buses and shall be classified in the following manner:

1. A Type “A” school bus is a conversion or body constructed upon a van-type compact truck or a front-section vehicle, with a GVWR of 10,000 pounds or less, designed for carrying 10 to 16 passengers;

2. A Type “B” school bus is a conversion or body constructed and installed upon a van or front-section vehicle chassis, or stripped chassis, with a GVWR of more than 10,000 pounds, designed for carrying 10 to 25 passengers. Part of the engine is beneath and/or behind the windshield and beside the driver’s seat. The entrance door is behind the front wheels;

3. A Type “C” school bus is a body installed upon a flat back cowl chassis with a GVWR of more than 10,000 pounds, designed for carrying 10 to 54 passengers. The engine is in front of the windshield, or part of the engine is beneath and/or behind the windshield and beside the driver’s seat. The entrance door is behind the front wheels;

4. A Type “D” school bus is a body installed upon a chassis, with the engine mounted in the front, midship, or rear, with a GVWR of more than 10,000 pounds, designed for carrying 10 to 54 passengers. The engine may be behind the windshield and beside the driver’s seat; it may be at the rear of the bus, behind the rear wheels, or midship between the front and rear axles. The entrance door is ahead of the front wheels;

5. A Type “I” school bus is any vehicle with a seating capacity of 17 or more passengers used for the transportation of students to and from school or school related activities. This identification regulates the type of vehicle registration required by the New Jersey Division of Motor Vehicles; and

6. A Type “II” school bus is any vehicle with a seating capacity of 16 passengers or less used for the transportation of students to and from school or school related activities. This identification regulates the type of vehicle registration required by the New Jersey Division of Motor Vehicles.

“School bus warning lamps” are eight alternately flashing red or amber lamps mounted horizontally both front and rear, intended to identify a vehicle as a school bus and to inform other users of the highway that the vehicle is stopped or about to stop.

“Service brake” means the primary mechanism designed to stop a motor vehicle.

“Strobe school bus warning lamps” means a school bus warning lamp system utilizing eight electronic sealed beam flash tubes.

“Webbed belt” means a narrow fabric belt woven with continuous filling yarns and finished selvages.

### 13:20-49A.3 Certification

(a) The chassis and/or body manufacturer and any manufacturer of school bus equipment required by this subchapter shall, upon request, provide evidence and/or certify to the Division of Motor Vehicles and the user that their product meets the minimum standards of this subchapter and all applicable FMVSS.

(b) Any person who alters, converts, or modifies a certified “completed vehicle” used to transport students shall certify to the Division of Motor Vehicles and the user that all modifications conform to applicable design, construction, testing, and performance standards contained in this chapter.

(c) School bus vendors who sell or lease buses for student transportation shall issue a “Vendor Certification Statement”, to the buyer or lessee, signed by an authorized agent or officer of the company certifying that the bus meets all State and Federal requirements.

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## SUBCHAPTER 49B. CHASSIS STANDARDS

### 13:20-49B.1 Air cleaner

(a) The engine intake air cleaner system shall be furnished and properly installed by the chassis manufacturer to meet engine manufacturer’s specifications.

(b) The intake air system for diesel engines may have an air cleaner restriction indicator properly installed by the chassis manufacturer to meet engine specifications.

### 13:20-49B.2 Axles

The front axle and rear differential, including suspension assemblies, shall have a gross axle weight rating at ground at least equal to that portion of the load as would be imposed by the chassis manufacturer’s maximum gross vehicle weight rating.

### 13:20-49B.3 Brakes

(a) A braking system, including service brake and parking brake, shall be provided.

(b) Buses using air or vacuum in the operation of the brake system shall be equipped with warning signals, readily audible and visible to the driver, that will give a continuous warning when the air pressure available in the system for

braking is 60 pounds per square inch or less or the vacuum in the system available for braking is eight inches of mercury or less. The audible warning signal shall be capable of alerting the driver while the bus is being operated in traffic. An illuminated gauge shall be provided that will indicate to the driver the air pressure in pounds per square inch or the inches of mercury vacuum available.

1. Vacuum-assist brake systems shall have a reservoir used exclusively for brakes that shall be adequate to ensure loss in vacuum at full stroke application of not more than 30 percent when the engine is not running. The brake system on gas-powered engines shall include suitable and convenient connections for the installation of a separate vacuum reservoir.

2. The brake system dry reservoir shall be safeguarded by a check valve or equivalent device, that in the event of failure or leakage in its connection to the source of compressed air or vacuum, the stored dry air or vacuum shall not be depleted by the leakage or failure.

(c) Buses using a hydraulic assist-brake system shall be equipped with warning signals, readily audible and visible to the driver, that will provide continuous warning in the event of a loss of fluid flow from the primary source or loss of the electric source powering the backup system.

(d) The brake lines and booster assist lines shall be protected from excessive heat and vibration and shall be installed to prevent chafing.

(e) The brake system shall be designed to permit visual inspection of brake lining wear without removal of any chassis components.

(f) The parking brake shall hold the vehicle stationary, or to a limit of traction of the braked wheels, on a 20 percent grade under any condition of legal loading and on a surface free from snow, ice and loose material.

(g) When applied, the parking brake shall remain in an applied position with the capacity set forth in (f) above despite exhaustion of the source of energy used for the application or leakage of any kind.

(h) A parking brake lever shall be mounted to the right of the driver in a position that is easily accessible.

1. On Types A and B buses, the parking brake lever may be mounted in accordance with the chassis manufacturer's standards.

(i) The parking brake shall be equipped with a warning device visible to the driver which will indicate that the parking brake is on.

#### **13:20-49B.4 Bumper, front**

(a) The front bumper shall be furnished by the chassis manufacturer as part of the chassis.

1. The Type D bus front bumper may be furnished by the body or chassis manufacturer.

(b) The front bumper shall be of pressed steel channel or equivalent material at least  $\frac{3}{16}$  inch thick and not less than eight inches high and shall extend beyond the forward-most part of the body, grille, hood, and fenders and shall extend to outer edges of the fenders at the bumper top line.

(c) The front bumper, except breakaway bumper ends, shall be of sufficient strength to permit pushing a vehicle of equal gross vehicle weight without permanent distortion to bumper, chassis, or body.

(d) An energy absorbing front bumper, which conforms to current FMVSS test requirements, may be used. Its design shall incorporate a self-restoring energy absorbing system of sufficient strength to:

1. Push another vehicle of similar GVW without permanent distortion to the bumper, chassis, or body; and

2. Withstand repeated impacts without damage to the bumper, chassis or body according to current NSFBS.

(e) Tow eyes or hooks shall be furnished and attached so as not to project beyond the front bumper. Tow eyes or hooks attached to the chassis frame, shall be furnished by the chassis manufacturer. This installation shall be in accordance with the chassis manufacturer's standards.

#### **13:20-49B.5 Clutch**

The clutch torque capacity shall be equal to or greater than the engine torque output.

#### **13:20-49B.6 Color**

The chassis, including front bumper, shall be black. The cowl, fenders and hood shall be National School Bus Yellow. The hood may be painted non-reflective National School Bus Yellow. Wheels and rims shall be black, gray, white, or silver. The grille shall be chrome, silver, gray, or National School Bus Yellow.

#### **13:20-49B.7 Drive shaft**

Each segment of the drive shaft shall be equipped with a metal guard or guards around its circumference to prevent the drive shaft from whipping through the floor or dropping to the ground if broken.

#### **13:20-49B.8 Electrical system**

(a) Buses shall be equipped with a battery or batteries as specified by the manufacturer.

1. The storage battery shall have a minimum cold cranking capacity rating equal to the cranking current required for 30 seconds at 0 degrees Fahrenheit ( $-17.8^{\circ}\text{C}$ ) and a minimum reserve capacity rating of 120 minutes at 25 amps. Higher capacities may be required depending upon optional equipment and local environmental conditions.

(c) Above instruments and gauges shall be mounted on an instrument panel in such a manner that each is clearly visible to the driver while in normal seated-belted position in accordance with current SBMI design objectives.

(d) The instrument panel shall have lamps of sufficient candlepower to illuminate all instruments, gauges and the shift selector indicator for an automatic transmission.

(e) All gauges and instruments must be appropriately identified.

#### 13:20-49B.18 Oil filter

An oil filter with replaceable element shall be provided and shall be connected by flexible oil lines if it is not of built-in or engine mounted design. The oil filter shall have a minimum capacity of one quart.

#### 13:20-49B.19 Openings

All openings in the floorboard or firewall between chassis and passenger compartment, such as for gearshift selector/lever and parking brake lever, shall be sealed.

#### 13:20-49B.20 Passenger load

(a) The gross vehicle weight (GVW) is the sum of the chassis weight, plus the body weight, plus the driver's weight, plus total seated pupil weight.

1. For purposes of calculation:
  - i. The driver's weight is 150 pounds; and
  - ii. The pupil weight is 120 pounds per pupil.

(b) The GVW shall not exceed the chassis manufacturer's GVWR for the chassis.

(c) Buses with a GVWR in excess of 26,001 pounds shall display the GVWR on the sides of the bus as required by the Division of Motor Vehicles.

#### 13:20-49B.21 Power and gradeability

The GVW shall not exceed 185 pounds per published net horsepower of the engine at the manufacturer's recommended maximum number of revolutions per minute.

#### 13:20-49B.22 Retarder system

A retarder system may be used which shall maintain the speed of the fully loaded school bus at 19.0 mph or 30 kph on a seven percent grade for 3.6 miles or six km.

#### 13:20-49B.23 Shock absorbers

Buses shall be equipped with front and rear double-action shock absorbers compatible with manufacturer's rated axle capacity at each wheel location.

#### 13:20-49B.24 Springs

(a) The capacity of the springs or suspension assemblies shall be commensurate with the chassis manufacturer's GVWR.

(b) If leaf type rear springs are used, they shall be of a progressive type.

#### 13:20-49B.25 Steering gear

(a) The steering gear shall be approved by the chassis manufacturer and designed to assure safe and accurate performance when a vehicle is operated with maximum load and at maximum speed.

(b) The steering mechanism shall be accessible for external adjustment.

(c) No changes shall be made in the steering apparatus which are not approved by the chassis manufacturer.

(d) There shall be a clearance of at least two inches between the steering wheel and the cowl, instrument panel, windshield, or any other surface.

(e) Power steering is required and shall be of the integral type with integral valves.

(f) The steering system shall be designed to provide a means of lubrication for all wear points, if wear points are not permanently lubricated.

#### 13:20-49B.26 Tires and rims

(a) Tires and rims of proper size and tires with load rating commensurate with chassis manufacturer's GVWR shall be provided.

(b) Tubeless tires mounted on one-piece drop center rims may be used.

(c) All tires shall be of the same size, construction and load rating. The load rating shall meet or exceed the GAWR in accordance with current applicable FMVSS.

1. Tires on Types C and D buses may be of more than one type construction provided all tires on the same axle are the same type of construction.

(d) If a bus is equipped with a spare tire and rim assembly, it shall be of the same size as those mounted on the bus.

(e) If a bus is equipped with a tire carrier, it shall be suitably mounted in an accessible location outside the passenger compartment.

(f) The tire tread depth shall at no time be less than 4/32 of an inch on the front tires and 2/32 of an inch on the rear tires as measured on two adjacent treads by a Dill gauge or its equivalent.

(g) Regrooved or recapped tires shall not be used on the front wheels of a bus.

(h) Dual rear tires shall be provided on Types B, C, and D buses.

(i) Tire chains, snow tires or all weather tires shall be used for the drive wheels to enhance the safe operation of the bus in areas of snow and ice.

#### 13:20-49B.27 Transmission

(a) When an automatic transmission is used, it shall provide for not less than three forward speeds and one reverse speed.

(b) When a manual transmission is used, second gear and higher shall be synchronized except when incompatible with engine power. A minimum of three forward speeds and one reverse speed shall be provided.

(c) A diagram of the shifting control pattern shall be located in a position easily visible to the driver.

(d) There shall be a detent on the automatic transmission shift lever to insure that the transmission cannot accidentally move from neutral to a drive gear without driver effort.

(e) Buses which are not equipped with a park position on the shift control selector for automatic transmissions shall be equipped with a heavy duty parking brake.

(f) The transmission shift control lever/mechanism shall be mounted to the right of the steering column.

#### 13:20-49B.28 Turning radius

(a) A chassis with a wheel base of 264 inches or less shall have a right and left turning radius of not more than 42½ feet, curb to curb measurement.

(b) A chassis with a wheelbase of 265 inches or more shall have a right and left turning radius of not more than 44½ feet, curb to curb measurement.

#### 13:20-49B.29 Undercoating

The undersides of steel or metallic-constructed front fenders shall be coated with rust-proofing compound.

#### 13:20-49B.30 Weight distribution

The weight distribution of a fully loaded bus on a level surface shall not exceed the manufacturer's front and rear GAWR.

### SUBCHAPTER 49C. BODY STANDARDS

#### 13:20-49C.1 Aisle

(a) The minimum clearance of all aisles shall be 12 inches.

1. The aisle leading to an exit door or a rear emergency exit shall be a minimum width of 12 inches.

2. The aisle leading from the center aisle to a side emergency door shall be a minimum width of 24 inches.

3. The aisle leading to an emergency or lift door from a wheelchair position shall be a minimum width of 30 inches.

(b) Aisles shall be unobstructed at all times by any type barrier, seat, or other object.

(c) The seat backs shall be slanted sufficiently to give aisle clearance of 15 inches at the tops of seat backs.

(d) This rule also applies to buses under the jurisdiction of the Department of Transportation, approved for school use, contracted by a local board of education for transportation to and from school.

#### 13:20-49C.2 Back-up warning alarm

An automatic audible alarm shall be installed behind the rear axle of the bus and shall comply with current applicable SAE standards for rubber tired vehicles.

#### 13:20-49C.3 Battery

(a) A battery is to be furnished by the chassis manufacturer.

(b) When the battery is mounted as described in the chassis standards of N.J.A.C. 13:20-49B.8(a), the body manufacturer shall securely attach battery on a slide-out or swing-out tray in a closed, vented compartment in the body skirt, so that the battery may be exposed to the outside for convenient servicing. The battery compartment door or cover shall be hinged at the front or top and secured by an adequate and conveniently operated fastening device.

#### 13:20-49C.4 Bumpers

(a) The front bumper shall be provided by the chassis manufacturer.

1. The bumper on a Type D bus may be furnished by the body or chassis manufacturer.

2. A front safety shield attached directly under the bus front bumper may be used. It shall be constructed of rigid plastic, fiberglass, steel or equivalent material designed to withstand abnormal vibration, severe atmosphere conditions and removable to permit towing. The shield's overall width shall not exceed maximum front tire width, when bus wheels are in a straight ahead position and shall terminate 12 to 14 inches above the road surface. Front surface may be either solid, perforated or louvered and shall be black.

(b) A rear bumper shall be provided which is constructed of pressed steel channel or equivalent material at least 3/16 inch thick.

(c) Glass in all side and rear windows shall be of AS-2 or better grade. Equivalent plastic AS-4 or better shall only be used in side windows of the bus behind the driver.

(d) The windshield shall have a horizontal gradient tinted band starting slightly above the line of a driver's vision and gradually decreasing in light transmission to 20 percent or less at the top of the windshield. Glass in the windshield shall be of AS-1 grade.

1. Glass in the windshield shall be heat-absorbent, laminated plate. The windshield shall be large enough to permit the driver to see the roadway clearly, shall be slanted to reduce glare, and shall be installed between the front corner posts that are so designed and placed as to afford minimum obstruction to the driver's view of the roadway.

(e) All glass in the windshield, windows and doors shall be approved safety glass, so mounted that a permanent mark is visible, and of sufficient quality to prevent distortion of the view in any direction.

(f) All exposed edges of glass shall be banded.

(g) The windows in the rear of the bus shall be stationary.

(h) Windows shall be free of window guards or bars both inside and outside.

**13:20-49C.47 Windshield washers**

A windshield washer system shall be provided.

**13:20-49C.48 Windshield wipers**

(a) A windshield wiping system, two-speed or more, shall be provided.

(b) The wipers shall be operated by one or more air or electric motors of sufficient power to operate wipers. If one motor is used, the wipers shall work in tandem to give full sweep of windshield.

**13:20-49C.49 Wiring**

(a) All wiring shall conform to current applicable SAE standards.

(b) Wiring shall be arranged in circuits as required with each circuit protected by a fuse or circuit breaker. One extra fuse for each size fuse which is used on the bus shall be conveniently located in the fuse area unless the bus is equipped with circuit breakers. A system of color and number coding shall be used.

1. The following body interconnecting circuits shall be color coded as follows:

Function	Color
Left Rear Directional Light	Yellow
Right Rear Directional Light	Dark Green
Stoptlights	Red

Function	Color
Back-Up Lights	Blue
Taillights	Brown
Ground	White
Ignition Feed, Primary Feed	Black

2. The color of the cables shall correspond to current applicable SAE standards.

3. Wiring shall be arranged in at least six regular circuits, as follows:

- i. Head, tail, stop (brake), and instrument panel lamps;
- ii. Clearance and step-well lamps (step-well lamp shall be actuated when entrance door is opened);
- iii. Dome lamp;
- iv. Ignition and emergency door signal;
- v. Turn signal lamps; and
- vi. Alternately flashing signal lamps.

4. Any of above combination circuits may be subdivided into additional independent circuits.

5. Whenever heaters and defrosters are used, at least one additional circuit shall be installed.

6. Whenever possible, all other electrical functions (such as sanders and electric-type windshield wipers) shall be provided with independent and properly protected circuits.

7. Each body circuit shall be coded by number or letter on a diagram of circuits and shall be attached to the body in readily accessible location.

(c) The entire electrical system of the body shall be designed for the same voltage as the chassis on which the body is mounted.

(d) All wiring shall have an amperage capacity equal to or exceeding the designed load. All wiring splices shall be in an accessible location and noted as splices on the wiring diagram.

(e) An easily readable body wiring diagram shall be furnished with each bus body or affixed in an area convenient to the electrical accessory control panel.

(f) The main power supply to the body shall be attached to a terminal on the chassis.

(g) Wires passing through metal openings shall be protected by a grommet.

(h) Wires not enclosed within the body shall be fastened securely at intervals of not more than 18 inches. All joints shall be soldered or joined by equally effective connectors.

(i) A heavy duty solenoid switch shall be installed in main electric power supply line to body circuits on Types B, C and D buses. The solenoid switch shall be energized by the bus ignition switch. Hazard and directional signal lamp circuits shall operate independently of the ignition switch.

## SUBCHAPTER 49D. SPECIALLY EQUIPPED SCHOOL BUS STANDARDS

### 13:20-49D.1 Scope

(a) The following standards address modifications to buses designed for transporting students with special transportation needs. These standards are supplementary to the chassis and body standards established in N.J.A.C. 13:20-49B and 49C.

(b) Specially equipped buses shall meet the body and chassis standards of N.J.A.C. 13:20-49B and 49C prior to any modifications made for mobile seating device positions or special equipment such as a power lift.

(c) A bus used for the transportation of children confined to a wheelchair or other mobile positioning device, or who require life support equipment which prohibits the use of the entrance door, shall be equipped with a power lift.

### 13:20-49D.2 Aisle

The aisle leading to emergency and power lift doors from a wheelchair position shall be a minimum width of 30 inches.

Amended by R.1994 d.404, effective August 1, 1994.  
See: 26 N.J.R. 1997(a), 26 N.J.R. 3164(a).

### 13:20-49D.3 Communications

Buses shall be equipped with an electronic voice communication system, preferably not citizen band equipment.

### 13:20-49D.4 Doors

(a) Buses with a power lift shall be equipped with a special entrance door to accommodate the power lift.

1. The door shall be located on the right side of the bus and designed so as not to obstruct the regular entrance door.

2. The opening may extend below the floor through the bottom of the body skirt. If such an opening is used, reinforcements shall be installed at the front and rear of the floor opening to support the floor. This opening shall be the same strength as other floor openings.

3. A drip molding shall be installed above the door opening to divert water from the entrance.

4. The door posts and headers shall be reinforced to provide support and strength equivalent to the sides of the bus.

5. A single door or double doors may be used.

6. The doors shall have fastening devices to hold the doors open.

7. The doors shall be weather sealed.

8. When manually operated dual doors are provided, the rear door shall have at least a one point fastening device to the header. The forward mounted door shall have at least three point fastening devices; one to the header, one to the floor line of the body, and one into the rear door.

i. The door and hinge mechanism strength shall be equivalent or greater than the strength of the emergency exit door.

9. The door material, panels and structural strength shall be equivalent to the entrance and emergency doors. The rub rail extensions, lettering and other exterior features shall match adjacent sections of the body.

10. The door shall have windows set in rubber compatible within one inch of the lower line of the adjacent sash.

11. Doors shall be equipped with a device that will actuate an audible or flashing visible signal, located in the driver's compartment, when the doors are not securely closed and the ignition is in the "on" position.

12. A switch shall be installed so that the lifting mechanism will not operate when the lift platform door is closed.

13. Doors shall be equipped with padding at the top edge of the door opening. The padding shall be at least three inches wide and one inch thick. It shall extend the full width of the door opening.

### 13:20-49D.5 Glass

(a) Tinted safety glass or tinted plastic may be installed in side windows of the bus to the rear of the driver which complies with applicable Division of Motor Vehicle requirements.

(b) Tinted safety glass shall be AS-3 or better grade.

### 13:20-49D.6 Identification

(a) A bus equipped with a power lift shall display at least one universal handicapped symbol on the back of the bus and below the windowline.

1. The symbol shall not exceed 12 inches in size, be white on a blue background, and be of a high intensity reflectorized material as specified in NSFBSB.

1. The bus shall contain a belt cutter for use in emergencies, including evacuations. The belt cutter shall be designed to prevent injuries during use and secured in a safe location.

#### 13:20-49D.15 Wheelchair and other mobile seating device requirements

(a) A wheelchair or other mobile seating device shall be equipped with an occupant restraint belt and hand brake which is furnished and maintained by the owner.

(b) An electric powered wheelchair shall be equipped with gel-cel (non-liquid electrolyte) battery. Batteries with liquid electrolyte are not permitted in the passenger compartment of the bus.

### SUBCHAPTER 49E. USE OF VEHICLES AS SCHOOL BUSES UNDER THE JURISDICTION OF THE DEPARTMENT OF TRANSPORTATION

#### 13:20-49E.1 Scope of exceptions and exemptions

The exceptions and exemptions hereinafter provided in this subchapter shall apply only to buses approved for school use by the Department of Transportation prior to May 21, 1993.

Amended by R.1992 d.397, effective November 2, 1992.  
See: 24 N.J.R. 2109(a), 24 N.J.R. 4069(a).

Added reference to Department of Transportation and effective date.

#### 13:20-49E.2 Exceptions and exemptions

(a) The prohibition of advertisements of any kind on either the interior or exterior of the school transportation bus shall not apply.

(b) The seat requirements pursuant to N.J.A.C. 13:20-49.1 and 49.23 shall not apply to longitudinal seats seating not more than four pupils.

(c) The entrance door and the emergency door with aisles leading to each shall be accepted as meeting the requirement for doors pursuant to N.J.A.C. 13:20-49.1 and 49.6.

(d) The requirement pursuant to N.J.A.C. 13:20-49.1 and 49.6 to have the words "Emergency Door" printed on the outside of the emergency door shall not apply.

(e) In lieu of the lettering, Type I school vehicles that are operated by a privately or publicly owned local transit system and used for regular common carrier transit route service as well as special school route service, shall meet all the requirements of N.J.A.C. 13:20-49.1 and 49.7, except as follows:

1. Such vehicles shall, while transporting children to and from school, be equipped with signs, located conspicuously on the front and back of the vehicle:

i. The sign on the front shall have the words "School Bus" printed in black letters not less than six inches high on a background of national school bus glossy yellow;

ii. The sign on the rear shall be at least ten square feet in size and shall be painted national school bus glossy yellow and have the words "School Bus" printed in black letters not less than eight inches high.

(f) The requirements for the main aisles and the aisle to the emergency door, pursuant to N.J.A.C. 13:20-49.1 and 49.12 shall not apply.

(g) The requirement pursuant to N.J.A.C. 13:20-49.1 for bumpers shall not apply.

(h) Window requirements pursuant to N.J.A.C. 13:20-49.1 and 49.11 shall not apply.

(i) The color requirements pursuant to N.J.A.C. 13:20-49.1, 49.14 and 49.15 shall not apply.

Amended by R.1974 d.90, effective April 11, 1974.

See: 6 N.J.R. 99(a), 6 N.J.R. 172(c).

Amended by R.1992 d.397, effective November 2, 1992.

See: 24 N.J.R. 2109(a), 24 N.J.R. 4069(a).

Deleted cross reference to obsolete rules and added cross reference to current rules in N.J.A.C. 6:21-5.

#### 13:20-49E.3 Certificate of inspection

(a) No autobus under jurisdiction of the Department of Transportation shall be used for school pupil transportation services, as defined in N.J.S.A. 18A:39-1 and under contract with a local board of education for transportation to and from school, unless such autobus is authorized on the certificate of inspection issued by the Department of Transportation.

(b) Owners or operators of buses approved by the Department of Transportation shall submit evidence of such approval to the county superintendent at such times as may be deemed necessary.

Amended by R.1992 d.397, effective November 2, 1992.

See: 24 N.J.R. 2109(a), 24 N.J.R. 4069(a).

Deleted obsolete reference to jurisdiction of the Board of Public Utilities and replaced with Department of Transportation.

#### 13:20-49E.4 Inspection by county superintendent

(a) The county superintendent may inspect any bus approved by the Department of Transportation for any item not covered by the approval of that department and from which they are not specifically exempted by these rules.

(b) Whenever, in the opinion of the county superintendent, a bus chassis or body is outworn or in a dilapidated condition, it shall not be used for pupil transportation.

Amended by R.1992 d.397, effective November 2, 1992.  
See: 24 N.J.R. 2109(a), 24 N.J.R. 4069(a).

Deleted obsolete reference to jurisdiction of the Board of Public Utilities and replaced with Department of Transportation.

## SUBCHAPTER 49F. SMALL VEHICLE STANDARDS

### 13:20-49F.1 Definition

A small vehicle is defined as any vehicle with a capacity of less than 10 passengers.

Repealed and replaced by R.1992 d.397, effective November 2, 1992.  
See: 24 N.J.R. 2109(a), 24 N.J.R. 4069(a).

### 13:20-49F.2 Scope

(a) These standards apply to a small vehicle used for the transportation of public school pupils to and from school and school related activities.

(b) These standards also apply to small vehicles used to transport nonpublic school pupils to and from school when services are provided by a district board of education.

(c) Small vehicles which have a gross vehicle weight rating (GVWR) of less than 3,000 pounds shall not be used after January 2, 1993. The GVWR is the value specified by the manufacturer as the maximum loaded weight of the vehicle.

New Rule, R.1992 d.397, effective November 2, 1992.  
See: 24 N.J.R. 2109(a), 24 N.J.R. 4069(a).

### 13:20-49F.3 Capacity

(a) The maximum number of pupils who may be transported in each vehicle shall be determined by the seat measurement. Fifteen inches of seat length shall be provided for each pupil.

(b) There shall be no standees.

Amended by R.1989 d.610, effective December 18, 1989.  
See: 21 N.J.R. 2724(a), 21 N.J.R. 3939(a).

Reformatted into subsections (a) and (b).

Amended and recodified from 9.2 by R.1992 d.397, effective November 2, 1992.

See: 24 N.J.R. 2109(a), 24 N.J.R. 4069(a).

Language made more specific.

### 13:20-49F.4 Chains or snow tires

The drive wheels of the vehicle shall be equipped with tire chains, all weather tires, or snow tires and used for safe operation in areas of snow and/or ice.

Amended by R.1989 d.610, effective December 18, 1989.  
See: 21 N.J.R. 2724(a), 21 N.J.R. 3939(a).

Deleted reference to "required by county superintendent of schools ...".

Amended and recodified from 9.3 by R.1992 d.397, effective November 2, 1992.

See: 24 N.J.R. 2109(a), 24 N.J.R. 4069(a).

Specified that "drive wheels" must be equipped with tire chains and all weather tires or snow tires as previously provided.

### 13:20-49F.5 Fire extinguisher

A fully charged dry chemical fire extinguisher with a pressure gauge approved by the Underwriters Laboratories, Inc. with the minimum Underwriters rating of 10 B.C. shall be provided. The extinguisher shall be mounted in a bracket in a convenient location.

Amended and recodified from 9.4 by R.1992 d.397, effective November 2, 1992.

See: 24 N.J.R. 2109(a), 24 N.J.R. 4069(a).

More specific requirements added including "dry chemical" fire extinguisher.

### 13:20-49F.6 First aid kit

(a) A removable first aid kit shall be provided. It should be a moisture and dust proof container without a lock, with the words FIRST AID printed on the cover. The contents shall be maintained as follows:

1. Six single unit sterile gauze pads, three inches × three inches;
2. Two one-inch × 10 yards gauze bandages;
3. One one-inch × 2½ yards adhesive tape rolls;
4. 12 bandaid plastic strips;
5. One triangular bandage approximately 40 inches by 54 inches with a safety pin; and
6. One pair rounded end scissors.

Amended by R.1989 d.610, effective December 18, 1989.

See: 21 N.J.R. 2724(a), 21 N.J.R. 3939(a).

Reworded subsection (a).

Amended and recodified from 9.5 by R.1992 d.397, effective November 2, 1992.

See: 24 N.J.R. 2109(a), 24 N.J.R. 4069(a).

Specified moisture proof container and rounded end scissors; deleted paper cups and first aid guide book.

### 13:20-49F.7 Floor covering

A securely attached nonskid material floor covering shall be provided.

Amended and recodified from 9.6 by R.1992 d.397, effective November 2, 1992.

See: 24 N.J.R. 2109(a), 24 N.J.R. 4069(a).

Grammatical changes only.

### 13:20-49F.8 Heater capacity

The heater shall be capable of bringing the interior temperature of the vehicle up to and maintain a minimum of 50 degrees Fahrenheit.

Amended and recodified from 9.7 by R.1992 d.397, effective November 2, 1992.

See: 24 N.J.R. 2109(a), 24 N.J.R. 4069(a).

Grammatical changes only.

### 13:20-49F.9 Minimum emergency equipment

Minimum emergency equipment consisting of a securely mounted spare tire, jack, and three red reflectorized triangle warning devices shall be provided.

Amended and recodified from 9.8 by R.1992 d.397, effective November 2, 1992.

See: 24 N.J.R. 2109(a), 24 N.J.R. 4069(a).

Added "reflectorized triangle" warning device.

### 13:20-49F.10 Rear-view mirrors

Approved rear-view mirrors shall be provided inside and outside the vehicle. Outside mirrors shall be mounted on both sides of the vehicle.

Amended and recodified from 9.9 by R.1992 d.397, effective November 2, 1992.

See: 24 N.J.R. 2109(a), 24 N.J.R. 4069(a).

Specified mirrors must be mounted on both sides.

### 13:20-49F.11 Seats and back rests

(a) Securely fastened seats and back rests shall be provided which are forward facing and spring or foam rubber upholstered.

(b) A "jump type" or folding seat is not permitted.

(c) The exit from any seat in the vehicle shall be clear of all obstructions.

(d) A vehicle shall not be used where the exit requires the folding of any seat ahead.

(e) A seat belt shall be provided for the driver and all passengers. Belts shall be properly maintained.

Amended and recodified from 9.10 by R.1992 d.397, effective November 2, 1992.

See: 24 N.J.R. 2109(a), 24 N.J.R. 4069(a).

Seat belts specified.

### 13:20-49F.12 Sun visor

An adjustable sun visor shall be provided.

Amended and recodified from 9.11 by R.1992 d.397, effective November 2, 1992.

See: 24 N.J.R. 2109(a), 24 N.J.R. 4069(a).

"Must" changed to "shall".

### 13:20-49F.13 Rear window

The rear window shall be nonventilating.

New Rule, R.1992 d.397, effective November 2, 1992.

See: 24 N.J.R. 2109(a), 24 N.J.R. 4069(a).

### 13:20-49F.14 Windshield wipers

Dual windshield wipers shall be provided.

Amended and recodified from 9.12 by R.1992 d.397, effective November 2, 1992.

See: 24 N.J.R. 2109(a), 24 N.J.R. 4069(a).

"Must" to "shall".

## SUBCHAPTER 49G. INSPECTION

### 13:20-49G.1 Applicability

(a) The provisions of this subchapter shall be applicable to all vehicles which are registered in this State, owned or leased by a district board of education, school bus contractor or individual under contract with a district board of education and used for transportation of pupils to and from school and/or to and from school related activities.

(b) All vehicles shall be systematically inspected twice within the year to ensure that such vehicles and accessories are in safe and proper operating condition. Time and location of inspection shall be established by the Director, Division of Motor Vehicles or the Commissioner, Department of Transportation, whichever is the appropriate agency. Nothing contained herein shall limit the Division of Motor Vehicles authority to require more frequent inspection of such vehicles when, in the Division's determination, the safety of pupils so requires.

Amended by R.1989 d.610, effective December 18, 1989.

See: 21 N.J.R. 2724(a), 21 N.J.R. 3939(a).

Editorial changes only.

### 13:20-49G.2 Division of Motor Vehicles inspection

(a) No school vehicle registered with the Division of Motor Vehicles which is owned by or under contract with a district board of education shall be used for transportation of pupils to and from school and/or to and from school related activities, as defined in N.J.S.A. 18A:39-1, unless such school vehicle is issued a school bus inspection sticker by the Division of Motor Vehicles. School vehicles shall be inspected or reinspected at Motor Vehicle Inspection Stations.

(b) The Division of Motor Vehicles is responsible for the school vehicle inspection of the following vehicle registrations:

1. S1 (School Vehicle Type I);
2. S2 (School Vehicle Type II);
3. Livery; and
4. Handicapped.

(c) Owners and operators of buses shall submit evidence of inspection by the Division of Motor Vehicles to the county superintendent of schools at such time as he or she may deem necessary.

(d) Parents who transport only their own child or children under contract with a district board of education are not required to utilize a vehicle registered as a school bus.

Amended by R.1989 d.610, effective December 18, 1989.

See: 21 N.J.R. 2724(a), 21 N.J.R. 3939(a).

Amended by R.1994 d.404, effective August 1, 1994.

See: 26 N.J.R. 1997(a), 26 N.J.R. 3164(a).

### 13:20-49G.3 Department of Transportation inspection

(a) No autobus under jurisdiction of the Department of Transportation and under contract with a district board of education shall be used for transportation of pupils to and from school, as defined in N.J.S.A. 18A:39-1, unless such autobus is authorized for school use on the certificate of inspection issued by the Department of Transportation.

(b) An autobus under the jurisdiction of the Department of Transportation is exempt from authorization for school use on the certificate of inspection issued by the Department of Transportation when being used on a preset franchised route and schedule or chartered for school related activities.

(c) The Department of Transportation is responsible for the inspection and certification for school use of the omnibus vehicle registration.

(d) Owners or operators of buses authorized for school use by the Department of Transportation shall submit evidence of such approval to the county superintendent of schools at such time as he or she may deem necessary.

(e) A bus authorized for school use by the Department of Transportation may be inspected by a county superintendent for compliance with the requirements of this chapter.

Amended by R.1989 d.610, effective December 18, 1989.

See: 21 N.J.R. 2724(a), 21 N.J.R. 3939(a).

Added new (b) and (e), recodified (b) and (c) as (c) and (d).

### 13:20-49G.4 Responsibility for reports and records

(a) School bus owners shall retain all records of inspection and quarterly maintenance reports for the life of the vehicle. Such records shall be available for review by the Division of Motor Vehicles and the Department of Transportation.

(b) Inspection records shall include:

1. A daily vehicle condition report by a driver. These reports must be retained for not less than 13 months;
2. A record of vehicle inspection;

3. A systematic inspection and quarterly maintenance record signed by the person making repairs and inspection which shall be maintained for each vehicle;

4. For leased or otherwise contracted vehicles, an identification of the lessor or contractor furnishing the school bus shall also be included.

Amended by R.1989 d.610, effective December 18, 1989.

See: 21 N.J.R. 2724(a), 21 N.J.R. 3939(a).

Changed "must" to "shall".

## SUBCHAPTER 49H. INSURANCE

### 13:20-49H.1 General provisions

(a) Each contractor and district board of education shall furnish liability insurance for bodily injury and property damage in the amount of \$1,000,000 combined single limit per occurrence for all vehicles which are used for pupil transportation to and from school and school related activities.

(b) Insurance shall be obtained through a company authorized to insure in New Jersey and shall cover the district board of education as an additional named insured.

(c) Self-insured transportation contractors and district boards of education as provided in N.J.S.A. 48:4-12 and 13 shall file a certificate of self-insurance with the county superintendent of schools.

(d) Policies or certificates of insurance shall accompany all contracts or renewals when transportation contracts or renewals are submitted to the county superintendent of schools for approval.

(e) Policies or certificates of insurance shall be submitted to the county superintendent of schools for approval whenever policies are amended, revised or renewed.

(f) Transportation contractors and district boards of education shall comply with these regulations as of September 1, 1990.

Amended by R.1989 d.610, effective December 18, 1989.

See: 21 N.J.R. 2724(a), 21 N.J.R. 3939(a).

Increased minimum limit of liability insurance from \$300/500,000 to \$1 million.

Amended by R.1994 d.404, effective August 1, 1994.

See: 26 N.J.R. 1997(a), 26 N.J.R. 3164(a).