

Title 11  
DEPARTMENT OF  
TRANSPORTATION  
Subtitle 14 MOTOR VEHICLE  
ADMINISTRATION — VEHICLE  
INSPECTIONS

**11.14.02 Safety Standards for Passenger Cars, Taxicabs, Light Trucks, Vans, Multipurpose Passenger Vehicles, and Type II School Vehicles**

Authority: Transportation Article, §§12-104(b), 23-101—23-105, and 24-106.1, Annotated Code of Maryland

*11.14.02.01*

**.01 Applicability.**

A. The standards, requirements and procedures set forth in this chapter are applicable to equipment originally installed by the manufacturer or required by federal or State requirements on passenger cars, taxicabs, light trucks 10,000 pounds and under GVWR, vans, multipurpose passenger vehicles with a chassis capacity up to 10,000 pounds, and type II school vehicles. Any questions regarding passenger cars, taxicabs, light trucks, vans, multipurpose passenger vehicles with a chassis capacity up to 10,000 pounds, and type II school vehicle standards or specifications shall be referred to the Automotive Safety Enforcement Division of the Maryland State Police. Any person constructing or reconstructing these types of vehicles shall assure the vehicle meets or exceeds all applicable federal or State safety standards.

B. Three-wheel multipurpose vehicles which have an enclosed occupant compartment shall meet all established minimum standards for four-wheel multipurpose vehicles with the exception of headlamps. If a three-wheel multipurpose vehicle which has an enclosed occupant compartment is constructed with one wheel in the front and the design of the vehicle's body is such that two headlamps are impractical, one headlamp meeting established minimum standards for motorcycles will be acceptable if the vehicle is equipped with parking lamps, turn signal lamps, and side marker lamps, as required, which adequately indicate the extreme width of the vehicle front and rear.

C. Vehicles specially constructed as an exact replica of a previously manufactured vehicle, which *have* been designated or otherwise would qualify as an historic vehicle or a vehicle of unique interest as defined by the Motor Vehicle Administration for registration of these original vehicles, shall meet all applicable established minimum standards for vehicles of the same model year in which the vehicle is actually constructed and titled with the following exceptions:

(1) Regulation 10A(2)(c), side marker lamps: If the original counterpart of the specially constructed vehicle was manufactured without side marker lamps, side marker lamps are not required on the exact replica;

(2) Regulation .08A: If the original counterpart of the specially constructed vehicle was manufactured without fenders or with fenders which do not meet current established minimum standards, the specially constructed vehicle need only conform to the exact design of its original counterpart to meet the requirements for fenders;

(3) Regulation .07A: If the original counterpart of the specially constructed vehicle was manufactured without bumpers, with concealed bumpers, or with bumpers which do not meet current established minimum standards, the

specially constructed vehicle need only conform to the exact design of its original counterpart to meet the requirements for bumpers;

***(4) Regulation .10A(1)(c)(iv), red high mounted stop lamp: If the original counterpart of the specially constructed vehicle was manufactured without a red high mounted stop lamp, a red high mounted stop lamp is not required on the exact replica; and***

***(5) The Division Commander may authorize in writing a waiver of additional inspection requirements to be consistent with the original vehicle counterpart.***

11.14.02.06

## **.06 Exhaust System.**

A. The exhaust system includes the exhaust manifold and all piping leading from the flange of the exhaust manifold, to and including the muffler, resonator, and the tail piping.

<i>Procedures:</i>	<i>Reject Vehicle If:</i>
(1) With engine running and the vehicle on a hoist or lift, visually inspect the exhaust pipes, mufflers, resonators and tail pipes for leaks, deterioration, proper mounting, damage, and general condition. Rusted or corroded areas shall be given particular attention. Holes in the system made by the manufacturer for drainage are not cause for rejection.	(1) Vehicle has no muffler.
(2) Light trucks equipped with a cap or slide-in camper shall have a full length tail pipe extending beyond the rear wheels and exiting beyond the side or rear of the body.	(2) There are loose or leaking seams or joints.
(3) On all other vehicles the tail pipe shall <b><i>be located as originally designed by the vehicle manufacturer, or if not as originally designed shall</i></b> extend beyond the passenger or occupant compartment and enclosed cargo area if it is open to the driver or passenger area. The tail pipe shall extend at least to the front of the rear wheels, beyond the rearmost door opening, and exit beyond the side or rear of the body.	(3) There are holes caused by damage, corrosion, or temporary repairs made to the exhaust pipe, muffler, resonator, or tail pipe. Welding or brazing is considered a permanent repair if it does not leak. Elimination of a resonator alone is not cause for rejection as long as the vehicle has an effective muffler.
(4) Type II school buses shall have a full length tail pipe extending beyond the rear wheels and exiting beyond the side or rear of the body unless the vehicle is equipped with a left side exhaust system which meets the following criteria:	(4) Tail pipe end is pinched or obstructed.
(a) The exhaust pipe may not pass within 12 inches of the fuel tank or its connections unless a suitable baffle is installed between the exhaust system and these components. On vehicles with left side mounted fuel tanks, compliance with this requirement may be more difficult; however, this requirement shall still be met.	(5) The system is not properly mounted, securely fastened, or if the seam of a muffler or resonator on a type II school vehicle faces the fuel tank, fuel lines, or floor of the vehicle.
(b) No part of the exhaust system may pass within 12 inches of any flexible brake hose, solid brake line, or flexible fuel line unless a suitable baffle is installed between the exhaust system and these components.	(6) There are loose muffler baffles; the vehicle is equipped with cutout or similar device; or the system is not original or equivalent.
(c) The exhaust pipe should be approximately a 45-degree angle as it approaches the left body line to prevent back pressure and heat buildup (see diagram).	(7) Any part of the system passes through the occupant compartment, or there are any leaks in the heat exchange boxes or ducts of vehicle using engine exhaust heat to warm

	the interior of the vehicle.
(d) The exhaust pipe shall be deflected downward as it approaches the left side of the body.	(8) The tail pipe on light trucks equipped with a cap or slide-in camper or a type II school vehicle is not full length, or does not extend beyond the rear wheels and exit beyond the side or rear of the body.
(e) The exhaust pipe shall exit behind the driver's compartment.	(9) The tail pipe on all other vehicles, <i>if not as originally designed by the vehicle manufacturer</i> , does not extend beyond the occupant compartment and the enclosed cargo area if it is open to the occupant compartment, to at least the front of the rear wheels and beyond the rear of the rearmost door opening, or does not exit beyond the side or rear of the body.
	(10) Exhaust pipe, muffler, or tail pipe is not of a leak proof construction. Flexible pipe that does not leak is acceptable, except on type II school vehicles.
	(11) It emits continuous exhaust fumes or smoke which obscures persons or objects from a clear rear view.
	(12) On the type II school vehicle, the system passes directly under the emergency door, or there is any reduction in the size of the tail pipe after it leaves the muffler.
	(13) A type II school vehicle with left side exhaust does not meet the requirements established.

11.14.02.12

## **.12 Interior and Emergency Equipment — Applicable to Type II School Vehicles Only.**

### A. Seats, Stanchions, Rails.

<i>Procedures:</i>	<i>Reject Vehicle If:</i>
(1) Seats and Seat Belts. (a) Inspect seats for secure anchorage to floor. (b) Inspect seats for condition of frames, springs, and cover material. (c) Inspect driver's and occupant's seat belt webbing for fraying, splitting, tearing, malfunctioning buckles; loose, damaged, or missing anchorages or damaged or weakened floor pan. (d) Inspect for torn or broken interior metal trim, etc., which may present a hazard to occupants.	(1) (a) Any seat anchor belts are not securely fastened to floor or side mounting rail. (b) Cover material is torn, springs are exposed, if seat frame is loose, cracked or broken. (c) Driver's seat belt is missing. (d) Seat belt webbing is frayed, split, or torn. (e) Buckles do not operate properly. (f) Belt anchorages are loose, badly corroded, or not fastened to belt. (g) Belt mounting surfaces are badly deformed, damaged, or corroded. (h) Floor pans are damaged or weakened at anchorage. (i) Occupants' seat belts are missing when required.
(2) Stanchions and Guard Rails (when applicable). Inspect all stanchions, guard rails, grab handles, etc., for tightness, mounting, and general condition.	(2) (a) Any looseness is detected, or any fastening parts are missing, broken, or cracked. (b) Cover material or padding is torn (when applicable).

### B. Visors and Defroster. The sun visor shall be located in front and above the driver and passenger position.

<i>Procedures:</i>	<i>Reject Vehicle If:</i>
(1) Sun Visors. Inspect sun visor for loose, missing, or broken parts which would prevent it from being adjusted, or holding an adjustment.	(1) (a) Visor is missing. (b) Visor on driver's side cannot be positioned to protect driver's eyes from sun. (c) Visor is difficult to adjust or will not maintain a set adjustment.
(2) Windshield Defroster. Inspect for presence and proper functioning of windshield defroster. The device and/or auxiliary fans, etc., shall keep windshield, window at driver's left, and glass in service door clear.	(2) Windshield defroster defogger is missing or fails to function properly.

C. Heaters, Step or Stepwell, and Vents.

<i>Procedures:</i>	<i>Reject Vehicle If:</i>
(1) Interior Heaters. (a) Inspect heater(s) for capability of maintaining inside temperature of 50°F at minimum average January outside temperature. (b) Inspect for leakage and general condition of heating system including heater hoses, tubing, shielding, valves, and controls.	(1) (a) Heater cannot maintain a temperature of 50°F at minimum average January outside temperature. (b) Any leakage or malfunction of heating system is detected. (c) Interior heater or pipes not properly shielded. (d) Cut off valve in engine compartment is not present.
(2) Step or Stepwell. Inspect general condition of step or stepwell at all door entrances.	(2) (a) Step or stepwell is blocked, cluttered, or surface material is loose. (b) Light for stepwell is missing or fails to function. (c) Step or stepwell is not covered with nonskid material.
(3) Ventilation. Check for function and general condition of ventilating system.	(3) System fails to furnish fresh air under operating conditions.

D. Fire Extinguisher, First Aid Kit, and Tire Chains. Every school vehicle shall be equipped with a nontoxic dry chemical fire extinguisher having a rating of at least 5 lb./10 B.C. and equipped with a gauge, and first aid container mounted in plain view in the driver's compartment and, when applicable, tire chains.

<i>Procedures:</i>	<i>Reject Vehicle If:</i>
(1) Fire Extinguisher. Inspect for presence, location, condition and accessibility of the fire extinguisher.	(1) Extinguisher: (a) Is missing; (b) Seal is broken; (c) Is not readily accessible to driver; (d) Gauge shows low reading; (e) Does not have the proper rating.
(2) First Aid Kit. (a) Inspect for presence, accessibility, and general condition of the first aid kit. It shall be readily identifiable and contain at least the following: (i) Four adhesive bandages; (ii) Four adhesive tapes—1 inch by 5 yards; (iii) One bandage compress—2 inches by 48 inches; (iv) Four bandage compresses—4 inches by 4 inches; (v) Two gauze compresses—3 inches by 3 inches; (vi) Three gauze compresses—24 inches by 72 inches; (vii) Two triangular bandages—40 inches; (viii) One gauze bandage—2 inches by 6 yards;	(2) First aid kit contents: (a) Are missing; (b) Are not readily accessible; (c) Package seals are broken; (d) Are not readily identifiable.

(ix) One wire splint; (x) Two tourniquets; (xi) One pair of forceps; (xii) One pair of scissors; (xiii) Unit kit—empty.	
(3) Chains, Tires. When and where tire chains are required, inspect for presence and condition of tire chains.	(3) Chains, Tires: (a) Are missing, when required; (b) Are not serviceable; (c) Are not proper size.

E. Warning Devices.

<i>Procedures:</i>	<i>Reject Vehicle If:</i>
(1) Inspect for presence, condition and accessibility of: (a) At least three red electric lanterns or three red emergency reflectors which meet Bureau of Motor Carrier Safety Standards; (b) At least three red-burning fusees, 30-minute stand-up type stored in a canister near the driver.	(1) Warning devices: (a) Are missing, do not function as designed or are not of an approved type; (b) Are improperly stored; (c) Are not readily accessible.

F. Color, Signs, Lettering, **Retro-Reflective Tape**, and Identification.

<i>Procedures:</i>	<i>Reject Vehicle If:</i>
(1) Color. Inspect for proper color. (a) Body—National School Bus Yellow. (b) Lettering, body trim, and bumpers shall be black. Bumpers may be covered with a retroreflective material.	(1) Colors do not match standard.
(2) Signs and Lettering. Inspect for Lettering. (a) "SCHOOL BUS" front and rear (8 inch by 1 inch stroke black lettering, mounted as high as possible). (b) "EMERGENCY DOOR OR EXIT" inside and outside (2 inch black lettering, mounted directly above the door or on the door above the glass). (c) Operation of Emergency Door or Exit Latch (6 inch black arrow by 3/4 inch stroke indicating direction to release door or exit, inside and outside) (d) "STOP ON SIGNAL" when required (4 inch by 3/4 inch stroke black lettering below rear window). (e) <b>Side Emergency Windows (if equipped).</b> (i) <b>"EMERGENCY EXIT" (2 inch by 3/8 inch stroke black lettering, mounted directly above the emergency window on both the inside and outside surfaces of the vehicle).</b> (ii) <b>Operating instructions necessary to unlatch and open emergency exit shall be in letters of a color that contrasts with its background and located within 6 inches of the release mechanism on the inside surface of the vehicle. A decal containing the instructions may be placed on the window. For buses manufactured after July 31, 2009, the decal shall be transparent except for the lettering.</b> (f) <b>Roof Vent/Emergency Exit.</b> (i) <b>"EMERGENCY EXIT" (in letters at least 2 inches</b>	(2) Signs or lettering: (a) When required, are missing, illegible or obscured; (b) Are not proper size <b>or color</b> ; (c) Are not located as required or permitted.

<p><i>high, of a color that contrasts with its background and located on an inside and outside surface of the exit, or with 12 inches of the roof exit opening).</i></p> <p><i>(ii) Operating instructions necessary to unlatch and open emergency exit shall be in letters of a color that contrasts with its background and located within 6 inches of the release mechanism on the inside and outside surface of the vehicle.</i></p>	
<p><b>(3) Retro-Reflective Tape.</b> <i>Each opening for a required emergency exit on a school vehicle manufactured after May 2, 1994 shall be outlined around its outside perimeter with yellow retro-reflective tape having a minimum width of 1 inch.</i></p>	<p><b>(3) Retro-reflective tape:</b></p> <p><i>(a) Is missing when required, or is loose, defective, or obscured;</i></p> <p><i>(b) Is not the proper size or color;</i></p> <p><i>(c) Is not located as required.</i></p>
<p><b>(4) Identification.</b> Inspect for presence, size and condition of required or permitted identification.</p>	<p><b>(4) Identification:</b></p> <p>(a) When required, is missing, illegible, or obscured;</p> <p>(b) Is not proper size;</p> <p>(c) Is not located where required or permitted;</p> <p>(d) Is not required or permitted.</p>
<p><b>(5) Required:</b></p> <p>(a) Vehicles owned by local Boards of Education:</p> <p>(i) Name of school system (both sides of vehicle 6-1/2 inches high by 1 inch stroke);</p> <p>(ii) Identification number (all four sides 6 inches high by 3/4 inch stroke visible directly from the front, rear, and each side).</p> <p>(b) Vehicles contracted to local Boards of Education:</p> <p>(i) Contractor's name (to rear of entrance door 3 inches high by 1/2 inch stroke in a 16 inch by 30 inch area);</p> <p>(ii) Identification number (all four sides 6 inches high by 3/4 inch stroke visible directly from the front, rear, and each side).</p> <p>(c) All other vehicles:</p> <p>(i) Owner's name (to rear of entrance door 3 inches high by 1/2 inch stroke);</p> <p>(ii) Identification number (all four sides 6 inches high by 3/4 inch stroke visible directly from the front, rear, and each side).</p>	
<p><b>(6) Permitted:</b></p> <p>(a) ICC number (to rear of entrance door 3 inches high by 1/2 inch stroke);</p> <p>(b) Address of owner (to rear of entrance door 3 inches high by 1/2 inch stroke);</p> <p>(c) Telephone number of owner (to rear of entrance door 3 inches high by 1/2 inch stroke).</p>	

## .14 Vehicle Glazing.

A. Safety glazing *material* is marked with the manufacturer's *distinctive designation or trademark model number*, and the letters "AS" followed by a number from 1 through 16B, *which indicates where the glazing may be used on the vehicle*. Safety glazing *material* also has *the symbol "DOT" (Department of Transportation) and a manufacturer's code mark that the NHTSA (National Highway Traffic Safety Administration) assigns to the manufacturer*. Any questions regarding glazing shall be referred to the Automotive Safety Enforcement Division of the *Department of State Police*.

### ***B. Proper Marking and Operation.***

<i>Procedures:</i>	<i>Reject Vehicle If:</i>
<p>(1) Proper Marking.                      Inspect <i>glazing material</i> for proper markings. <i>The following is a brief list of "AS" markings and applications. Safety glazing material marked:</i></p> <ul style="list-style-type: none"> <li>(a) <i>AS-1 is used in the windshield and may be used anywhere in a motor vehicle.</i></li> <li>(b) <i>AS-2 may be used anywhere in a motor vehicle except for the windshield.</i></li> <li>(c) <i>AS-3 may be used in windows to the rear of the driver in trucks, truck tractors, buses and multipurpose passenger vehicles. The vehicle must be equipped with an outside rearview mirror on each side.</i></li> <li>(d) <i>AS-4 or AS-6 may be used in the rear windows of convertible passenger car tops.</i></li> <li>(e) <i>AS-10 may be used where bullet resistance is required anywhere in a motor vehicle including the windshield.</i></li> <li>(f) <i>AS-14 may be used anywhere in a motor vehicle except that it may not be used in the windshields of any of the following vehicles: convertibles, vehicles that have no roof or vehicles whose roofs are completely removable.</i></li> </ul>	<p>(1) Improper or unmarked glazing materials are used for specific positions.</p>
<p>(2) Window on Driver's Side.                      Inspect operation of window at driver's side. Window shall open <i>and close</i> readily even though the vehicle has approved turn signals.</p>	<p>(2) Window on driver's side <i>does not open and close as designed</i> to permit arm signals.</p>
<p>(3) Side Windows, <i>Emergency Window Exits, and Roof Vent/Emergency Exits</i> (school vehicles only).</p> <ul style="list-style-type: none"> <li>(a) <i>Side Windows.</i> <ul style="list-style-type: none"> <li>(i) <i>Open and close each passenger compartment side window and inspect for proper operation.</i></li> <li>(ii) <i>Inspect passenger compartment side windows for unframed exposed edges of glass.</i></li> </ul> </li> <li>(b) <i>Side Emergency Windows (if equipped).</i> <ul style="list-style-type: none"> <li>(i) <i>Inspect inside release mechanism.</i></li> <li>(ii) <i>Check operation.</i></li> <li>(iii) <i>Check function of audible signal.</i></li> </ul> </li> <li>(c) <i>Roof Vent/Emergency Exit.</i> <ul style="list-style-type: none"> <li>(i) <i>Inspect release mechanism.</i></li> </ul> </li> </ul>	<p>(3) <i>Side Windows, Emergency Window Exits, and Roof Vent/Emergency Exits (school vehicles only).</i></p> <ul style="list-style-type: none"> <li>(a) <i>Side Windows.</i> <ul style="list-style-type: none"> <li>(i) <i>Any side window fails to function as designed.</i></li> <li>(ii) <i>Any exposed edges of glass are not framed or framing is loose or broken.</i></li> </ul> </li> <li>(b) <i>Side Emergency Windows (if equipped).</i> <ul style="list-style-type: none"> <li>(i) <i>Window release mechanism is loose or broken.</i></li> <li>(ii) <i>Window will not operate properly.</i></li> <li>(iii) <i>Audible signal fails to function in driver's compartment and indicate to the seated driver when the engine is running a distinctive audible signal when release mechanism is moved, or sounds</i></li> </ul> </li> </ul>

<p>(ii) Check operation.          (iii) If equipped, check function of audible signal.</p>	<p>continuously when release mechanism is latched.          (c) Roof Vent/Emergency Exit.          (i) Release mechanism is loose or broken.          (ii) Fails to operate properly.          (iii) Audible signal, if equipped, fails to function in driver's compartment and indicate to the seated driver when the engine is running a distinctive audible signal when release mechanism is moved, or sounds continuously when release mechanism is latched.</p>
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**C. Signs and Materials on Windshield or Windows. Inspect all glazing for unauthorized material or conditions that obscure the driver's vision.**

<b>Procedures:</b>	<b>Reject Vehicle If:</b>
<p>(1) Except as provided in §C(2) of this regulation, a vehicle may not be equipped with any sign, poster, card, sticker, or other nontransparent material on the windshield, side wings, or side or rear windows of the vehicle.            (2) This does not apply to:            (a) Materials placed on the windshield or rear window, within a 7 inch square area in the lower corner, or on the side windows of the vehicle to the rear of the driver, if the materials are placed so as not to interfere with the driver's clear view of traffic;            (b) Direction, destination, or termini signs on any passenger common carrier motor vehicle;            (c) An electronic toll collection device placed in the windshield of a vehicle in accordance with guidelines established by the Maryland Transportation Authority; or            (d) Security stickers authorized by a federal or State government agency that measure not more than 2 inches high and not more than 4 inches long, and are placed at the upper edge of the center of the windshield.            (3) All vehicles equipped with permitted signs, posters, cards, stickers or other nontransparent materials on windows to the rear of the driver must be equipped with an outside rearview mirror on each side.</p>	<p>(1)            (a) Glazed surfaces contain any sign, poster, card, decal, sticker, or other nontransparent material in violation of this regulation.            (b) Driver's vision is obscured.            (c) Equipped with permitted signs, posters, cards, stickers or other nontransparent materials on windows to the rear of the driver and not equipped with an outside rearview mirror on each side.</p>

**D. Post Manufacture Window Tinting.**

<b>Procedures:</b>	<b>Reject Vehicle If:</b>
<p>(1) Inspect all glazing for the application of post manufacture window tint. The following post manufacture window tint is prohibited on any window or windshield of any vehicle. Window tint that:            (a) Has a mirrored or one-way vision effect or a sparkling effect;            (b) Is red, yellow, or amber in color; or            (c) Changes to a red, yellow, or amber color.</p>	<p>(1) Any glazing contains post manufacture window tint that causes a mirrored or one-way vision effect, a sparkling effect, is a prohibited color, or changes to a prohibited color.</p>

<p><i>(2) Post manufacture window tint is acceptable on the following vehicles in the listed locations:</i></p> <p><i>(a) Passenger cars, convertibles, and station wagons.</i></p> <p><i>(i) All side and rear windows of these vehicles are regulated windows requiring at least 35 percent light transmittance after the application of post manufacture window tint and the vehicle is equipped with an outside rearview mirror on each side.</i></p> <p><i>(ii) Windshield. Post manufacture window tint may not be applied to the windshield below the ASI line or below 5 inches from the top of the windshield, whichever is less.</i></p> <p><i>(b) Light trucks, vans, and multipurpose passenger vehicles.</i></p> <p><i>(i) All side windows of these vehicles to the immediate right and left of the driver are regulated windows requiring at least 35 percent light transmittance after the application of post manufacture window tint.</i></p> <p><i>(ii) Windshield. Post manufacture window tint may not be applied to the windshield below the ASI line or below 5 inches from the top of the windshield, whichever is less.</i></p> <p><i>(iii) Windows of these vehicles to the rear of the driver may be tinted with post manufacture window tint to any degree of darkness.</i></p> <p><i>(iv) When equipped with permitted post manufacture window tint on any side or rear window, the vehicle must be equipped with an outside rearview mirror on each side.</i></p> <p><i>(c) Inspect the light transmittance of each vehicle window equipped with post manufacture window tint and required to have at least 35 percent light transmittance after the application of post manufacture window tint.</i></p>	<p><i>(2)</i></p> <p><i>(a) Post manufacture window tint is applied to glazing in violation of this regulation.</i></p> <p><i>(b) Equipped with permitted post manufacture window tint on any side or rear window and is not equipped with an outside rearview mirror on each side.</i></p>
<p><i>(3) Post manufacture window tint is prohibited on the following vehicles in the listed locations:</i></p> <p><i>(a) Limousines.</i></p> <p><i>(i) The windshield and all side windows to the immediate right and left of the driver are prohibited from the application of post manufacture window tint.</i></p> <p><i>(ii) Windows of these vehicles to the rear of the driver may be tinted with post manufacture window tint to any degree of darkness provided the vehicle is equipped with an outside rearview mirror on each side.</i></p> <p><i>(b) School Vehicles. Post manufacture window tint is prohibited on all windows and windshield of a school vehicle.</i></p>	<p><i>(3)</i></p> <p><i>(a) Post manufacture window tint is applied to glazing in violation of this regulation.</i></p> <p><i>(b) Equipped with permitted post manufacture window tint on any side or rear window and is not equipped with an outside rearview mirror on each side.</i></p>
<p><i>(4) Vehicles equipped with a high mounted stop lamp mounted inside the vehicle may not be equipped with post manufacture window tint in the</i></p>	<p><i>(4) Post manufacture window tint is applied to the area of the rear window in front of the high mounted stop lamp.</i></p>

<i>area of the rear window in front of the high mounted stop lamp.</i>	
<i>(5) Tint Manufacturer's Labels (if equipped): Tint manufacturer's labels may not be of a size or positioned in a manner that affects the driver's vision or obscures the glazing manufacturer's trademark or AS indicator.</i>	<i>(5) Tint manufacturer label, if equipped, is of a size or positioned in a manner that affects the driver's vision or obscures the glazing manufacturer's trademark or AS indicator.</i>

*(6) Medical Exemption. (Applicable only to vehicles noted in §D(2) of this regulation.)*

*Transportation Article, §22-406, Annotated Code of Maryland, provides an exemption for a person who must be protected from the sun for medical reasons from having a light transmittance of at least 35 percent on regulated windows equipped with post manufacture window tint. The law requires the owner to have, in the vehicle at the time the vehicle is stopped by a police officer, a written certification that details the owner's medical need for tinted windows, from a physician licensed to practice medicine in the State. A vehicle owner whose vehicle is undergoing an inspection, or has been issued a safety equipment repair order for defect #61 "TINT", and indicates to the authorized inspection station their compliance with a medical exemption, shall be referred to the Automotive Safety Enforcement Division of the Department of State Police for examination of the vehicle owner's medical documentation and the vehicle's post manufacture window tint. If the owner meets the requirements specified in Transportation Article, §22-406, Annotated Code of Maryland, for the medical exemption and the vehicle is compliant with all post manufacture window tinting regulations in this chapter, excluding the light transmittance requirement of regulated windows equipped with post manufacture window tint, the Division, when applicable, shall be authorized to:*

*(a) Issue a post manufacture window tint medical exemption form to be provided to the authorized inspection station performing an inspection of the vehicle which shall permit the registered inspection mechanic to exempt the vehicle's windows equipped with post manufacture window tint from meeting the light transmittance requirement; or*

*(b) Certify the safety equipment repair order for defect #61 "TINT".*

**E. Definitions.**

*(1) "Acute area" means the windshield area 8 inches wide by 5 inches high, located directly in front of the driver, centered vertically on the steering wheel of the vehicle and horizontally in the center of the critical area.*

*(2) "Cloudiness" means any degree of visible discoloration or separation, except tinting that does not affect clear vision.*

*(3) "Critical area" means the normal windshield wiper sweep, except the area obscured by **the** hood, fenders, or rearview mirror.*

*(4) "Discoloration" means a condition which impairs the transparency of the glazing.*

*(5) "Non-critical area" means all windshield area outside the critical area.*

*(6) "Normal windshield wiper sweep" means the area of **the** windshield cleaned by the windshield wiper, excluding **the** return position on both passenger's and driver's sides.*

**F. Glazing Damage.**

<i>Procedures:</i>	<i>Reject Vehicle If:</i>
<i>(1) Inspect all windows for modification, damage, sharp edges, and discoloration of the glazing.</i>	<i>(1)</i> <i>(a) Any window is missing, modified, broken or has exposed sharp edges.</i> <i>(b) There are cracks, discoloration, scratches, or conditions which interfere with the driver's view to the right or left.</i> <i>(c) The rear window of a passenger car, station wagon, or convertible is discolored so that the driver does not have a clear view 200 feet to the rear of the vehicle.</i> <i>(d) The driver's view to the rear in any vehicle except as provided above is obscured or obstructed and the</i>

	<p>vehicle is not equipped with an outside rear view mirror on each side.</p>
<p>(2) Windshield. Inspect windshield for modification and any cracks, nicks, pits, chips, star breaks, half moons or bull's-eye fractures, discoloration, sharp edges, and wiper blade scratches.</p>	<p>(2) Windshield.</p> <p>(a) Is missing or has been modified.</p> <p>(b) Driver's Side.</p> <p>(i) Cloudiness exceeds 1 inch from the top or side or 1 inch into the critical area from the bottom. If the windshield is divided, the cloudiness may not exceed 1/2 inch from the center divider.</p> <p>(ii) Acute area contains any one crack, nick, pit, chip, star break, half moon or bull's-eye fracture in excess of 1/4 inch in diameter or length, or any combination of individual cracks, nicks, pits, chips, star breaks, half moons or bull's-eye fractures which cumulatively exceed 1/4 inch in diameter or length, or any permanent condition which significantly interferes with the driver's vision.</p> <p>(iii) Critical area contains wiper blade scratches which are severe enough to distort vision, or any one crack, nick, pit, chip, star break, half moon or bull's-eye fracture in excess of 1/2 inch in diameter or length, or any combination of individual cracks, nicks, pits, chips, star breaks, half moons or bull's-eye fractures which cumulatively exceed 1/2 inch in diameter or length, or any permanent condition which significantly interferes with the driver's vision except in the permitted cloudy area.</p> <p>(iv) Non-critical area contains any intersecting cracks or any one crack or combination of individual cracks extending inward more than 2 inches separately or cumulatively from the outer frame on flat or curved windshields or over 4 inches on wraparound windshields, or any one crack, nick, pit, chip, star break, half moon or bull's-eye fracture in excess of 3/4 inch in diameter or length, or any combination of individual cracks, nicks, pits, chips, star breaks, half moons or bull's-eye fractures which cumulatively exceed 3/4 inch in diameter or length, or any permanent condition which significantly interferes with the driver's vision except in the permitted cloudy area.</p> <p>(c) Passenger Side.</p> <p>(i) Cloudiness exceeds 2 inches from the top or side or extends more than 2 inches into the critical area from the bottom. If the windshield is divided, the cloudiness may not exceed 1/2 inch from the center divider.</p> <p>(ii) Critical area contains wiper blade scratches which are severe enough to distort vision, or any one crack, nick, pit, chip, star break, half moon or bull's-eye fracture in excess of 1/2 inch in diameter or length, or any combination of individual cracks, nicks, pits, chips, star breaks, half moons or bull's-eye fractures which cumulatively exceed 1/2 inch in diameter or length, or any permanent condition which</p>

significantly interferes with the driver's vision except in the permitted cloudy area.

(iii) Non-critical area contains any intersecting cracks or any one crack or combination of individual cracks extending inward more than 4 inches separately or cumulatively from the outer frame on flat or curved windshields or over 6 inches on wraparound windshields, or any one crack, nick, pit, chip, star break, half moon or bull's-eye fracture in excess of 1½ inches in diameter or length, or any combination of individual cracks, nicks, pits, chips, star breaks, half moons or bull's-eye fractures which cumulatively exceed 1½ inches in diameter or length, or any permanent condition which significantly interferes with the driver's vision except in the permitted cloudy area.

Figure 26 VEHICLE GLAZING.

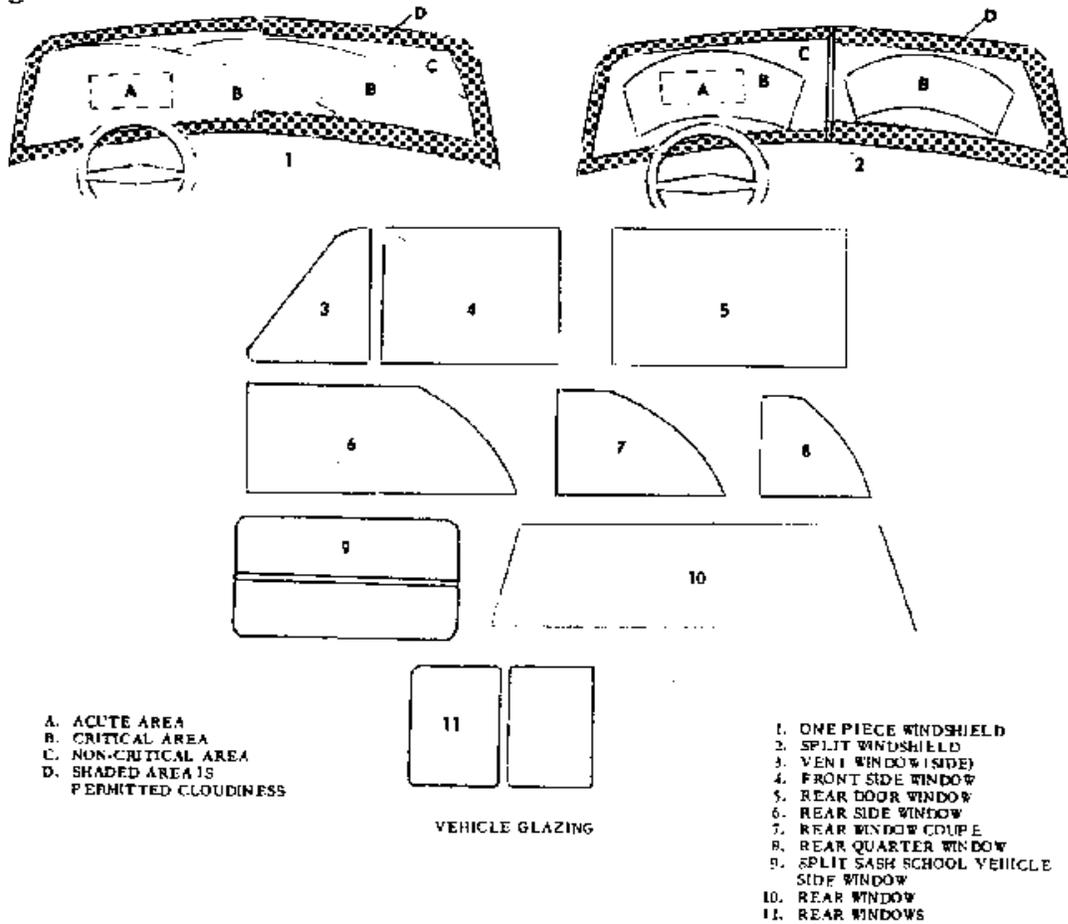


Figure 26

### .17 Doors, Handles and Latches.

A. Inspection of doors, handles, latches, and hinges applies to all vehicles originally manufactured with doors and all other vehicles which are equipped with doors.

<i>Procedures:</i>	<i>Reject Vehicle If:</i>
(1) Inspect all doors, latches, hinges, and handles for broken or missing parts, proper operation, and improper adjustment. Electric push button, or ring and cable means of opening the door are acceptable provided they are readily accessible.	(1) Doors or door parts are missing, broken, or sagging so that the door cannot be tightly closed.
	(2) Latch or handles not original equipment or equivalent.
	(3) Door handles and latches do not provide a means of readily opening door.
	(4) Secondary or safety catch does not function properly.

B. Doors—Service, Emergency (applicable to school vehicles only). Service doors may be split-type, sedan-type, or jackknife-type with vertical closing edges covered with flexible material.

<i>Procedures:</i>	<i>Reject Vehicle If:</i>
(1) Service Door. (a) From driver's position, inspect function of opening and closing operation. (b) If door is equipped with a lock, determine if engine will start with door locked; check operation of audiovisual alarm with door locked. (c) Inspect condition of flexible material on vertical closing edges (when applicable).	(1) Service Door. (a) Power or manual opening and closing device shows evidence of binding, jamming, excessive wear, or malfunction. (b) Door is equipped with a lock and engine starts with door locked or audiovisual alarm fails to function with door locked and ignition switch on. (c) Flexible material is loose, torn, or missing (when applicable).
(2) Emergency Door. (a) Inspect for clear passageway to door. (b) Inspect inside and outside quick release mechanism. (c) Check length of stroke on slide bar or cam operated lock. (d) Check function of buzzer indicating door is not fully closed. (e) Inspect emergency door red identification light (if equipped). (f) Inspect emergency door gaskets.	(2) Emergency Door. (a) Passageway to emergency door is blocked or restricted in any way, to less than 12 inches width. (b) Door release mechanism fails to release when activated from inside and outside of the bus or if it opens without activating a release. (c) Latch will not hold the door tightly closed. (d) Slide bar has less than 1 inch stroke length. (e) Buzzer fails to function in driver's compartment <b>and indicate to the seated driver when the engine is running a distinctive audible signal</b> when slide bar is moved. (f) Red identification light, if equipped, fails to function when the headlamps or parking lamps are activated. (g) Gaskets are torn, loose, or missing.