

HANDBOOK OF RULES

GOVERNING INSPECTION OF

CARS, TRUCKS,

TRAILERS AND BUSES

Revised 10/96

VEHICLE GLAZING

[GLASS]

SECTION 6 - VEHICLE GLAZING (GLASS)

Automotive safety glazing is marked with the manufacturer's trademark and the letters "AS" followed by a number from 1 through 11. Only AS1 (or AS10 - Bullet Resistant) may be used in the windshield. Safety glazing for 1966 and later models also has a glass manufacturer's model number or a DOT code number.

A person shall not operate on a highway in this state, a motor vehicle registered in Vermont, manufactured or assembled after January 1, 1936, unless such vehicle is equipped with safety glass, wherever glass is used in doors, windows and windshields.

A person shall not paste, stick or paint advertising matter or other things on or over any transparent part of a motor vehicle windshield, vent windows or side windows located immediately to the left and right of the driver, except in a space not over four inches high and twelve inches long in the lower right hand corner of the windshield, or in such location of any sticker required by governmental regulation, and further shall not hang any object other than a rear view mirror in back of the windshield of a motor vehicle.

See **Additional Glazing Information** on Page 6-3 for position numbers, discoloration areas and markings.

Proper Markings

Procedure:

Inspect glass for proper markings.

Reject vehicle if:

- a. Improper or unmarked glazing materials are used for specific positions.
- b. Non-transparent materials such as plywood, etc., are used to replace glass.

Left Front Window

Procedure:

1. Inspect operation of window at driver's left. Window must open readily even though the vehicle has approved turn signals.

Reject vehicle if:

Window at driver's left cannot be readily opened to permit arm signals.

Stickers - Tinting

Procedure:

Inspect all glass for unauthorized material or conditions that obscure driver's vision.

Reject vehicle if:

- a. Glazed surfaces contain any stickers not permitted by law or regulation.
- b. Unauthorized tinting material has been used. ANY AFTERMARKET TINTING MATERIAL SPRAYED, PASTED, STUCK OR OTHERWISE APPLIED TO THE WINDSHIELD OR WINDOWS DIRECTLY TO THE RIGHT OR LEFT OF THE DRIVER.

SPECIAL NOTE: *The rear side windows and the back window only may be obstructed, provided that the motor vehicle is equipped on each side with a rear view mirror.*

The commissioner has ruled that, effective January 1, 1971, all periodic inspection stickers shall be placed on the inside top center of the windshield. If the windshield is tinted, or is equipped with a plastic strip sunshade (not more than three inches wide), the inspection sticker shall be centered on the windshield just below the tint edge. On divided windshields, the inspection sticker shall be placed at the top of the windshield, just to the right of the divider strip.

Cracks - Chips - Discoloration

The word "discoloration" used below refers to anything which impairs the transparency of the glazing.

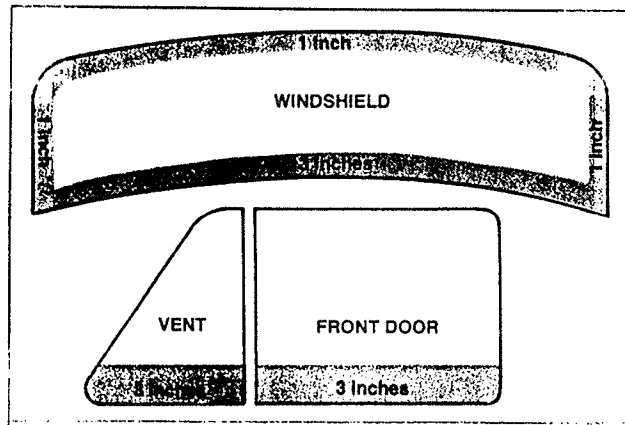
Procedure:

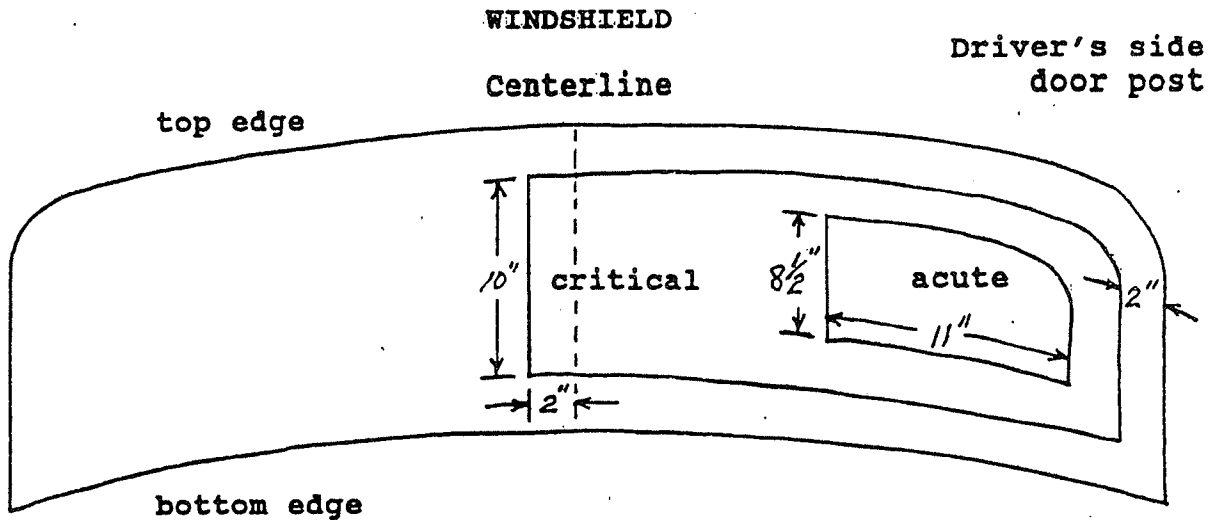
1. Inspect windshield and all windows for hazardous cracks, chips, sharp edges and discoloration of the glazing.
2. Advise driver if there are signs of the beginning of glazing discoloration.
3. Advise driver if there is a crack or chip which will likely expand or lengthen beyond acceptable limits.

Reject vehicle if:

- a. There are cracks, discoloration or scratches to the front, right, left or rear of the driver which interfere with his/her vision.
- b. There is outright breakage (glass shattered either on the inside or outside surface and/or broken glass leaving sharp or jagged edges).
- c. The rear window is discolored so that the driver does not have a clear view 200 feet to the rear of the vehicle.
- d. There is any star break larger than 2 inches located in the critical area.
- e. There are 2 or more stars and/or bulls eyes larger than 3/4 inches in diameter in the critical area.
- f. There are 3 or more stars and/or bulls eyes larger than 2 inches in diameter in any area of the windshield.
- g. There is any discoloration or any star, or chip or bulls eye larger than 1/2 inch in diameter in the acute area.
- h. There is sand pitting or discoloration which interferes with the driver's vision.
- i. There is, in any area, a crack 24 inches in length or 2 or more cracks originating from the same or separate points with a cumulative total of 24 inches or more.
- j. There is any crack in the acute area.

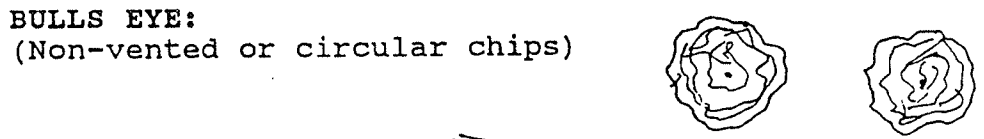
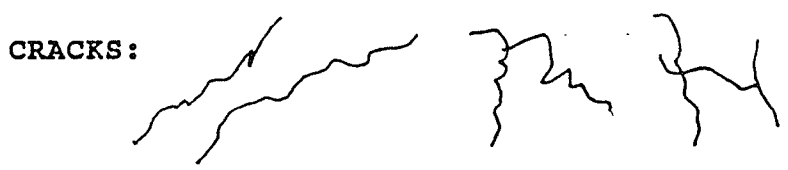
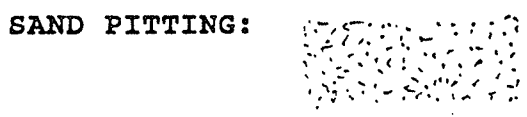
DISCOLORATION ALLOWED IN SHADED AREA ONLY





CRITICAL AREA: Starts two inches in from the left front post and extends two inches past center of the windshield. Is centered between top and bottom of windshield and is ten inches in height.

ACUTE AREA: Directly in the drivers line of vision in the center of the critical area (8 1/2 x 11 inches).



Vehicle Glazing - Additional Information

Glazing Material Position Markings

The numbers on the chart below indicate the numerical markings following the letters AS, which should be found on glazing materials in the positions indicated. These numbers come from American National Standards Institute (ANSI) Glazing Standard Z26.1 (1977) and the meaning of each item as follows:

Position Number	Description
1.	Safety Glazing Material for use anywhere in motor vehicle.
2.	Safety Glazing Material for use anywhere in motor vehicle except windshields.
3.	Safety Glazing Material for use in a motor vehicle except windshields and certain specified locations.
4.	Safety Glazing Material for use in motor vehicles only in the following locations.
5.	Safety Glazing Materials for use in motor vehicles only in the following specific locations at levels not requisite for driving visibility.
6.	Safety Glazing Materials for use only in house or property carrying trailers, in the rear windows of convertible passenger car tops, in windscreens for motorcycles, in flexible curtains or readily removable windows, or in ventilators used in conjunction with readily removable windows.
7.	Safety Glazing Materials for use in house or property carrying trailers and at levels not requisite for driving visibility in the rear window of convertible passenger car tops, in windscreens for motorcycles, in flexible curtains or readily removable windows, or in ventilators used in conjunction with readily removable windows.
10.	Bullet Resistant Glass for use anywhere in motor vehicle.
11.	Bullet Resistant Glass for use anywhere in motor vehicles except windshields.

GLAZING POSITION MARKINGS FOR PASSENGER CARS

(This chart excerpted from ANSI Standard Z26.1 Table A1)		Glazing Material Applicable When Marked With "AS" Designation Indicated Below	
		At Levels Requisite for Driving Visibility	At Levels Not Requisite for Driving Visibility*
PASSENGER CARS	Windshields	1,10	1*,10*
	Interior Partitions, Auxiliary Wind Deflectors	1,2,4,10,11	1,2,3,4,5,10,11
	Flexible Curtains, Readily Removable Windows, Ventilators Used in Conjunction with Readily Removable Windows, Rear Windows in Tops of Convertible Cars	1,2,4,6,10,11	1,2,3,4,5,6,7,10,11
	Openings in Roofs Not Required for Driving Visibility	—————	1,2,3,4,5,10,11
	<i>All Other Glazing Except as Listed Above</i>	1,2,10,11	1,2,3,10,11