

$X = D \times 0.000873$ ,

Where:

X=the width of a line, in the unit of measurement D, representing 3 minutes of arc;  
 D=distance from center point of driver's eye location to the center of the mirror's surface; and

0.000873=tangent of 3 minutes of arc.

For 9 minutes of arc:

$X = D \times 0.002618$ ,

Where:

X=the width of a line, in the unit of measurement D, representing 9 minutes of arc;  
 D=distance from center point of driver's eye location to the center of the mirror's surface; and

0.002618=tangent of 9 minutes of arc.

(b) Photograph each cylinder through the mirror(s) that provides a view of the cylinder. Photograph each cylinder with the camera located so that the view through its film or image plane is located at any single location within the semicircle established under 13.4, [POINT A,B,C, OR D] ensuring that the image of the mirror and comparison chart fill the camera's view finder to the extent possible.

13.8 Make all observations and take all photographs with the service/entry door in the closed position and the stop signal arm(s) in the fully retracted position.

[41 FR 36025, Aug. 26, 1976, as amended at 41 FR 56813, Dec. 30, 1976; 47 FR 38700, Sept. 2, 1982; 48 FR 38844, Aug. 26, 1983; 48 FR 40262, Sept. 6, 1983; 56 FR 58516, Nov. 20, 1991; 57 FR 57015, Dec. 2, 1992; 58 FR 60402, Nov. 16, 1993; 60 FR 15692, Mar. 27, 1995; 63 FR 28929-28931, May 27, 1998; 63 FR 51000, Sept. 24, 1998; 69 FR 18497, Apr. 8, 2004]

**§ 571.112 [Reserved]**

**§ 571.113 Standard No. 113; Hood latch system.**

S1. *Purpose and scope.* This standard establishes the requirement for providing a hood latch system or hood latch systems.

S2. *Application.* This standard applies to passenger cars, multipurpose passenger vehicles, trucks, and buses.

S3. *Definitions.* *Hood* means any exterior movable body panel forward of the windshield that is used to cover an engine, luggage, storage, or battery compartment.

S4. *Requirements.*

S4.1 Each hood must be provided with a hood latch system.

S4.2 A front opening hood which, in any open position, partially or completely obstructs a driver's forward view through the windshield must be provided with a second latch position on the hood latch system or with a second hood latch system.

**§ 571.114 Standard No. 114; Theft protection.**

S1. *Purpose and Scope.* This standard specifies requirements primarily for theft protection to reduce the incidence of crashes resulting from unauthorized operation of a motor vehicle. It also specifies requirements to reduce the incidence of crashes resulting from the rollaway of parked vehicles with automatic transmissions as a result of children moving the shift mechanism out of the "park" position.

S2. *Application.* This standard applies to passenger cars, and to trucks and multipurpose passenger vehicles having a GVWR of 4536 kilograms or less. However, it does not apply to walk-in van-type vehicles.

S3. *Definitions.*

*Combination* means one of the specifically planned and constructed variations of a locking system which, when properly actuated, permits operation of the locking system.

*Key* includes any other device designed and constructed to provide a method for operating a locking system which is designed and constructed to be operated by that device.

*Vehicle type* refers to *passenger car, truck, or multipurpose passenger vehicle*, as those terms are defined in 49 CFR 571.3.

S4. *Requirements.*

S4.1 Each truck and multipurpose passenger vehicle having a GVWR of 4536 kilograms or less and each passenger car shall meet the requirements of S4.2, S4.3, S4.4, and S4.5. However, open-body type vehicles that are manufactured for operation without doors and that either have no doors or have doors that are designed to be easily attached to and removed from the vehicle by the vehicle owner are not required to comply with S4.5.