

1 Department of Public Safety
2 State Fire Marshal Division

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4 Adopted Rules Governing Markings Required on Vehicles Having
5 Concealed Pressurized Flammable Gas Tanks

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7 Rules as Adopted

8 11 MCAR S 1.5080 Purpose and scope.

9 A. Purpose. The purpose of 11 MCAR SS 1.5080-1.5084 is to
10 prescribe the standard abbreviation and symbol required to be
11 displayed on the exterior of any vehicle carrying liquefied
12 petroleum gas fuel or natural gas in a concealed tank.

13 B. Scope. The scope of 11 MCAR SS 1.5080-1.5084 is intended
14 to be consistent with Minnesota Statutes, section 169.762.

15 11 MCAR S 1.5081 Pressurized flammable gas.

16 "Pressurized flammable gas" includes liquefied petroleum
17 gas, compressed natural gas, and liquefied natural gas.

18 11 MCAR S 1.5082 Warning symbol required.

19 The marking required by Minnesota Statutes, section
20 169.762, must be displayed on the exterior of a vehicle carrying
21 pressurized flammable gas in a concealed area, whether the gas
22 is the primary fuel or secondary fuel.

23 11 MCAR S 1.5083 Symbol design.

24 A. The required warning symbol must be of a design
25 illustrated as follows:

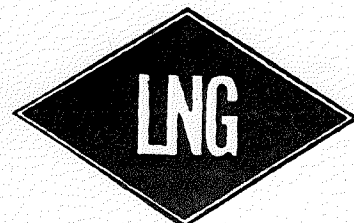
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31 Compressed natural
32 gas

Liquefied petroleum
gas

Liquefied natural
gas

33 B. The following specifications apply to each of the warning
34 symbols:

1 1. The symbol must be diamond-shaped, 2-1/2 inches in
2 height, and four inches in width at its highest and widest
3 points respectively.

4 2. The letters and border must be silver in color.

5 3. The background must be black in color.

6 4. The letters within the symbol must be a minimum of one
7 inch in height.

8 5. The entire symbol, including letters, background, and
9 border, must be made of reflectorized material and not fade or
10 wash away when exposed to weather or other adverse elements.

11 11 MCAR S 1.5084 Symbol placement.

12 A minimum of two warning symbols is required to be
13 displayed. The warning symbols must be displayed in the places
14 specified in A. If the symbols cannot be clearly displayed or
15 effectively applied to those locations they may be displayed in
16 the places specified in B. Display at least two symbols as
17 follows:

18 A. one warning symbol on the extreme left (driver's) side of
19 the rear-facing portion of the rear bumper, and one warning
20 symbol on the extreme right (passenger) side of the front-facing
21 portion of the front bumper; or

22 B. one warning symbol at least 12 inches but not more than
23 30 inches above the ground on the rear of the vehicle near the
24 left (driver's) side and one warning symbol at least 12 inches
25 but not more than 30 inches above the ground on the front of the
26 vehicle near the right (passenger) side.