

MIL-STD-1179D  
NOTICE 2  
7 July 1988

MILITARY STANDARD

LAMPS, REFLECTORS AND ASSOCIATED SIGNALING  
EQUIPMENT FOR MILITARY VEHICLES

TO ALL HOLDERS OF MIL-STD-1179D:

- 1. INCORPORATE THE FOLLOWING CHANGES:

PAGE iii

Line 1, add "certain exterior and interior" after the words "requirements for".

Line 3, add "infrared secure" after the words "and during".

PAGE v

Between 4.5.2.4 and 4.5.3 add:

"4.5.2.5 Secure blackout lighting ..... 11".

Between 4.5.4.4 and 4.5.5 add:

"4.5.4.5 Secure blackout lighting ..... 12".

PAGE 1

Paragraph 1.1, at the end, add the following paragraph:

"Infrared secure lighting photometric requirements apply to new military vehicles starting with serial number 1 manufactured after September 1, 1988. Retrofit, rebuild or other modifications of military vehicles built before September 1, 1988 will conform to Secure Lighting Requirements upon determination of need and discretionary judgement by the appropriate modifying Government agent."

Paragraph 1.2, delete the word "new" at the end of line 2.

AMSC N/A

FSC 2310, 2320, 2330, 2340, 2350

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PAGE 2

Paragraph 2.1, under "DRAWINGS MILITARY" delete:

"11668932 - Lamp Assembly."

Paragraph 2.1, under "DRAWINGS MILITARY" add:

"12360910 - Driving Lamp, Blackout."

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Paragraph 3.19, delete in its entirety and substitute the following new paragraph:

"3.19 Infrared secure blackout exterior and interior lamps. Infrared secure blackout lamps are all lamps designed to operate during vehicle nighttime blackout mode conditions. These interior and exterior lamps do not emit infrared light energy and may limit horizontal and vertical illumination while providing restricted visible light for nighttime vehicle operation."

Paragraph 3.20, add "Infrared secure" at the beginning of the title.

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Paragraph 4.3.1, line 4, insert a period (.) after the word "met" and delete the following through line 5 ", except that no clearance lamp may be combined optically with any tail lamp or identification lamp and".

Paragraph 4.4.1, last sentence (added per notice 1), insert "1/" after the word "vehicles".

Paragraph 4.4.2, last sentence (added per notice 1), insert "1/" after the word "vehicles".

Paragraph 4.5, add "infrared secure" between the words "General" and "blackout" in the title.

Add at the bottom of page the following footnote:

"

1/ Applicable only to new production wheeled vehicles manufactured after September 1, 1988. Retrofit, rebuild or other modifications for military vehicles built before September 1, 1988 will conform to this requirement upon determination of need and discretionary judgement by the appropriate modifying Government agent."

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Delete paragraphs 4.5.1 through 4.5.2.1 and substitute the following:

"4.5.1 Vehicle secure blackout lights and location. The minimum number of secure blackout lights on a military vehicle shall be as specified in table VI.

4.5.2 Secure blackout marker lamps. As referenced in table VI, the secure blackout marker lamps shall meet the requirements specified in 4.5.2.1 through 4.5.2.5.

4.5.2.1 Visibility of beams. The front position marker filter lens shall be opaque except for two Y-shaped openings which shall emit yellow-white light. The two openings of each secure blackout marker lamp shall be individually visible up to 60 feet. Beyond 60 feet the opening shall appear as a single point of light."

Paragraph 4.5.2.2, part a, add the word "secure" in the last line between "the" and "blackout".

Paragraph 4.5.2.4, add the word "visible" twice, in the title after "color of" and on line 1 after "transmitted".

Add a new paragraph after paragraph 4.5.2.4, as follows:

"4.5.2.5 Secure blackout lighting. Secure blackout lighting is the restriction of blackout mode light sources spectral emission. Light sources that can or do emit during blackout mode of operation shall be restricted to the visible portion of the electromagnetic spectrum between 380 to 700 nanometers. Peak emission in the infrared 700 to 1200 nanometer region shall be restricted to less than one percent relative to that measured in the visible region (380 to 700 nanometers) for any given secure blackout light source."

Delete paragraphs 4.5.3 and 4.5.4 entirely and substitute the following:

"4.5.3 Secure blackout driving lamp. The secure blackout driving lamp, at a design voltage of 28.0 volts (V) direct current (dc), shall emit a blue-green light.

4.5.4 Secure blackout taillamp. The source blackout taillamp shall meet the requirements specified in 4.5.4.1 through 4.5.4.5."

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Delete the paragraph 4.5.4.1 in its entirety and substitute the following new paragraph:

"4.5.4.1 Visibility of beams. The secure blackout taillamp filter lens shall be opaque except for four Y-shaped openings which shall emit red-orange light. The four openings of each blackout taillamp shall be individually visible up to 60 feet. From 60 to 120 feet, the openings shall appear as two points of light."

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Paragraph 4.5.4.2, part a, add the word "secure" twice, on lines 4 and 6 between "the" and "blackout".

Paragraph 4.5.4.4, add the word "visible" twice, in the title after "color of" and on line 1 after "transmitted".

Add a new paragraph after paragraph 4.5.4.4, as follows:

"4.5.4.5 Secure blackout lighting. Secure blackout lighting is the restriction of blackout mode light sources spectral emission. Light sources that can or do emit during blackout mode of operation shall be restricted to the visible portion of the electromagnetic spectrum between 380 to 700 nanometers. Peak emission in the infrared 700 to 1200 nanometer region shall be restricted to less than one percent relative to that measured in the visible region (380 to 700 nanometers) for any given secure blackout light source."

Delete paragraphs 4.5.5 and 4.5.5.1 entirely and substitute the following:

"4.5.5 Secure blackout stoplamp. The secure blackout stoplamp shall meet the requirements specified in 4.5.5.1 through 4.5.5.4.

4.5.5.1 Visibility of beam. The blackout stoplamp filter lens shall be opaque except for the Y-shaped opening which shall emit amber light."

Paragraph 4.5.5.2, part a, add the word "secure" twice, on lines 4 and 6 between "the" and "blackout".

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Delete table VI in its entirety and substitute with the following new table:

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"TABLE VI. Military wheeled and tracked vehicle exterior infrared secure blackout lighting equipment requirements and location."

Item	Quantity and color		Military part numbers and photometric requirements <sup>2/</sup>	Location	Recommended height above road surface measured from center of item on vehicle at curb weight
	Tactical	Combat			
Blackout driving lamp <sup>1/</sup>	1-blue	1-blue or 1-blue	12360910 (see 4.5.3) MS51318-1 7972325 (composite) (see 4.5.3)	The light source shall be mounted between the center and left-hand side of the vehicle, as far forward and as near the line of the driver's vision as practicable.	Approximately 42 inches.
Blackout front marker lamp <sup>1/</sup>	2-yellow/ white		MS52126-2 (composite) (see 4.5.2) 7972325 (see 4.5.2)	On the front - 1 on each side of the vertical centerline, at the same level, and as far apart as practicable.	Not less than 15 inches, nor more than 72 inches.
Blackout tail & stop	2-tail red/ orange 2-stop amber	1-tail red/ orange 1-stop amber	MS52125-2 (see 4.5.4 & 4.5.5)	On the rear - 1 on each side of the vertical centerline, at the same level and as far apart as practicable.  On rear right side of the vertical centerline at the same level as the rear left side and as far apart as practicable.	Not less than 15 inches, nor more than 72 inches.  Not less than 15 inches, nor more than 72 inches.

<sup>1/</sup> Not required on trailers.

<sup>2/</sup> All exterior infrared secure blackout lamp housings shall be metal. The use of plastic housings shall not be acceptable."

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2. RETAIN THIS NOTICE AND INSERT BEFORE TABLE OF CONTENTS.

3. Holders of MIL-STD-1179D will verify that the changes indicated herein have been entered. This notice will be retained as a check sheet. This issuance is a separate publication. Each notice is to be retained by stocking points until the Military Standard is completely revised or canceled.

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(Project 23GP-0014)