

IMPORTANT NOTE: Every lamp, reflex reflector, and conspicuity treatment (device) must be permanently attached in the location specified below and must comply with all applicable requirements prescribed for it by FMVSS/CMVSS 108. The face of any device on the front/rear and sides should be, respectively perpendicular and parallel to vehicle centerline, unless it is photometrically certified at installation angle. No part of the vehicle shall prevent any device from meeting its prescribed requirements unless an auxiliary device meeting all prescribed requirements is installed.

In Canada: Manufacturers and importers of vehicles must have the proper certification test records demonstrating compliance of lighting components with all prescribed requirements.

Federal Lighting Requirements For Trailers

Basic Equipment Required On All Trailers



DESCRIPTION				MANDATORY REQUIREMENTS			
Area	Equipment	SAE Lens Coding	Functional Purpose	Quantity	Color	Location	Height mm(in.) from the ground
1	Tail Lamps	(T)	Indicate vehicle's presence and width	Min. 2	Red	On the rear - symmetrical as far apart as practicable	380-1830 (15-72)
	Stop Lamps	(S)	Indicate braking	Min. 2	Red	On the rear - symmetrical as far apart as practicable	380-1830 (15-72)
	Rear Turn Signal Lamps	(I)	Indicate direction of turn	Min. 2	Red or Yellow	On the rear - symmetrical as far apart as practicable	380-2110 (15-83)
	Rear Reflex Reflectors	(A)	Indicate vehicle's presence and width	Min. 2	Red	On the rear - symmetrical as far apart as practicable facing rearward	380-1530 (15-60)
2	License Plate Lamp(s)	(L)	Illuminates license plate	Min. 1	White	On the rear - above or at the sides of license plate	No requirement
3	Rear Side Marker Lamps	(P2, PC* or P3, PC2*) <small>*photometrically certified at installation angle</small>	Front and rear side marker lamps/ side reflex reflectors indicate vehicle's presence and length	Min. 2	Red	Each side at rear as far back as practicable	380-1530 (15-60) no max. for veh. under 2032mm (80") wide
	Rear Side Reflex Reflectors	(A)		Min. 2	Red	Each side at rear as far back as practicable facing sideward	380-1530 (15-60)
4	a Front Side Marker Lamps	(P2, PC* or P3, PC2*) <small>*photometrically certified at installation angle</small>	Front and rear side marker lamps/ side reflex reflectors indicate vehicle's presence and length	Min. 2	Yellow	Each side at rear as far forward as practicable	380 (15) minimum
	b Front Side Reflex Reflectors	(A)		Min. 2	Yellow	Each side at rear as far forward as practicable facing sideward	380-1530 (15-60)

Additional Equipment For Trailers Exceeding The following Parameters ~ Length 9.1m (30 ft.) or longer ~

DESCRIPTION				MANDATORY REQUIREMENTS			
Area	Equipment	SAE Lens Coding	Functional Purpose	Quantity	Color	Location	Height mm(in.) from the ground
5	a Intermediate Side Marker Lamps	(P2 or P3)	Indicate presence of a long vehicle	Min. 2	Yellow	Each side near center facing sideward	380-(15) minimum
	b Intermediate Side Reflex Reflectors	(A)	Indicate presence of a long vehicle	Min. 2	Yellow	Each side near center facing sideward	380-1530 (15-60)

~ Width 2032mm (80 inches) or wider ~

DESCRIPTION				MANDATORY REQUIREMENTS			
Area	Equipment	SAE Lens Coding	Functional Purpose	Quantity	Color	Location	Height
6	Rear Clearance Lamps	(P2, PC* or P3, PC2*) <small>*photometrically certified at installation angle</small>	Show vehicle's width MAY NOT be combined with tail lamps	Min. 2	Red	At widest point - symmetrical on the rear or near the rear facing rearward	As high as practicable may be lower only if ID lamps are at the top
7	Rear Identification (ID) Lamps	(P2 or P3)	Indicate presence of a wide vehicle	Exactly 3	Red	On the rear - center horizontally spaced 150mm (6 in.) to 300mm (12 in.) apart facing rearward	At the top - may be lower if door header narrower than 25mm
8	Front Clearance Lamps	(P2, PC* or P3, PC2*) <small>*photometrically certified at installation angle</small>	Show vehicle's width	Min. 2	Yellow	At widest point - symmetrical on the front or near the front facing forward	As high as practicable

~ Width 2032mm (80 inches) or wider AND GVWR 4536 kg (10,000 lbs) or more ~

DESCRIPTION				MANDATORY REQUIREMENTS			
Area	Conspicuity Treatment	DOT Coding	Quantity	Color	Location	Height	Options
9	Rear Upper Body Markings		Exactly 2 pairs of 300mm long strips	White	On the rear upper corners facing rearward	At the top	Relax reflectors may not be required if they are replaced in their required location with conspicuity treatment. Optional in Canada: Rear lower body and side conspicuity treatment may also be solid white, solid yellow, or white and yellow.
10	Bumper Bar Marking	DOT-C	Continuous	Red/White	On the rear bumper bar's horizontal element full width - facing rearward	No requirement	
11	Rear Lower Body Marking	DOT-C2 DOT-C3 DOT-C4	Continuous	Red/White (see options)	On the rear full width of the vehicle - facing rearward	As horizontal as practicable and as close as practicable to the range of 375 to 1525mm from the ground	
12	Side Marking		(see location)	Red/White (see options)	Each side - facing sideward continuous, or evenly spaced over minimum of 50% of length starts and ends as close to the front and rear of the vehicle as practicable	As horizontal as practicable and as close as practicable to the range of 375 to 1525mm from the ground	

Note: The edge of red conspicuity tape shall not be closer than 75mm to the edge of any amber lamp and the edge of white conspicuity tape shall not be closer than 75mm to the edge of any lamp

Information

Hubs and Axles

Brake Assemblies

Suspensions & Fasteners

Tires & Wheels

Couplers, Jacks & Winches

Hitches & Towing Accessories

Body Components

Trailer Parts

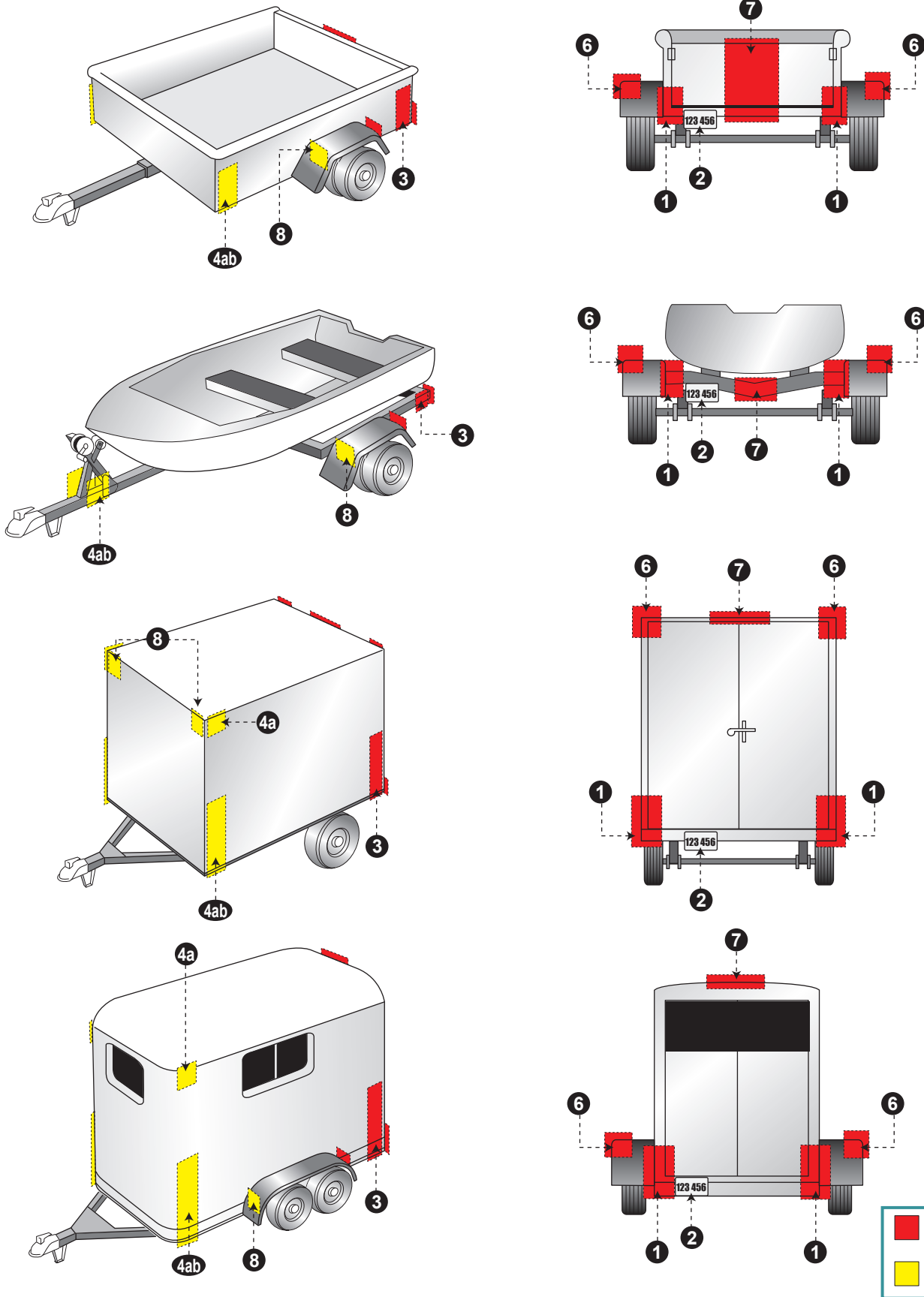
Lights & Electrical

Locks & Cargo Control

Brake Actuating Systems

Switches

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