



Basic Equipment Required on All Trucks, Buses, & MPVs

DESCRIPTION		MANDATORY REQUIREMENTS					
Equipment	(SAE Lens Coding)	Functional Purpose	QTY	Color	Location	Height (in) From Ground	
1	Headlamps - Lower Beam -US requires "DOT" lettering on lens -US & Canada require light source code on lens	(H, HR)	Forward road illumination	Min 2	White	On front - symmetrical - as far apart as practicable - 4 lamp system - outboard or above upper beams	22"- 54"
	Headlamps - Upper Beam -US requires "DOT" lettering on lens -US & Canada require light source code on lens	(H, HR)	Forward road illumination	Min 2	White	On front - symmetrical - 4 lamp system - inboard or below lower beams	22"- 54"
	Parking Lamps -Vehicles less than 80" wide	(P)	Indicate parked vehicle	Min 2	White/ Amber	On the front - symmetrical - as far apart as practicable	15"- 72"
	Daytime Running Lamps -US - Optional - requires "DRL" lettering if not headlamp -Canada - Required	(Y2)	Indicate in use vehicle	Min 2	White/ Amber		15" minimum *Max depends on type
Front Turn Signal/ Hazard Warning Lamps	(I)	Indicates direction of turn/identify disabled vehicle	Min 2	Amber	On the front - symmetrical - as far apart as practicable	15"- 83"	
2	Front Clearance Lamps -Vehicles 80" wide or wider	(P2, PC* or P3, PC2*)	Show vehicle's width	Min 2	Amber	At widest point - symmetrical - as far forward as practicable - facing forward	As high as practicable
3	Front Identification Lamps (ID) -Vehicles 80" wide or wider	(P2 or P3)	Indicate presence of a wide vehicle	Exactly 3	Amber	On the front - center - horizontally spaced 6"- 12" apart	As high as practicable or on top of the cab
4a	Front Side Marker Lamps	(P2, PC* or P3, PC2*)	Indicate vehicle presence & length	Min 2	Amber	Each side at front - as far forward as practicable	15" minimum
4b	Front Side Reflex Reflectors	(A)		Min 2	Amber	Each side at front - as far forward as practicable facing sideways	15"- 60"
5a	Rear Side Marker Lamps	(P2, PC* or P3, PC2*)	Indicate vehicle presence & length	Min 2	Red	Each side at rear - as far back as practicable	15" minimum
5b	Rear Side Reflex Reflectors	(A)		Min 2	Red	Each side at rear - as far back as practicable facing sideways	15"- 60"
6	Rear Clearance Lamps -Vehicles 80" wide or wider -Not required on truck tractors	(P2, PC* or P3, PC2*)	Shows veh. width- MAY NOT be combined with tail lamps	Min 2	Red	At widest point - symmetrical - on the rear or near the rear - facing Rearward	15" minimum
7	Rear Identification Lamps -Vehicles 80" wide or wider -Not required on truck tractors	(P2 or P3)	Indicate Presence of Long Vehicle	Exactly 3	Red	On the rear - center, facing rearward - horizontally spaced 6"- 12" apart	15"- 60"
8	Tail Lamps	(T)	Indicate vehicle's presence and width	Min 2	Red	On the rear - symmetrical as far apart as practicable	15"- 72"
	Stop Lamps	(S)	Indicate Braking	Min 2	Red		15"- 83"
	Rear Turn Signal/ Hazard Warning Lamps	(I)	Indicate direction of turn/ identify disabled vehicle	Min 2	Red/ Amber		15"- 60"
	Rear Reflex Reflectors	(A)	Show vehicle's presence and width	Min 2	Red		15"- 60"
9	Backup Lamp	(R)	Illuminates ground behind the vehicle and alert road users	Min 1	White	Rear	No requirement
10	License Plate Lamp(s)	(L)	Illuminates license plate	Min 1	White	On the rear - above or at the sides of license plate	No requirement
11	Center High Mounted Stop Lamp	(U3)	Indicates Braking	Min 1	Red	On the rear - centerline of the vehicle	34" minimum

*Photometrically certified at installation angle

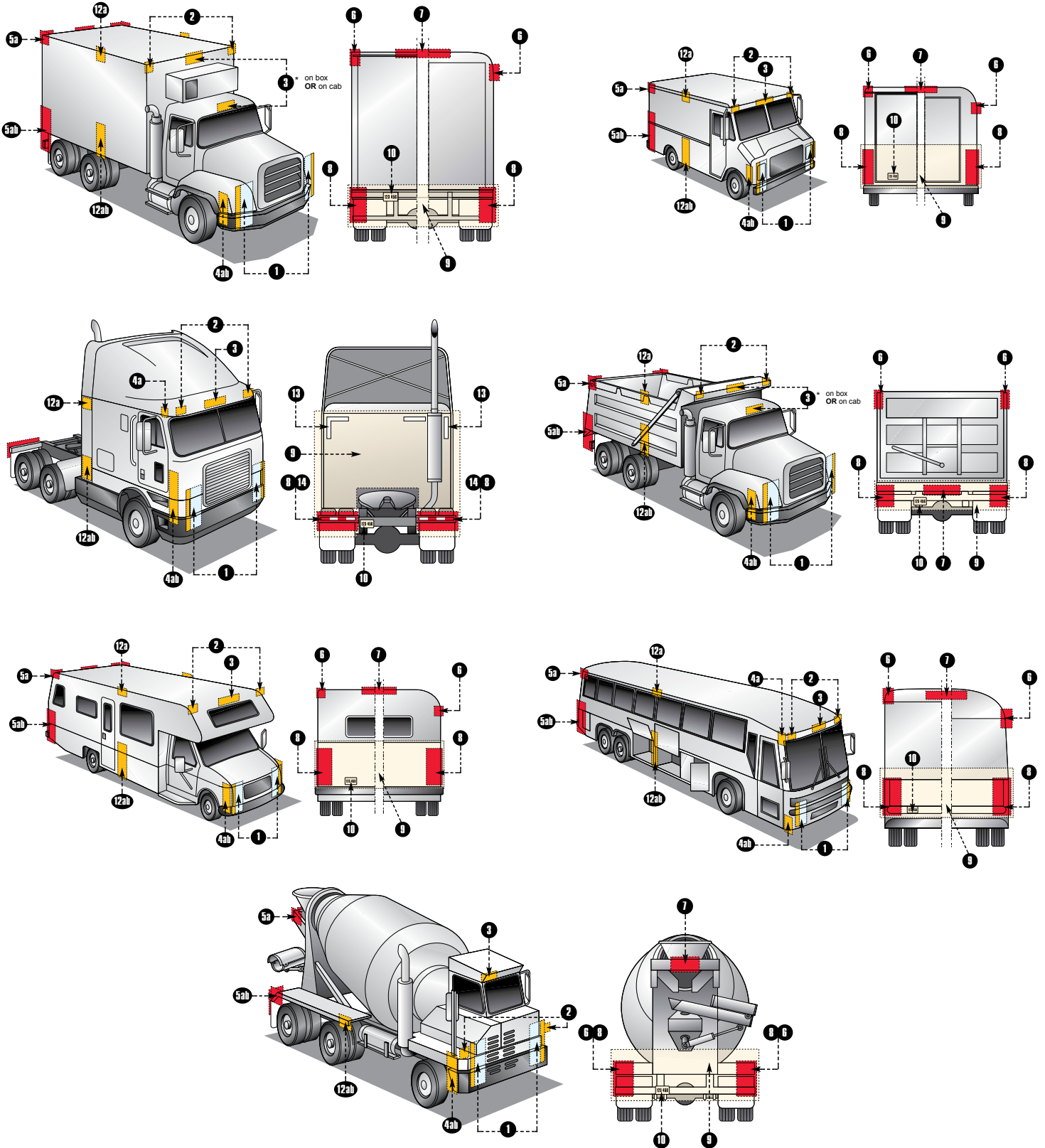
Length - 30' or longer

DESCRIPTION		MANDATORY REQUIREMENTS					
Equipment	(SAE Lens Coding)	Functional Purpose	QTY	Color	Location	Height (in) From Ground	
12a	Intermediate Side Marker Lamps	(P2 or P3)	Indicate presence of long vehicle	Min 2	Amber	Each side near center	15" minimum
12b	Intermediate Side Reflex Reflectors	(A)	Indicate presence of long vehicle	Min 2	Amber	Each side near center - Facing Sideways	15"- 60"

Truck Tractors

DESCRIPTION		MANDATORY REQUIREMENTS					
Conspicuity Treatment	DOT Cod-ing	QTY	Color	Location	Height (in) From Ground	Options	
9	DOT-C, DOT-C2, DOT-C3, DOT-C4	Exactly 2 pairs of 300mm (11.8") long strips	White	On the rear upper corners of cab - facing rearward	At the top	Rear lower body and side conspicuity treatment may also be solid white, solid amber, or white and amber	
11		Exactly 2 sections of min 600mm (24") long strips	Red/White	Rear - facing rearward - on fenders, on mud flap brackets, or within 300mm below top of mudflaps	As horizontal and as close to the range of 15"- 60" from ground as practicable		

Truck, Bus, & MPV Requirements





Basic Equipment Required on All Trailers

DESCRIPTION				MANDATORY REQUIREMENTS			
	Equipment	(SAE Lens Cod-ing)	Functional Pur- pose	QTY	Color	Location	Height (in) From Ground
1	Tail Lamps	(T)	Indicate vehicle presence & width	Min 2	Red	On the rear - symmetrical - as far apart as practicable	15"- 72"
	Stop Lamps	(S)	Indicate braking	Min 2	Red		15"- 72"
	Rear Turn Signal Lamps	(I)	Indicate direction of turn	Min 2	Red/ Amber		15"- 83"
	Rear Reflex Reflectors	(A)	Indicate vehicle presence & width	Min 2	Red		15"- 60"
2	License Plate Lamps	(L)	Illuminate 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*)	Indicate vehicle presence & length	Min 2	Red	Each side at rear - as far back as practicable	15"- 60" (no max for vehicles under 80" wide)
	Rear Side Reflex Reflectors	(A)		Min 2	Red	Each side at rear - as far back as practicable facing sideways	15"- 60"
4a	Front Side Marker Lamps	(P2, PC* or P3, PC2*)	Indicate vehicle presence & length	Min 2	Amber	Each side at front - as far forward as practicable	15" minimum
4b	Front Side Reflex Reflectors	(A)		Min 2	Amber	Each side at front - as far forward as practicable facing sideways	15"- 60"

*Photometrically certified at installation angle

Length - 30' or longer

DESCRIPTION				MANDATORY REQUIREMENTS			
	Equipment	(SAE Lens Cod-ing)	Functional Pur- pose	QTY	Color	Location	Height (in) From Ground
5a	Intermediate Side Marker Lamps	(P2 or P3)	Indicate presence of long vehicle	Min 2	Amber	Each side near center - Facing Sideways	15" minimum
5b	Intermediate Side Reflex Reflectors	(A)	Indicate presence of long vehicle	Min 2	Amber		15"- 60"

Width - 80" or wider

DESCRIPTION				MANDATORY REQUIREMENTS			
	Equipment	(SAE Lens Cod-ing)	Functional Pur- pose	QTY	Color	Location	Height (in) From Ground
6	Rear Clearance Lamps	(P2, PC* or P3, PC2*)	Shows veh. width- MAY NOT be combined with tail lamps	Min 2	Red	At widest point - symmetrical - on or near the rear - facing Rearward	15" minimum
7	Rear Identification Lamps	(P2 or P3)	Indicate Presence of Long Vehicle	Exactly 3	Red	On the rear - center, facing rearward - horizontally spaced 6"- 12" apart	15"- 60"
8	Front Clearance Lamps	(P2, PC* or P3, PC2*)	Show Vehicle's Width	Min 2	Amber	At widest point - symmetrical - as far forward as practicable - facing forward	As high as practicable

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Width - 80" or wider AND GVWR of 10,000 lbs or MORE

DESCRIPTION			MANDATORY REQUIREMENTS				
	Conspicuity Treatment	DOT Cod-ing	QTY	Color	Location	Height (in) From Ground	Options
9	Rear Upper Body Marking	DOT-C, DOT-C2, DOT-C3, DOT-C4	Exactly 2 pairs of 300mm (11.8") long strips	White	On the rear upper corners - facing rearward	At the top	Rear lower body and side conspicuity treatment may also be solid white, solid amber, or white and amber
10	Bumper Bar Marking		Continuous	Red/White	On the rear bumper bar's horizontal element - full width - facing rearward	No requirement	
11	Rear Lower Body Marking		Continuous	Red/White (see options)	On the rear - full width of the vehicle - facing rearward	As horizontal and as close to the range of 15"- 60" from ground as practicable	
12	Side Marking		See location	Red/White (see options)	Each side - facing sideways - continuous, or evenly spaced over minimum of 50% of length, starts and ends as close to the front and rear of vehicle as practicable		

- Reflex reflectors may not be required if they are replaced, in their required location, with conspicuity treatment (Optional in Canada)

Trailer Requirements

