

LAMPS

APPLICATION

The inspection applies to all the obligatory lamps fitted to vehicles.

STOP LAMPS

The inspection of stop lamps applies to any stop lamp fitted to vehicles.

END OUTLINE MARKER LAMPS

The inspection of end outline marker lamps applies to the obligatory marker lamps fitted to

- Vehicles first used from 24 January 1996

and which are more than 2.1 m wide.

SIDE MARKER LAMPS

The inspection of side marker lamps applies to obligatory marker lamps fitted to

- Vehicles with an overall length exceeding 6m first used on or after 1 January 1997 excluding passenger vehicles.

REAR FOG LAMPS

The inspection of rear fog lamps applies to any vehicle fitted with a rear fog lamp.

Rear fog lamps must be fitted to vehicles first used, from 1 November 1980

FRONT FOG LAMPS

The inspection of front fog lamps only applies to a vehicle where front fog lamps are fitted and first used on or after 1 March 2018.

REVERSING LAMPS

The inspection of reversing lamps applies to any motor vehicle first used on or after 1 September 2009.

DAY TIME RUNNING LAMPS

This inspection applies to daytime running lamps (DRLs) fitted as original equipment on motor vehicles first used on or after 1 March 2018.

Note:

Some vehicle models manufactured after 1 March 2018 may not have DRLs fitted if the same vehicle model was in production prior to 1 March 2018.

PROCEDURES AND STANDARDS

The check for position should be visual and only vehicles with lamps obviously out of position should be failed for this reason. A summary of the main requirements for each type of lamp is shown on the last page of this section.

END OUTLINE MARKER LAMPS

- The front lamp and the rear lamp may be combined.
- It is not acceptable for the rear position light to be used additionally as a marker lamp. A separate lamp must be fitted.
- The end outline marker lamps fitted to the rear of a vehicle can also act as the rear most side marker lamp provided it is of the correct colour and position. It is not acceptable for a side marker lamp to operate as an outline marker lamp.

SIDE MARKER LAMPS

Two or more marker lamps must be fitted at each side to ensure that the following is complied with

- Maximum distance of the foremost marker lamp from the front of the vehicle is 4m.
- Maximum distance of the rearmost marker lamp from the rear of the vehicle is 1m.
- Maximum distance between the light emitting surface of adjacent marker lamps is 3m or if this is not practical 4m.

REAR FOG LAMP

- Inspection of non-obligatory rear fog lamps is restricted to a check of colour, whether operation of the brakes affects the fog lamp.
- No more than two rear fog lamps may be fitted.

The rear fog lamps are permitted to be reciprocally incorporated with the rear position lamps providing the positional requirements are met (when the fog lamp is switched on the rear position lamps intensity increases to become the fog lamp).

Inspection of non-obligatory rear fog lamps is restricted to a check of colour and whether the operation of the brakes affects the fog lamp.

FRONT FOG LAMPS

This inspection only applies to front fog lamps where fitted to vehicles first used on or after 1 March 2018

Front fog lamps are permitted to operate independently of any other lamps or ignition systems.

Front fog lamps must show a steady white or yellow light to the front.

REAR REGISTRATION PLATE LAMP

The registration plate lamp must be fitted in a position where it can illuminate the registration plate. A lamp fitted in a position where it cannot do this should be considered as being not fitted.

REVERSING LAMPS

This inspection applies to all reversing lamps fitted to motor vehicles first used on or after 1 September 2009.

Reversing lamps must show a white light to the rear.

One to four reversing lamps may be fitted, but they must all work.

Vehicles over 6m in length may have six reversing lamps which may be:

- all showing white light to the rear
- up to four showing white light to the rear and one on each side.

DAY TIME RUNNING LAMPS

Daytime running lamps (DRLs) or headlamps may function as front position lamps. If the DRLs function as front position lamps, they should dim when rear position lamps are switched on and may turn off when headlamps are switched on.

Check that there are only 2 daytime running lamps (DRL) fitted and they are white in colour.

Check operation of DRL's where practical.

DRLs must switch on and off with the ignition or its equivalent, however, DRLs may not operate when the parking brake is applied, or when the park position is selected on automatic transmissions. They may also be manually switched off, in some cases they may not illuminate until the vehicle speed exceeds 10km/h (6.2mph) or the vehicle has travelled 100m (328ft).

HEADLAMPS

The Plain looking covers fitted to some vehicle headlights should be treated as a lens.

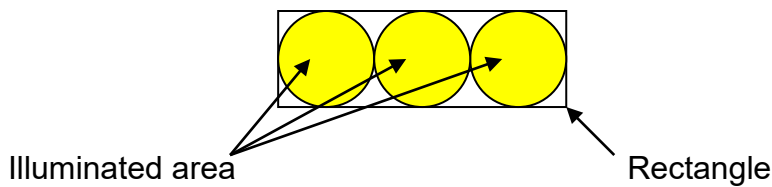
NOTES

Note: Obscuration of lamps - provided at least 50% of a lamp is visible this is not a Reason for Failure

Note: Matched Pair

- This means that the lamps emit light of the same colour and intensity and that both lamps are of the same size and are symmetrical to one another.
- If there is more than 1 bulb or LED in the lamp at least 50% must work

Note: If more than two lamps are fitted and the aggregated illuminated area occupies 60% or more of the area of the smallest rectangle circumscribing the illuminated area this should be treated as one lamp.



The check for position should be visual and only vehicles with lamps obviously out of position should be failed for this reason.

Before failing the operation of a lamp being affected by the operation of another lamp. The engine should be run to charge the electrical system.

Light that bleeds through from an adjacent lamp is acceptable provided the illuminated light lens does not change colour.

Gas discharge lamps, blue tint bulbs and lamps with neutral colour lenses are acceptable providing when lit the light emitted is white or; if it is a direction indicator is amber or in the case of a stop lamp red.

Vehicles equipped with dim dip require the front position lamps to be checked for operation with the ignition switched off.

REASONS FOR FAILURE

	Deficiency Category
OBLIGATORY FRONT AND REAR POSITION LAMPS	
1. An obligatory position lamp missing	MAJOR
2. A switch missing, insecure, faulty or not able to be operated	MAJOR

from the normal driving position

- | | | |
|----|---|-------|
| 3. | The front and rear position lamps do not illuminate with a single operation of the switch | MAJOR |
| 4. | | |
| a. | A front position lamp shows a light other than white to the front, (or yellow if incorporated in a yellow headlamp) | MAJOR |
| b. | A rear position lamp shows a light other than red to the rear, | MAJOR |

Note:

Some front position lamps have a blue tinge to the light. This is acceptable provided the light is predominantly white.

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|----|---|-------|
| 5. | A front or rear position lamp | |
| a. | Incomplete, not in good working order or not clear. | MAJOR |

Note:

An effective proprietary repair (e.g. lens repair tape, etc) must be assessed on its merits, considering security, colour, light output and durability.

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|----|--|----------------|
| b. | Not securely attached. | MINOR |
| c. | Likely to become detached, obscured, or does not face to the front or rear or side as appropriate. | MAJOR |
| d. | Flicker when tapped lightly by hand. | MINOR |
| e. | Adversely affected by the operation of any other lamp, e.g., dual-function lamps on foreign vehicles. | MAJOR |
| f. | Obviously incorrectly positioned | MAJOR |
| g. | Reduced light intensity with more than 50% of the light sources illuminating | MINOR |
| h. | inoperative or less than 50% of the light sources illuminating
*(one inoperative where more than one is fitted) | *MINOR / MAJOR |
| i. | obscured so that less than 50% of the lamp illuminating surface is visible from the front or rear as appropriate | MAJOR |
| j. | not visible from a reasonable distance due to excessive damage, deterioration, or having products on the lens or | MAJOR |

light source

REGISTRATION PLATE LAMPS

6. A rear registration plate lamp
- | | |
|---|-------|
| a. Does not illuminate simultaneously with the position lamps | MINOR |
| b. Not fitted | MAJOR |
| c. Insecure | MINOR |
| d. Defective forming part of a multiple lamp or light source | MINOR |
| e. Defective where it is the only lamp or light source | MINOR |
| f. Not illuminating the rear number plate | MINOR |
| g. Flickers when tapped lightly by hand | MINOR |
| h. Shows white light directly to the rear | MINOR |

REAR FOG LAMP

7. A mandatory rear fog lamp
- | | |
|--|-------|
| a. switch missing, insecure, faulty, or not able to be operated from the normal driving position | MAJOR |
| b. 'tell-tale' missing or inoperative. | MINOR |
| c. missing, obviously incorrectly positioned or does not face to the rear | MAJOR |
| d. not securely attached | MINOR |
| e. Likely to become detached | MAJOR |
| f. Reduced light intensity with more than 50% of the light sources illuminating | MINOR |
| g. inoperative or less than 50% of the light sources illuminating | MINOR |
| h. obscured so that less than 50% of the lamp illuminating surface is visible from the rear | MAJOR |
| i. not visible from a reasonable distance due to excessive | MAJOR |

damage, deterioration, or having products on the lens or light source

- j. shows other than a steady red light to the rear MAJOR
- k. adversely affected by the operation of any other lamp MAJOR

FRONT FOG LAMP

8. A front fog lamps

- a. switch missing, insecure, faulty, or not able to be operated from the normal driving position MAJOR
- b. 'tell-tale' missing or inoperative. MINOR
- c. obviously incorrectly positioned or does not face to the front MAJOR
- d. not securely attached MINOR
- e. likely to become detached MAJOR
- f. reduced light intensity with more than 50% of the light sources illuminating MINOR
- g. inoperative or less than 50% of the light sources illuminating MINOR
- h. shows other than a steady white or yellow light to the front MAJOR
- i. lens defective MINOR

END OUTLINE MARKER LAMPS (WHERE REQUIRED)

9. An end outline marker lamp

- a. does not illuminate simultaneously with the position lamps MAJOR
- b. missing, obviously incorrectly positioned or does not face to the front or rear as appropriate MAJOR
- c. not securely attached MINOR
- d. likely to become detached MAJOR
- e. reduced light intensity with more than 50% of the light sources illuminating MINOR

- | | | |
|----|---|----------------|
| f. | inoperative or less than 50% of the light sources illuminating
*(one inoperative where more than one is fitted) | *MINOR / MAJOR |
| g. | obscured so that less than 50% of the lamp illuminating surface is visible from the front or rear as appropriate | MAJOR |
| h. | not visible from a reasonable distance due to excessive damage, deterioration, or having products on the lens or light source | MAJOR |
| i. | shows a light other than red to the rear and white to the front | MAJOR |
| j. | adversely affected by the operation of any other lamp. | MAJOR |
| k. | Flickers when tapped lightly by hand | MINOR |

SIDE MARKER LAMPS (WHERE REQUIRED)

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|------------------------|--|----------------|
| 10. A side marker lamp | | |
| a. | Missing or obviously incorrectly positioned | MAJOR |
| b. | obscured so that less than 50% of the lamp illuminating surface is visible | MAJOR |
| c. | not securely attached | MINOR |
| d. | likely to become detached | MAJOR |
| e. | not working,
*(one not working where more than one is fitted) | *MINOR / MAJOR |
| f. | Flickers when tapped lightly by hand | MINOR |
| g. | Shows light of incorrect colour | MAJOR |

DAYTIME RUNNING LAMPS

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|-----------|---|-------|
| 11. Lamp: | | |
| a. | Emitted colour, position or intensity not in accordance with the requirements | MINOR |

- | | | |
|----|---|-------|
| b. | Missing or inoperative | MAJOR |
| c. | Showing red light to the front, white light to the rear | MAJOR |
| d. | Defective Lens | MAJOR |
| e. | Likely to become detached | MAJOR |

REVERSING LAMPS

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|-----|---|-------|
| 12. | A reversing lamp missing or inoperative. | MINOR |
| 13. | A reversing lamp lens defective. | MINOR |
| 14. | A reversing lamp: | |
| a. | not securely attached | MINOR |
| b. | likely to become detached. | MAJOR |
| c. | does not extinguish when reverse gear is deselected | MAJOR |
| d. | emitted colour, position or intensity not in accordance with the requirements | MINOR |

HEADLAMPS

- | | | |
|-----|---|-------|
| 15. | A missing or insecure obligatory headlamp. | MAJOR |
| 16. | Missing, faulty or insecure switch | MAJOR |
| 17. | | |
| a. | Headlamp does not operate immediately when selected on dipped beam or on main beam. | MAJOR |
| b. | Operation of the dip switch does not | |
| • | Extinguish all main beam headlamps, and leave on at least one pair of dipped-beam headlamps, or | MAJOR |
| • | Deflect the main beams to make them dipped beams. | MAJOR |
| c. | The 'tell-tale' does not illuminate when main beam is selected | MINOR |
| 18. | An obligatory main or dipped beam headlamp | |

- | | | |
|----|---|-------|
| a. | Inoperative, not in good working order damaged or deteriorated or light source so that:- | |
| | <ul style="list-style-type: none"> • The light output is slightly reduced, or | MINOR |
| | <ul style="list-style-type: none"> • The light output is well below that required to illuminate the road ahead, or | MAJOR |
| | <ul style="list-style-type: none"> • The beam image is adversely affected | MAJOR |
| b. | insecure | MAJOR |
| c. | an obligatory headlamp shows light that is not substantially white or yellow | MAJOR |
| d. | adversely affected by the operation of any other lamp. | MAJOR |
| e. | an LED headlamp | |
| | <ul style="list-style-type: none"> • with up to ½ light sources not functioning. | MINOR |
| | <ul style="list-style-type: none"> • With more than ½ light sources not functioning | MAJOR |
| f. | Flickers or extinguishes when tapped lightly by hand | MAJOR |
| g. | The headlamps provided to form a, matched pair. | |
| | <ul style="list-style-type: none"> • Do not emit light of the same colour | MINOR |
| | <ul style="list-style-type: none"> • Are not the same size | MAJOR |
| | <ul style="list-style-type: none"> • Are obviously not correctly positioned. | MAJOR |

STOP LAMPS

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|-----|--|-------|
| 19. | | |
| a. | missing, obviously incorrectly positioned or does not face to the rear | MAJOR |
| b. | not securely attached | MINOR |
| c. | likely to become detached. | MAJOR |
| d. | less than 50% of the light sources illuminating | MAJOR |
| e. | reduced light intensity with more than 50% of the light sources illuminating | MINOR |
| f. | obscured so that less than 50% of the lamp illuminating surface is visible from the rear | MAJOR |

g.	not visible from a reasonable distance due to excessive damage, deterioration, or having products on the lens or light source	MAJOR
h.	shows other than a steady red light to the rear when any service brake is applied, or remains on when the service brake is released	MAJOR
i.	adversely affected by the operation of any other lamp, e.g. dual-function lamps on foreign vehicles.	MAJOR
j.	is incomplete, not in good working order or in clean condition, i.e., so damaged or deteriorated that its function is impaired.	MAJOR
k.	remains on when the brakes are released	DANGEROUS
l.	inoperative *(one inoperative where more than one is fitted)	*MINOR / MAJOR
20.	All stop lamps are inoperative	DANGEROUS

Note:

On vehicles first used before 1 October 1968, it is acceptable for a direction indicator lamp to be incorporated with a stop lamp.

TYPE	DATE OF FIRST USE		POSITION			COLOUR
			Max distance from side (mm)	Maximum height (mm)	Minimum height (mm)	
Front position lamps	Motor vehicles	From 24 January 1996	400	19. 1500 or if impracticable 2100	-	White or yellow if in a headlamp which shows yellow light.
		Before 24 January 1996	300	2300	-	
Front End Outline Marker Lamp	Motor vehicles	From 24 January 1996	400	-	The top of the lamp shall be no lower than the top of the windscreen	20. White
Dipped Beam Headlamp	From 1972 (refer to Lighting regulations for earlier vehicles)		400	1200	500	White or yellow

Main Beam Headlamp	From 1931		No closer to the side than the dipped beam lamp	-	21. -	White or yellow
Rear Position Lamps	Motor vehicles	From 24 January 1996	400	1500 or if impracticable 2100	350	Red
	Motor vehicles	Before 24 January 1996	800	2100	-	
Rear End Outline Marker Lamps	Motor vehicles	From 24 January 1996	400	-	As high as possible with regard to the lateral position, being a pair and the use for which the vehicle is constructed	Red
Stop Lamps	From 1936 (refer to Lighting regulations for earlier vehicles)		One on each side with a minimum separation distance of 400 mm	1500 or if impracticable 2100	350	Red
Rear Registration Plate Lamp	All vehicles		-	-	-	White
Rear Fog Lamp	Motor vehicles	From 1 November 1980	Where one lamp is fitted: on centre line or offside of vehicle. No requirement where two lights are fitted.	1000	250	Red
Side marker lamps	Motor vehicles	1 January 1997	-	2300	-	Amber or red if within 1m of the rear of the vehicle

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