

Correct as at 28th April 2026. It may be superseded at any time.

Extract taken from: In-service certification (WoF and CoF) > Forklifts > Vision

## 5 Vision

### 5-1 Glazing

#### Reasons for rejection

##### Glazing condition

1. A piece of glazing is not mechanically sound, or is not securely affixed to the vehicle.
2. A windscreen or front side window is so dirty or obstructed that the driver's vision is unreasonably impaired.
3. A windscreen has damage that prevents the wiper blades from working properly.
4. A windscreen has scratches, discolouration or other defects that unreasonably impair the driver's vision or compromise the strength of the windscreen.
5. A modification:
  - a) unreasonably impairs driver's vision through the windscreen or a front side window, or
  - b) adversely affects the strength or mechanical performance of the glazing.

##### Glazing performance

6. The overall visible light transmittance (VLT) (Note 2) of a windscreen is less than 70%.
7. The overall VLT of a front side window is less than 35%.
8. Glazing has a mirrored effect sufficient to dazzle other road users.

##### Permitted modifications

9. A modification that affects glazing is not within the limits in Table 5-1-1.

##### Note 1 Definitions

**Windscreen** means all glazing extending across the front of the vehicle that is not parallel to the vehicle's centreline but does not include a wind deflector. No fitting of overlays or stickers are permitted to the windscreen except those previously mentioned.

**Overlay** means a transparent, translucent or opaque self-adhesive or clinging film that is applied to large areas, or the whole, of a piece of glazing, including anti-glare band overlays and stoneguard overlays.

**Sticker** means a self-adhesive or clinging film, with or without print on it, that is applied for purposes such as advertising, identification, information, decoration or legal reasons.

**Anti-glare band overlay** means a tinted overlay that is transparent and that is applied along the top edge of the windscreen for the purpose of reducing glare from the sun.

**Damage** includes any unrepaired damage and attempted visible repairs.

**Note 2**

**Visible light transmittance (VLT)** is the proportion of visible light that passes through glazing, measured perpendicular to the glazing. Overall VLT is the VLT of the glazing together with any overlays.

**Table 5-1-1. Permitted modifications**

Fitting of or modification to:	Modification permitted provided that:
<b>Windscreens</b>	
Stickers	<ul style="list-style-type: none"> <li>• stickers are wholly within 100mm of the top or bottom edge, or 50mm of the side edges, unless required or permitted by legislation, eg:               <ul style="list-style-type: none"> <li>– a licence label</li> <li>– a road user licence label</li> <li>– a WoF label</li> <li>– an alternative fuel sticker</li> <li>– a current parking permit or other document issued by the local authority</li> <li>– learner L-plates (in sticker format) provided the driver’s vision is not unreasonably affected.</li> </ul> </li> </ul>
Anti-glare band overlay	<ul style="list-style-type: none"> <li>• the overlay is transparent, and</li> <li>• the overlay does not extend below the bottom edge of the vehicle’s OE sun visors when they are folded down as far as possible towards the windscreen, and</li> <li>• the overlay does not contain print below a line that is 100mm below and parallel to the top edge of the windscreen.</li> </ul>
Radio antennae	<ul style="list-style-type: none"> <li>• antennae are wholly within 100mm of any edge.</li> </ul>
<b>Front side windows</b>	
Transparent overlays	<ul style="list-style-type: none"> <li>• the overall visible light transmittance (VLT) is not reduced to below 35%.</li> </ul>
Stickers	<ul style="list-style-type: none"> <li>• stickers are wholly within 100mm of the bottom edge, or 50mm of any other edge, unless required or permitted by legislation.</li> <li>• manufacturer’s operating instructions may be applied to or incorporated in the glazing.</li> </ul>
Radio antennae	<ul style="list-style-type: none"> <li>• antennae are wholly within 100mm of any edge.</li> </ul>

Fitting of or modification to:	Modification permitted provided that:
<b>Rear and rear side windows (behind the driver's seat)</b>	
Overlays and other modifications	<ul style="list-style-type: none"> <li>the vehicle is equipped on both sides with external rear-view mirrors.</li> </ul>
Stickers	<ul style="list-style-type: none"> <li>stickers may be applied anywhere on the glazing, but if not wholly within 100mm of any edge, the vehicle must be equipped on both sides with external rear-view mirrors.</li> </ul>
Radio antennae	<ul style="list-style-type: none"> <li>in-service requirements for condition and performance are met.</li> </ul>
Fitting of or modification to:	Modification always permitted:
Monsoon shields	<ul style="list-style-type: none"> <li>in-service requirements for condition and performance must be met.</li> </ul>
Electric demisters	
Sunroofs (overlays and stickers applied anywhere on the glazing, radio antennae, and electric demisters)	

## Summary of legislation

### Applicable legislation

- [Land Transport Rule: Glazing, Windscreen Wipe and Wash, and Mirrors 1999.](#)

### Glazing condition

- Glazing must be mechanically sound, strong and securely affixed to the vehicle.
- A windscreen and front side windows must be clean and free of obstruction to ensure the driver has sufficient vision through the glazing to operate the vehicle safely.
- A windscreen must not have scratches and other defects that:
  - unreasonably impair vision, or
  - compromise its strength.
- A laminated windscreen must not show signs of discoloration that could unreasonably impair the driver's vision.

5. Glazing in roof panels may be tinted.

### **Glazing performance**

6. A windscreen must have an overall visible light transmittance (VLT) of at least 70%.

7. A front side window must have an overall VLT of at least 35%.

8. Glazing must not have a mirrored effect sufficient to dazzle other road users.

9. A modification must not:

- a) unreasonably impair vision through a windscreen or a front side window, or
- b) adversely affect the strength or mechanical performance of the glazing or the vehicle.

### **Permitted modifications**

10. A modification that affects glazing is permitted if within the limits in Table 5-1-1.

## **5-2 Sun visors**

### **Reasons for rejection**

#### **Condition**

1. A sun visor (Note 1):

- a) is insecurely mounted, or
- b) for the driver, cannot be adjusted from the normal driving position, or
- c) cannot maintain its adjusted position, or
- d) has been modified or has deteriorated, and the likelihood of injury to vehicle occupants has not been minimised.

#### **Performance**

2. A driver's sun visor does not effectively aid the driver's vision by intercepting the glare from the sun.

#### **Note 1**

**Sun visor** means any attachment mounted above the inside of the windscreen and provided for the purpose of shielding the eyes of the driver and other front seat passengers from solar glare.

## **Summary of legislation**

### **Applicable legislation**

- [Land Transport Rule: Vehicle Equipment 2004](#)
- [Land Transport Rule: Interior Impact 2002.](#)

### **Permitted equipment**

1. A forklift may be fitted with sun visors (Note 1).

### **Performance**

2. The condition of sun visors must be such that the likelihood of injury to occupants is minimised.
3. A driver's sun visor must be effective.

## **5-3 Windscreen wipe and wash**

### **Reasons for rejection**

#### **Mandatory equipment**

1. A forklift that has a windscreen is not fitted with a windscreen wipe system.
2. A forklift manufactured on or after 1 January 1960 is fitted with wipers that are not power driven.

#### **Condition**

#### **Windscreen wipe system**

3. The wiper operating device is missing.
4. A wiper arm or wiper blade is:
  - a) missing, or
  - b) insecure, or
  - c) damaged so as to affect the performance of the wipers.
5. The wiper operating mechanism is:
  - a) missing, or
  - b) insecure, or
  - c) damaged so as to affect the performance of the wipers.

#### **Windscreen wash system**

6. A wash system component is missing or insecure.
7. The wash operating device is missing.

#### **Performance**

#### **Windscreen wipe system**

8. A windscreen wiper does not wipe the windscreen effectively, preventing adequate forward vision by the driver.
9. The wipe operating device is unable to activate the wipe system.

## Windscreen wash system

10. A windscreen wash nozzle does not discharge washer liquid directly onto the windscreen.
11. The wash operating device is unable to activate the wash system.

## Summary of legislation

### Applicable legislation

- [Land Transport Rule: Glazing, Windscreen Wipe and Wash, and Mirrors 1999.](#)

### Mandatory equipment

1. A forklift that is fitted with a windscreen must have a windscreen wipe system.
2. Windscreen wipers must be power driven, unless they follow OE specifications in a vehicle manufactured before 1 January 1960.

### Permitted equipment

3. A forklift may be fitted with a wash system.

### Condition

4. A forklift's windscreen wipe and wash system must be efficient and within the vehicle manufacturer's operating limits.

### Performance

5. The equipment fitted must be capable of keeping an adequate area of the windscreen clean and clear so that the vehicle may be operated safely under all reasonably foreseeable conditions.

## 5-4 Rear-view mirrors

### Mandatory equipment

1. A forklift is not fitted with at least one rear-view mirror.

### Condition

2. A rear-view mirror:
  - a) is not mounted securely, or
  - b) cannot be adjusted, or
  - c) cannot maintain its adjusted position, or
  - d) is corroded or dirty, or
  - e) is damaged so that it increases the risk of injury to vehicle occupants.

### Performance

3. A rear-view mirror:
  - a) does not provide a clear view to the rear of the vehicle, or

b) is not sufficiently isolated from vibrations.

## Summary of legislation

### Applicable legislation

- Land Transport Rule: Glazing, Windscreen Wipe and Wash, and Mirrors 1999.

### Mandatory equipment

1. A forklift must be fitted with a rear-view mirror.

### Permitted equipment

2. Additional rear-view mirrors may be fitted.

### Condition

3. A rear-view mirror must be:

- a) securely attached so that the risk of injury is minimised, and
- b) mounted so that vibration does not inhibit the driver's required clear view to the rear, and
- c) sufficiently adjustable, and able to maintain its position.

### Performance

4. A rear-view mirror must provide a clear view to the rear of:

- a) the forklift itself, and
- b) the forklift's load, and
- c) any towed trailer and its load.

5. A rear-view mirror must be sufficiently isolated from vibrations.