

Correct as at 4th June 2026. It may be superseded at any time.

**Extract taken from:** In-service certification (WoF and CoF) > Heavy vehicles > Miscellaneous items > Engine and transmission

## 13-1 Engine and transmission

### Reasons for rejection

#### Condition

1. Refer to [general vehicle pages](#).
2. A device fitted to a vehicle to restrict the field of swing of a driveshaft in the event of driveshaft failure is:
  - a) missing, where there is evidence that one was originally fitted, or
  - b) not securely attached, or
  - c) cracked, or
  - d) significantly deteriorated or damaged so that it is unlikely to prevent the driveshaft from striking the ground, chassis or floor in the event of driveshaft failure, or
  - e) showing evidence of contact with the driveshaft.

#### Modification

3. A modification or repair affects the engine or transmission and:
  - a) is not excluded from the requirements for HVS certification (Table 13-1-2), or
  - b) the modification is not for the purpose of law enforcement or the provision of emergency services, or
  - c) is missing proof of HVS certification, ie **the vehicle has been modified or repaired, and**
    - i. no LANDATA record has been entered, or
    - ii. no valid LT400 form from an HVS certifier of category HVEC or HMCD has been presented.

**Table 13-1-2. Requirements for HVS certification**

<b>HVS certification is required</b>	<b>HVS certification is not required</b>
1. Significant work involving: a) relocation of components b) fitting of components that are not identical to OE components c) modification of components.	1. Any modification or repair likely to have been carried out before 1 January 1997 (modifications and repairs before this date generally required certification but for inspection purposes no evidence of this is required). 2. Any repair or modification not listed in the left-hand column unless the vehicle inspector considers that certification is required because the modification or repair has affected the vehicle's safety performance (a second opinion from an expert may be needed, eg the manufacturer's representative, or a reputable workshop).

## Summary of legislation

### Applicable legislation

- [Land Transport Rule: Heavy Vehicles 2004](#).

### Permitted equipment

1. The vehicle may be fitted with a device to restrict the field of swing of a driveshaft in the event of driveshaft failure.

### Condition

2. The transmission must:
  - a) be within safe tolerance of its original condition, and
  - b) have adequate strength and performance characteristics for the conditions and loading for which the vehicle was constructed.
3. A device fitted to a vehicle to restrict the field of swing of a driveshaft in the event of driveshaft failure must be within safe tolerance of its original condition.

### Modification

4. A modification or repair that affects the engine or transmission must be inspected and certified by an HVS certifier of category HVEC or HMCD unless the vehicle:
  - a) excluded from the requirement for HVS certification (Table 13-1-2), and
  - b) has been inspected in accordance with the requirements in this manual, including those for equipment, condition and performance.