

Changes to MOT Inspection Manual - May 2018

New test items

- Brake fluid
- Additional braking device performance
- Daytime running lamps
- Front fog lamps
- Reversing lamps
- Bumpers
- Prop shafts
- All rear drive shafts
- Cab security
- Cab steps
- Floors
- Passenger hand grips (quads and heavy trikes only)
- Noise suppression material
- Undertray security
- Emission control equipment
 - Oxygen sensor
 - NOx sensor
 - Exhaust gas recirculation valve
 - Other emission control equipment
- Engine Malfunction indicator lamp
- Fluid leaks - engine, transmission etc

Introduction

- Introduction of EU Type Approval categories
- Clarification of Dual purpose vehicle definition
- American and Canadian pick-up trucks up to 6500kg added to Class 4
- Information about Vehicles of Historic Interest added
- Reason to refuse to test for presence of a load added
- Reasons for Rejection changed to Deficiencies
- Minor, Major and Dangerous deficiency categorisation
- Definition of insecure added
- Definition of unsafe modification added
- Changes to 'extensively modified vehicles to include modifications for disabled use
- Removal of non-component advisory items on MTS

Brakes

- New failure for brake lining or pad wear indicator illuminated
- New failure for brake lining or pad incorrectly mounted
- New failure for a brake disc or drum missing
- New failure for incorrectly installed brake slack adjuster
- New failure for additional braking device insecure or inoperative
- New failures for other braking system components damaged or corroded e.g. air dryer, antifreeze pump
- ABS system cannot be removed on a post 2010 vehicle
- New failure for brake fluid contaminated
- New failures for air brake reservoir drain device

Steering

- New failures for sector shaft condition
- New failure for steering gear fixing holes elongated
- New failures for electronic power steering wiring damaged or corroded
- New failure relating to 'fly by wire' steering systems

Visibility

- Driver's field of vision definition updated
- View of exterior mirrors added
- New failure for excessively tinted glass

Lamps, Reflectors and Electrical Equipment

- New failure for light source and lamp not compatible
- Headlamp washers tested on vehicles first used on or after 1 September 2009
- Information added about the interaction between position lamps and other lamps
- Inspection of end-outline marker lamps now applies to Class 4, 5, and 7
- New failures for daytime running lamps
- New failures for front fog lamps
- New failures for reversing lamps

Axles, Wheels, Tyres and Suspension

- Failures previously only applicable to large vehicles now apply to any vehicle
- Checks for tyre structure between axles removed
- Improved information about assessing tyre damage
- Reference to stretched tyres included
- New failure for tyre obviously under-inflated
- New failure for a spring missing
- Tyre tables now in Appendix B

Chassis frame and Attachments

- Vehicle structure now fails if its rigidity is significantly reduced

- New checks for strengthening plates and fastening
- Exhaust fumes entering cabin failure extended to all vehicles
- Information about fuel tanks holed above the fuel line added
- New failures for fuel tank and exhaust shields missing
- New failure for any part of a gas fuel system defective
- New failures for bumper security
- New failure for spare wheel carrier condition
- New failures for towbar safety devices and coupling indicators
- Inspection of drive shafts extended to all transmission shafts, including prop shafts
- Inspection now includes drive belts and chains
- Inspection of body condition now includes unsafe modifications, component security, including undertrays as well as body pillars on goods vehicles
- New failures for cab security
- New failures for floor condition
- New failures for seat structure condition
- New failures for cab steps
- New failures for footrests and handgrips where fitted

Other Equipment

- Seat belt fitment information moved to Appendix C
- Seat belt installation checks moved to Section 10
- New failure for seat belt not functioning as intended

Nuisance

This new Section includes noise, emissions and fluid leaks

- New failures for noise suppression material
- New failures for exhaust emission control equipment
- New failures for induction leaks
- New failure for engine malfunction indicator lamp
- New failure for evidence that a diesel particulate filter (DPF) has been tampered with
- Metered smoke test date changed to 1 January 1980
- New smoke limit of 0.7m⁻¹ introduced for vehicles first used on or after 1 January 2014
- Smoke test limits on vehicles post 1 July 2008 will be carried out to either the default standard or the limit on the manufacturers plate where one is displayed
- Option to abort the smoke test if levels are significantly in excess of the specified limit values after one acceleration
- Fast pass no longer exists
- Test is passed if specific limit achieved after one acceleration, otherwise after three accelerations, otherwise after up to a maximum of 6 accelerations
- New failure for any visible smoke from a vehicle fitted with a DPF
- New failures for fluid leaks - engine coolant and Adblue not included

Appendix A - Structural Integrity and Corrosion

- Change to failure criteria for defects not within a prescribed area
- Clarification on acceptable repairs in the case of spot welded panels

Other changes

- Inappropriate repair dropped other than for prescribed areas
- Inappropriate modification changed to unsafe modification
- Where only 'Minor' deficiencies exist, a test certificate will still be issued. Some of these items currently fail the test and include:
 - Brake fluid level below minimum mark
 - Master cylinder cap missing
 - Brake fluid warning lamp illuminated or inoperative
 - Power steering fluid below minimum mark
 - Trailer electrical socket insecure
 - Direction indicator flashing rate
 - One of two registration plate lamps missing or inoperative
 - Several audible warning defects
 - Many items 'insecure' but not likely to become detached