**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
* Tyr 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