







**Legislation and Type Approval Tests for Vehicles**

No.	Test Items	Standard NO.	Object	Applicability for categories of vehicles											
				M1	M2	M3	N1	N2	N3	O1	O2	O3	O4		
9	Speed limiters <sup>(1)</sup>	92/24/EEC	Applies to speed limitation devices with acceleration test acceptance criteria for steady speed. purpose is to limit to a specified value the maximum road speed of heavy goods and passenger carrying vehicle. This is achieved by a speed limitation whose primary function is to control the fuel feed to the engine.			*		*	*						
10	Speedometer and reverse gear <sup>(1)</sup>	75/443/EEC ECE 39	The speedometer display shall be situated in the legible both by day and night. The range of speeds indicted must be large enough to including the maximum speed given by the manufacturer for the type of vehicle.	*	*	*	*	*	*						
11	Radio interference suppression <sup>(1)</sup>	72/245/EEC ECE 10	Measurement of radio interference produced by electromagnetic compatibility of vehicles.	*	*	*	*	*	*	*	*	*	*	*	*
12	Audible warning	70/388/EEC ECE 28	The warning device shall emit a continuous sound and shall have acoustic characteristics (frequency spectrum of the sound, level of sound pressure) and mechanical characteristics.	*	*	*	*	*	*						
13	Identification of controls <sup>(1)</sup>	78/316/EEC	Applies to motor vehicles with regard to the identification of manual controls, tell- tales and indicators.	*	*	*	*	*	*						







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20	End-outline, position(side), stop, side marker, day time running lamps <sup>(1)</sup>	76/758/EEC ECE 7,91,87	Applies to the lamp used to indicate the presence and the width of the vehicle when viewed from the rear and front. applies to the lamp used to vehicle that its driver is applying the services brake and lamp fitted near to the entrance outer edges. Characteristics of the optical system, level of intensity light distribution angles, type of filament lamp, system used to reduce illumination at night, colour of light emitted, photometric measurements trichromatic Coordinates.	*	*	*	*	*	*	*	*	*	*	*
21	Direction indicators <sup>(1)</sup>	76/759/EEC ECE 6	Intensity of light emitted, colour of light emitted, minimum angles required for light distribution in space of direction indicator lamps. Photometric measurements.	*	*	*	*	*	*	*	*	*	*	*
22	Rear registration plate lamps <sup>(1)</sup>	76/760/EEC ECE 4	Colour of light, angle of incidence, photometric characteristics , minimum field of visibility of the surface to be illuminated.	*	*	*	*	*	*	*	*	*	*	*
23	Head lamps <sup>(1)</sup>	76/761/EEC ECE 1,2,5,8,20, 37	adequate illumination without dazzle, wattage and light- flux values colour, optical quality, measuring screen, stability of photometric performance, cut- off line under the influence of heat.	*	*	*	*	*	*	*				



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24	Front fog lamps <sup>(1)</sup>	76/762/EEC ECE 19	Test for lamp used to improve the illumination of the road in case of fog, snowfall, rainstorms or dust clouds illumination and colour of light		*	*	*	*	*	*				
25	Rear fog lamps <sup>(1)</sup>	77/538/EEC ECE 38	Intensity of light emitted, Heat resistance, colour of light emitted, photometric measurements.		*	*	*	*	*	*	*	*	*	*
26	Reversing lamps <sup>(1)</sup>	77/539/EEC ECE 23	Applies for lamp to illuminate the road to the rear of the vehicle and to warn other road users that the vehicle is reversing intensity of light. Colour of light, photometric measurement.	*	*	*	*	*	*	*	*	*	*	*
27	Safety glass and glazing materials <sup>(1)</sup>	92/22/EEC ECE 43	Applies to safety glass and materials for glazing intended to be fitted in the form of a wind screen or other glazing or separating panels with the devices and for the dashboard. Fragmentation, mechanical strength, resistance to the environment, optical quality, resistance to chemical agents.	*	*	*	*	*	*	*	*	*	*	*
28	Liquid fuel tanks and rear underrun protection <sup>(1)</sup> *	70/221/EEC ECE 34, 58	Fuel tank must be so as to be corrosion resistance and satisfy the leakage. the vent must be designed in such a way as to prevent any fire risks.	*	*	*	*	*	*	*	*	*	*	*
29	Protective steering <sup>(1)*</sup>	74/297/EEC ECE 12	The behaviour of the steering mechanism with regard to the protection of the driver in a frontal collision.	*			*							











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48	Couplings	94/20/EEC ECE 55	Mechanical coupling devices between motor vehicles and trailers are all parts and devices on the frames, load-bearing parts of the body work and chassis.				*	*	*	*	*	*	*
49	Tachograph	85/3821/EEC	Recording equipment i n Road Transport		*	*	*	*	*	*	*	*	*
50	Bus emergency exits and window retention and release	FMVSS 217	Requirements for the retention of windows other than windshields in buses and establishes operating forces, opening dimensions making in bus emergency exits.		*	*							
51	Towing hooks	77/389/EEC	Each special towing- device fitted to the vehicle must be able to withstand a tractive and compressive static force of at least half the authorized total weight of the vehicle, only without the towed load to which it is fitted.	*	*	*	*	*	*				
52	Devices to prevent the unauthorized use (anti theft and Immobilizers	74/61/EEC	A system designed to prevent unauthorized normal activation of the engine or other source of main engine power of the vehicle in combination with at least one system which: locks the steering, locks the transmission or lock the gearshift control, active and deactivate the device to prevent unauthorized use which shall include the use of the key. rotating the steering shaft relative to the device to prevent unauthorized use torque applied to the steering control, immobilizes, alarm systems.	*			*						