

Parts, Components-Standards To Be Followed By Manufacturers

UNION OF INDIA

India

Parts, Components-Standards To Be Followed By Manufacturers

Rule

PARTS-COMPONENTS-STANDARDS-TO-BE-FOLLOWED-BY-MANUFACTURERS, 1997

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1.

In exercise of the powers conferred by sub-section (3) of section 109 and clause (k) of sub-section (1) of section 110 of the Motor Vehicles Act, 1988 (59 of 1988) read with sub-rule (1) of rule 124 of the Central Motor Vehicles Rules, 1989 and in supersession of the notifications of the Government of India in the erstwhile Ministry of Surface Transport (Transport Wing), numbers S.O. 873(E), dated 15th December, 1997, as amended or modified by Notification numbers S.O. 1228(E), dated 18th December, 2001, S.O. 1184(E), dated 7th November, 2002 and S.O. 1306(E), dated 11th December, 2002, the Central Government hereby makes the following specifying the standards to be used by every manufacturer in the manufacture of a motor vehicle including construction equipment vehicle in relation to their parts, components and assemblies as given in the Table below.

2. Save as otherwise provided in this notification, it shall come into force from the date of its publication in the Official Gazette.

TABLE

Sl.No	Parts/Components/Assemblies	Standards	Date of Commencement/Validity
(1)	(2)	(3)	(4)
[*1. [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).]	[Automobile lamps used in motor vehicles including construction equipment vehicles for the following applications: [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).] (i) [Head Lights Main and Dip [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).] (ii)[Parking Light [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).] (iii)[Direction Indicator Lamp [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).] (iv) [Tail Lamp [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).] (v)[Reversing Lamp [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).] (vi) [Stop Lamp [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).] (vii)[Rear Registration Mark Illuminating Lamp [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).] (viii)[Top Light] [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).]	[AIS-034/2004 [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).]	[1st April, 2005 (For 2 and 3 wheelers) [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).]1st October, 2005 (For 4 wheelers)]
2.	Hydraulic Brake Hose wherever used in motor vehicles	IS:7090:1995 as amended from time to time	Date of publication of this notification
3.	Hydraulic Brake Fluid wherever used in the motor vehicle	IS: 8654 : 1986 as amended from time to time	Date of publication of this notification
4.	'T'signs, wherever used on Trailers		

		IS: 9942 : 1981 as amended from time to time	Date of publication of this notification
5.	The steering impact requirement	IS: 11939: 1996 For the vehicles specified therein, as amended from time to time	Date of publication of this notification
6.	Side door impact for all passenger cars	IS: 12009 : 1995 as amended from time to time	Date of publication of this notification
7. [		[IS 12056 : 1987 as	
[Substituted by S.O. 1431(E), dated 20.8.2007.]	(a) [Non-plastic fuel tanks of motor vehicles having more than three-wheels: [Substituted by S.O. 1431(E), dated 20.8.2007.]	amended from time to time [Substituted by S.O. 1431(E), dated 20.8.2007.]	[Date of publication of this notification [Substituted by S.O. 1431(E), dated 20.8.2007.]
	(b) [Plastic fuel tanks of motor vehicles having more than three-wheels [Substituted by S.O. 1431(E), dated 20.8.2007.]	[IS-15547-2005 [Substituted by S.O. 1431(E), dated 20.8.2007.]	[Ist April, 2008] [Substituted by S.O. 1431(E), dated 20.8.2007.]
8.	Wheel rims fitted in all motor vehicles	IS 9438: 1980 as amended from time to timeOr IS : 9436 : 1980 as amended from time to time	Date of publication of this notification
9.	Control Cables fitted on motor cycles of engine capacity less than 50 cc	Clause 4 of IS 10791 : 1983 as amended from time to time	Date of publication of this notification
10.	Pneumatic couplings used for connection of brake system between the towing vehicle and the trailer, wherever used	IS: 10792 : 1984 as amended from time to time	Date of publication of this notification
11.	The external projection on all motor vehicles other than three-wheelers of engine capacity less than 500 cc and motor cycles	IS 13942 : 1994 as amended from time to time	Date of publication of this notification
12.	The retention and release of the windows fitted on buses	IS 13944 : 1994 as amended from time to time	Date of publication of this notification

13.	Wheel guards (mud-guards) used on passenger cars	IS: 13944 : 1994 as amended from time to time	Date of publication of this notification
14.	Wheel nuts, wheel disc and hub caps of passenger cars, light and heavy commercial vehicles	IS 13941 : 1994 as amended from time to time	Date of publication of this notification
15.	The accelerator control system fitted on all motor vehicles other than three-wheelers of engine capacity less than 500 cc motor cycles and tractors	IS: 14283: 1995 as amended from time to time	Date of publication of this notification
16.	The door locks and the door retention components fitted on cars and light passenger and commercial vehicles	IS: 14225 : 1995 as amended from time to time	Date of publication of this notification
17.	The hood latch system fitted on passenger cars and commercial vehicles	IS 14226: 1995 as amended from time to time	Date of publication of this notification
18.	Tell-Tale symbols and controls on two-wheelers and three-wheelers vehicles	IS : 14413 : 1996 as amended from time to time	Date of publication of this notification
19.	Tell-Tale Symbols and control on motor vehicles other than 3 wheeled vehicles with handle bar, 2 wheeled vehicles and tractors	Safety Standard No. 12.1	Date of publication of this notification
[20 [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).]	[Installation requirement for lighting and [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).]	[AIS-008/2001 [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).]	[13thDecember, 2004 [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).]
	transport vehicles having more than three wheels, and their trailers and semitrailers, subject to the following:		
	(i)[Installation requirement for vertical orientation of dipped beam headlamp; [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).]	[Clause 6.2.6.1 of AIS-008/2001 [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).]	[1stOctober, 2005 [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).]
	(ii)[Performance requirement of the lighting, light signalling and	[Safety Standard No.15.1	[13thDecember, 2004 and valid up to 30thSeptember,

	direction indicator systems; [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).]	[Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).] [AIS-012/2004 [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).]	2005 [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).] [1stOctober, 2005 [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).]
	(iii)[Performance requirement of lighting, light signalling and direction indicator systems of construction equipment vehicles except the requirement of selfcancellation of turn signal indication. [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).] [Exception.-Compliance of Safety Standard No. 15.1 shall not be applicable to agricultural tractor and other special purpose motor vehicles.] [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).]	[Safety Standard No. 15.1 [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).]	[13thDecember, 2004 [Substituted by S.O. 451(E), dated 30.3.2005 (w.e.f. 30.3.2005).]
21.	Electromagnetic radiation from all motor vehicles	AIS-004/1999	Date of publication of this notification
22.	Towing devices used on motor vehicles, trailers and transport tractors from 2 tons to 35 tons gross mass	Safety Standard No. 33.1	Date of publication of this notification
23.	The gradeability of every motor vehicle	AIS-003/ 1999	Date of publication of this notification
24.	Installation requirements for lighting and light signalling devices for two and threewheelers, and their trailers and semi-trailers	AIS-009/2001	Date of publication of this notification
25.	(a) Fuel tank for two and three-wheelers except the requirement for permeability test for plastic fuel tank (b) Requirement for permeability	IS: 14681-1999 as amended from time to time IS: 14681 : 1999 as	Date of publication of this notification 1stApril, 2005

	test for plastic fuel tank for two and three-wheelers	amended from time to time	
	(a) The requirements for construction and functional safety of battery operated vehicles manufactured on and after 1st April, 2005, except for insulation resistance in terms of clause 3.2.3 of AIS-038/2003		1stApril, 2005
26.	(b) for insulation resistance	Clause 3.2.3. of AIS-038/2003	The date of commencement is to be notified
	The measurement of electrical energy consumption for battery operated vehicles manufactured on and after 1st April, 2005		
27.		AIS-039	1stApril, 2005
	The method of measuring range for battery operated vehicles manufactured on and after 1st April, 2005		
28.		AIS-040/2003	1stApril, 2005
	The measurement of net power and the maximum thirty minute power and speed for battery operated vehicles manufactured on and after 1st April, 2005		
29.		AIS-041/2003	1stApril, 2005
	The type approval of battery operated vehicles manufactured on and after 1st April, 2005 except for-		
30.		AIS-049/2003	1stApril, 2005
	(i)EMI test in the frequency range 9 kHz to 30 kHz, and	Clause 2 of Annexure D of AIS-049/2003	The date of commencement is to be notified
	(ii)Conducted emission for battery operated vehicle	Clause 3 of Annexure D of AIS-049/2003	The date of commencement is to be notified.
	Tests for fuel consumption for the vehicles manufactured on and after 1stApril, 2005,-		
31.	(a)Two and three-wheelers and four wheeled vehicles with gross vehicle Weight up to 3.5 tonnes, where the emission tests are conducted on chassis dynamometer;	Measurement on the basis of driving cycle used for emission testing as per the carbon balance	1stApril, 2005

		method alongwith emmission testing IS: 11921: 1993 as amended from time to time, at the constant	
	(b)Constant speed fuel consumption test for other four-wheeled vehicles	speeds: Light motor vehicles-50 km/h Medium and heavy motor vehicles 40 km/h and 60 km/h	1stApril, 2005
32.	The performance requirements for lighting and light signalling devices for twowheelers, three-wheelers and their trailers and semi-trailers manufactured on and after 1st April, 2005	AIS-010/2004	1stApril, 2005
33.	The spray suppression devices for automotive vehicles manufactured on and after 1st April, 2005	AIS-013/2004 for the vehicles specified therein	1stApril, 2005
34.	(a) The driver's field of vision of motor vehicles of M1 category manufactured on and after 1st April, 2007 except in case of model M1 category;	AIS-021/2004	1st April, 2007
	(b).In the case of new models of M1 category	AIS-021/2004	1st April, 2006
35.	(a) The survival space for the protection of occupants in a cab of a vehicle manufactured on and after 1st April, 2008	AIS-029/2004 for the vehicles specified therein	1st April, 2008
	(b).In the case of such cab supplied by the OE manufacturer	AIS-029/2004	1st April, 2007
36.	The strength of superstructure of passenger vehicles	AIS-031/2004 for the vehicles specified therein	1st April, 2007
37.	The flammability requirements for the automotive vehicles manufactured on and after 1st October, 2005	IS: 15061 : 2002 as amended from time to time	1st October, 2005
38.			1st April, 2006

	(a) The interior fittings on automotive vehicles of M1 category manufactured on and after 1st April, 2006	IS: 15223: 2002 as amended from time to time	
	(b).In the case of new models of M1 category	IS: 15223: 2002 as amended from time to time	1st April, 2005
39.	The requirements for the windscreen wiping system for three-wheelers manufactured on and after 1st April, 2005	AIS-045:2004	1st April, 2005
40.	The interior noise level requirements for the vehicles for transport vehicles of M2, M3, N2 and N3 category manufactured on and after 1st April, 2005	AIS-020/2004	1st April, 2005
41. [	[Requirements for bumpers fitted on M1 category of vehicles [Inserted by S.O. 1431(E), dated 20.8.2007.]	[AIS: 006-2005, as amended from time to time [Inserted by S.O. 1431(E), dated 20.8.2007.]	[1st April, 2008 [Inserted by S.O. 1431(E), dated 20.8.2007.]
42. [	[Requirements for handholds fitted on L5, M and N categories of vehicles specified in the standard [Inserted by S.O. 1431(E), dated 20.8.2007.]	[AIS: 046-2005, as amended from time to time [Inserted by S.O. 1431(E), dated 20.8.2007.]	[1st April, 2008 [Inserted by S.O. 1431(E), dated 20.8.2007.]
43. [	[Requirements for light alloy wheel rims, sheet metal wheel rims and spoke wheel rims, fitted on L category vehicles [Inserted by S.O. 1431(E), dated 20.8.2007.]	[AIS: 073-2005, (Part 1 to Part 3) as amended from time to time [Inserted by S.O. 1431(E), dated 20.8.2007.]	[1st April, 2008 [Inserted by S.O. 1431(E), dated 20.8.2007.]
44. [	[Protective devices against unauthorised use [Inserted by S.O. 1431(E), dated 20.8.2007.] [for L category vehicles	[AIS: 074-2005, as amended from time to time [Inserted by S.O. 1431(E), dated 20.8.2007.]	[1st April, 2008 [Inserted by S.O. 1431(E), dated 20.8.2007.]
45. [	[The arrangement and mode of operation of foot controls on M1	[AIS: 035-2006, as amended from	[1st April, 2008] [Inserted by S.O. 1431(E), dated

S.O. 1431(E), category of vehicles [Inserted by time to time 20.8.2007.]
dated S.O. 1431(E), dated 20.8.2007.] [Inserted by S.O.
20.8.2007.] 1431(E), dated
20.8.2007.]

*Fresh Type Approval/revalidation of existing Type Approval would be required for new items.