

SPECIFICATION OF PARTS, COMPONENTS OR
ASSEMBLIES AND RELEVANT STANDARDS
FOR MANUFACTURE OF VEHICLES¹

TABLE

Sl. No.	Parts/Components/Assemblies	Standards	Date of Commencement/ validity
(1)	(2)	(3)	(4)
² 1.	Automobile lamps used in motor vehicles including construction equipment vehicles for the following applications:	AIS-034/2004	1st April, 2005 (For 2 and 3 wheelers) 1st October, 2005 (For 4 wheelers)]
	(i) Head Lights Main and Dip		
	(ii) Parking Light		
	(iii) Direction Indicator Lamp		
	(iv) Tail Lamp		
	(v) Reversing Lamp		
	(vi) Stop Lamp		
	(vii) Rear Registration Mark Illuminating Lamp		
	(viii) Top Light		
2.	Hydraulic Brake Hose wherever used in motor vehicles.	IS: 7079: 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.	(a) Non-plastic fuel tanks of motor vehicles having more than three wheels; (b) Plastic fuel tanks of motor vehicles having more than three wheels.	IS: 12056: 1987 as amended from time to time AIS-033/2001	Date of publication of this notification. Date of publication of this notification.

1. Vide S.O. 1365(E), dated 13th December, 2004.

2. Subs. by S.O. 451(E), dated 30th March, 2005.

(1)	(2)	(3)	(4)
8.	Wheel rims fitted on all motor vehicles.	IS: 9438: 1980 as amended from time to time or 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 coupling 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 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 systems and control on two-wheeler and three-wheeler 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.
¹ [20.	Installation requirement for lighting and light signalling devices for non-transport and transport vehicles having more than three wheels, and their trailers and semi-trailers, subject to the following;	AIS-008/2001	13th December, 2004.

1. Subs. by S.O. 451(E), dated 30th March, 2005.

(1)	(2)	(3)	(4)
	(i) Installation requirement for vertical orientation of dipped beam headlamp;	Clause 6.2.6.1 of AIS-008/2001	1st October, 2005.
	(ii) Performance requirement of the lighting, light signalling and direction indicator systems;	Safety Standard No. 15.1	13th December, 2004 and valid upto 30th September, 2005
		AIS-012/2004	1st October, 2005.
	(iii) Performance requirement of lighting, light signalling and direction indicator systems of construction equipment vehicles' except the requirement of self-cancellation of turn signal indication,	Safety Standard No. 15.1	13th December, 2004.
	Exception: Compliance of Safety Standard No. 15.1 shall not be applicable to agricultural tractor and other special purpose motor vehicles.		
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 three wheelers, 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.	IS: 14681: 1999 as amended from time to time	Date of publication of this notification.
	(b) Requirement for permeability test for plastic fuel tank for two and three-wheelers.	IS: 14681: 1999 as amended from time to time	1st April, 2005.
*26.	(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.	AIS-038/2003	1st April, 2005.
	(b) For insulation resistance.	Clause 3.2.3. of AIS-038/2003	The date of commencement is to be notified.

(1)	(2)	(3)	(4)
*27.	The measurement of electrical energy consumption for battery operated vehicles manufactured on and after 1st April, 2005.	AIS-039	1st April, 2005.
*28.	The method of measuring range for battery operated vehicles manufactured on and after 1st April, 2005.	AIS-040/2003	1st April, 2005.
*29.	The measurement of net power and the maximum thirty minute power and speed for battery operated vehicles manufactured on and after 1st April, 2005.	AIS-041/2003	1st April, 2005.
*30.	The type approval of battery operated vehicles manufactured on and after 1st April, 2005 except for	AIS-049/2003	1st April, 2005.
	(i) EMI test in the frequency range 9 kHz to 30 kHz, and	Clause 2 of Annex D of AIS-049/2003	The date of commencement is to be notified.
	(ii) Conducted emission for battery operated vehicle.	Clause 3 of Annex D of AIS-049/2003	The date of commencement is to be notified.
*31.	Tests for fuel consumption for the vehicles manufactured on and after 1st April, 2005,		
	(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 method alongwith emission testing.	1st April, 2005.
	(b) Constant speed fuel consumption test for other four-wheeled vehicles.	IS: 11921: 1993 as amended from time to time, at the constant speeds:	1st April, 2005.
		Light motor vehicles- 50 Km/h	
		Medium and Heavy motor Vehicles 40 km/h and 60 km/h.	

(1)	(2)	(3)	(4)
*32.	The performance requirements for lighting and light signalling devices for two-wheelers, three-wheelers and their trailers and semi-trailers manufactured on and after 1st April, 2005.	AIS-010/2004	1st April, 2005.
*33.	The spray suppression devices for automotive vehicles manufactured on and after 1st April, 2005.	AIS-013/2004 for the vehicles specified therein.	1st April, 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.	(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	1st April, 2006.
	(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.

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