

Vehicle Inspectors Bulletin No 03

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Transport Services Division

Issued by
Road Transport Compliance

For: ♦ Transport Inspectors ♦ NT Police
♦ Authorised Inspectors ♦ Outstations

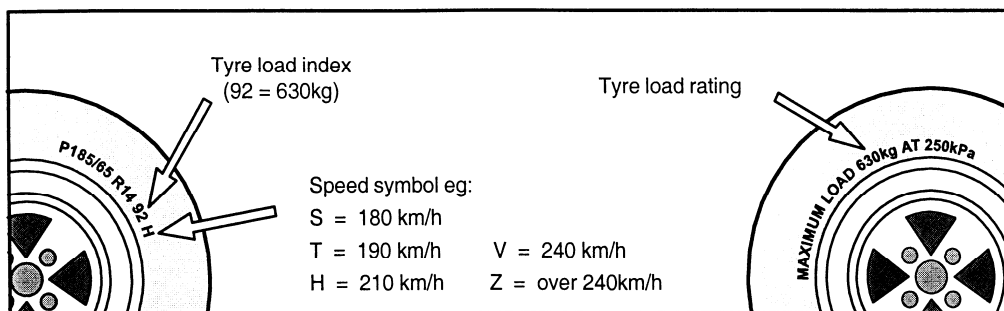
Inspection of Tyre Load and Speed Rating

Background

Road wheels and tyres are vital to a vehicles safety. Since 1971, Australian Design Rules (ADRs) have been progressively introduced to specify wheel and tyre strength, air pressures, speed and load ratings and allowable combinations of wheel rims and tyres.

Since 1973 ADRs required cars to be fitted with a tyre placard (located usually in the glove box or on the door-frame) which specifies the wheel and tyre combinations recommended by the vehicle manufacturer. This placard also specifies recommended air pressure, load capacity and speed rating of tyres.

Tyre load and speed rating are displayed on the tyre sidewall as shown below.



Darwin

Vehicle Standards Centre
Goyder Road, Parap
Phone: (08) 8999 3127
(08) 8999 3133
Fax: (08) 8999 3187

Katherine

Katherine Weigh Bridge
Stuart Highway
Phone: (08) 8973 8791
Fax: (08) 8973 8762

Alice Springs

Vehicle Standards Centre
North Stuart Highway
Phone: (08) 8951 5297
Fax: (08) 8951 5313

The tables below detail the load index and the speed symbol with their corresponding values for passenger type tyres, for any additional information contact the Vehicle Compliance Section at Motor Vehicle Registry.

Tyre Load Index									
Load Index		Load in kg per tyre							
62		265							
62	265	75	387	88	560	101	825	114	1180
63	272	76	400	89	580	102	850	115	1215
64	280	77	412	90	600	103	875	116	1250
65	290	78	425	91	615	104	900	117	1285
66	300	79	437	92	630	105	925	118	1320
67	307	80	450	93	650	106	950	119	1360
68	315	81	462	94	670	107	975	120	1400
69	325	82	475	95	690	108	1000	121	1450
70	335	83	487	96	710	109	1030	122	1500
71	345	84	500	97	730	110	1060	123	1550
72	355	85	515	98	750	111	1090	124	1600
73	365	86	530	99	775	112	1120	125	1650
74	375	87	545	100	800	113	1150	126	1700

Tyre Speed Rating									
Speed Symbol		Speed in km/h							
J		100							
J	100	K	110	L	120	M	130	N	140
P	150	Q	160	R	170	S	180	T	190
	H	210	V	240	W	270	Y	300	
		VR	>210	ZR	>240				

Inspection Procedures

All Inspectors are reminded of the requirement to check the speed and load rating of all tyres fitted to vehicles presented for roadworthy inspections.

Tyre ratings must comply with the lesser of:

- i. the ratings specified by the vehicle manufacturer, as displayed on the tyre placard; or
- ii. the ratings specified in the National Code of Practice for Light Vehicle Construction and Modification (Vehicle Standards Bulletin VSB 14) – Section LS (Part 4).

Any vehicle fitted with alternative rims and/or tyres to those originally supplied by the vehicle manufacturer as indicated on the tyre placard must comply with VSB 14 – Section LS (Part 4). This bulletin is available on the Department of Infrastructure, Transport, Regional Development and Local Government's Internet site, at <http://www.infrastructure.gov.au/roads/publications/index.aspx>

Any vehicle fitted with alternative rims and tyres which have been approved as a vehicle modification by the Technical Advisory Committee (TAC) must have the rims and tyres fitted as specified in the TAC certificate.

Action

Vehicles that are found to not meet the above requirements are not to be passed fit for registration.