

Brake Regulation Summary Table : M₁ VEHICLES.

PCGTR 2003/5

Country	Requirement
USA	Federal Regulation FMVSS 135
Canada	Transport Canada – CMVSS 135
Mexico	NOM-D-148-1979 ?
EC + Norway.	Directive 71/320/EEC (98/12) or ECE R.13 or ECE R13-H
Algeria	Specific National regulation (similar requirement to Reg 13-H Slightly higher at test but lower in service)
Ivory Coast	Comply with ECE R13 (as the latest revised regulation), otherwise respect the Specific National requirement .
South Africa	Comply with either 71/320/EEC in the latest revised regulation 98/12 or ECE R13 as the latest revised regulation. Otherwise shall respect the Specific National requirement
Israel	Comply with 71/320/EEC (in the latest revision 98/12) . Comply with FMVSS135 from September of 2001 – for NAFTA production vehicles as an alternative.
Iran	EU 71/320 or ECE R13
Qatar	Specific National regulation Individual circuit should be formed. Secondary brake should be independent.
GCC	Comply with one of the following and GS48 ECE R13 as the latest revised regulation, 71/320/EEC as the latest revised regulation, FMVSS135 or Japan Safety Standard 12 .
Saudi Arabia	Imported vehicles: Must show the same level of performance as required in the country of manufacture and also comply with the National specific requirement . - SSA1438 (main difference - protection of brake lines)
Turkey	Comply with ECE R13 as the latest revised regulation or 71/320/EEC in the latest revision 98/12 .
Bulgaria	Comply with ECE R13 as the latest revised regulation or 71/320/EEC to the latest revision 98/12 .
Macedonia	Comply with ECE R13 as the latest revised regulation or 71/320/EEC to the latest revision 98/12
Yugoslavia	Comply with ECE R13 as the latest revised regulation or 71/320/EEC to the latest revision 98/12
Rumania	Comply with ECE R13 as the latest revised regulation or 71/320/EEC to the latest revision 98/12
Russia	Comply with ECE R13 as the latest revised regulation
Ukraine	Comply with ECE R13 as the latest revised regulation and 71/320/EEC as the latest revised regulation. <u>Additionally</u> must comply with the Specific national requirement PKB performance: to Hold on 25% slope.
Slovenia	Comply with ECE R13 as the latest revised regulation or 71/320/EEC in the latest revision 98/12
Croatia	Comply with ECE R13 as the latest revised regulation or 71/320/EEC in the latest revision 98/12 .

Argentina	Comply with ECE13-05 .
Brazil	Comply with ECE R13-05 .
Chile	Comply with FMVSS or ECE or Japan Safety Standard or KMVSS or MERCOSUR if ABS is fitted.
Australia	Australian Design Rules (similar to FMVSS 105) or ECE Reg.13-H .
New Zealand	Comply with one of the followings. ECE R13 as the latest revised regulation, 71/320/EEC to the latest revision 98/12 , FMVSS105 , ADR31 or Japan Safety Standard 12 .
New Caledonia	Comply with ECE R13 as the latest revised regulation.
India	Comply with ECE R13/06
Japan	ECE R.13-H .
Korea	Vehicle models with U.S. spec. must comply with U.S. FMVSS105 or 135 . Models with European spec. must comply with ECE R13-H .
China Vehicles made in China	Comply with ECE R13/06 revised regulation and additionally the Specific National regulation .
China: Imported vehicles	Comply with either ECE R13/06 or 09 , for brake performance otherwise respect the Specific National requirement .
Philippine	Republic Act 4136.20.6 /Philippine Legislature Act No.2159 ?
Malaysia	Article 19-23, 64 or ECE R13 or Japan Safety Standard trial
Indonesia	Specific National regulation requirement. Service brake 60% at GVW, Pedal effort 50kg max. Parking brake 16% at GVW, Hand effort 40kg , Foot effort 60kg max.
Hong Kong	Comply with ECE R13H or R13 or: Specific National regulation : Service brake efficiency: min.50%, Pedal effort max.154 lbs Secondary brake efficiency: min.25%, Pedal effort max.154 lbs(foot) , max 132 lbs(hand) Parking brake: must hold the vehicle stationary on a 16% up or down-gradient.
Taiwan	Specific National regulation . Brake efficiency & Balance standards Service brake efficiency 60% min. at curb weight Balance: 20% max. Parking brake efficiency 20% min. at curb weight
Singapore	Comply with one of the following, or otherwise respect the National specific regulation . ECE13-H as the latest revised regulation or ECE R13 as the latest revised regulation. National Specific regulation : Service brake 50% , PKB 20%