

SUMMARY OF EMISSION REQUIREMENTS FOR NEW PETROL PASSENGER CARS IN AUSTRALIA

1972 – 2018

<i>Standard</i>	<i>Date Introduced #</i>	<i>Exhaust Emission Limits (petrol vehicles)</i>				<i>Source Standard / Test Method</i>
		<i>HC</i>	<i>CO</i>	<i>NOx</i>	<i>PM</i>	
ADR26	1/1/72	NA	4.5% by vol	NA	NA	Idle CO test
ADR27	1/1/74	8.0 – 12.8 g/test	100 – 220 g/test & 4.5% by vol	NA	NA	ECE 'Big Bag'
ADR27A	1/7/76	2.1 g/km	24.2 g/km	1.9 g/km	NA	US '72 FTP
ADR27B	1/1/82	2.1 g/km	24.2 g/km	1.9 g/km	NA	US '72 FTP
ADR27C +	1/1/83	2.1 g/km	24.2 g/km	1.9 g/km	NA	US '72 FTP
ADR37/00	1/2/86	0.93 g/km	9.3 g/km	1.93 g/km	NA	US '75 FTP
ADR37/01	1/1/97 – 1/1/99	0.26 g/km	2.1 g/km	0.63 g/km	NA	US '75 FTP
ADR79/00	1/1/03 – 1/1/04	0.25*g/km	2.2 g/km	0.25* g/km	NA	UN R83/04 (Euro 2)
ADR79/01	1/1/05 – 1/1/06	0.2 g/km	2.3 g/km	0.15 g/km	NA	UN R83/05 (Euro 3)
ADR79/02	1/7/08 – 1/7/10	0.1 g/km	1.0 g/km	0.08 g/km	NA	UN R83/05 (Euro 4)
ADR79/03*2	1/11/13 (new models only)	0.1 g/km 0.068 g/km (NMHC)*3	1.0g/km	0.06 g/km	0.0045g/km*4	UN R83/06 (Euro 5)
ADR79/04	1/11/16	0.1 g/km 0.068 g/km (NMHC)*3	1.0g/km	0.06 g/km	0.0045g/km*4	UN R83/06 (Euro 5)
ADR79/05	1/7/17 – 1/7/18	0.1 g/km 0.068 g/km (NMHC)*3	1.0g/km	0.06 g/km	0.0045g/km*4	UN R83/TBA (Euro 6)

- # where 2 dates specified, first date applies to vehicle models first produced on or after that date, with all new vehicles required to comply by the second date.
- + ADR27C introduced a number of administrative changes, based on procedures of ADR37/00.
- * ADR 79/00 has a combined HC+NOx limit of 0.5, so the HC:NOx split is indicative only.
- *2 The "core" Euro 5 requirements which apply in ADR79/03 require compliance with all the technical requirements of UN Regulation 83/06 except that ADR79/03:
- allows the provision of PM mass emissions data based on the previous UN R83/05 (Annex 4) Type I test procedure (with a PM mass emissions limit of 0.005g/km) in lieu of data collected under the revised test procedure (Annex 4a of UN R83/06) which specifies a limit of 0.0045g/km);
 - accepts a relaxed OBD threshold limit (80mg/km) for PM mass for M and N category vehicles of reference mass >1760kg;
 - does not require compliance with the PM number limit specified for diesel vehicles in UN R83/06;
 - does not require compliance with the In Use Performance Ratio for OBD systems in UN R83/06;
 - does not require the NOx monitoring for petrol vehicles specified in UN R83/06; and
 - only requires flex fuel vehicles to meet the Type VI test when tested on petrol (details of requirements for flex fuel vehicles to meet the Type VI test under ADR 79/04 and ADR 79/05 at low temperature to be determined by 31 December 2011.)
- *3 Separate Non Methane Hydrocarbon (NMHC) limits only apply from Euro 5 onwards.
- *4 PM mass limits apply from Euro 5 onwards to petrol vehicles with direct injection engines.

"NA" means no limit applies.

To find the ADRs (except those prior to ADR79/00 which are now obsolete) on the Federal Register of Legislative Instruments (FRLI) follow these steps:

1. Go to www.frli.gov.au
2. In the "Browse for" list, choose "Legislative Instruments – As made – by title".
3. Wait for the alphabetical list to come up, scroll down to "V" and then click on "Ve" (for Vehicle).

The ADRs will be listed on the screen and you can open each of them individually to get the details.

ADR 79/05 will be formally determined by the Minister when UN Regulation 83 has been amended to incorporate the Euro 6 standards.