

HEAVY VEHICLE MODIFICATIONS

Checklist G4.a

BRAKE SYSTEM CERTIFICATION

Note: This checklist must be completed in conjunction with any other applicable checklists in this Section (G2—G8).

(Y=Yes, N=No or N/A= Not Applicable)

1.0 General

- 1.1 Do the original equipment failure warning systems and secondary braking systems function correctly?
- 1.2 Does the service and parking brake performance of the modified vehicle meet the applicable ADR requirements?
- 1.3 Are all non standard air or hydraulic lines of appropriate sizing and material?
- 1.4 Do all components and devices in the brake system meet or exceed at least one appropriate and recognised international, national or association standard (or the relevant parts thereof), where such standards exist?
- 1.5 Are the manufacturer’s allowances concerning wheel arch clearances and body work in the region of the wheels observed?
- 1.6 Are all compressed air reservoirs provided with a means to permit the removal of water and other foreign matter?
- 1.7 Are all fittings of the correct type, size and compatible thread form?
- 1.8 Are all air and hydraulic lines installed in a manner such that they are protected from exposure to excessive heat, abrasion, movement, stress or impact?
- 1.9 Is all brake system equipment either near new or fully reconditioned?
- 1.10 Are all brake components securely mounted / fastened to the vehicle?
- 1.11 In the case of an air brake system, is the combined volume of all service brake supply reservoirs adequate? The ratio of the reservoir volume to the volume of the service brake chambers at maximum travel of pistons or diaphragms must be no less than the specified value. Specified Value: 12 times for powered vehicles, and 8 times for drawn vehicles
- 1.12 In the case of an air brake system, is the time taken for the compressor to recharge the service brake system in accordance with the section relating to “**Special Provisions for Systems using ‘Stored Energy’ (except ‘Spring Brake Systems’)**” of ADR 35/...

For a vehicle manufactured prior to ADR 35A/ADR 38 and modified prior to 1st January 1993, go to Question 1.13.

HEAVY VEHICLE MODIFICATIONS

For a vehicle manufactured prior to ADR 35A/ADR 38 and modified on or after 1st January 1993, go to Question 1.14.

For a vehicle manufactured after the introduction of ADR 35A/ADR 38, go to Question 1.15.

1.13 Does the vehicle comply with the relevant sections of the State or Territory regulations? Go to Question 1.16.

1.14 If an increase in GVM is proposed, has the vehicle been shown to comply with the requirements of the current relevant ADR, or, if no increase in GVM is proposed, does the vehicle at least meet the requirements of Chapter 10 - Upgrading a Pre-ADR Vehicle? Go to Question 1.16.

1.15 Has the modified vehicle been shown to comply with the requirements of the relevant ADR at the proposed GVM?

1.16 Is the quality of workmanship to a satisfactory standard?

All other applicable checklists in this section must be completed before completing this form.

**NOTE: If the answer to any relevant question is "NO", the modification is not acceptable.**

Vehicle Chassis No/VIN <sup>1</sup>:

Vehicle Modifier <sup>1</sup>:

Examined by <sup>1</sup>:

Company <sup>1</sup>:

Certifying Officer No:  Modification Cert No:

Modification Plate No <sup>1</sup>:

Signed when printed:  Date:

<sup>1</sup> if applicable