



CIRCULAR 35/05–1–1

OPERATION OF THE PARKING BRAKING SYSTEM

The purpose of this Circular is to remind Identification Plate Approval (IPA) holders of the parking braking requirements of Australian Design Rules (ADRs) 35/04 and 35/05 clause 8.1.1¹. Compliance to this clause is required where certification is granted based on evidence that the vehicle meets the technical requirements of the alternative standard United Nations (UN) R13 (ADR 35/04 and 35/05 clause 8.1).

Where UN R13 is used to demonstrate compliance, clause 8.1.1 requires that a vehicle equipped to tow a trailer which uses air at positive pressure must have a '*Parking Brake System 35/..*' that when applied either:

1. is capable of holding the entire combination of the towing vehicle and trailers, on a 12 percent up or down gradient at its rated '*Gross Combination Mass*' (*UN R13 Annex 4 paragraph 2.3.2*); or
2. causes the trailer '*Supply Line 35/...*' pressure to drop below 35 kPa (ADR 35/04 and 35/05 clause 4.3.5).

It is important to note that UN R13 does not have an equivalent to Option 2 above.

IPA holders demonstrating compliance to Option 1 must ensure that this is the case for the '*Gross Combination Mass*' of the vehicle supplied under the IPA.

¹ As of December 2015 the requirements of this clause are under review in line with Phase II of the National Heavy Vehicle Braking Strategy.