

# CIRCULAR 17/00 - 2 - 1

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## TEST COMPONENT SELECTION FOR DEMONSTRATION OF COMPLIANCE WITH ADR 17/00

### INTRODUCTION

1. This Circular should be read in conjunction with the General Circular 0-2-11 'Selection of Vehicles and Components for ADR Compliance Testing' containing requirements applicable to all ADRs.
2. The intention of the criteria in this Circular is to select for testing the fuel tank which is likely to produce the worst results when tested to the requirements of the impact tests of ADR 17/00 Clause 17.6 for side mounted tanks.

### SELECTION REQUIREMENTS - CORNER TEST

3. The Administrator will accept impact tests on one tank as representative of others for the purposes of demonstrating compliance with the corner test requirements of Clause 17.6.2 provided that the following criteria are met.

When compared with the untested tanks, the tested tank shall:

- a) be the longest tank;
- b) have the same fuel filler pipe location;

Note: Tanks with filler pipes located in the middle third of their lengths are considered to meet this criterion

- c) have a baffle (if any) the same distance from the corner to be tested;

Note: There are conflicting considerations on the effect of baffle location. Where the baffle location differs between tested and untested tanks, evidence must be available to show that the tested tank is the worst case;

- d) have the fuel filler pipe configuration;

i.e. identical with respect to:

- (i) material;
- (ii) attachment to the fuel tank have the cross sectional shape and area;

- e) have the same material of construction and method of manufacture;

- f) be used for fuel having the highest density.

Issued by the  
Administrator of Vehicle Standards  
in consultation with the  
Australian Motor Vehicle Certification Board  
comprising Commonwealth, State and Territory representatives



#### **SELECTION REQUIREMENTS - FILLER PIPE TEST**

4. For the purposes of demonstrating compliance with the impact test of Clause 17.6.3, the Administrator will accept testing of a tank as representative of others provided it meets the criteria of para 3(c) to 3(g) and the following additional criteria when compared with the untested tanks:
  - a) have a filler neck of the same or equal length and same or smaller diameter;
  - b) the greatest bending moment at the base of the filler pipe when subjected to the filler pipe test, and;
  - c) the greatest compressive force applied in the direction normal to the surface of the tank.