

Australian/New Zealand Standard™

**Vehicle jacks**

### **AS/NZS 2693:2003**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CS-055, Car Jacks and Trolley Jacks. It was approved on behalf of the Council of Standards Australia on 28 February 2003 and on behalf of the Council of Standards New Zealand on 20 February 2003. It was published on 20 March 2003.

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The following are represented on Committee CS-055:

Australian Automobile Association  
Australian Automotive Aftermarket Association  
Australian Competition and Consumer Commission  
Australian Industry Group  
Australian Retailers Association  
Consumer and Business Affairs Victoria  
Consumer Affairs Division, Department of Treasury  
Consumers' Federation of Australia  
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## Vehicle jacks

Originated as AS 2693—1987.  
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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CS-055, Car Jacks and Trolley Jacks to supersede AS/NZS 2693:1993.

*This Standard incorporates Amendment No. 1 (April 2004). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.*

The objective of this Standard is to provide manufacturers, importers, consumers, retailers and testing bodies with a set of performance requirements which include technical specifications and test methods for various types of jacks intended for raising passenger vehicles.

This edition of the Standard includes more substantial requirements for caravan/trailer jacks and now includes requirements for high lift jacks. The Committee is concerned that at the time of publication, available designs of high lift jacks release their load when a certain minimum load is reached during the lowering process. A warning has therefore been included to be marked on the jacks that this will occur. The Committee encourages high lift jack designs that do not have this unsafe feature.

Suppliers of vehicle jacks should take cognizance of the regulations under the Trade Practices Act relating to the supply of these products.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

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**1 SCOPE**

This Standard specifies requirements for the design, construction, performance and labelling of jacks designed to raise vehicles. It does not include devices that raise an entire vehicle. The performance requirements include those relating to ease of use.

NOTE: A summary of requirements according to vehicle jack type is given in Appendix A.

**2 APPLICATION**

This Standard is applicable to screw jacks, hydraulic jacks, lever jacks, high lift jacks and pantograph jacks. It is not applicable to trolley jacks, which are specified in AS/NZS 2615, or to air bag jacks.

**3 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

## AS

1192	Electroplated coatings—Nickel and chromium
1789	Electroplated coatings—Zinc on iron or steel
1830	Grey cast iron
1831	Ductile cast iron
1832	Malleable cast iron
2581	Pressure-sensitive adhesive labels for general purpose use

## AS/NZS

2615	Hydraulic trolley jacks
3750	Paints for steel structures
3750.15	Part 15: Inorganic zinc silicate paint

**4 DEFINITIONS**

For the purpose of this Standard, the definitions below apply.

**4.1 Aggregate trailer mass**

The total mass of the laden trailer when carrying the maximum load recommended by the manufacturer. This includes any mass imposed on the towing vehicle when the combination vehicle is resting on a horizontal supporting plane.

**4.2 Bearing surface**

The area contained within the periphery of the base of a vehicle jack.

## NOTES:

- 1 The bearing surface area of the base should be measured when the head cap is fully raised.
- 2 When determining the periphery of the base of the jack, any protrusions from or embossment on the bearing surface of the base which are less than 5 mm in height should be ignored.