

Australian/New Zealand Standard™

Vehicle jacks



AS/NZS 2693:2007

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 15 November 2006 and on behalf of the Council of Standards New Zealand on 19 December 2006. This Standard was published on 1 February 2007.

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Australian Automobile Association
Australian Automotive Aftermarket Association
Australian Competition and Consumer Commission
Australian Industry Group
Australian Retailers Association
Consumer Affairs Victoria
Consumer Affairs Division, Department of Treasury
Consumers' Federation of Australia
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OF
AS/NZS 2693:2007
Vehicle jacks

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NOTES

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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 2693:2003, *Vehicle jacks*.

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

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

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

CONTENTS

	<i>Page</i>
1 SCOPE.....	4
2 APPLICATION	4
3 REFERENCED DOCUMENTS.....	4
4 DEFINITIONS.....	4
5 DESIGN AND CONSTRUCTION	6
6 PERFORMANCE	7
7 MARKING	9
8 INSTRUCTIONS.....	12
 APPENDICES	
A SUMMARY OF REQUIREMENTS FOR VEHICLE JACKS.....	14
B HEAD CAP ENGAGEMENT AND STABILITY TESTS.....	15
C DURABILITY, OPERATING FORCE AND OVERTRAVEL TESTS.....	17
D STOP TEST DURING THE LOWERING OF THE JACK	21
E LOSS OF HEIGHT TEST	22
F OVERLOAD TEST	23

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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.

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 zinc (electrogalvanizing) coatings on ferrous articles (batch process)
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 protrusion from or embossment on the bearing surface of the base which is less than 5 mm in height should be ignored.