SUPERSEDED BY AS 2538-1985 Amendment 1 - June 1983

2538

AS 2538—1982
UDC 621.866

also use UDC
: 629.11.012.73

Australian Standard 2538—1982

VEHICLE SUPPORT STANDS

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THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL ORGANIZATIONS and departments were officially represented on the committee entrusted with the preparation of this standard:

Australian Automobile Association

Australian Automobile Chamber of Commerce

Australian Federation of Consumer Organizations Inc.

Confederation of Australian Industry

Department of Business and Consumer Affairs

Department of Consumer Affairs, N.S.W.

Department of Defence

Department of Transport

Federation of Automotive Products Manufacturers

Metal Trades Industry Association

Ministry of Consumer Affairs, Victoria

Society of Automotive Engineers, Australasia

This standard, prepared by Committee CS/43, Vehicle Stands and Vehicle Ramps, was approved on behalf of the Council of the Standards Association of Australia on 23 February 1982, and was published on 19 April 1982.

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This standard was issued in draft form for comment as DR 79084.

AS 2538/AMDT 1/1983-06-06

STANDARDS ASSOCIATION OF AUSTRALIA
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AMENDMENT No 1
to
AS 2538—1982
VEHICLE SUPPORT STANDARDS

REVISED TEXT

SUMMARY: This amendment applies to Clause 3.6.1 and Appendix C.

Published on 6 June 1983.

AUSTRALIAN STANDARD

VEHICLE SUPPORT STANDS

AS 2538—1982

First published 1982

PUBLISHED BY THE STANDARDS ASSOCIATION OF AUSTRALIA
STANDARDS HOUSE, 80 ARTHUR ST, NORTH SYDNEY, N.S.W.

ISBN 0 7262 2521 5

8 APR 1982

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PREFACE

This standard was prepared by the Association's Committee on Vehicle Stands and Vehicle Ramps in response to a request by the Defence Standardization Committee which felt that its experience of unsatisfactory performance of vehicle support stands in the defence field would also be of concern to the general public which uses similar stands for domestic purposes.

The standard aims at ensuring, through minimum performance requirements, that vehicle support stands (also known as axle stands or jack stands) are sufficiently robust so that under normal conditions of use they will not fail.

Further, the standard aims at ensuring that axle stands are constructed and designed so that they will be stable and will not damage the vehicle when used in the correct manner. The committee is of the opinion that the standard will thus protect both the user and the vehicle from damage.

This standard requires reference to the following standards:

AS 1192	Electroplated Coatings of Nickel and Chromium
AS 1789	Electroplated Coatings of Zinc on Iron and Steel
AS 1790	Electroplated Coatings of Cadmium on Iron and Steel
AS 2105	Inorganic Zinc Silicate Paint
AS K108	Metal Priming Paint, Anti-corrosive

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard for VEHICLE SUPPORT STANDS

1 SCOPE. This standard specifies requirements for the design, construction, performance and labelling of vehicle support stands.

2 DEFINITIONS. For the purpose of this standard, the following definitions apply:

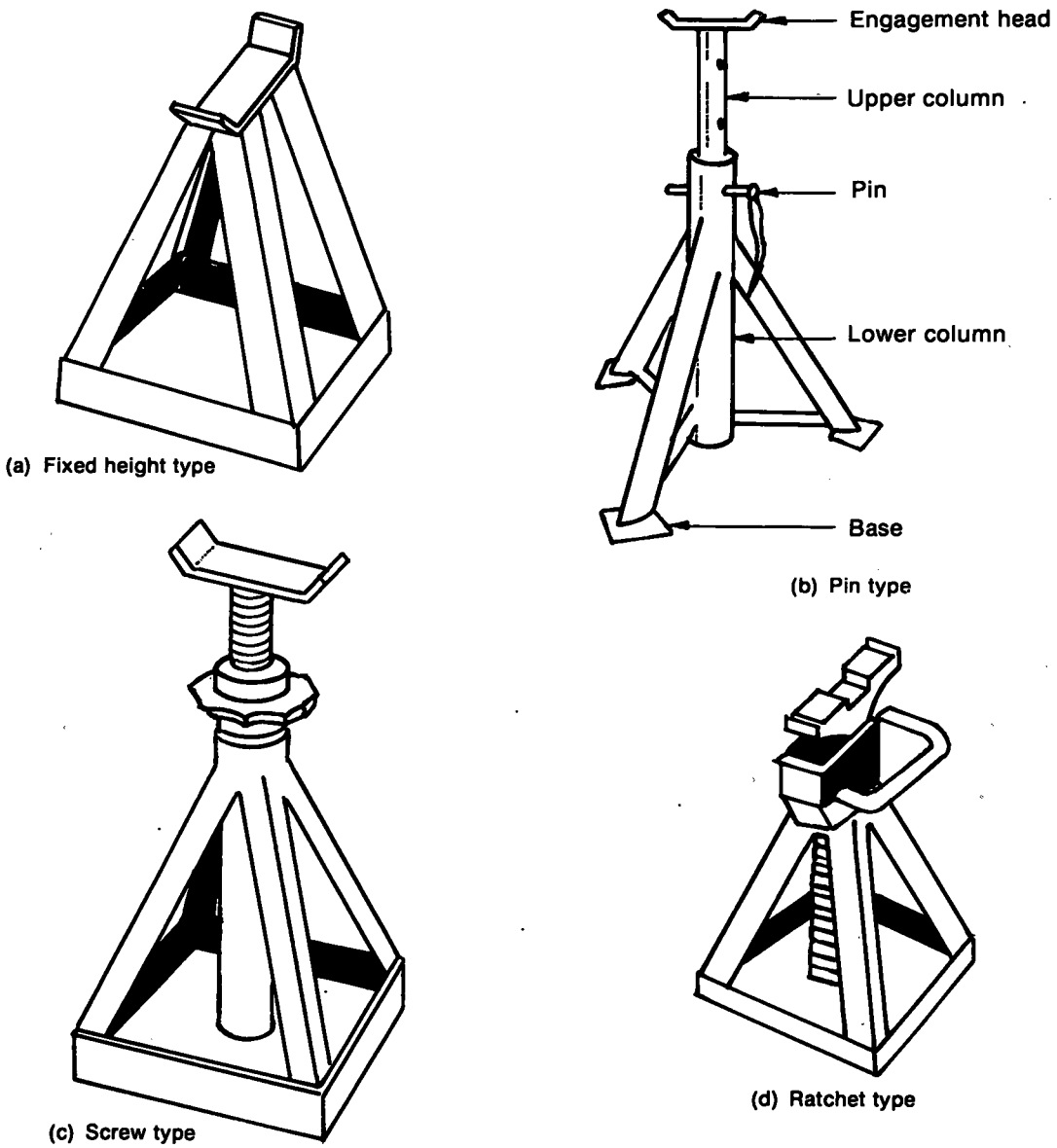
2.1 Vehicle support stand—a device of fixed or adjustable height onto which an appropriate part, e.g. axle, chassis, of a raised vehicle is lowered and supported for the purpose of maintenance or storage of the vehicle. Where the device has an adjustable height, the height is not intended to be varied when the device is loaded.

NOTE: Vehicle support stands may be of either fixed height or adjustable height. Some typical vehicle support stands are illustrated in Fig. 1.

2.2 Vehicle—a passenger car, passenger car derivative or multipurpose passenger car as defined by the Australian Design Rules, a goods carrying vehicle or a towed unit such as a caravan or a trailer.

2.3 Nominated capacity—the capacity nominated by the manufacturer as the maximum load that is to be supported by the vehicle support stand.

NOTE: The nominated capacity must be marked on the stand (see Clause 5(b)).



(a) Fixed height type

(b) Pin type

(c) Screw type

(d) Ratchet type

Fig. 1. TYPICAL VEHICLE SUPPORT STANDS

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