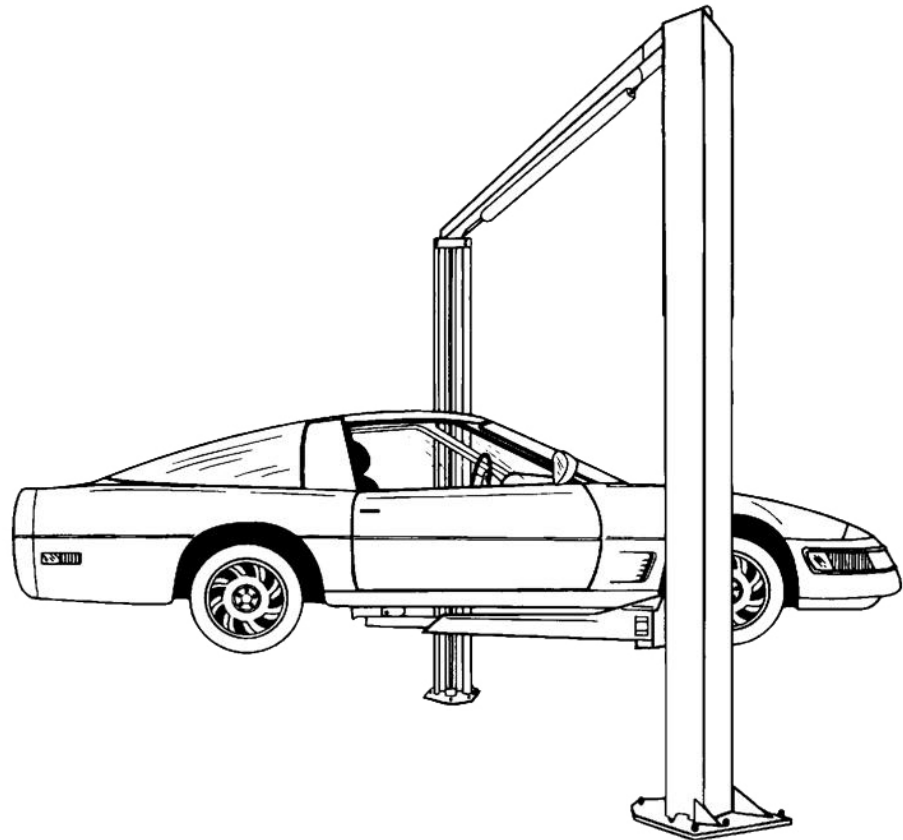




ANSI/ALI ALCTV:2011

STANDARD
for Automotive Lifts –

**SAFETY REQUIREMENTS FOR
CONSTRUCTION, TESTING,
AND VALIDATION**



American National Standard Institute
25 west 43rd Street, New York, NY 10036

ANSI/ALI ALCTV:2011
Approved: December 21, 2011

American National Standard

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ANSI/ALI ALCTV:2011

***AMERICAN NATIONAL STANDARD
for Automotive Lifts –
Safety Requirements for
Construction, Testing, and Validation***

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**Approved December 21, 2011 by:
*American National Standards Institute, Inc.***

American National Standard

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ALI ALCTV:2011

AUTOMOTIVE LIFTS – SAFETY REQUIREMENTS FOR CONSTRUCTION, TESTING, AND VALIDATION

FOREWORD (This foreword is not a part of American National Standard ALI ALCTV:2011.)

The Automotive Lift Institute (ALI) is a trade association comprised of US and Canadian manufacturers and certain North American distributors of automotive lifts.

ALI has a long history as a standards developer dating from the 1947 Commercial Standard covering Automotive Lifts published by the National Bureau of Standards. In 1974 the first edition of ANSI B153.1 (American National Standard for Automotive Lifts-Safety Requirements for the Construction, Care, and Use) replaced the commercial standard (CS142-65) and revisions were published in 1981 and again in 1990. It was determined by ALI that there was a need to refocus the requirements found in ANSI/ALI B153.1-1990 that pertain to the responsibilities of the lift manufacturer covering construction, testing, and validation of automotive lifts and, in order to fill this need, the first edition of this standard (ALI ALCTV-1998) was developed.

Note that there are now companion standards ANSI/ALI ALOIM (Safety Requirements for Operation, Inspection, and Maintenance of Automotive Lifts) that expands the requirements previously embraced by ANSI/ALI B153.1 pertaining to the responsibilities of the owners of automotive lifts and/or the employers of personnel who use automotive lifts; and ANSI/ALI ALIS (Safety Requirements for Installation and Service of Automotive Lifts) that expands the requirements previously embraced by ANSI/ALI B153.1 pertaining to the responsibilities of installation and service companies of automotive lifts.

Suggestions for improvement of this standard will be welcome. They should be sent to the Automotive Lift Institute, Inc., PO Box 85, Cortland, NY 13045.

Consensus for the adoption of this standard was achieved by use of the canvass process. One hundred three organizations, recognized as having an interest in the standardization of safety requirements for construction, testing, and validation of automotive lifts, were contacted prior to the canvass ballot on this standard. Thirty-six agreed to participate and consensus for submittal to ANSI was established. The inclusion of a name on this list does not necessarily imply that the canvasee concurred with the submittal of the proposed standard to ANSI for approval.

Airdraulics	Gray Manufacturing Co., Inc.	R.L. Bangle & Sons', Inc.
American Welding Society	Hergott Automotive Equip. Inc.	Red's Equipment Warehouse, Inc.
ASE	Intertek Testing Services	RT Douglas
Auto Prevention	KPA, LLC.	Snap-On Equipment
Automotive Maint. Repair Assn.	MAHA USA, LLC.	Southern Minn. Inspection Co LLC.
ARI-Hetra	Mechanics Union Local 701	Standard Tool & Equipment Co.
Automotive Service Assn.	MET Laboratories, Inc.	Steril-ALM
C.E.M.B.	Midas International	SVI International, Inc.
Challenger Lifts, Inc.	Mohawk Resources Ltd.	Three Rivers Fluid Power, Inc.
Danielson Tech Supply	National Fluid Power Assn.	Toronto District School Board
Doehrman Company, Inc.	NYSDOS Codes Division	Underwriters Laboratories Inc.
Equipment Distributors, Inc.	Petroleum Equipment Institute	Vehicle Service group

The Automotive Lift Institute (ALI) is the sponsor of this standard. The ALI Safety and Standards Technical Committee, that was responsible for developing this standard, had the following members:

J. Uhl, Chairman	J. Zuber	R. Veresko	W. Raffler
A. Pavlick	R. Dantas	B. Patton	W. Whitaker
S. Poweska	W. Nelgner	P. Suarez	S. McKee

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December 20, 2011

AUTOMOTIVE LIFTS - SAFETY REQUIREMENTS FOR CONSTRUCTION, TESTING, AND VALIDATION

1. SCOPE

This standard covers safety requirements for the design, construction, testing, and validation of automotive lifts of the following types: manually driven, power driven, stationary, and mobile. Lifts that are movable or are designed to tilt the superstructure, or are not "automotive vehicle service lifts" are outside the scope of this standard.

Exemplar automotive lifts intended to be covered by this standard are depicted in Appendix A.

2. PURPOSE

The purpose of this standard is to provide a basis for common understanding between manufacturers (sellers) and users (purchasers) of automotive lifts; and to provide a basis for evaluation of the products described in the scope.

3. APPLICATION

Automotive lifts shall not be labeled or otherwise described as conforming to this standard unless all applicable requirements are met.

4. EFFECTIVE DATE

The effective date for the application of this American National Standard is eighteen (18) months from the date of ANSI approval because this standard covers products that require independent third party testing and evaluation, and because there are many manufacturers and many products affected by this standard.

ANSI/ALI ALCTV-2006 continues as the governing American National Standard until the effective date of this standard.