

STANDARDS INFORMATION

ANSI/ALI ALIS-2001 Standard for Automotive Lifts Safety Requirements for Installation and Service

Scope and Application:

This standard is intended to provide a basis for common understanding among owners, users, installers, service personnel, the general public and the regulatory community as to the minimum requirements for installing and servicing automotive lifts. It also provides a series of checklists for retention by the service provider.

Installation:

Before initiating any installation project, check local codes and obtain the appropriate permit(s) if any are required.

Automotive lifts must be assembled and installed by qualified personnel. The installation must be carried out according to the manufacturer's instructions. The manufacturer's instructions shall be the final authority in all matters pertaining to installation. In the absence of manufacturer's instructions, the instructions contained in the actual standard shall be followed.

When installing an automotive lift, consider the following:

- | | | |
|--------------------------------|-------------------------|--------------------------|
| - placement | - clearance | - access to shop |
| - access to lifts | - location of controls | - access to utilities |
| - delivery method | - erection | - electrical connections |
| - compressed air connections | - hydraulic connections | - concrete work |
| - filling with hydraulic fluid | - first lubrication | |

In regards to installation of "**In-Ground Lifts**", you must give special consideration to the following:

- | | | |
|-----------------------|--------------------|-------------------|
| - floors | - excavation | - foundations |
| - cathodic protection | - soil conditions | - lift setting |
| - piping connections | - leak testing | - ballast |
| - back-filling | - concrete pouring | - superstructures |
| - deactivation | - removal | |

Remember, there are no circumstances where corrosion protection is unnecessary.

When installing "**Surface Mounted Lifts**", you must give special consideration to the following:

- | | | |
|------------------------------|-----------------------------|--------------------|
| - floors | - excavation (if necessary) | - concrete pouring |
| - lift setting | - superstructures | - anchors |
| - shimming and grouting | - piping connections | - leak testing |
| - chain and cable adjustment | | |

Installation records must be maintained for each lift.

Service:

A qualified service technician shall establish a periodic, planned service procedure in accordance with the recommendations of the lift manufacturer in order to ensure reliability and allow the continued safe operation of the lift.

Planned service shall follow the recommendations of the lift manufacturer as to the frequency whether it be daily, weekly, monthly, semi-annually, annually or on some other basis.

All planned service procedures shall include periodic inspection of wire rope and roller and link chain used for load suspension or synchronization.

(Over)

(cont'd)

It is strongly recommended that repair or replacement parts be obtained from the original equipment manufacturer whenever possible.

Service records must be maintained for each lift.

Modifications:

There shall be no modifications or reconstruction made to any automotive lift without the expressed written permission of the manufacturer.

This bulletin contains a summary of excerpts taken from the standard, for general information purposes only. This bulletin is not reflective of the complete requirements that the standard prescribes.

Note: *Manitoba Regulation M.R. 217/2006 Section 1.4 inconsistency:*

If there is an inconsistency between this regulation and a requirement contained in a publication, code or standard referenced in this regulation, the provisions in this regulation prevail.