

JIS

JAPANESE INDUSTRIAL STANDARD

**Lifts Above Ground
for Automobiles**

JIS D 8108^{—1987}

Translated and Published

by

Japanese Standards Association

In the event of any doubt arising,
the original Standard in Japanese is to be final authority.

JAPANESE INDUSTRIAL STANDARD

J I S

Lifts Above Ground for Automobiles

D 8108-1987
(Reaffirmed: 1992)1. Scope

This Japanese Industrial Standard specifies lifts above ground for automobiles, hereinafter referred to as the "lifts", to be used for check and preparation of automobiles.

Remark: The lift above ground means the lift fixed on the ground to ascend and to descend automobiles by supporting parts of automobiles such as frame, body, wheel, axle, etc.

2. Definitions

For the purposes of this Standard, the following definitions apply.

- (1) tuning apparatus An apparatus for ascending and descending synchronously in a definite range of lift having two or more lift stands. For tuning apparatus, there is the oil-hydraulic type or mechanical type.
- (2) lowering amount The distance of lowering naturally of lift stand due to causes of oil leakage in oil-hydraulic system, sliding in mechanical brake, etc.
- (3) maximum working capacity The maximum mass capable of being ascended and descended under the usual operation condition.
- (4) lift The vertical travelling distance of lift stand.
- (5) effective inside width The minimum inside width of lift stand parts not contacting the automobile body when the automobile is driven-in (refer to Attached Figs. 2 to 8).

3. Classification

The lifts shall be classified as given in Table 1 according to the construction, performance and shape of lift.

Applicable Standards:

JIS B 1801-Transmission Roller Chains

JIS G 3525-Wire Rope

Reference Standard:

JIS D 8107-Lifts for Automobiles