

**RECOMMENDED  
PRACTICE SAE J38**

APPROVED AS ANSI/SAE J38-1983  
BY AMERICAN NATIONAL  
STANDARDS INSTITUTE

**Lift Arm Safety  
Device for Loaders - SAEJ38**

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PUBLISHED BY:  
SAE, Inc., 400 Commonwealth Drive, Warrendale, PA 15096

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# LIFT ARM SAFETY DEVICE FOR LOADERS—SAE J38

SAE Standard

Report of Construction and Industrial Machinery Technical Committee approved May 1974. Editorial change June 1977.

**1. Objective**—This SAE Standard is established to provide protection for personnel on or near the machine by preventing the accidental lowering of the lift arms when the lift arms are required to be held in the elevated position for maintenance, servicing, or purposes other than operating.

**2. Scope**—This standard establishes structural, mounting, and test requirements for a lift arm safety device for loaders as defined in SAE J1057a.

**3. Definition—Lift Arm Safety Device(s)**—One or more links, bars, or structures, including attaching points and parts, designed to provide the protection detailed in paragraph 1.

#### **4. General Requirements**

**4.1 Design**—The safety device shall be designed to withstand the load imposed by the lifting, lowering, and dumping forces plus 1.5 times the weight of the empty attachment, arms, and linkage. The lifting, lowering, and dumping means shall be set by manufacturer's maximum recommended specifications.

**4.2 Installation**—The safety device shall be installed within the machine structure so that movement of the machine or upward movement of the lift arm linkage will not dislodge or disengage the safety device. It is recommended that the elevated lift arm position be selected to provide access to the maximum number of maintenance servicing operations.

**4.2.1 INSTALLATION INSTRUCTIONS**—Installation instructions shall be provided by a permanent means in a conspicuous location adjacent to the point of use.

**4.3 Storage**—The safety device and its required parts shall be stored on the machine in a secure manner.

**4.4 Testing**—A physical test is required to verify the design criteria of paragraph 4.1 for each different design of lift arm safety device. The safety device shall withstand the above test without permanent structural deformation or failure.

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