



SURFACE VEHICLE STANDARD	J38™	JUN2003
	Issued 1974-05 Revised 1991-08 Cancelled 2003-06 Superseded by ISO 10533	
Lift Arm Support Devices for Loaders		

RATIONALE

J38 has been cancelled and superseded by ISO 10533.

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1. Scope—This SAE Standard provides the acceptance criteria for a lift arm support device to prevent lowering of the loader lift arms when the lift arms are required to be held in an elevated position for maintenance. It establishes structural, mounting, and test requirements for a lift arm support device for loaders as defined in SAE J1057 JUN81.

2. References

2.1 Applicable Publication—The following publication forms a part of the specification to the extent specified herein. Unless otherwise indicated the latest revision of SAE publications shall apply.

2.1.1 SAE PUBLICATION—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAE J1057 JUN81—Identification Terminology of Earthmoving Machines

3. Definitions

3.1 Lift Arm Support Device(s)—One or more links, bars, pins, or structures, including attaching points and parts, designed to provide the function detailed in Section 1.

3.2 Maintenance—Routine scheduled activities which are performed in order to keep a loader in good operating condition.

4. General Requirements

4.1 Performance Capability—The support device shall withstand the static load imposed by the lowering and dumping forces plus 1.5 times the weight of the arms, linkage, and empty attachments, as specified by the manufacturer, applied at the CG of the foregoing. If the support is loaded by lifting action, then it must also withstand that force. The support device, including attaching parts and the attachment points on the machine, shall not exhibit any permanent structural deformation or failure when the forces defined by 4.1 are applied.

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