



SURFACE VEHICLE RECOMMENDED PRACTICE

J1062™

JUL2025

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Superseding J1062 JUL2019

Snowmobile Passenger Handgrips

RATIONALE

Removed 2.1.2. Revisions to Sections 4 and 5. Imperial units were removed.

SAE J1062 has been reaffirmed to comply with the SAE Five-Year Review policy.

1. SCOPE

This SAE Recommended Practice is intended to give information to engineers and designers in order that access to a passenger handgrip, when used, is easily obtained, and that such handgrips offer maximum safety for a person at least as large as a 95th percentile adult male during snowmobile operation.

2. REFERENCES

2.1 Applicable Documents

The following publications form a part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue of SAE publications shall apply.

2.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or +1 724-776-4970 (outside USA), www.sae.org.

SAE J33 Snowmobile Definitions and Nomenclature - General

SAE J925 Minimum Service Access Dimensions for Off-Road Machines

3. DEFINITIONS

3.1 SNOWMOBILE

As defined in SAE J33.

3.2 PASSENGER

A person traveling on a snowmobile positioned behind the operator, but not controlling the vehicle.

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Full document details: SAE J1062_202507

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3.3 HANDGRIP

A device or feature on a snowmobile intended to be grasped by the passenger to maintain balance and stability during operation.

3.4 DESIGNATED SEATING POSITION

Any position intended by the manufacturer to provide accommodations for a 95th percentile adult male.

4. REQUIREMENTS

4.1 Functionability

A passenger handgrip shall be designed so that its ability to function effectively is not adversely affected by climatic or atmospheric conditions (such as aging, ozone, sunlight, petrochemicals, and dirt).

4.2 Location

Either a single passenger handgrip or a double passenger handgrip, or both, shall be provided for each designated passenger position. A single handgrip shall be located directly in front of every seating position or double handgrips shall be provided, one on each side of the seating position. All passenger handgrips shall be large enough and so positioned to be easily grasped by a 95th percentile adult male wearing heavy arctic mittens.

4.3 Loading

Every passenger handgrip shall be attached to a load-carrying part of the snowmobile and shall be capable of withstanding an 1800 N upward tensile force applied in the vertical plane and a 900 N outward tensile force applied in the horizontal plane, without failure of either the handgrip or its attachment mechanism from the vehicle.

4.3.1 Any handgrip not rigidly attached to the snowmobile shall be affixed so it automatically returns to a position that is readily accessible.

5. DURABILITY CYCLE TEST

Durability shall be verified by cycling the handgrip mounted in its designed position, applying a 900 N upward tensile force applied in the vertical plane for 5000 repetitions. Upon completion of the cycle test, the unit must meet the requirements of 4.3. Durability test shall be conducted within the temperature range of $20\text{ }^{\circ}\text{C} \pm 6\text{ }^{\circ}\text{C}$.

6. NOTES

6.1 Revision Indicator

A change bar (I) located in the left margin is for the convenience of the user in locating areas where technical revisions, not editorial changes, have been made to the previous issue of this document. An (R) symbol to the left of the document title indicates a complete revision of the document, including technical revisions. Change bars and (R) are not used in original publications, nor in documents that contain editorial changes only.

PREPARED BY THE SAE SNOWMOBILE COMMITTEE