

Excavator Hand Signals – SAE J1307 MAY81

SAE Recommended Practice
Approved May 1981

SAENORM.COM : Click to view the full PDF of J1307 - 198105

THIS IS A PREPRINT WHICH IS
SUBJECT TO REVISIONS AND
CORRECTIONS. THE FINAL
VERSION WILL APPEAR IN THE
1982 EDITION OF THE SAE
HANDBOOK.

SAE *The Engineering
Resource For
Advancing Mobility*

PREPRINT
S. A. E.
LIBRARY

SAENORM.COM : Click to view the full PDF of J1307 - 198105

Report of the Off-Road Machinery Technical Committee, Subcommittee 17, approved May 1981. Rationale statement available.

1. Purpose—This SAE Recommended Practice provides a set of uniform hand signals for use by a signalman to direct an operator in the movement of the load or the working equipment or travel of a mobile excavator.

2. Scope—This recommended practice applies to mobile excavators, as defined in SAE J1057—Identification Terminology of Earthmoving Machines.

3. Signals

3.1 Standard Signals—When excavator work conditions require hand signals, they shall be provided or posted conspicuously for the use of both signalman and operator. Hand signals, as specified in paragraph 3.2, shall be the standard signals. No excavator motions shall be made unless signals are clearly understood by both signalman and operator.

3.2 Hand Signals—Hand signals shall be executed as defined and illustrated in Fig. 1. Direction and motion of the hands and arms with respect to the machine shall define the intended signal, regardless of location or body orientation of the signalman.

3.3 Special Signals—When signals for auxiliary equipment functions or conditions not covered in paragraph 3.2 are required, they shall be agreed upon in advance by the operator and signalman. They shall not conflict with the specified standard hand signal.

3.4 Instructions—When it is desired to give instructions to the operator other than provided by the established signal system, all excavator motions shall first be stopped.

SAENORM.COM : Click to view the full PDF of J1307 - 198105

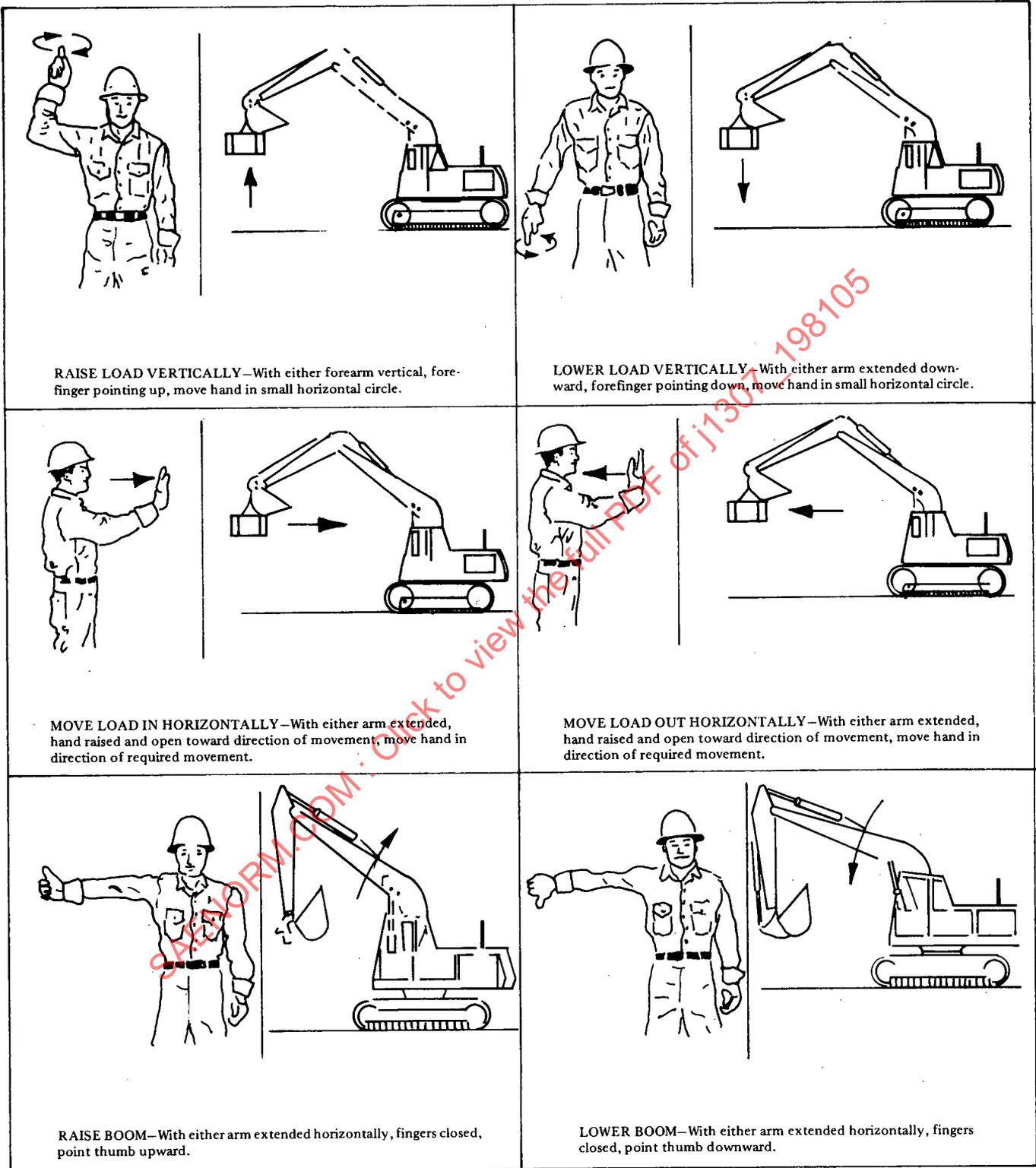


FIG. 1—STANDARD HAND SIGNALS FOR CONTROLLING EXCAVATORS

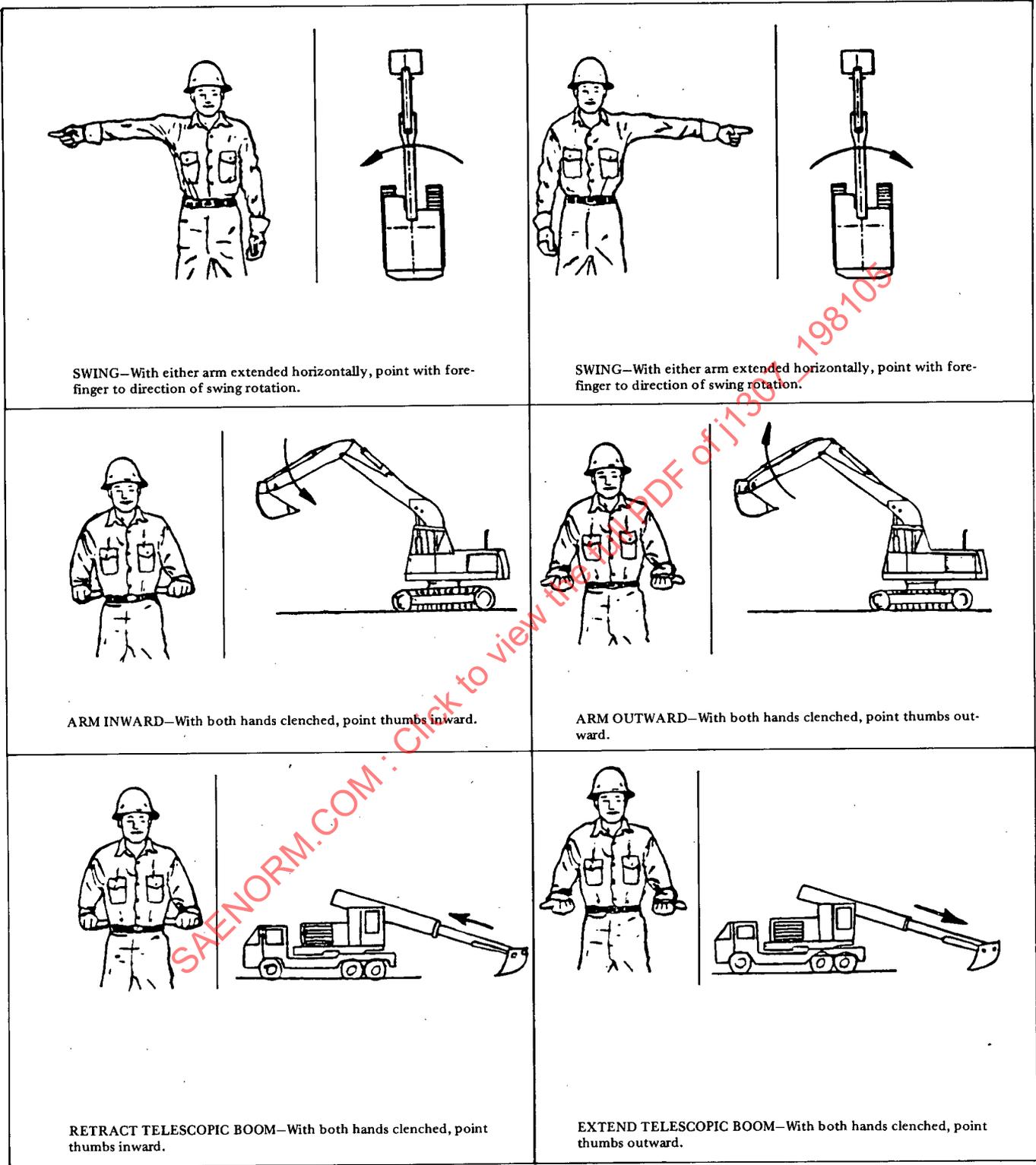


FIG. 1—STANDARD HAND SIGNALS FOR CONTROLLING EXCAVATORS (Cont.)



FIG. 1—STANDARD HAND SIGNALS FOR CONTROLLING EXCAVATORS (Cont.)