

Unauthorized Starting or Movement of Machines

- 1. Scope**—This SAE Recommended Practice applies to construction, general purpose industrial, forestry, and specialized mining machinery as categorized in SAE J1116. It describes the machine components and systems that should be disconnected, secured, or otherwise rendered inoperative.

Deterrent systems or devices covered by this recommended practice are to be used when the machine is shut down per the manufacturer's shut down instructions.

It is not the intent of this recommended practice to protect the machine or the authorized machine operator, or to protect against abuse, destructive vandalism, or theft.

- 1.1 Purpose**—This recommended practice is a guide for locking or otherwise rendering inoperative the starting, control, and parking release systems to deter unauthorized machine or working tool movement while the machine is shut down.

2. Reference

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

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

SAE J1116—Categories of Off Road Work Machines

3. Definitions

- 3.1 Starting System**—The parts and components designated as starting controls on a machine which, when activated, cause the engine or power source to crank and start.

- 3.2 Control Systems**—Those systems which, when activated, impart motion to the machine or any of its working tools.

- 3.3 Parking System**—Those parts and components which, when activated, are intended to hold a shut down machine from moving.

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4. Performance Criteria

4.1 Starting System—The starting system should have a key-type ignition switch or lockable master disconnect switch to deter unauthorized activation of the starting system.

4.2 Control Systems—If a machine is shut down in accordance with the manufacturer's recommended shut down procedure, and the actuation of any control will result in movement of the machine or its working tools, a means should be provided to deter such movements.

4.3 Parking System—A means should be provided to deter any unauthorized release of the parking system.

4.4 Locks

4.4.1 Locking devices or provisions for padlocks used to secure the starting, control, and parking systems should be an integral part of the system(s).

4.4.2 Locking devices should be easily accessible to the machine operator.

4.5 Lockable cabs satisfy the requirements of this recommended practice for machine components and system controls that are located inside the cab.

PREPARED BY THE SAE OPERATOR PROTECTION TECHNICAL COMMITTEE SC1—
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