

DRAFT AMENDMENT ISO 3767-2:2016/DAM 1

ISO/TC 23/SC 14

Secretariat: ANSI

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2020-04-02

Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Symbols for operator controls and other displays —

Part 2: Symbols for agricultural tractors and machinery

AMENDMENT 1

Tracteurs, matériels agricoles et forestiers, matériel à moteur pour jardins et pelouses — Symboles pour les commandes de l'opérateur et autres indications —

Partie 2: Symboles pour tracteurs et matériels agricoles

AMENDEMENT 1

ICS: 01.080.20; 65.060.01

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This document was prepared by Technical Committee ISO/TC 23 Tractors and machinery for agriculture and forestry, Subcommittee SC14 Operator controls, operator symbols and other displays, operator manuals.

This is an amendment to the fourth edition (ISO 37167-2:2016), which contains additions and modifications.

The main changes compared to the fourth edition are as follows:

- addition of new symbols for tractor headland turning, rear rockshaft, rear hitch draft control, three-point rear linkage and others.
- modification of symbols of the sprayers section.

A list of all parts in the ISO 3767 series can be found on the ISO website.

Introduction

This amendment has been developed to keep the standard aligned with the state of the art: the new symbols are linked to new functions, mainly provided by electronic control systems. There are also modifications to existing symbols in order to improve clarity and consistency with current technology.

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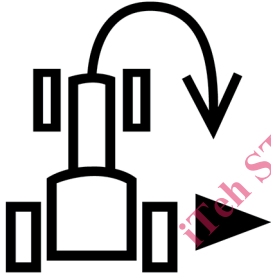
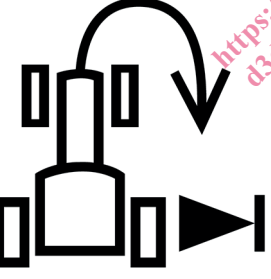
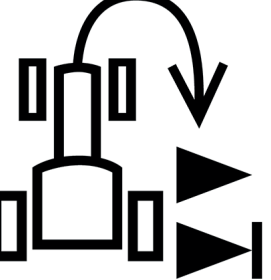
Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Symbols for operator controls and other displays —

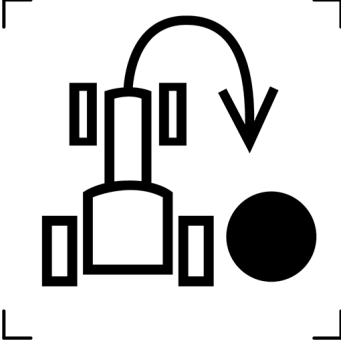
Part 2: Symbols for agricultural tractors and machinery

AMENDMENT 1

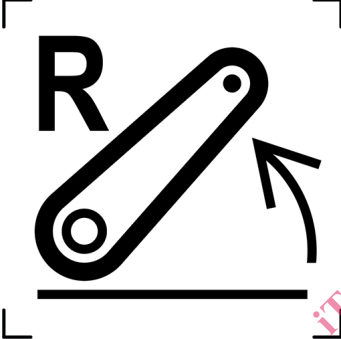
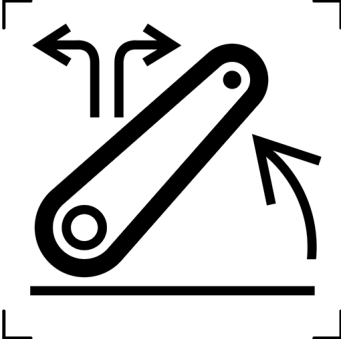
9 Agricultural tractor symbols

Add the following new symbols and renumber the following as appropriate:

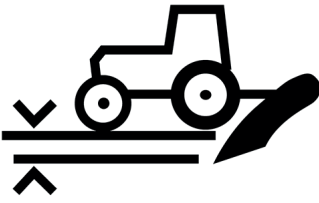
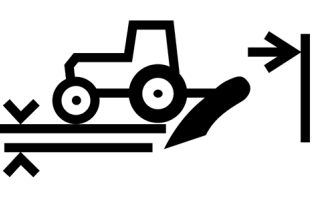

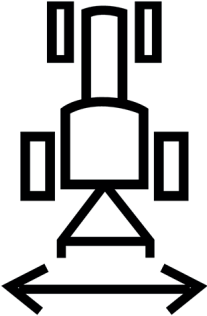
Part #	Graphical Symbol	Symbol title and description	ISO/IEC registration number
9.16		Title: Tractor, headland turning play Description: To identify the control to play or replay a programmed sequence of tractor operations taken at the end of a field (headland).	ISO 7000-3683
9.17		Title: Tractor, headland turning play next Description: To identify the control to play next part of a programmed sequence of tractor operations taken at the end of a field (headland).	ISO 7000 -3684
9.18		Title: Tractor, headland turning play and play next Description: To identify the control to play and play next programmed sequence of tractor operations taken at the end of a field (headland).	ISO 7000 -3685

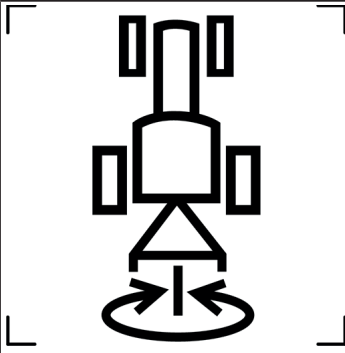
Part #	Graphical Symbol	Symbol title and description	ISO/IEC registration number
9.19		<p>Title: Tractor, headland turning, record program</p> <p>Description: to identify the control that records and a sequence of tractor operations for later recall and playback and the end of the field (headland).</p>	ISO 7000 -3686

Add the following new symbols and renumber the following as appropriate:

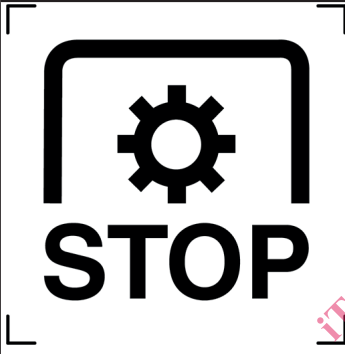
Part #	Graphical Symbol	Symbol title and description	ISO/IEC registration number
9.23		<p>Title: Rear rockshaft, raise when machine shifts into reverse gear</p> <p>Description: To identify the control that automatically raises the rockshaft when the transmission is shifted into reverse gear. To indicate that the rockshaft is being raised or is in the raised (up) position because the transmission is in reverse gear.</p> <p>Note: The rockshaft normally is lowered to its previous position when the transmission is changed from reverse gear into forward gear.</p>	ISO 7000 -3687
9.24		<p>Title: Rear rockshaft, programmed raising when machine turns</p> <p>Description: To identify the control that, when activated, raises the rear rockshaft when the machine is operating at predetermined parameters of turning angle and machine speed. To indicate that the rockshaft is being raised or is in the raised (up) position because of those predetermined parameters of turning angle and machine speed.</p>	ISO 7000 -3688

Add the following new symbols and renumber the following as appropriate:

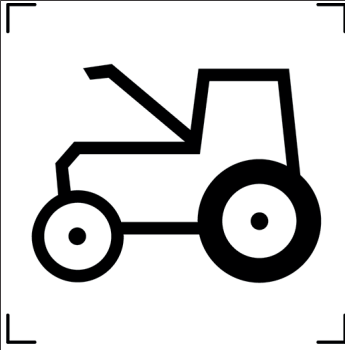
Part #	Graphical Symbol	Symbol title and description	ISO/IEC registration number
9.38		<p>Title: Rear Hitch Draft Control</p> <p>Description: To identify the control that adjusts hitch position to maintain the targeted load placed on the tractor.</p>	ISO 7000 -3689
9.39		<p>Title: Rear Hitch Draft Control, set upper limit</p> <p>Description: To identify the control that sets the upper limit of the hitch position that results in the target load being placed on the tractor.</p>	ISO 7000 -3690
9.40		<p>Title: Rear Hitch Draft Control, set lower limit</p> <p>Description: To identify control that sets the lower limit of the hitch position that results in the target load being placed on the tractor.</p>	ISO 7000 -3691
9.41		<p>Title: Three-point hitch linkage slide</p> <p>Description: To identify the control for the slide angle of the three-point hitch linkage.</p>	ISO 7000 -3653

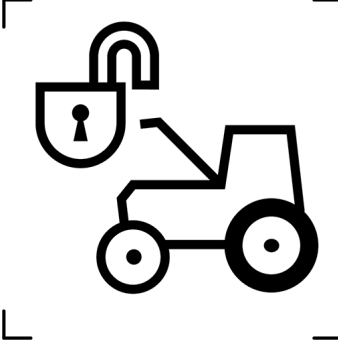

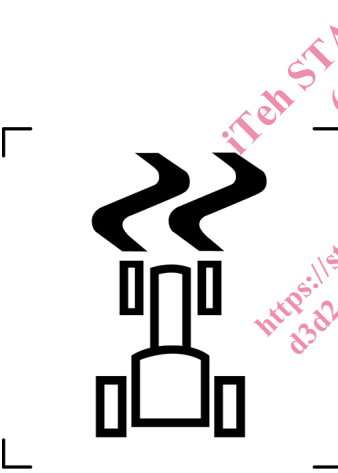
Part #	Graphical Symbol	Symbol title and description	ISO/IEC registration number
9.42		Title: Three-point hitch linkage, roll Description: To identify the control for the roll angle of the three-point hitch linkage.	ISO 7000 -3654

Add the following new symbols and renumber the following as appropriate:

Part #	Graphical Symbol	Symbol title and description	ISO/IEC registration number
9.57		Title: Power take-off (PTO), stop Description: To identify the control that switches off or otherwise interrupts all power to the PTO. To indicate that the PTO is stopped and unable to restart until positive action is taken by the operator to enable PTO operation.	ISO 7000 -3692

Add the following new symbols:

Part #	Graphical Symbol	Symbol title and description	ISO/IEC registration number
9.72		Title: Tractor bonnet (hood), release or open Description: To identify the control that releases or opens the tractor bonnet (hood) and allows access to the engine compartment. To indicate that the bonnet (hood) is open.	ISO 7000 - 3694

Part #	Graphical Symbol	Symbol title and description	ISO/IEC registration number
9.73		<p>Title: Tractor bonnet (hood), unlock</p> <p>Description: To identify the control that unlocks the bonnet (hood). To indicate that the bonnet (hood) is unlocked.</p>	ISO 7000 -3693
9.74		<p>Title: Tractor-implement automation</p> <p>Description: To identify the control for the use of tractor functions that have been programmed for automation. To indicate that a tractor function is in automated or programmed mode.</p>	ISO 7000 - 3647
9.75		<p>Title: Stability control system, front; anti-jack-knife system</p> <p>Description: To identify the control that activates or deactivates the stability control system for the front of the tractor. To indicate the operational status of the front stability control system.</p> <p>Note 1: When the brake pedals are pushed and stability control is inactive, the transmission helps to decelerate the wheels by reducing the transmission ratio and controlling the engine brake. With stability control active, the contribution by the transmission toward wheel deceleration is considerably reduced.</p> <p>Note 2: Stability control mode is useful for transport with heavy trailers to reduce the probability of jack-knifing while braking.</p> <p>Note 3: If one control operates both the front and the rear stability systems, use the symbol for rear stability system.</p>	ISO 7000 -3648