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|  | <b>SURFACE<br/>VEHICLE<br/>STANDARD</b> |                     |
|                                                                                  | <b>SAE</b>                              | <b>J326 NOV2012</b> |
|                                                                                  | Issued<br>Revised                       | 1968-01<br>2012-11  |
| Superseding J326 MAR1986                                                         |                                         |                     |
| Nomenclature - Hydraulic Backhoes                                                |                                         |                     |

## RATIONALE

This standard is being revised to update the figures to include roll-over protective structures and to update an out-of-date reference.

### 1. SCOPE

This SAE Standard includes hydraulic backhoes which have no more than 190 degrees of rotational swing, and are mounted on wheel tractors and crawler tractors. Illustrations used are not intended to include all existing commercial machines or to be exact descriptions of any particular machine. The illustrations have been chosen to describe the principles to be used in applying this standard.

#### 1.1 Purpose

This SAE Standard defines types of hydraulic backhoes and the names of major components and parts peculiar to hydraulic backhoes.

### 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 ASABE Publications

Available from American Society of Agricultural and Biological Engineers, 2950 Niles Road, St. Joseph, MI 49085, <http://www.asabe.org/>.

ASABE S217.12      Three-Point Free-Link Attachment for Hitching Implements to Agricultural Wheel Tractors

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### 3. DEFINITIONS

For purposes of this Standard, hydraulic backhoes are divided into three type classifications dependent on the method of attaching to the machines. The arrangement of backhoe components illustrated is applicable to any of the three types.

#### 3.1 TYPE A BACKHOE

A backhoe designed to be installed on a standard three-point hitch coupler, or equivalent, in which usage<sup>1</sup> is as an alternate implement. (Ref. ASABE S217.12.)

#### 3.2 TYPE B BACKHOE

A backhoe designed to be installed on a machine in which usage<sup>1</sup> is a basic function of the machine, but can be readily removed and replaced by other tools or equipment.

#### 3.3 TYPE C BACKHOE

A backhoe designed to be an integral part of the machine, in which usage<sup>1</sup> is a primary function of the machine. Even though the backhoe may be removable, the tractor is not designed to have the backhoe replaced by other tools or equipment.

#### 3.4 BACKHOE DIRECTIONAL REFERENCES

The terms right, left, front, or rear shall be determined from the position of the operator when seated in the backhoe operating position.

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<sup>1</sup>End point usage intended by the manufacturers' design objectives.

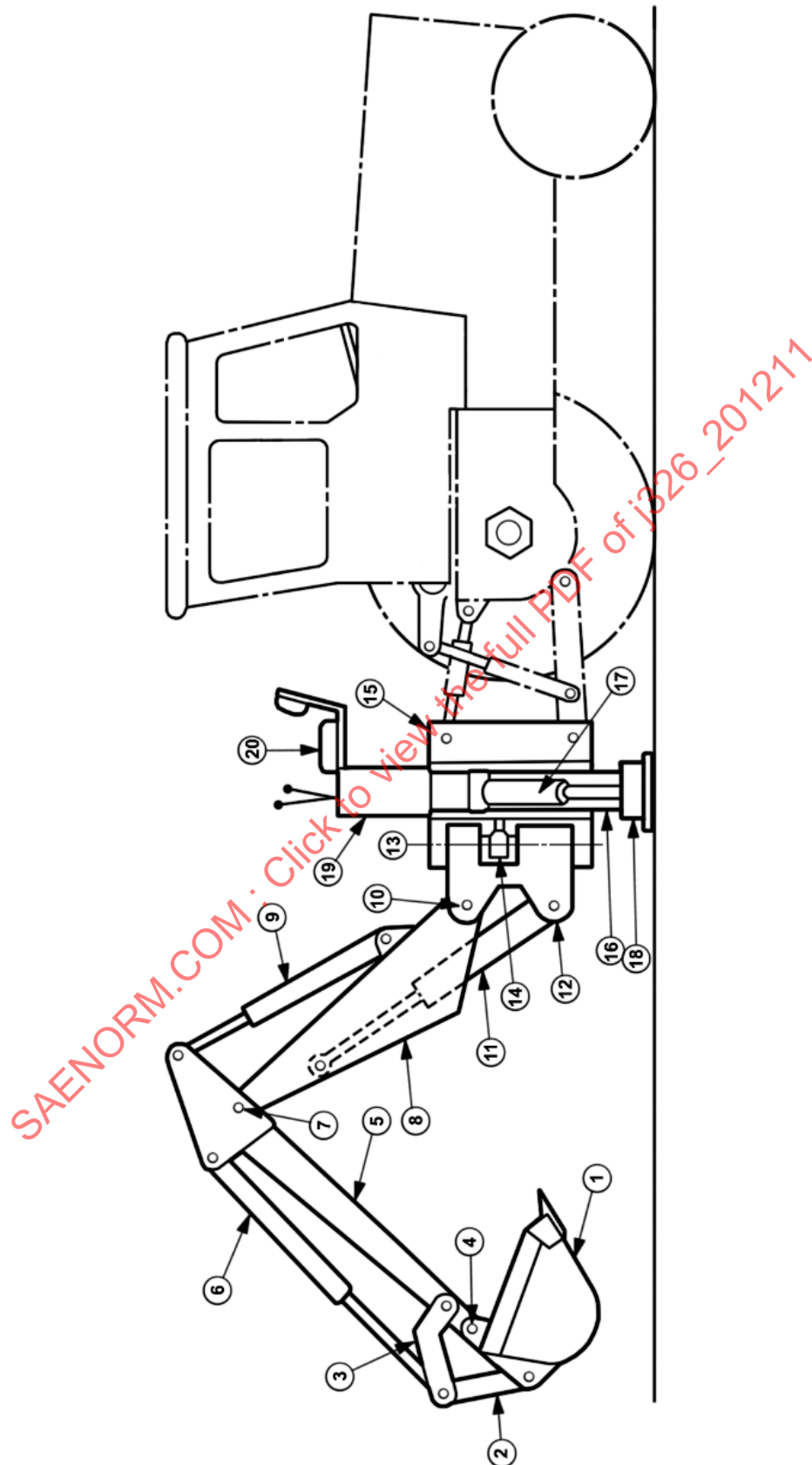


FIGURE 1 - TYPE A BACKHOE

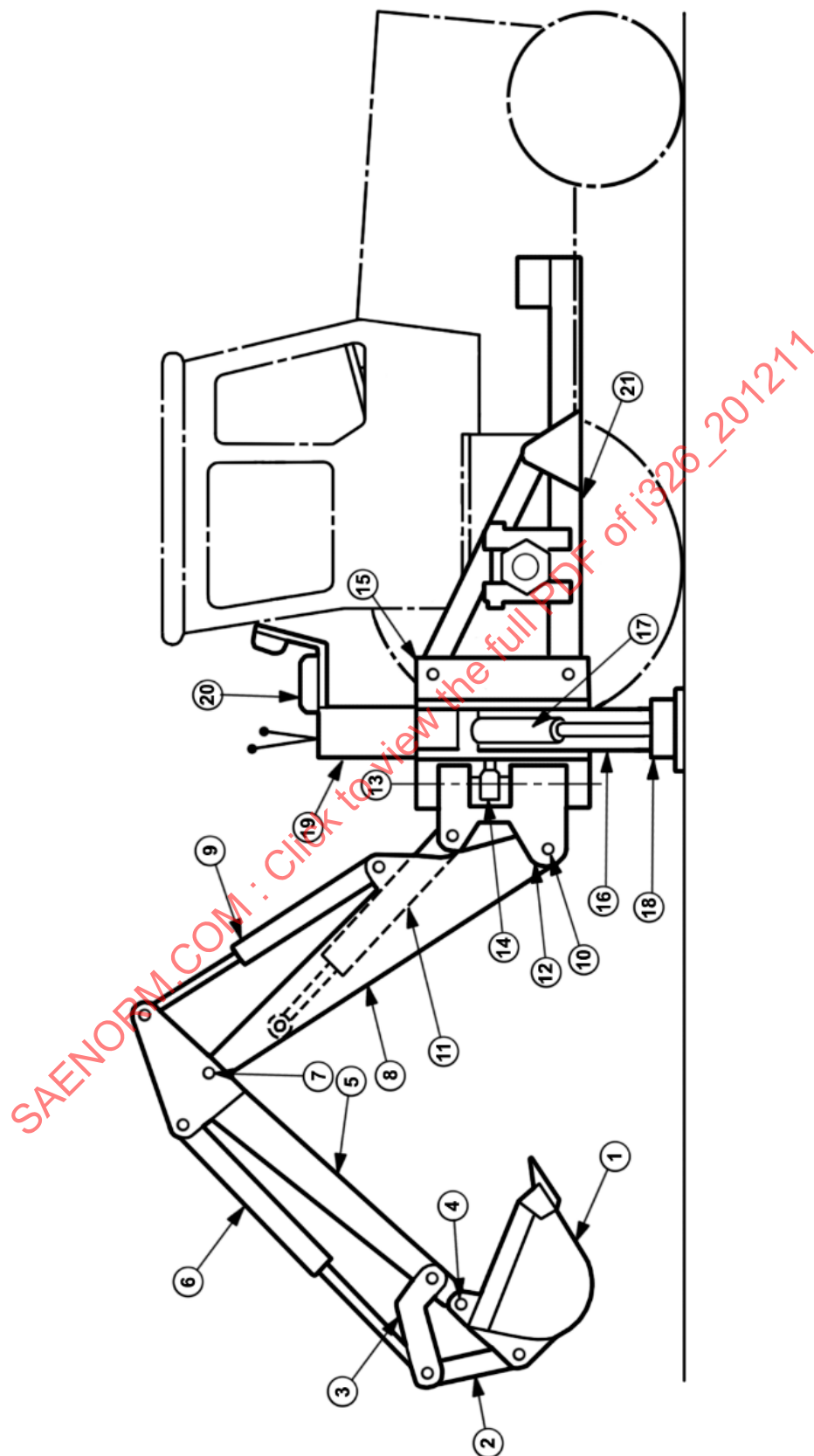


FIGURE 2 - TYPE B BACKHOE

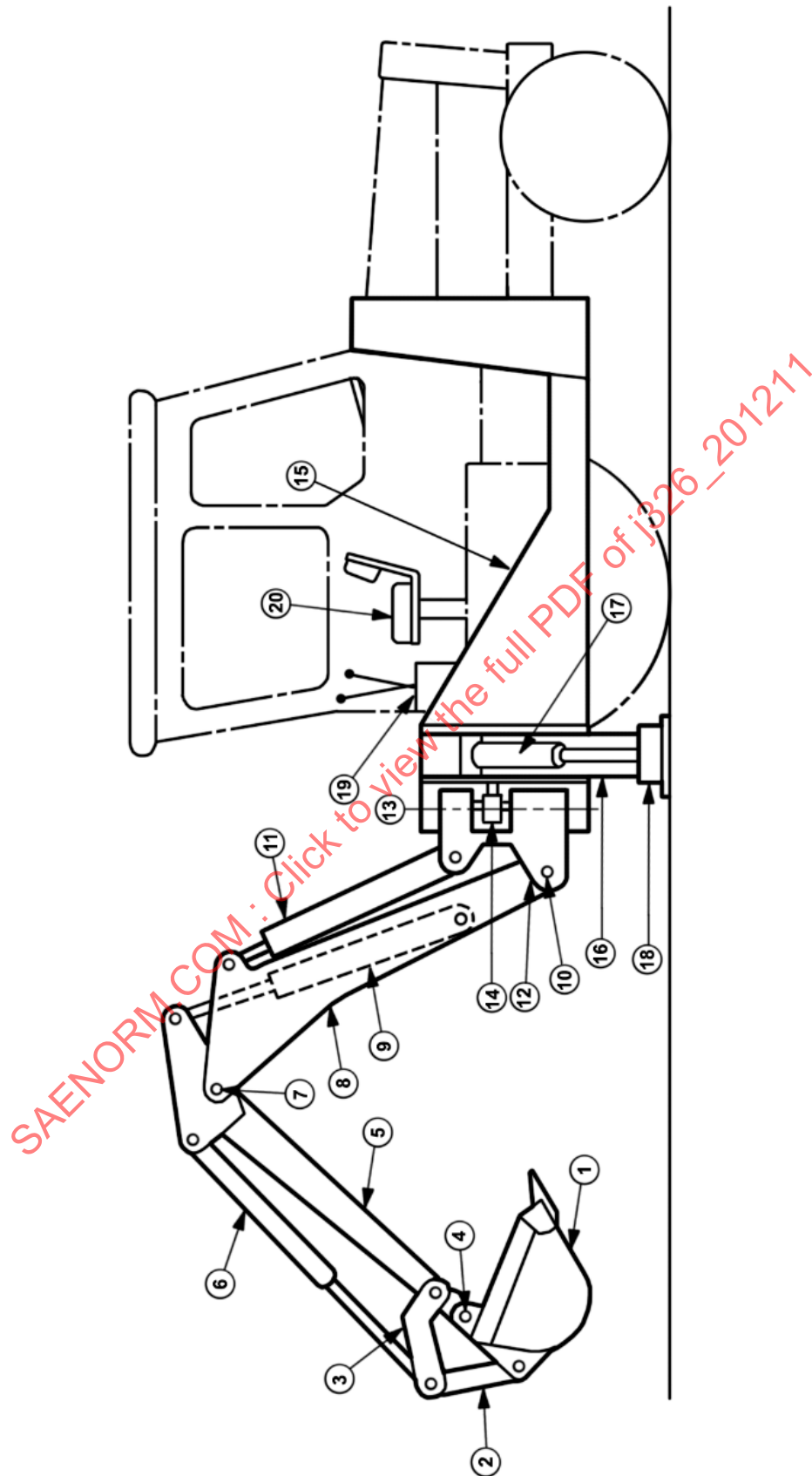


FIGURE 3 - TYPE C BACKHOE