



SURFACE VEHICLE STANDARD

J717™

DEC2019

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Revised	1987-02
Reaffirmed	1993-04
Cancelled	2019-12

Superseded by ASAE S431

Auxiliary Power Take-off Drives for Agricultural Tractors

RATIONALE

Standard is recommended to be balloted for cancellation due to proposal from ASABE. SAE J717 has been superseded by ASAE S431.

CANCELLATION NOTICE

This Technical Report has been declared "CANCELLED" as of December, 2019, and has been superseded by ASAE S431. By this action, this document will remain listed in the respective index, if applicable. Cancelled Technical Reports are available from SAE.

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1. Scope—This SAE Standard establishes specifications for mid- and side-power take-off drives that will be helpful in designing implements. Design of the implement attaching means must be tailored to each tractor, depending on attaching points available and the exact location of the auxiliary shaft.

2. References

2.1 Applicable Documents—The following publications form a part of this specification to the extent specified herein. The latest issue of SAE publications shall apply.

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

SAE J721—Operating Requirements for Tractors and Power Take-Off Driven Implements
SAE J1170—Rear Power Take-Off for Agricultural Tractors

2.2 Definition—Auxiliary Power Take-Off (Aux. PTO)—An external shaft on an agricultural tractor, other than the rear or front PTO, to provide rotational power to implements that are usually mid- or side-mounted.

3. Specifications

3.1 The Aux. PTO shall conform to SAE Standard J1170.

3.1.1 Shafts, to the dimensions of 1000 rpm PTO, 35 mm (1-3/8 in) diameter, involute splines.

3.1.2 A minimum spherical clearance radius of 82.6 mm (3.25 in) with sufficient openings to allow for equipment drives.

3.1.3 Shielding similar to the power take-off shield.