

**RECOMMENDED
PRACTICE SAE J176a**

APPROVED AS ANSI/SAE J176a-1979
BY AMERICAN NATIONAL
STANDARDS INSTITUTE

**Dry-Break Fueling Installation
for Construction Machinery — SAE J176a**

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φ **DRY-BREAK FUELING INSTALLATION
FOR CONSTRUCTION MACHINERY—SAE J176a**

SAE Recommended Practice

Report of Construction and Industrial Machinery Technical Committee approved May 1970 and completely revised August 1977. Rationale statement available.

Purpose—This recommended practice outlines design criteria which may be employed to facilitate the interchangeability of fuel receivers for dry-break fueling.

Scope—This recommended practice specifies the application, position, protection, and size of dry-break fueling receivers and vents.

Application—It is recommended that fuel tanks have 2–1½ Dryseal NPTF (SAE J476 and J371a) openings to permit installation of a dry-break fueling receiver with an automatic shut off and appropriate venting. This applies to machines with a fuel capacity over 380 L (100 gal-nominal) or as applicable on machines with less fuel capacity.

Position—Whenever possible the fuel receiver should be accessible from ground level. Extensions to permit fueling from a remote area of the machine should be at least 50 mm (2 in) inside diameter with a minimum of bends.

Protection—The fuel receiver should be protected from external damage by its location or guards. The guards should not prevent removal of the receiver for repair.

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The φ symbol is for the convenience of the user in locating areas where technical revisions have been made to the previous issue of the report. If the symbol is next to the report title, it indicates a complete revision of the report.