

(R) FAST FILL FUELING INSTALLATION FOR
OFF-ROAD WORK MACHINES

1. SCOPE:

This document applies to off-road work machines as defined in SAE J1116.

2. PURPOSE:

This document specifies the application, position, protection, and size of dry-break fueling receivers.

3. APPLICATION:

The fuel tank shall have a 2 in - 1 1/2 Dryseal NPTF (SAE J476 and J371) opening to permit installation of a dry-break fueling receiver.

This applies to machines with a fuel capacity over 380 L (100 gal - nominal) or as applicable on machines with less fuel capacity.

4. POSITION:

The fuel receiver must be accessible from ground level. Extensions to permit fueling from a remote area of the machine must be at least 50 mm (2 in) inside diameter.

5. PROTECTION:

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

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RATIONALE:

Not applicable.

RELATIONSHIP OF SAE STANDARD TO ISO STANDARD:

Not applicable.

REFERENCE SECTION:

SAE J371 JUL85, Drain, Fill and Level Plugs for Off-Road, Self-Propelled Work Machines

SAE J476 JUN61, Dryseal Pipe Threads

SAE J1116 JUN86, Categories of Off-Road Self-Propelled Work Machines

APPLICATION:

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