

INSIGHTS

Genie
A TEREX COMPANY

Product News | Information | Updates

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What's New

More stringent EPA and CARB standards for exhaust and evaporative emissions

What's Affected

Non-road equipment powered by spark-ignited engines (gasoline/LPG) larger than 19 kW (25 hp), including these 2007 Genie® products equipped with gasoline/LPG dual fuel engines:

Z™-Booms

Z™-45/25 IC and RT, Z™-60/34 and Z™-80/60

S™-Booms

S™-40, S™-45, S™-60, S™-60 HC, S™-65, S™-80 and S™-85

Scissors

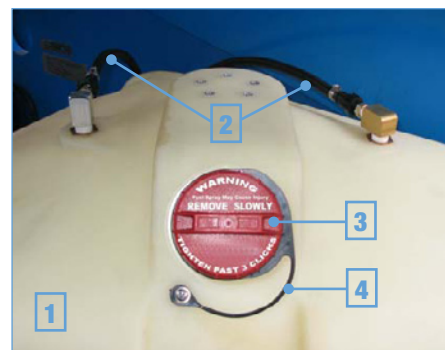
GS™-3384 RT, GS™-3390 RT, GS™-4390 RT and GS™-5390 RT

Genie® Dual Fuel Booms and Scissors Updated to Meet 2007 Emission Requirements

New Genie® dual fuel booms and scissors will offer the latest in standards compliance by meeting new, more stringent 2007 emissions standards established by the U.S. Environmental Protection Agency (EPA) and the California Air Resources Board (CARB).

Manufacturers must meet the new standards during the first half of 2007 by:

- **Limiting exhaust emissions** with a 2007 certified engine
- **Limiting evaporative emissions** (the amount of gasoline that can be lost through evaporation from the tank or hoses) with a sealed fuel delivery system



New fuel delivery system includes a modified fuel tank [1] with top-mounted, high-pressure, low-permeation fuel lines and compatible fittings [2] and a sealed fuel tank cap [3] with an external retainer strap [4].

Certified Engines

Genie is already in compliance with the new exhaust emission standards. The Ford DSG-423 engine was introduced on scissor lifts and booms 65 ft and under in late 2006, and the Continental TME27 engine was introduced on the Z™-80/60, S™-80 and S™-85 booms in early 2007. See below for a brief summary of specifications.

Sealed Fuel System

An updated fuel tank and fuel lines will be added to all Ford engine-equipped products during the second quarter to meet the evaporative emission requirement.

These updates continue the Genie commitment to reducing emissions for the benefit of our customers and the environment through responsible manufacturing practices and standards compliance.

New Engine Specifications

	Ford DSG-423	Continental TME27
Genie Models	Scissor lifts and booms under 65 ft	Z™-80/60, S™-80 and S™-85 booms
Engine	2.3 L, 4-Cyl., Dual Fuel	2.7 L, 4-Cyl., Dual Fuel
Horsepower	75 hp (56 kW)	74 hp (55 kW)
Torque	143 to 168 ft-lbs @ 2500 RPM	155 to 163 ft-lbs @ 2500 RPM

Note: Genie and its competitors publish a nominal engine horsepower consistent with EPA and CARB certification tests. This is usually the power at the engine's maximum rated RPM. The actual power output depends on operating RPM, fuel type, operating altitude and air temperature.

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