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DEUTZ 2.9I T4 FUEL PUMPS

The new Deutz 2.9L tier 4 engines utilize a common rail fuel injection system. Gone are the familiar lift pump and injector pump arrangement. These engines use an electric fuel pump to deliver fuel through the filter to the high pressure fuel pump. The pump is mounted near the fuel tank near the replaceable cartridge fuel filter.

When the machine is powered up, the fuel pump runs to build pressure in the circuit. Once enough pressure is seen by the ECU sensor, it allows the engine to crank. If you encounter a no crank situation, check that the fuel pump is running and that the fuel lines are not pinched or constricted. If the pump is not running, check the CB3 circuit breaker on the base control panel. If the breaker is not tripped, you can check for power at the fuel pump terminals located at the fuel outlet end of the pump. See figure 1.



Notice the terminals are marked with positive and negative symbols. *Note: the replacement part will not have darkened symbols.* Verify that the power and ground wires are on the correct terminals or the pump will run backward. Test for good voltage (12V) and a good ground. Make sure there is no rusty or loose connections at the terminals or wire ends.

Once these tests have been made, you can determine if the fuel pump needs replacement. If your Deutz engine is still under warranty, please contact your local Deutz service center for replacement. If the engine is out of warranty you can purchase a replacement part from Skyjack parts department.

If you have any questions regarding the fuel pump or any Skyjack product, please contact Skyjack Product Support at 1-800-275-9522 or email service@skyjack.com