

## Skyjack Technical Service

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## TECH TIP    JUNE 2026    DEUTZ ENGINE CODE: P1070-SPN 598 FMI 10

Deutz recently updated the diagnostic system for their engines to the EMR5 software. This affects the 2.2L/2.9L engines used in Skyjack products. Since that time, technicians working on Skyjack Boomlift models and Skyjack TH model telehandlers equipped with these engines have experienced an intermittent engine code:

**\*\*P1070 – SPN 598 FMI 10 Clutch signal - Abnormal rate of change\*\***

With the EMR5 software change, Deutz requires that a specific input signal to the engine ECU. That circuit is looking for a voltage change anytime the engine is running. This is a time recorded input, meaning the ECU looks for that input, records the change, and resets the timer for 48 hours. After 48 hours it looks for the input again and if it does not get it, the code is displayed. Be aware that this code will not prevent the engine from starting and running, it will just display the code or flash the MIL indicator.

**\*\*NOTE\*\*** If you are using the Deutz Serdia diagnostic software it is the K19 circuit the program is looking at for the input signal.

For the Boomlift models with these engines, a relay in the base control panel is used to regulate that circuit. The specific relay will be different depending on which boom model you are working on. Wire 233 is the wire that needs to have the voltage change. Locate wire 233 and check that relay and connections.

For the TH telehandler models the 11CR Glow Plug Relay is used to change the wire 68 signal when the engine is running. That relay, fuse, and harness connects to the engine harness and is located near the ECU and battery. Inspect that relay and fuse and connectors.

If you continue to experience this code after testing, contact Skyjack Technical Service at 1-800-275-9522 and we can help.

If you have questions regarding this, or any other questions about your Skyjack product, please contact Skyjack Product Support/Technical Service at 1-800-2SKYJACK (800-275-9522). You can email us at [service@skyjack.com](mailto:service@skyjack.com) and you will find a lot of helpful information at [www.skyjack.com](http://www.skyjack.com) including all the operating, service, and parts manuals, information regarding machine options, technical bulletins, service repair animations, and a chatbot feature where you can chat with one of our service representatives.