

TECHNICAL TIPS

CRANES

Type of Tip:

Slow Control Functions

Necessary Tools:

Personal Observation

Multimeter

Basic Hand Tools

Applicable Models:

SK315 / SK405 / SK415 / SK565 / SK575

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Basic Safety Rules



Danger

Failure to follow the instructions and safety rules in the Operator's Manual and Service Manual appropriate to your machine will result in death or serious injury. Many of the risks identified in the operator's manual are also safety risks when maintenance and repair procedures are performed.

Do not perform maintenance unless:

- You are trained and qualified to perform maintenance on this machine.
- You read, understand and obey:
 - The manufacturer's instructions and safety rules
 - Employer safety rules and workplace regulations
 - Applicable government regulations

- You have the appropriate tools, lifting equipment and a suitable location.

The information contained in this technical tip is a supplement to the service manual. Consult the appropriate service manual for your machine for safety rules and risks.

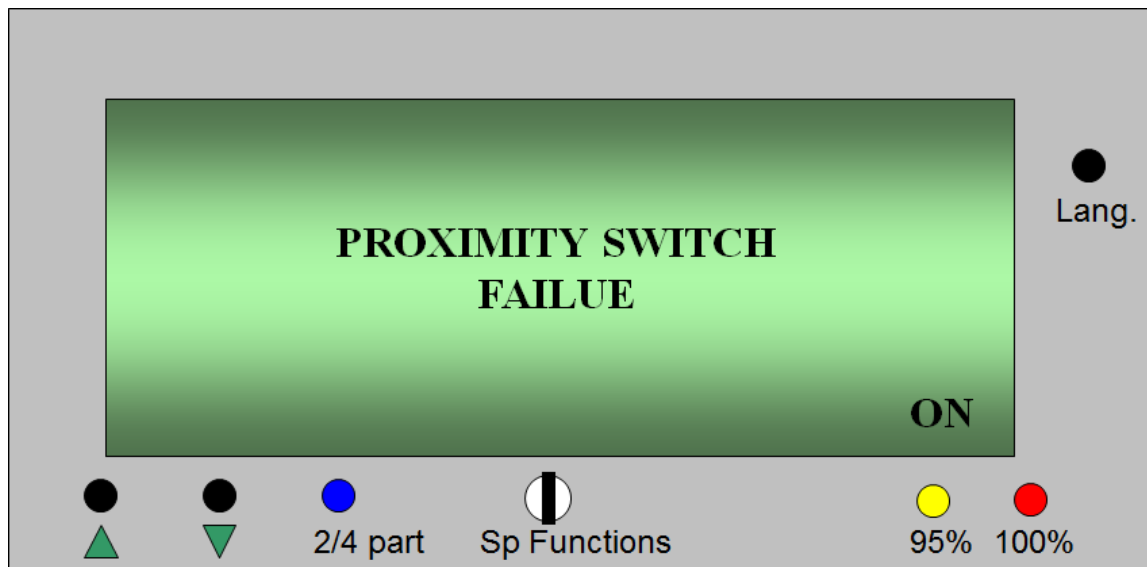
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Proximity Switch Failure Message on Display

- There are two ways in which the operator will receive this error message.
- The first is with a long jib configuration swinging in first step into the wind. The crane doesn't gain momentum within the time period set in the PLC parameters (2 seconds) that it expects to see the signal from the proximity switch.



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Other Possible Causes

- The second is the proximity switch is out of adjustment, has grease on the face of the switch or has a broken or damaged cable.

The PLC fails to receive a signal from the proximity switch at input E10.8.

As the crane swings, this input will flash ON and OFF as the proximity switch passes the gear teeth of the swing bearing exterior race.

