

TECHNICAL SERVICE BULLETIN



Nilfisk

Number: TSB-FC-2017-038

Symptom: Machine not starting.

Date: 22 Mar.2017

Urgency: Low

Author: Alberto Rastelli

Urgency:

☐

HIGH: Rework needs to be done immediately

☐

MEDIUM: Rework needs to be done by next possible occasion

☒

LOW: Rework to be done if necessary

☐

GENERAL: General information

SYMPTOM:

Machine not starting, machine has no functions.

PRODUCTS:

SC250, SCRUBTEC 334C, MA30 13B.

SYSTEM:

Electrical system

ECN #: 1006253

QAT 6978, 7034

ISSUE:

The main P24 controller P/N 9100001960 is preventing the machine from starting.

CAUSE:

One of the two pump output MOSFETs on controller (P/N 9100001960) was found short-circuited.

PRODUCTION CORRECTIVE ACTIONS:

1. *Hardware improvement:* The failing pump MOSFET (one of two, which was intended to provide two speeds) is being replaced with a diode.
2. *Software change:* The brush drive is modified to avoid the build up of static electricity - when the machine runs out of water the brush will shut down after one minute.

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PRODUCTION SOLUTION IMPLEMENTATION DATE and / or SERIAL NUMBER:

Implementation in production starting machine S/N: 3520171101261 week11, 2017.

EDC inventory will be returned to the factory and reserialized after replacing the controller PCB.
USDC inventory SC250 machines will have their control boards replaced with P/N 9100002260.
and their serial number nameplate marked with an "R".

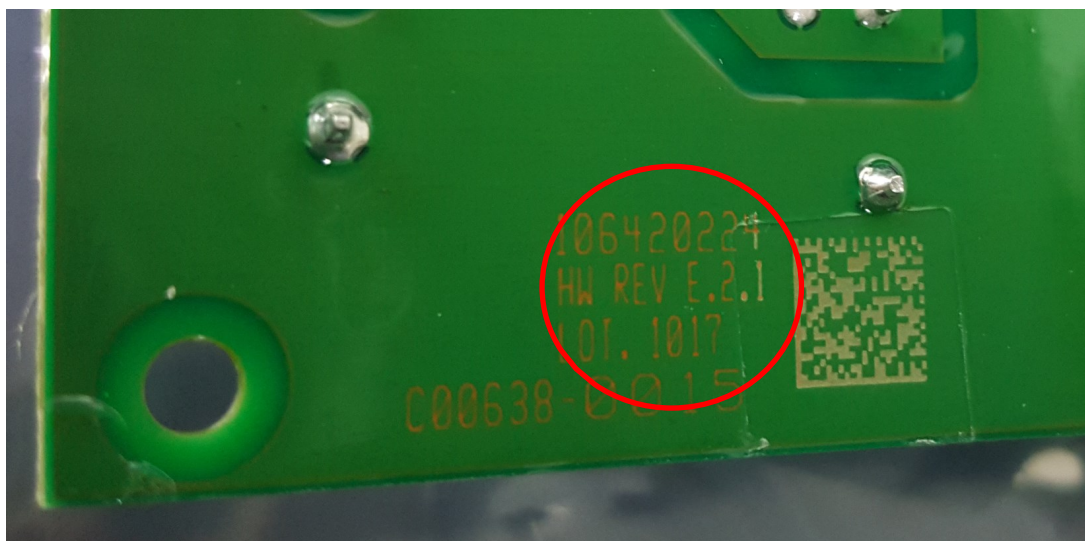
FIELD CORRECTIVE ACTIONS:

Replace the PCB if a failure occurs (fix as fails)

SPARE PARTS or Kits Needed:

9100002260 - CONTROLLER MAIN MACH.P24 PROGR. SIP

COMPONENT LOCATIONS / PICTURES:



Revision change from "E.1.1" to "E.2.1"