



TECHNICAL SERVICE BULLETIN

Number: TSB-FC-2015-044 SC750/800 IC650
Charger Interlock

Symptom: Machine failed to turn on

Date: 30th November 2015

Urgency: General

Author: Aaron Clark

Urgency:

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HIGH: Rework needs to be done immediately

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MEDIUM: Rework needs to be done by next possible occasion

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LOW: Rework to be done if necessary

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GENERAL: General information

SYMPTOM:

The machine will not turn on with the key switch.

PRODUCTS:

All SC750 and SC800 scrubbers.

SYSTEM:

Onboard battery charger and scrub deck actuator.

ISSUE:

The onboard charger's interlock circuit has failed preventing the machine from powering up.

CAUSE:

If deck actuator is drawing excessive current and the actuator is in the lowered position with the batteries disconnected, reconnecting the batteries causes excess current to be sent through the onboard charger interlock circuit. This excess current causes the onboard charger interlock circuit to fail inside the onboard charger preventing the machine from turning on.

ECO / ODM #:

A-11656

PRODUCTION CORRECTIVE ACTIONS:

The main control board firmware was changed to prevent excess current to be sent through the onboard charger interlock circuit eliminating this issue if the above sequence of events should occur.

PRODUCTION SOLUTION IMPLEMENTATION DATE and / or SERIAL NUMBER:

First production machine with new firmware installed on main machine control board as Standard equipment:

Implementation Shipping Date: 12th Nov. 2015

Serial Number: 4000100544



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FIELD CORRECTIVE ACTIONS: (All machines built prior to Serial Number 4000100544

If the charger interlock circuit has failed, please check the amp draw of the actuator installed in the machine to verify the actuator and linkage are functioning normally. Please test the amp draw of the actuator when jumped directly to the battery. It should be drawing between 2 -3 amps when raising and lowering. Pin1 and Pin 2 of the actuator connector are for the motor (FIG.1). Reverse polarity to change direction.



FIG. 1