



Nilfisk

TECHNICAL SERVICE BULLETIN

Number: TSB-FC-2019-027

Symptom: Connector melt issue

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Urgency: **MEDIUM:** Rework to be done on next possible occasion

Before performing any service ensure safety precautions are followed! Disconnect any applicable power systems. Use of a personal grounding strap is strongly recommended when working with any electrical system.

Symptom:	Power connector burn out
Products:	AS380B Clarke380B Fang15B
System:	Electrical System
Related TFR /Prior TSB:	TFR 20190711-003

ISSUE:

Machine inoperable due to the brush motor and/or vacuum motor connector melted or burned out.

CAUSE:

Over-flowed waste water penetrated into the connector and caused the connector to overheat.

PRODUCTION CORRECTIVE ACTIONS:

Replace the brush motor & vacuum motor connector by new sealed/water proof style.
See page3 & 4

PRODUCTION SOLUTION IMPLEMENTATION DATE and/or SERIAL NUMBER:

First production machine with new connector, Serial Number:

No.	model	Serial no
01	FANG15B	FANG15B 004161
02	FANG15B-SSS	PANTHER15B001711
03	20HW28	20HW28 000886
04	CLARKE380B	002820 OctH
05	AS380/15B-EU	EU004736H
06	AS380/15B-EUNB	EUNB001001K
07	AS380/15C-EU	EU003991K
08	AS380/15B-UK	UK001541H
09	AS380/15C-UK	UK001911H
10	AS380/15B-TR	TR001841K
11	AS380/15C-TR	001587
12	AS380B-CAN	CAN001393 14H
13	CLARKE380B-CAN	001297AprH
14	AS380/15B-AU	AU001385H
15	AS380/15C-AU	AU001277H
16	AS380/15B-CN	CN01157H

SOLUTION:

Use a water-proof connector to replace the old connectors.

1) Vacuum motor assembly



Old
VF89309



Old/EU version
VF89309EU



New
VF89341



New/EU version
VF89341EU

2) Brush motor assembly



Old
VF89302



Old/ EU version
VF89302EU



New
VF89342



New EU version
VF89342EU

3) Motor brush and vacuum harness assembly.



Old
VF89026



Old
VF89026-1



New
VF89343



New
VF89343-1

New replacement part and its corresponding machines:

	Motor for EU version P/N	Motor for the US/Canada P/N	Cable Harness P/N	Cable Harness P/N
New part	VF89341EU	VF89341	VF89343	VF89343-1
	VF89342EU	VF89342		
	↓	↓	↓	↓
Machine models in which new parts are used	AS380/15B-AU	20HW28	20HW28	AS380B-CAN
	AS380/15B-EU	AS380/15B-CN	AS380/15B-AU	CLARKE380B
	AS380/15B-EUNB	AS380B-CAN	AS380/15B-CN	CLARKE380B-CAN
	AS380/15B-TR	CLARKE380B	AS380/15B-EU	
	AS380/15B-UK	CLARKE380B-CAN	AS380/15B-EUNB	
		FANG15B	AS380/15B-TR	
		FANG15B-SSS	AS380/15B-UK	
			FANG15B	
			FANG15B-SSS	

FIELD CORRECTIVE ACTIONS:

It is possible to fix the machines in the field with the new connector, by the new parts with following Nr:

SPARE PARTS or KITS NEEDED:

Individual Connector Components:



VF85450A

Male connector VF85450A include:

- 1.housing
- 2.Male terminal
- 3.Seal block
4. Gasket



VF85450C

Female connector VF85450C include:

1. Housing
2. Female terminal
3. Seal block
4. Gasket