

## **TECHNICAL SERVICE BULLETIN**

TSB-001-2016-008

Subject: handle adjusting gear improvement Date: Oct/18/2016

**ECN No.:** 

SITUATION INVOLVED MACHINES: AS380B, AS380C

ISSUE:

Dir-casting gears for handle adjustment were breaking

SYMPTOM:

Small teeth were broken and removed.

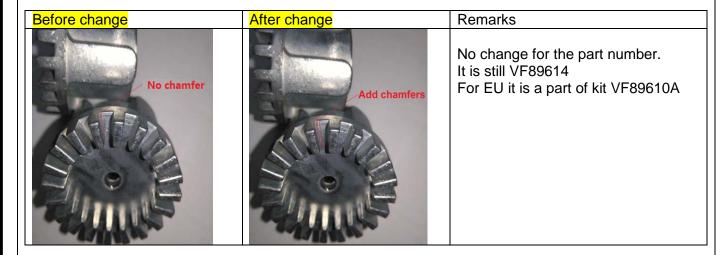
CAUSE:

Design issue. There are no chamfers on the lower edges of the gear teeth.

## **CORRECTIVE ACTIONS:**

#### SOLUTION:

To make the teeth stronger, we have added chamfers to every lower edge of the gear teeth.





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#### **INVOLVED MACHINES:**

Machines produced after Oct/15/2016 have been improved the handle adjusting gears.

Machines after serial number have been improved the handle	
adjusting gears.	
FANG15B	FANG15B003522
FANG15C	FANG15C001154F
AS380B-EU	EU003212F
AS380C-EU	EU002660F
AS380B-UK	UK001433F
AS380C-UK	UK001592F
AS380B-TR	TR001666F
AS380C-TR	TR001358F
AS380B-CAN	1261
CLARK380B	1825
AS380B-AU	AU001124F
AS380C-AU	AU001078F
Triple S 86008 / PANTHER 15B	1529
DAYTON 20HW28	671

#### **SPARE PARTS:**

See the previous page.

## **ACTION:**

N/A

### ATTENTION:

N/A

Yours faithfully, VIPER Cleaning Equipment Co., Ltd. Tommy Lin Service Manager