

SB Number:	SB AS-110	Issue Date: 13/01/2003
Subject:	Unusual noise / drive malfunction (deformed drive gear pin)	
Model:	F-4130 / 3130 / 4330 / 4430 / 4730, DF-35 / DF-71E	

F-4130:	Vi-400 / 500, KM-4230 / 5230, KM-6230
F-3130:	Vi-230 / 310
F-4330 / 4730:	KM-6230
F-4430:	KM-2530 / 3530 / 4030
DF-71E:	KM-2530 / 3530 / 4030, FS-9100DN, FS-9500DN
DF-35:	KM-C830 / C830D

Phenomenon

An unusual noise may be heard or a drive malfunction may occur.

Cause

The resin part of the 'Turn Plate, Drive Shift' (P/N: 3AK22320) may become deformed, causing one drive pin to incline (oblique angle). See **Fig. 1 & 2**.

The 'Gear 13, Partition Joint' (P/N: 18314040) causes the temperature of the pin to increase because of its rapid revolution speed. As a result, the strength of the resin part reduces and the pin may incline.

Field Measure

If the grease between the gear and the pin dries up or if there is no grease applied at all, the temperature of the pin may increase extremely and causes the resin part to become deformed. Therefore please apply grease to that area as a field measure, as follows.

- Please apply high temperature grease (temp 1 grease) during a preventive maintenance visit.
- In addition, please apply grease when the gear (P/N: 18314040) has been replaced.
- Also apply the grease to each pin to a maximum volume of a 4 mm. binding screw head (see **Fig. 3**)

Fig. 1 / Fig. 2

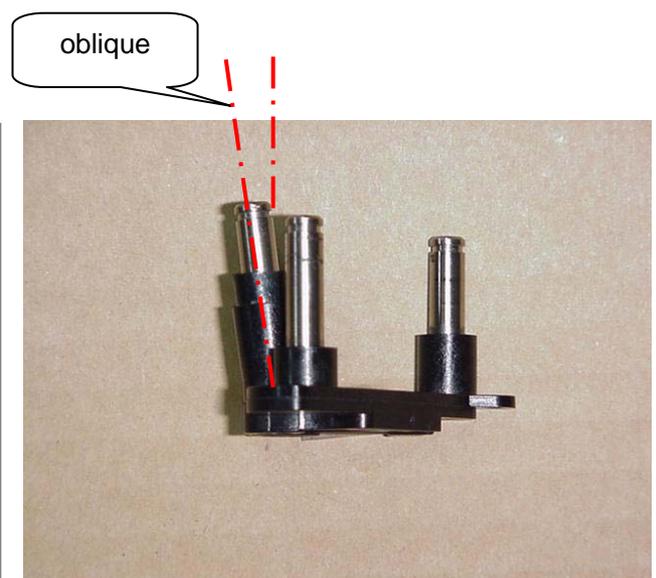
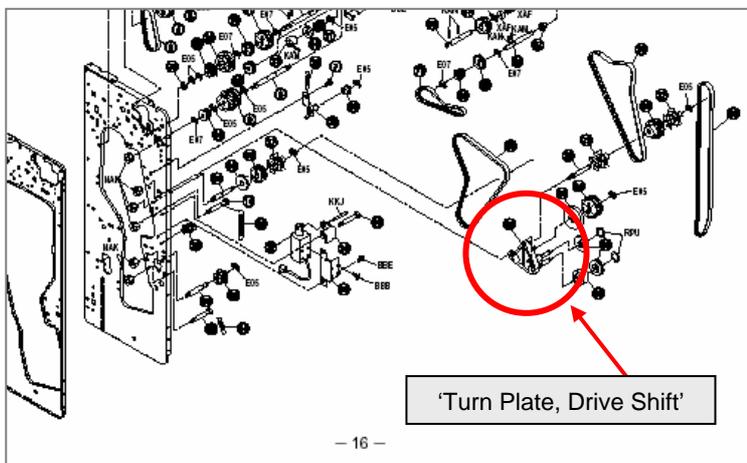


Fig. 3

Apply high temp. grease.



Permanent Measure

The material of the 'TURN PLATE, DRIVE SHIFT' has been changed to a heat- resistant type of resin. Please mind however to apply grease to this new part as well as described as field measure.

Material change of resin:

OLD ABS glass 10% (**black**) → **NEW** PC glass 30% (**green**)

Parts Table

No	Part No. OLD	Part No. NEW	Description	Q'ty		Interchange-ability	
				old	new	X	O
1	3AK22320	3AK22321	TURN PLATE, DRIVE SHIFT	1	1	X	O

Affected Machine Serial Numbers permanent measure:
F-4130 / 3130 / 4330 / 4430 / 4730, DF-35 / DF-71E: production of September, 2002 and later