

# Service Bulletin

Ref. No. **2KT-0018 (C341)**

&lt;Date&gt; January 8, 2013

<b>Subject</b>	<b>Change of Engagement Mechanism of the Drive Section (Measures against Abnormal Noise)</b>
<b>Model</b>	<b>FS-C5150DN, FS-C5250DN, FS-C2026MFP, FS-C2126MFP, FS-C2026MFP+, FS-C2126MFP+, FS-C2526MFP, FS-C2626MFP</b>

<b>KDC's Classification</b>	<input type="checkbox"/> Entire Stock Rework <input checked="" type="checkbox"/> In-Field modification by case	<input type="checkbox"/> In-Field modification at next visit <input type="checkbox"/> No modification necessary
<b>Field Measure:</b>	Please replace DR-590B with the new one (No.1 or No.2) when the phenomenon described below occurs.	
<b>Serial Nos. of the Affected Machines:</b>	Please refer to the following.	

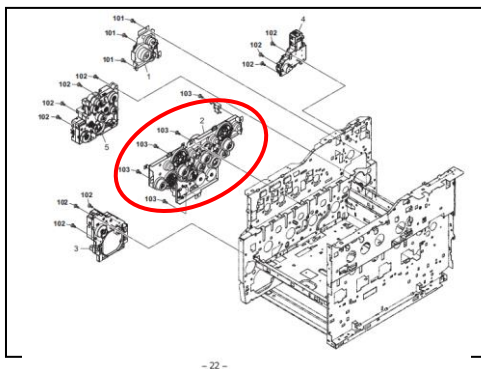
## Topic

In a rare case, if the ribs of the joint gears contact each other when switching to the full-color mode (when engaging the gears), the worm gear might skip the teeth of its opposite gear **Z** due to the excessive loads applied to the developer drive gears engagement mechanism when the engagement operation momentarily stops, which might cause some abnormal noise. As the countermeasures, the shape of the joint gears was changed as follows in order to reduce the loads applied at gear engagement.

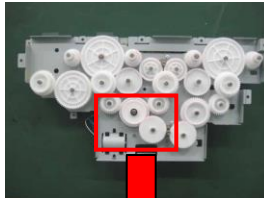
## Content of Changes

The rib shapes at the engagement side of the joint gears (**X**, **Y**) of the drum/developer drive unit (DR-590B) were partly cut in order to avoid the contact with their surface.

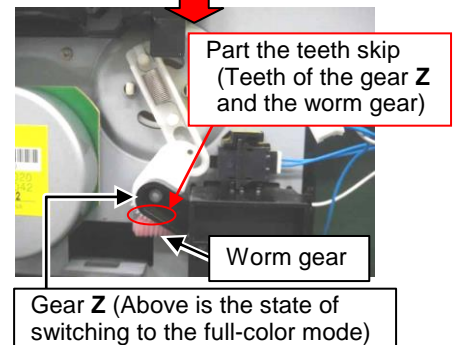
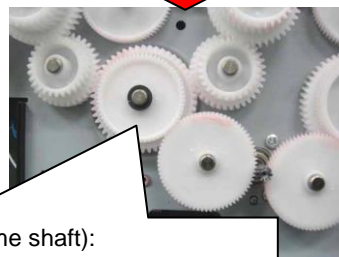
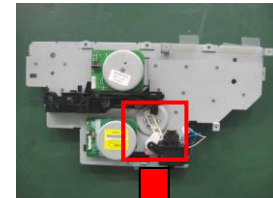
[DR-590B] (Unit circled in red line)



DR-590B: Gear's side



DR-590B: Motor's side



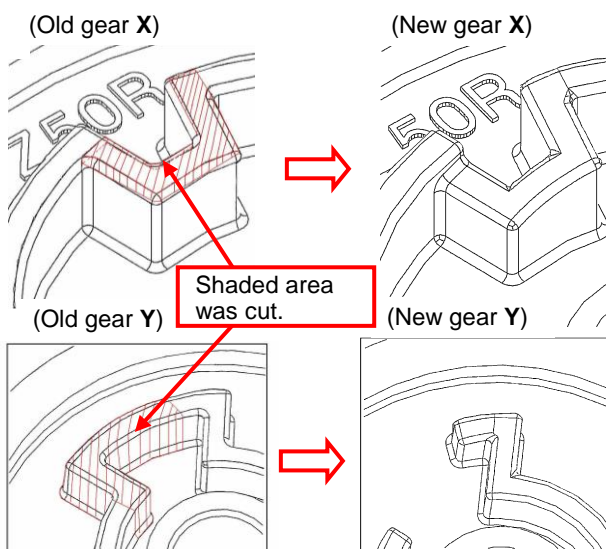
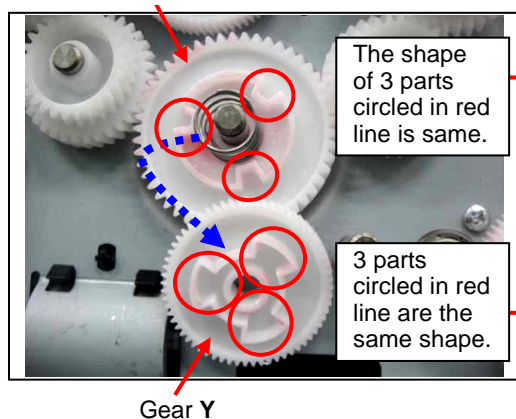
Joint gears (**X** and **Y** are inserted into the same shaft):  
 By switching the gear **Z** by the worm gear when switching to full-color mode, the gear **X** is shifted to thrust direction to engage the gear **Y** or to release.  
 (B/W mode: Gear **X** and **Y** released, Full-color mode: Gear engaged)

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<Joining gears: Below is when the removed gear Y is turned over so that its joining side is visible.>



No.	Old Part No.	New Part No.	Description	Q'ty		Compati-bi lity		Remarks
				Old	New	Old	New	
1	302KV93100 2KV93100	302KV93101 2KV93101	DR-590B	1	1	X	O	Except KDKR

## Serial Nos. of the Affected Machines

Model Name	Item No.	Destination	Affected Ser. No.
FS-C5150DN	1102KT3NL0	KDE	Q522Y42294
	1102KT3UT0	UTAX/TA	Q862Y03013
	1102KT3LV0	Olivetti	NHT2Y00868
FS-C5250DN	1102KV3NL0	KDE	Q562Y35664
	1102KV3UT0	UTAX/TA	Q872Y04924
		Olivetti	

Model Name	Item No.	Destination	Affected Serial No.
FS-C2026MFP	-----	ALL	No production
FS-C2126MFP	-----	ALL	No production
FS-C2026MFP+	1102MA3NL0	KDE	NN52Y06944
	1102MA3UT0	UTAX/TA	NNW2Y01455
	1102MA3LV0	Olivetti	NQB2Y00429
FS-C2126MFP+	1102MB3NL0	KDE	NN92Y18124
	1102MB3UT0	UTAX/TA	NNX2Y06172
	1102MB3LV0	Olivetti	NQC2Y00867
FS-C2526MFP	1102M83NL0	KDE	Next production
	1102M83UT0	UTAX/TA	NNU2Y00356
	1102M83LV0	Olivetti	Next production
FS-C2626MFP	1102M93NL0	KDE	NN12Y05984
	1102M93UT0	UTAX/TA	NNV2Y01982
	1102M93LV0	Olivetti	Next production