

# SERVICE INFORMATION

ROLAND DG CORPORATION / SERVICE DEPT.

TO ENGINEERS :

MODEL :

**MDX-650**

SUBJECT :

**Spindle lock and Abnormal noise  
(Change in Flange shape)**

**SYMPTOM:**

When material such as coolite is cut, the following problems may occur within life time of 5000h.

1. Abnormal noise is produced.
2. Message [EMERGENCY STOP MOTORLOCK] is displayed.
3. When the spindle is rotated by hand, it is heavier than when the normal spindle is rotated.

**CAUSE:**

Little milled dust has stuck to the spindle and melted in the heat of the rotating spindle and then flew to the bearing.

**SOLUTION:**

The bore diameter of the flange has been changed to prevent milled dust from collecting between the flange and the spindle.

**PARTS:**

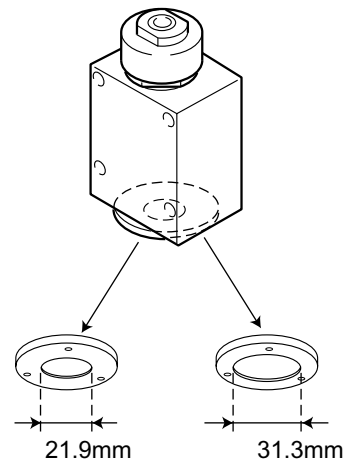
Parts No. 21995116-01

Parts Name: FLANGE, SPINDLE(T) ZS-500T

We will supply only the new parts.

**SERVICING IN JAPAN:**

For users who use material such as coolite, replace the flange when you visit your customers or the above problems occur.



**Current FLANGE**

Parts No. 21995116-00

Parts Name: FLANGE,  
SPINDLE(T) ZS-500T

**New FLANGE**

Parts No. 21995116-01

Parts Name: FLANGE,  
SPINDLE(T) ZS-500T

**SERIAL NUMBER:**

The new flange has been installed in machines with the following numbers.

ZS-650T: Z\*\*0321 and above

ZS-650TY: Z\*\*0385 and above

Revision No.	Date	Description of Changes	Approval	Issued by
0	04.1.20	First Edition	Inagaki	Sugiura