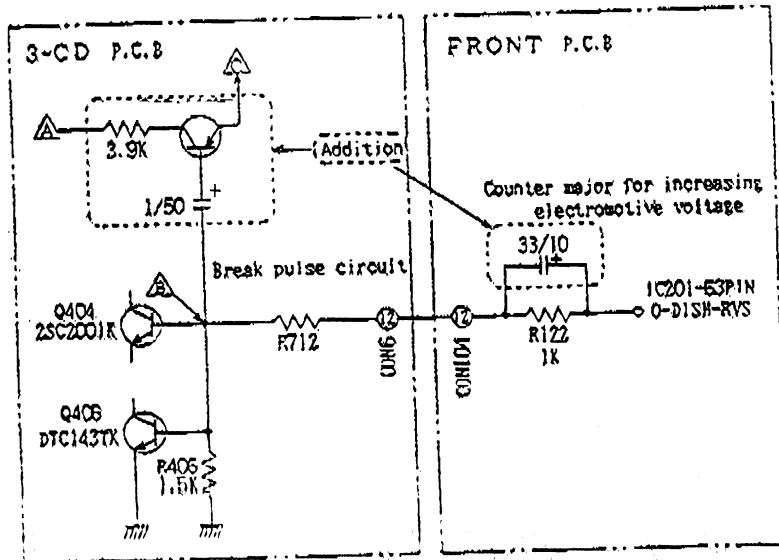


This modification is for reference only. This takes too long to install.  
Simply place a 5 k pot from Q404 base to ground and adjust it for proper back torque.  
Remove the pot, measure resistance - usually 1.5 k to 3.3k  
and install 1/4 watt resistor.

## SERVICE TECHNICAL INFORMATION

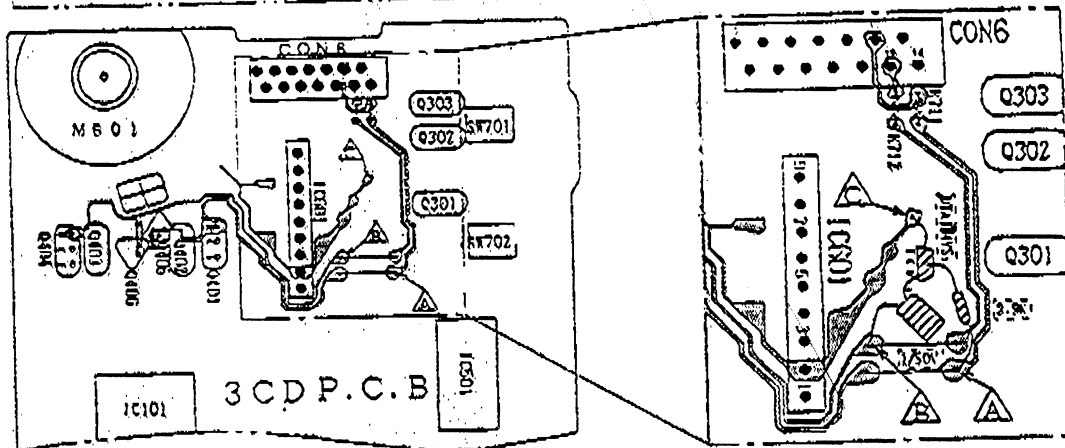
### ONE POINT REPAIR

- MODEL :** 4ZG-1 (New 3-CD Changer Mechanism)  
**SUBJECT :** Turn table does not stop in the normal position.  
**SYMPTOM :** The turn table does not stop in the normal chucking position. The turn table stops before and beyond the normal position.  
**REMEDY :** Increase the electromotive voltage for the turn table reverse, and add a break pulse.  
 Add a transistor, a resistor, and an electrolytic capacitor as shown in the diagram below.



The addition of parts ① ~ ③ will serve as a break pulse circuit to prevent the turn table from returning too far.

The addition of the electrolytic capacitor ④ is a measure to raise the reverse electromotive voltage in order to return the turn table when it has rotated beyond the chucking position.



	Part Name	Part No.
①	DTA-114YS	87-026-214-080
②	Resistor 3.9K 1/8W	88-121-392-080
③	Electrolytic Capacitor 1/50V	87-015-695-080

	Part Name	Part No.
④	Electrolytic Capacitor 33/10V	87-010-551-040

## SERVICE TECHNICAL INFORMATION

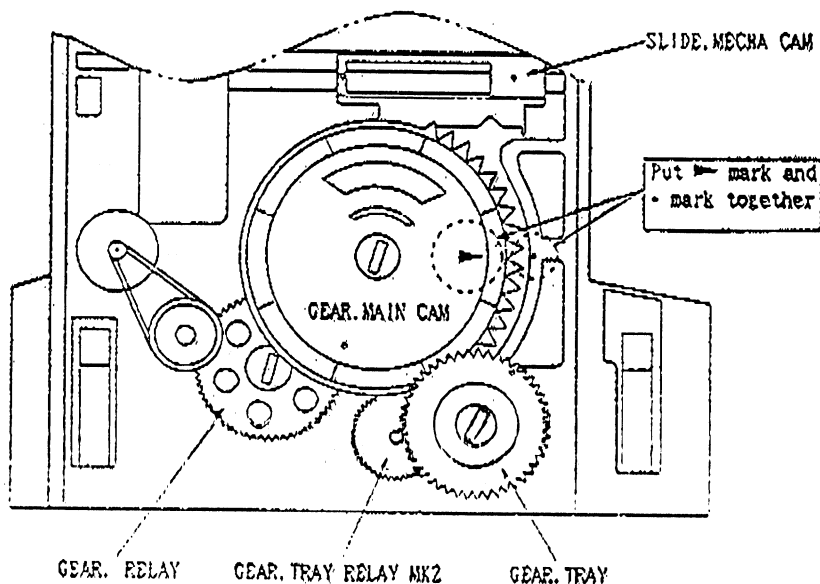
### ONE POINT REPAIR

MODEL : 4ZG-1 (New 3-CD Changer Mechanism)  
SUBJECT : Gear, Main Cam phase alignment for the new mechanism of the 3-CD Changer

#### How to Align the Gear, Main Cam Phase

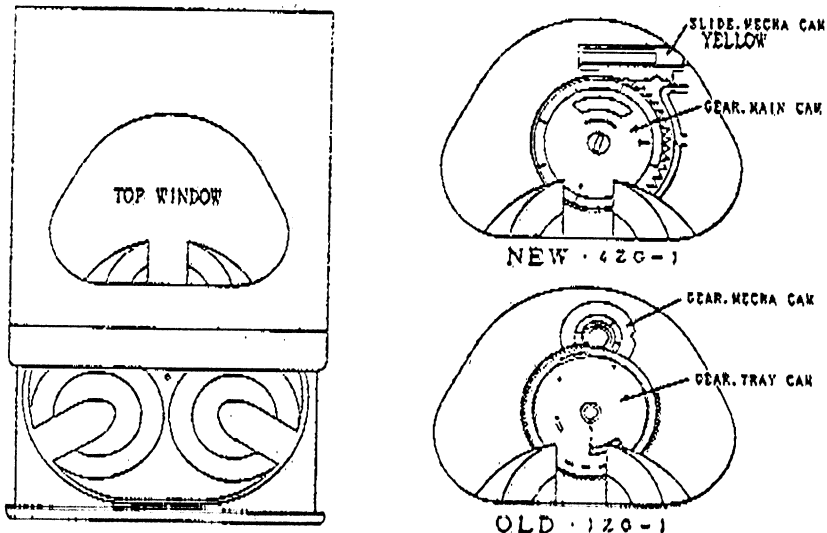
- 1) Press the bottom side of the CHAS, MECHA hook and remove the TRAY.
- 2) Align the arrow mark on the GEAR, MAIN CAM with the mark on the CHAS, MECHA as shown in the diagram below.
- 3) Confirm that the SLIDE, MECHA CAM is on the right side and then slowly push in the TRAY.

**Note:** Tray and chucking malfunctions will occur if the GEAR, MAIN CAM phase slips.

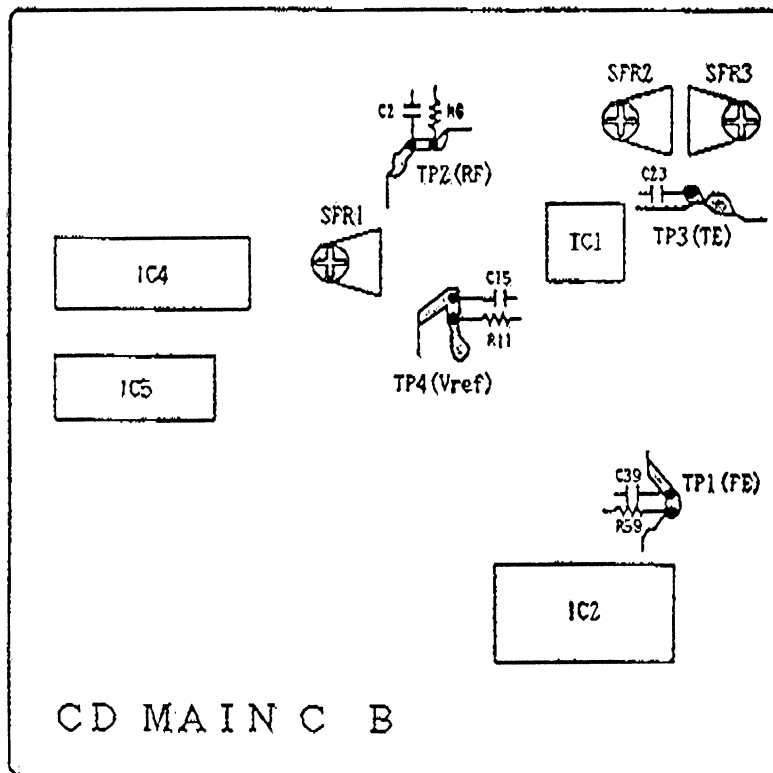


#### How to Distinguish New and Previous Mechanisms

After opening the tray, distinction can be made from the top window as shown in the diagram below.



# ADJUSTING



## 1. Focus Offset Adjustment

- 1) Connect the test points TP1 (FE) and TP4 (Vref) to the oscilloscope. Be sure that TP1 is connected to the plus (+) sign of the oscilloscope and TP4 is connected to the minus (-) sign.
- 2) Turn on the CD unit.
- 3) Use VR3 (SFR3) to adjust the offset level to  $\pm 0\text{mV}$  against Vref.

2. Focus Bias (Focus Balance) Adjustment                      TP2 (RF)    TP4 (Vref)    SFR1

3. Radial Balance (Tracking Balance) Adjustment              TP3 (TE)    TP4 (Vref)    SFR2

Procedures 2 and 3 above have not been modified.