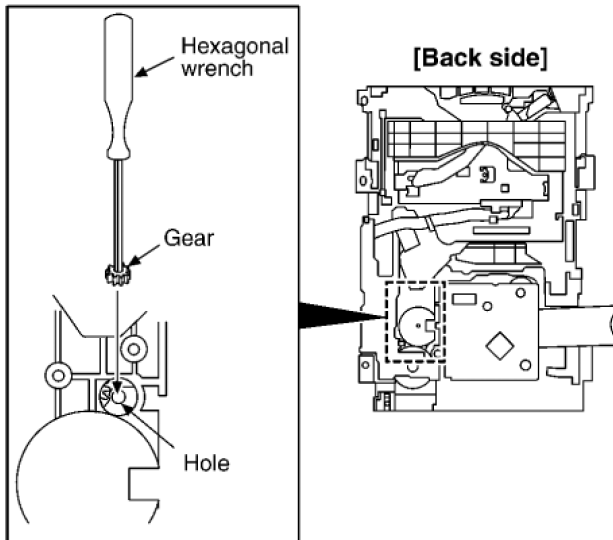


9.13. CD Mechanism Main Component Replacement Procedures

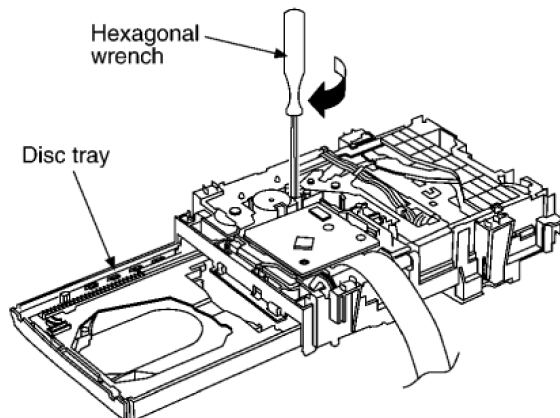
- Follow the (Step 1) - (Step 2) of Item 9.3 - Disassembly of Top Cabinet
- Follow the (Step 1) - (Step 6) of Item 9.4 - Disassembly of CD Lid
- Follow the (Step 1) - (Step 6) of Item 9.6 - Disassembly of CD Mechanism Unit

9.13.1. Replacement of the Traverse Deck

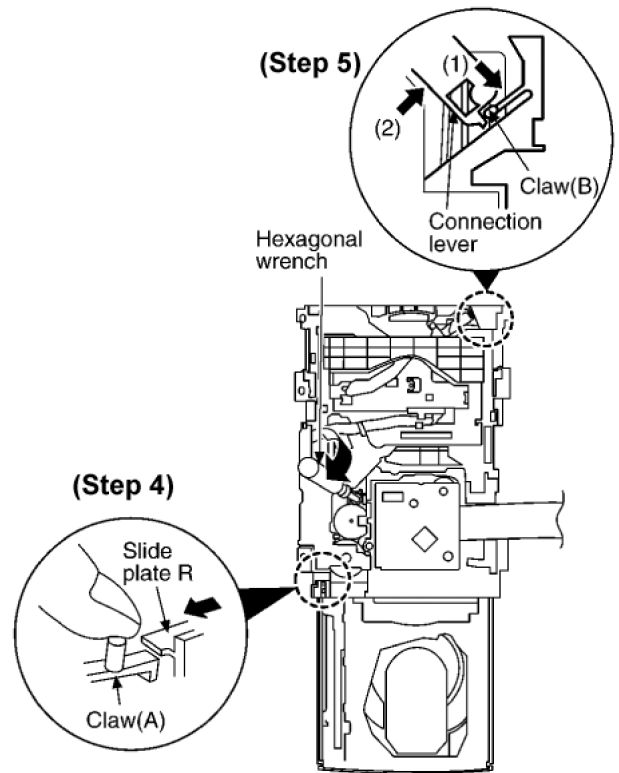
Step 1 Remove the CD changer unit.



Step 2 Insert the gear with hexagonal wrench into the hole.

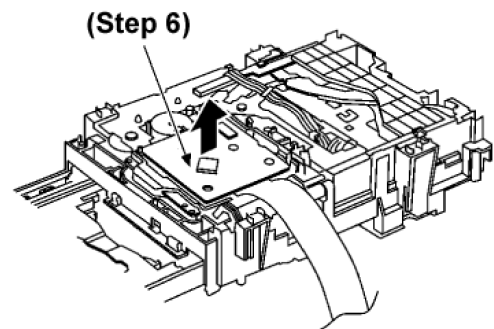


Step 3 Rotate the hexagonal wrench in the direction of arrow (clockwise), and then open the disc tray fully.

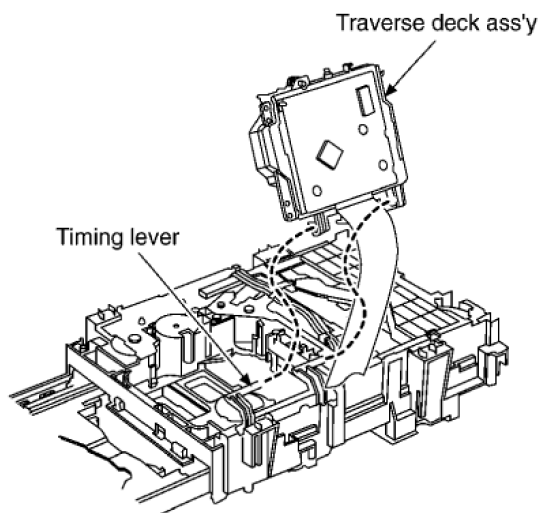


Step 4 With pressing the claw (A), rotate the hexagonal wrench clockwise. (The slide plate R moves for a little amount.)

Step 5 Pressing the claw (B) in the direction of arrow (1), the connection lever moves in the direction of arrow (2).



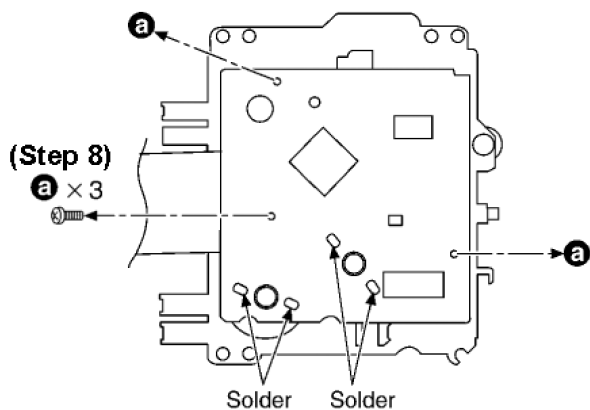
Step 6 Lift up the traverse deck ass'y.



Step 7 Remove the traverse deck ass'y from the timing lever.

Caution:

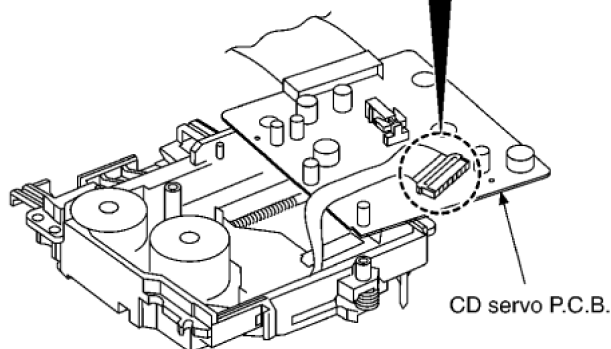
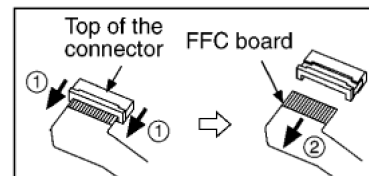
When removing or inserting the traverse deck avoid touching the OPU lens and pressing onto the turntable.



Step 8 Remove 3 screws.

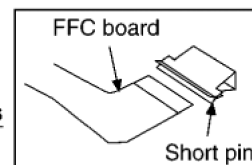
Step 9 Unsolder the motor terminals (4 points).

(Step 10)

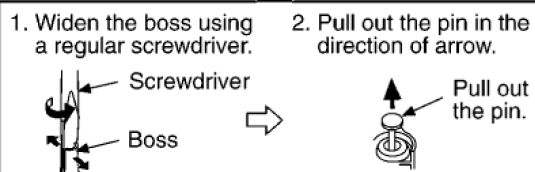
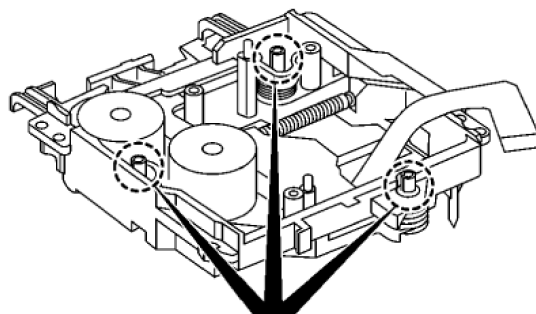


Caution:

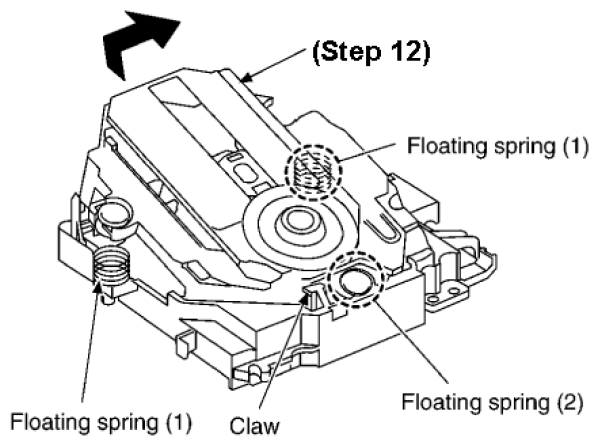
Insert a short pin into the traverse unit FFC board.
(Refer to "Handling Precautions for Traverse Deck".)



Step 10 Remove the FFC board from the connector, and then remove the CD Servo P.C.B.



Step 11 Remove the pin.



Step 12 Release the claw, and then remove the traverse deck ass'y.

Note:

Be careful not to lose the 3 floating spring because those will also be removed on removal of the traverse deck ass'y.

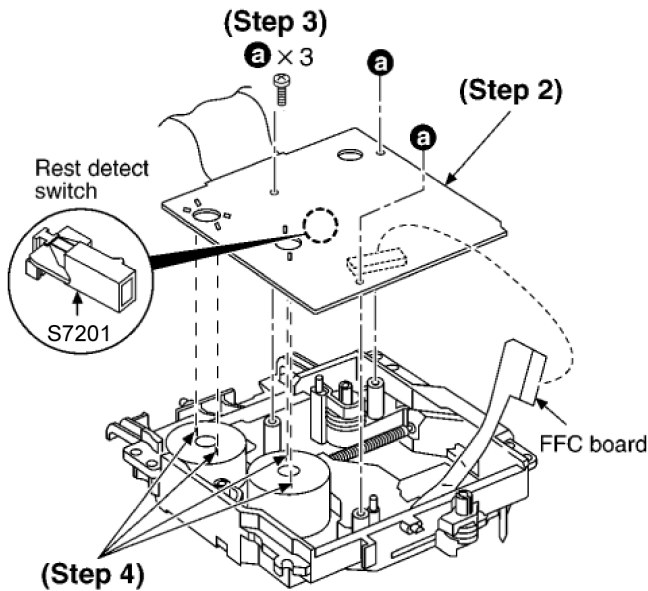
· **Installation of the CD Servo P.C.B. after replacement**

Step 1 Connect the FFC board.

Step 2 Install the CD servo P.C.B. in the traverse deck ass'y.

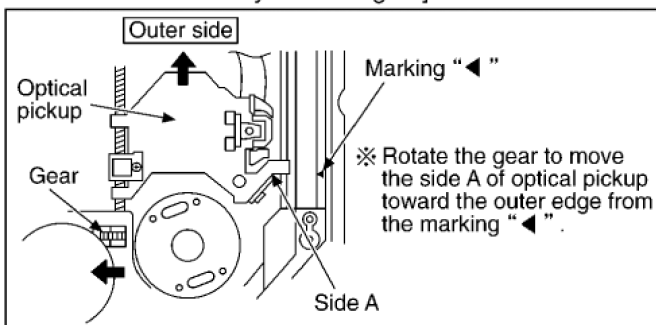
Step 3 Remove 3 screws.

Step 4 Solder.

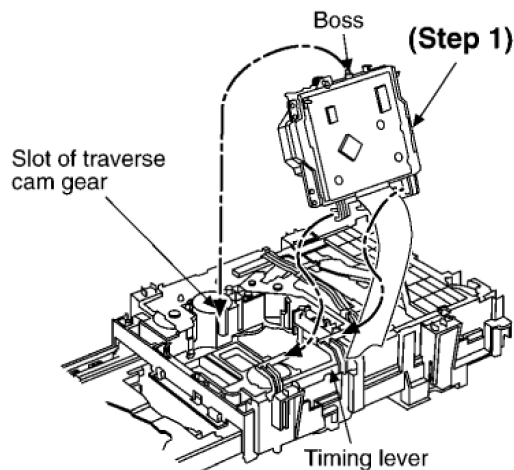


· **Note for installation of the CD servo P.C.B.**

Before installing the CD servo P.C.B., move the optical pickup toward the outer edge from the mark "◀".
[Otherwise, the rest detect switch (S7201) mounted on the CD servo P.C.B. may be damaged.]

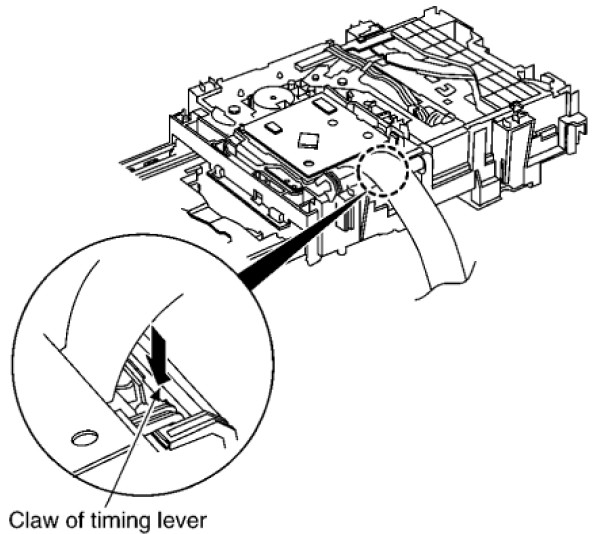


· **Installation for traverse deck ass'y**

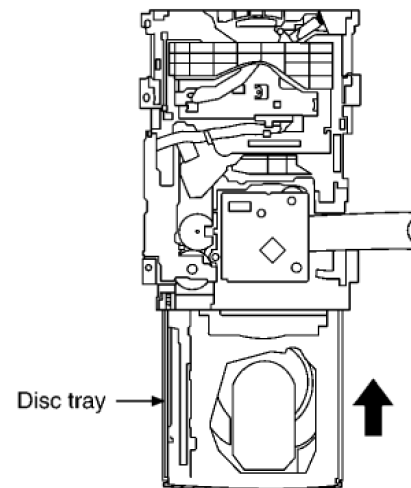


Step 1 Install the traverse deck ass'y to the timing lever.

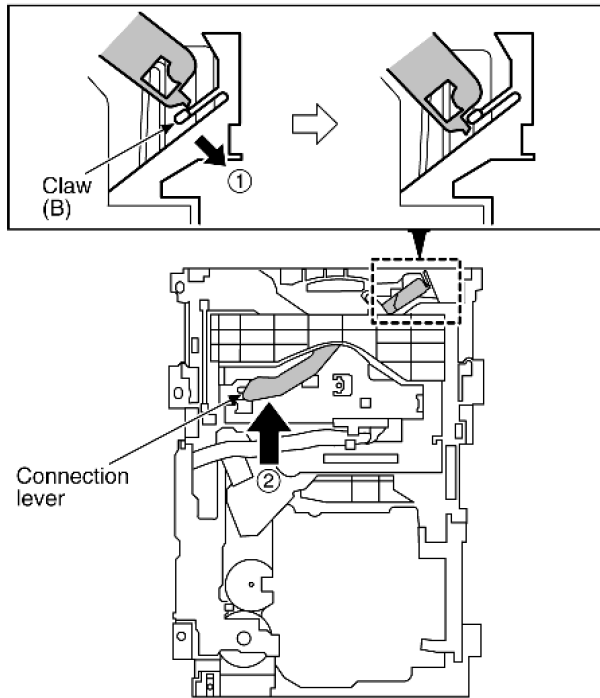
Step 2 Align the boss of traverse deck ass'y with the slot of traverse cam gear.



Step 3 Force the claw of timing lever.



Step 4 Force the disc tray fully.



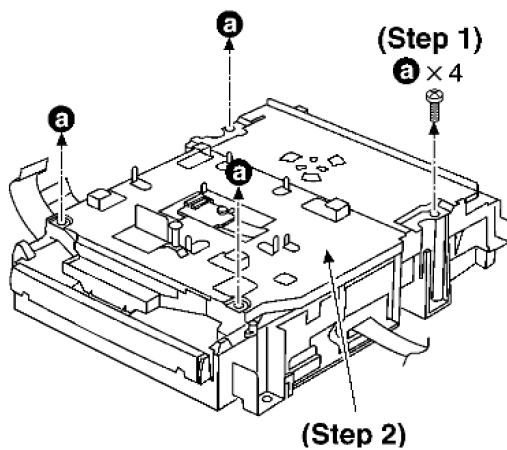
Step 5 With pressing the claw (B) in the direction of arrow (1), force the connection lever in the direction of arrow (2).

9.13.2. Replacement for the Disc Tray

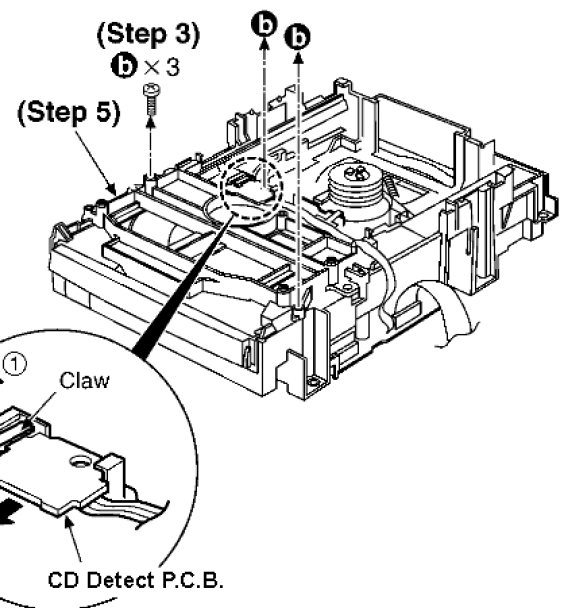
Step 1 Remove 4 screws.

Step 2 Remove the upper plate.

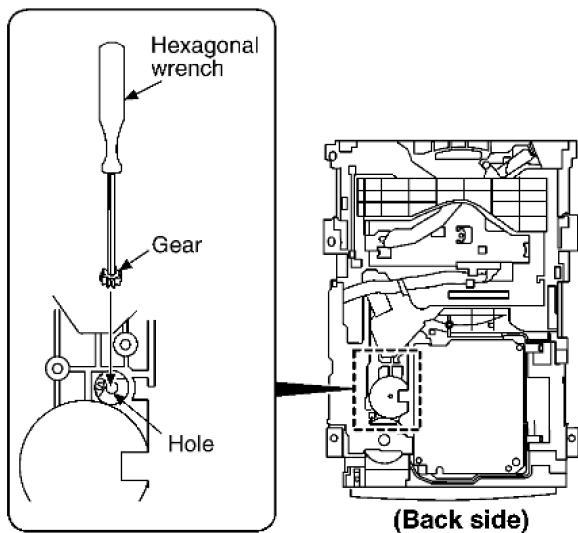
Step 3 Remove 3 screws.



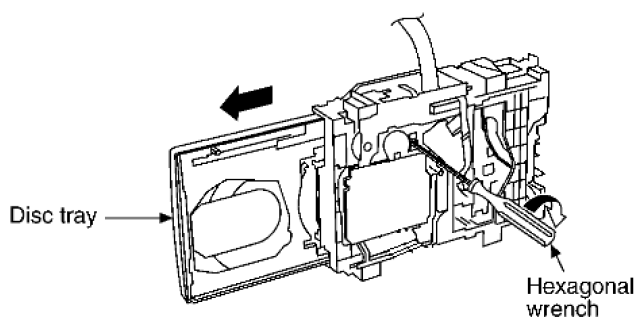
Step 4 With lifting the claw in the direction of (1), draw the CD Detect P.C.B. in the direction of arrow (2).



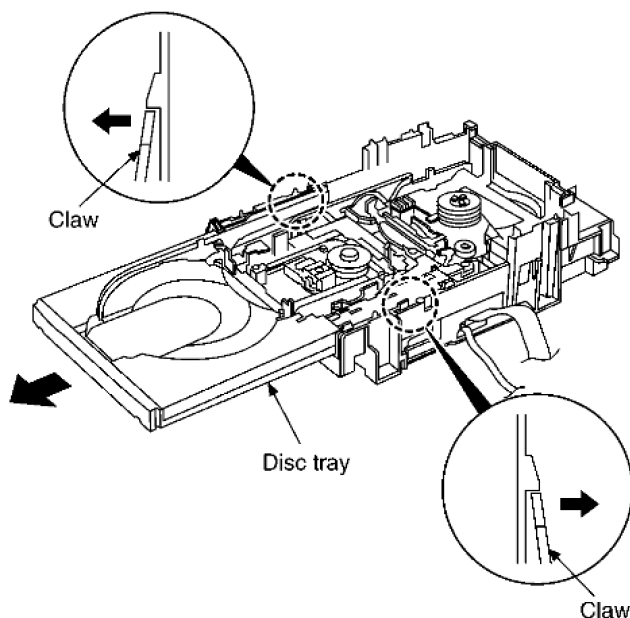
Step 5 Remove the mechanism cover.



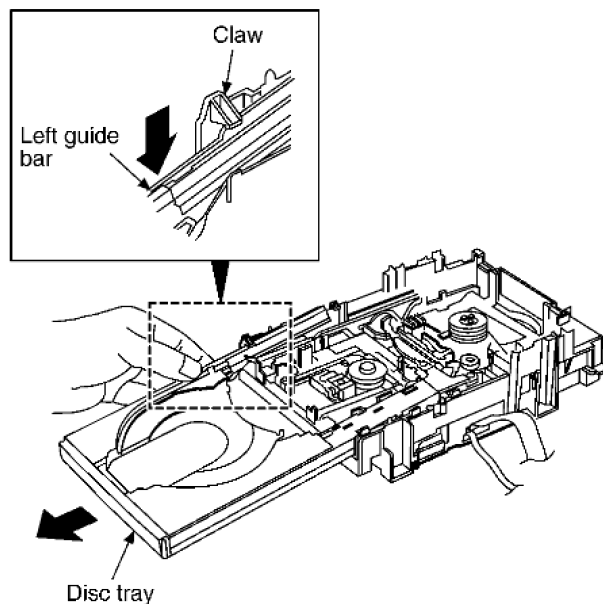
Step 6 Insert the gear with hexagonal wrench into the hole.



Step 7 Rotate the hexagonal wrench in the direction of arrow, and then open the disc tray fully.

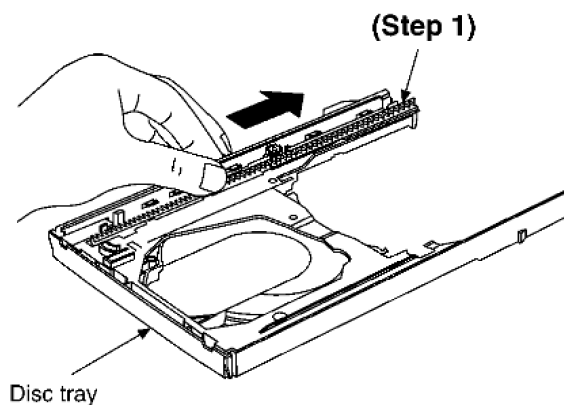


Step 8 Release the both claws, and then draw the disc tray.

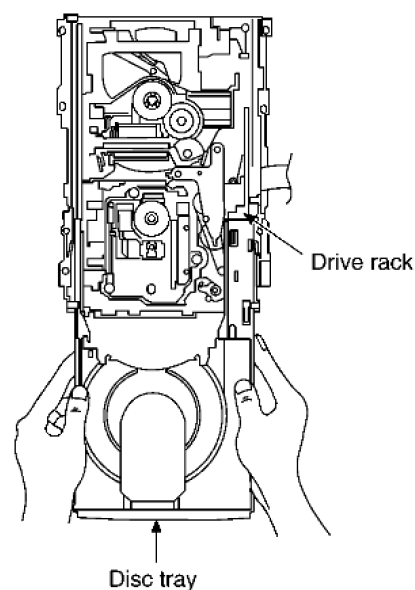


Step 9 With forcing the left guide bar manually because the left guide bar interferes with claw, draw the disc tray.

[Installation of the disc tray after replacement]

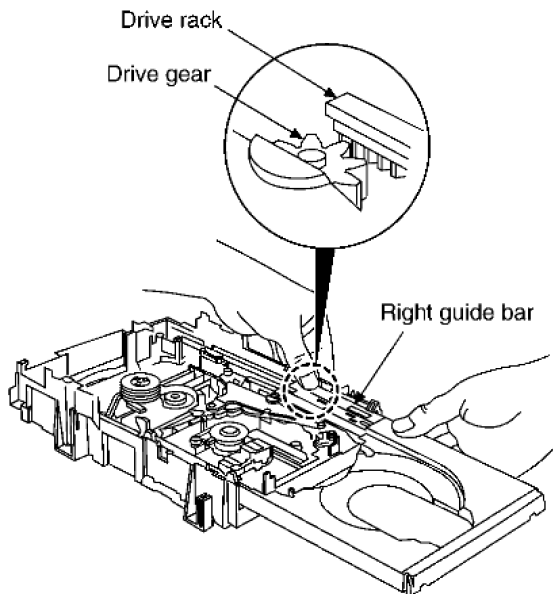


Step 1 Slide the drive rack fully in the direction of arrow.

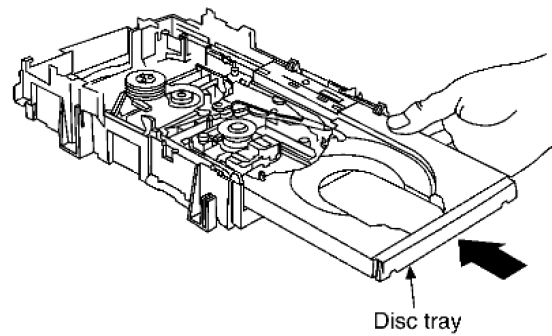


Step 2 Holding the drive rack not to move, install the disc tray.

Step 3 Align the drive rack with the drive gear.

**NOTE:**

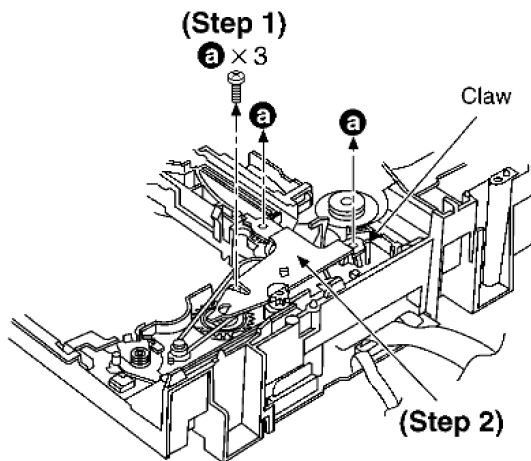
Force the right guide bar of tray base manually not to move upwards.



Step 4 Holding the disc tray manually, push the disc tray in the direction of the arrow.

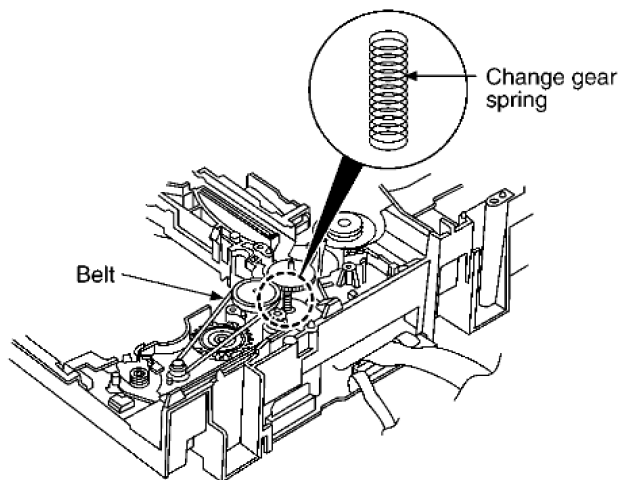
9.13.3. Disassembly and reassembly for mechanism base drive unit

Step 1 Remove 3 screws.



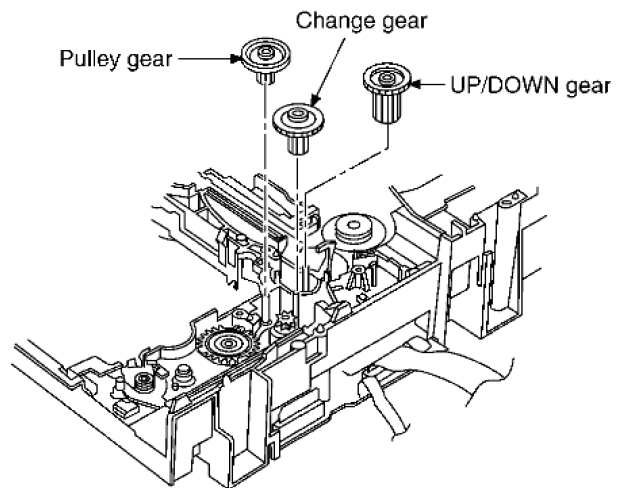
Step 2 Release the claw, and then remove the gear holder.

Step 3 Remove the belt and change gear spring.

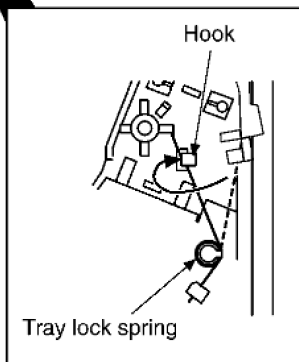
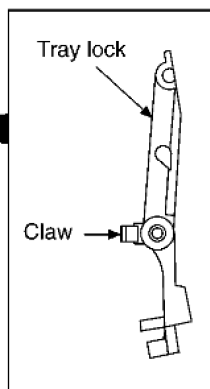
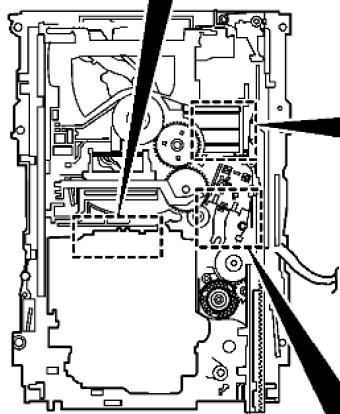
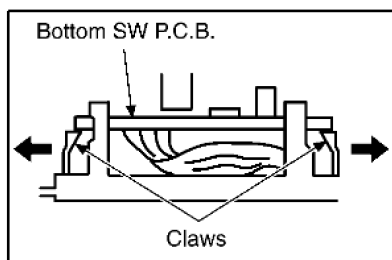
**NOTE:**

Take care not to lose the change gear spring.

Step 4 Remove the pulley gear, change gear and UP/DOWN gear.



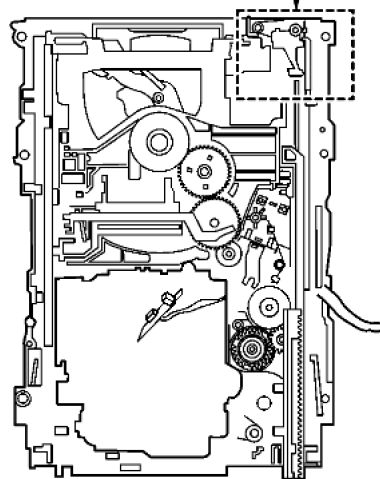
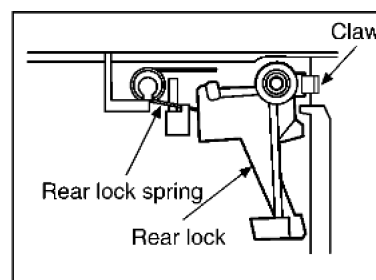
Step 5 Release the 2 claws, and then remove the bottom SW P.C.B..



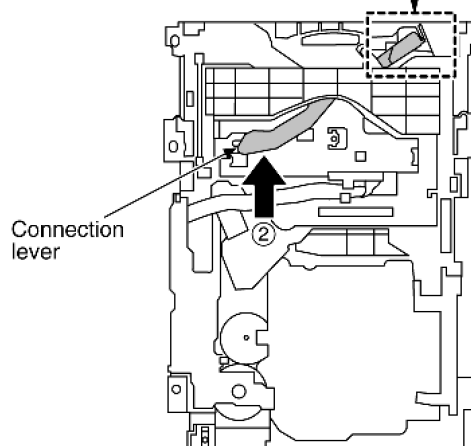
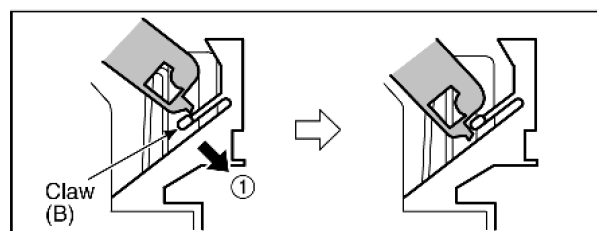
Step 6 Install the tray lock spring to hook temporary.

Step 7 Release the claw, and then remove the tray lock.

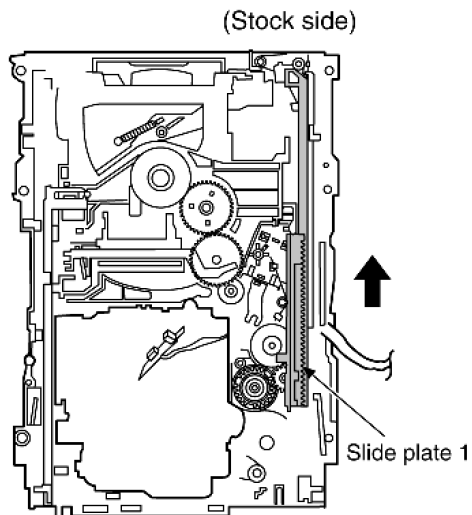
Step 8 Release the claw, and then remove the rear lock.



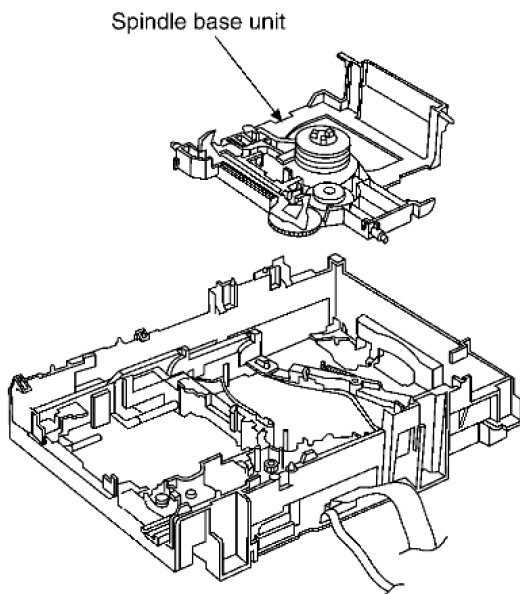
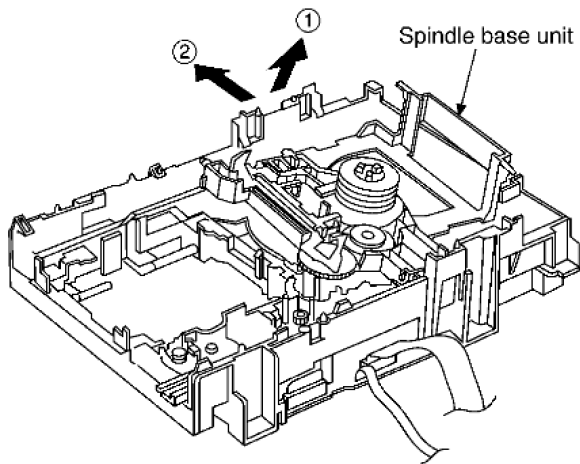
Step 9 Pressing the claw (B) in the direction of arrow (1), force the connection lever in the direction of arrow (2).



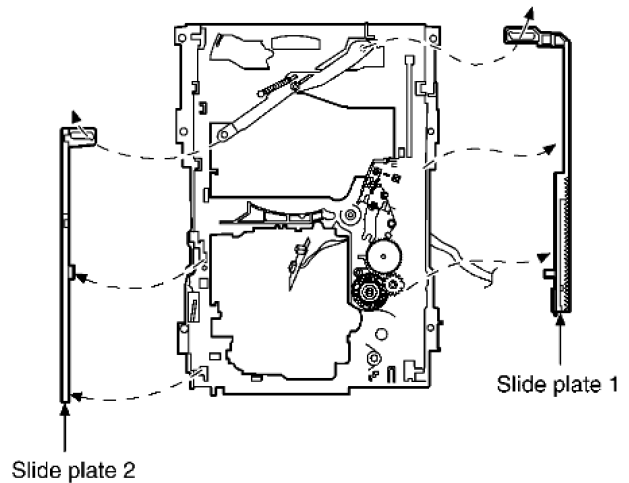
Step 10 Move the slide plate 1 to the end of stock side.



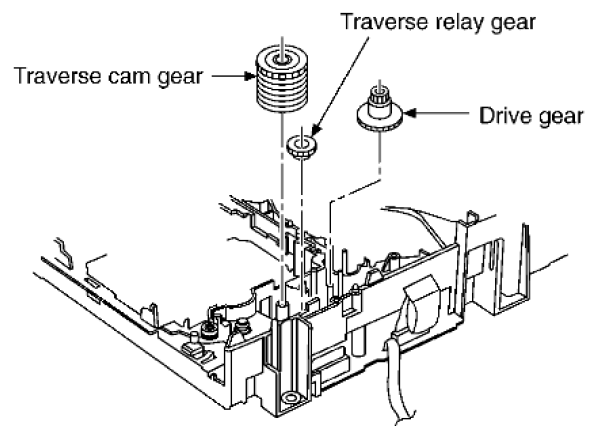
Step 11 Lift up the left end of spindle base unit in the direction of arrow (1), and then remove the unit in the direction of arrow (2).



Step 12 Remove slide plate 1 and slide plate 2.

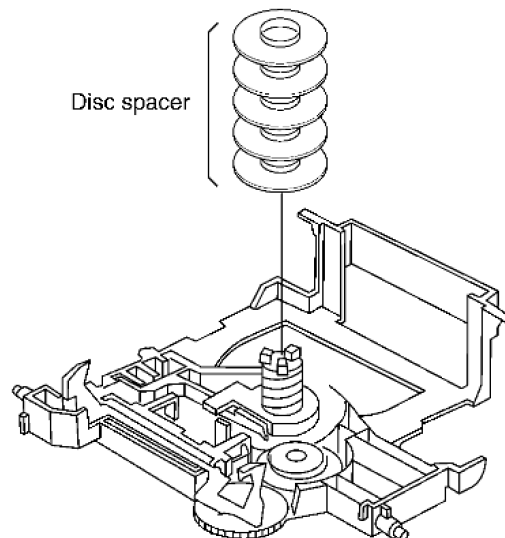


Step 13 Remove the traverse relay gear, traverse cam gear and drive gear.

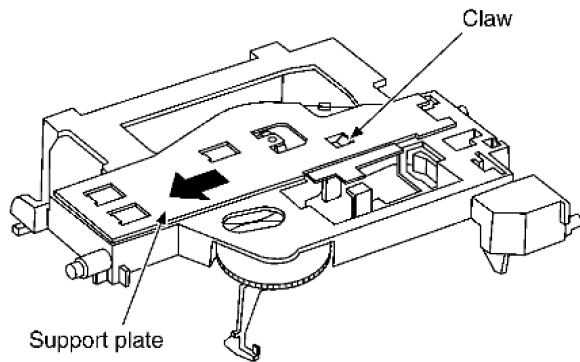


[Disassembly/reassembly for the spindle base unit]

Step 1 Draw the 5 disc spacers.

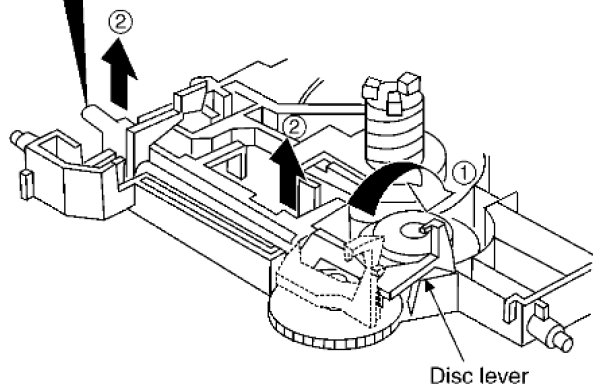
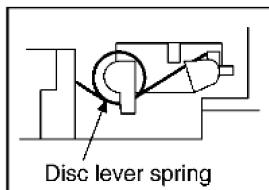


Step 2 Pushing the claw, slide the support plate in the direction of arrow, and then remove it.



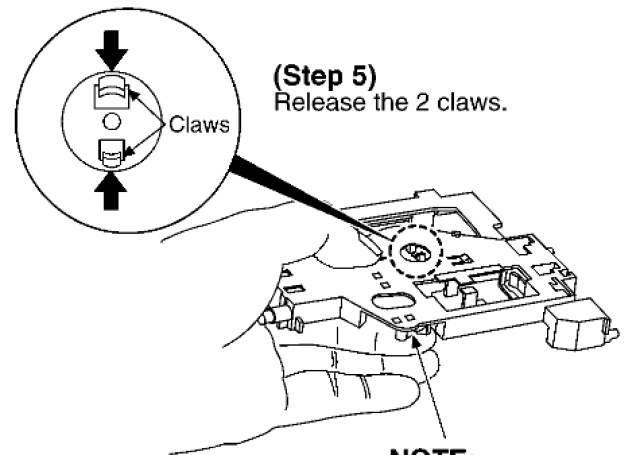
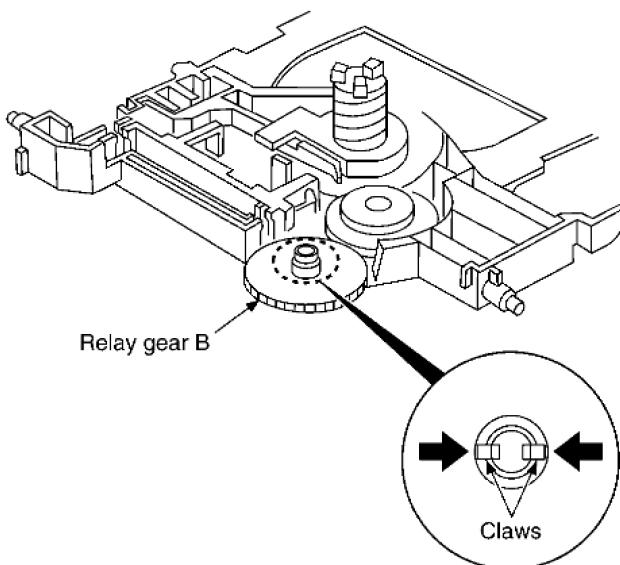
Step 3 Rotate the disc lever in the direction of arrow (1), draw the disc lever.

(Installation for disc lever spring)



NOTE:

Take care not to lose the disc lever spring.

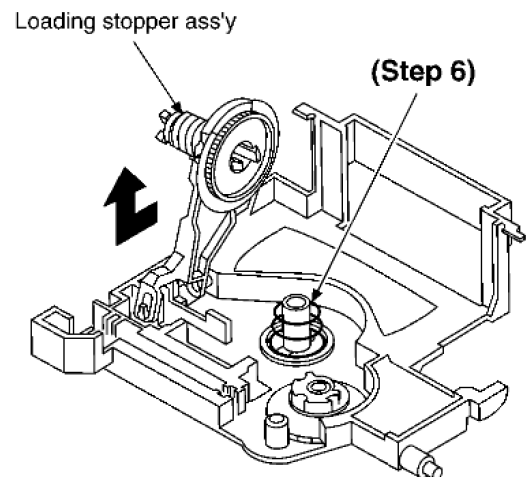


(Step 5)
Release the 2 claws.

NOTE:
Hold the loading stopper
ass'y manually because
it is flipped by spring.

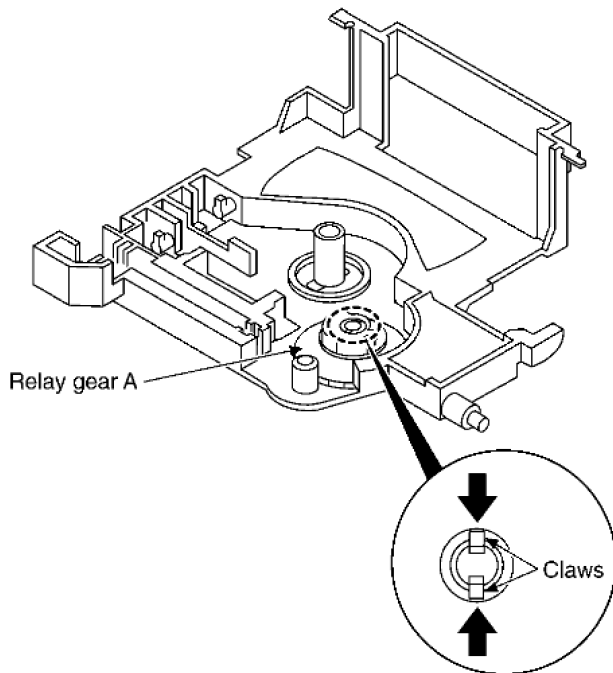
NOTE:

Hold the loading stopper ass'y manually because it is flipped by spring.



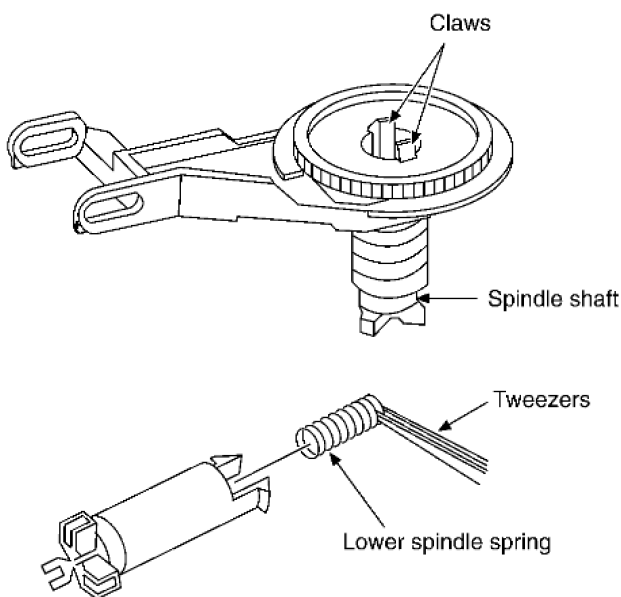
Step 6 Remove the cushion spring.

Step 7 Remove the loading stopper ass'y in the direction of arrow.



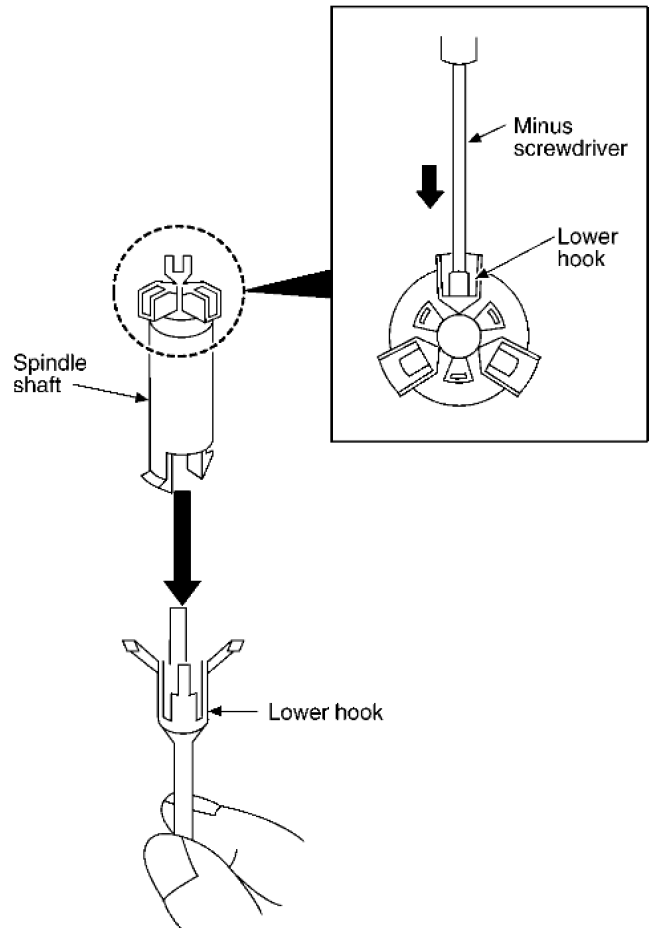
Step 8 Release the 2 claws, and then remove the relay gear A.

Step 9 Release the 2 claws, and then remove the spindle shaft.

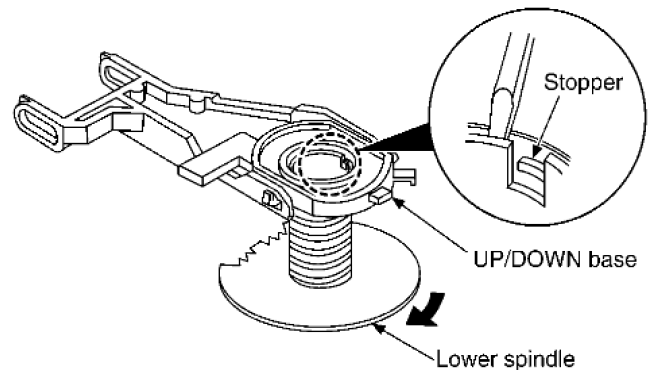


Step 10 Remove the lower spindle spring with tweezers.

Step 11 Force the lower hook with thin tip of minus screwdriver.

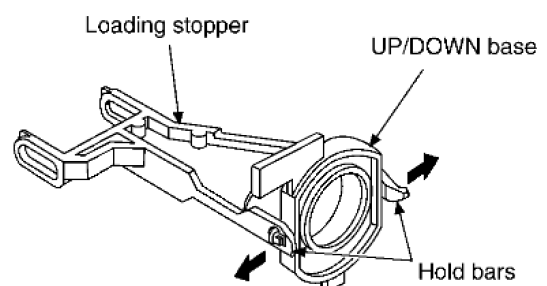


Step 12 Squeeze the shaft of lower hook, and then draw it.



Step 13 Rotate the lower spindle in the direction of arrow until the lower spindle interferes with stopper.

Step 14 Insert the thin tip of minus screwdriver between the lower spindle and UP/DOWN base, and then slacken the lower spindle to release the stopper. Then, rotate the lower spindle and remove it.

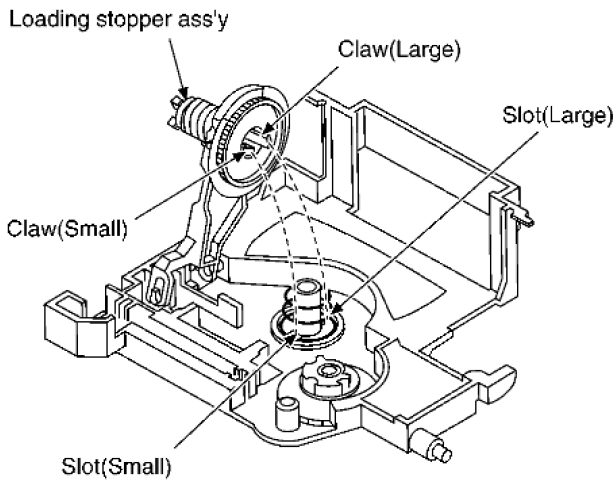


Step 15 Rotate the UP/DOWN base at a 90° angle. Then,

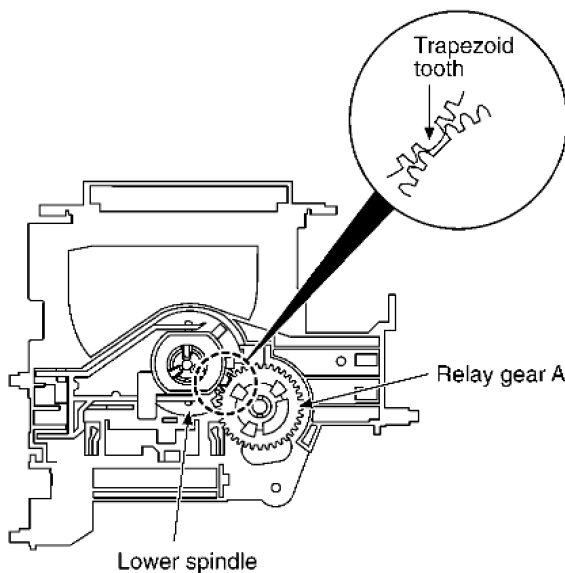
spread the hold bars of loading stopper and remove the UP/DOWN base.

[Installation for loading stopper ass'y]

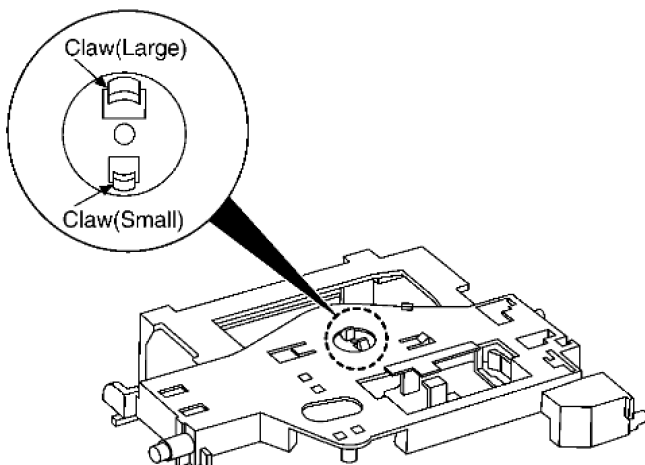
Step 1 Align the claw of loading stoppers ass'y with the slot of spindle base. (Caution should be exercised when alignment of claw due to the size of claws.)



Step 2 Lower the loading stopper ass'y, and then align the lower spindle with the trapezoid tooth of relay gear A.



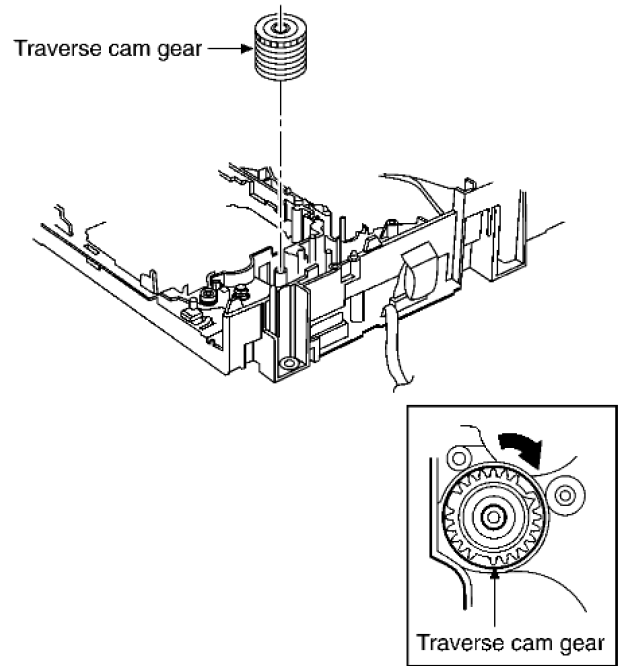
Step 3 Force the loading stopper ass'y, latch the claw firmly.



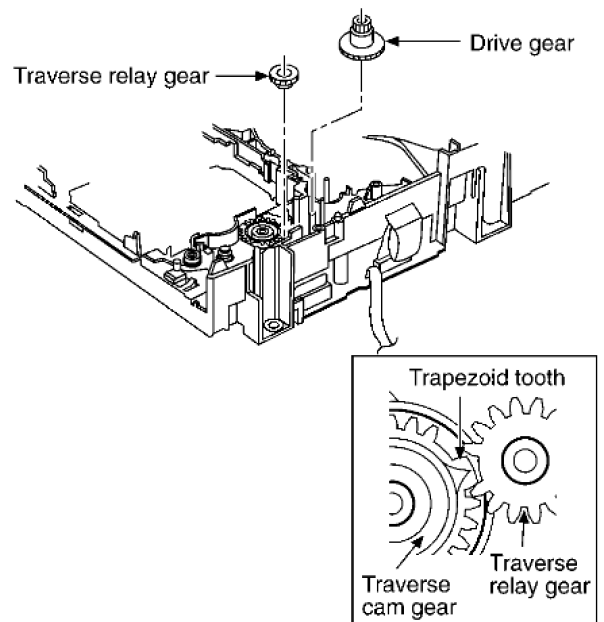
[Reassembly for mechanism base drive unit]

Step 1 Install the traverse cam gear.

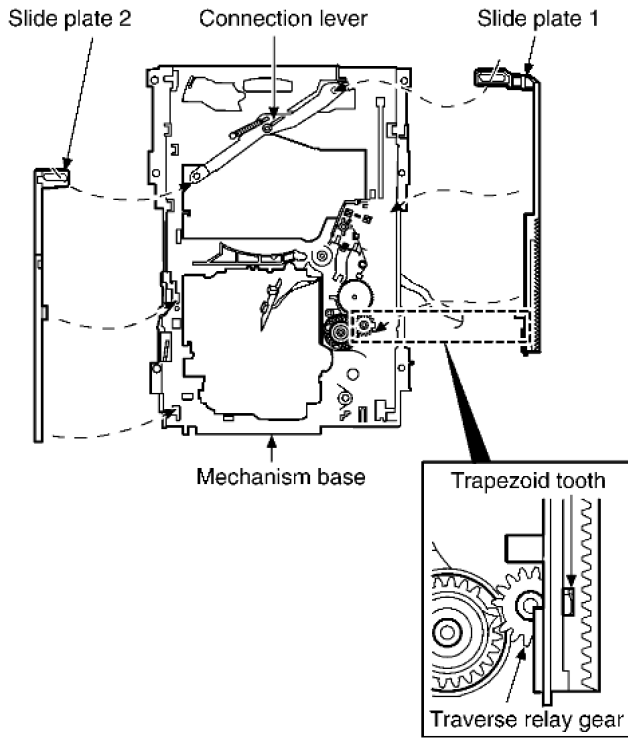
Step 2 Rotate the traverse cam gear to the direction of arrow.



Step 3 Install the drive gear and traverse relay gear.

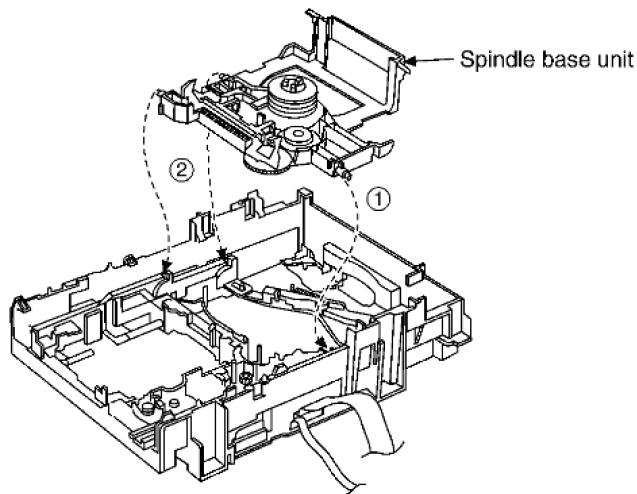


*When installing the traverse relay gear, align the trapezoid tooth of gear with tooth of traverse cam gear.

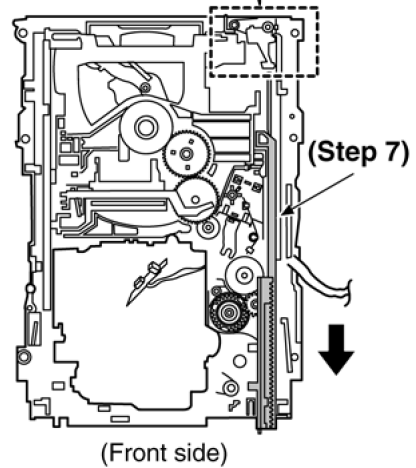
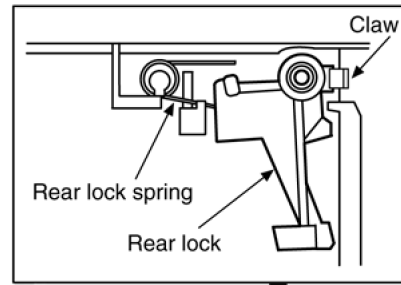


Step 4 Install the slide plate 2 to the mechanism base, and then match to the connection lever.

Step 5 Install the slide plate 1 to the mechanism base, and then match to the connection lever and align the trapezoid tooth of traverse relay gear with the slide plate 1.



Step 6 Install the spindle base unit. (First, slide plate 1.)

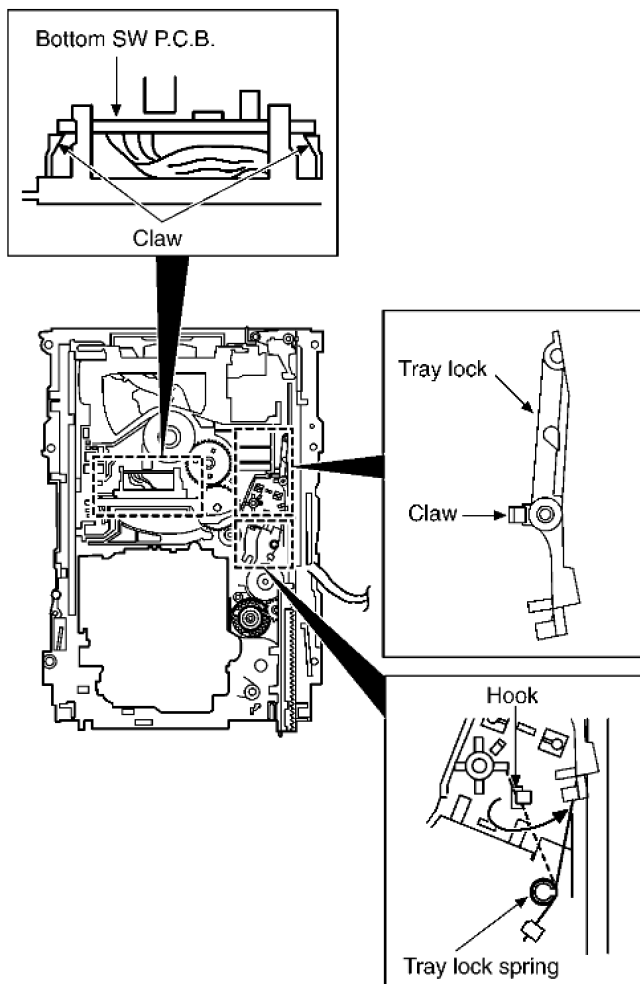


Step 7 Move the slide plate 1 to forward fully.

Step 8 Install the rear lock. (The claw should be latched.)

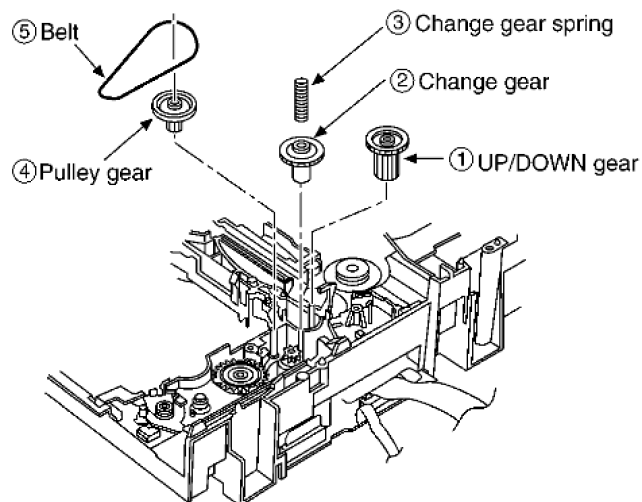
Step 9 Install the Spindle Position P.C.B.. (The claw should be latched.)

Step 10 Install the tray lock. (The claw should be latched.)

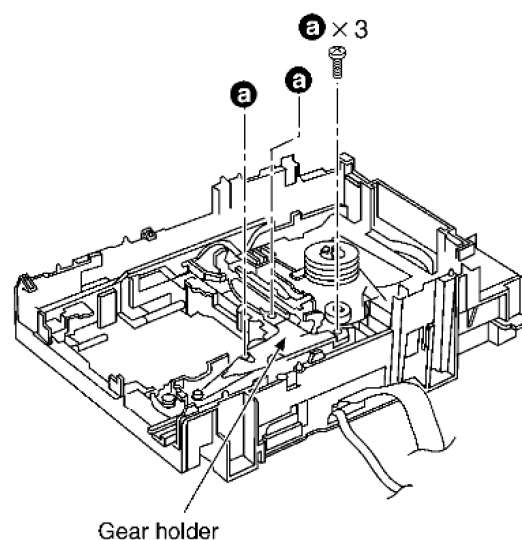


Step 11 Remove the tray lock spring from hook, and then latch to the tray lock.

Step 12 Install the UP/DOWN gear, change gear, change gear spring, pulley gear and belt in the order of (1) - (5).



Step 13 Install the gear holder, and then tighten the screw (a).



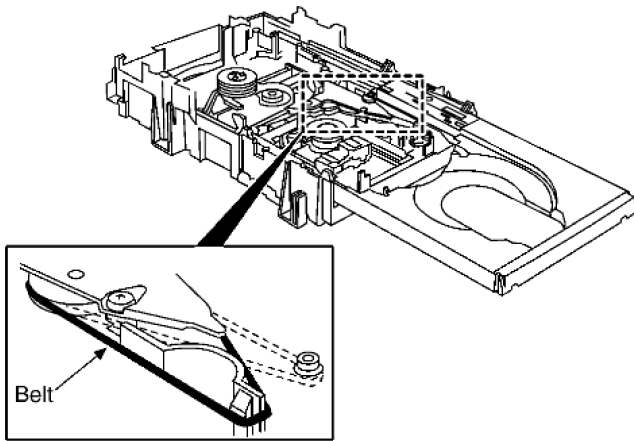
Step 14 Install the tray base, traverse ass'y, mechanism cover and upper plate.

[Operation check after servicing]

Check the proper operation of following items with gear and hexagonal screwdriver.

1. Open/close of tray base.
2. Moving the tray base to the stock side.
3. UP/DOWN operation of spindle base unit.
4. UP/DOWN operation of traverse ass'y.

9.13.4. Replacement for the motor ass'y



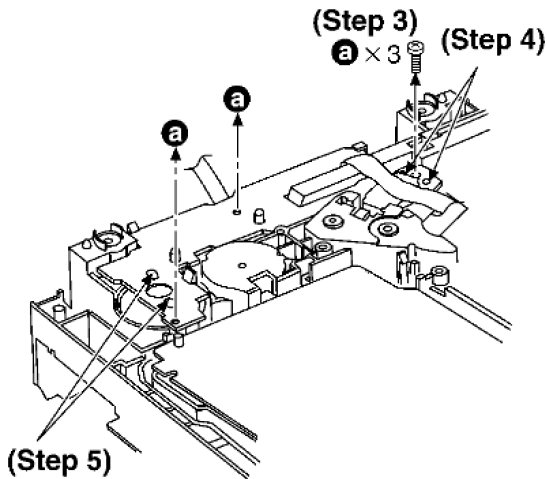
Step 1 Install the belt temporarily.

NOTE:

Take care not apply the grease to the belt.

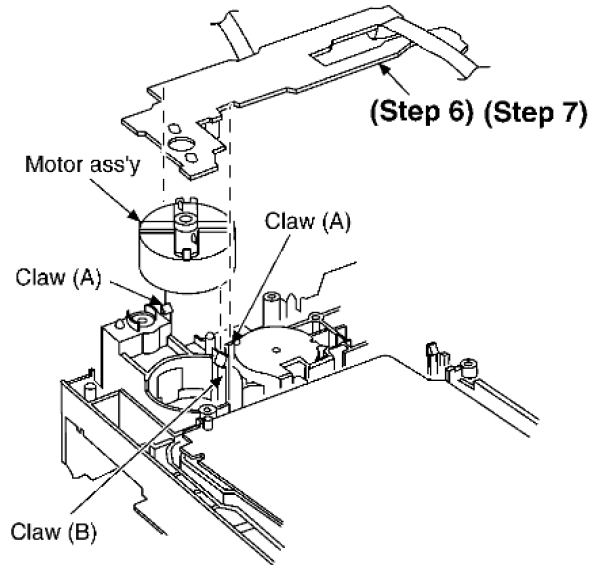
Step 2 Upset the CD loading unit.

Step 3 Remove 3 screws.



Step 4 Unsolder the plunger terminals (2 points).

Step 5 Unsolder the motor terminals (2 points).

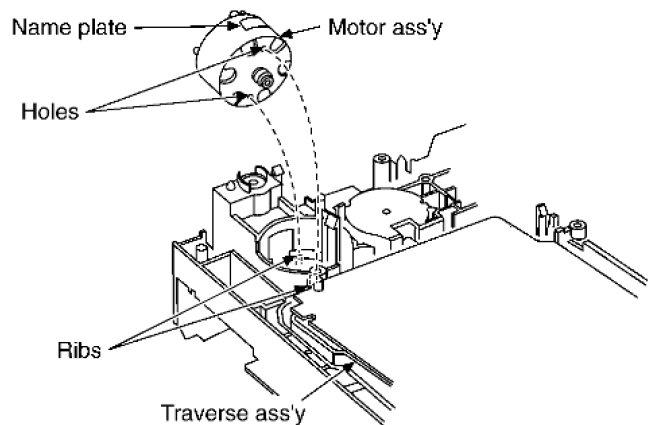


Step 6 Release the 2 claws (A), and then remove the Motor P.C.B.

Step 7 Release the claw (B), and then remove the motor ass'y.

[Notice for motor ass'y installation]

1. Locate the name plate of motor to the traverse ass'y.
2. Align the hole of motor with the ribs.



9.14. Replacement for the pinch roller ass'y and head block

- Follow the (Step 1) - (Step 2) of Item 9.3 - Disassembly of Top Cabinet
- Follow the (Step 1) - (Step 6) of Item 9.4 - Disassembly of CD Lid
- Follow the (Step 1) - (Step 3) of Item 9.6 - Disassembly of CD Mechanism Unit
- Follow the (Step 1) - (Step 3) of Item 9.11 - Disassembly of Front Panel Unit
- Follow the (Step 1) - (Step 5) of Item 9.12 - Disassembly of Deck Mechanism Unit

* The mechanism as shown below is for DECK1. For DECK 2, perform the same procedures.