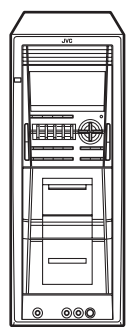


JVC

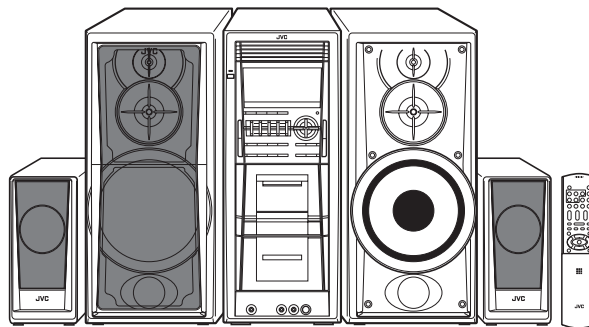
SERVICE MANUAL

COMPACT COMPONENT SYSTEM

DX-T9,DX-T7,DX-T5



(CA-DXT7,CA-DXT9)



(SP-XST5) (SP-XST5) (CA-DXT5) (SP-XST5) (SP-XST5)



ACTIVE BASS EXTENSION

DX-T9, DX-T7

Area suffix

A	-----	Australia
US	-----	Singapore
UW	-----	Brazil,Mexico,Peru
UX	-----	Saudi Arabia
UG	---	Turkey,South Africa,Egypt
UN	-----	Asean

DX-T5

Area suffix

US	-----	Singapore
UW	-----	Brazil,Mexico,Peru
UX	-----	Saudi Arabia
UY	-----	Argentina
UG	---	Turkey,South Africa,Egypt
UN	-----	Asean

	Main body	Front speaker	Subwoofer	Surround speaker	Center speaker
DX-T9	CA-DXT9	SP-XT9	SP-WT9	SP-XST9	SP-XCT9
DX-T7	CA-DXT7	SP-XT7	SP-WT7	SP-XST7	SP-XCT7
DX-T5	CA-DXT5	SP-XT5	---	SP-XST5	SP-XCT5

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

TABLE OF CONTENTS

1	PRECAUTION.....	1-6
2	SPECIFIC SERVICE INSTRUCTIONS.....	1-9
3	DISASSEMBLY	1-10
4	ADJUSTMENT	1-51
5	TROUBLESHOOTING	1-61

3.2 DVD changer mechanism assembly section

Remove the DVD changer mechanism assembly from the main body. (See "Removing the DVD changer mechanism assembly".)

3.2.1 Removing the tray assemblies

(See Figs.1 to 5)

- (1) From the top side of the main body, remove the two screws **A** from the top cover and release the two joints **a** on the both sides of the DVD changer mechanism assembly. (See Figs.1 and 2.)
- (2) Remove the two rods from the top cover and remove the top cover from the lifter assembly. (See Figs.1 and 2.)
- (3) Remove the open det. lever on the left side of the DVD changer mechanism assembly. (See Fig.3.)
- (4) From the right side of the DVD changer mechanism assembly, draw out the tray assemblies toward the front while pushing the part **b** of the side (R) assembly. (See Figs.4 and 5.)

Note:

The tray can be locked if all tray assemblies are attached.

- (5) From the topside of the DVD changer mechanism assembly, move the stopper tabs **c** in the direction of the arrow and release them. Pull out the tray assemblies from the DVD changer mechanism assembly. (See Fig. 5.)

Note:

Remove the tray assembly from top tray 5 in order.

Reference:

When reattaching the tray assembly, or when removing the disc remaining inside, refer to another section "3.3.15 Taking out the disc in the play mode".

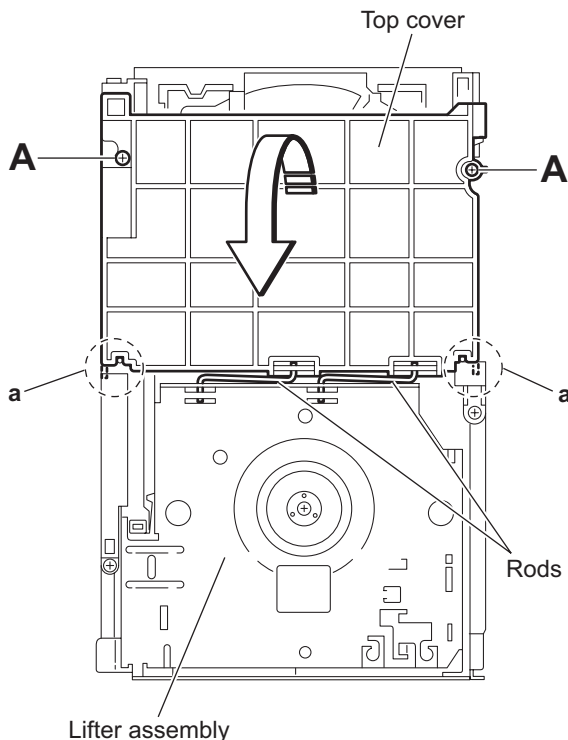


Fig.1

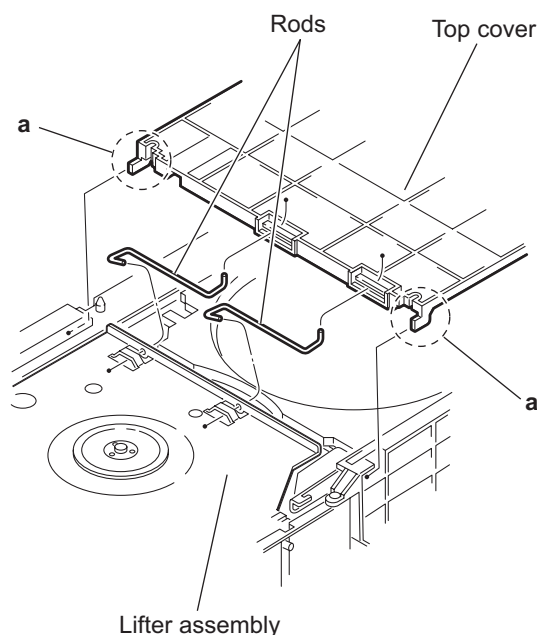


Fig.2

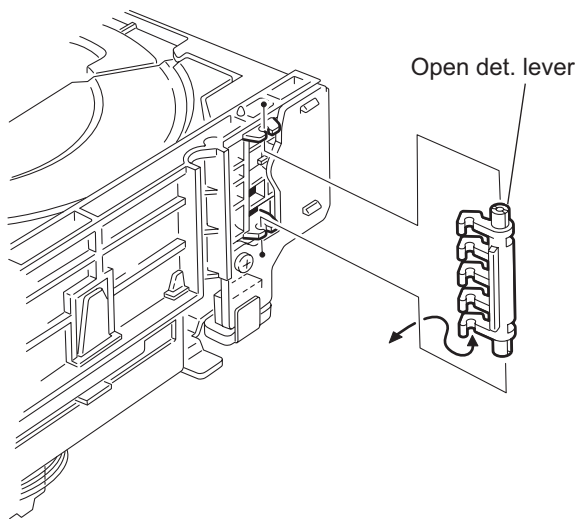


Fig.3

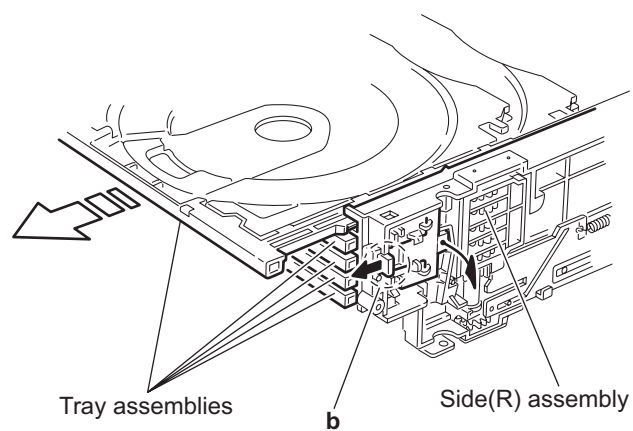


Fig.4

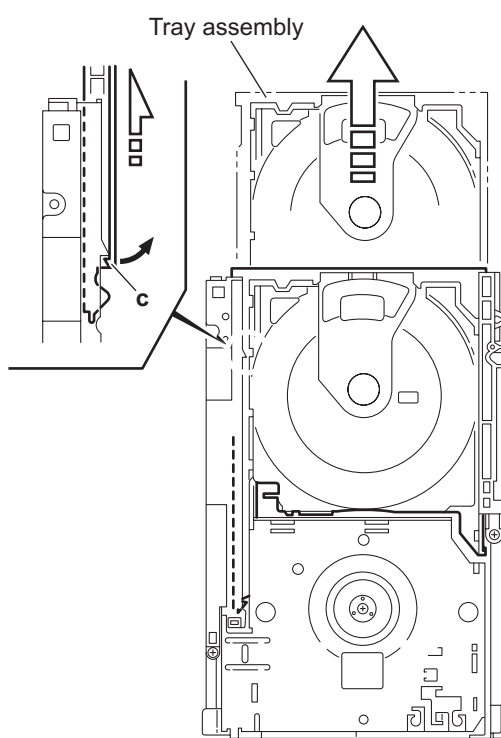


Fig.5

3.2.2 Removing the DVD servo board (See Figs.6 to 8)

Caution:

Solder the short land sections **d** on the DVD pickup before disconnecting the card wire extending from the DVD pickup. If you do not follow this instruction, the DVD pickup may be damaged.

- (1) From the topside of the DVD changer mechanism assembly, solder the short land sections **d** on the DVD pick up. (See Fig.6.)
- (2) From the bottom side of the DVD changer mechanism assembly, disconnect the card wire from the connectors (**CN201**, **CN451**) on the DVD servo board. (See Fig.7.)

Reference:

When connecting the card wire to the connector **CN451**, pass it through the sections **e** on the DVD traverse mechanism assembly. (See Fig.7.)

- (3) Disconnect the wires from the connectors (**CN452**, **CN453**) on the DVD servo board. (See Fig.7.)
- (4) Remove the two screws **B** attaching the DVD servo board. (See Fig.7.)
- (5) From the reverse side of the DVD servo board, release the lock of the connector **CN101** in the direction of the arrow and disconnect the card wire. (See Fig.8.)

Caution:

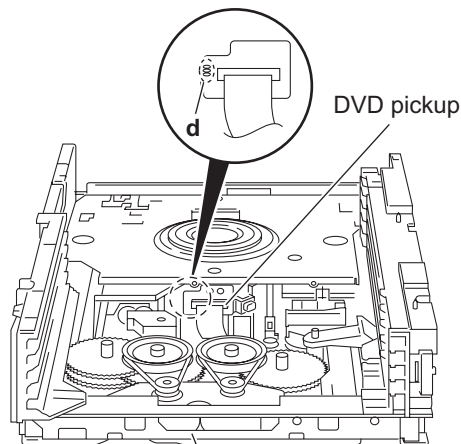
Unsolder the solders from the short land sections **d** after reassembling. (See Fig.6.)

3.2.3 Removing the switch board (See Fig.7)

- (1) From the bottom side of the DVD changer mechanism assembly, remove the screw **C** attaching the switch board on the DVD changer mechanism assembly.
- (2) Disconnect the wires from the connectors (**CN452**, **CN453**) on the DVD servo board.
- (3) Release the wires from the section **f** and remove the switch board.
- (4) Release the wires from the sections **g** and remove the switch board.

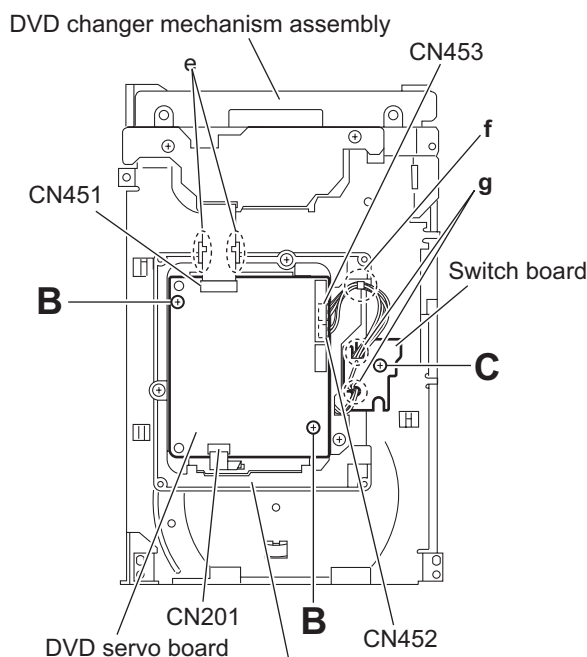
Reference:

When reassembling, pass the wires through the sections (**f**, **g**) as before.



DVD changer mechanism assembly

Fig.6



DVD servo board

DVD traverse mechanism assembly

Fig.7

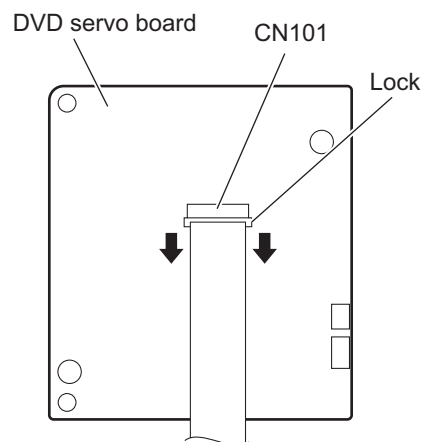


Fig.8

3.2.4 Removing the motor board (See Figs.9 and 10)

- (1) From the top side of the DVD changer mechanism assembly, remove the two belts from the motor pulleys. (See Fig.9.)

Note:

Take care not to attach grease on the belt.

- (2) Remove the two screws **D** attaching the motors to the loader assembly. (See Fig.9.)
- (3) From the bottom side of the DVD changer mechanism assembly, remove the two screws **E**. (See Fig.10.)
- (4) Disconnect the connector **CN2** on the motor board from the tray switch board and remove the motor board. (See Fig.10.)
- (5) Disconnect the card wire from the connector **CN1** on the forward side of the motor board. (See Fig.10.)

Note:

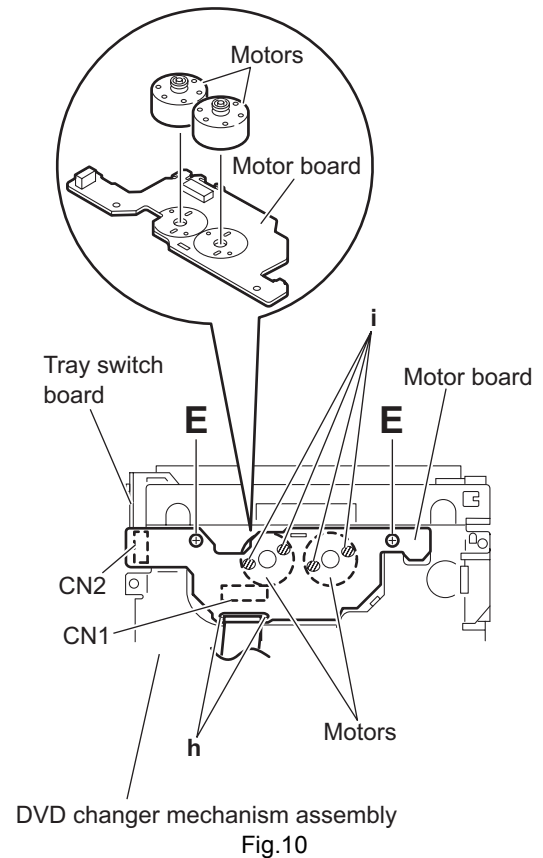
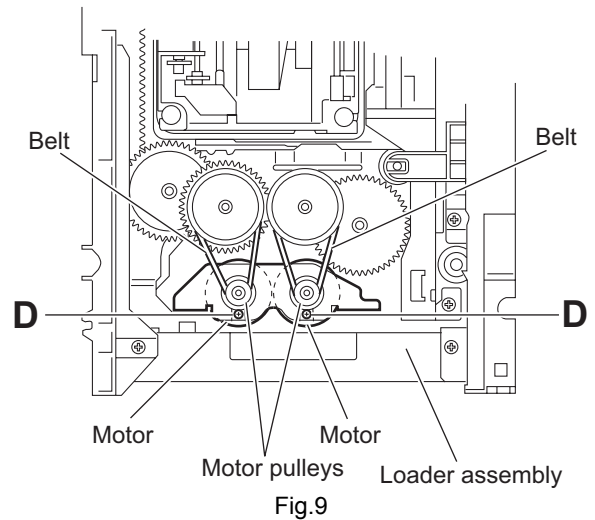
When connecting the card wire, let the card wire through the slots **h** of the motor board. (See Fig.10.)

Reference:

You need not to remove the tray assemblies, and in such case, move it.

3.2.5 Removing the motor (See Fig. 10)

- Remove the motor board.
 - (1) From the reverse side of the motor board, unsolder the four soldered sections **i** on the motor board.
 - (2) From the forward side of the motor board, remove the motors.



3.2.6 Removing the DVD traverse mechanism assembly (See Fig.11)

- Remove the tray assemblies and DVD servo board.
 - (1) From the bottom side of the DVD changer mechanism assembly, remove the three screws **F** attaching the DVD traverse mechanism assembly.
 - (2) Remove the wires from the section **j**.
 - (3) Take out the DVD traverse mechanism assembly from the DVD changer mechanism assembly.

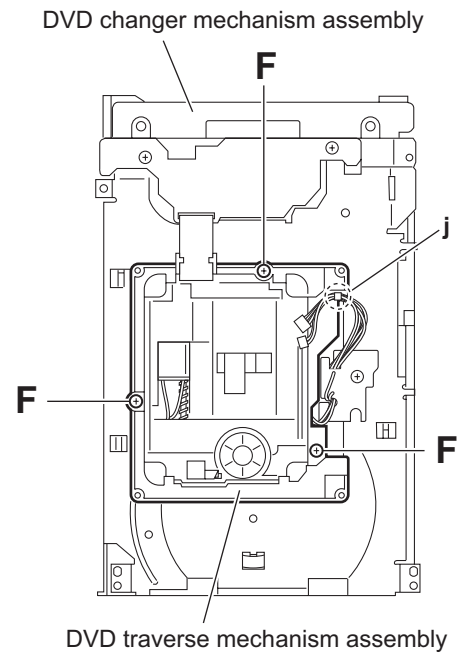


Fig.11

3.2.7 Removing the DVD pickup (See Figs.12 to 14)

- Remove the tray assemblies, DVD servo board and DVD traverse mechanism assembly.
- (1) From the top side of the DVD traverse mechanism assembly, release the lock of the connector on the DVD pickup and disconnect the card wire in the direction of the arrow. (See Fig.12.)
- (2) Turn the screw shaft gear in the direction of the arrow 1 to move the DVD pickup in the direction of the arrow 2. (See Fig.12.)
- (3) Remove the screw **G** attaching the feed bracket and remove the feed bracket from the sections **k**. (See Fig.12.)
- (4) Release the claw **m** of the thrust spring in the direction of the arrow and remove the thrust spring. (See Fig.12.)
- (5) Remove the guide shaft from the sections (**n**, **p**) on the C.TM chassis. (See Fig.13.)
- (6) Remove the section **q** of the DVD pickup. (See Fig.13.)
- (7) Remove the two screws **H** attaching the rack arm spring and rack arm. (See Fig.14.)
- (8) Pull the guide shaft from the DVD pickup in the direction of the arrow. (See Fig.14.)

3.2.8 Attaching the DVD pickup (See Figs.12 to 14)

- (1) Attach the guide shaft to the DVD pickup and attach the rack arm spring and rack arm with the screws **H**. (See Fig.14.)
- (2) Attach the section **q** of the DVD pickup to the C.TM chassis first and attach the guide shaft to the sections (**n**, **p**). (See Fig.13.)

Reference:

- When attaching the guide shaft to the section **p**, attach it under the rod spring. (See Fig.13.)
- (3) Attach the thrust spring and feed bracket with the screw **G**. (See Fig.12.)
 - (4) Turn the screw shaft gear in the direction of the arrow 1 to move the DVD pickup in the direction of the arrow 2. (See Fig.15.)
 - (5) Connect the card wire to the connector on the DVD pickup. (See Fig.15.)

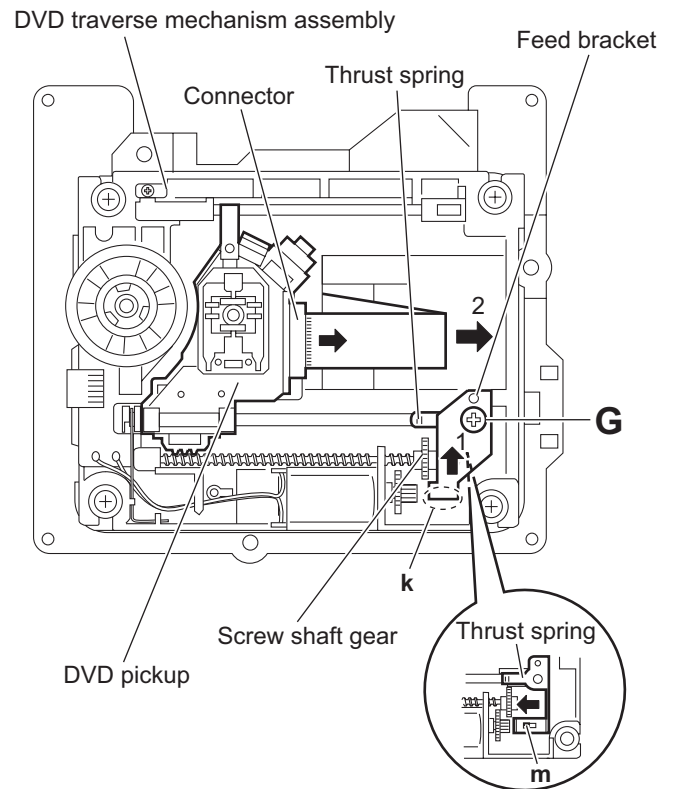


Fig.12

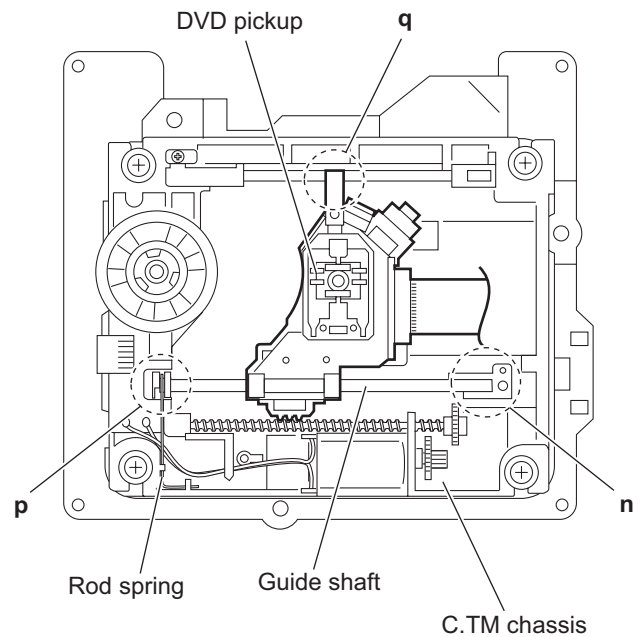


Fig.13

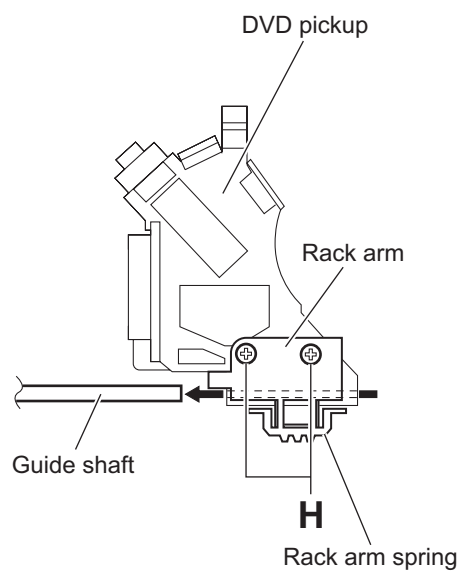


Fig.14

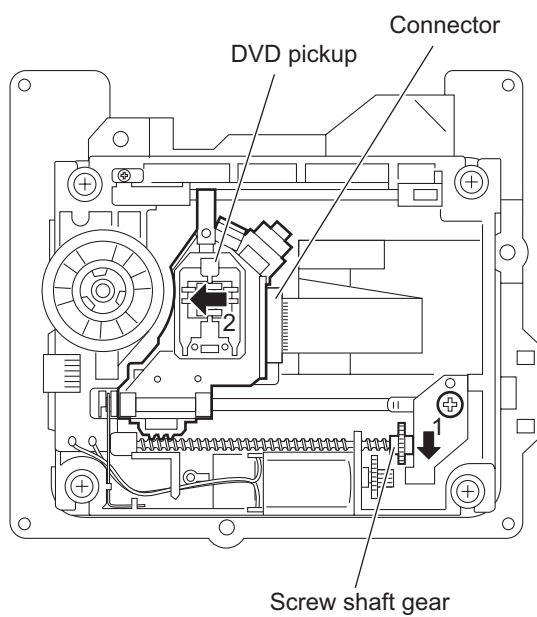


Fig.15

3.2.9 Removing the spindle motor board (See Figs.16 and 17)

- Remove the tray assemblies, DVD servo board and DVD traverse mechanism assembly.
 - (1) From the top side of the DVD traverse mechanism assembly, remove the wires from the soldered sections **r** on the spindle motor board. (See Fig.16.)
 - (2) From the bottom side of the DVD traverse mechanism assembly, remove the three screws **J** attaching the spindle motor board. (See Fig.17.)

Reference:

When attaching the spindle motor board, let the card wire through the hole **s** on the C.TM chassis. (See Fig.17.)

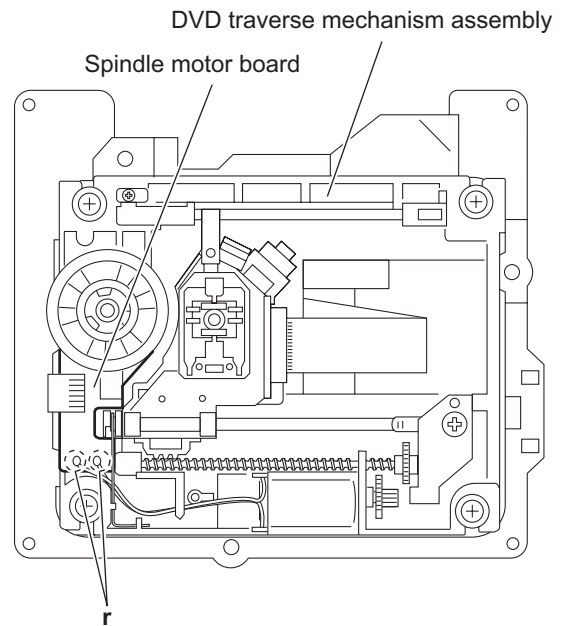


Fig.16

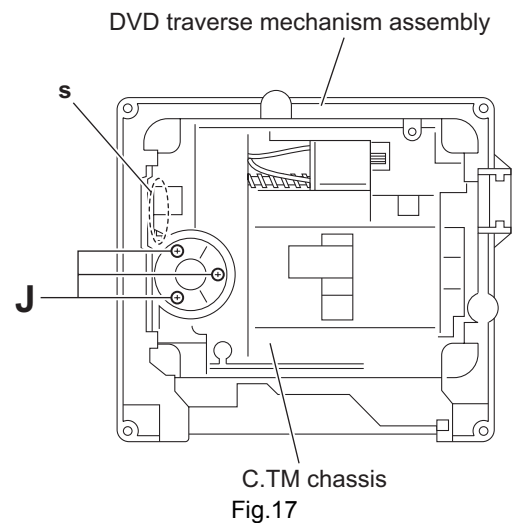


Fig.17

3.2.10 Removing the feed motor (See Figs.18 and 19)

- Remove the tray assemblies and DVD traverse mechanism assembly.
 - (1) From the top side of the DVD traverse mechanism assembly, remove the screw **K** attaching the feed bracket and remove the feed bracket from the sections **t**. (See Fig.18.)
 - (2) Release the claw **u** of the thrust spring in the direction of the arrow and remove the thrust spring. (See Fig.18.)
 - (3) Remove the screw shaft from the section **v** and remove it in the direction of the arrow. (See Fig.19.)
 - (4) Remove the middle gear. (See Fig.19.)
 - (5) Remove the screw **L** attaching the feed motor to the C.TM chassis. (See Fig.19.)
 - (6) Remove the wires from the soldered sections **w** on the spindle motor board. (See Fig.19.)
 - (7) Take out the feed motor from the motor base.

Reference:

After attaching the feed motor, pass the wires through the sections **x** on the C.TM chassis as before. (See Fig.19.)

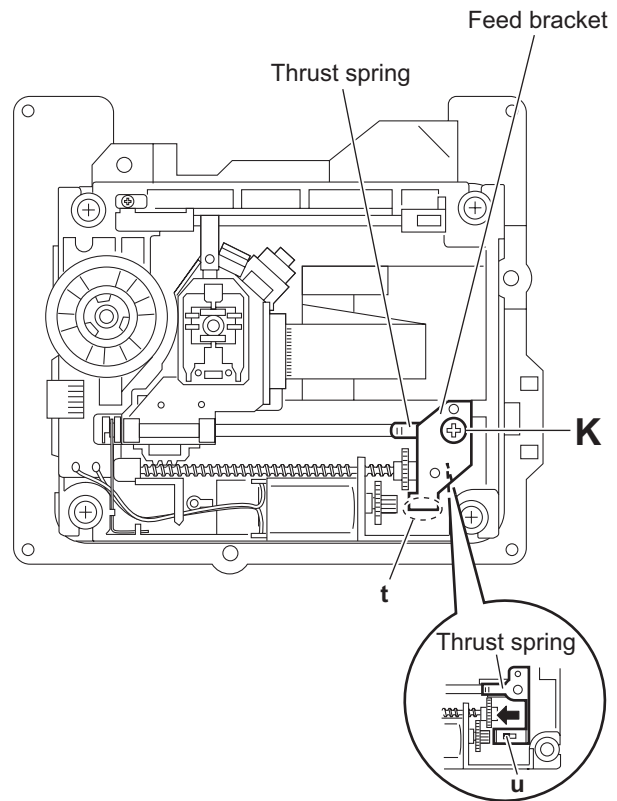


Fig.18

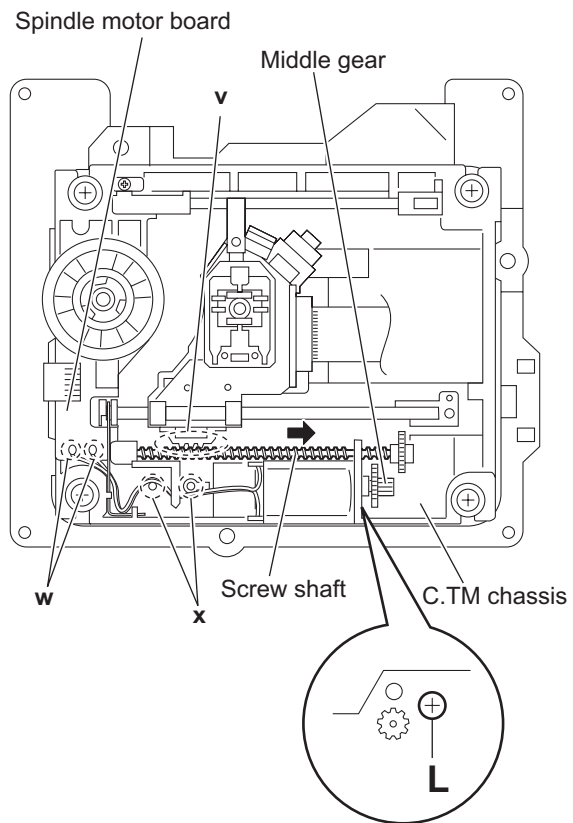
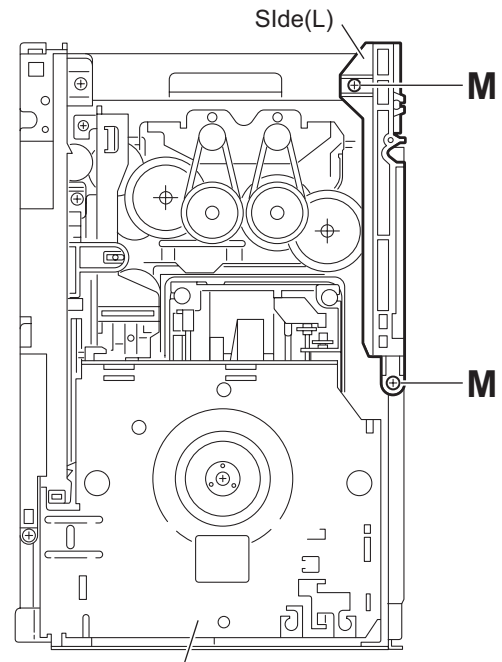


Fig.19

3.2.11 Removing the side (L) and tray switch board (See Figs.20 to 22)

- Remove the tray assemblies.
 - (1) From the topside of the DVD changer mechanism assembly, remove the two screws **M** attaching the side (L). (See Fig.20.)
 - (2) From the left side of the DVD changer mechanism assembly, disconnect the connector **CN3** on the tray switch board from the motor board and detach the side (L) in an upward direction. (See Fig.21.)
 - (3) Remove the screw **N** attaching the tray switch board to the side (L). (See Fig.22.)
 - (4) Release the joint tab **y** of the side (L) in the direction of the arrow 1 and release the joint tab **z** while removing the tray switch board in the direction of the arrow 2. (See Fig.22.)



DVD changer mechanism assembly
Fig.20

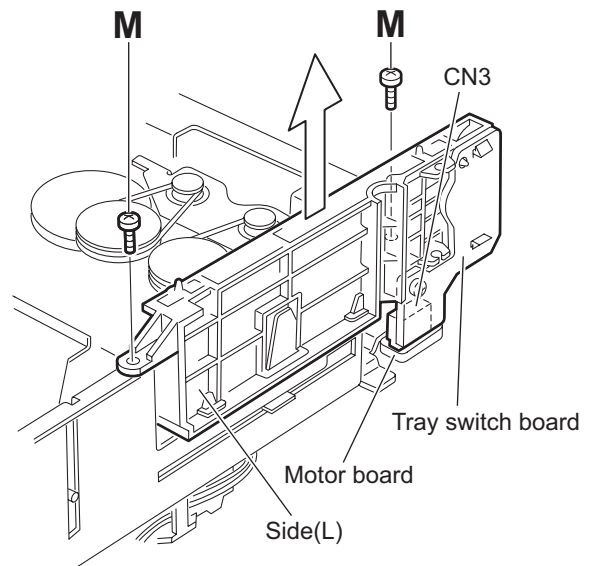


Fig.21

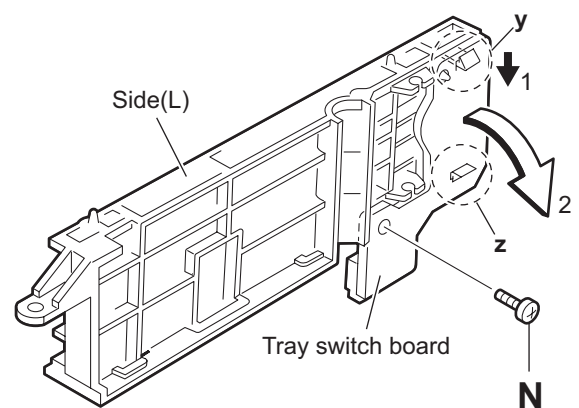


Fig.22

3.2.12 Removing the side (R) assembly (See Fig.23 to 27)

- Remove the tray assemblies and DVD servo board.
 - (1) From the inside of the side (R) assembly, release the two tabs **aa** of the gear cover and remove the gear cover outward. (See Figs.23 and 24.)
 - (2) From the right side of the DVD changer mechanism assembly, remove the elevator spring attached to the hook **ab** of the loader assembly. (See Figs.24 and 25.)
 - (3) From the top side of the DVD changer mechanism assembly, turn the gear 1 clockwise to move the elevator cam rearward. (See Fig.25.)
 - (4) Move the two slots **ac** and joint **ad** of the elevator cam and remove the elevator cam outward. (See Fig.25.)
 - (5) Remove the three screws **P** and detach the side (R) assembly upward. (See Figs.26 and 27.)

Note:

When reattaching the side (R) assembly, make sure to fit the shaft (part **ae**) into the slot of the select lever. (See Fig.26.)

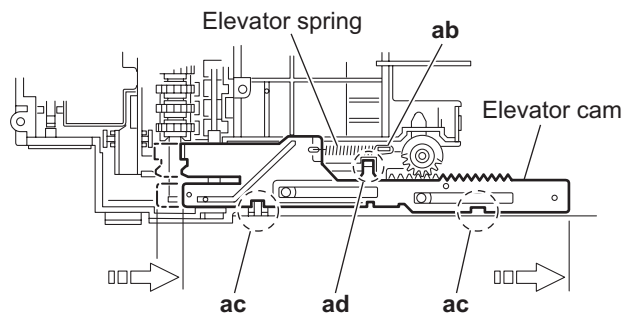


Fig.25

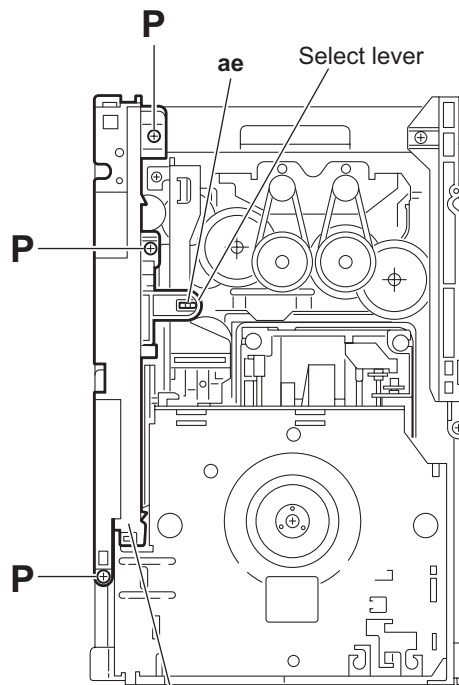


Fig.26

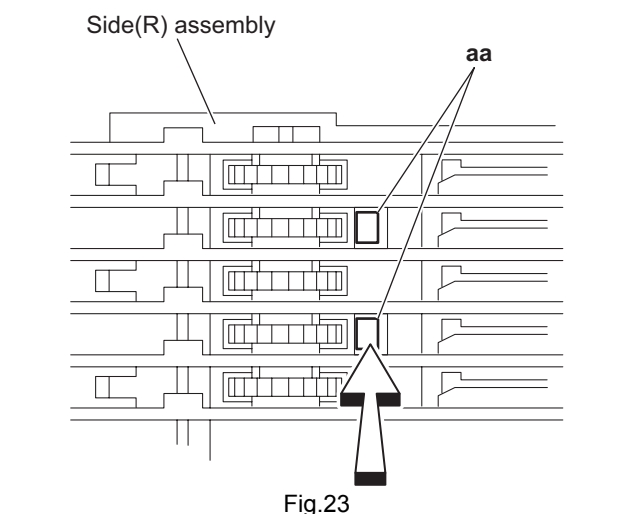


Fig.23

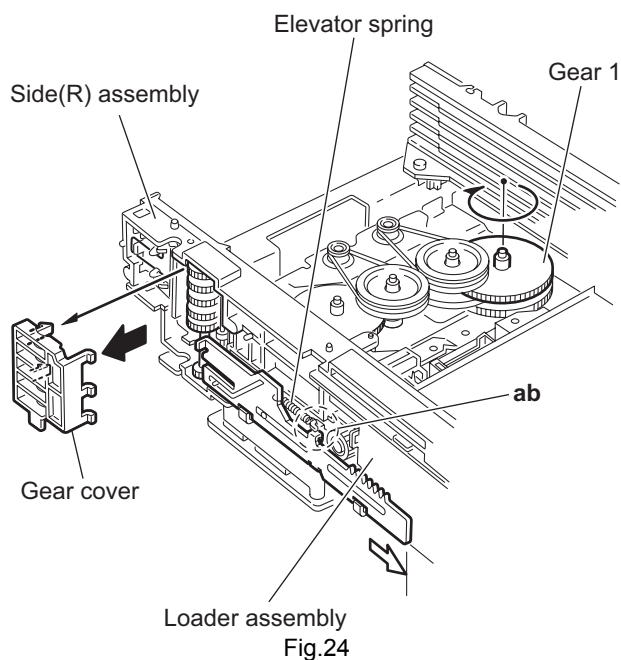


Fig.24

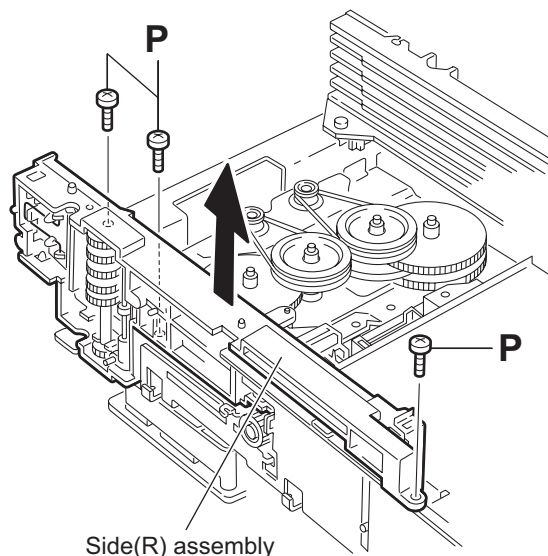


Fig.27

3.2.13 Removing the lifter assembly (See Figs.28 to 32)

- Remove the tray assemblies, DVD servo board, side (L) and side (R) assembly.

- (1) From the top side of the DVD changer mechanism assembly, turn the gear 1 clockwise to move the lifter assembly upward. (See Figs.28 and 29.)
- (2) Turn the gear 2 clockwise to move the hook toward the front until it stops. (See Figs.28 and 29.)
- (3) Move the hook stopper in the direction of the arrow 2 while pushing the tab **af** of the hook stopper to unlock it in the direction of the arrow 1 and release four joints **ag** to detach from the rack holder. (See Fig.30.)
- (4) Release the rod (L) from part **ah**. (See Fig.30.)
- (5) Turn the gear 1 clockwise again to move the lifter assembly upward. (See Fig.31.)
- (6) Remove the lifter assembly from the DVD changer mechanism assembly upward at the positions **ai** where the four pins on the both sides of the lifter assembly fit to the notches of the loader assembly. (See Fig.31.)
- (7) Move the lifter assembly in the direction of the arrow and release it from the hook. (See Fig.32.)

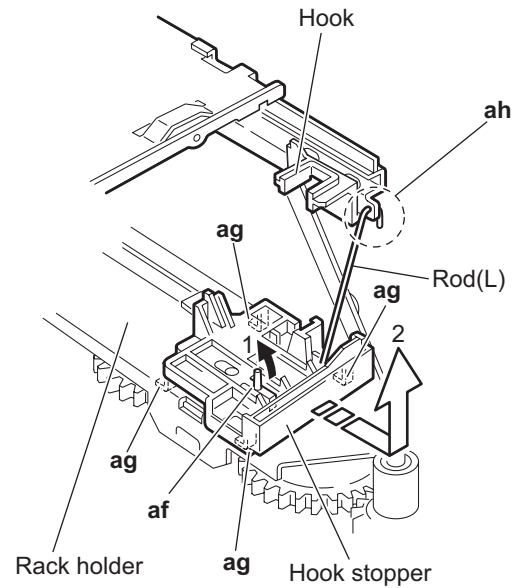
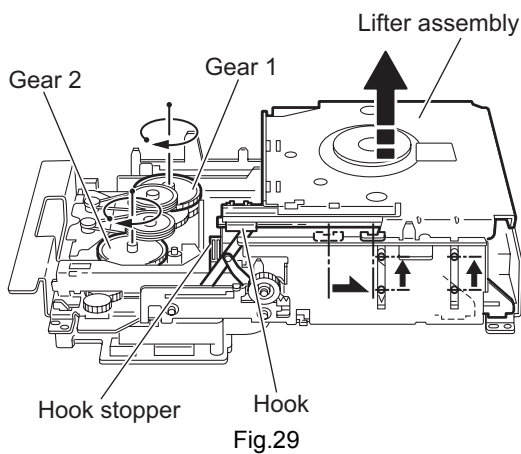
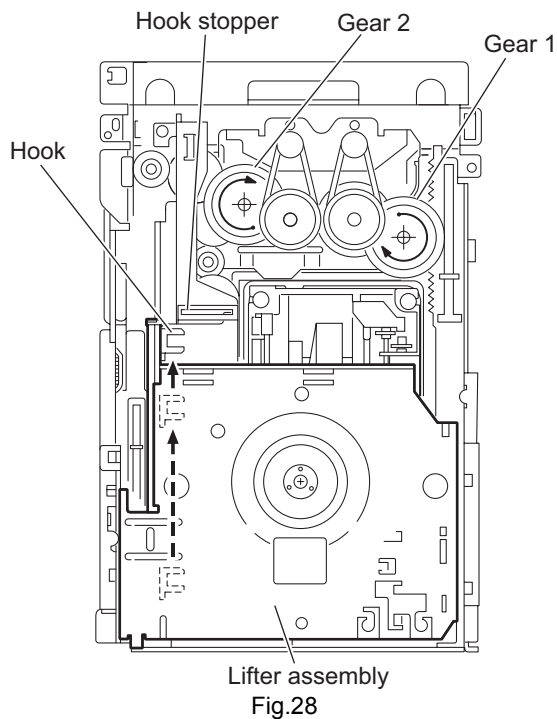


Fig.30

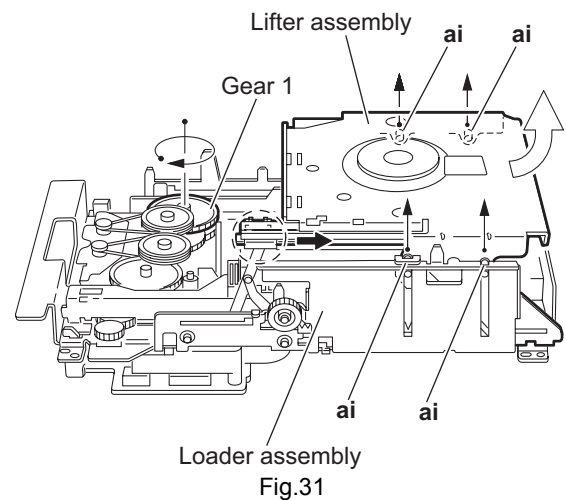
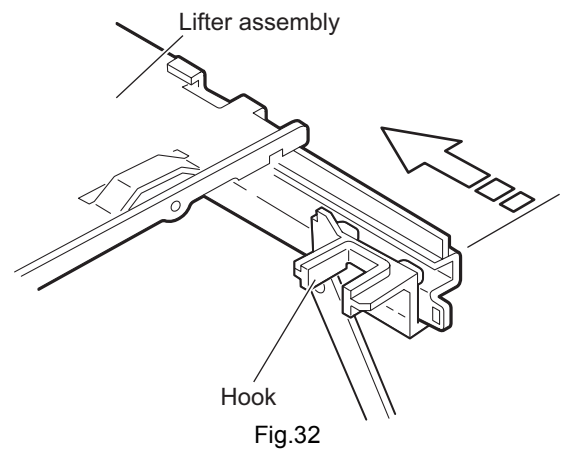


Fig.31



3.2.14 Removing the sensor board and SV resistor (See Fig.33)

- Remove the tray assemblies, side (L), side (R) assembly and lifter assembly.
 - Remove the solders from the soldered sections **aj** on the sensor board and remove the wires.
 - Remove the two screws **Q** and take out the sensor board with the SV resistor.

Reference:

- Remove the soldered section **ap** on the sensor board as required.
- When reassembling, pass the wires through the slot **ak** of the sensor board as before.

Note:

When reattaching the SV. resistor, fit the projection **am** on the bottom of the SV. resistor into slot **an** of the sensor slider.

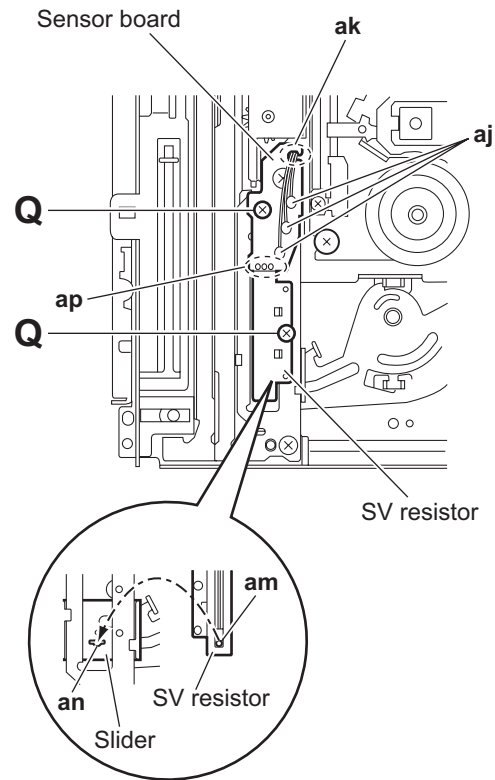


Fig.33

3.2.15 Taking out the disc in the play mode (See Fig.34 to 37)

Reference:

Refer to "3.3.1 Removing the tray assemblies".

- (1) From the top side of the DVD changer mechanism assembly, remove the top cover.
- (2) Unlock the tray assemblies and draw out the tray assemblies toward the front.
- (3) From the top side of the DVD changer mechanism assembly, turn the gear 1 clockwise to move the lifter assembly upward. (See Fig.34.)
- (4) Turn the gear 2 clockwise to move the sub tray remaining inside the lifter assembly toward the front, then pull out.
- (5) Take out the disc on the sub tray. (See Fig.35.)
- (6) After clearing away the disc, insert the sub tray into the main tray. (See Fig.36.)

Note:

When reattaching the sub tray, move the tray stopper on the bottom of the main tray in the direction of the arrow to lock the sub tray certainly. (See Figs.36 and 37.)

- (7) Push the tray assembly toward the DVD changer mechanism assembly and reattach.

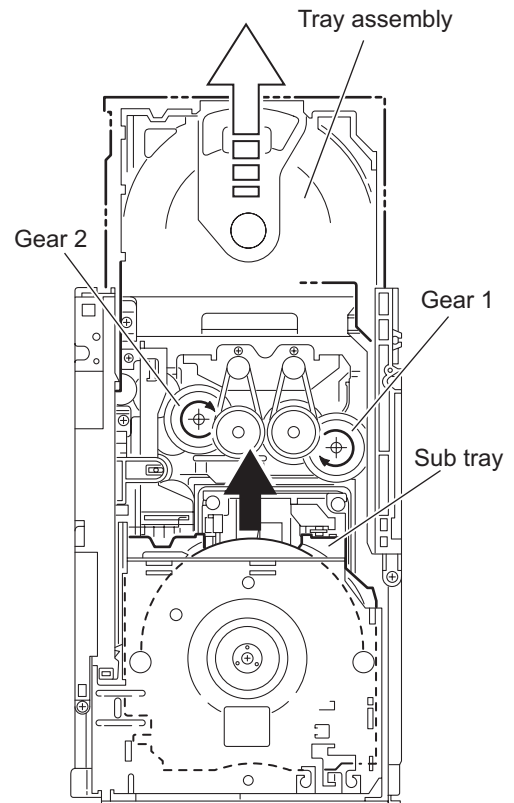


Fig.34

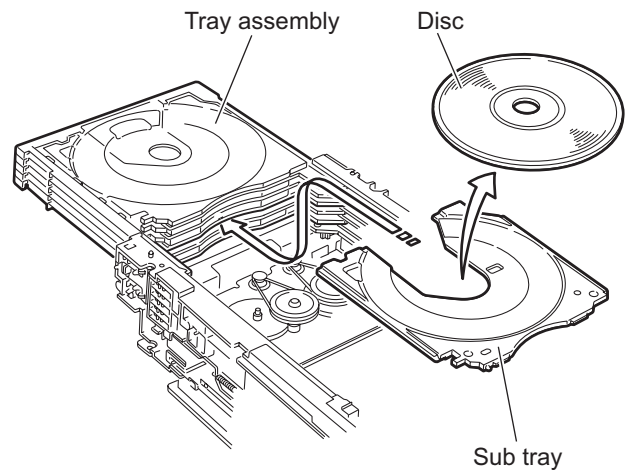


Fig.35

