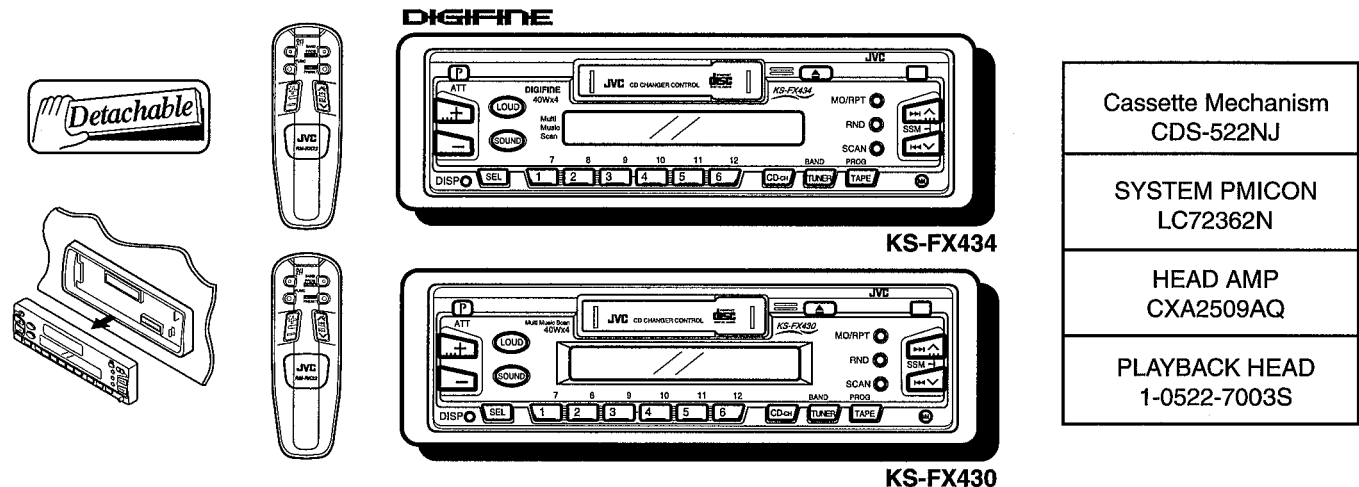


# JVC

## SERVICE MANUAL

### CASSETTE RECEIVER

# KS-FX434/KS-FX430




Area Suffix	
J	..... U.S.A. (KS-FX434/FX-430)
U	..... Other Areas (KS-FX434)

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## Safety Precaution

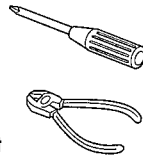
 **CAUTION** Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs when performing repairs of this system.

# Instructions

**JVC** KS-FX434  
KS-FX430

**Installation/Connection Manual**  
**Manual de instalación/conexión**  
**Manuel d'installation/raccordement**

FSUN3073-T631S  
[J]



Printed in Singapore  
1297MMMDWJES  
EN, SP, FR

**ENGLISH**

• This unit is designed to operate on 12 volts DC, NEGATIVE ground electrical systems.

## INSTALLATION (IN-DASH MOUNTING)

• The following illustration shows a typical installation. However, you should make adjustments corresponding to your specific car. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.

**ESPAÑOL**

• Esta unidad está diseñada para funcionar con 12 voltios de CC, con sistemas eléctricos de masa NEGATIVA.

## INSTALACION (MONTAJE EN EL TABLERO DE INSTRUMENTOS)

• La siguiente ilustración muestra una instalación típica. Sin embargo usted deberá efectuar los ajustes correspondientes a su automóvil. Si tiene alguna pregunta o necesita información acerca de las herramientas para instalación, consulte con su concesionario de JVC de equipos de audio para automóviles o a una compañía que suministra tales herramientas.

**FRANÇAIS**

• Cet appareil est conçu pour fonctionner sur des sources de courant continu de 12 volts à masse NEGATIVE.

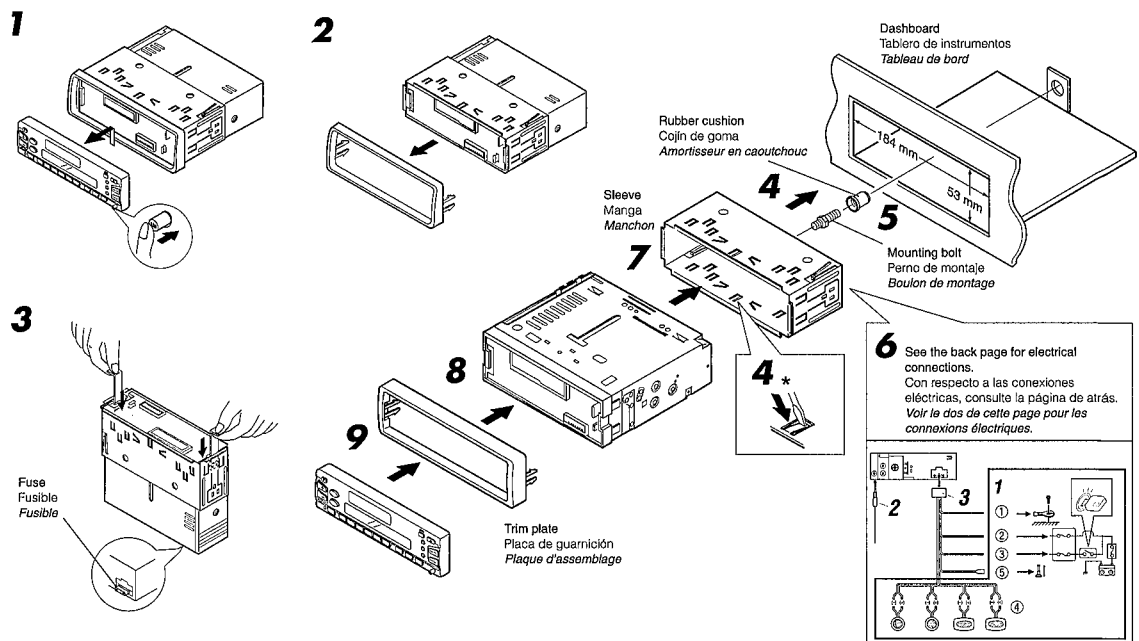
## INSTALLATION (MONTAGE DANS LE TABLEAU DE BORD)

• L'illustration suivante est un exemple d'installation typique. Cependant, vous devez faire les ajustements correspondant à votre voiture particulière. Si vous avez des questions ou avez besoin d'information sur des kits d'installation, consulter votre revendeur d'autoradios JVC ou une compagnie d'approvisionnement.

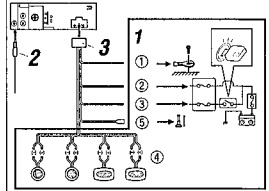
- 1 Before mounting:** Press **L** (Control Panel Release button) to detach the control panel.
- 2** Remove the trim plate.
- 3** Remove the sleeve after disengaging the sleeve locks.
  - ① Stand the unit.
  - Note:** When you stand the unit, be careful not to damage the fuse on the rear.
  - ② Insert the 2 handles between the unit and the sleeve, as illustrated, to disengage the sleeve locks.
  - ③ Remove the sleeve.
  - Note:** Be sure to keep the handles for future use after installing the unit.
- 4** Install the sleeve into the dashboard.
  - \* After the sleeve is correctly installed into the dashboard, bend the appropriate tabs to hold the sleeve firmly in place, as illustrated.
- 5** Fix the mounting bolt to the rear of the unit's body and place the rubber cushion over the end of the bolt.
- 6** Do the required electrical connections explained on the back of this instructions.
- 7** Slide the unit into the sleeve until it is locked.
- 8** Attach the trim plate.
- 9** Attach the control panel.

- 1 Antes de instalar:** Presione **L** (botón de liberación del panel de control) para desmontar el panel de control.
- 2** Retire la placa de guarnición.
- 3** Retire la manga después de desenganchar los retenes de la manga.
  - ① Ponga la unidad vertical.
  - Nota:** Al poner la unidad vertical, tenga cuidado de no dañar el fusible provisto en la parte posterior.
  - ② Inserte las dos asas entre la unidad y la manga tal como en la ilustración y desenganche los retenes de la manga.
  - ③ Retire la manga.
  - Nota:** Después de instalar la unidad, asegúrese de guardar las asas para uso futuro.
- 4** Instale la cubierta en el tablero de instrumentos.
  - \* Después de que la manga esté correctamente instalada en el tablero de instrumentos, doble las lengüetas correspondientes para sostener la manga firmemente en su lugar, tal como se muestra.
- 5** Fije el perno de montaje o la parte trasera del cuerpo de la unidad y coloque el cojin de goma sobre el extremo del perno.
- 6** Realice las conexiones eléctricas requeridas en base a las explicaciones que figuran en la parte de atrás de estas instrucciones.
- 7** Deslice la unidad dentro de la manga hasta que quede trabada.
- 8** Coloque la placa de guarnición.
- 9** Coloque el panel de control.

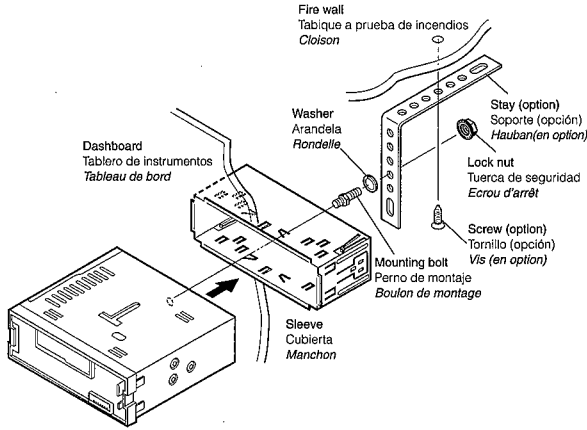
- 1 Avant le montage:** Appuyez sur **L** (touche de libération du panneau de commande) pour détacher le panneau de commande.
- 2** Retirer la plaque d'assemblage.
- 3** Libérer les verrous du manchon et retirer le manchon.
  - ① Poser l'appareil à la verticale.
  - Remarque:** Lorsque vous mettez l'appareil à la verticale, faire attention de ne pas endommager le fusible situé sur le fond.
  - ② Insérer les 2 poignées entre l'appareil et le manchon comme indiqué pour désengager les verrous de manchon.
  - ③ Retirer le manchon.
  - Remarque:** S'assurer de garder les poignées pour une utilisation ultérieure, après l'installation de l'appareil.
- 4** Installer le manchon dans le tableau de bord.
  - \* Après installation correcte du manchon dans le tableau de bord, plier les bonnes pattes pour maintenir fermement le manchon en place, comme montré.
- 5** Monter le boulon de montage sur l'arrière du corps de l'appareil puis passer l'amortisseur en caoutchouc sur l'extrémité du boulon.
- 6** Réalisez les connexions électriques expliquées au dos de cette page.
- 7** Faire glisser l'appareil dans le manchon jusqu'à ce qu'il soit verrouillé.
- 8** Fixer la plaque d'assemblage.
- 9** Remonter le panneau de commande.



**6** See the back page for electrical connections.  
Con respecto a las conexiones eléctricas, consulte la página de atrás.  
Voir le dos de cette page pour les connexions électriques.



- When using the optional stay
- Cuando emplea un soporte opcional
- Lors de l'utilisation du hauban en option



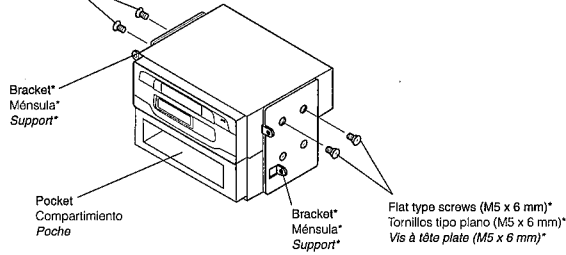
- When installing the unit without using the sleeve
- Instalación de la unidad sin utilizar la cubierta
- Lors de l'installation de l'appareil sans utiliser de manchon

In a Toyota for example, first remove the car radio and install the unit in its place.  
En un Toyota por ejemplo, primero extraiga la radio del automóvil y luego instale la unidad en su lugar.

Par exemple dans une Toyota, retirer d'abord l'autoradio et installer l'appareil à la place.

Flat type screws (M5 x 6 mm)\*  
Tornillos tipo plano (M5 x 6 mm)\*  
Vis à tête plate (M5 x 6 mm)\*

\* Not included with this unit.  
\* No suministrado con esta unidad.  
\* Non fourni avec cet appareil.



**Note:** When installing the unit on the mounting bracket, make sure to use the 6 mm-long screws. If longer screws are used, they could damage the unit.

**Nota:** Cuando instala la unidad en la ménsula de montaje, asegúrese de utilizar los tornillos de 6 mm de longitud. Si se utilizan tornillos más largos, éstos pueden dañar la unidad.

**Remarque:** Lors de l'installation de l'appareil sur le support de montage, s'assurer d'utiliser des vis d'une longueur de 6 mm. Si des vis plus longues sont utilisées, elles peuvent endommager l'appareil.

**Removing the unit**

• Before removing the unit, release the rear section.

- 1 Remove the control panel.
- 2 Remove the trim plate.
- 3 Insert the 2 handles into the slots, as shown. Then, while gently pulling the handles away from each other, slide out the unit. (Be sure to keep the handles after installing it.)

**Extracción de la unidad**

• Antes de extraer la unidad, libere la sección trasera.

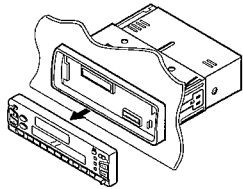
- 1 Extraiga el panel de control.
- 2 Retire la placa de guarnición.
- 3 Inserte las 2 manijas entre las ranuras, como se muestra. Luego, separe gentilmente las manijas y extraiga la unidad. (Asegúrese de conservar las manijas después de instalarlo.)

**Retrait de l'appareil**

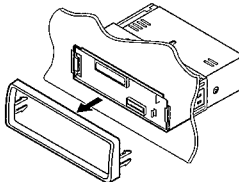
• Avant de retirer l'appareil, libérer la section arrière.

- 1 Retirer le panneau de commande.
- 2 Retirer la plaque d'assemblage.
- 3 Introduire les deux poignées dans les fentes, comme montré. Puis, tout en tirant doucement les poignées écartées, faire glisser l'appareil pour le sortir. (S'assurer de conserver les poignées après l'installation de l'appareil.)

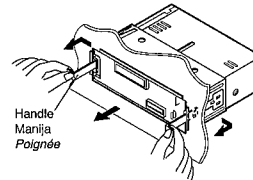
1



2



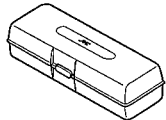
3



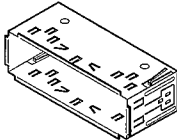
**Parts list for installation and connection**

The following parts are provided with this unit.  
After checking them, please set them correctly.

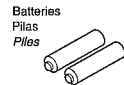
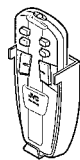
Hard case  
Estuche duro  
Etui de transport



Sleeve  
Cubierta  
Manchon

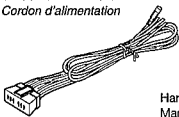


Remote controller and holder  
Mando a distancia y soporte  
Télécommande et support

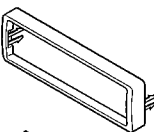


Batteries  
Pilas  
Piles  
R03(UM-4)/AAA(24F)

Power cord  
Cordón de alimentación  
Cordon d'alimentation



Trim plate  
Placa de guarnición  
Plaque d'assemblage



Washer (ø5)  
Arandela (ø5)  
Rondelle (ø5)



Lock nut (M5)  
Tuerca de seguridad (M5)  
Ecrou d'arrêt (M5)



Mounting bolt (M5 x 20 mm)  
Perno de montaje (M5 x 20 mm)  
Boulon de montage (M5 x 20 mm)



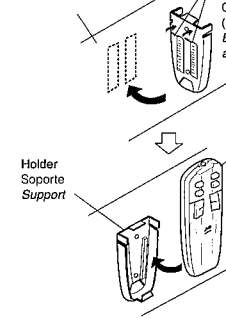
Rubber cushion  
Cojín de goma  
Amortisseur en caoutchouc



**Installation : Remote Controller  
Instalación : Mando a distancia  
Installation : Télécommande**

Dashboard, etc.  
Tablero de instrumentos, etc.  
Tableau de bord, etc.

Double-faced tape (not supplied with this unit)  
Cinta adhesiva de ambos lados (no suministrado con esta unidad)  
Bande double face (non fourni avec cet appareil)



Holder  
Soporte  
Support

Remote controller  
Mando a distancia  
Télécommande

- Before attaching the double-faced tape, wipe and clean the place where you plan to attach it.
- Antes de adherir la cinta de doble cara, limpie el sitio de instalación con un paño.
- Avant d'attacher la bande double face, essuyez et nettoyez l'emplacement où vous projetez de l'attacher.

ENGLISH

ELECTRICAL CONNECTIONS

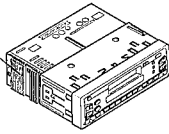
To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit. If you are not sure how to install this unit correctly, have it installed by a qualified technician.

Note:

This unit is designed to operate on 12 volts DC, **NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- If noise is a problem...  
This unit incorporates a noise filter in the power circuit. However, with some vehicles, clicking or other unwanted noise may occur. If this happens, connect the unit's **rear ground terminal** (See connection diagram below) to the car's chassis using shorter and thicker cords, such as copper braiding or gauge wire. If noise still persists, consult your JVC car audio dealer.
- Maximum input of the speakers should be more than 40 watts at the rear and 40 watts at the front, with an impedance of 4 to 8 ohms.
- **Be sure to ground this unit to the car's chassis.**
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.

Heat sink  
Sumidero térmico  
Dissipateur de chaleur



ESPAÑOL

CONEXIONES ELECTRICAS

Para evitar cortocircuitos, recomendamos que desconecte el terminal negativo de la batería y que efectúe todas las conexiones eléctricas antes de instalar la unidad. Si usted no está seguro de cómo instalar correctamente la unidad, hágala instalar por un técnico cualificado.

Nota:

Esta unidad está diseñada para funcionar con 12 voltios de CC, con sistemas eléctricos de masa **NEGATIVA**. Si su vehículo no posee este sistema, será necesario un inversor de tensión, que puede ser adquirido en los concesionarios de JVC de equipos de audio para automóviles.

- Reemplace el fusible por uno con la corriente especificada. Si el fusible se quemase frecuentemente consulte con su concesionario de JVC de equipos de audio para automóviles.
- Si el ruido fuese un problema...  
Esta unidad tiene un filtro de ruido en el circuito de alimentación. Sin embargo, en algunos vehículos, pueden producirse chasquidos u otros ruidos indeseados. En tal caso conecte el **terminal de tierra posterior** (Ver diagrama de conexión abajo) del receptor al chasis del automóvil, utilizando cordones más gruesos y cortos tales como alambre de cobre trenzado o de grueso calibre. Si el ruido persiste, consulte a su concesionario de JVC de equipos de audio para automóvil.
- La entrada máxima de los altavoces traseros debe ser mayor de 40 vatios y la de los delanteros de 40 vatios, con una impedancia de 4 a 8 ohmios.
- **Asegúrese de conectar esta unidad a tierra en el chasis del automóvil.**
- El sumidero térmico estará muy caliente después del uso. Asegúrese de no tocarlo al desmontar esta unidad.

FRANÇAIS

RACCORDEMENTS ELECTRIQUES

Pour éviter tout court-circuit, nous vous recommandons de débrancher la borne négative de la batterie et d'effectuer tous les raccordements électriques avant d'installer l'appareil. Si l'on n'est pas sûr de pouvoir installer correctement cet appareil, le faire installer par un technicien qualifié.

Remarque:

Cet appareil est conçu pour fonctionner sur des sources de courant continu de 12 volts à masse **NEGATIVE**. Si votre véhicule n'offre pas ce type d'alimentation, il vous faut un convertisseur de tension, que vous pouvez acheter chez un revendeur d'autoradios JVC.

- Remplacer le fusible par un de la valeur précisée. Si le fusible saute souvent, consulter votre revendeur d'autoradios JVC.
- Si le bruit est un problème...  
Cet appareil incorpore un filtre de bruit dans le circuit d'alimentation. Cependant, avec certains véhicules, quelques claquements ou autres bruits non désirés risquent de se produire. Si cela arrive, raccorder la borne de masse arrière de l'appareil au châssis de la voiture (voir le schéma de raccordement ci-dessous) en utilisant des cordons les plus gros et les plus courts possibles telle qu'une barre de cuivre ou une tresse. Si le bruit persiste, consulter votre revendeur d'autoradios JVC.
- La puissance admissible des haut-parleurs doit être supérieure à 40 watts à l'arrière et à 40 watts l'avant, avec une impédance de 4 à 8 ohms.
- **S'assurer de raccorder la mise à la masse de cet appareil au châssis de la voiture.**
- Le radiateur devient très chaud après usage. Faire attention de ne pas le toucher en retirant cet appareil.

A Typical Connections / Conexiones típicas / Raccordements typiques

**Before connecting:** Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit.

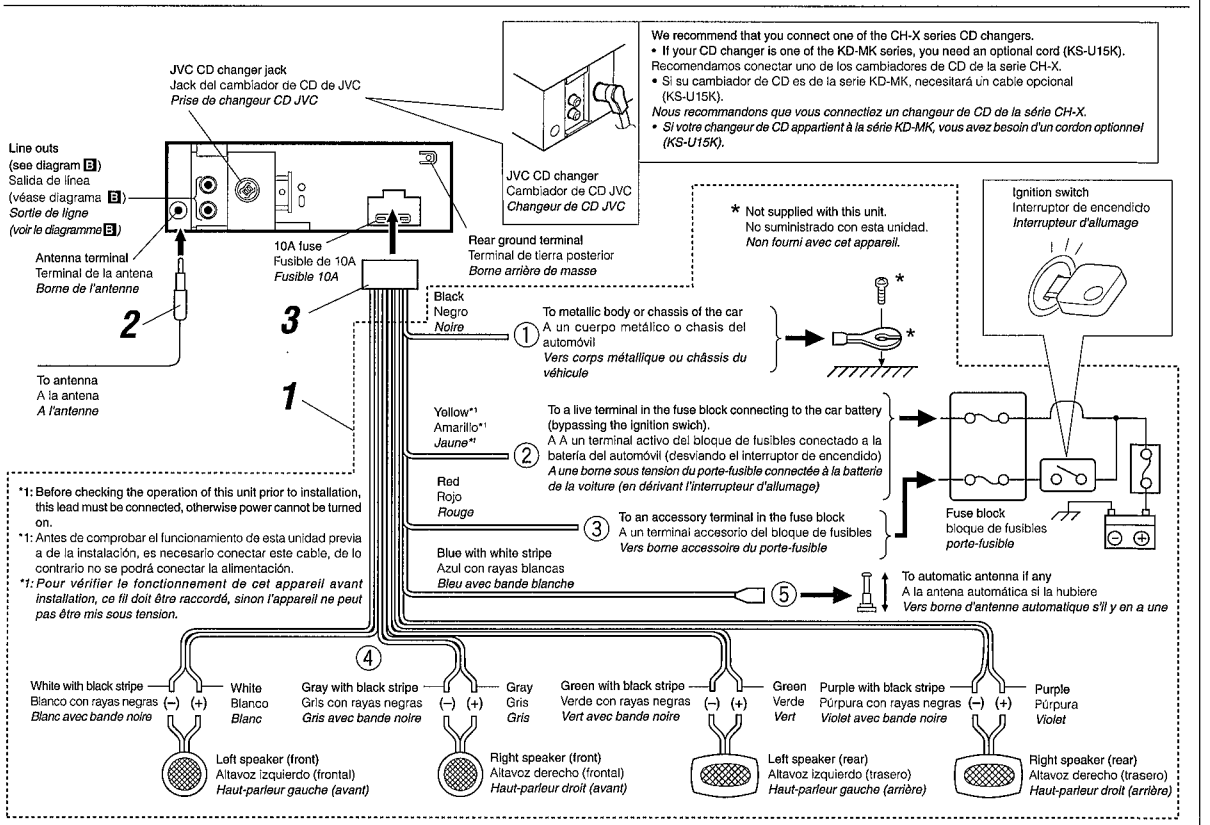
- 1 Connect the colored leads of the power cord to the car battery, speakers and automatic antenna (if any) in the following sequence:
  - ① Black: ground
  - ② Yellow: to car battery (constant 12V)
  - ③ Red: to an accessory terminal
  - ④ Others (except blue with white stripe): to speakers
  - ⑤ Blue with white stripe: to automatic antenna
- 2 Connect the antenna cord.
- 3 Finally connect the wiring harness to the unit.

**Antes de la conexión:** Verifique atentamente el conexionado del vehículo. Una conexión incorrecta podría producir daños graves en la unidad.

- 1 Conecte los conductores de color del cable de alimentación a la batería del automóvil, altavoces y antena automática (si la hubiere) en la secuencia siguiente:
  - ① Negro: a tierra.
  - ② Amarillo: a la batería del automóvil (12V constantes)
  - ③ Rojo: a un terminal de accesorio
  - ④ Otros, excepto azul con rayas blancas: a los altavoces
  - ⑤ Azul con rayas blancas: a la antena automática
- 2 Conecte el cable de antena.
- 3 Por último, conecte a la unidad el cableado preformado.

**Avant de commencer la connexion:** vérifiez attentivement le câblage du véhicule. Une connexion incorrecte peut endommager sérieusement l'appareil.

- 1 Connectez les fils de couleur du cordon d'alimentation à la batterie de la voiture, aux enceintes et à l'antenne automatique (s'il y en a une) dans l'ordre suivant:
  - ① Noir: à la masse
  - ② Jaune: à la batterie de la voiture (12V constant)
  - ③ Rouge: à la prise accessoire
  - ④ Autres fils à l'exception du fil bleu à bandes blanches: aux enceintes
  - ⑤ Bleu à bandes blanches: à l'antenne automatique
- 2 Connectez le cordon d'antenne.
- 3 Finalement, connectez le faisceau de fils à l'appareil.



**PRECAUTIONS on power supply and speaker connections:**

- DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.
- Connect the black lead (ground), yellow lead (to car battery, constant 12V), and red lead (to an accessory terminal) correctly.
- BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.
  - If the speaker wiring in your car is as illustrated in Fig. 1 and Fig. 2 below, DO NOT connect the unit using that original speaker wiring. If you do, the unit will be seriously damaged. Redo the speaker wiring so that you can connect the unit to the speakers as illustrated in Fig. 3.
  - If the speaker wiring in your car is as illustrated in Fig. 3, you can connect the unit using the original speaker wiring in your car.
  - If you are not sure of the speaker wiring of your car, consult your car dealer.

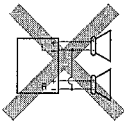


Fig. 1

**PRECAUCIONES sobre las conexiones de la fuente de alimentación y de los altavoces:**

- NO conecte los conductores de altavoz del cable de alimentación a la batería de automóvil, pues podrían producirse graves daños en la unidad.
- Conecte correctamente el conductor negro (a tierra), el conductor amarillo (a la batería del automóvil, 12V constantes), y el conductor rojo (a un terminal de accesorio).
- ANTES de conectar a los altavoces los conductores de altavoz del cable de alimentación, verifique el conexionado de altavoz de su automóvil.
  - Si el conexionado de altavoz de su automóvil es como se indica en las Figs. 1 y 2 de abajo, NO conecte la unidad utilizando ese conexionado de altavoz original. Si lo hace, se producirán daños graves en la unidad. Vuelva a efectuar el conexionado de altavoz de manera que pueda conectar la unidad a los altavoces de la manera indicada en la Fig. 3.
  - Si el conexionado de altavoz de su automóvil es como se indica en la Fig. 3, podrá conectar la unidad utilizando el conexionado de altavoz original de su automóvil.
  - Si tiene dudas sobre el conexionado de altavoz de su automóvil, consulte con su concesionario.

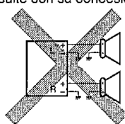


Fig. 2

**PRECAUTIONS sur l'alimentation et la connexion des enceintes:**

- NE CONNECTEZ PAS les fils d'enceintes du cordon d'alimentation à la batterie; sinon, l'appareil serait sérieusement endommagé.
- Connectez correctement le fil noir (à la masse), le fil jaune (à la batterie de la voiture, 12V constant) et le fil rouge (à la prise accessoire).
- AVANT de connecter les fils d'enceintes du cordon d'alimentation aux enceintes, vérifiez le câblage des enceintes de votre voiture.
  - Si le câblage des enceintes de votre voiture est réalisé comme montré sur la Fig. 1 ou Fig. 2 ci-dessous, NE CONNECTEZ PAS l'appareil en utilisant ce câblage original d'enceintes. Si vous le faites, l'appareil sera sérieusement endommagé. Recommencez le câblage des enceintes de façon que vous puissiez connecter l'appareil aux enceintes comme montré sur la Fig. 3.
  - Si le câblage des enceintes de votre voiture est comme montré sur la Fig. 3, vous pouvez connecter l'appareil en utilisant ce câblage original d'enceintes pour votre voiture.
  - Si vous n'êtes pas sûrs du câblage d'enceintes de votre voiture, consultez le concessionnaire de votre voiture.

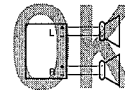
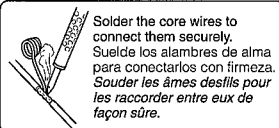


Fig. 3

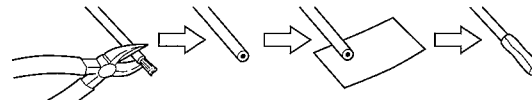
**Connecting the leads / Conexión de los conductores / Raccordement des fils**

Twist the core wires when connecting. Retuerza los alambres de alma para conectarlos. Torsader les âmes des fils en les raccordant.



**CAUTION / PRECAUCION / PRECAUTION:**

- To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
- Para evitar cortocircuitos, cubra los cables NO UTILIZADOS con cinta aislante.
- Pour éviter les court-circuits, couvrez les bornes des fils qui ne sont PAS utilisés avec de la bande isolante



**Connections Adding Other Equipment / Conexiones para añadir otros equipos / Raccordement pour ajouter d'autres appareils**

Since this unit has line-out terminals, an amplifier and other equipment can be used to upgrade your car stereo system.
 

- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that power can be supplied through this unit.
- For amplifier only, connect this unit's line-out terminals to the amplifier's line-in terminals.

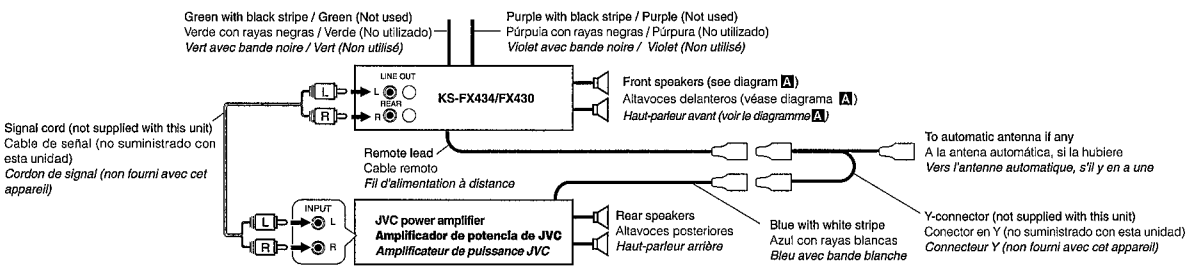
Como esta unidad posee terminales de salida de línea, se puede utilizar un amplificador u otro equipamiento para mejorar el sistema estereofónico de su automóvil.

- Conecte el cable remoto (azul con rayas blancas) al cable remoto del otro equipo para que pueda suministrarse energía a través de esta unidad.
- Sólo para el amplificador, conecte los terminales de salida de línea de esta unidad con los terminales de entrada de línea del amplificador.

Comme cet appareil a des bornes de sortie de ligne, un amplificateur et d'autres appareils peuvent être utilisés pour améliorer votre chaîne stéréo automobile.

- Connecter le fil d'alimentation à distance (bleu avec des bandes blanches) au fil d'alimentation à distance de l'autre appareil de façon qu'il puisse être alimenté par cet appareil.
- Pour l'amplificateur seulement, raccorder les bornes de sortie ligne de cet appareil aux bornes d'entrée ligne de l'amplificateur.

**Amplifier / Amplificador / Amplificateur**



**TROUBLESHOOTING**

- The fuse blows.
  - Are the red and black leads connected correctly?
- Power cannot be turned on.
  - Is the yellow lead connected?
- No sound from the speakers.
  - Is the speaker output lead short-circuited?
- Sound is distorted.
  - Is the speaker output lead grounded?
  - Are the "-" terminals of L and R speakers grounded in common?
- Unit becomes hot.
  - Is the speaker output lead grounded?
  - Are the "-" terminals of L and R speakers grounded in common?

**LOCALIZACION DE AVERIAS**

- El fusible se quema.
  - ¿Están los conductores rojo y negro correctamente conectados?
- No es posible conectar la alimentación.
  - ¿Está el cable amarillo conectado?
- No sale sonido de los altavoces.
  - ¿Está el cable de salida del altavoz cortocircuitado?
- El sonido presenta distorsión.
  - ¿Está el cable de salida del altavoz conectado a masa?
  - ¿Están los terminales "-" de los altavoces L y R conectados a una masa común?
- La unidad se calienta.
  - ¿Está el cable de salida del altavoz conectado a masa?
  - ¿Están los terminales "-" de los altavoces L y R conectados a una masa común?

**EN CAS DE DIFFICULTÉS**

- Le fusible saute.
  - Les fils rouge et noir sont-ils raccordés correctement?
- L'appareil ne peut pas être mise sous tension.
  - Le fil jaune est-elle raccordée?
- Pas de son des haut-parleurs.
  - Le fil de sortie de haut-parleur est-il court-circuité?
- Le son est déformé.
  - Le fil de sortie de haut-parleur est-il à la masse?
  - Les bornes "-" des haut-parleurs gauche et droit sont-elles mises ensemble à la masse?
- L'appareil devient chaud.
  - Le fil de sortie de haut-parleur est-il à la masse?
  - Les bornes "-" des haut-parleurs gauche et droit sont-elles mises ensemble à la masse?

# JVC

KS-FX434/FX430

CASSETTE RECEIVER

KS-FX434/FX430

ENGLISH

RECEPTOR-REPRODUCTOR DE  
CASSETTE

KS-FX434/FX430

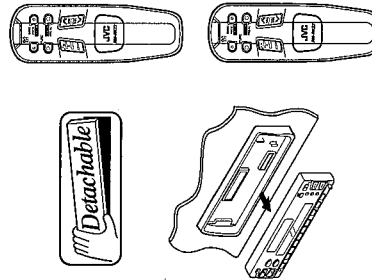
ESPAÑOL

RADIOCASSETTE

KS-FX434/FX430

Français

DIGIFINE



For installation and connections, refer to the separate manual.  
 Para la instalación y las conexiones, refiérase al manual separado.  
 Pour l'installation et les raccordements, se référer au manuel séparé.

**For customer Use:**  
 Enter below the Model No. and  
 Serial No. which are located on  
 the top or bottom of the cabinet.  
 Retain this information for future  
 reference.

Model No. \_\_\_\_\_  
 Serial No. \_\_\_\_\_

**INSTRUCTIONS**  
 MANUAL DE INSTRUCCIONES  
 MANUEL D'INSTRUCTIONS

EN, SP, FR

Printed in Singapore  
1297MMIMDWJES

FSUN3073-631S [J]

Thank you for purchasing a JVC product. Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

# CONTENTS

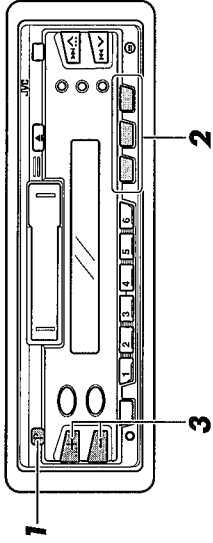
- BASIC OPERATIONS** ..... 3
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  - FM station automatic preset: SSM ..... 5
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**BEFORE USE**

- \* For safety...
- \* Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- \* Stop the car before performing any complicated operations.
- \* Temperature inside the car... If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

# BASIC OPERATIONS

ENGLISH



**Note:**  
When you use this unit for the first time, set the built-in clock correctly, see page 14.

**1** Turn on the power.

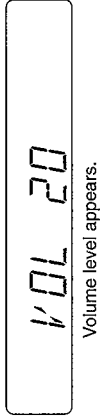
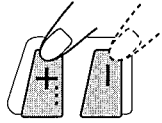
**Note on One-Touch Operation:**  
When you select a source in step 2 below, the power automatically comes on. You do not have to press this button to turn on the power.

**2** Select the source.



To operate the tuner, see pages 4 – 8.  
To operate the tape deck, see pages 9 – 10.  
To operate the CD changer, see pages 18 – 20.

**3** Adjust the volume.



Volume level appears.

**4** Adjust the sound as you want (see pages 11 – 13).

**To drop the volume in a moment**

Press P ATT briefly while listening to any source. "ATT" starts flashing on the display, and the volume level will drop in a moment. To resume the previous volume level, press the button briefly again.

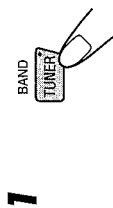
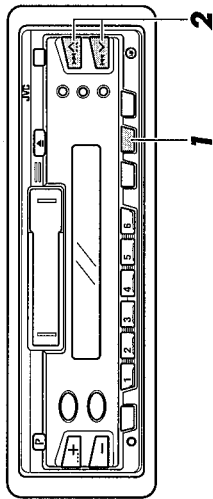
**To turn off the power**

Press P ATT for more than 1 second.



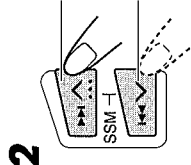
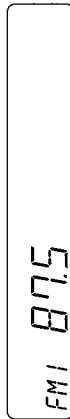
# RADIO OPERATIONS

## Listening to the radio



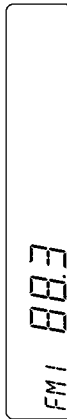
**1** Select the band (FM1, FM2, FM3 or AM).  
You can select any one of FM1, FM2, and FM3 to listen to an FM station.

→ FM1 → FM2 → FM3 → AM



**2** To search stations of higher frequencies. When a station is received, searching stops.

To search stations of lower frequencies.



To stop searching before a station is received, press the same button you have pressed for searching.

### To tune in a particular frequency manually:

- 1 Press TUNER/BAND repeatedly to select the band (FM or AM).
- 2 Press and hold SSM  $\blacktriangleright$   $\blacktriangleleft$  or SSM  $\blacktriangleleft$   $\blacktriangleright$  until "M" starts flashing on the display. Now you can manually change the frequency while "M" is flashing.
- 3 Press SSM  $\blacktriangleright$   $\blacktriangleleft$  or SSM  $\blacktriangleleft$   $\blacktriangleright$  repeatedly until the frequency you want is reached.
  - if you hold down the button, the frequency keeps changing until you release the button.

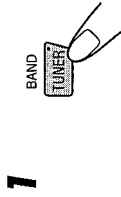
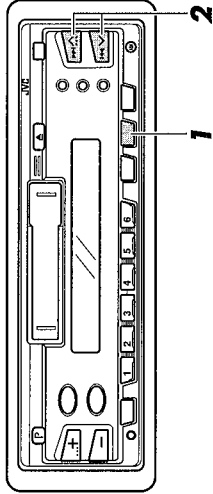
## Storing stations in memory

You can use one of the following two methods to store broadcasting stations in memory.

- Automatic preset of FM stations: SSM (Strong-station Sequential Memory)
- Manual preset of both FM and AM stations

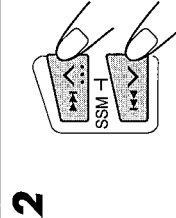
### FM station automatic preset: SSM

You can preset 6 local FM stations in each FM band (FM1, FM2, and FM3).

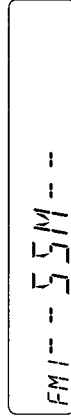


**1** Select the FM band number (FM1, FM2 or FM3) you want to store FM stations into.

→ FM1 → FM2 → FM3 → AM



**2** Press and hold both buttons for more than 3 seconds.



"SSM" appears, then disappears when automatic preset is over.

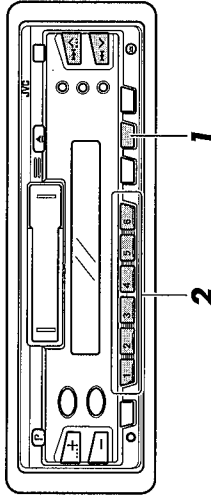
Local FM stations with the strongest signals are searched and stored automatically in the band number you have selected (FM1, FM2 or FM3). These stations are preset in the number buttons — No. 1 (lowest frequency) to No. 6 (highest frequency).  
When automatic preset is over, the station stored in number button 1 will be automatically tuned in.

ENGLISH



### Tuning into a preset station

You can easily tune into a preset station. Remember that you must store stations first. If you have not stored them yet, see pages 5 and 6.



**1** Select the band (FM1, FM2, FM3 or AM) you want.  
 → FM1 → FM2 → FM3 → AM

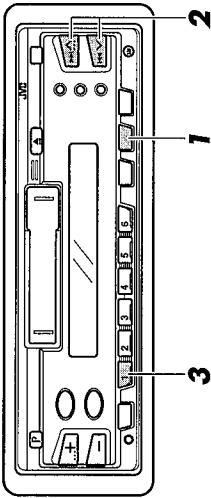
**2** Select the number (1 – 6) for the preset station you want.



### Manual preset

You can preset up to 6 stations in each band (FM1, FM2, FM3 and AM) manually.

EXAMPLE: Storing an FM station of 88.3 MHz into the preset number 1 of the FM1 band



**1** Select the FM1 band.  
 FM1 87.5

**2** Tune into a station of 88.3 MHz. See page 4 to tune into a station.  
 FM1 88.3

**3** Press and hold the button for more than 1 second.  
 FM1 88.3 Preset number "1" starts flashing for a while.

**4** Repeat the above procedure to store other stations into other preset numbers.

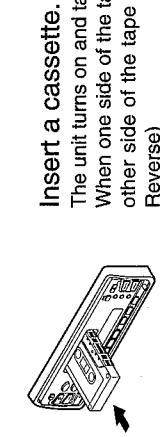
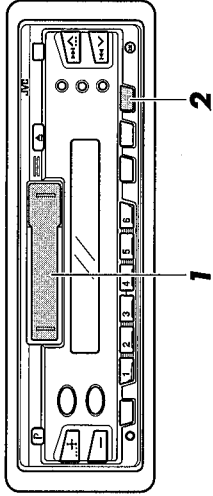
**Notes:**

- A previously preset station is erased when a new station is stored in the same preset number.
- Preset stations are erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the stations again.

# TAPE OPERATIONS

ENGLISH

## Listening to a tape



**1** Insert a cassette.  
The unit turns on and tape play starts automatically. When one side of the tape reaches its end during play, the other side of the tape automatically starts playing. (Auto Reverse)

### Note on One-Touch Operation:

When a cassette is already in the cassette compartment, pressing TAPE/PROG turns on the unit and starts tape play automatically.

**2** Select the tape direction.  
Each time you press the button, the tape direction changes alternatively — forward (TAPE →) and reverse (TAPE ←).

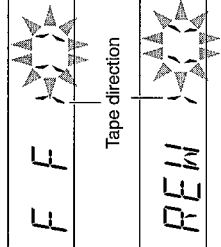


## To stop play and eject the cassette

Press **▲**.  
Tape play stops and the cassette automatically ejects from the cassette compartment. If you change the source to AM/FM or CD changer, the tape play also stops (without ejecting the cassette this time).  
• You can also eject the tape with the unit turned off.

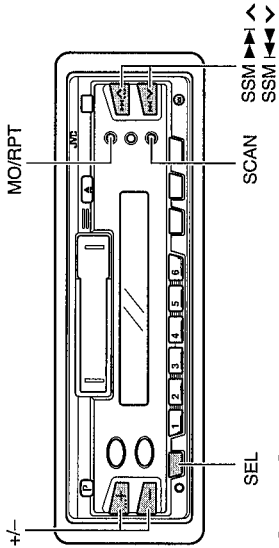
## To fast-forward and rewind a tape

- Press SSM **▶▶** **▲** for more than 1 second to fast-forward the tape.  
When the tape reaches its end, the tape is reversed and playback starts from the beginning of the other side.
- Press SSM **◀◀** **▼** for more than 1 second to rewind the tape.  
When the tape reaches its end, playback of the same side starts.



To stop fast-forward and rewind at any position on the tape, press TAPE/PROG. Tape play starts from that position on the tape.

## Other convenient tuner functions



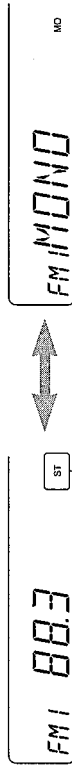
### Scanning broadcast stations

When you press SCAN while listening to the radio, station scanning starts. Each time a broadcast is tuned in, scanning stops for about 5 seconds (tuned frequency number flashes on the display), and you can check what program is now being broadcast.

If you want to listen to that program, press the same button again to stop scanning.

### Selecting FM reception sound

When an FM stereo broadcast is hard to receive:  
Press MO/RPT (Mono/Repeat) while listening to an FM stereo broadcast. The sound you hear becomes monaural but reception will be improved.



Lights up when receiving an FM broadcast in stereo.  
To restore the stereo effect, press the same button again.

### Changing the AM/FM channel intervals

When using this unit in an area other than North or South America:  
When this unit is shipped from the factory, the channel intervals are set to 10 kHz for AM and 200 kHz for FM. You can change the channel intervals by following the procedure below.

- 1 Press SEL (select) for more than 2 seconds.  
"CLK ADJ," "BEEP" or "AREA" appears on the display.
- 2 If "AREA" does not appear, press SEL repeatedly until it appears.  
3 Press +.  
"AREA 2" appears and the channel intervals are set to 9 kHz for AM and 50 kHz (for manual tuning) / 100 kHz (for searching) for FM.

To reset to the factory setting, follow the above step 1 and 2, then press - in step 3 ("AREA 1" appears on the display.)

- AREA 1: Select this when used in North or South America.
- AREA 2: Select this when used in an area other than North and South America.

# SOUND ADJUSTMENTS

ENGLISH

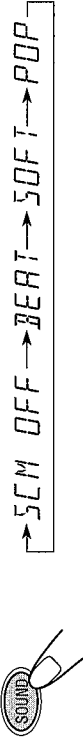
## Turning on/off the loudness function

The human ear is less sensitive to low and high frequencies at low volumes. The loudness function can boost these frequencies to produce a well-balanced sound at low volume level. Each time you press **LOUD**, the loudness function turns on/off alternatively.



## Selecting preset sound modes

You can select a preset sound adjustment suitable to the music genre. Each time you press **SOUND**, the sound mode changes as follows.



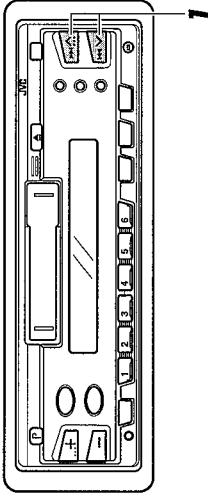
Indication	For:	Preset values		
		Bass	Treble	Loudness
SCM OFF	(Flat sound)	00	00	On
BEAT	Rock or disco music	+2	00	On
SOFT	Quiet background music	+1	-3	Off
POP	Light music	+4	+1	Off

### Notes:

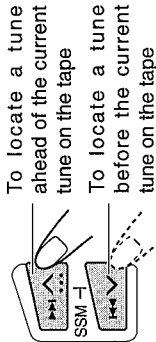
- You can adjust the preset sound mode to your preference, and store it in memory. If you want to adjust and store your original sound mode, see "Storing your own sound adjustments" on page 13.
- To adjust only the bass and treble reinforcement levels to your preference, see "Adjusting the sound" on page 12.

## Finding the beginning of a tune

Multi Music Scan allows you to automatically start playback from the beginning of a specified tune. You can specify up to 9 tunes ahead or before the current tune.



### 1 During playback



Specify how many tunes ahead of or before the current tune the tune you want is located.

Each time you set the tune, the number changes up to  $\pm 9$ .

When the beginning of the specified tune is located, playback starts automatically.

### Notes:

- While locating a specified tune:
  - If the tape is rewound to its beginning, playback starts from the beginning of that side.
  - If the tape is fast forwarded to the end, it is reversed and played from the beginning of the other side.
- In the following cases, the Multi Music Scan function may not operate correctly.
  - Tapes with tunes having long pianissimo passages (very quiet parts) or non-recorded portions during tunes.
  - Tapes with short non-recorded sections.
  - Tapes with high level noise or humming between tunes.

## Other convenient tape functions

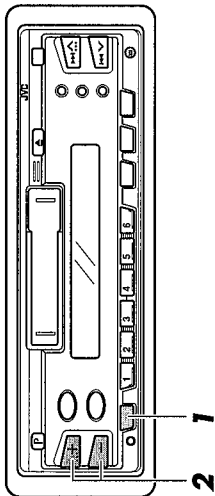
### Prohibiting tape ejection

You can prohibit the tape ejection and can "lock" a tape in the cassette compartment. Press and hold **TAPE** and **▲** for more than 2 seconds. "EJECT" flashes on the display for about 5 seconds, and the tape is "locked."  
**To cancel the prohibition and "unlock" the tape**, press and hold **TAPE** and **▲** for more than 2 seconds again. "EJECT" flashes again for about 5 seconds, and this time the tape is "unlocked."



### Adjusting the sound

You can adjust the treble/bass sound and the speaker balance.



1



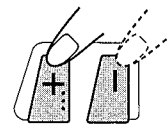
Select the item you want to adjust.

→ BAS → TRE → FAD → BAL → VOL →

Indication	To do:	Range
BAS (bass)	Adjust the bass	-6 (min.) — +6 (max.)
TRE (treble)	Adjust the treble	-6 (min.) — +6 (max.)
FAD (Fader)*	Adjust the front and rear speaker balance	R6 (rear only) — F6 (front only)
BAL (Balance)	Adjust the left and right speaker balance	L6 (left only) — R6 (right only)
VOL (Volume)	Adjust the volume	00 (min.) — 50 (max.)

Note:  
\* If you are using a two-speaker system, set the fader level to "00" (center).

2

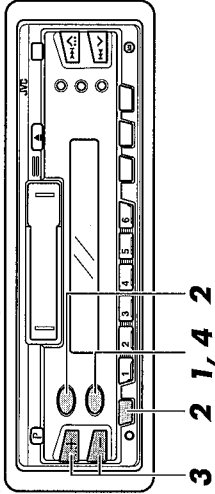


Adjust the level.

Note:  
Normally the + and - buttons work as the volume control buttons.  
So you do not have to select "VOL" to adjust the volume level.

### Storing your own sound adjustments

You can adjust the sound modes (BEAT, SOFT, POP: see page 11) to your preference and store your own adjustments in memory.



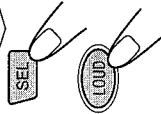
1



Call up the sound mode you want to adjust.  
See page 11 for details.

Within 5 seconds

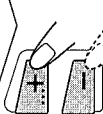
2



To adjust the bass or treble sound level  
Select "BAS" or "TRE."  
To turn on or off the loudness function  
Each time you press LOUD, the loudness function turns on and off alternatively. (→ go to step 4)

Within 5 seconds

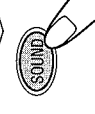
3



Adjust the bass or treble level.  
See page 12 for details.

Within 5 seconds

4



Press and hold SOUND until the sound mode you have selected in step 1 flashes on the display.  
Your setting is stored in memory.

5

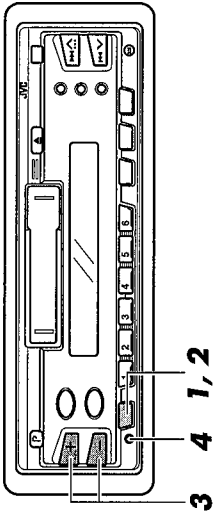
Repeat the same procedure to store other settings.

### To reset to the factory settings

Repeat the same procedure and reassign the preset values listed in the table on page 11.

# OTHER MAIN FUNCTIONS

## Setting the clock



**1** Press and hold the button for more than 2 seconds. "CLK ADJ," "BEEP" or "AREA" appears on the display.

**2** Select "CLK ADJ" if not shown on the display.  
 → CLK ADJ → BEEP → AREA

**3** Set the clock.  
 To adjust the minute.  
 To adjust the hour.

**4** Start the clock.

## To check the current clock time (changing the display mode)

Press DISP repeatedly. Each time you press the button, the display mode changes as follows.

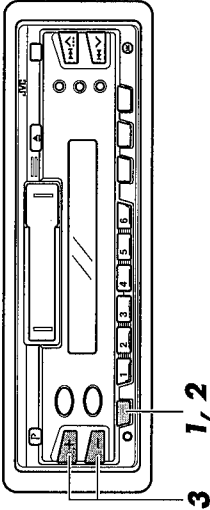
<b>During tuner operation:</b> Frequency ← → Clock	<b>During tape operation:</b> Play mode ← → Clock	<b>During CD operation:</b> Elapsed playing time ← → Clock
---	--	---

• If the unit is not in use when you press DISP, the power turns on, the clock time is shown for 5 seconds, then the power turns off.

## ENGLISH

## Turning on/off the key-touch tone

You can deactivate the key-touch tone if you do not want to make it beep when you press a button. (When shipped from the factory, the key-touch tone is activated.)



**1** Press and hold the button for more than 2 seconds. "CLK ADJ," "BEEP" or "AREA" appears on the display.

**2** Select "BEEP" if not shown on the display.  
 → CLK ADJ → BEEP → AREA

**3** To activate the key-touch tone (ON).  
 To deactivate the key-touch tone (OFF).



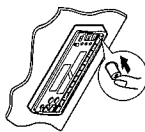
## Detaching the control panel

You can detach the control panel when leaving the car. When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

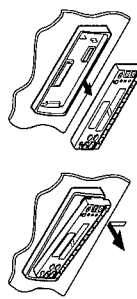
### How to detach the control panel

Before detaching the control panel, be sure to turn off the power.

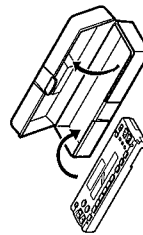
#### 1 Unlock the control panel.



#### 2 Lift and pull the control panel out of the unit.

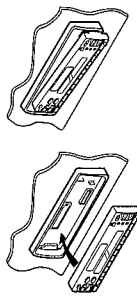


#### 3 Put the detached control panel into the provided case.

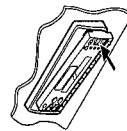


### How to attach the control panel

#### 1 Insert the left side of the control panel into the groove on the panel holder.

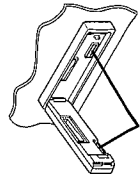


#### 2 Press the right side of the control panel to fix it to the panel holder.



#### Note on cleaning the connectors:

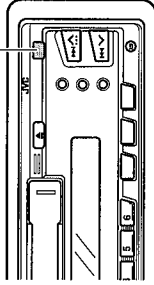
If you frequently detach the control panel, the connectors will deteriorate. To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



Connectors

## REMOTE OPERATIONS

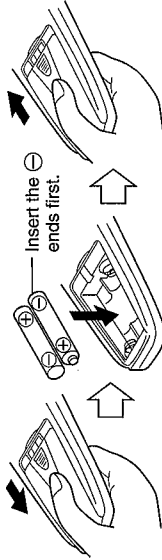
Remote sensor



- Before using the remote controller:
- Aim the remote controller directly at the remote sensor on the main unit. Make sure there is no obstacle in between.
  - Do not expose the remote sensor to strong light (direct sunlight or artificial lighting).

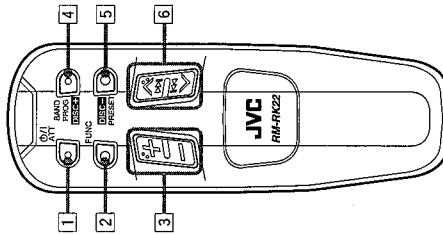
## Installing the batteries

R03(UM-4)/AAA(24F)



When the controllable range or effectiveness of the remote controller decreases, replace the batteries — R03(UM-4)/AAA(24F).

## Using the remote controller



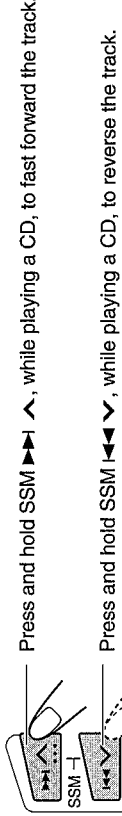
- 1 Functions the same as the P ATT button on the main unit.
- 2 Selects the source.  
Each time you press FJNC (function), the source changes.
- 3\* Functions as the +/- buttons on the main unit.
- 4 • Functions as the BAND button while listening to the radio.  
Each time you press the button, the band changes.  
• Functions as the DISC + button while listening to the CD changer.  
Each time you press the button, the disc number increases, and selected disc starts playing.
- 5 • Functions as the PROG button while listening to the tape.  
Each time you press the button, the tape direction changes.  
• Functions as the PRESET button while listening to the radio.  
Each time you press the button, the preset station number increases, and selected station is tuned in.  
• Functions as the DISC - button while listening to the CD changer.  
Each time you press the button, the disc number decreases, and selected disc starts playing.
- 6 • Functions as the station search buttons while listening to the radio.  
• Functions as the fast-forward/rewind buttons or the Multi Music Scan buttons while listening to the tape.  
• Functions as the fast-forward/reverse buttons or track selecting buttons while listening to the CD changer.

**Note:**  
\* These buttons cannot be used for the clock (CLK ADJ), beep (BEEP), and FM/AM channel intervals (AREA) adjustments (see pages 14, 15, 8).

ENGLISH



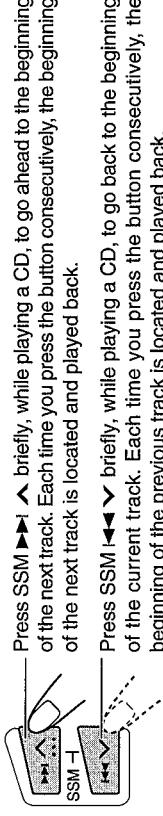
**To fast forward or reverse the track**



Press and hold SSM >>> briefly, while playing a CD, to fast forward the track.

Press and hold SSM <<< briefly, while playing a CD, to reverse the track.

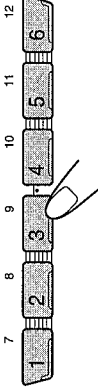
**To go to the next track or the previous track**



Press SSM > briefly, while playing a CD, to go ahead to the beginning of the next track. Each time you press the button consecutively, the beginning of the next track is located and played back.

Press SSM < briefly, while playing a CD, to go back to the beginning of the current track. Each time you press the button consecutively, the beginning of the previous track is located and played back.

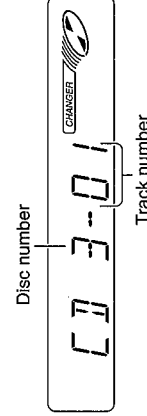
**To go to a particular disc directly**



Press the number button corresponding to the disc number to start its playback.

- To select a disc number from 1 - 6: Press 1 (7) - 6 (12) briefly.
- To select a disc number from 7 - 12: Press and hold 1 (7) - 6 (12) for more than 1 second.

Ex. When disc number 3 is selected



**CD CHANGER OPERATIONS**



We recommend that you use one of the CH-X series with your unit.

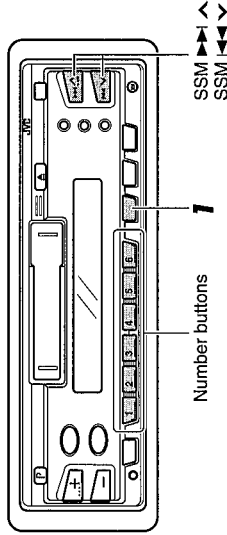
If you have another CD automatic changer, consult your JVC car audio dealer for connections.

- For example, if your CD automatic changer is one of the KD-MK series, you need a cord (KS-U15K) for connecting it to this unit.

Before operating your CD automatic changer:

- Refer also to the instructions supplied with your CD changer.
- If no discs are in the magazine of the CD changer or the discs are inserted upside down, "NO CD" or "NO DISC" will appear on the display. If this happens, remove the magazine and set the discs correctly.
- If "RESET 1" or "RESET 3" appears on the display, something is wrong with the connection between this unit and the CD changer. If this happens, check the connection, connect the connecting cord(s) firmly if necessary, then press the reset button of the CD changer.

**Playing CDs**



Number buttons

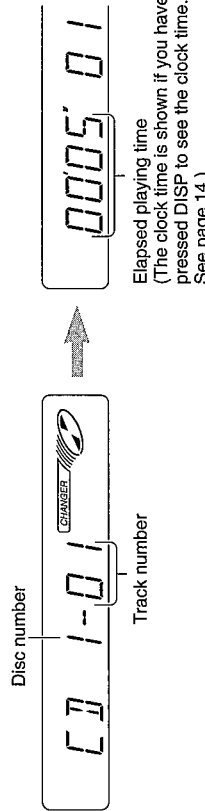
SSM >>>  
SSM <<<

**1**



**Select the CD automatic changer.**

Playback starts from the first track of the first disc.  
All tracks of all discs are played back.



Elapsed playing time  
(The clock time is shown if you have pressed DISP to see the clock time.  
See page 14.)

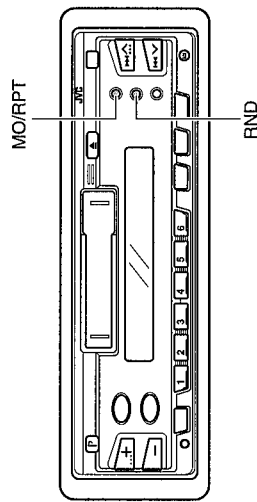
**Note on One-Touch Operation:**

When you press CD-CH, the power automatically comes on. You do not have to press P ATT to turn on the power.



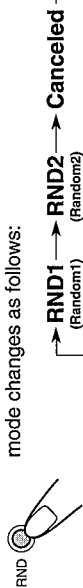


## Selecting CD playback modes



### To play back tracks at random (Random Play)

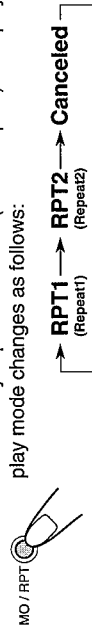
Each time you press RND (Random) while playing a CD, CD random play mode changes as follows:



Mode	RND Indicator	Plays at random
RND1	Lights	All tracks of the current disc, then the tracks of the next disc, and so on.
RND2	Flashes	All tracks of all discs inserted in the magazine.

### To play back tracks repeatedly (Repeat Play)

Each time you press MO/RPT (Mono/Repeat) while playing a CD, CD repeat play mode changes as follows:



Mode	RPT Indicator	Plays repeatedly
RPT1	Lights	The current track (or specified track).
RPT2	Flashes	All tracks of the current disc (or specified disc).

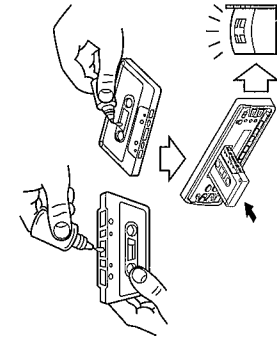
# MAINTENANCE



## To extend the lifetime of the unit

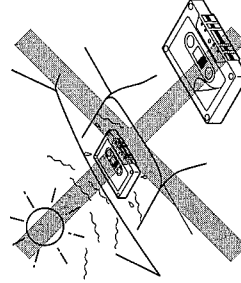
This unit requires very little attention, but you will be able to extend the life of the unit if you follow the instructions below.

### To clean the heads



- Clean the heads after every 10 hours of use using a wet-type head cleaning tape (available at an audio store).  
When the head becomes dirty, you may realize the following symptoms:
  - Sound quality is reduced.
  - Sound level decreases.
  - Sound drops out.
- Do not play dirty or dusty tapes.
- Do not touch the highly-polished head with any metallic or magnetic tools.

### To keep the tape clean



- Always store the tapes to their storage cases after use.
- Do not store tapes in the following places:
  - Subject to direct sunlight
  - With high humidity
  - At extremely hot temperatures

### CAUTIONS:

- Do not play the tapes with peeling labels; otherwise, they can damage the unit.
- Tighten tapes to remove slack since loose tape may become entangled with the mechanism.
- Do not leave a cassette in the cassette compartment after use, as the tape may become slack.

The function below is also provided to ensure the longer life of this unit.

### Ignition key-off Release/ Ignition key-on play

- When you turn off the ignition key with a cassette in the compartment, the unit automatically releases the tape from its head.
- When you turn on the ignition key with a cassette in the compartment, playback automatically starts.

# SPECIFICATIONS

## CASSETTE DECK SECTION

Wow & Flutter: 0.11% (WRMS)  
 Fast-Wind Time: 100 sec. (C-60)  
 Frequency Response:  
 50 to 16,000 Hz (± 3dB)  
 Signal-to-Noise Ratio: 54 dB  
 Stereo Separation: 40 dB

## GENERAL

Power Requirement:  
 Operating Voltage: DC 14.4 volts (11 to 16 volts allowance)  
 Grounding System: Negative ground  
 Dimensions (W x H x D):  
 Installation Size: 182 x 52 x 150 mm  
 (7-3/16" x 2-1/16" x 5-15/16")  
 Panel Size: 188 x 58 x 14 mm  
 (7-7/16" x 2-5/16" x 5/8")  
 Mass: 1.4 kg (3.1 lbs) (excluding accessories)

*Design and specifications subject to change without notice.*

If a kit is necessary for your car, consult your telephone directory for the nearest car audio speciality shop.

## AUDIO AMPLIFIER SECTION

Maximum Power Output:  
 Front: 40 watts per channel  
 Rear: 40 watts per channel  
 Continuous Power Output (RMS):  
 Front: 16 watts per channel into 4 , 40 to 20,000 Hz at no more than 0.8% total harmonic distortion.  
 Rear: 16 watts per channel into 4 , 40 to 20,000 Hz at no more than 0.8% total harmonic distortion.

Load Impedance: 4 (4 to 8 allowance)  
 Tone Control Range:  
 Bass: ±10 dB at 100 Hz  
 Treble: ±10 dB at 10 kHz  
 Frequency Response: 40 to 20,000 Hz  
 Signal-to-Noise Ratio: 70 dB  
 Line-Out Level/Impedance: 1.0 V/20 k load (250 nWb/m)

## TUNER SECTION

Frequency Range:  
 FM: 87.5 to 107.9 MHz  
 (with channel interval set to 200 kHz)  
 87.5 to 108.0 MHz  
 (with channel interval set to 50 kHz)  
 AM: 530 to 1,710 kHz  
 (with channel interval set to 10 kHz)  
 531 to 1,602 kHz  
 (with channel interval set to 9 kHz)

[FM Tuner]  
 Usable Sensitivity: 11.3 dBf (1.0 µV/75 )  
 50 dB Quieting Sensitivity:  
 16.3 dBf (1.8 µV/75 )  
 Alternate Channel Selectivity (400 kHz):  
 65 dB  
 Frequency Response: 40 to 15,000 Hz  
 Stereo Separation: 35 dB  
 Capture Ratio: 1.5 dB

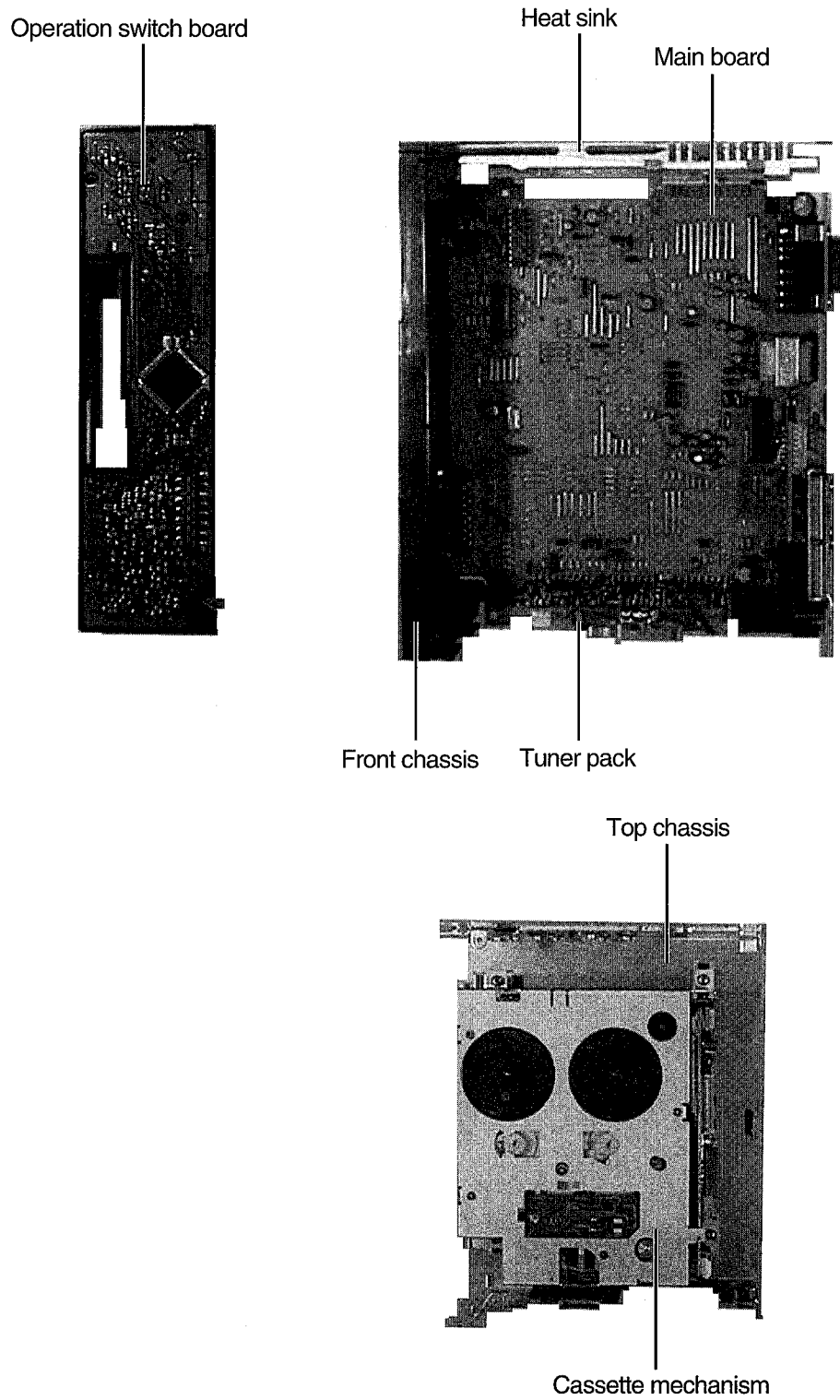
[AM Tuner]  
 Sensitivity: 20 µV  
 Selectivity: 35 dB

# TROUBLESHOOTING

What appears to be trouble is not always serious. Check the following points before calling a service center.

Symptoms	Causes	Remedies
• A cassette tape cannot be inserted.	You have tried to insert a cassette in the wrong way.	Insert the cassette with the exposed tape facing right.
• Cassette tapes become hot.	This is not a malfunction.	_____
• Tape sound is at very low level and sound quality is degraded.	The tape head is dirty.	Clean it with a head cleaning tape.
• Sound is sometimes interrupted.	Connections are not good.	Check the cords and connections.
• Sound cannot be heard from the speakers.	The volume control is turned to the minimum level. Connections are incorrect.	Adjust it to the optimum level. Check the cords and connections.
• SSM (Strong-station Sequential Memory) automatic preset does not work.	Signals are too weak.	Store stations manually.
• Static noise while listening to the radio.	The antenna is not connected firmly.	Connect the antenna firmly.
• "NO CD" or "NO DISC" appears on the display.	No CD is in the magazine. CDs are inserted incorrectly.	Insert CDs into the magazine. Insert them correctly.
• "RESET 8" appears on the display.	This unit is not connected to a CD changer correctly.	Connect this unit and the CD changer correctly and press the reset button of the CD changer.
• "RESET 1 - RESET 7" appears on the display.	_____	Press the reset button of the CD changer.
• The unit does not work at all.	The built-in microcomputer may function incorrectly due to noise, etc.	While holding SEL, press P ATT for more than 2 seconds to reset the unit. (The clock setting and preset stations stored in memory are erased.)

# Location of Main Parts



## Removal of Main Parts

### ■ Detaching the Front Panel Unit ( See Fig.1 )

Press the Release button in the direction of arrow to detach the front panel unit.

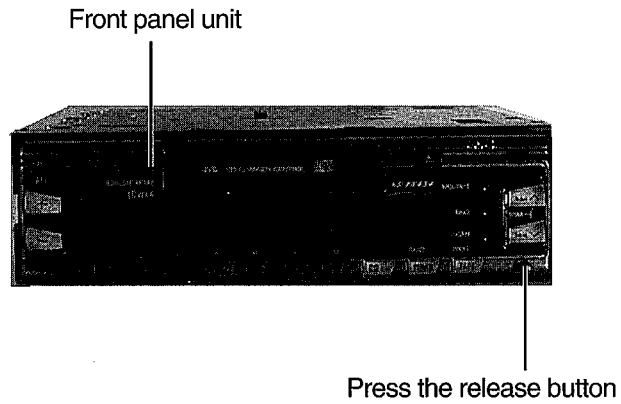


Fig. 1

### ■ Removing the Front Chassis ( See Fig. 2,3 )

Disengage the four tabs (a) in the right and left sides of unit and pull the front chassis forward to remove it.

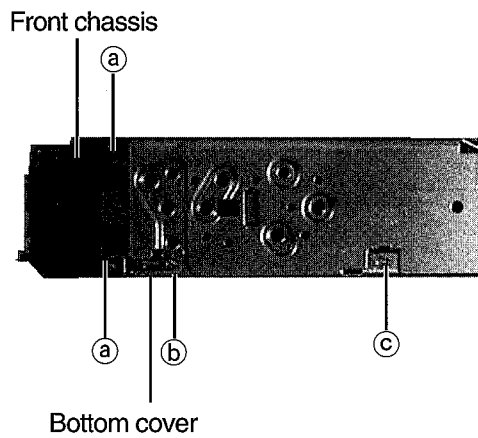


Fig. 2

### ■ Removing the Bottom Cover ( See Fig. 2-4 )

1. Removing the front chassis.
2. Turn the unit up side down.
3. insert the four engagements ( a b c d e ) to the screwdriver .
4. Turn the screwdriver and remove the bottom cover.

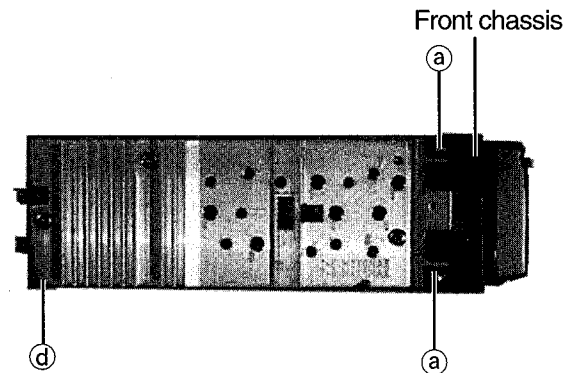


Fig. 3

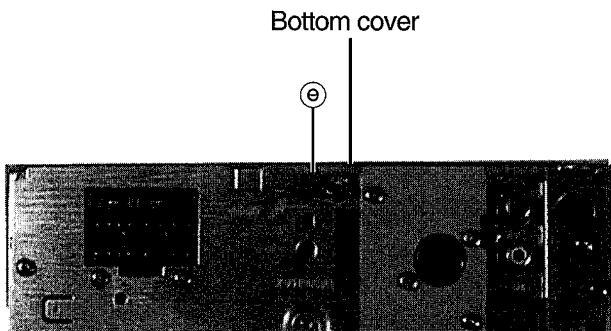


Fig. 4

■ **Removing the Heat Sink ( See Fig. 5 )**

1. Removing the front chassis.
2. Removing the bottom cover.
3. Remove the three screws ① retaining the heat sink.

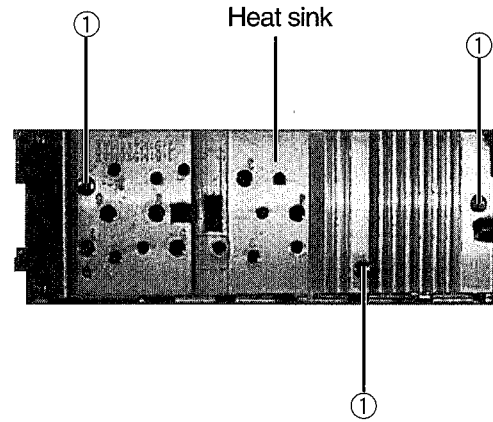


Fig. 5

■ **Removing the Main Board Assembly ( See Fig. 6 ,7 )**

1. Removing the front chassis.
2. Removing the bottom cover.
3. Removing the heat sink.
4. Remove the two screws ② retaining the main board assembly.
5. Remove the three screws ③ retaining the rear panel .
6. Separate the main board assembly and cassette mechanism assembly.
7. Take out the main board assembly.

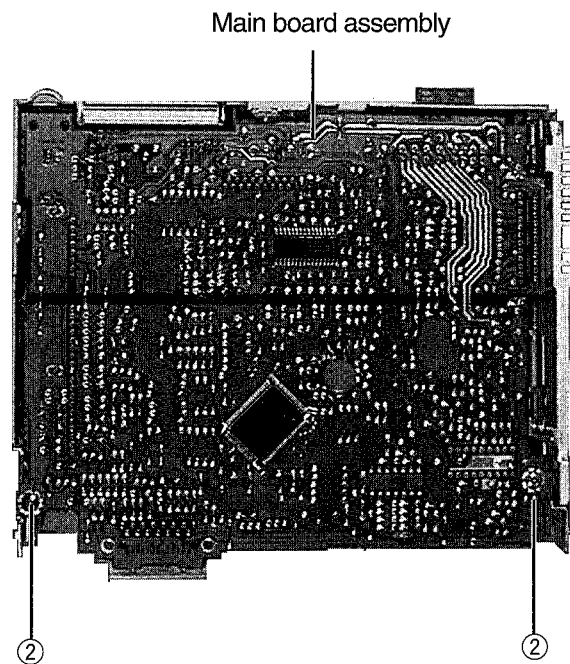


Fig. 6

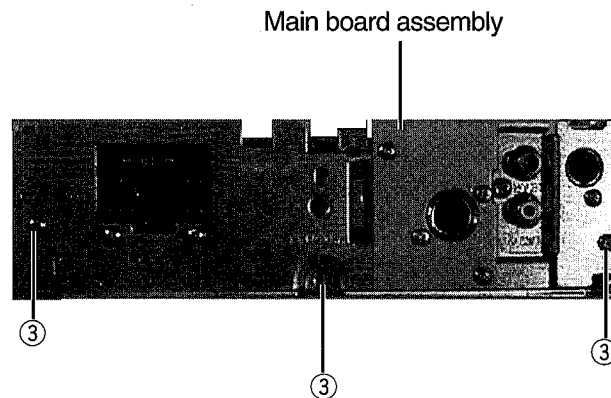


Fig. 7

■ Removing the Cassette Mechanism ( See Fig. 8 )

1. Removing the front chassis.
2. Removing the bottom cover.
3. Removing the heat sink.
4. Removing the main board assembly.
5. Remove the four screws ④ retaining the cassette mechanism.
6. Separate the top chassis and cassette mechanism.

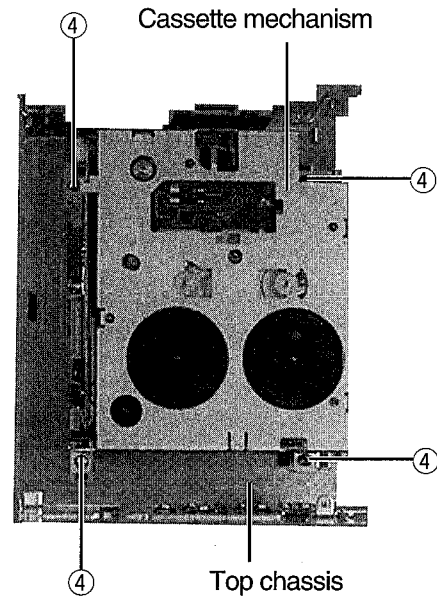


Fig. 8

■ Removing the Operation Switch board ( See Fig. 9~13 )

1. Detaching the front panel unit.
2. Turn the front panel back side down.
3. Remove the four screws ⑤ retaining the front cover.
4. Turn the front panel right side down.
5. Insert and disengage ① the two engagements to the screwdriver.
6. Turn the front panel left side down.
7. Insert and disengage ⑨ the one engagements to the screwdriver.
8. Turn the front panel bottom side down.
9. Insert and disengage ⑩ the two engagements to the screwdriver.
10. Separate the front side and front cover.

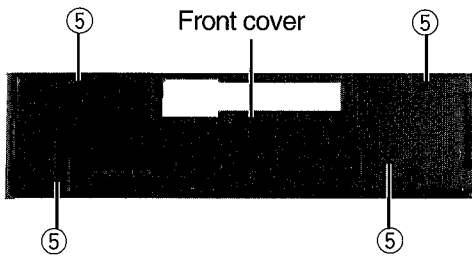


Fig. 9

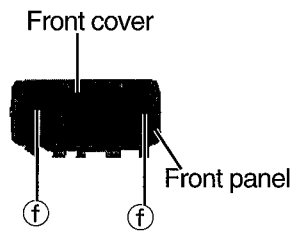


Fig. 10

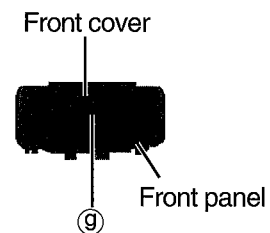


Fig. 11

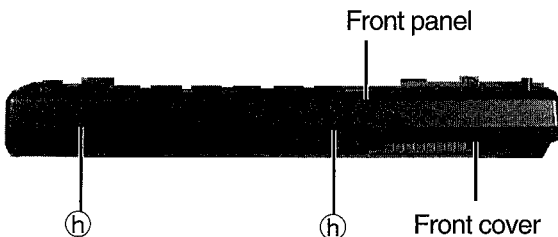


Fig. 12

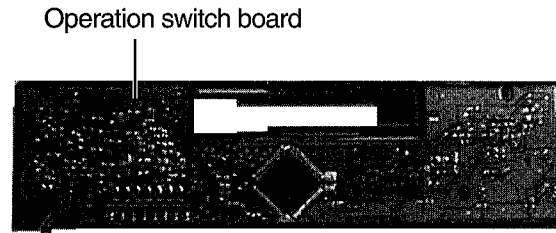


Fig. 13

### ■ Removing the Head Amplifier Board ( See Fig. 12 )

1. Removing the front chassis.
2. Removing the bottom cover.
3. Removing the heat sink.
4. Removing the main board assembly.
5. Removing the cassette mechanism.
6. Remove the screw ⑥ retaining the head amplifier board.
7. Shift the two inter locking sections ⑨ securing the head amplifier board in the direction shown by the arrow "A" to remove the printed circuit board.
8. From the connector CP503 on the head amplifier board , disconnect the head relay board
9. From the connector CP502 on the head amplifier board , disconnect the connector wire outgoing on the reel disk board.

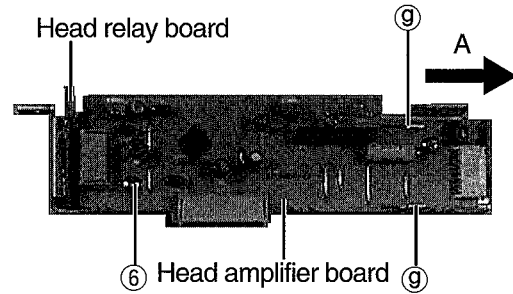


Fig . 12

### ■ Removing the Chassis Assembly ( See Fig. 13 )

1. Removing the front chassis.
2. Removing the bottom cover.
3. Removing the heat sink.
4. Removing the main board assembly.
5. Removing the cassette mechanism.
6. Removing the head amplifier board.
7. Turn the back side down, remove the four screws ⑦ retaining the chassis assembly.

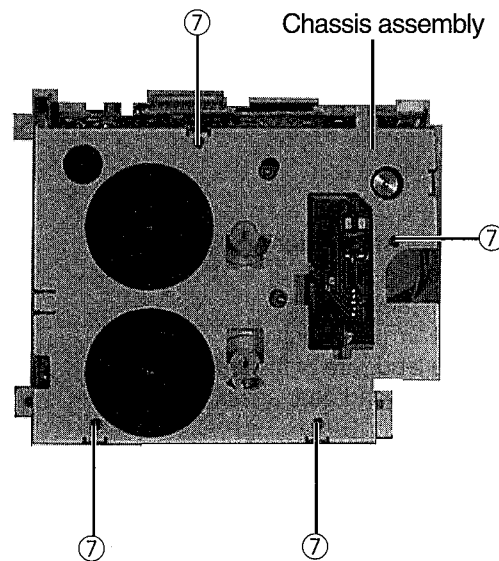


Fig . 13

## " Cassette Mechanism Sections "

### ■ Removing the Head Relay Board ( See Fig. 1 )

1. Resolder the lead wires of the loading motor at the two positions shown ( RED, BLACK ).
2. Resolder the lead wires of the head at the three positions shown ( RED, YELLOW, BLACK ).
3. Remove the three screws ① securing the head relay board.
4. Shift the interlocking section ② securing the head relay board in the direction shown by the arrow "A" to remove the printed circuit board.

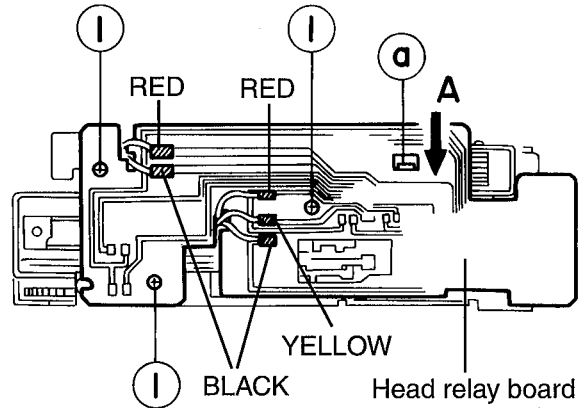


Fig. 1

### ■ Removing the Load Arm Assembly ( See Fig. 2 )

1. Using tweezers, detach the mylar washer ② securing the load arm assembly and pull out the load arm assembly.
- Note : When reassembling, be sure to use a new mylar washer.
2. Shift the load arm assembly counterclockwise.
  3. Remove the load arm assembly from the catch(K).

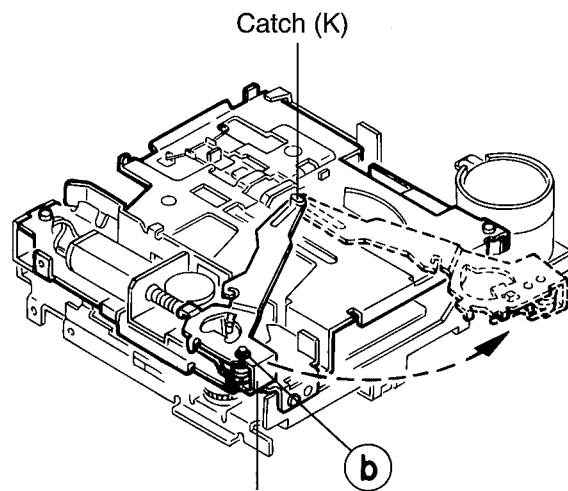


Fig. 2

### ■ Removing the Cassette Holder and Holder Arm Assembly ( See Fig. 3 )

1. Removing the head relay board.
2. Removing the load arm assembly.
3. Apply DC 6V to the lead wire of the loading motor assembly and turn the load gear assembly to the position shown in Fig. 3.
4. Remove the screw ② securing the cassette holder and holder arm assembly.
5. Shift the cassette holder and the holder arm assembly in the direction shown by the arrow "B" and remove them from the interlocking section ③ of the sub chassis assembly.

### ■ Removing the Sub Chassis Assembly ( See Fig. 3 )

1. Removing the head relay board.
2. Removing the load arm assembly.
3. Removing the cassette holder and holder arm assembly.
4. Remove the cassette holder and holder arm assembly.
5. Remove the two screws ( ③ ④ ) securing the sub chassis assembly.

Note : When removing the sub chassis assembly, the mode gear may become detached. In this case, set it back to the original position.

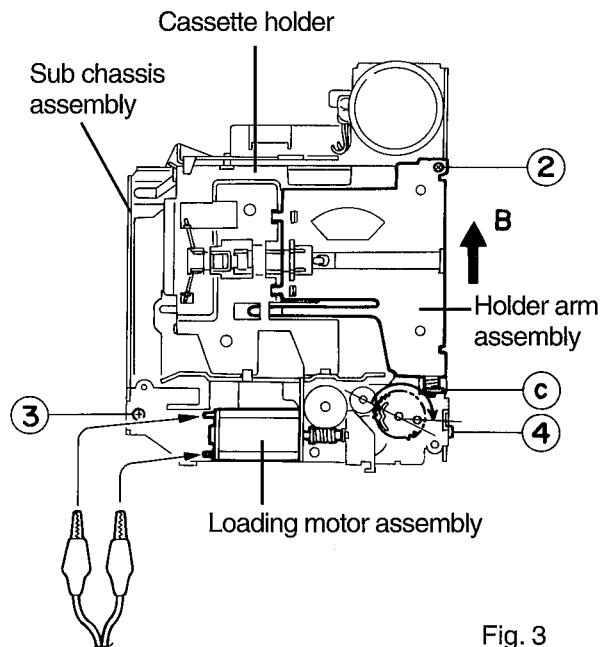


Fig. 3



### ■ Removing the Playback Head ( See Fig. 4 )

1. Removing the head relay board.
2. Removing the load arm assembly.
3. Removing the cassette holder and holder arm assembly.
4. Removing the sub chassis assembly.
5. Disengage the spring holding the playback head down.
6. Remove the two screws ⑤ securing the playback head.

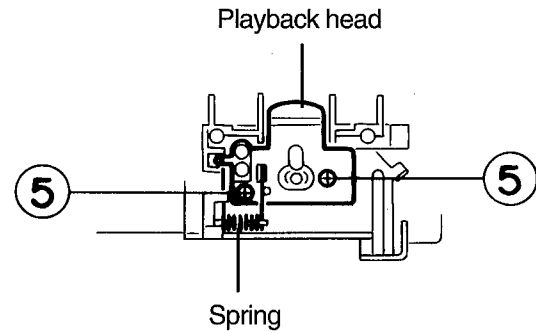


Fig. 4

### ■ Removing the Pinch Roller Assembly ( See Fig. 5,6 )

1. Removing the head relay board.
  2. Removing the load arm assembly.
  3. Removing the cassette holder and holder arm assembly.
  4. Removing the sub chassis assembly.
  5. Detach the mylar washers ④ at the two positions securing the right and left pinch roller assemblies.
- Note : When reassembling, be sure to use new mylar washers.  
Also, make sure that grease is not adhering to the pinch rollers.
6. Pull out the pinch rollers.

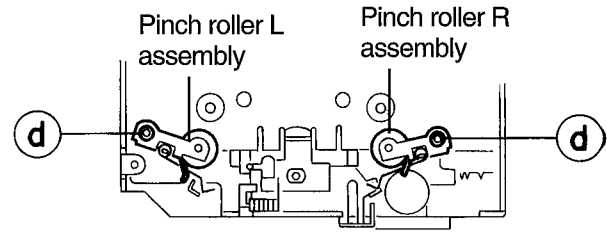


Fig. 5

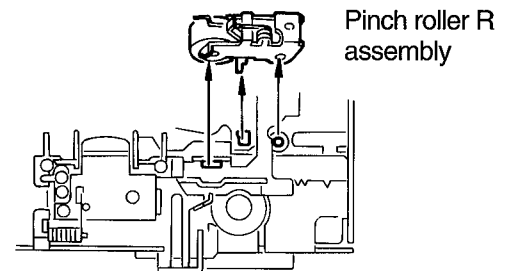


Fig. 6

### ■ Removing the Reel Disk Assembly ( See Fig. 7 )

1. Removing the head relay board.
  2. Removing the load arm assembly.
  3. Removing the cassette holder and holder arm assembly.
  4. Removing the sub chassis assembly.
  5. Detach the mylar washer ⑥ from the tip by first pressing down the reel driver to expose it.
- Note : When reassembling, be sure to use a new mylar washer.

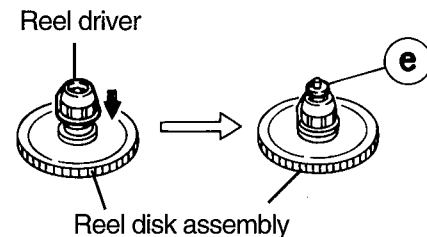


Fig. 7

■ **Removing the Head Plate ( See Fig. 8,9 )**

1. Removing the head relay board.
2. Removing the load arm assembly.
3. Removing the cassette holder and holder arm assembly.
4. Removing the sub chassis assembly.
5. Removing the left and right pinch roller assembly.
6. From the rear of the head plate, detach the mylar washer (f) and washer pressing the forward/reverse plate down.
7. Remove the two screws (6) fixing the metal detection lever and removal spring as shown in Fig. 8.
8. Remove the head plate.
9. Pull out the mode gear.

Note : When installing the mode gear, set it to the arrow mark.

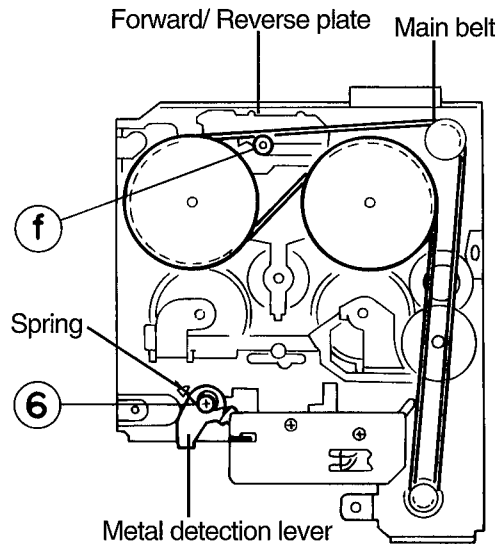


Fig. 8

■ **Removing the Flywheel Assembly ( See Fig. 9 )**

1. Removing the head relay board.
2. Removing the load arm assembly.
3. Removing the cassette holder and holder arm assembly.
4. Removing the sub chassis assembly.
5. Removing the Head Plate.
6. Disengage the main belt from the flywheel assembly.
7. Remove the E.washer (g) at the two positions which secure the capstan shaft away from the surface.
8. Pull out the flywheel assembly from the rear.

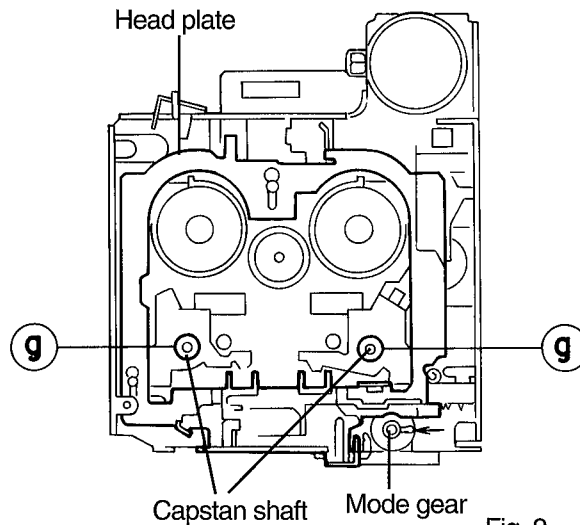


Fig. 9

■ **Removing the Reel Disk Board ( See Fig. 10 )**

1. Removing the head relay board.
2. Removing the load arm assembly.
3. Removing the cassette holder and holder arm assembly.
4. Removing the sub chassis assembly.
5. Straighten the curved tab (h) from the tip by first pressing down the reel feather to expose it.
6. Remove the two screws (7) fixing the reel disk board.
7. Remove the reel disk board.

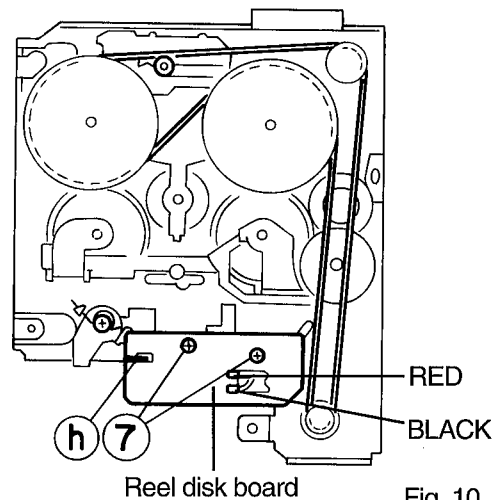


Fig. 10

### ■ Removing the Loading Motor Assembly ( See Fig. 11 )

1. Removing the head relay board.
2. Removing the load arm assembly.
3. Remove the mylar washer ① fixing the worm gear.  
Note : When reassembling, be sure to use a new mylar washer.
4. Remove the one screw ⑧ fixing the loading motor assembly.
5. Remove the two screws ⑨ fixing the motor bracket.

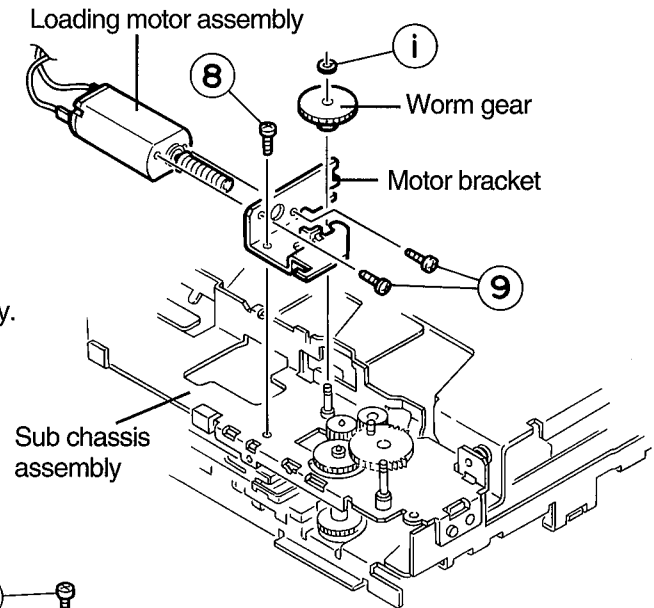


Fig. 11

### ■ Removing the Flywheel Assembly ( See Fig. 12 )

1. Insert the mode gear into the sub chassis assembly.
2. Install the sub chassis assembly and secure it with the two screws ③ and ④ as shown in.
- Note : The set arm assembly and the mode gear should be positioned as shown in Fig. 12.

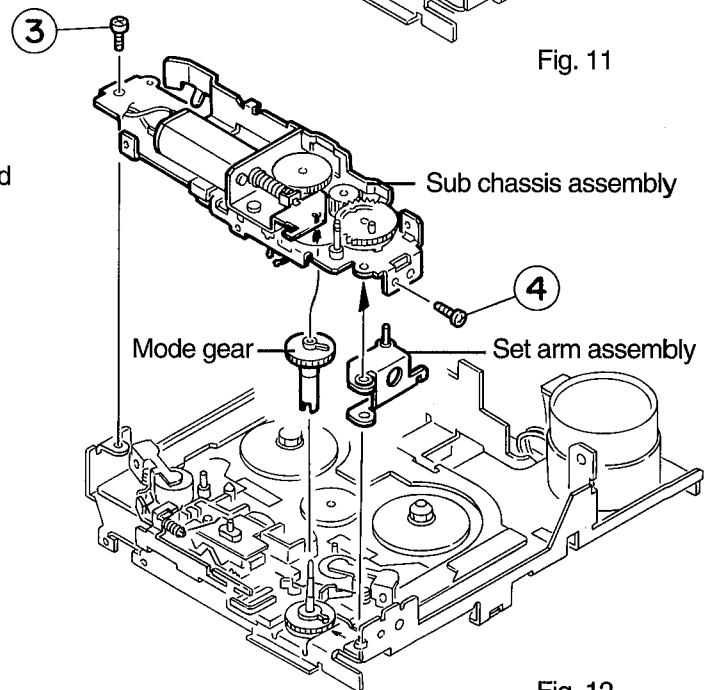


Fig. 12

3. Attach the cassette holder as shown in Fig. 13.  
In the case, first pass the tab of the section ① through the mechanism ②, then attach the cassette holder in the direction shown by arrow.

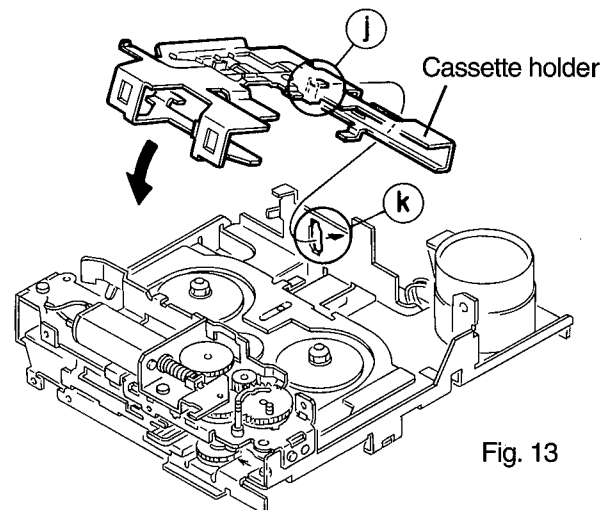


Fig. 13

4. Set the catch (K) to the holder arm assembly as shown in Fig. 14.

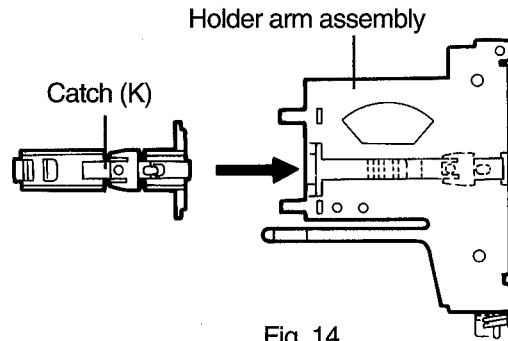


Fig. 14

5. While attaching the holder arm assembly to the cassette holder, insert the shaft of the holder arm assembly into the interlocking section © of the sub chassis assembly as shown in Fig. 15.

6. Install the spring attached to the holder arm assembly shaft over the set arm assembly as shown in Fig. 16.

7. After the holder arm assembly is installed, secure it with the screw ② .( See Fig. 15 )

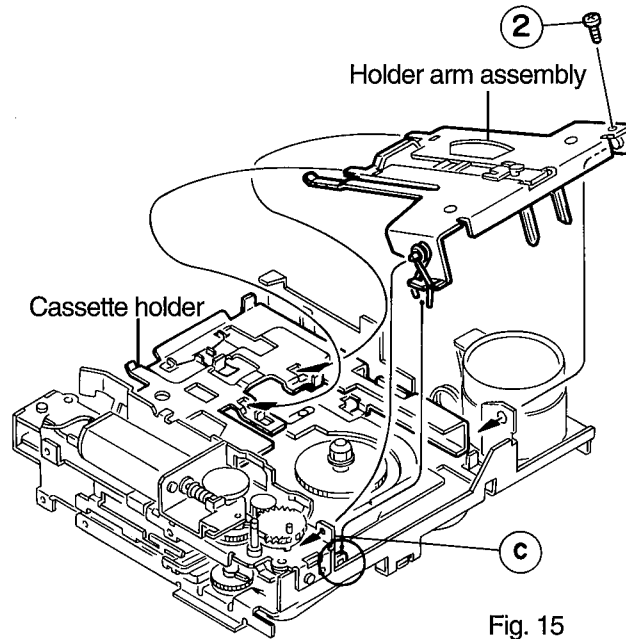


Fig. 15

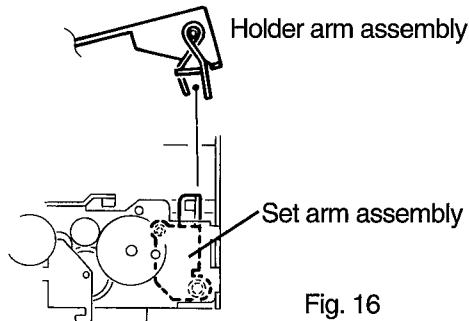


Fig. 16

8. After the installation , apply DC6V to the lead wires of the loading motor assembly to locate the load gear assembly as shown in Fig. 17.

9. Install the load arm assembly.

10. Install the head relay board..

Note : Install it so that the slide switch lever of the head relay board is set in the printed circuit board stay hook of the sub chassis assembly. (See Fig. 18 )

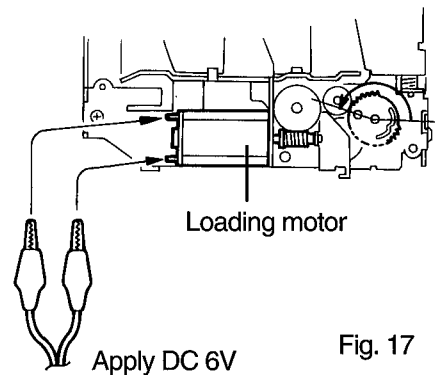


Fig. 17

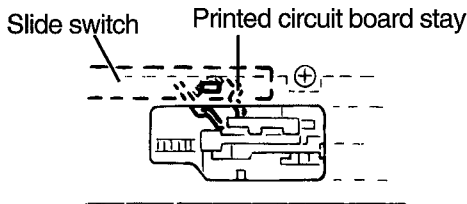


Fig. 18

11. Solder the loading motor and head lead wires to the head relay board, respectively. ( See Fig. 19 )

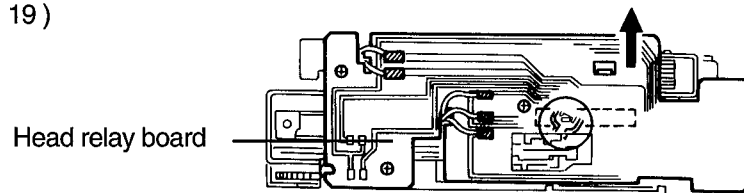


Fig. 19

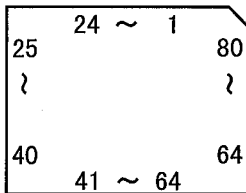


## 2.Pin functions

Pin No.	Symbol	I/O	Functions
1	PBEQ1	O	Resistance for selecting the equalizer amplifier time constant.
2	PBOUT1	O	Playback equalizer amplifier output.
3	Vcc	-	Power supply.
4	TAPEIN1	I	TAPE input.
5	AUXIN1	I	External input.
6	MSLPF	-	Cut-off frequency adjustment of the music sensor LPF.
7	LINEOUT1	O	Line out
8	NC	-	Not used.
9	NC	-	Not used.
10	G2FB	-	Music signal interval detection level setting.
11	G1FB	-	
12	MSTC	-	Time constant for detecting the music signal interval.
13	DGND	-	Logic ground (Connect to GND)
14	MSUOT	O	Music sensor output.
15~19	NC	-	Not used
20	MSMODE	I	Music sensor mode control Low(open):G1 High:G2
21	MSSW	I	Music sensor control Low(open):MS ON High:MS OFF
22	NC	-	Not used
23	NC	-	Not used
24	LINEOUT2	O	Line output
25	DIREF	-	Resistance for setting the reference current (Connects 20(18)K $\Omega$ between DIREF pin and GND for the standard setting.)
26	AUXIN2	I	External input.
27	TAPEIN2	I	TAPE input.
28	GND	-	To ground
29	PBOUT2	O	Playback equalizer amplifier output.
30	PBEQ2	O	Resistance for selecting the playback equalizer amplifier time constant.
31	PBFB2	I	Playback equalizer amplifier feedback.
32	PBRIN2	I	Playback equalizer amplifier input(REVERSE head connected)
33	PBREF2	O	Playback equalizer amplifier reference (Vcc/2 output)
34	PBFIN2	I	Playback equalizer amplifier input (FORWARDhead connected)
35	VCT	O	Center (Vcc/2 output)
36	PBGND	-	Playback equalizer amplifier ground (Connect to ground)
37	PBFIN1	I	Playback equalizer amplifier input (FORWARDhead connected)
38	PBREF1	O	Playback equalizer amplifier reference (Vcc/2 output)
39	PBRIN1	I	Playback equalizer amplifier input(REVERSE head connected)
40	PBFB1	I	Playback equalizer amplifier feedback.

## ■LC72362N-9388(IC701):System Controller

### 1. Terminal Layout



### 2. Description

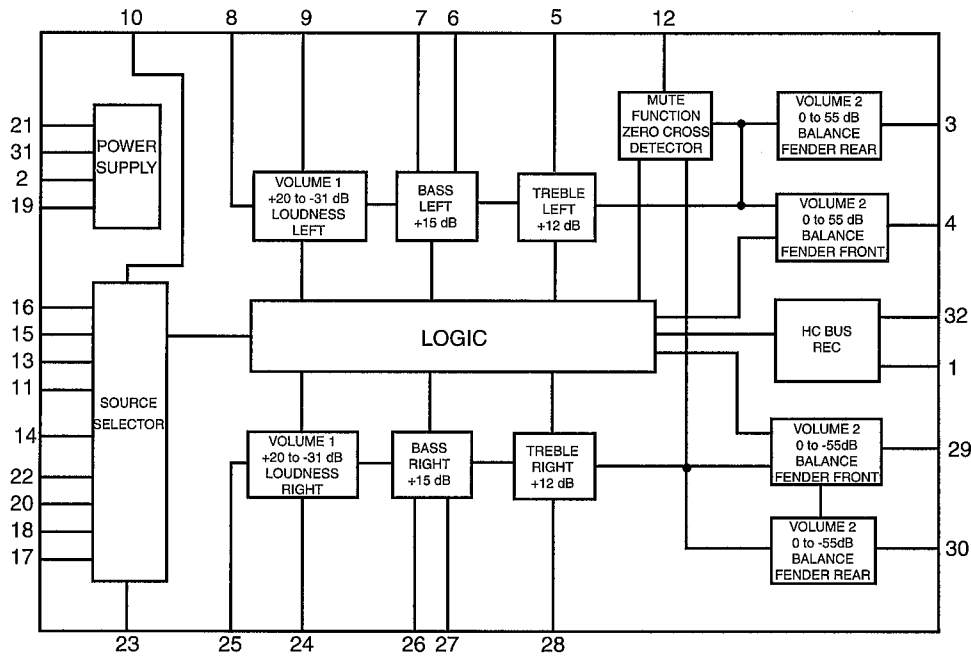
Pin No.	Symbol	I/O	Function	Pin No.	Symbol	I/O	Function
1	XIN	I	Crystal oscillator	41	MOTOR	O	Main motor control output
2	GND	-	To GND	42	SUBMO+	O	Sub motor control output (+)
3	J BUS SI	I	Bus serial data input from CP751	43	SUBMO-	O	Sub motor control output (-)
4	J BUS SO	O	Bus serial data output to CP751	44	BEEP	-	Non connect
5	J BUS SCK	O	Bus serial clock output to CP751	45	TAPE.IN	I	TAPE in detector input
6	J BUS I/O SEL	O	BUS I/O switch signal output	46	STANDBY	I	STANDBY switch detector input
7	NC	-	Non connect	47	TAPE.END	I	TAPE END switch detector input
8	LCD SO	O	Serial data output to IC651	48	MODE	I	Position detection input of Mecha mode
9	LCD SCK	O	Serial clock output to IC651	49	F/R SENSE	I	FORWARD/REVERSE switch detector
10	LCD CE	O	Chip enable output to IC651	50	MS.IN	I	Music sensor input
11	NC	-	Non connect	51	SD/ST	I	Station detector and ST input
12	E.VOL SO	O	Serial data output	52	NC	-	Non connect
13	E.VOL SCK	O	Serial clock output	53	DETACH	-	To GND
14	NC	-	Non connect	54	NC	-	Non connect
15	TUNER ILLUM	-	Non connect	55	J BUS INT	I	BUS interruption signal detection communication
16	TAPE ILLUM	-	Non connect	56	REMOCON	-	To GND
17	CD ILLUM	-	Non connect	57	FM/AM	I	Change over the FM/AM input
18	DIMMER OUT	-	Non connect	58	DOLBY	-	Non connect
19	NC	-	Non connect	59	NC	-	Non connect
20	NC	-	Non connect	60	MUTE	-	The mute time is controlled by the connected capacitor when changing over the FM/AM
21	NC	-	Non connect				
22	NC	-	Non connect				
23	NC	-	Non connect				
24	NC	-	Non connect	61	MEMORY DET	I	Memory detector input
25	KS1	-	Non connect	62	LEVEL METER	I	Level memory input
26	KS0	O	Initializing output port	63	SMETER	I	Signal meter input
27	K3	I	Initializing input port	64	KEY 2	I	Momentary key input
28	K2	I	Initializing input port	65	KEY1	I	Momentary key input
29	K1	-	Non connect	66	KEY0	I	Momentary key input
30	K0	I	Initializing input port	67	ACCDET	-	Power supply
31	Vdd	-	Power supply	68	SENS	-	To GND
32	TEST	I	Test input	69	AM IF COUNT	-	Non connect
33	FF/REW MODE	O	H is output during FF/REW when the TAPE is OFF	70	FM IF COUNT	I	AM/FM Frequency detection
				71	NC	-	Non connect
34	SEEK/STOP	O	Output the "If signal request"	72	NC	-	Non connect
				73	Vdd	-	Power supply
35	MONO	O	Monaural and stereo change over output	74	AM OSC	I	Input the local oscillator signal of AM
				75	FMOSC	I	Input the local oscillator signal of FM
36	RADIO/TAPE	-	Non connect	76	Vss	-	Power supply
37	BEEP LEVEL	-	Non connect	77	NC	-	Non connect
38	POWER CNT	O	Power control output	78	ED	O	PLL Error signal output
39	Acc	-	Power supply	79	TEST 1	-	To GND
40	KICK	O	Driving voltage control terminal of motor	80	XOUT	O	Crystal oscillator

■TEA6320T(IC931):E.VOLUME

1. Terminal Layout

SDA	1		32	SCL
GND	2		31	VCC
OUTLR	3		30	OUTRR
OUTLF	4		29	OUTRF
TL	5		28	TR
B2L	6		27	B2R
B1L	7		26	B1R
IVL	8		25	IVR
ILL	9		24	ILR
QSL	10		23	QSR
IDL	11		22	IDR
MUTE	12		21	Vref
ICL	13	CD-CH	20	ICR
IMD	14		19	CAP
IBL	15	TAPE	18	IBR
IAL	16	TUNER	17	IAR

2. Block Diagram



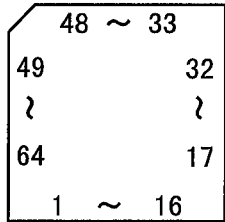


## 3.Pin Functions

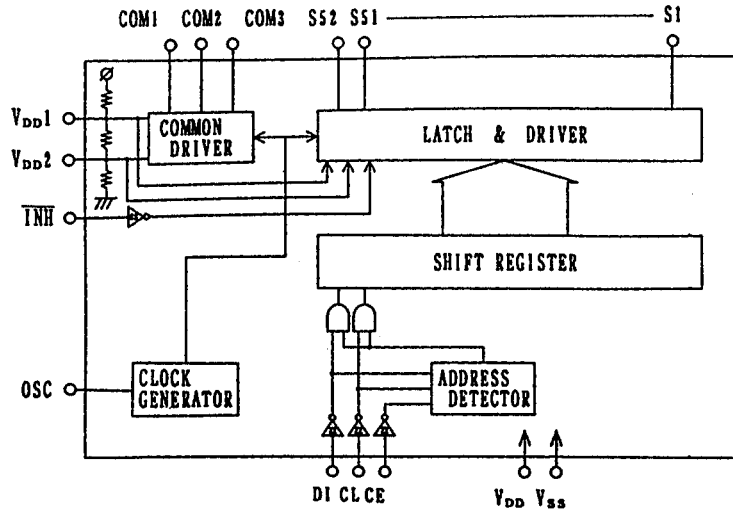
Pin No.	Symbol	I/O	Functions
1	SDA	I/O	Serial data input/output.
2	GND	-	Ground.
3	OUTLR	O	output left rear.
4	OUTLF	O	output left front.
5	TL	I	Treble control capacitor left channel or input from an external equalizer.
6	B2L	-	Bass control capacitor left channel or output to an external equalizer.
7	B1L	-	Bass control capacitor left channel.
8	IVL	I	Input volume 1. left control part.
9	ILL	I	Input loudness. left control part.
10	QSL	O	Output source selector. left channel.
11	IDL	-	Not used
12	MUTE	-	Not used
13	ICL	I	Input C left source.
14	IMO	-	Not used
15	IBL	I	Input B left source.
16	IAL	I	Input A left source.
17	IAR	I	Input A right source.
18	IBR	I	Input B right source.
19	CAP	-	Electronic filtering for supply.
20	ICR	I	Input C right source.
21	Vref	-	Reference voltage (0.5Vcc)
22	IDR	-	Not used
23	QSR	O	Output source selector right channel.
24	ILR	I	Input loudness right channel.
25	IVR	I	Input volume 1. right control part.
26	B1R	-	Bass control capacitor right channel
27	B2R	O	Bass control capacitor right channel or output to an external equalizer.
28	TR	I	Treble control capacitor right channel or input from an external equalizer.
29	OUTRF	O	Output right front.
30	OUTRR	O	Output right rear.
31	Vcc	-	Supply voltage.
32	SCL	I	Serial clock input.

■ LC75823E(IC651):LCD DRIVER

1.Terminal Layout



2.Block Diagram

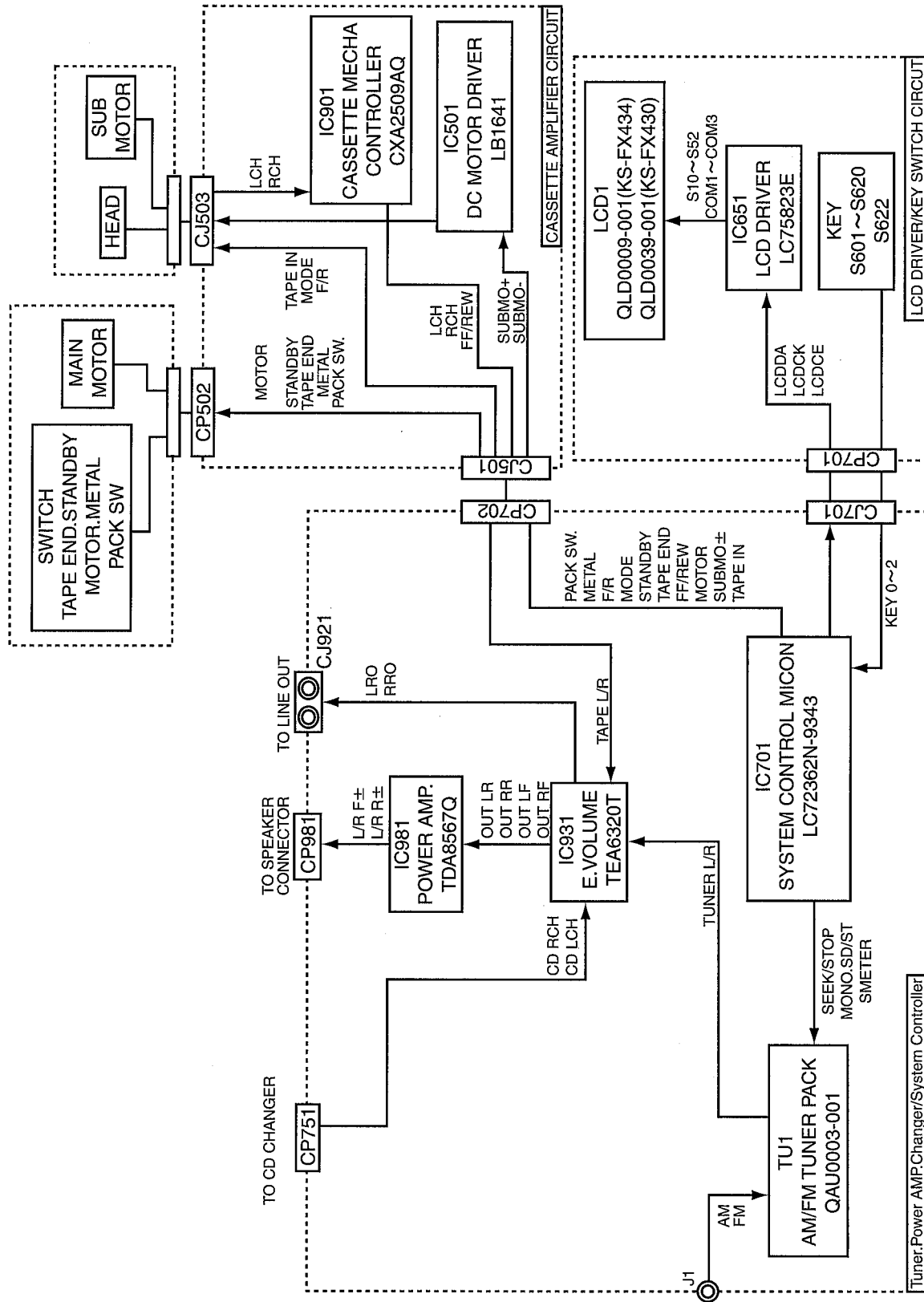


3.Pin Function

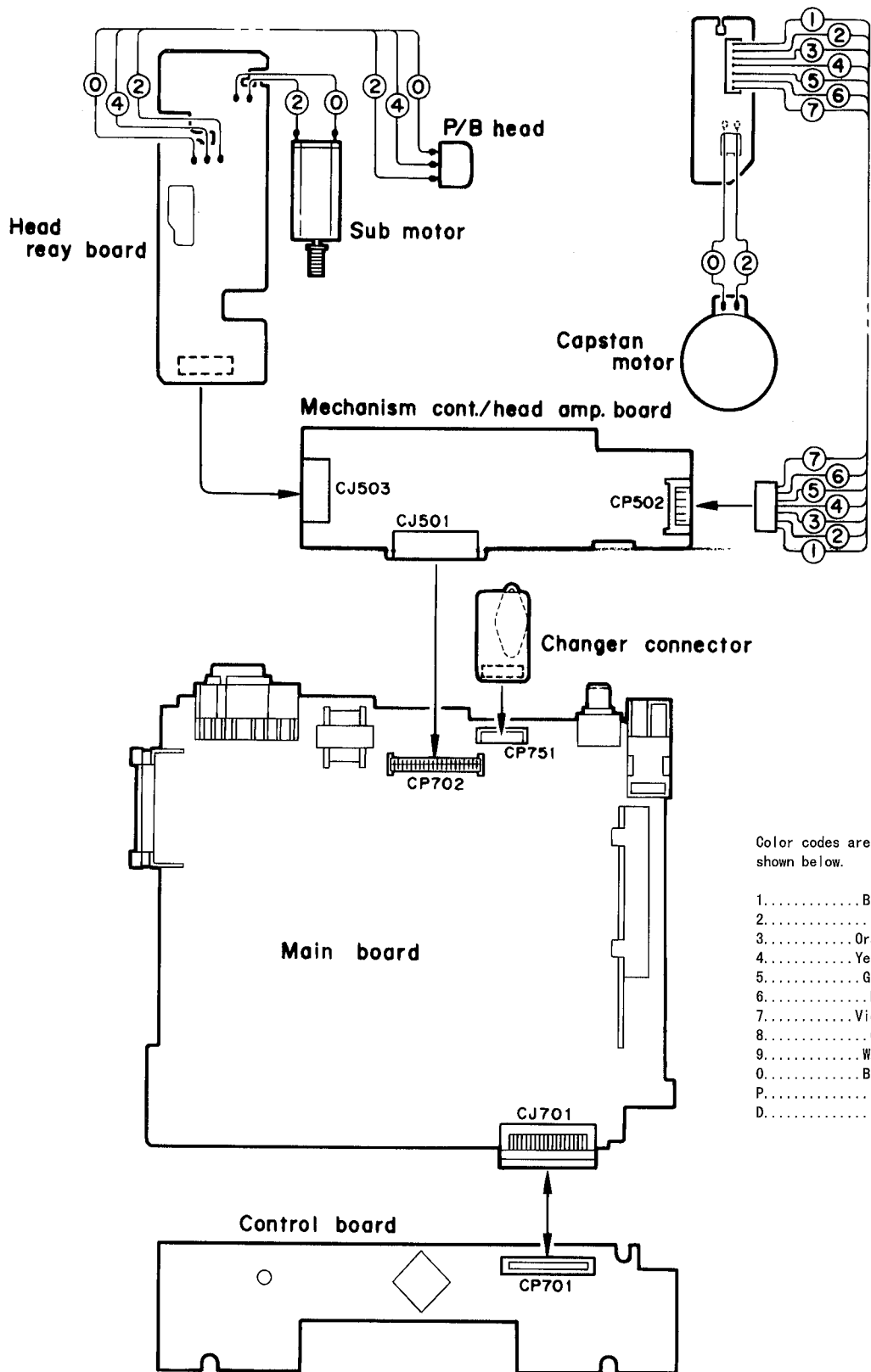
PIN No.	Symbol	I/O	Functions
1~9		-	NOT USED
10~52	S10~S52	O	Segment outputs that display data transferred from serial data.
53~55	COMA~COMA	O	The frame frequency (fob) for the common driver output is (fosc/384)Hz.
56	ADD	-	Power supply
57	/IN	I	Forcibly terns off the display. regardless of internal data. Serial data can be input. whether this pin is high or low
58		-	NOT USED
59		-	NOT USED
60	VSS	-	To GOD
61	ASK	I	Oscillator connection (for the common segment alternating waveform)
62	CE	I	Serial data transfer
63	CL	I	pins.connected to a
64	DI	I	microprocessor.

CE : Chip enable  
 CL : Sync.clock  
 DI : Transfer data

# Block Diagrams



# Wiring Connections



- Color codes are shown below.
- 1..... Brown
  - 2..... Red
  - 3..... Orange
  - 4..... Yellow
  - 5..... Green
  - 6..... Blue
  - 7..... Violet
  - 8..... Gray
  - 9..... White
  - 0..... Black
  - P.....
  - D.....

# Main Adjustment

## ■ Test Instruments required for adjustment

1. Digital oscilloscope(100MHz)
2. Frequency Counter meter
3. Electric voltmeter
4. Wow & flutter meter
5. Test Tapes
  - VT724 ..... for DOLBY level measurement
  - VT739 ..... For playback frequency measurement
  - VT712 ---- For wow flutter & tape speed measurement
  - VT703 ..... For head azimuth measurement
6. Torque gauge ..... Cassette type for CTG-N  
(mechanism adjustment)

## ■ Measuring conditions(Amplifier section)

- Power supply voltage ..... DC14.4V(10.5~16V)  
 Load impedance ..... 4Ω (2Speakers connection)  
 Line out ..... 20kΩ

## ■ Standard volume position

- Balance and Bass, Treble volume .Fader  
 :Center(Indication"0")  
 Loudness, Dolby NR, Sound, Cruise: Off  
 Volume position is about 2V at speaker output with  
 following conditions. Playback the test tape VT721.

- AM mode            999kHz/62dB, INT/400Hz, 30%  
                          modulation signal on receiving.
- FM mono mode    97.9MHz/66dB, INT/400Hz, 22.5kHz  
                          deviation pilot off mono
- FM stereo mode   1kHz, 67.5kHz dev. pilot 7.5kHz dev.
- Output level      0dB(1μV, 50Ω /open terminal)

## ■ Tuner section

### BAND STEP

FM : 100kHz (Seek), 50kHz (Manual)

AM : 9kHz step

## ■ Preset Memory Initialization

For ver.J

Band	Preset Memory					
	M1	M2	M3	M4	M5	M6
FM(MHz)	87.5	89.9	97.9	105.9	107.9	87.5
AM(kHz)	530	600	1000	1500	1710	530

For ver.U

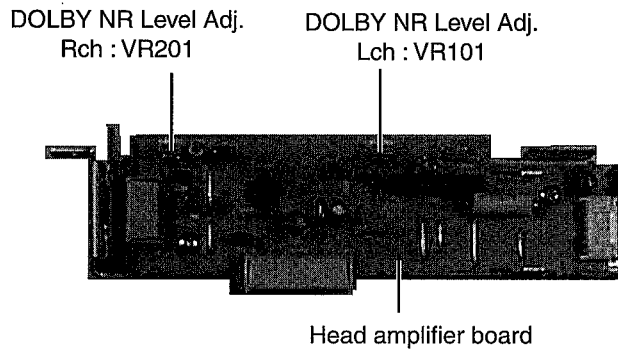
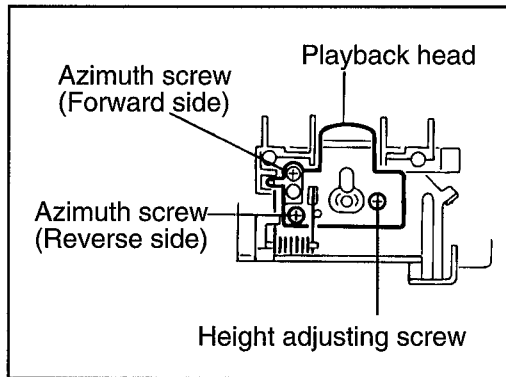
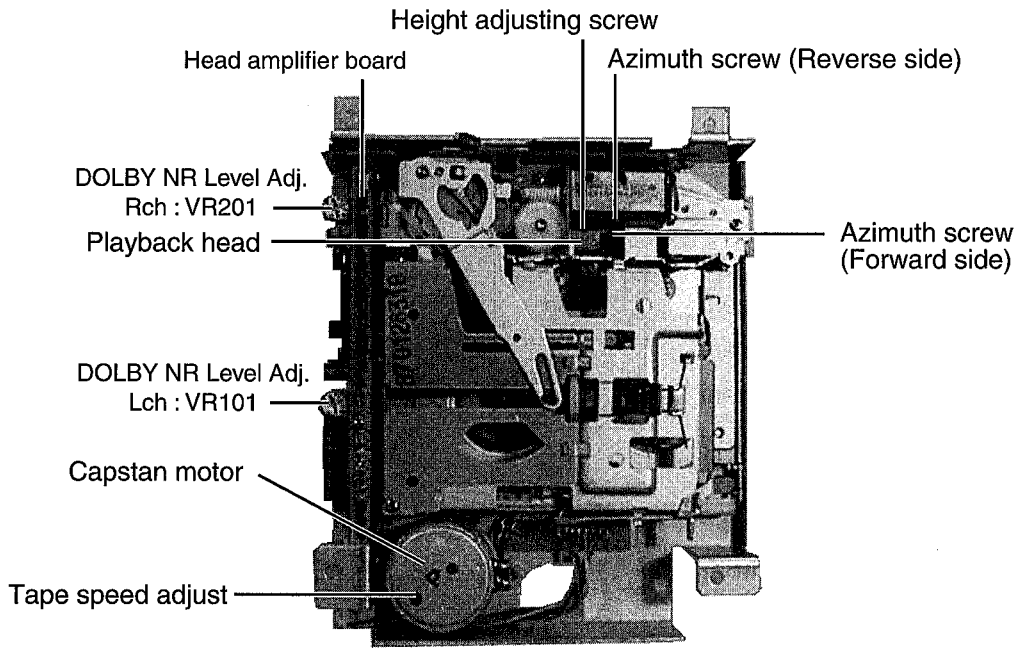
Band	Preset Memory					
	M1	M2	M3	M4	M5	M6
FM(MHz)	87.5	89.9	97.9	105.9	108.0	87.5
AM(kHz)	531	603	999	1404	1602	531

## DUMMY LOAD

Exclusive dummy load should be used for AM and FM dummy load, there is a loss of 6dB between SSG output and antenna input. The loss of 6dB need not be considered since direct reading of figures are applied in this working standard.

■ Arrangement of Adjusting & Test points

Cassette mechanism  
(Surface)



### ■ Information for using a Car Audio Service Jig

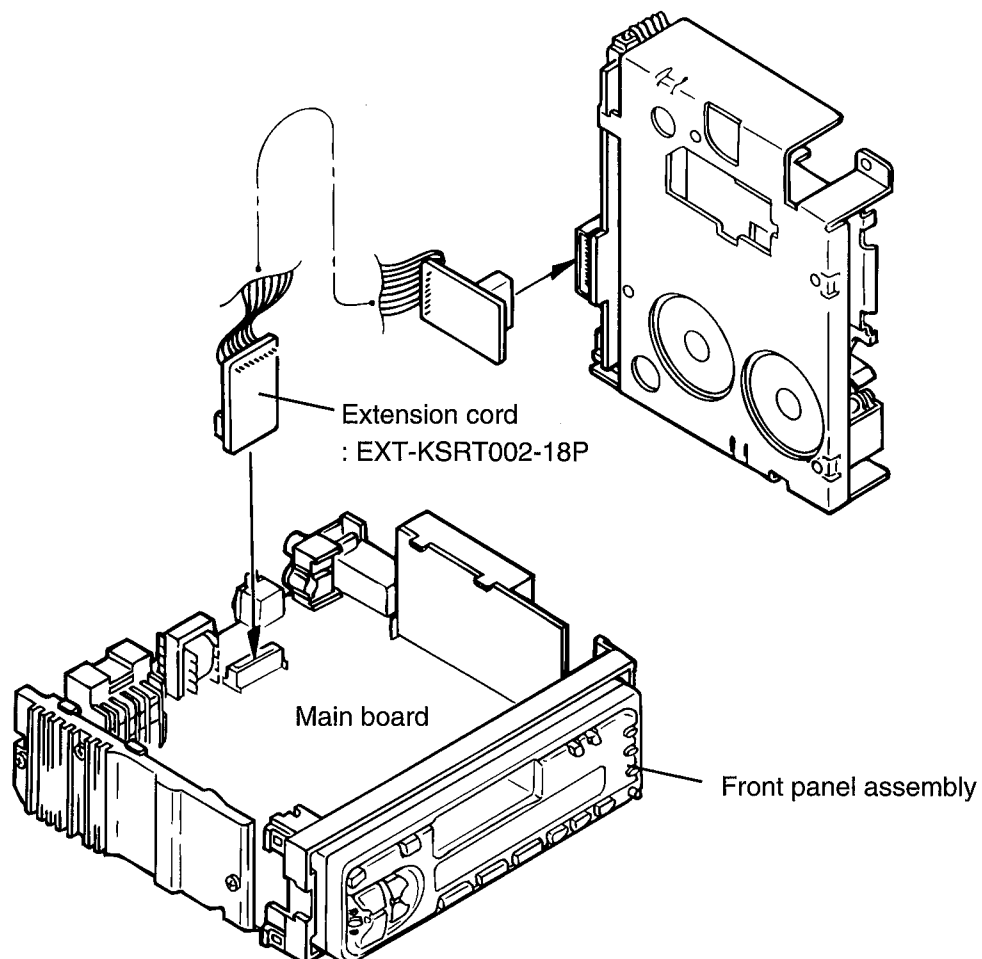
1. For 1995 and 1996 , we're advancing efforts to make our extension cords common for all car audio products.  
Please use this type of extension cord as follows.
2. As a U-shape type top cover is employed, this type of extension cord is needed to check operation of the mechanism assembly after disassembly.
3. Extension cord : EXT-KSRT002-18P ( 18 pin extension cord )  
For connection between mechanism assembly and main board assembly.  
Check for mechanism driving section such as motor ,etc..

### ■ Disassembly Method

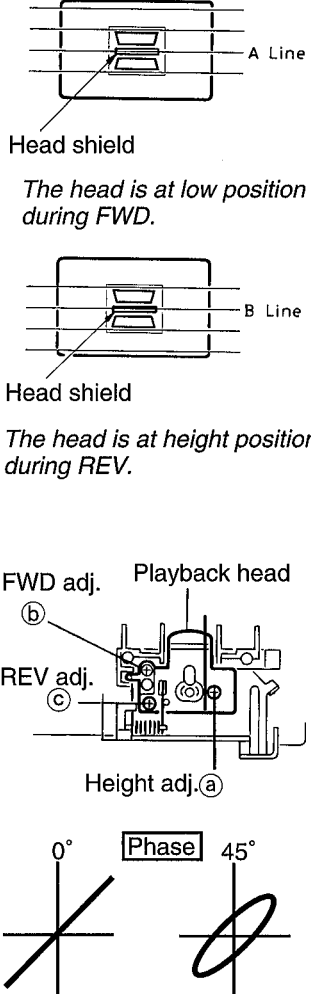
1. Remove the bottom cover.
2. Remove the front panel assembly.
3. Remove the top cover .
4. Install the front panel.
5. Confirm that current is being carried  
by connecting an extension cord jig.

#### Note

Available to connect to the CN701 connector  
when installing the front panel.



■ Mechanism Adjustment Section

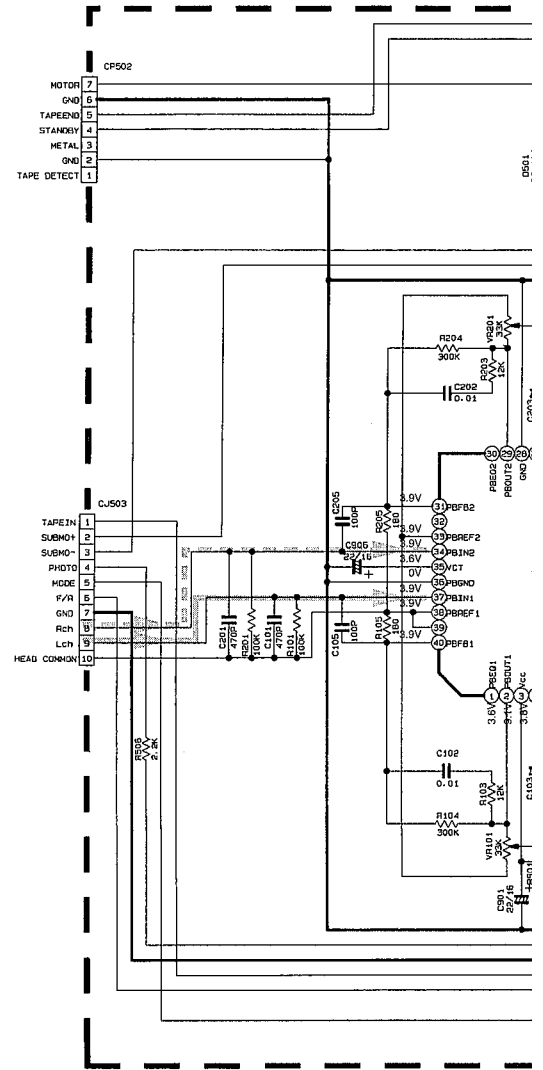
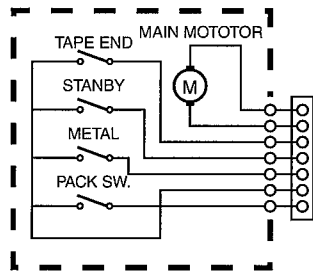
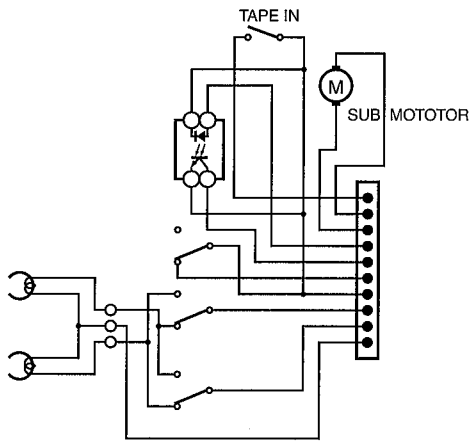
Item	Adjusting & Confirmation Methods	Adjust Std. Value	
<p>1.Head azimuth</p>	<p>"Head Height Adjustment"                      Note                      Adjust the azimuth directly. When you adjust the height using a mirror tape, remove the cassette housing from the mechanism chassis. After installing the cassette housing, perform the azimuth adjustment.</p> <ol style="list-style-type: none"> <li>load the mirror tape ( SCC-1659 ). Adjust with height adjustment screw ① and azimuth adjustment screw ② so that line "A" of the mirror tape runs in the center between Lch and Rch in the reverse play mode.</li> <li>After switching from REV to FWD then to REV, check that the head position set in procedure "1" is not changed.                      *If the position has shifted, adjust again and check.</li> <li>Adjust the azimuth screw ③ so that line "B" of the mirror tape runs in the center between Lch and Rch in the forward play mode.</li> </ol> <p>"Head Azimuth Adjustment"                      1. Load the test tape ( VT724: 1kHz ) and play it back in the reverse play mode. set the Rch output level to maximum.                      2. Load the test tape ( VT703: 10kHz ) and play it back in the forward play mode. Adjust the Rch and Lch output levels to maximum, with azimuth adjustment screw ④ .                      In this case, the phase difference should be within 45° .                      3. Engage the reverse mode and adjust the output level to maximum, with azimuth adjustment screw ⑤ .                      4. When switching between forward and reverse modes, the difference between channels should be within 3dB.                      *Between FWD Lch and Rch, REV Lch and Rch.                      5. When the test tape ( VT721 ( 315Hz ) is played back, the level difference between channels should be within 1.5dB.</p>	 <p>Head shield                      The head is at low position during FWD.</p> <p>Head shield                      The head is at height position during REV.</p> <p>FWD adj. Playback head                      REV adj.                      Height adj.①</p> <p>0° Phase 45°</p>	
<p>2. Tape Speed and Wow &amp; Flutter</p>	<ol style="list-style-type: none"> <li>Check to see if the reading of the frequency counter &amp; Wow flutter meter is within 3015-3045 Hz( FWD/REV ), and less than 0.35% ( JIS RMS ).</li> <li>In case of out of specification, adjust the motor with a built-in volume resistor.</li> </ol>	<p>Built-in volume resistor</p>	<p>Tape Speed                      3015-3045Hz                      Wow&amp;Flutter                      Less than                      0.35%                      (JIS RMS)</p>
<p>3. DOLBY NR level adjustment</p>	<ol style="list-style-type: none"> <li>Play the test tape ( VT724 : 1kHz ) back.</li> <li>Adjust the VR101(Lch) and VR201(Rch) so that the DOLBY NR level is 27.5mV±0.5dB by TP101(Lch), TP201(Rch).</li> </ol>	<p>VR101:Lch                      VR201: Rch</p>	<p>Speaker out                      1kHz/10kHz                      : -1dB±3dB,                      63Hz/1kHz                      : 0dB±3dB,</p>





# Standard Schematic Diagrams

## ■ Cassette Mechanism Control Circuit



### NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL. CONDITION-----TAPE MODE.
2. UNLESS OTHERWISE SPECIFIED.  
ALL RESISTORS ARE 1/4W 1% OR 1/10W 1% METAL GLAZE RESISTOR.  
ALL CAPACITORS ARE 50V CERAMIC CAPACITOR.  
ALL RESISTANCE VALUES ARE IN OHMS.  
ALL CAPACITANCE VALUES ARE IN (PF=PF).  
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE\*(PF)/RATED VOLTAGE(V)

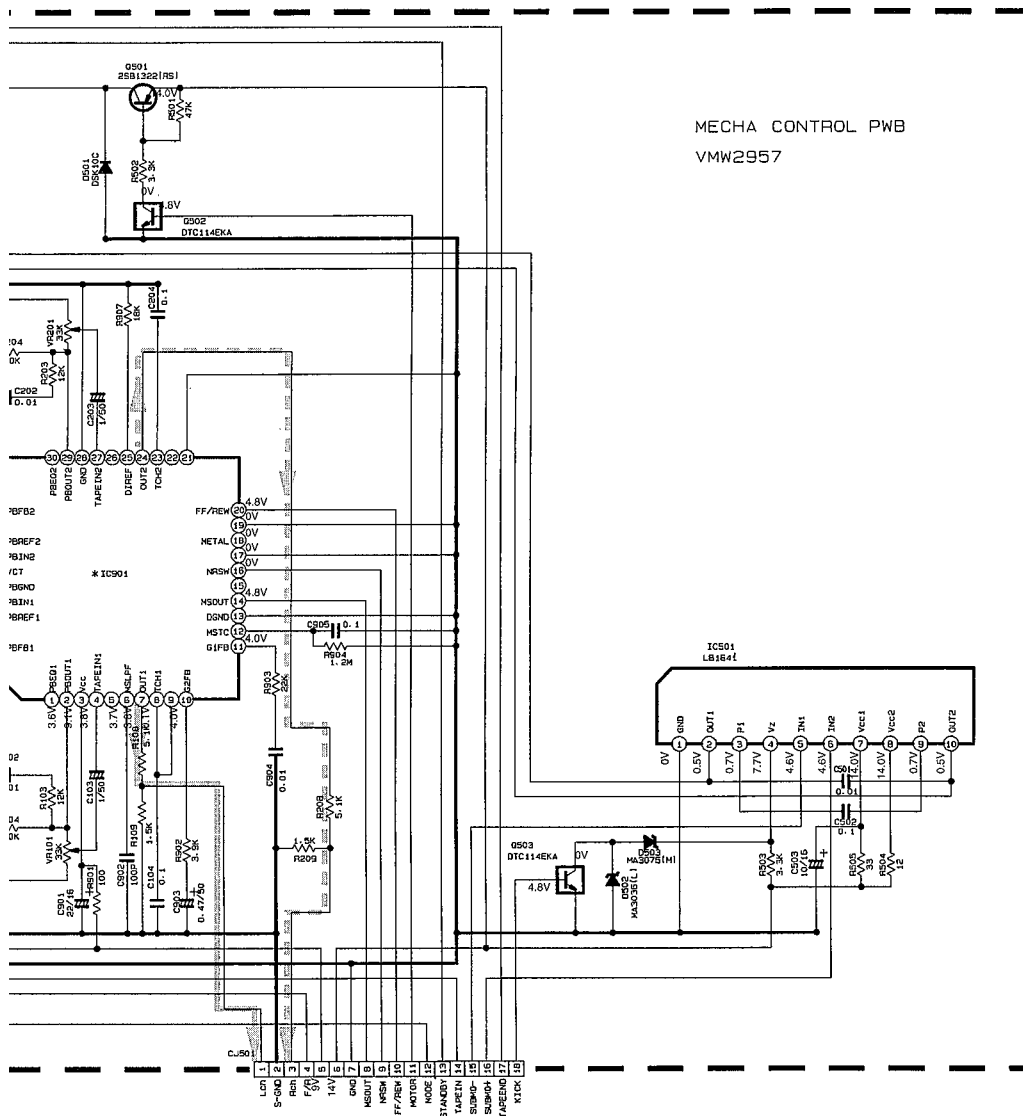
TF-----TF CAPACITOR

A

B

C

D



MECHA CONTROL PWB  
VMW2957

INPUT SIGNAL.

TGR.

ATED VOLTAGE(V)

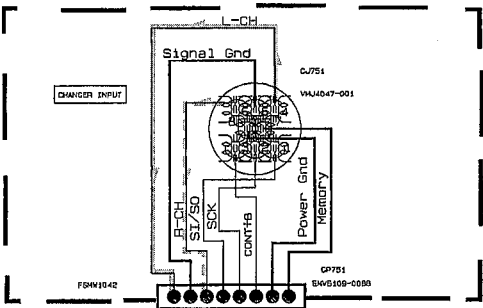
MODEL	* IC901
KS-RT525J	CXA2510AQ
KS-RT420/424J	CXA2509AQ

L Tape signal line  
R

Note : FSDH3016006MW

Radio & System CPU Circuit

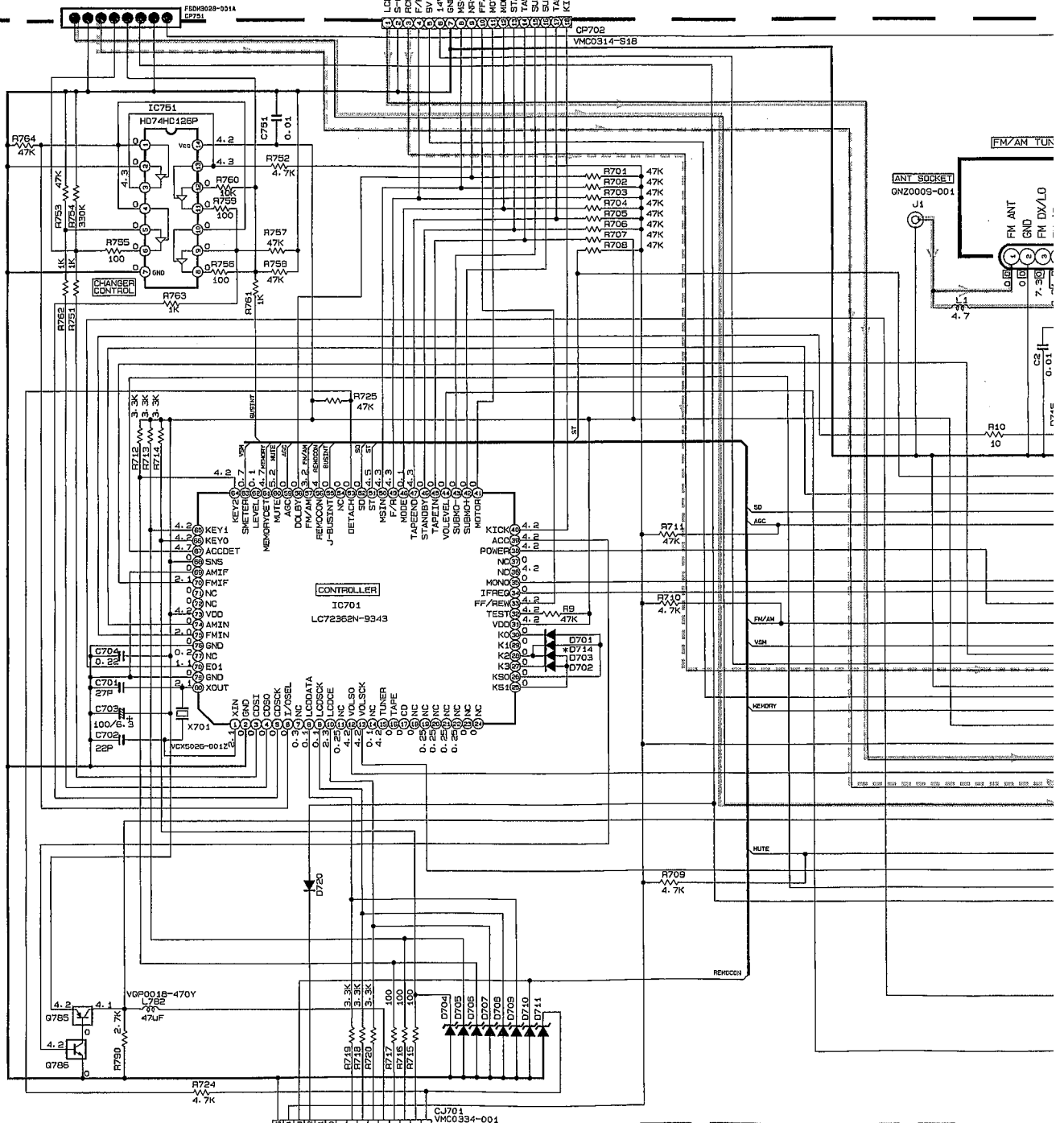
5



DTA114ESATP	0783, 0785, 01, 03, 06 0351, 0843, 0781
2SB1322(RS)TA	0782, 0784, 05
DTA114ESATP	0785, 0789, 0941, 0342
2SC1740S(R, S)T	0771, 0772, 0161, 0261
2SA933AS(RS)-T	02, 04

MT26-2JCT-77
MTZ10JAT-77
MTZ11JBT-77
DSK10C-ET1
RB721GT-77
1N5401TM

4



3

2

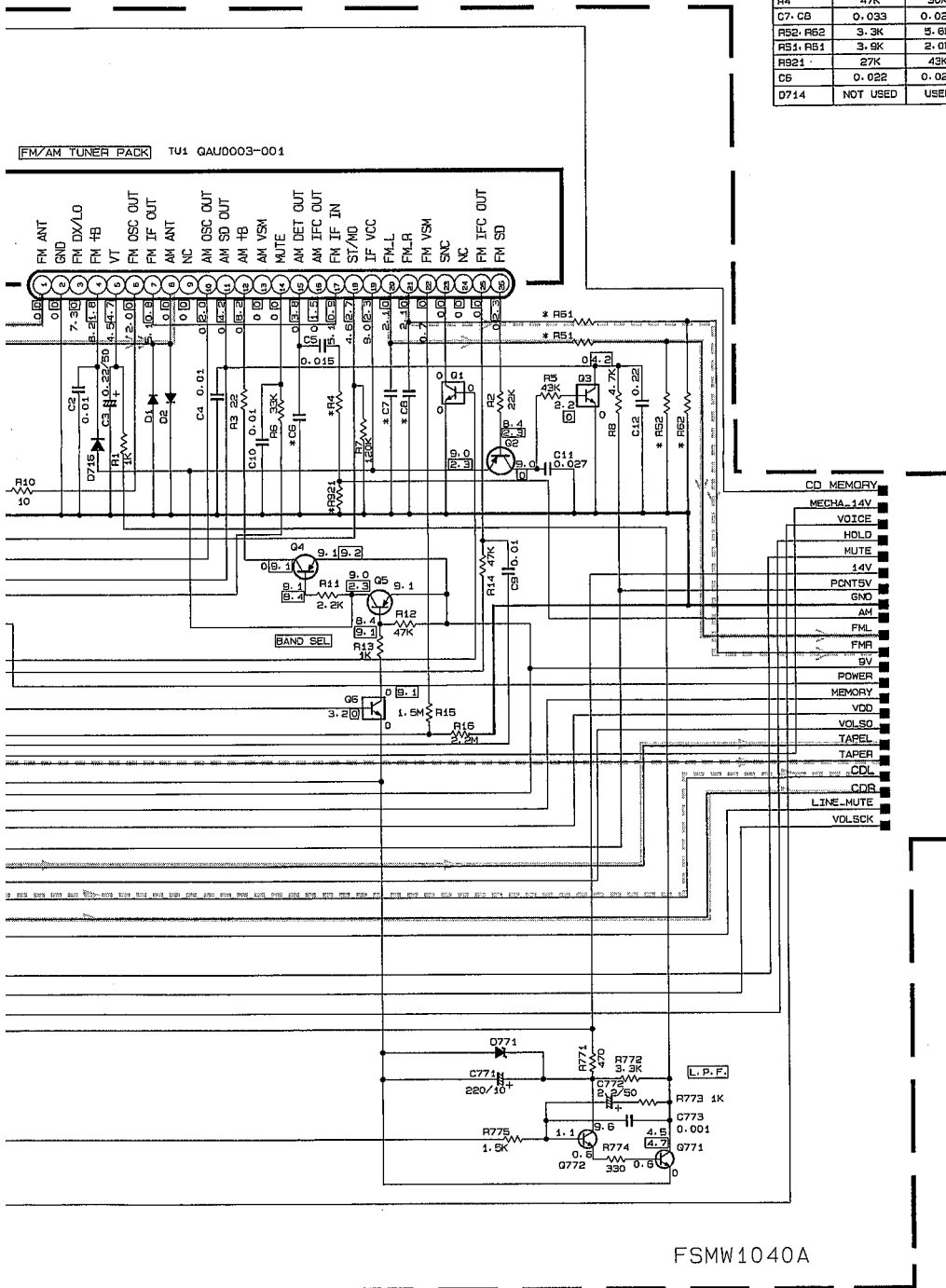
1

MT25-2JCT-77	D704, D705, D706, D707, D708 D709, D710, D711
MT210JAT-77	D771
MTZ11JBT-77	D941
DSK10C-ET1	D720, D784
R8721QT-77	D781
1N5401TM	D981

**NOTES**

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL. CONDITION - - - FM MODE. (AM MODE )
- UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/8W 5% CARBON RESISTOR. ALL CAPACITORS ARE 50V CERAMIC CAPACITOR. ALL RESISTANCE VALUES ARE IN OHM(Ω). ALL CAPACITANCE VALUES ARE IN μF(μPF). ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) / RATED VOLTAGE(V). ALL DIODES ARE 1SS119-041 - - - MYLAR CAPACITOR

* MODEL	KS-FX430J	KS-FX434U
* REF. NME	KS-FX434J	KS-FX434U
R4	47K	30K
C7, C8	0.033	0.022
R5B, R62	3.3K	5.6K
R51, R51	3.6K	2.0K
R821	27K	43K
C5	0.022	0.027
D714	NOT USED	USED



- ⎓ CD Signal line
- ⎓ Tape Signal line
- ⎓ Radio Signal line
- ⎓ FM Radio Signal line
- ⎓ AM Radio Signal line

# Power Amplifier Cassette Mechanism Control Circuit Circuit

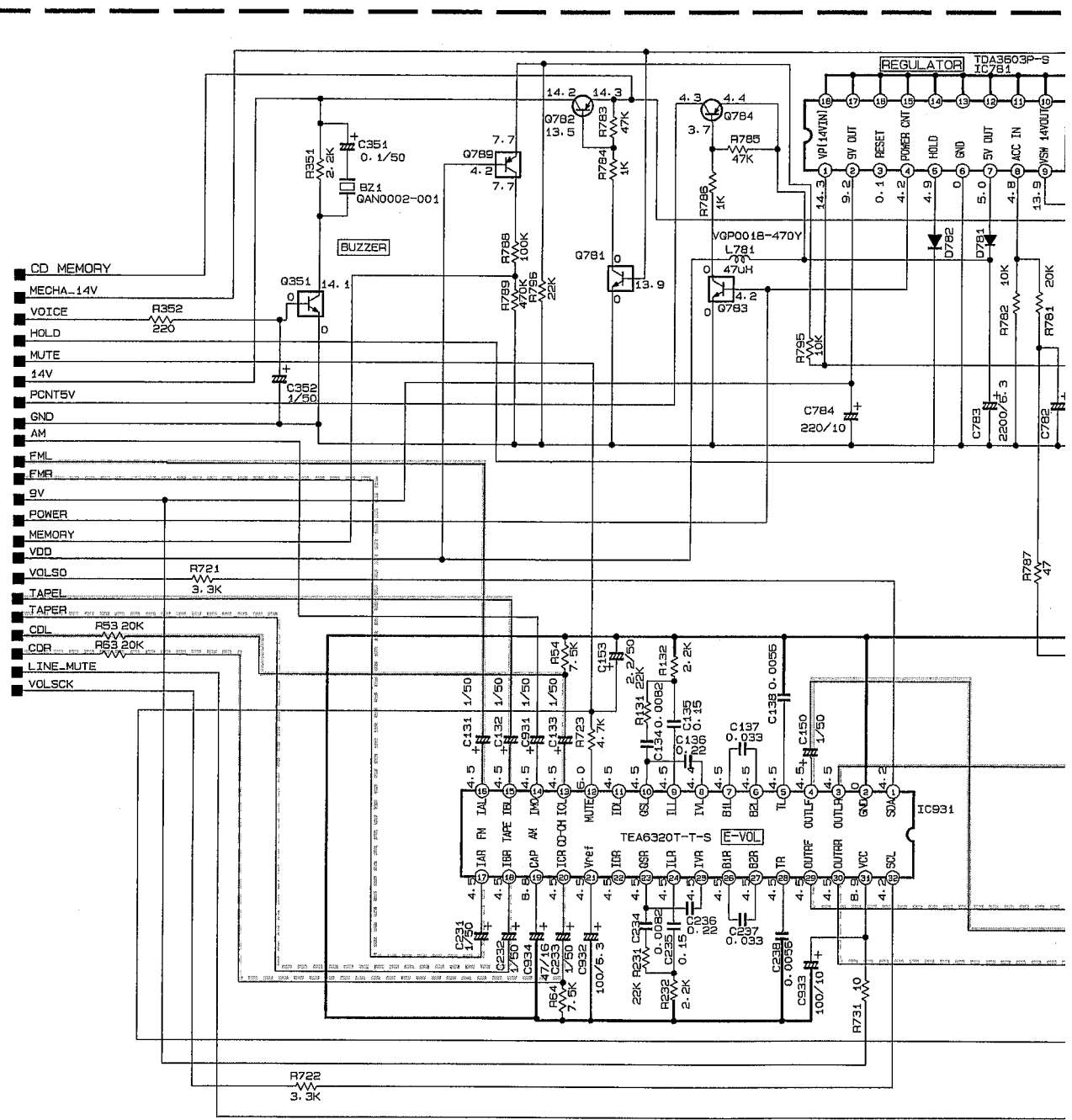
5

4

3

2

1



## NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL. CONDITION - - - FM MODE.
2. UNLESS OTHERWISE SPECIFIED,
  - ALL RESISTORS ARE 1/6W 5% CARBON RESISTOR.
  - ALL CAPACITORS ARE 50V CERAMIC CAPACITOR.
  - ALL RESISTANCE VALUES ARE IN OHM( $\Omega$ ).
  - ALL CAPACITANCE VALUES ARE IN  $\mu$ F(P=pF).
  - ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE( $\mu$ F) / RATED VOLTAGE(V).
  - ALL DIODES ARE 1SS119-041
  - - - MYLAR CAPACITOR

REMARK	CJ921
MODEL	
KS-FX430	VMJ3022-001
KS-FX434	VMJ3022-101

A

B

C

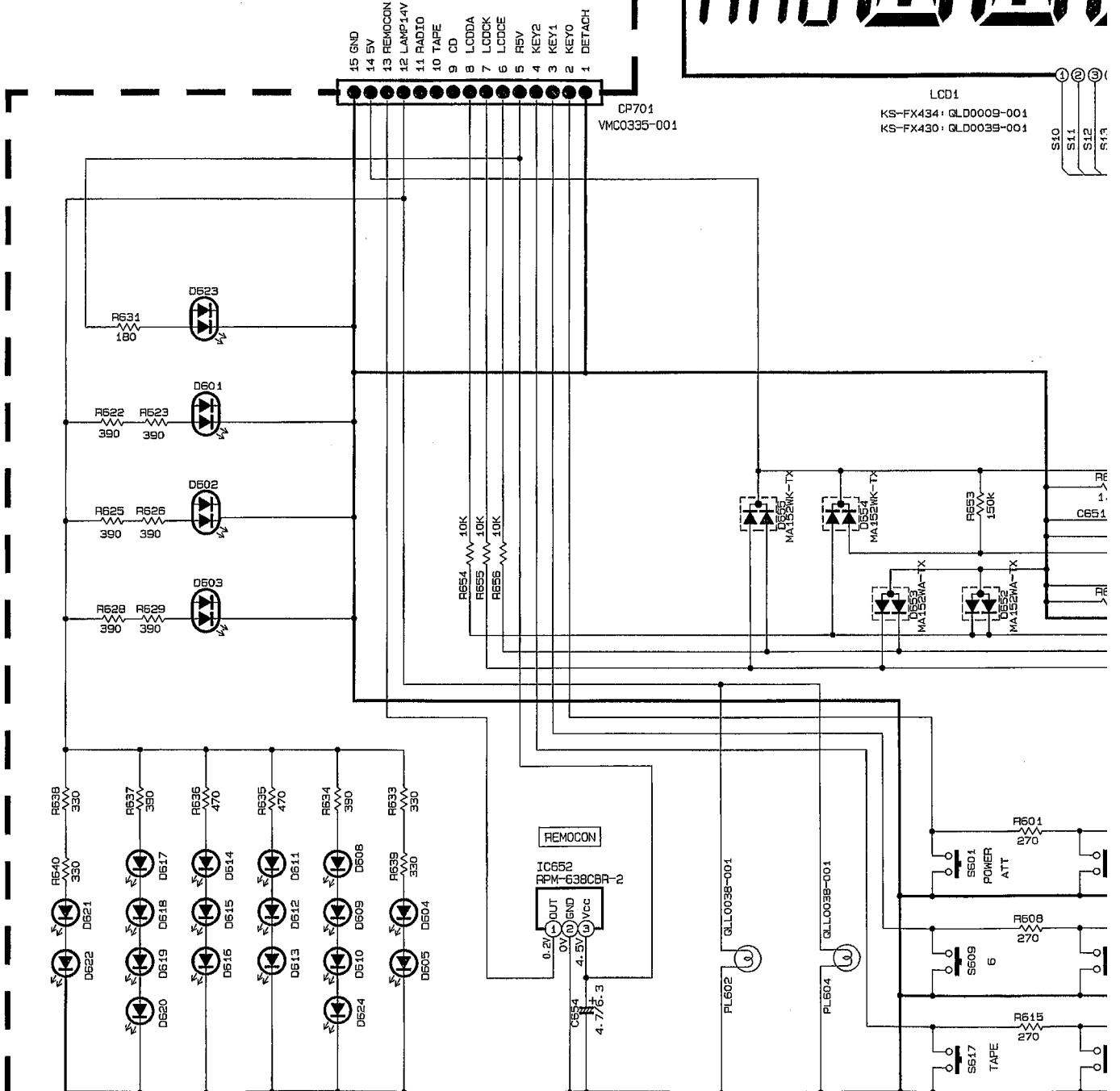
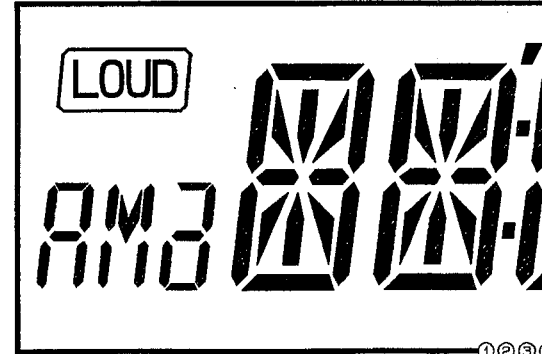
D



■ LCD Driver & Operation Switch Circuit

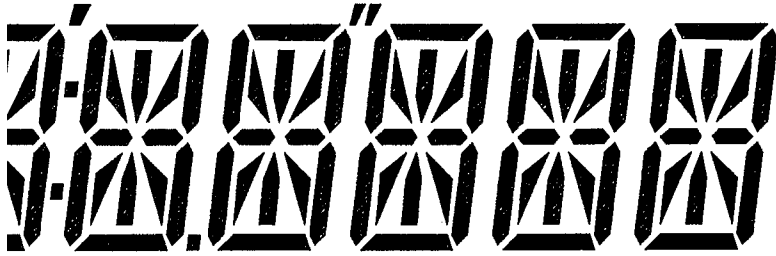
NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.  
CONDITION - - - FM MODE
2. UNLESS OTHERWISE SPECIFIED,  
ALL RESISTORS ARE 1/4W 5% CARBON RESISTOR OR 1/4W, 1/10W 5% METAL GLAZE RESISTOR.  
ALL CAPACITORS ARE 50V CERAMIC CAPACITOR.  
ALL RESISTANCE VALUES ARE IN OHM (Ω).  
ALL CAPACITANCE VALUES ARE IN μF (P=pF).  
ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) / RATED VOLTAGE(V).



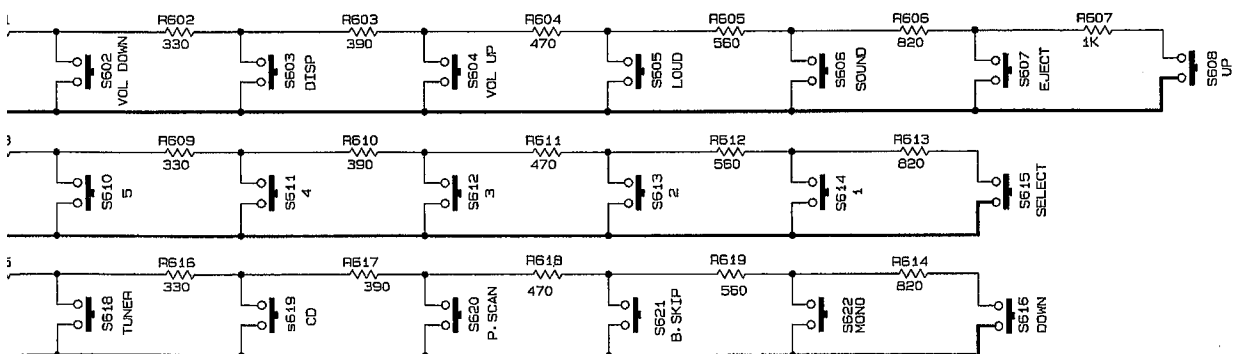
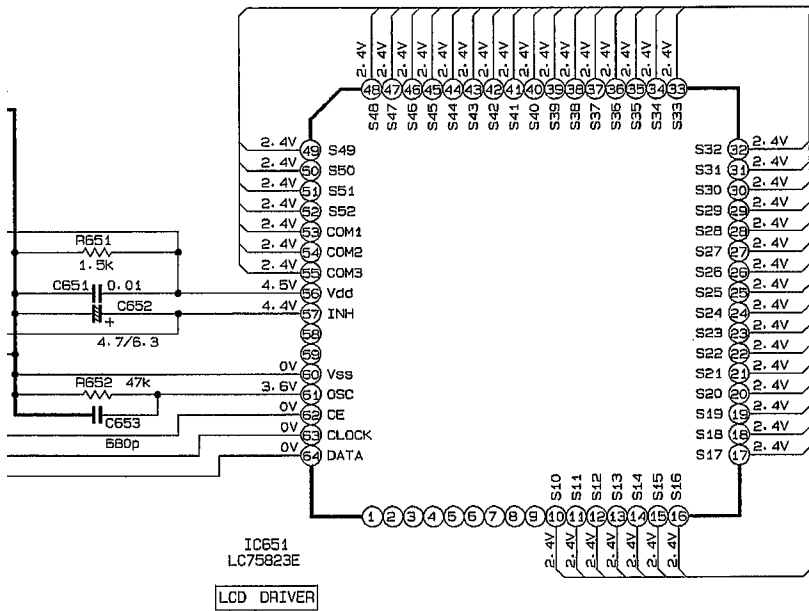
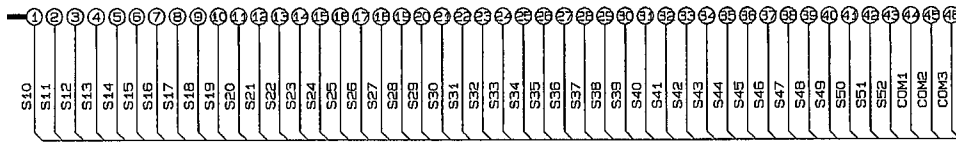
D604, D605, D608-D622, D624: SML-010PT/KL/-W  
D601-D603, D623: SML-020PDT-W





RPTRND

CD-CH



S601-S622: NSW0055-001X

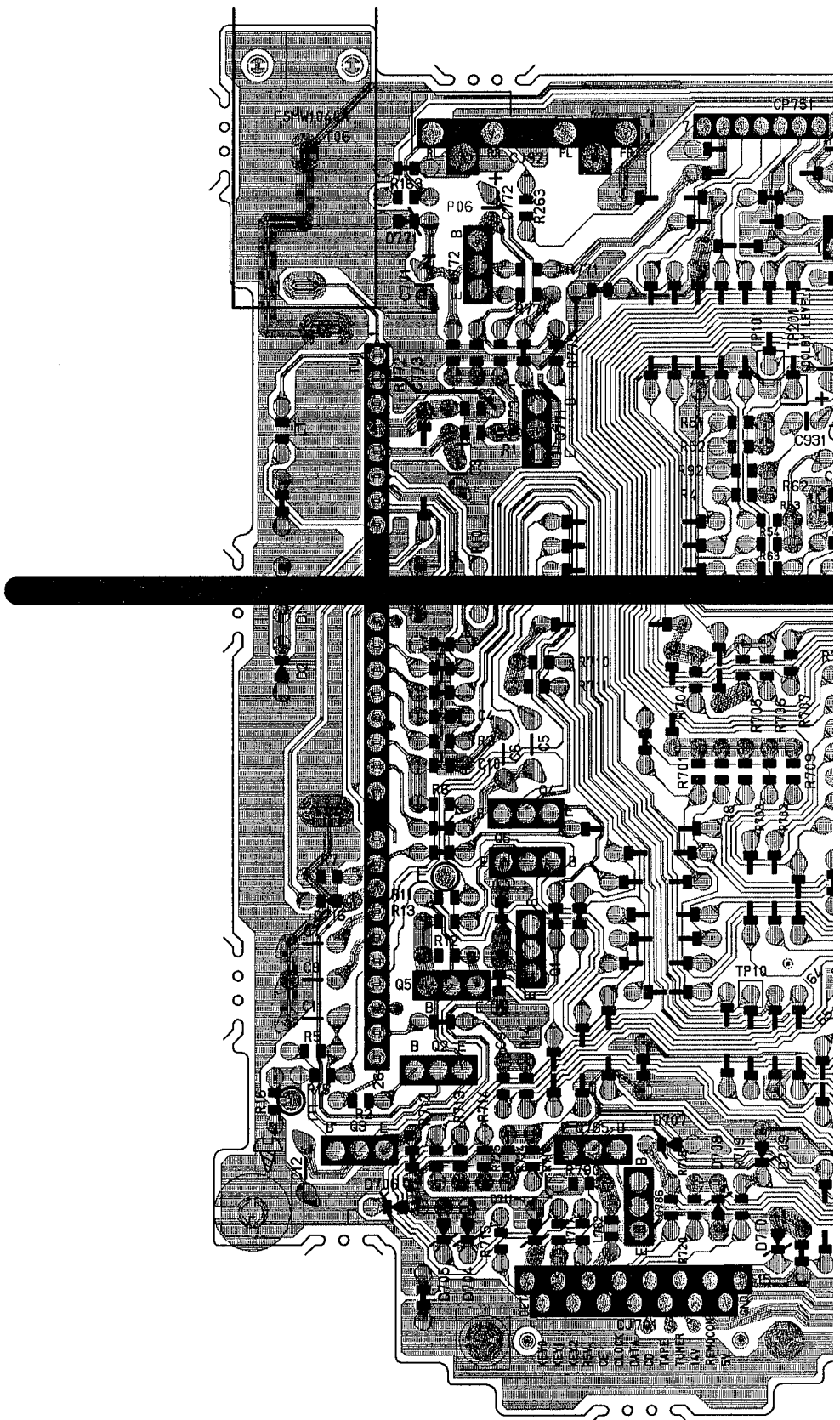
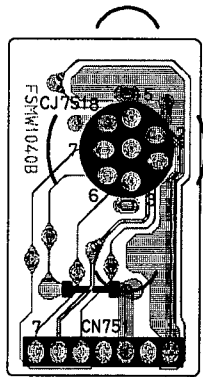
SW. P. W. B. FSMW1039

# Location of P.C. Board Parts

■ Main Board : Block No. 0 1 (KS-FX434) 0 2 (KS-FX430)

5  
4  
3  
2  
1

● Changer Connector Board

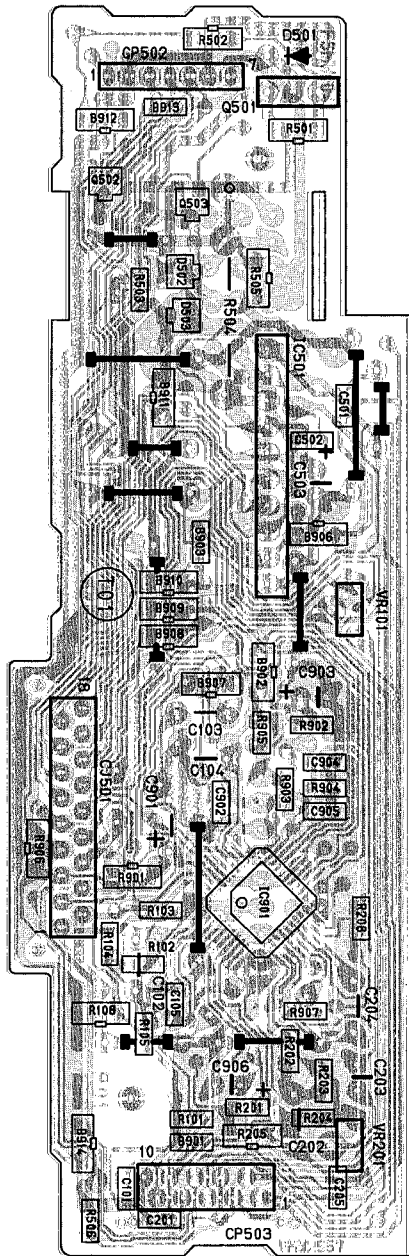


A B C D



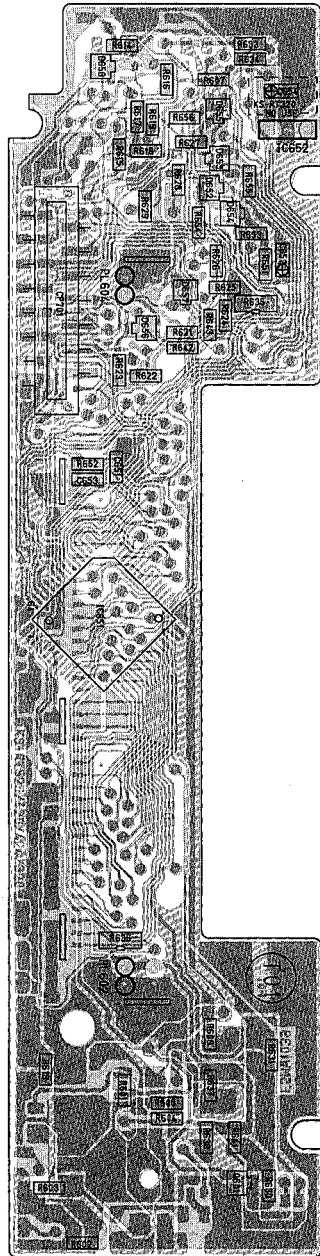
■ Mechanism Control Board : Block No. 0 5 (KS-FX434) 0 6 (KS-FX430)

5  
4  
3  
2  
1

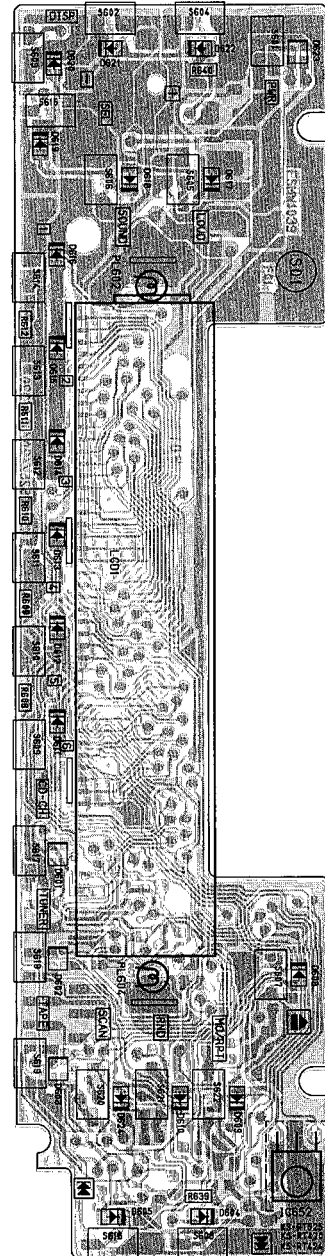


■ Operation Switch Board : Block No. 0 3 (KS-FX434) 0 4 (KS-FX430)

(Solder side)



(Parts side)



D

E

F

G

H



**PARTS LIST**

[ KS-FX434 /FX430 ]

\* All printed circuit boards and its assemblies are not available as service parts.

Area Suffix

J ---- U.S.A (KS-FX434/FX430)  
 U ---- Other Areas (KS-FX434)

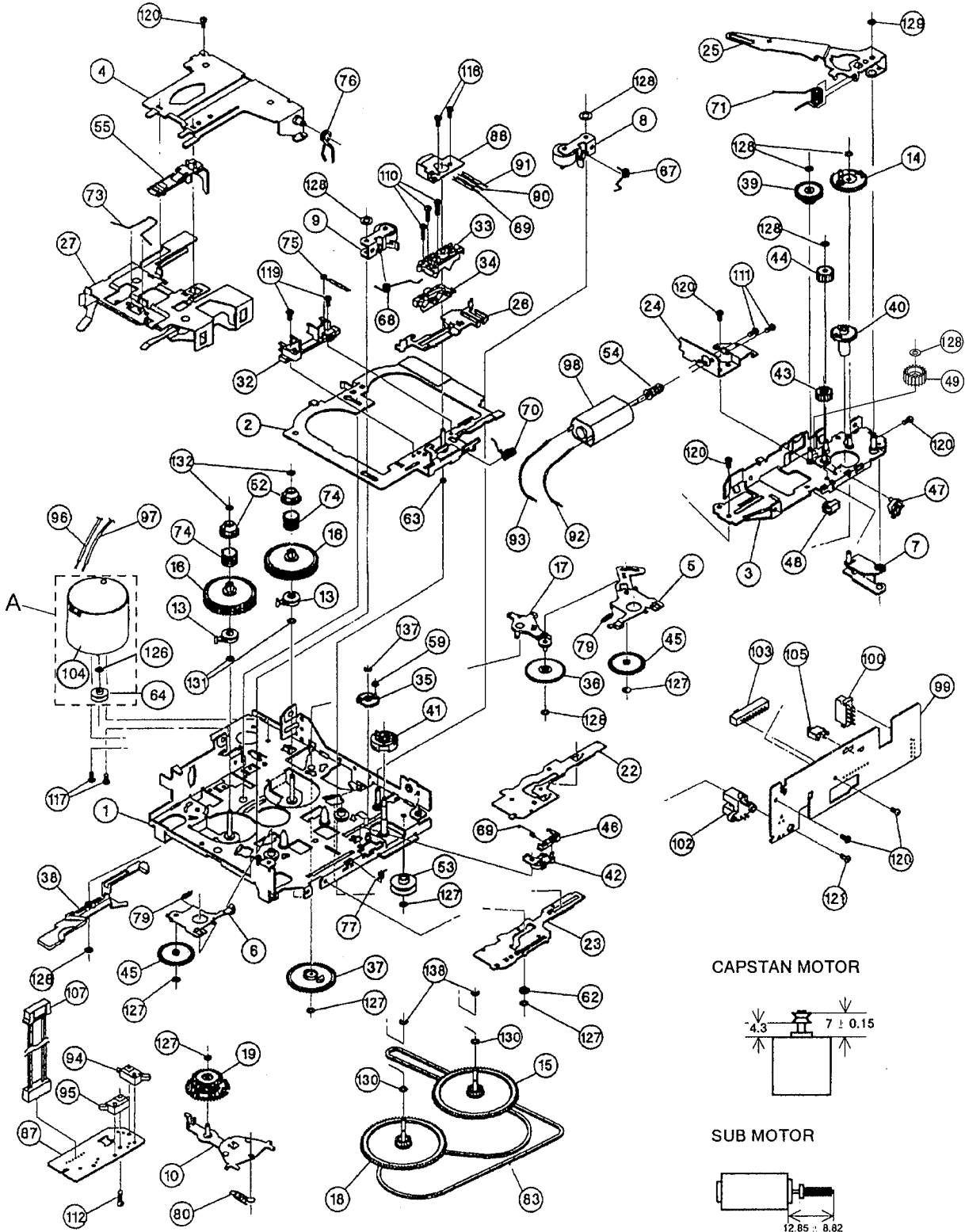
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# Cassette Mechanism Exploded View and Parts List

MODEL : CDS-522NJ

Block No. M 2 M M







## ■ Cassette Mechanism Parts List

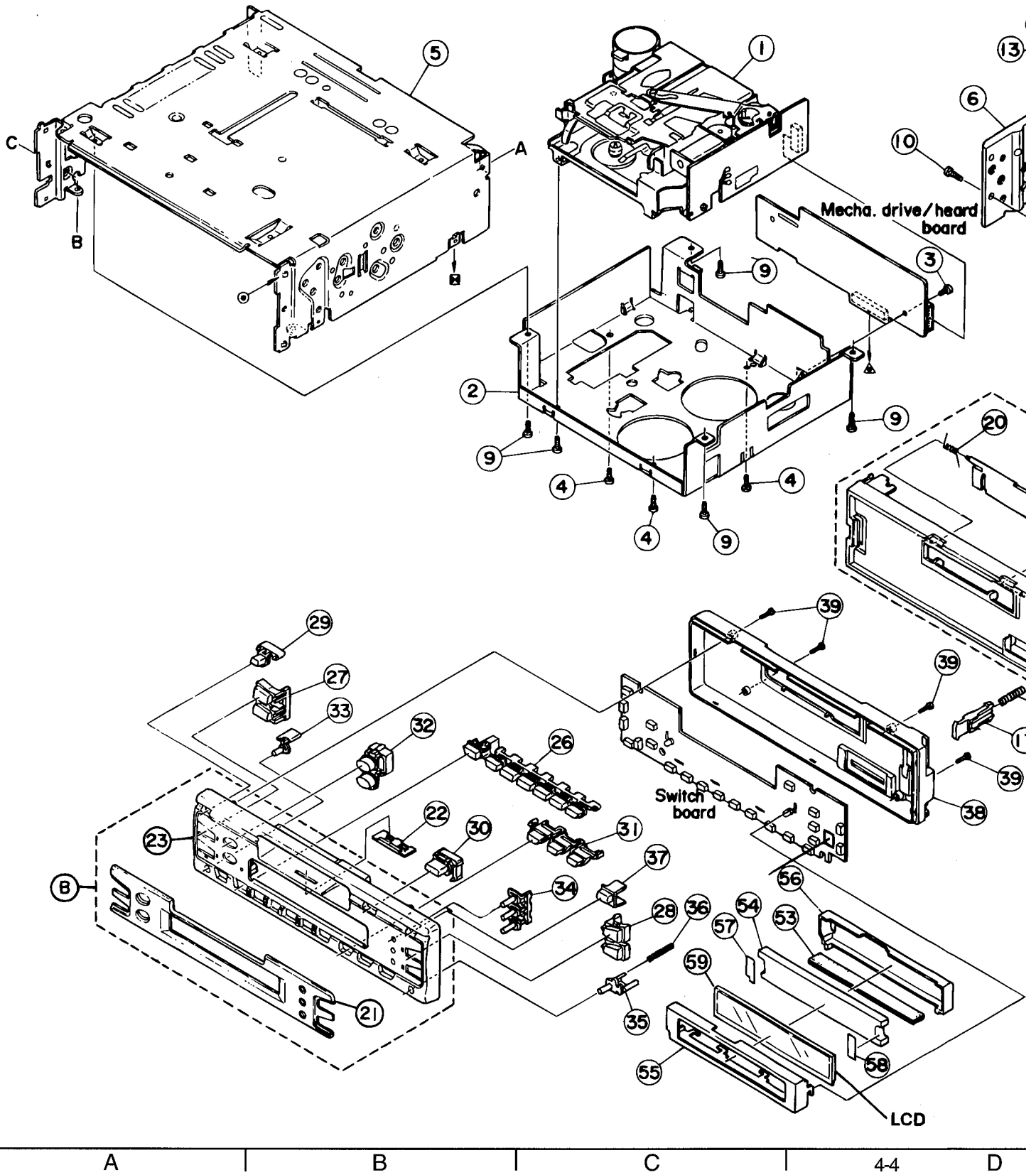
BLOCK NO.

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	A	100367057S-SA1	DC MOTOR ASS'Y	EG-520ED-3B	1		
	1	1-0522-6001-02S	CHASSIS ASS'Y		1		
	2	1-0522-6002S	HEAD PLATE ASSY		1		
	3	1-0522-6003-11S	SUB CHASSIS ASS		1		
	4	X-0522-1004S	HOLDER ARM ASSY		1		
	5	X-0522-1006S	T.U.ARM(F)ASS'Y		1		
	6	X-0522-1007S	T.U.ARM(R)ASS'Y		1		
	7	X-0522-1010S	SET ARM ASS'Y		1		
	8	X-0522-1019S	PINCH ARM(F)ASY		1		
	9	X-0522-1020S	PINCH ARM(R)ASY		1		
	10	X-0522-1022S	FR ARM ASS'Y		1		
	13	X-0522-2008S	DETECT ARM ASSY		2		
	14	X-0522-2010S	LOAD GEAR ASS'Y		1		
	15	X-0522-2016-2S	FLYWHEEL ASY(FJ		1		
	16	X-0522-2018S	REEL TABLE ASSY		2		
	17	X-0522-2020S	REDUCT.GEAR ARM		1		
	18	X-0522-2021-2S	FLYWHEEL ASY(RJ		1		
	19	X-0052-2001S	F.R. GEAR ASS'Y		1		
	22	1-0522-1008S	DIR.PLATE		1		
	23	1-0522-1009S	FF/REW PLATE		1		
	24	1-0522-1027S	MOTOR BRACKET		1		
	25	1-0522-1013S	LOAD ARM		1		
	26	1-0522-1014S	SHIFT CAM LINK		1		
	27	1-0522-1017-10S	CASSETTE HOLDER		1		
	32	1-0522-2001S	TAPE GUIDE		1		
	33	1-0522-2002S	HEAD BRACKET		1		
	34	1-0522-2003S	HEAD SHIFT CAM		1		
	35	1-0522-2004-03S	SELECT GEAR		1		
	36	1-0522-2005S	REDUCTION GEAR		1		
	37	1-0522-2006S	DETECT GEAR		1		
	38	1-0522-2007S	DETECTOR		1		
	39	1-0522-2009S	WORM GEAR		1		
	40	1-0522-2011S	MODE GEAR		1		
	41	1-0522-2012S	MODE GEAR(2)		1		
	42	1-0522-2013S	GEAR LATCH		1		
	43	1-0522-2014S	IDLE GEAR(1)		1		
	44	1-0522-2015S	IDLE GEAR(2)		1		
	45	1-0522-2017S	TU GEAR		2		
	46	1-0522-2019S	RACHET		1		
	47	1-0522-2022S	SW ACTUATER		1		
	48	1-0522-2024S	PWB STAY		1		
	49	1-0052-2041S	COUNTER GEAR		1		
	52	1-0052-2004S	REEL DRIVER		2		
	53	1-0052-2006S	IDLE PULLEY		1		
	54	1-0522-2023S	WORM		1		
	55	1-0052-2032S	CATCH(K)		1		
	59	1-0522-3005S	SELECT GEAR COL		1		
	62	1-0052-3028S	H.B. ROLLER(L)		1		
	63	1-0052-3029S	H.B. ROLLER(S)		1		
	67	1-0522-4001S	P.ARM(F)SPRING		1		
	68	1-0522-4002S	P.ARM(R)SPRING		1		
	69	1-0522-4003S	G.LATCH SPRING		1		
	70	1-0522-4004S	HEAD SPRING		1		
	71	1-0522-4006S	LOAD ARM SPRING		1		

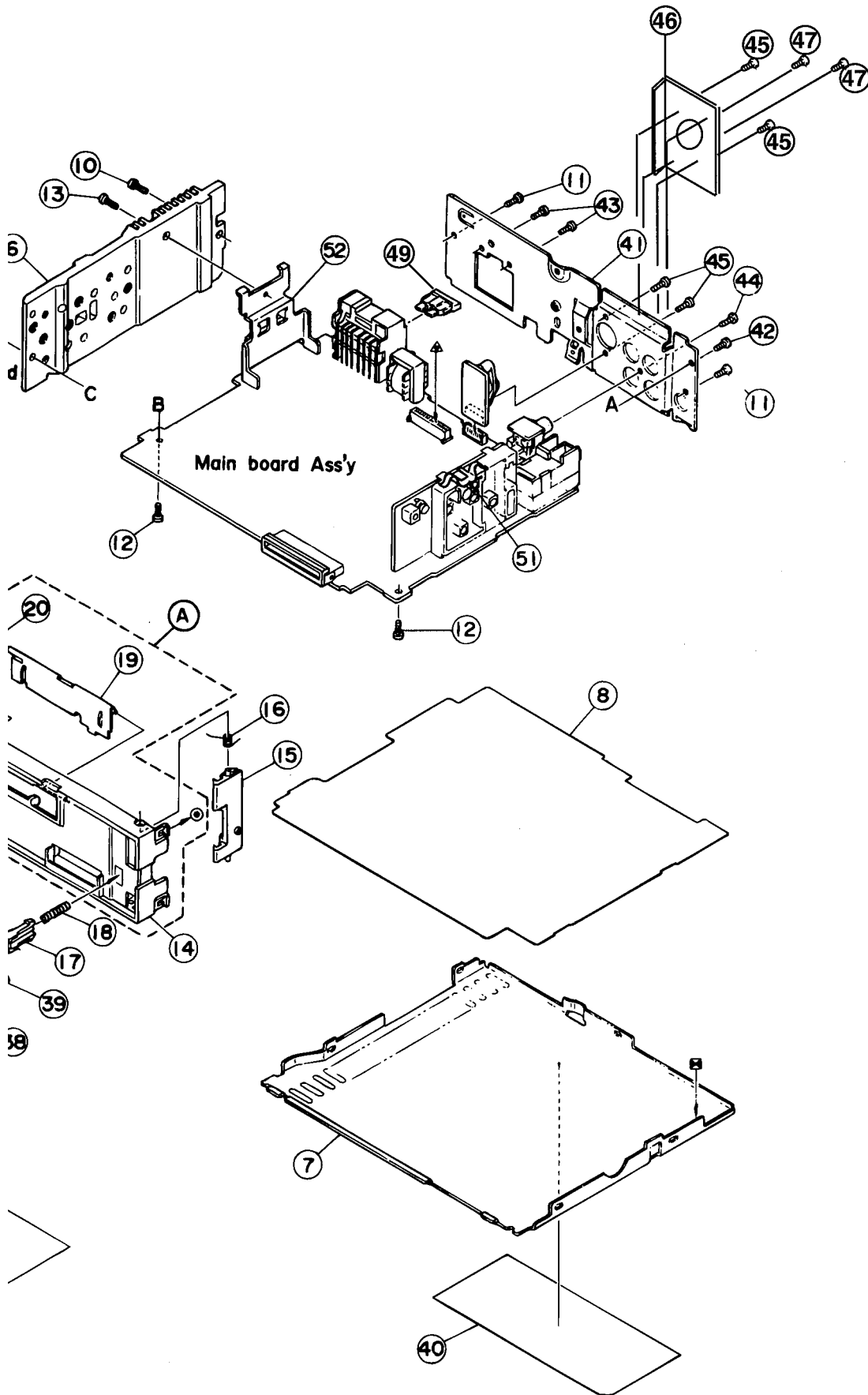
BLOCK NO. 

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
73	1-0522-4008S	CATCH SPRING		1		
74	1-0522-4010S	R.DRIVER SPRING		2		
75	1-0522-4011S	DASH SPRING		1		
76	1-0522-4014S	H.ARM SPRING		1		
77	1-0522-4016S	HOLD SPRING		1		
79	1-0522-4017S	TU ARM SPRING		2		
80	1-0522-4015S	FR ARM SPRING		1		
83	1-0052-5022S	BELT		1		
87	1-0522-7002S	REEL PWB		1		
88	1-0522-7003S	2CH HEAD	P-7742-HG	1		
89	1-0522-7004S	HEAD WIRE(A)		1		
90	1-0522-7005S	HEAD WIRE(B)		1		
91	1-0522-7006S	HEAD WIRE(C)		1		
92	1-0522-7007-03S	SUB MOTOR WIRE	RED	1		
93	1-0522-7008-03S	SUB MOTOR WIRE	BLACK	1		
94	1-0522-7010S	LEAF SWITCH	MLS-2	1		
95	1-0522-7011S	LEAF SWITCH	MLS-4	1		
96	1-0522-7013S	MOTOR WIRE	RED	1		
97	1-0522-7014S	MOTOR WIRE	BLACK	1		
98	1-0522-7018S	SUB MOTOR	PPN13EB10C	1		
99	1-0522-7022S	HEAD PWB(JV)		1		
100	1-0522-7024S	CONNECTOR 10P	TKC-F10X-K1	1		
102	X-0052-7040S	PHOTO COUPLER		1		
103	1-0036-7007-1S	SLIDE SWITCH	SLD-32-710S	1		
105	1-0056-7011S	SWITCH	SW-112-5	1		
107	1-0052-7013S	JOINT WIRE (7P)		1		
110	1-0522-5003S	AZIMUTH SCREW		3		
111	1-0052-5023S	MOTOR SCREW	M2X2.5	2		
112	1-0101-5006S	SCREW PLAIN	M1.7X7	1		
116	1-0522-5005S	SPECIAL SCREW(2		2		
117	2-1032-0022-C2S	MACHINE SCREW	M2X2.2	2		
119	1-0522-5006S	SPECIAL SCREW(3		2		
120	2-1332-0030-C1S	SCREW	M2X3	6		
121	2-1382-0050-C2S	PLAIN	M2X5	1		
127	2-1812-0030-D2S	POLY WASHER(S)	1.2X3X0.25	6		
128	2-1816-0032-D2S	POLY WASHER(S)	1.6X3.2X0.25	8		
129	2-1816-0032-52S	POLY WASHER(S)	1.6X3.2X0.5	1		
130	2-1821-0032-D1S	POLY WASHER	2.1X3.2X0.25	2		
131	2-1821-0040-D1S	POLY WASHER	2.1X4X0.25	2		
132	1-0053-5005S	WASHER	1.5X3.2X0.25	2		
137	2-1711-5040-16S	E RING	1.5	1		
138	2-1711-6032-96S	E RING	1.6X3.2X0.3	2		

# General Exploded View and Parts List



Block No. **M** **1** **M** **M**



D | E | F | G | H



# General Parts List

BLOCK NO. M1MM1111

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
A	ZCKSF230J-FB	F.CHASSIS ASS'Y	NO.14,19,20	1		
B	ZCKSF434J-NPA	NOSE PIECE	KS-FX434 ONLY	1		
	FSJC3010-00N	NOSE PIECE	KS-FX430 ONLY	1		
1	-----	CASSETTE MECHA		1		
2	FSKM2003-004	MECHA BRACKET		1		
3	SDST2604Z	SCREW	PCB+MECHA	1		
4	FSKZ4004-001	SCREW	MECHA+M.BKT	4		
5	FSJC1029-002	TOP CHASSIS		1		
6	FSMH3001-001	SIDE PANEL		1		
7	FSKM3007-001	BOTTOM COVER		1		
8	FSMA3004-003	INSULATOR		1		
9	SDST2604Z	SCREW	CHASSIS+MECHA B	4		
10	SDST2608Z	SCREW	CHASSIS+SIDE PA	2		
11	SDST2606Z	SCREW	CHASSIS+REAR BK	2		
12	SDST2606Z	SCREW	CHASSIS+MAIN PW	2		
13	SDST2608Z	SCREW	SIDE PANEL+IC B	1		
14	FSJC2009-003	FRONT CHASSIS		1		
15	FSKS3004-001	LOCK LEVER		1		
16	FSKW4005-003	TORSION SPRING		1		
17	FSXP3026-002	RLS KNOB		1		
18	FSKW3002-004	COMP.SPRING		1		
19	FSJC4003-010	CASSETTE LID		1		
20	VKW4947-002	DOOR SPRING		1		
21	FSJD2020-00J	FINDER ASSY	KS-FX434 ONLY	1		
22	FSJK3006-001	LIGHT LENS		1		
23	FSJC1025-009	FRONT PANEL	KS-FX434 ONLY	1		
26	FSXP2022-001	PRESET BUTTON	1/2/3/4/5/6	1		
27	FSXP3036-003	+/- BUTTON		1		
28	FSXP3037-001	UP DOWN BUTTON		1		
29	FSXP3033-001	POWER BUTTON		1		
30	FSXP3034-001	EJECT BUTTON		1		
31	FSXP2023-003	D.FUNC BUTTON	CD/TUNER/TAPE	1		
32	FSXP3038-003	SND/C. BUTTON		1		
33	FSXP4001-001	DISPLAY BUTTON		1		
34	FSXP3039-001	PUSH BUTTON	MONO/RND/SCAN	1		
35	FSXP3035-002	DETACH BUTTON		1		
36	FSKW3002-008	COMP.SPRING	FOR DETACH BUTT	1		
37	FSJK4007-001	REMOTE LENS		1		
38	FSJC1026-005	REAR COVER		1		
39	SPSF1780M	MINI SCREW	F.PANEL+REAR CO	4		
40	FSYN3041-006	NAME PLATE	KS-FX434 J/C	1		
	FSYN3040-006	NAME PLATE	KS-FX430 ONLY	1		
	FSYN3041-007	NAME PLATE	KS-FX434 U ONLY	1		
41	FSKM3008-005	REAR BRACKET		1		
42	SDST2606Z	SCREW	REAR BKT+ANT JA	1		
43	SDSP2606Z	SCREW	REAR BKT+15P CN	2		
44	SDSF3006Z	SCREW	REAR BKT+PIN JA	1		
45	SDSF2608Z	SCREW	REAR BKT+CD IN	4		
46	FSKM4001-001	CHANGER BRACKET		1		
47	SDST2606Z	SCREW	REAR BKT+CD BKT	2		
49	QMFZ021-100-J1	FUSE		1		
51	VMA4652-001SS	EARTH PLATE		1		
52	FSKL4013-002	IC BRACKET		1		
53	VMZ0147-001	LCD CONNECTOR		1		
54	FSJK3021-001	LCD LENS		1		
55	FSYH3011-001	LCD CASE		1		
56	VKS3750-003	LENS CASE		1		
57	FSYT4006-001	BLIND(L)		1		
58	FSYT4005-001	BLIND(R)		1		
59	FSYH4052-001	LIGHTING SHEET		1	J,C	
	FSYH4053-001	LIGHTING SHEET		1	U	
LCD 1	QLD0009-001	LCD		1		

Main Board (KS-FX434)

BLOCK NO. 01111111

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
BZ 1	QAN0002-001	BUZZER		
C 2	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
C 3	QERF1HM-224ZM	E. CAPACITOR	.22MF 20% 50V	
C 4	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
C 5	QCC11EK-153ZV	C. CAPACITOR	.015MF 10% 25V	
C 6	QCC11EM-223V	C. CAPACITOR	.022MF 20% 25V	J,C
C 7	QCC11EK-273Z	C. CAPACITOR	.027MF 10% 25V	U
C 8	QCC11EM-223V	C. CAPACITOR	.022MF 20% 25V	U
C 9	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
C 10	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
C 11	QCC11EK-273Z	C. CAPACITOR	.027MF 10% 25V	J,C
C 12	QFV41HJ-224	TF CAPACITOR	.22MF 5% 50V	J,C
C 131	QER41HM-105	E. CAPACITOR	FM	
C 132	QER41HM-105	E. CAPACITOR	TAPE	
C 133	QER41HM-105	E. CAPACITOR	CD	
C 134	QFLA1HJ-822ZM	M. CAPACITOR	8200PF 5% 50V	
C 135	QFV11HJ-154AZM	TF CAPACITOR	.15MF 5% 50V	
C 136	QFV41HJ-224	TF CAPACITOR	.22MF 5% 50V	
C 137	QFV41HJ-333	TF CAPACITOR	.033MF 5% 50V	
C 138	QFLA1HJ-562ZM	M. CAPACITOR	5600PF 5% 50V	
C 150	QER41HM-105	E. CAPACITOR	FRONT	
C 151	QER41HM-105	E. CAPACITOR	FRONT	
C 152	QCB1HK-471Y	C. CAPACITOR	FRONT	
C 153	QER41HM-225	E. CAPACITOR	2.2MF 20% 50V	
C 160	QER41HM-105	E. CAPACITOR	REAR	
C 161	QER41HM-105	E. CAPACITOR	REAR	
C 162	QCB1HK-471Y	C. CAPACITOR	REAR	
C 231	QER41HM-105	E. CAPACITOR	FM	
C 232	QER41HM-105	E. CAPACITOR	TAPE	
C 233	QER41HM-105	E. CAPACITOR	CD	
C 234	QFLA1HJ-822ZM	M. CAPACITOR	8200PF 5% 50V	
C 235	QFV11HJ-154AZM	TF CAPACITOR	.15MF 5% 50V	
C 236	QFV41HJ-224	TF CAPACITOR	.22MF 5% 50V	
C 237	QFV41HJ-333	TF CAPACITOR	.033MF 5% 50V	
C 238	QFLA1HJ-562ZM	M. CAPACITOR	5600PF 5% 50V	
C 250	QER41HM-105	E. CAPACITOR	FRONT	
C 251	QER41HM-105	E. CAPACITOR	FRONT	
C 252	QCB1HK-471Y	C. CAPACITOR	FRONT	
C 260	QER41HM-105	E. CAPACITOR	REAR	
C 261	QER41HM-105	E. CAPACITOR	REAR	
C 262	QCB1HK-471Y	C. CAPACITOR	REAR	
C 351	QERF1HM-104ZN	E. CAPACITOR	.10MF 20% 50V	
C 352	QCB1HM-104ZN	E. CAPACITOR	.10MF 20% 50V	
C 701	QCT300J-270Y	C CAPACITOR	27PF 5% 50V	
C 702	QCT300CH-220Y	C CAPACITOR	22PF 5% 50V	
C 703	QER40JM-107	E. CAPACITOR	100MF 20% 6.3V	
C 704	QFV41HJ-224	TF CAPACITOR	.22MF 5% 50V	
C 751	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
C 771	QER41HM-227N	E. CAPACITOR	220MF 20% 10V	
C 772	QER41HM-225	E. CAPACITOR	2.2MF 20% 50V	
C 773	QCB1HK-102	C CAPACITOR	1000PF 10% 50V	
C 782	QERF1HM-104ZN	E. CAPACITOR	.10MF 20% 50V	

BLOCK NO. 01111111

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C 783	QETNOJM-228Z	E CAPACITOR	2200MF 20% 6.3V	
C 784	QER41AM-227N	E. CAPACITOR	220MF 20% 10V	
C 931	QER41HM-105	E. CAPACITOR	AM	
C 932	QER40JM-107	E. CAPACITOR	100MF 20% 6.3V	
C 933	QER41AM-107	E. CAPACITOR	100MF 20% 10V	
C 934	QER41CM-476M	E. CAPACITOR	47MF 20% 16V	
C 941	QER41CM-476M	E. CAPACITOR	47MF 20% 16V	
C 942	QER41CM-476M	E. CAPACITOR	47MF 20% 16V	
C 981	QEZ0337-228	E CAPACITOR	2200MF	
C 985	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
C 986	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
C 987	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
CJ701	VNC0334-001	CONNECTOR	TO FRONT PANEL	
CJ751	VNJ4047-001	JACK		
CJ921	VWJ3022-101	PIN JACK		
CM 02	QCFB1H7-104Y	C. CAPACITOR	.10MF +80% -20%	
CP702	QGB1214J1-18S	CONNECTOR	TO MECHA	
CP751	QGA2001F1-08	CONNECTOR		
CP981	QNZ0002-001	16P CONNECTOR		
D 1	1SS119-041	SI DIODE		
D 2	1SS119-041	SI DIODE		
D 161	1SS119-041	SI DIODE	REAR	
D 261	1SS119-041	SI DIODE	REAR	
D 701	1SS119-041	SI DIODE	FM IFC	
D 702	1SS119-041	SI DIODE	BEEP	
D 703	1SS119-041	SI DIODE	MS	
D 704	MTZ6.2JC	ZENER DIODE		
D 705	MTZ6.2JC	ZENER DIODE		
D 706	MTZ6.2JC	ZENER DIODE		
D 707	MTZ6.2JC	ZENER DIODE		
D 708	MTZ6.2JC	ZENER DIODE		
D 709	MTZ6.2JC	ZENER DIODE		
D 710	MTZ6.2JC	ZENER DIODE		
D 711	MTZ6.2JC	ZENER DIODE		
D 714	1SS119-041	SI DIODE		U
D 716	1SS119-041	SI DIODE		
D 720	DSK10C-E	DIODE		
D 771	MTZ10JAT-77	ZENER DIODE		
D 781	RB721G-T2	S. B. DIODE		
D 782	1SS119-041	SI DIODE		
D 784	DSK10C-E	DIODE		
D 941	MTZ11JB	ZENER DIODE		
D 943	1SS119-041	SI DIODE		
D 944	1SS119-041	SI DIODE		
D 981	1N5401TM	DIODE		
EE	QWE351-064K4K	WIRE		
IC701	LC72362N-9343	I C		
IC751	HD74HC126P	I C		
IC781	TDA3603P	I C		
IC931	TEA6320T	I C		CD-CH REGULATOR
IC981	TDA85670	I C		
J 1	GNZ0009-001	CAR ANT JACK		
L 1	VGP0018-4R7	INDUCTOR		
L 781	VGP0018-470	INDUCTOR		
L 782	VGP0018-470	INDUCTOR		



BLOCK NO. 01111111

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R 161	GRD161J-103	C RESISTOR	REAR	
R 162	GRD161J-821	C RESISTOR	REAR	
R 163	GRD161J-101	C RESISTOR	REAR	
R 164	GRD161J-222	C RESISTOR	REAR	
R 231	GRD161J-223	C RESISTOR	22K 5% 1/4W	
R 232	GRD161J-222	C RESISTOR	2.2K 5% 1/4W	
R 250	GRD161J-103	C RESISTOR	FRONT	
R 260	GRD161J-103	C RESISTOR	REAR	
R 261	GRD161J-103	C RESISTOR	REAR	
R 262	GRD161J-821	C RESISTOR	REAR	
R 263	GRD161J-101	C RESISTOR	REAR	
R 264	GRD161J-222	C RESISTOR	REAR	
R 351	GRD161J-102	C RESISTOR	1.0K 5% 1/4W	
R 352	GRD161J-221	C RESISTOR	220 5% 1/4W	
R 701	GRD161J-473	C RESISTOR	DOLBY	
R 702	GRD161J-473	C RESISTOR	MSIN	
R 703	GRD161J-473	C RESISTOR	F/R	
R 704	GRD161J-473	C RESISTOR	MODE	
R 705	GRD161J-473	C RESISTOR	TAPEEND	
R 706	GRD161J-473	C RESISTOR	STANDBY	
R 707	GRD161J-473	C RESISTOR	TAPEIN	
R 708	GRD161J-473	C RESISTOR	ST/MONO	
R 709	GRD161J-472	C RESISTOR	4.7K 5% 1/4W	
R 710	GRD161J-472	C RESISTOR	4.7K 5% 1/4W	
R 711	GRD161J-473	C RESISTOR	4.7K 5% 1/4W	
R 712	GRD161J-332	C RESISTOR	KEY2	
R 713	GRD161J-332	C RESISTOR	KEY1	
R 714	GRD161J-332	C RESISTOR	KEY0	
R 715	GRD161J-101	C RESISTOR	100 5% 1/4W	
R 716	GRD161J-101	C RESISTOR	100 5% 1/4W	
R 717	GRD161J-101	C RESISTOR	100 5% 1/4W	
R 718	GRD161J-332	C RESISTOR	3.3K 5% 1/4W	
R 719	GRD161J-332	C RESISTOR	3.3K 5% 1/4W	
R 720	GRD161J-332	C RESISTOR	3.3K 5% 1/4W	
R 721	GRD161J-332	C RESISTOR	3.3K 5% 1/4W	
R 722	GRD161J-332	C RESISTOR	3.3K 5% 1/4W	
R 723	GRD161J-472	C RESISTOR	4.7K 5% 1/4W	
R 724	GRD161J-472	C RESISTOR	4.7K 5% 1/4W	
R 725	GRD161J-473	C RESISTOR	4.7K 5% 1/4W	
R 731	GRD161J-100	C RESISTOR	10 5% 1/4W	
R 751	GRD161J-102	C RESISTOR	1.0K 5% 1/4W	
R 752	GRD161J-472	C RESISTOR	4.7K 5% 1/4W	
R 753	GRD161J-473	C RESISTOR	4.7K 5% 1/4W	
R 754	GRD161J-334	C RESISTOR	330K 5% 1/4W	
R 755	GRD161J-101	C RESISTOR	100 5% 1/4W	
R 756	GRD161J-101	C RESISTOR	100 5% 1/4W	
R 757	GRD161J-473	C RESISTOR	4.7K 5% 1/4W	
R 758	GRD161J-473	C RESISTOR	4.7K 5% 1/4W	
R 759	GRD161J-101	C RESISTOR	100 5% 1/4W	
R 760	GRD161J-103	C RESISTOR	10K 5% 1/4W	
R 761	GRD161J-102	C RESISTOR	1.0K 5% 1/4W	
R 762	GRD161J-102	C RESISTOR	1.0K 5% 1/4W	
R 763	GRD161J-102	C RESISTOR	1.0K 5% 1/4W	
R 764	GRD161J-473	C RESISTOR	4.7K 5% 1/4W	
R 771	GRD161J-471	C RESISTOR	470 5% 1/4W	

BLOCK NO. 01111111

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
L 981	QR0528-002	CHOKO COIL		
Q 1	DTC114ESA-T	D.TRANSISTOR		
Q 2	2SA933AS(RS)-T	D.TRANSISTOR		
Q 3	DTC114ESA-T	D.TRANSISTOR		
Q 4	2SA933AS(RS)-T	D.TRANSISTOR		
Q 5	2SB1322(RS)	D.TRANSISTOR		
Q 6	DTC114ESA-T	D.TRANSISTOR		
Q 161	2SC1740S(R,S)	D.TRANSISTOR	REAR	
Q 261	2SC1740S(R,S)	D.TRANSISTOR	REAR	
Q 351	DTC114ESA-T	D.TRANSISTOR		
Q 771	2SC1740S(R,S)	D.TRANSISTOR		
Q 772	2SC1740S(R,S)	D.TRANSISTOR		
Q 781	DTC114ESA-T	D.TRANSISTOR		
Q 782	2SB1322(RS)	D.TRANSISTOR		
Q 783	DTC114ESA-T	D.TRANSISTOR		
Q 784	2SB1322(RS)	D.TRANSISTOR		
Q 785	DTA114ES	D.TRANSISTOR		
Q 786	DTC114ESA-T	D.TRANSISTOR		
Q 789	DTA114ES	D.TRANSISTOR		
Q 941	DTA114ES	D.TRANSISTOR		
Q 942	DTA114ES	D.TRANSISTOR		
Q 943	DTC114ESA-T	D.TRANSISTOR		
R 1	GRD161J-102	C RESISTOR	1.0K 5% 1/4W	
R 2	GRD161J-223	C RESISTOR	22K 5% 1/4W	
R 3	GRD161J-220	C RESISTOR	22 5% 1/4W	
R 4	GRD161J-473	C RESISTOR	47K 5% 1/4W	J-C
R 5	GRD161J-303Y	C RESISTOR	30K 5% 1/4W	U
R 6	GRD161J-453	C RESISTOR	43K 5% 1/4W	
R 7	GRD161J-333	C RESISTOR	33K 5% 1/4W	
R 8	GRD161J-124	C RESISTOR	120K 5% 1/4W	
R 9	GRD161J-472	C RESISTOR	4.7K 5% 1/4W	
R 10	GRD161J-473	C RESISTOR	4.7K 5% 1/4W	
R 11	GRD161J-100	C RESISTOR	10 5% 1/4W	
R 12	GRD161J-222	C RESISTOR	2.2K 5% 1/4W	
R 13	GRD161J-473	C RESISTOR	4.7K 5% 1/4W	
R 14	GRD161J-473	C RESISTOR	4.7K 5% 1/4W	
R 15	GRD161J-155	C RESISTOR	1.5M 5% 1/4W	
R 16	GRD161J-225	C RESISTOR	2.2M 5% 1/4W	
R 51	GRD161J-392	C RESISTOR	3.9K 5% 1/4W	J-C
R 52	GRD161J-202	C RESISTOR	2.0K 5% 1/4W	U
R 53	GRD161J-562	C RESISTOR	5.6K 5% 1/4W	U
R 54	GRD161J-332	C RESISTOR	3.3K 5% 1/4W	J-C
R 55	GRD161J-203	C RESISTOR	20K 5% 1/4W	
R 61	GRD161J-752	C RESISTOR	7.5K 5% 1/4W	J-C
R 62	GRD161J-392	C RESISTOR	3.9K 5% 1/4W	J-C
R 63	GRD161J-202	C RESISTOR	2.0K 5% 1/4W	U
R 64	GRD161J-562	C RESISTOR	5.6K 5% 1/4W	U
R 65	GRD161J-332	C RESISTOR	3.3K 5% 1/4W	J-C
R 66	GRD161J-203	C RESISTOR	20K 5% 1/4W	J-C
R 67	GRD161J-203	C RESISTOR	20K 5% 1/4W	
R 131	GRD161J-752	C RESISTOR	7.5K 5% 1/4W	
R 132	GRD161J-223	C RESISTOR	22K 5% 1/4W	
R 150	GRD161J-103	C RESISTOR	2.2K 5% 1/4W	
R 160	GRD161J-103	C RESISTOR	FRONT	
R 161	GRD161J-103	C RESISTOR	REAR	

Main Board (KS-FX430)

BLOCK NO. 02

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	BZ 1	0AN0002-001	BZZER		
	C 2	QCVB1CM-103Y	E-CAPACITOR	.010MF 20% 16V	
	C 3	QERF1HM-224ZM	E-CAPACITOR	.22MF 20% 50V	
	C 4	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
	C 5	QCC11EK-1532V	C-CAPACITOR	.015MF 10% 25V	
	C 6	QCC11EM-223V	C-CAPACITOR	.022MF 10% 25V	
	C 7	QCC11EK-333Z	C-CAPACITOR	.033MF 10% 25V	
	C 8	QCC11EK-333Z	C-CAPACITOR	.033MF 10% 25V	
	C 9	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
	C 10	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
	C 11	QCC11EK-273Z	C-CAPACITOR	.027MF 10% 25V	
	C 12	QFV41HJ-224	FILM CAPACITOR	.22MF 5% 50V	
	C 131	QER41HM-105	E-CAPACITOR	FM	
	C 132	QER41HM-105	E-CAPACITOR	TAPE	
	C 133	QER41HM-105	E-CAPACITOR	CD	
	C 134	QFLA1HJ-822ZM	M-CAPACITOR	8200PF 5% 50V	
	C 135	QFV41HJ-154AZM	FILM CAPACITOR	.15MF 5% 50V	
	C 136	QFV41HJ-224	FILM CAPACITOR	.22MF 5% 50V	
	C 137	QFV41HJ-333	FILM CAPACITOR	.033MF 5% 50V	
	C 138	QFLA1HJ-562ZM	M-CAPACITOR	5600PF 5% 50V	
	C 150	QER41HM-105	E-CAPACITOR	FRONT	
	C 151	QER41HM-105	E-CAPACITOR	FRONT	
	C 152	QCBBIHK-471Y	C-CAPACITOR	FRONT	
	C 153	QER41HM-225	E-CAPACITOR	2.2MF 20% 50V	
	C 160	QER41HM-105	E-CAPACITOR	REAR	
	C 161	QER41HM-105	E-CAPACITOR	REAR	
	C 162	QCBBIHK-471Y	C-CAPACITOR	REAR	
	C 231	QER41HM-105	E-CAPACITOR	FM	
	C 232	QER41HM-105	E-CAPACITOR	TAPE	
	C 233	QER41HM-105	E-CAPACITOR	CD	
	C 234	QFLA1HJ-822ZM	M-CAPACITOR	8200PF 5% 50V	
	C 235	QFV41HJ-154AZM	FILM CAPACITOR	.15MF 5% 50V	
	C 236	QFV41HJ-224	FILM CAPACITOR	.22MF 5% 50V	
	C 237	QFV41HJ-333	FILM CAPACITOR	.033MF 5% 50V	
	C 238	QFLA1HJ-562ZM	M-CAPACITOR	5600PF 5% 50V	
	C 250	QER41HM-105	E-CAPACITOR	FRONT	
	C 251	QER41HM-105	E-CAPACITOR	FRONT	
	C 252	QCBBIHK-471Y	C-CAPACITOR	FRONT	
	C 260	QER41HM-105	E-CAPACITOR	REAR	
	C 261	QER41HM-105	E-CAPACITOR	REAR	
	C 262	QCBBIHK-471Y	C-CAPACITOR	REAR	
	C 351	QERF1HM-104ZN	E-CAPACITOR	.10MF 20% 50V	
	C 352	QERF1HM-104ZN	E-CAPACITOR	.10MF 20% 50V	
	C 701	QCT50UJ-270Y	C-CAPACITOR	27PF 5% 50V	
	C 702	QCT05CH-220	C-CAPACITOR	22PF 5% 50V	
	C 703	QER40JM-107	E-CAPACITOR	100MF 20% 6.3V	
	C 704	QFV41HJ-224	FILM CAPACITOR	.22MF 5% 50V	
	C 751	QCVB1CM-103Y	C-CAPACITOR	.010MF 20% 16V	
	C 771	QER41AM-227N	E-CAPACITOR	220MF 20% 10V	
	C 772	QER41HM-225	E-CAPACITOR	2.2MF 20% 50V	
	C 773	QCBBIHK-102Y	C-CAPACITOR	1000PF 10% 50V	
	C 782	QERF1HM-104ZN	E-CAPACITOR	.10MF 20% 50V	
	C 783	QETNOJM-228Z	E-CAPACITOR	2200MF 20% 6.3V	
	C 784	QER41AM-227N	E-CAPACITOR	220MF 20% 10V	
	C 931	QER41HM-105	E-CAPACITOR	AM	

BLOCK NO. 01

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 772	QRD161J-332	C RESISTOR	3.3K 5% 1/4W	
	R 773	QRD161J-102	C RESISTOR	1.0K 5% 1/4W	
	R 774	QRD161J-331	C RESISTOR	330 5% 1/4W	
	R 775	QRD161J-152	C RESISTOR	1.5K 5% 1/4W	
	R 781	QRD161J-203	C RESISTOR	20K 5% 1/4W	
	R 782	QRD161J-103	C RESISTOR	10K 5% 1/4W	
	R 783	QRD161J-473	C RESISTOR	47K 5% 1/4W	
	R 784	QRD161J-102	C RESISTOR	1.0K 5% 1/4W	
	R 785	QRD161J-473	C RESISTOR	47K 5% 1/4W	
	R 786	QRD161J-102	C RESISTOR	1.0K 5% 1/4W	
	R 787	QRD161J-470	CARBON RESISTOR	47 5% 1/4W	
	R 788	QRD161J-104	C RESISTOR	100K 5% 1/4W	
	R 789	QRD161J-474	C RESISTOR	470K 5% 1/4W	
	R 790	QRD161J-272	C RESISTOR	2.7K 5% 1/4W	
	R 795	QRD161J-103	C RESISTOR	10K 5% 1/4W	
	R 796	QRD161J-333	C RESISTOR	33K 5% 1/4W	
	R 921	QRD161J-273	C RESISTOR	27K 5% 1/4W	
	R 921	QRD161J-433	C RESISTOR	43K 5% 1/4W	
	R 941	QRD161J-102	C RESISTOR	1.0K 5% 1/4W	J,C
	R 942	QRD161J-681	C RESISTOR	680 5% 1/4W	U
	R 987	QRD161J-101	C RESISTOR	100 5% 1/4W	
	TU 1	QAU0003-001	TUNER		
	X 701	VGX5026-001Z	CRYSTAL		

BLOCK NO. 02111111

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
Q 5	2SB1322(RS)	TRANSISTOR		
Q 6	DTC114ESTP	TRANSISTOR	REAR	
Q 161	2SC1740S(R,S)	TRANSISTOR	REAR	
Q 261	2SC1740S(R,S)	TRANSISTOR		
Q 351	DTC114ESTP	TRANSISTOR		
Q 771	2SC1740S(R,S)	TRANSISTOR		
Q 772	2SC1740S(R,S)	TRANSISTOR		
Q 781	DTC114ESTP	TRANSISTOR		
Q 782	2SB1322(RS)	TRANSISTOR		
Q 783	DTC114ESTP	TRANSISTOR		
Q 784	2SB1322(RS)	TRANSISTOR		
Q 785	DTA114ES	TRANSISTOR		
Q 786	DTA114ESTP	TRANSISTOR		
Q 789	DTA114ES	TRANSISTOR		
Q 941	DTA114ES	TRANSISTOR		
Q 942	DTA114ES	TRANSISTOR		
Q 943	DTA114ESTP	TRANSISTOR		
R 1	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 2	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R 3	QRD161J-220	CARBON RESISTOR	22 5% 1/6W	
R 4	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R 5	QRD161J-453	CARBON RESISTOR	43K 5% 1/6W	
R 6	QRD161J-333	CARBON RESISTOR	33K 5% 1/6W	
R 7	QRD161J-124	CARBON RESISTOR	120K 5% 1/6W	
R 8	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R 9	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R 10	QRD161J-100	CARBON RESISTOR	10 5% 1/6W	
R 11	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
R 12	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R 13	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 14	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R 15	QRD161J-155	CARBON RESISTOR	1.5M 5% 1/6W	
R 16	QRD161J-225	CARBON RESISTOR	2.2M 5% 1/6W	
R 51	QRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
R 52	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
R 53	QRD161J-203	CARBON RESISTOR	20K 5% 1/6W	
R 54	QRD161J-752	CARBON RESISTOR	7.5K 5% 1/6W	
R 61	QRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
R 62	QRD167J-332	CARBON RESISTOR	3.3K 5% 1/6W	
R 63	QRD161J-203	CARBON RESISTOR	20K 5% 1/6W	
R 64	QRD161J-752	CARBON RESISTOR	7.5K 5% 1/6W	
R 131	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R 132	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
R 150	QRD161J-103	CARBON RESISTOR	FRONT	
R 160	QRD161J-103	CARBON RESISTOR	REAR	
R 161	QRD161J-103	CARBON RESISTOR	REAR	
R 162	QRD161J-821	CARBON RESISTOR	REAR	
R 163	QRD161J-101	CARBON RESISTOR	REAR	
R 164	QRD161J-222	CARBON RESISTOR	REAR	
R 231	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R 232	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
R 250	QRD161J-103	CARBON RESISTOR	FRONT	
R 260	QRD161J-103	CARBON RESISTOR	REAR	
R 261	QRD161J-103	CARBON RESISTOR	REAR	
R 262	QRD161J-821	CARBON RESISTOR	REAR	

BLOCK NO. 02111111

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C 932	QR40JM-107	E. CAPACITOR	100MF 20% 6.3V	
C 933	QR41AM-107	E. CAPACITOR	100MF 20% 10V	
C 934	QR41CM-476M	E. CAPACITOR	47MF 20% 16V	
C 941	QR41CM-476M	E. CAPACITOR	47MF 20% 16V	
C 942	QR41CM-476M	E. CAPACITOR	47MF 20% 16V	
C 981	GEZ0357-228	E. CAPACITOR	2200MF	
C 985	QCVB1CM-103Y	C. CAPACITOR	.010MF 20% 16V	
C 986	QCVB1CM-103Y	C. CAPACITOR	.010MF 20% 16V	
C 987	QCVB1CM-103Y	C. CAPACITOR	.010MF 20% 16V	
CJ701	VMC0334-001	CONNECTOR	TO FRONT PANEL	
CJ751	VMJ4047-001	JACK		
CJ921	VMJ3022-001	PIN JACK		
CM 02	QCFB1HZ-104Y	C. CAPACITOR	.10MF +80% -20%	
CP702	VMC0314-S18	CONNECTOR	TO MECHA	
CP751	EMV5109-008B	CONNECTOR		
CP981	GNZ0002-001	16P CONNECTOR		
D 1	1SS119-041	SI DIODE		
D 2	1SS119-041	SI DIODE	REAR	
D 161	1SS119-041	SI DIODE	REAR	
D 261	1SS119-041	SI DIODE	REAR	
D 701	1SS119-041	SI DIODE	FM IFC	
D 702	1SS119-041	SI DIODE	BEEP	
D 703	1SS119-041	SI DIODE	MS	
D 704	MTZ6-2JC	ZENER DIODE		
D 705	MTZ6-2JC	ZENER DIODE		
D 706	MTZ6-2JC	ZENER DIODE		
D 707	MTZ6-2JC	ZENER DIODE		
D 708	MTZ6-2JC	ZENER DIODE		
D 709	MTZ6-2JC	ZENER DIODE		
D 710	MTZ6-2JC	ZENER DIODE		
D 711	MTZ6-2JC	ZENER DIODE		
D 716	1SS119-041	SI DIODE		
D 771	MTZ10JAT-77	ZENER DIODE		
D 781	RB721Q	DIODE		
D 782	1SS119-041	SI DIODE		
D 784	DSK10C-E	DIODE		
D 941	MTZ11JB	ZENER DIODE		
D 943	1SS119-041	SI DIODE		
D 944	1SS119-041	SI DIODE		
D 981	1N5401TM	SI DIODE		
EE	QWE351-064K4K	WIRE		
IC701	LC72362N-9543	IC	CD-CH	
IC751	HD74HC126P	IC	REGULATOR	
IC781	TDA3603P	IC		
IC931	TEA6320T	IC		
IC981	TDA8567Q	IC		
J 1	GNZ0009-001	CAR ANT JACK		
L 1	VQP0018-4R7	INDUCTOR		
L 781	VQP0018-470	INDUCTOR		
L 782	VQP0018-470	INDUCTOR		
L 981	QQR0328-002	CHUKE COIL		
Q 1	DTC114ESTP	TRANSISTOR		
Q 2	2SA933AS(RS)-T	TRANSISTOR		
Q 3	DTC114ESTP	TRANSISTOR		
Q 4	2SA933AS(RS)-T	TRANSISTOR		

BLOCK NO. 02

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R 787	QRD161J-470	CARBON RESISTOR	47 5% 1/6W	
R 788	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
R 789	QRD161J-474	CARBON RESISTOR	470K 5% 1/6W	
R 790	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W	
R 795	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R 796	QRD161J-333	CARBON RESISTOR	33K 5% 1/6W	
R 921	QRD161J-273	CARBON RESISTOR	27K 5% 1/6W	
R 941	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 942	QRD161J-681	CARBON RESISTOR	680 5% 1/6W	
R 987	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
TU 1	GAU0003-001	TUNER		
X 701	VCX5026-001Z	CRYSTAL		

BLOCK NO. 02

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R 263	QRD161J-101	CARBON RESISTOR	REAR	
R 264	QRD161J-222	CARBON RESISTOR	REAR	
R 351	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 352	QRD161J-221	CARBON RESISTOR	220 5% 1/6W	
R 701	QRD161J-473	CARBON RESISTOR	DOLBY	
R 702	QRD161J-473	CARBON RESISTOR	MSIN	
R 703	QRD161J-473	CARBON RESISTOR	F/R	
R 704	QRD161J-473	CARBON RESISTOR	MODE	
R 705	QRD161J-473	CARBON RESISTOR	TAPEAND	
R 706	QRD161J-473	CARBON RESISTOR	STANDBY	
R 707	QRD161J-473	CARBON RESISTOR	TAPEIN	
R 708	QRD161J-473	CARBON RESISTOR	ST/MONO	
R 709	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R 710	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R 711	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R 712	QRD161J-332	CARBON RESISTOR	KEY2	
R 713	QRD161J-332	CARBON RESISTOR	KEY1	
R 714	QRD161J-332	CARBON RESISTOR	KEY0	
R 715	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
R 716	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
R 717	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
R 718	QRD161J-332	CARBON RESISTOR	3.3K 5% 1/6W	
R 719	QRD161J-332	CARBON RESISTOR	3.3K 5% 1/6W	
R 720	QRD161J-332	CARBON RESISTOR	3.3K 5% 1/6W	
R 721	QRD161J-332	CARBON RESISTOR	3.3K 5% 1/6W	
R 722	QRD161J-332	CARBON RESISTOR	3.3K 5% 1/6W	
R 723	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R 724	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R 725	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R 731	QRD161J-100	CARBON RESISTOR	10 5% 1/6W	
R 751	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 752	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R 753	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R 754	QRD161J-334	CARBON RESISTOR	330K 5% 1/6W	
R 755	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
R 756	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
R 757	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R 758	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R 759	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
R 760	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R 761	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 762	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 763	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 764	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R 771	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
R 772	QRD161J-332	CARBON RESISTOR	3.3K 5% 1/6W	
R 773	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 774	QRD161J-331	CARBON RESISTOR	330 5% 1/6W	
R 775	QRD161J-152	CARBON RESISTOR	1.5K 5% 1/6W	
R 781	QRD161J-203	CARBON RESISTOR	20K 5% 1/6W	
R 782	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R 783	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R 784	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 785	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R 786	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	

**Operation Switch Board (KS-FX434)**

BLOCK NO. 03

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 651	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
	C 652	ECST0JY-475R	TS E CAPACITOR		
	C 653	NCB21HK-681AY	C CAPACITOR	680PF 10% 50V	
	C 654	ECST0JY-475R	TS E CAPACITOR		
		CP701	VMC0335-001	CONNECTOR	
	D 601	SML-020PDT-W	LED		
	D 602	SML-020PDT-W	LED		
	D 603	SML-020PDT-W	LED		
	D 604	SML-010PTT87	LED		
	D 605	SML-010PTT87	LED		
	D 608	SML-010PTT87	LED		
	D 609	SML-010PTT87	LED		
	D 610	SML-010PTT87	LED		
	D 611	SML-010PTT87	LED		
	D 612	SML-010PTT87	LED		
	D 613	SML-010PTT87	LED		
	D 614	SML-010PTT87	LED		
	D 615	SML-010PTT87	LED		
	D 616	SML-010PTT87	LED		
	D 617	SML-010PTT87	LED		
	D 618	SML-010PTT87	LED		
	D 619	SML-010PTT87	LED		
	D 620	SML-010PTT87	LED		
	D 621	SML-010PTT87	LED		
	D 622	SML-010PTT87	LED		
	D 623	SML-020PDT-W	LED		
	D 624	SML-010PTT87	LED		
	D 652	MA152WA-TX	DIODE		
	D 653	MA152WA-TX	DIODE		
	D 654	MA152WK-X	SI DIODE		
	D 655	MA152WK-X	SI DIODE		
	IC651	LC75823E	IC		
	IC652	RPM-638CBBR-L	IC		
	PL602	GLL0038-001	LAMP		
	PL604	GLL0038-001	LAMP		
	R 601	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 602	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 603	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 604	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 605	NRSA02J-561NY	MG RESISTOR	560 5% 1/10W	
	R 606	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 607	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 608	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 609	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 610	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 611	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 612	NRSA02J-561NY	MG RESISTOR	560 5% 1/10W	
	R 613	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 614	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 615	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 616	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 617	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 618	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 619	NRSA02J-561NY	MG RESISTOR	560 5% 1/10W	
	R 622	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	

BLOCK NO. 03

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 623	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 625	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 626	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 628	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 629	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 631	NRSA02J-181NY	MG RESISTOR	180 5% 1/10W	
	R 633	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 634	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 635	NRS181J-471NY	MG RESISTOR	470 5% 1/8W	
	R 636	NRS181J-471NY	MG RESISTOR	470 5% 1/8W	
	R 637	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 638	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 639	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 640	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 651	NRSA02J-152NY	MG RESISTOR	1.5K 5% 1/10W	
	R 652	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 654	NRSA02J-154NY	MG RESISTOR	150K 5% 1/10W	
	R 655	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 656	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	S 601	QSQ4H11-V09Y	TACT SWITCH		
	S 602	QSQ4H11-V09Y	TACT SWITCH		
	S 603	QSQ4H11-V09Y	TACT SWITCH		
	S 604	QSQ4H11-V09Y	TACT SWITCH		
	S 605	QSQ4H11-V09Y	TACT SWITCH		
	S 606	QSQ4H11-V09Y	TACT SWITCH		
	S 607	QSQ4H11-V09Y	TACT SWITCH		
	S 608	QSQ4H11-V09Y	TACT SWITCH		
	S 609	QSQ4H11-V09Y	TACT SWITCH		
	S 610	QSQ4H11-V09Y	TACT SWITCH		
	S 611	QSQ4H11-V09Y	TACT SWITCH		
	S 612	QSQ4H11-V09Y	TACT SWITCH		
	S 613	QSQ4H11-V09Y	TACT SWITCH		
	S 614	QSQ4H11-V09Y	TACT SWITCH		
	S 615	QSQ4H11-V09Y	TACT SWITCH		
	S 616	QSQ4H11-V09Y	TACT SWITCH		
	S 617	QSQ4H11-V09Y	TACT SWITCH		
	S 618	QSQ4H11-V09Y	TACT SWITCH		
	S 619	QSQ4H11-V09Y	TACT SWITCH		
	S 620	QSQ4H11-V09Y	TACT SWITCH		
	S 621	QSQ4H11-V09Y	TACT SWITCH		
	S 622	QSQ4H11-V09Y	TACT SWITCH		

Operation Switch Board (KS-FX430)

BLOCK NO. 04

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 651	NCB21HK-103AV	C CAPACITOR	.010MF 10% 50V	
	C 652	NEF20JM-475RY	TS.E.CAPACITOR	4.7MF 20% 6.3V	
	C 653	NCB21HK-681AV	C CAPACITOR	680PF 10% 50V	
	C 654	NEF20JM-475RY	TS.E.CAPACITOR	4.7MF 20% 6.3V	
	CP701	VMC0335-001	CONNECTOR		
	D 601	SML-020PDT-W	LED		
	D 602	SML-020PDT-W	LED		
	D 603	SML-020PDT-W	LED		
	D 604	SML-010PTT87	LED		
	D 605	SML-010PTT87	LED		
	D 608	SML-010PTT87	LED		
	D 609	SML-010PTT87	LED		
	D 610	SML-010PTT87	LED		
	D 611	SML-010PTT87	LED		
	D 612	SML-010PTT87	LED		
	D 613	SML-010PTT87	LED		
	D 614	SML-010PTT87	LED		
	D 615	SML-010PTT87	LED		
	D 616	SML-010PTT87	LED		
	D 617	SML-010PTT87	LED		
	D 618	SML-010PTT87	LED		
	D 619	SML-010PTT87	LED		
	D 620	SML-010PTT87	LED		
	D 621	SML-010PTT87	LED		
	D 622	SML-010PTT87	LED		
	D 623	SML-020PDT-W	LED		
	D 624	SML-010PTT87	LED		
	D 652	MA152WA-TX	DIODE		
	D 653	MA152WA-TX	DIODE		
	D 654	MA152WK-TX	SI DIODE		
	D 655	MA152WK-TX	SI DIODE		
	IC651	LC75823E	IC		
	IC652	RPM-638CBR-L	IC		
	PL602	QLL0002-001	LAMP		
	PL604	QLL0002-001	LAMP		
	R 601	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 602	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 603	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 604	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 605	NRSA02J-561NY	MG RESISTOR	560 5% 1/10W	
	R 606	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 607	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
	R 608	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 609	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 610	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 611	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 612	NRSA02J-561NY	MG RESISTOR	560 5% 1/10W	
	R 613	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 614	NRSA02J-821NY	MG RESISTOR	820 5% 1/10W	
	R 615	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
	R 616	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 617	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 618	NRSA02J-471NY	MG RESISTOR	470 5% 1/10W	
	R 619	NRSA02J-561NY	MG RESISTOR	560 5% 1/10W	
	R 622	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	

BLOCK NO. 04

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 623	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 625	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 626	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 628	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 629	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 631	NRSA02J-181NY	MG RESISTOR	180 5% 1/10W	
	R 633	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 634	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 635	NRS181J-471NY	MG RESISTOR	470 5% 1/8W	
	R 636	NRS181J-471NY	MG RESISTOR	470 5% 1/8W	
	R 637	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
	R 638	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 639	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 640	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W	
	R 651	NRSA02J-152NY	MG RESISTOR	1.5K 5% 1/10W	
	R 652	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
	R 653	NRSA02J-154NY	MG RESISTOR	150K 5% 1/10W	
	R 654	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 655	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	R 656	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
	S 601	QSQ4H11-V09Y	TACT SWITCH		
	S 602	QSQ4H11-V09Y	TACT SWITCH		
	S 603	QSQ4H11-V09Y	TACT SWITCH		
	S 604	QSQ4H11-V09Y	TACT SWITCH		
	S 605	QSQ4H11-V09Y	TACT SWITCH		
	S 606	QSQ4H11-V09Y	TACT SWITCH		
	S 607	QSQ4H11-V09Y	TACT SWITCH		
	S 608	QSQ4H11-V09Y	TACT SWITCH		
	S 609	QSQ4H11-V09Y	TACT SWITCH		
	S 610	QSQ4H11-V09Y	TACT SWITCH		
	S 611	QSQ4H11-V09Y	TACT SWITCH		
	S 612	QSQ4H11-V09Y	TACT SWITCH		
	S 613	QSQ4H11-V09Y	TACT SWITCH		
	S 614	QSQ4H11-V09Y	TACT SWITCH		
	S 615	QSQ4H11-V09Y	TACT SWITCH		
	S 616	QSQ4H11-V09Y	TACT SWITCH		
	S 617	QSQ4H11-V09Y	TACT SWITCH		
	S 618	QSQ4H11-V09Y	TACT SWITCH		
	S 619	QSQ4H11-V09Y	TACT SWITCH		
	S 620	QSQ4H11-V09Y	TACT SWITCH		
	S 621	QSQ4H11-V09Y	TACT SWITCH		
	S 622	QSQ4H11-V09Y	TACT SWITCH		

**Mechanism Control Board (KS-FX434)**

BLOCK NO. 05111111

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C 101	NCS21HJ-471AY	C CAPACITOR	470PF 5% 50V	
C 102	QFV71HJ-103	TF CAPACITOR	.010MF 5% 50V	
C 103	QEP1HM-105ZM	NP E CAPACITOR	1.0MF 20% 50V	
C 104	QFV41HJ-104ZM	TF CAPACITOR	.10MF 5% 50V	
C 105	NCS21HJ-470AY	C CAPACITOR	47PF 5% 50V	
C 201	NCS21HJ-471AY	C CAPACITOR	470PF 5% 50V	
C 202	QFV71HJ-103	TF CAPACITOR	.010MF 5% 50V	
C 203	QEP1HM-105ZM	NP E CAPACITOR	1.0MF 20% 50V	
C 204	QFV41HJ-104ZM	TF CAPACITOR	.10MF 5% 50V	
C 205	NCS21HJ-470AY	C CAPACITOR	47PF 5% 50V	
C 501	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 502	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
C 503	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
C 901	QER41CM-226	E CAPACITOR	22MF 20% 16V	
C 902	NCS21HJ-221AY	C CAPACITOR	220PF 5% 50V	
C 903	QEK41HM-474	E CAPACITOR	.47MF 20% 50V	
C 904	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 905	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
C 906	QEK41CM-226	E CAPACITOR	22MF 20% 16V	
CJ501	QGB1214K1-18S	CONNECTOR		
CJ503	QGB1214K1-10S	CONNECTOR		
CP502	QGA2001F1-07	7P PLUG ASSY		
D 501	DSK10C-E	DIODE		
D 502	MA3036(L)X	ZENER DIODE		
D 503	MA3075(W)X	ZENER DIODE		
IC501	LB1641	IC		
IC901	CXA2509AQ	IC		
Q 501	2SB1322(RS)	TRANSISTOR		
Q 502	DTC114EKA-X	TRANSISTOR		
Q 503	DTC114EKA-X	TRANSISTOR		
R 101	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
R 103	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
R 104	NRSA02J-304NY	CR RESISTOR	300K 5% 1/10W	
R 105	NRSA02J-181NY	MG RESISTOR	180 5% 1/10W	
R 108	NRS181J-512NY	MG RESISTOR	5.1K 5% 1/8W	
R 109	NRSA02J-152NY	MG RESISTOR	1.5K 5% 1/10W	
R 201	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
R 203	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
R 204	NRSA02J-304NY	CR RESISTOR	300K 5% 1/10W	
R 205	NRS181J-181NY	MG RESISTOR	180 5% 1/8W	
R 208	NRSA02J-512NY	MG RESISTOR	5.1K 5% 1/10W	
R 209	NRSA02J-152NY	MG RESISTOR	1.5K 5% 1/10W	
R 501	NRS181J-473NY	MG RESISTOR	47K 5% 1/8W	
R 502	NRS181J-332NY	MG RESISTOR	3.3K 5% 1/8W	
R 503	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
R 504	QRT036J-8R2	OMF RESISTOR	8.2 5% 1/3W	
R 505	NRS181J-330NY	MG RESISTOR	33 5% 1/8W	
R 506	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R 901	NRS181J-101NY	MG RESISTOR	100 5% 1/8W	
R 902	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
R 903	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
R 904	NRSA02J-125NY	MG RESISTOR	1.2M 5% 1/10W	
R 905	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
R 906	NRS181J-103NY	MG RESISTOR	10K 5% 1/8W	
R 907	NRSA02J-183NY	MG RESISTOR	18K 5% 1/10W	
VR 201	QVPA603-333A	SEMI V RESISTOR	1	
VR101	QVPA603-333A	SEMI V RESISTOR	1	

**Mechanism Control Board (KS-FX430)**

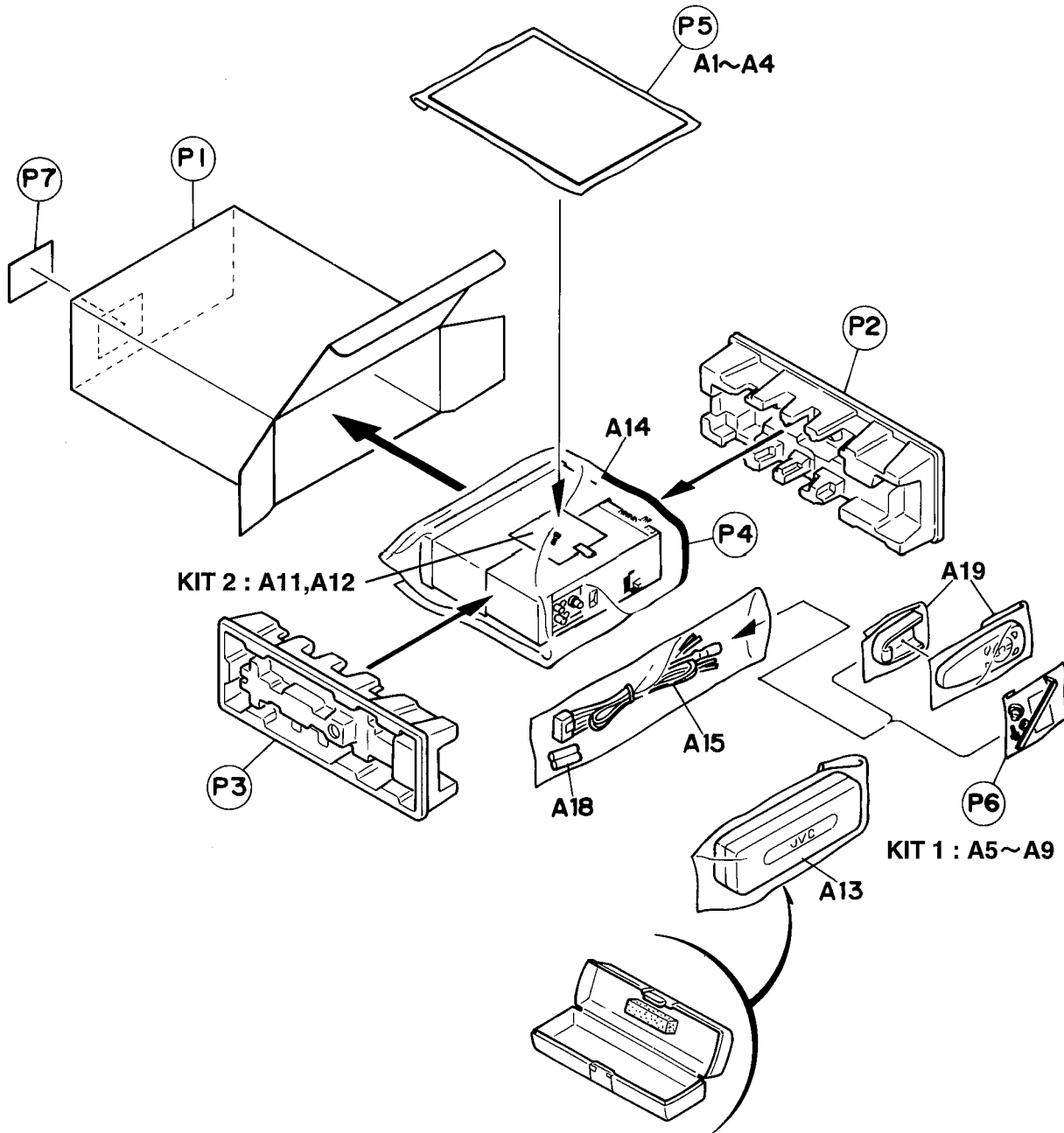
BLOCK NO. 06111111

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C 101	NCS21HJ-471AY	C CAPACITOR	470PF 5% 50V	
C 102	QFV71HJ-103	FILM CAPACITOR	.010MF 5% 50V	
C 103	QEP1HM-105ZM	NP.E.CAPACITOR	1.0MF 20% 50V	
C 104	QFV41HJ-104ZM	FILM CAPACITOR	.10MF 5% 50V	
C 105	NCS21HJ-470AY	C CAPACITOR	47PF 5% 50V	
C 201	NCS21HJ-471AY	C CAPACITOR	470PF 5% 50V	
C 202	QFV71HJ-103	FILM CAPACITOR	.010MF 5% 50V	
C 203	QEP1HM-105ZM	NP.E.CAPACITOR	1.0MF 20% 50V	
C 204	QFV41HJ-104ZM	FILM CAPACITOR	.10MF 5% 50V	
C 205	NCS21HJ-470AY	C CAPACITOR	47PF 5% 50V	
C 501	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 502	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
C 503	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
C 901	QER41CM-226	E.CAPACITOR	22MF 20% 16V	
C 902	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
C 903	QEK41HM-474	E.CAPACITOR	.47MF 20% 50V	
C 904	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 905	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
C 906	QEK41CM-226	E.CAPACITOR	22MF 20% 16V	
CJ501	QGB1214K1-18S	CONNECTOR		
CJ503	QGB1214K1-10S	CONNECTOR		
CP502	VMC0075-R07	CONNECTOR		
D 501	DSK10C-E	DIODE		
D 502	MA3036(L)X	ZENER DIODE		
D 503	MA3075(W)X	ZENER DIODE		
IC501	LB1641	IC		
IC901	CXA2509AQ	IC		
Q 501	2SB1322(RS)	TRANSISTOR		
Q 502	DTC114EKA-X	TRANSISTOR		
Q 503	DTC114EKA-X	TRANSISTOR		
R 101	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
R 103	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
R 104	NRSA02J-304NY	MG RESISTOR	300K 5% 1/10W	
R 105	NRSA02J-181NY	MG RESISTOR	180 5% 1/10W	
R 108	NRS181J-512NY	MG RESISTOR	5.1K 5% 1/8W	
R 109	NRSA02J-152NY	MG RESISTOR	1.5K 5% 1/10W	
R 201	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
R 203	NRSA02J-123NY	MG RESISTOR	12K 5% 1/10W	
R 204	NRSA02J-304NY	MG RESISTOR	300K 5% 1/10W	
R 205	NRS181J-181NY	MG RESISTOR	180 5% 1/8W	
R 208	NRSA02J-512NY	MG RESISTOR	5.1K 5% 1/10W	
R 209	NRSA02J-152NY	MG RESISTOR	1.5K 5% 1/10W	
R 501	NRS181J-473NY	MG RESISTOR	47K 5% 1/8W	
R 502	NRS181J-332NY	MG RESISTOR	3.3K 5% 1/8W	
R 503	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
R 504	QRT036J-8R2	OMF RESISTOR	8.2 5% 1/3W	
R 505	NRS181J-330NY	MG RESISTOR	33 5% 1/8W	
R 506	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R 901	NRS181J-101NY	MG RESISTOR	100 5% 1/8W	
R 902	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
R 903	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W	
R 904	NRSA02J-125NY	MG RESISTOR	1.2M 5% 1/10W	
R 905	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
R 906	NRS181J-103NY	MG RESISTOR	10K 5% 1/8W	
R 907	NRSA02J-183NY	MG RESISTOR	18K 5% 1/10W	
VR101	QVPA603-333A	SEMI.V.RESISTOR	1	
VR201	QVPA603-333A	SEMI.V.RESISTOR	1	

# Packing

Block No.  M  3  M  M

Block No.  M  4  M  M



## ■ Packing Parts List

BLOCK NO.  M  3  M  M

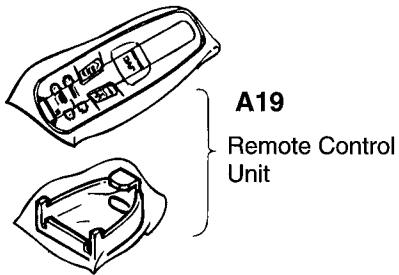
△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
P	1	FSPE3001-062	CARTON	KS-FX430 ONLY	1		
		FSPE3001-064	CARTON	KS-FX434 U ONLY	1		
		FSPE3001-061	CARTON	KS-FX434 J/C	1		
P	2	FSPH1009-201	PAPER CUSHION	LEFT SIDE	1		
P	3	FSPH1010-201	PAPER CUSHION	RIGHT SIDE	1		
P	4	VPE3005-066	POLY BAG	FOR SET	1		
P	5	QPA01702505P	POLY BAG	FOR INST.BOOK	1		
P	6	QPGA008-01205	POLY BAG	FOR SCREW KIT	1		
P	7	-----	CARTON LABEL	CARTON(CODE39)	1		



■ Accessories Parts List

BLOCK NO. M4MM

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
A 1	FSUN3040-631S	INSTRUCTIONS		1	J,C	
	FSUN3041-181S	INSTRUCTIONS		1	U	
A 2	FSUN3041-T181S	INST. MANUAL		1	U	
	FSUN3040-T631S	INST. MANUAL		1	J,C	
A 3	BT-51009-3	WARRANTY CARD		1	J	
	BT-52001-4	WARRANTY CARD		1	C	
A 4	BT-20071B	SVC CENTER LIST		1	C	
	BT-20137	SVC CENTER LIST		1	J	
A 5	VKZ4027-002	PLUG NUT		1		
A 6	VKH4871-001	MOUNT BOLT		1		
A 7	VKZ4328-001	LOCK NUT	FOR M5	1		
A 8	WNS5000Z	WASHER		1		
A 9	FSKL4010-002	HOOK		2		
A 11	SPSF1780M	MINI SCREW	THEFT PREVENTIO	1		
A 12	FSYA4001-001	SHEET		1		
A 13	FSJB3001-00A	HARD CASE		1		
A 14	FSKM2004-001	MOUNTING SLEEVE		1		
A 15	QAM0013-003	16P CORD ASS'Y		1		
A 16	FSJD2019-002	TRIM PLATE		1		
A 18	RO3UPTT-2STS	BATTERY	UM-4	1		
A 19	QAL0075-001	REMOCON	RM-RK17	1		
KIT 1	KDGS717K-SCREW1	SCREW PARTS KIT	A5-A9	1		
KIT 2	KSRT320K-SCREW2	SCREW PARTS KIT	A11,A12	1		



### SCREW KIT 1

**A9** Hook

**A6** Mount Bolt

**A7** Lock Nut

**A5** Plug Nut

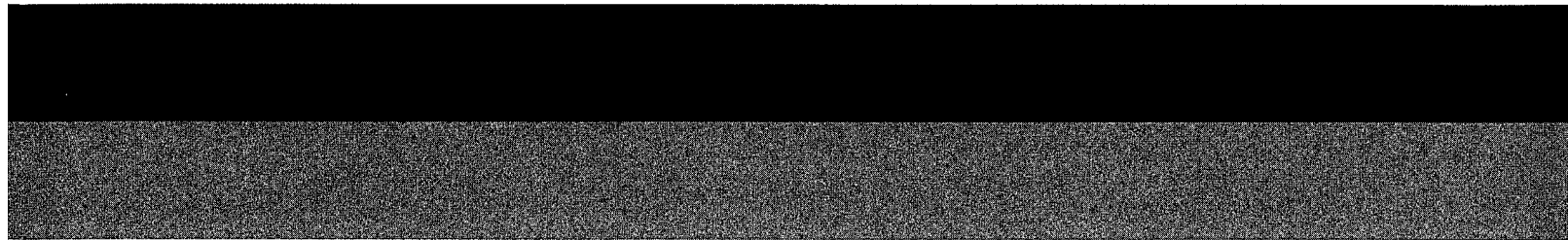
**A8** Washer

### SCREW KIT 2

**A11** Screw

**A12** Sheet

**A15** 18 pin Cord Assembly



**JVC**

VICTOR COMPANY OF JAPAN, LIMITED

MOBILE ELECTRONICS DIVISION, 10-1, 1Chome, Ohwatari-machi, maebashi-city 371-8543, Japan