

Clavinova

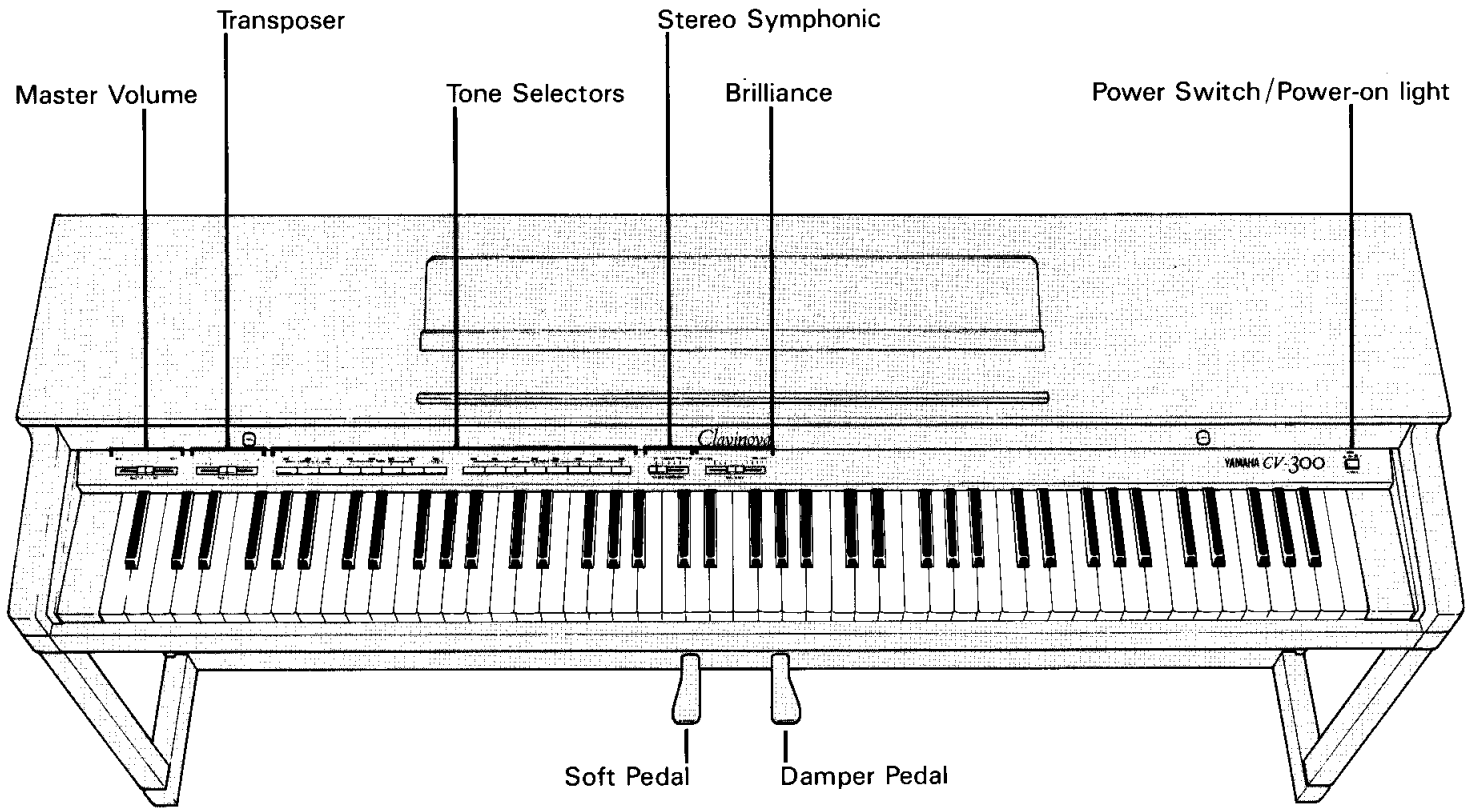
CV-300

CV-100

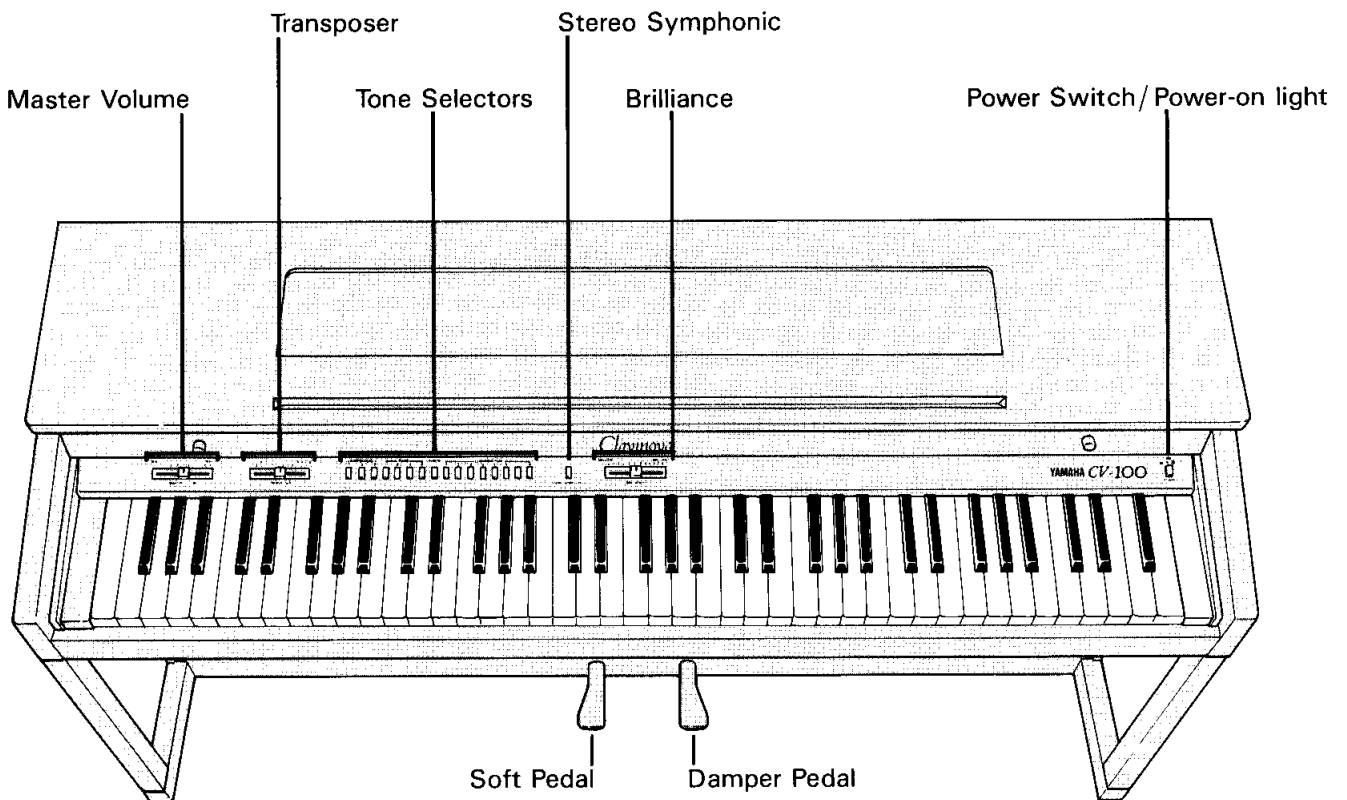
/ Owner's Manual / Bedienungsanleitung /
/ Manuel de l'utilisateur / Manual del Propietario / Instruktionsbok /

YAMAHA

CV-300



CV-100



Introduction

Clavinova CV-300 and CV-100 are both epoch-making keyboards created out of a superb command of innovative technology by YAMAHA, established maker of fine musical instruments.

The main features of these keyboards are:

- **High quality sound:** Made possible through the application of FM sound source on musical instruments, a concept pioneered by YAMAHA.
- **Touch Control Function:** Variation in both tone and volume, depending on the strength with which keys are hit.
- **Rich tone diversity:** 16 tones on Clavinova.

This manual explains the correct use of the Clavinova. Please read it thoroughly as you play on and experiment with the instrument.

Einführung

Clavinova CV-300 und CV-100 von YAMAHA, dem bekannten Hersteller hochentwickelter Musikinstrumente, stellen mit Ihrer überragenden innovativen Technologie einen Meilenstein in der Entwicklung der Tasteninstrumente dar.

Die Hauptmerkmale dieser Tasteninstrumente sind:

- **Qualitativ hochwertiger Klang:** Dieser wird durch die Verwendung von FM-Klangquellen für Musikinstrumente ermöglicht, bei deren Einführung YAMAHA Pionierarbeit geleistet hat.
- **Drucksteuerung:** Sowohl Klangfarbe als auch Lautstärke können in Abhängigkeit von der Stärke des Anschlags der Tasten variiert werden.
- **Reiche Klangvielfalt:** 16 Register auf Clavinova.

Diese Bedienungsanleitung erklärt Ihnen den richtigen Gebrauch der Clavinova. Bitte lesen Sie sie sorgfältig durch während Sie auf dem Instrument spielen oder mit ihm experimentieren.

Introduction

Les claviers Clavinova CV-300, et CV-100 sont des instruments haut-de-gamme héritiers de la grande tradition des claviers YAMAHA où les perfectionnements technologiques s'allient aux qualités musicales les plus incomparables.

Ces claviers se distinguent par les caractéristiques suivantes:

- **La mise en application des sources sonores en modulation de fréquence sur les instruments de musique a permis à YAMAHA de rendre des sons d'une qualité incomparable tout en ouvrant la voie d'une technologie nouvelle.**
- **Une fonction de commande tactile offre la possibilité de faire varier à la fois la tonalité et le volume en fonction de la force de frappe du musicien.**
- **Grande variété de tonalités disponibles: 24 sur le CV-300 et 16 sur le CV-100.**

Ce mode d'emploi est aussi un manuel d'initiation au Clavinova. Prière de le lire attentivement à mesure que l'on progresse dans la maîtrise de l'instrument.

Introducción

El Clavinova CV-300 y CV-100 son ambos, instrumentos de teclado totalmente nuevos creados bajo el estricto control de la tecnología innovada por YAMAHA, reconocido fabricante de excelentes instrumentos musicales.

Las principales características de estos instrumentos musicales son:

- **Alta calidad musical:** lograda mediante la aplicación de la fuente del sonido FM en los instrumentos musicales, nuevo concepto introducido por YAMAHA.
- **Control del sonido al tocar:** es la variación que aparece tanto en el tono como en el volumen, dependiendo de la presión que se ejerce en los teclados al tocar.
- **Extensa variedad de tonos:** 16 tonos en el Clavinova.

En este manual se explica el uso correcto de su Clavinova. Le sugerimos que lea cuidadosamente las siguientes instrucciones y compruebe las maravillosas características de su instrumento.

Introduktion

Såväl Clavinova CV-300 som CV-100 är epokgörande klaviaturinstrument som kunnat skapas tack vare YAMAHA:s ledande position som uppfinnare av unik teknologi och etablerad tillverkare av förnämliga musikinstrument.

De väsentliga fördelarna med dessa instrument är:

- **Hög ljudkvalitet:** Denna har blivit möjlig genom att använda FM-teknik som ljudkälla, en konstruktion där YAMAHA är pionjär.
- **Anslagskänslighet:** Innebär variation både i klangfärg och volym beroende på tangentanslagets styrka.
- **Mångfald av toner:** 16 toner på Clavinova.

Denna instruktionsbok beskriver det korrekta handhavandet av Clavinova. Läs den noggrant samtidigt som du spelar och experimenterar med instrumentet.

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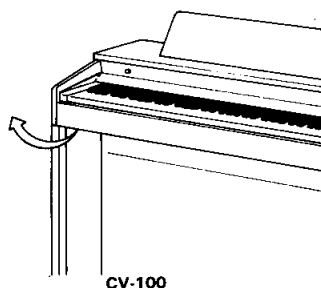
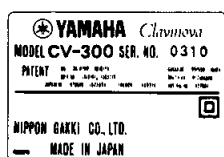
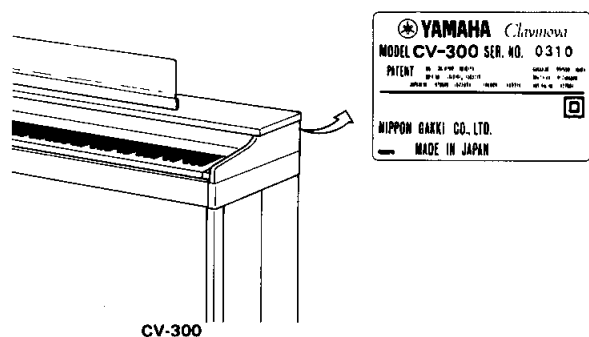
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BEFORE PLAYING

■ Check for correct power voltage.

Consult your YAMAHA serviceman regarding any changes. The Power Voltage is indicated on the bottom of the back side of CV-300. The Power Voltage for CV-100 is indicated on the name plate attached in the location shown in the figure below.



■ Attaching the music rest.

CV-300: Insert the music rest into the 2 holes at the upper side of the clavivova.

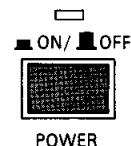
CV-100: Lift up the music rest that is installed on the top plate with hinges.

TO START PLAYING

First of all, make sure that the plug is firmly inserted in the wall power outlet, then:

1. Depress the Power Switch.

The Power-on light will illuminate.



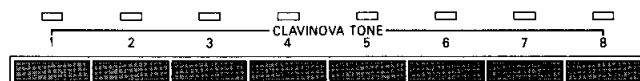
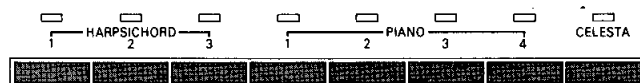
2. Choose the voice you want.

CV-300: Only one selector may be used at a time. The selected voice is indicated by a lamp.

Even if two or more voice selectors are pressed simultaneously, the lamp of only one selector will light up. When the power is turned on, the HARPSICHORD 1 may be selected automatically.

CV-100: Select the desired voice by depressing one of the Tone Selectors.

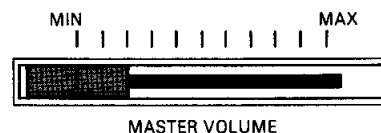
Only one selector may be used at a time, and the other selectors will be released automatically as each new selection is made.



- If no selector is depressed, the HARPSICHORD 1 voice will be automatically selected.

3. Adjust the volume.

Adjust the overall volume using the MASTER VOLUME Control.

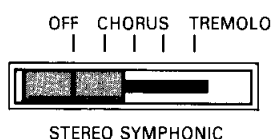


1) STEREO SYMPHONIC

STEREO SYMPHONIC influences the stereophonic separation of sound to the speakers, providing an orchestra-like effect.

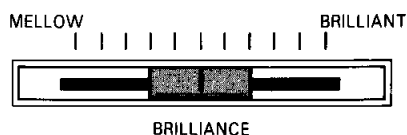
CV-300: When the STEREO SYMPHONIC CONTROL is in the OFF position, a stereo effect cannot be obtained. Instead, identical sound is delivered through each speaker. If you slide the control, the sound is separated into the left and right channels. At the CHORUS position, a more expansive and impressive sound is produced. At the TREMOLO position, a wavering effect is added just as if a rotary speaker was being used.

CV-100: When the STEREO SYMPHONIC button is ON, a chorus effect simulating a rotating speaker is obtained.



2) BRILLIANCE

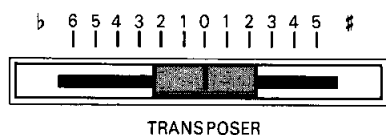
When the BRILLIANCE control lever is at the central position, it assumes a normal setting where no effect is obtained. By sliding the lever to MELLOW, a soft tone results, while at BRILLIANT, a bright, flashy sound results.



3) TRANSPOSER

The TRANSPOSER lets you adjust the Clavinova's pitch to suit either a singing voice — so anyone can sing along as you play — or an instrument such as a B^b trumpet, clarinet, or E^b saxophone.

CV-300: As the range of the tone generator employed in this instrument extends only to C7 (4.19 kHz), a pitch exceeding C7 is lowered by an octave.

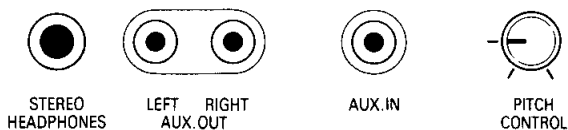


4) DAMPER PEDAL

By stepping on the DAMPER PEDAL, sound can be sustained as desired. The pedal on the right side is the DAMPER PEDAL.

5) SOFT PEDAL

By stepping on the SOFT PEDAL, a lowered sound and a soft tone results. The pedal on the left side is the SOFT PEDAL.



■ STEREO HEADPHONES jack

This jack is used for connecting a pair of stereo headphones. When the headphones are connected, no sound will be produced from the Clavinova's speakers. This allows you the freedom to enjoy playing your instrument at any time without disturbing others. You can also use this jack for connecting monaural headphones.

■ Headphones (Optional Item) (HP-50S)

Headphones especially developed for electronic musical instruments. Sound reproduction is clear and beautiful over the entire range from low to high tones.



■ AUX. OUT LEFT-RIGHT jacks

These jacks are used to connect an amplifier or tone cabinet when a more powerful volume is needed for a performance. Also, by connecting it with the line-in jacks of a tape deck, you can record music produced by the Clavinova. If you want to record in stereo, both the LEFT and RIGHT jacks should be connected.

■ AUX. IN jack

You can use this jack to play back the output from an external audio source through the Clavinova's speakers while you are performing. Simply plug a connector cord into this jack and the Line Out jack of your tape deck or stereo system. Never connect it to an AC power line or to a speaker output terminal.

■ PITCH CONTROL

This makes minute adjustments in the music interval when ensembling with other instruments.

Width of fluctuations:

Clockwise turn: Approximately 447 Hz with A₃

Counterclockwise turn: Approximately 436 Hz with A₃

* Central position: Approximately 440 Hz with A₃

Always treat your Clavinova with the same care you would give to any fine musical instrument. To ensure that your Clavinova always looks and sounds its best, we suggest the following procedures:

- 1) Never touch the internal parts.
- 2) Always turn the power switch OFF after playing. When the cover of CV-300 or CV-100 is closed, the power source automatically turns off. Close the cover when you are not using the instrument.
- 3) Clean the cabinet and keys of your Clavinova with a wet cloth using only a neutral cleanser. Do not use abrasives, cleaners, waxes, solvents, or chemical dust cloths which may dull the keys or chemically damage the finish.
- 4) Never put any vinyl products on your Clavinova since its external coating reacts chemically to vinyl.
- 5) To protect the cabinet finish and joints, install your Clavinova away from direct sunlight, excess humidity and heat.
- 6) Do not hit or scratch the cabinet with hard objects.
- 7) As the music rest of CV-300 is made of reinforced glass, be careful not to cause scratches on it.

Here's what to do if...

1) ... the unit does not operate when the power switch is turned on.

Check the following.

Is the AC plug properly inserted into the wall power outlet? Reinsert to make sure. Is the outlet functioning properly? If the outlet is functioning but the unit does not work, unplug the cord and contact qualified YAMAHA service personnel.

2) ... occasional unpleasant static occurs.

In most such cases, the cause can be traced to the switching on and off of refrigerators, washing machines, electric pumps, or other household appliances. Electrical malfunctioning of a nearby outdoor neon sign may also be the cause.

If the cause is a malfunctioning neon or fluorescent light, it should be repaired. When the cause cannot be determined, or in case of doubt, contact your YAMAHA dealer.

3) ... the Clavinova reproduces radio or TV signals.

This may occur if there is a powerful transmitter such as a radio station in the vicinity. Contact your YAMAHA dealer.

4) ... the music interferes with radio or TV reception.

A high-frequency pulse is used for the sound source of the Clavinova, and it may adversely affect radio or TV reception. You are therefore advised to play your Clavinova as far away as possible from radios and TV sets.

5) ... rattling (sympathetic vibration) occurs.

All materials have critical resonance frequencies at which they vibrate. The Clavinova's continuous tones will naturally cause other objects (windows, objects on shelves, etc.) to vibrate.

Whenever such difficulties occur, we suggest you move the Clavinova to a more suitable position.

6) ... the sound is distorted.

When connected to a stereo set, the sound may become distorted when the keys of the Clavinova are hit forcefully while the stereo volume is high. Also, due to excessive input into the stereo set, the speakers may become damaged. Please turn the volume down to an appropriate level so that no distortion will occur.

- *Depending on the type of tone you are using, there may be cases when the sound produced is distorted if the volume is used at the MAX. position. In this case, reduce the sound volume slightly.*

Specifications/Technische Daten/ Specifications/Especificaciones/Specifikationer

CV-300

KEYBOARD

88 Keys (A₋₁—C₇)

TONE SELECTORS

Harpsichord 1, 2, 3, Piano 1, 2, 3, 4
Celesta, Clavinova Tone 1, 2, 3, 4, 5, 6, 7, 8

EFFECTS

Stereo Symphonic (Chorus/Tremolo), Brilliance

PEDAL CONTROLS

Damper, Soft

MAIN CONTROLS

Master Volume, Transposer,
Power Switch, Power-on Light, Door Switch

OTHER FITTINGS

Stereo Headphones Jack, AUX. OUT L—R jacks,
AUX. IN jack, Pitch Control, Music Rest, Matching Bench

MAIN AMPLIFIER

30W × 2 (8Ω)

SPEAKERS

Right Channel: 20cm (8"), 12cm (4-3/4"), 5cm (2")
Left Channel: 20cm (8"), 12cm (4-3/4")

CIRCUITRY

Solid State (incl. LSIs & ICs)
Power Consumption: See Clavinova Nameplate
Power Source: 50/60 Hz AC

DIMENSIONS

Width: 143cm (56-1/4")
Depth: 49cm (19-1/4")
Height: 84cm (33")

WEIGHT

94 kg (207lbs.)

FINISH

Polished Walnut Grain

CV-100

KEYBOARD

76 Keys (E₀ — G₆)

TONE SELECTORS

Harpsichord 1, 2, 3, Piano 1, 2, 3, 4,
Celesta, Clavinova Tone 1, 2, 3, 4, 5, 6, 7, 8

EFFECTS

Stereo Symphonic, Brilliance

PEDAL CONTROLS

Damper, Soft

MAIN CONTROLS

Master Volume, Transposer,
Power Switch, Power-on Light, Door Switch

OTHER FITTINGS

Stereo Headphones jack, AUX. OUT L—R jacks,
AUX. IN jack, Pitch Control, Music Rest, Matching Bench

MAIN AMPLIFIER

30W × 2 (8Ω)

SPEAKERS

20cm (8") × 2

CIRCUITRY

Solid State (incl. LSIs & ICs)
Power Consumption: See Clavinova Nameplate
Power Source: 50/60 Hz AC

DIMENSIONS

Width: 120cm (47-1/4")
Depth: 47cm (18-1/2")
Height: 82 cm (32-1/4")

WEIGHT

66kg (145 lbs.)

FINISH

Mahogany or Walnut Grain

Specifications subject to change without notes.

FCC CERTIFICATION (USA)

While the following statements are provided to comply with FCC Regulations in the United States, the corrective measures listed are applicable worldwide.

The digital series of Yamaha Clavinova use frequencies that appear in the radio frequency range, and if installed in the immediate proximity of some types of audio or video devices within three meters (approximately ten feet), interference may occur.

This series of Yamaha Clavinova has been type-tested and found to comply with the specifications set for a class B computer in accordance with those specifications listed in sub-part J, part 15 of the FCC rules. These rules are designed to provide a reasonable measure of protection against such interference. However, this does not guarantee that interference will not occur.

If your Clavinova should be suspected of causing interference with other electronic devices, verification can be made by turning your Clavinova off and on. If the interference continues when your Clavinova is off, the Clavinova is not the source of the interference. If your Clavinova does appear to be the source of the interference, you should try to correct the situation by using one or more of the following measures:

- Relocate either the Clavinova or the electronic device that is being affected by the interference.
- Utilize power outlets for the Clavinova and the device being affected that are on different branch (circuit breaker or fuse) circuits, or install a/c line filters.
- In the case of radio-TV interference, relocate the antenna or if the antenna lead-in is 300 ohm ribbon lead, change the lead-in to coaxial type cable.

If these corrective measures do not produce satisfactory results, please contact an authorized Yamaha dealer for suggestions and/or corrective measures. If you can not locate an authorized Yamaha dealer in your general area, please contact the Electone™ Service Department, Yamaha International, 6600 Orangethorpe Ave., Buena Park, CA 90620, U.S.A.

If for any reason, you should need additional information relating to radio or TV interference, you may find a booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems." This booklet, Stock #004-000-00345-4, is available from the U.S. Government Printing Office, Washington D.C. 20402.

SINCE 1887



YAMAHA

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