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Maintenance

- General Maintenance Considerations
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- Mechanical Adjustments
- Coin Mechanism Cleaning
- Replacing Fluorescent Lamps

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Maintenance

This section contains information about maintaining your Rock-Ola SyberSonic Jukebox. It covers general maintenance, preventative maintenance, mechanical adjustments, lubrication and cleaning.

We strongly recommend that you contact your Dealer/Distributors Service Department for guidance before attempting any maintenance/repair task that you are not thoroughly familiar with.

General Maintenance Considerations

Tools and Equipment

In order to properly maintain and repair the SyberSonic Jukebox, it is necessary to possess the correct tools and equipment. Following is a list of the basic tools and equipment recommended by Rock-Ola. This list contains only the items necessary to perform basic maintenance, troubleshooting and repair tasks. Other, more specialized, tools and equipment are necessary to perform more complex tasks.

- Nut Driver Set (3/16" through 1/2")
- 1/4" Slotted Screwdriver
- # 2 Phillips Screwdriver
- Long Nose Pliers
- Small Diagonal Cutters
- 1/4" Open End Wrench
- 3/8" Open End Wrench
- 1/2" Open End Wrench
- 6" Adjustable Wrench
- Volt/Ohm Meter with at least 20,000 Ohms per Volt impedance

Cleaning Supplies and Lubricants

One of the most important factors in properly maintaining any equipment is keeping it clean and lubricated. The Rock-Ola SyberSonic Jukebox is no different. We recommend the following supplies be carried and used at any time the jukebox is serviced.

- Ammoniated Glass Cleaner
- Spray Furniture Wax
- Mild Detergent Solution
- Isopropanol Alcohol (25%)

- Lint Free Cotton Swabs
- Lint Free Wiping Cloth
- 1½" Paint Brush (For Dusting)
- Light Machine Oil
- White Grease

Spare Parts

Although the Rock-Ola SyberSonic Jukebox has proven to be one of the most reliable machines on the market, occasionally malfunctions do occur. Most of the time, the problem can be easily corrected with a simple adjustment or cleaning. However, the malfunction may be caused by a component which has failed. In order to prevent a loss of income due to a component failure, we recommend the following items be carried as spares. This list is recommended for 5 or more machines.

- 02451 Serviceman's Kit
Includes CPU, Amplifier Boards and Fuses
- 55941-A DC Gear Motor Assy.
- 58687-A Mech Opto Cable Assy.
- 59241-2A CD Player Assembly
- 57335 Coin Acceptor, U.S. Quarter (Other countries, your local coin acceptor)

Preventative Maintenance

In order to keep your Rock-Ola SyberSonic Jukebox running like new for many years, an occasional preventative maintenance routine is recommended.

The frequency at which the routine needs to be performed will vary based upon your local conditions, but we recommend an interval of approximately three months. A few minutes spent on preventative maintenance will not only save many hours of "down time", it will help increase customer confidence.

This routine is basically a simple "clean up" and checking the mechanism index adjustment.

The Preventative Maintenance Routine is as follows:

- Check for errors. If any exist, investigate and correct the cause. See "Viewing Error Codes" in Section H for detailed instructions.

- Clean all dust and dirt from inside of cabinet and from mechanism.
- Clean All CDs. Several influences from the outside can make a disc dirty.
 - Easy to remove are: smoke, dust & finger prints. These can be cleaned with a soft, lint free cloth soaked in a solution of water and detergent. **Wipe from the inside toward the outside and not in a circular motion !!** Rinse well and dry up with a dry soft, lint free cloth.
 - Minor scratches can be removed with a soft, lint free cloth and a soft polish.

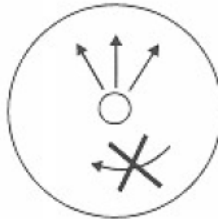


Figure 1G - Compact Disc

- Clean the laser eye.

WARNING


 Actuator is very fragile. Lens is made of special material with a coating, do not scratch or damage. Clean carefully.

ADVERTENCIA

El Actuator es muy frágil. Su lente está hecho de un material especial cubierto por un film, no rayar ni dañar. Limpiar cuidadosamente.

AVERTISSEMENT

L'actionneur est très fragile. La lentille est fabriquée avec une matière spéciale enduite d'un revêtement. Faites attention de ne pas le rayeur ou l'endommager. Nettoyez avec soin.

 The CD player is extremely sensitive to static discharges. Always ground yourself before touching the player and never touch the eye. The CD player itself has no adjustments. The only maintenance required is occasional lens cleaning.

Los Toca-discos CD son extremamente sensitivos a descargas de electricidad estatica. Siempre haga "tierra" antes de tocar el Toca-discos CD, y nunca toque el ojo (lente). El Toca-discos en sí,

no tiene ajustes. El único mantenimiento requerido es el limpiar el ojo ocasionalmente.

Le lecteur de disque compact est extrêmement sensible aux décharges statiques. Veuillez toujours vous mettre à la masse avant d'y toucher et ne touchez jamais à l'oeil. Le lecteur de disque compact ne présente aucun réglage. Le seul entretien nécessaire est un nettoyage régulier de la lentille.

- Moisten a clean Q-tip with a solution of 25% Isopropanol (IPA). Place the tip on the lens and press down carefully. Wipe carefully in the direction (perpendicular to the sledge direction) so that the actuator doesn't move. Dry up with a clean, dry Q-tip.

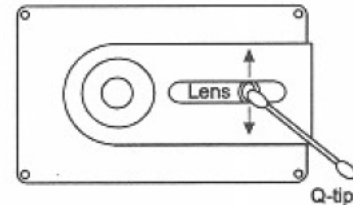



Figure 2G - CD Player

- Clean the Bill Validator (if installed) following the validator manufacturer's recommendations.
- Clean the coin acceptor using a mild detergent solution. Be sure to thoroughly dry before re-installing.
- Clean all glass inside and out. Clean and polish outside of cabinet.

Mechanical Adjustments

The mechanism adjustments are inter-related. If the magazine motor, opto sensor, or control board is replaced, the adjustments should be checked. Read the instructions carefully before attempting the adjustments.

 The CD player is extremely sensitive to static discharges. Always ground yourself before touching the player and never touch the eye.

El Toca-discos CD es extremamente sensitivo a descargas de electricidad estática. Siempre toque "tierra" antes de tocar el Toca-discos, y nunca toque el ojo (lente).

Le lecteur de disque compact est **extrêmement** sensible aux décharges statiques. Veuillez toujours vous mettre à la masse avant d'y toucher et ne touchez **jamais** à l'oeil.


The CD player is not user serviceable. The only maintenance required is occasional lens cleaning.

Cleaning instructions can be found in the "Preventative Maintenance" section.

Magazine Adjustments

Any adjustment made will change the settings of those following. Always check the indexing if any magazine adjustment is made.

Magazine Band Adjustment

	WARNING
	Adjust band with the magazine <u>empty</u> .
	ADVERTENCIA
	Ajustar banda con el <u>magazine vacío</u> .
	AVERTISSEMENT
	Ne réglez la bande que lorsque le magasin est <u>vide</u> .

Loosen adjustment screws to obtain approx. 1/32" gap between the magazine wire and the band. Re-tighten the screws. (Fig. 3G).

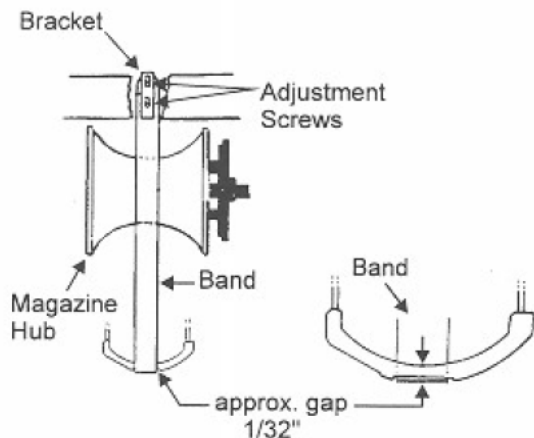


Figure 3G - Magazine Band Adjustment

Gripper Rest Adjustment

Rotate the magazine until the inner gripper "V" is centered between two magazine separator wires. Adjust the gripper rest bracket so the

gripper arm tip is centered between the wires and falls freely into the rest slot. (Fig. 4G).

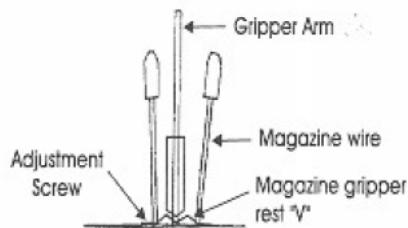


Figure 4G - Gripper Rest Adjustment

Magazine Motor Gear Mesh Adjustment

Magazine rotational play must be less than 1/16". If the play exceeds 1/16", loosen the magazine motor and slide it toward the magazine gear.

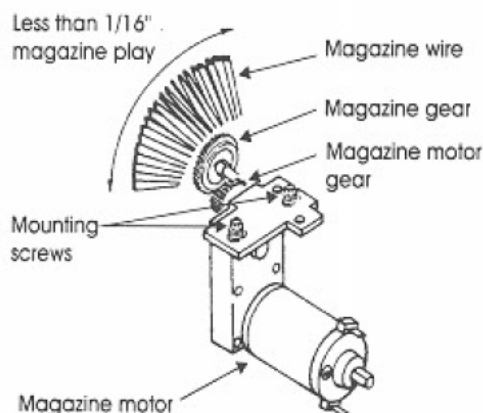


Figure 5G - Magazine Motor Gear

Magazine Indexing Adjustment

	WARNING
	Insert damaged discs in slots 00, 01, 49, 50, 98, 99 or leave empty.
	ADVERTENCIA
	Insertar discos dañados en compartimentos 00, 01, 49, 50, 98, 99 o dejar vacíos.
	AVERTISSEMENT
	Insérez les disques endommagés dans les fentes 00, 01, 49, 50, 98, 99 ou laissez vide.

Run Index Test (Quick Find #145): If the CD is not being gripped exactly between the magazine wires, the indexing needs to be adjusted. Loosen screw "A" and turn screw "B" clockwise

if the magazine stops too soon or counter-clockwise if it stops too late. Re-tighten screw "A" and test all 6 positions after adjusting.

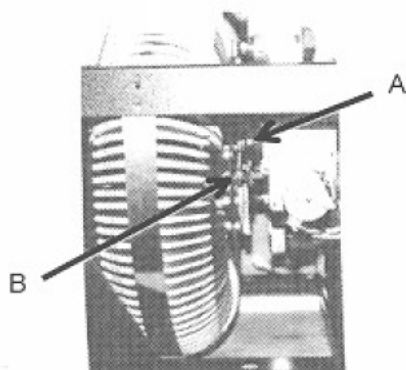


Figure 6G - Magazine Indexing Adjustment

Lubricating of Gripper Unit

1. Push on inner gripper #1 to expose pin #2.
2. Remove pin #2.
3. Remove inner gripper #1, spring #3, and reversing assembly #4.
4. Remove cam #5.
5. Scribe gear #6 and gear #7 so they can be replaced the same way.
6. Remove gear #6.
7. Wash all parts and the gripper housing in a solvent suitable for removing all old lubricant.
8. Re-lubricate all moving parts at their mating points with a light coat of white grease, Rock-Ola part number ST-09126 or equiv.
9. Re-install parts in reverse order.

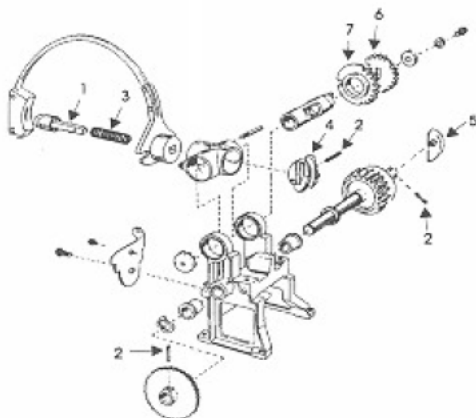


Figure 7G - Gripper Assembly

CD Player Adjustments



The CD player is extremely sensitive to static discharges. Always ground yourself before touching the player and never touch the eye. The CD player itself has no adjustments. The only maintenance required is occasional lens cleaning. There are no electronic adjustments on the CD player.

El Toca-discos CD es extremamente sensitivo a descargas de electricidad estática. Siempre toque "tierra" antes de tocar el Toca-discos y nunca toque el ojo (lente). El Toca-discos CD no tiene ajustes en sí. El único mantenimiento requerido es el limpiar el ojo ocasionalmente. El Toca-discos CD no tiene ajustes electrónicos.

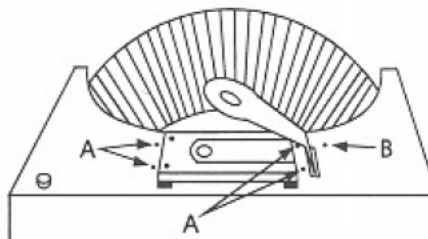
Le lecteur de disque compact est extrêmement sensible aux décharges statiques. Veuillez toujours vous mettre à la masse avant d'y toucher et ne touchez jamais à l'oeil. Le lecteur de disque compact ne présente aucun réglage. Le seul entretien nécessaire est un nettoyage régulier de la lentille. Le lecteur CD ne présente aucun réglage électronique.

CD Player Centering Adjustment

Select a disc. Turn the power switch off just before the CD is set on the turntable. If the hole in the disc is not centered over the turntable hub, loosen the 4 mounting screws (A) and reposition the player. Tighten the screws and test again.

Clamper Plate Height Adjustment

Select a disc. Turn the power switch off when the transfer cycle is finished. The magnet (shaded) should be centered within the clamper plate as shown in the diagram. Turn screw (B) as required to make the adjustment.



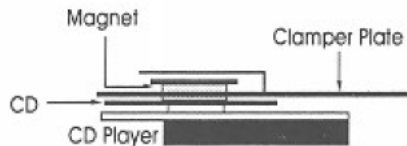


Figure 8G - CD Player and Clamper Plate

Title Display Adjustment

Rock-Ola's Legend and Rocket models utilize a title display assembly that has only one adjustment.

The opto assembly mounted at the top of the display assembly controls when the drive motor stops for each turn of the page.

Move the opto assembly (A) to the left or to the right until the pages seat against the previous one during a page turning cycle. Run the pages in both directions to ensure they seat properly.

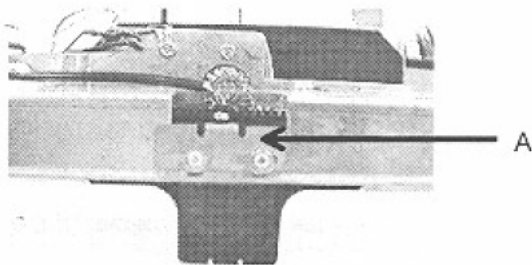


Figure 9G - Title Display

Coin Mechanism Cleaning

The coin mechanism cleaning procedure will depend on which type of coin mechanism is installed.

If an electric or electronic device is installed, follow the coin mechanism's manufacturers cleaning recommendations.

If a standard mechanical coin mechanism is installed, the following procedure can be followed.

- Remove coin acceptor from its mounting bracket.
- Using a soft brush, a mild detergent and water, thoroughly clean all surfaces of the

coin acceptor making sure to remove all dirt and deposits.

- Thoroughly rinse and dry coin acceptor.
- Install coin acceptor back into its mounting bracket and test.

Replacing Fluorescent Lamps

CAUTION



The jukebox utilizes an electronic ballast to power the lamps. Always disconnect the power to the lighting when replacing lamps. Failure to do so may result in a shock hazard and/or damage to the ballast.

PRECAUCIÓN:

La rocola utiliza un estabilizador electrónico para energizar las lámparas. Siempre desconecte la energía al sistema de iluminación cuando cambie las lámparas. Si no lo hace puede sufrir una descarga eléctrica y/o causar daños al estabilizador.

MISE EN GARDE :

Pour allumer les lumières, le juke-box fait appel à un ballast électronique. Veillez à toujours couper le courant électrique alimentant l'éclairage avant de remplacer une ampoule. Le non-respect de cette précaution pourrait présenter un risque d'électrocution ou de dommages au ballast.

- Turn the power to the jukebox off via the main switch on the power entry module (Corcom).
- Open the door and unplug the ballast from the power supply "Lighting" socket (J8).
- The lamps can be removed and replaced without tools. Squeeze the lamp in the center of the color cylinder tube and rotate 90°. Pull the lamp out of the socket ends. Slide the lamp out of the tube and replace. Insert the tube into the socket ends and rotate 90°. Be sure cylinder gears engage with the motor gear.
- Replace the ballast connector into J8 on the power supply.
- Turn the main switch back on.