GEMINI
XL-BD40
PROFESSIONAL BELT DRIVE TURNTABLE

gemini™

SOUND PRODUCTS WITH SOUND IDEAS

Multi Language Instructions
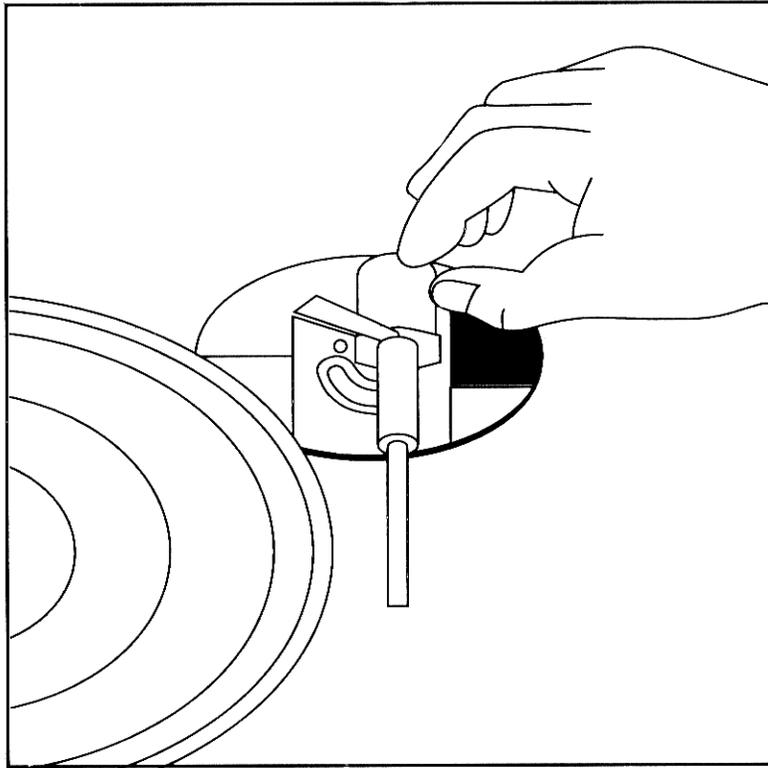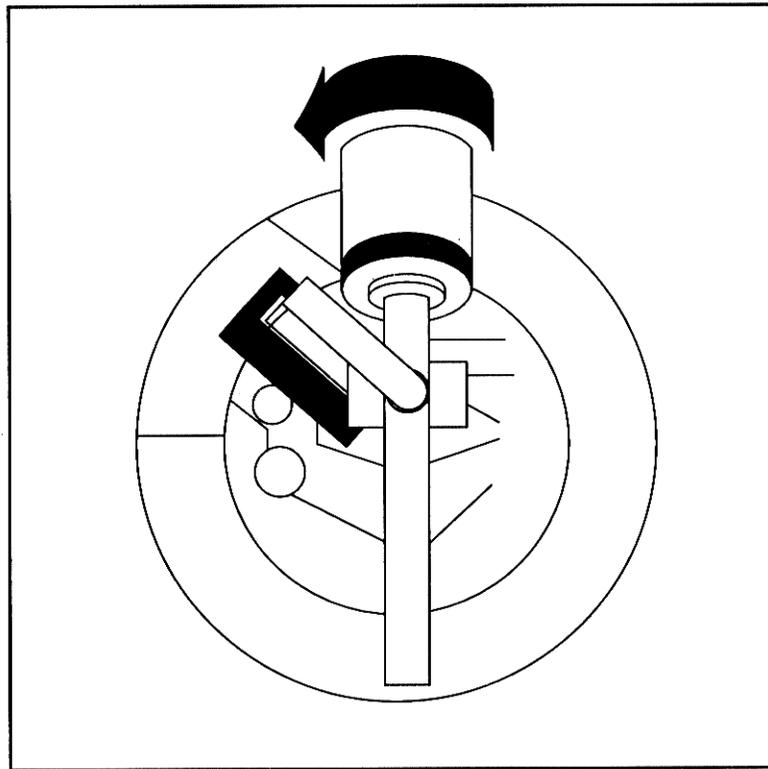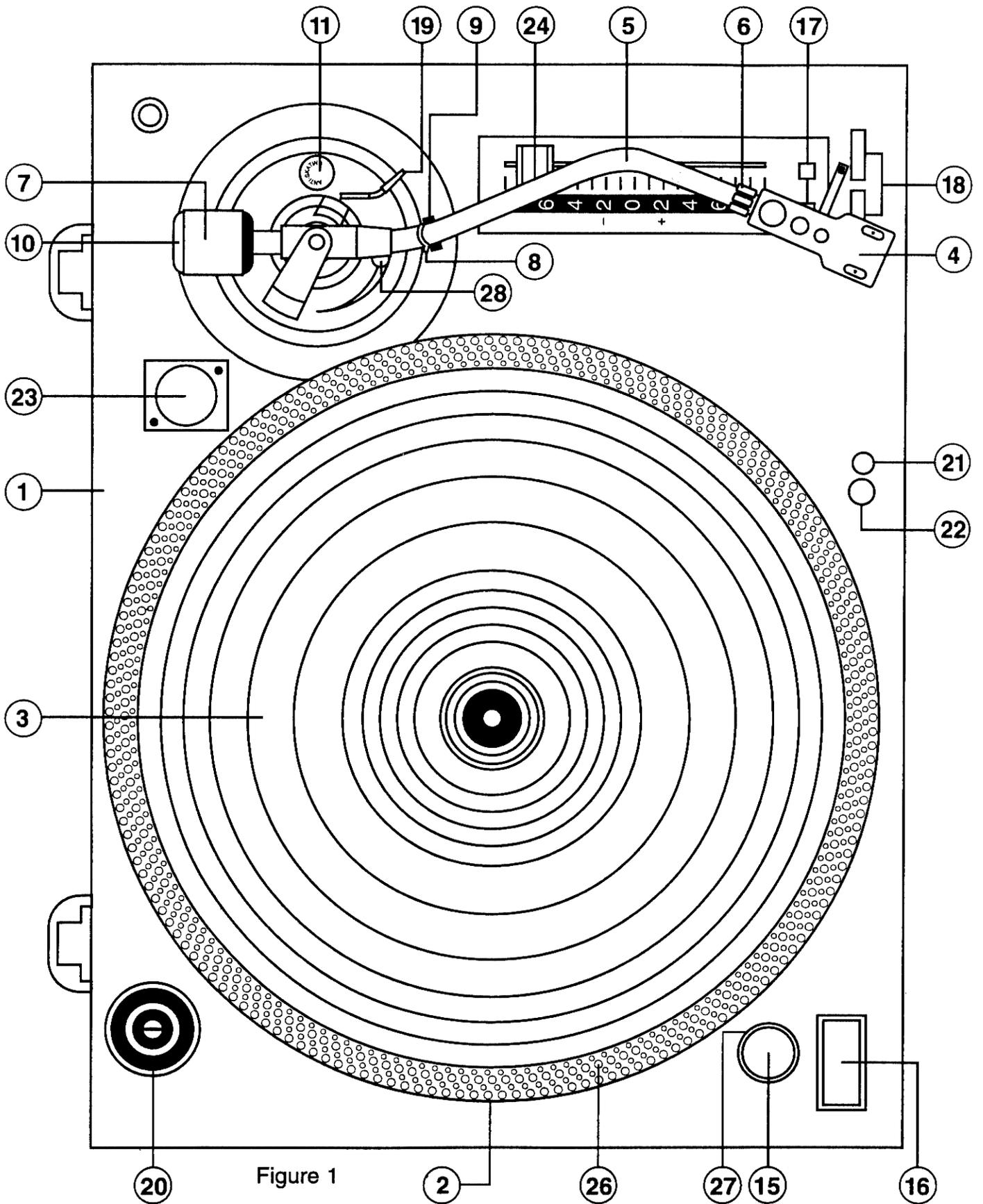
Figure 2

Figure 3

Figure 1

Page 1

Introduction

Congratulations on purchasing a Gemini XL-BD40 turntable. This state of the art turntable includes the latest features. Prior to use, we suggest that you carefully read all the instructions.

Features

- +/- 8% Pitch control

- Fully electronic braking for quick stops

- Strobe illuminator

- Soft-touch strart/stop switch

- Cartridge included

- Multi Language Manual

Precautions

1. All operating instructions should be read before using this equipment.

2. To reduce the risk of electrical shock, do not open the unit. There are NO USER REPLACEABLE PARTS INSIDE. Please refer servicing to a qualified service technician.

3. Tone Arm bearings are factory set and sealed. Any attempt at adjustment will void the warranty.

4. Be sure that all AC power is OFF while making connections.

5. Cables should be low capacitance, shielded and of proper length. Make sure that all plugs and jacks are tight and properly connected.

6. Always begin with the audio level faders / volume controls set at minimum and the speaker volume control(s) set to OFF Wait 8 to 10 seconds prior to turning up the speaker volume to prevent the transient "POP" that could result in speaker/crossover damage.

7. Do not expose this unit to rain or moisture.

8. Do not use any spray cleaner or lubricant on any controls or switches.

Parts Checklist

Turntable unit......................................1
Turntable platter..................................1
Rubber mat...1
Dust cover..1
Dust cover hinge.................................2
45 rpm adaptor....................................1
Counter balance..................................1
Headshell/Cartridge.............................1

Assembly and Set-Up

NOTE: SEE FIG. 1 (PG.1) FOR PART NUMBERS AND LOCATIONS.

A. TURNTABLE PLATTER INSTALLATION

Set the **TURNTABLE BASE (1)** on a flat, level surface. After checking to ensure that all packing materials have been removed, gently place the **PLATTER (2)** on the center spindle of the **TURNTABLE BASE (1)**. Put the **RUBBER MAT (3)** on the **PLATTER (2)**.

B. CARTRIDGE INSTALLATION

Because all cartridges have their own designs, please refer to your particular cartridge's instructions to insure proper installation.

1. Connect the lead wires to the cartridge terminals. For your convenience, the terminals of most cartridges are color coded. Connect each lead wire to the terminal of the same color.

> White (L+)...........Left Channel +
> Blue (L-) ....Left Channel -
> Red (R+)..........Right Channel +
> Green (R-).........Right Channel -

2. Mount the cartridge in the **HEADSHELL (4)** and tighten it with the screws included with the cartridge.

ATTENTION STANTON 680 CARTRIDGE USERS
When using a Stanton 680 or similar cartridge, where the body is grounded to a cartridge terminal, remove the grounding strap from the cartridge body to the cartridge ground terminal. Failure to do this may result in excessive hum.

C. HEADSHELL INSTALLATION

Insert the **HEADSHELL (4)** into the front of the tubular **TONE ARM (5)**. While holding the **HEADSHELL (4)**, firmly in a horizontal position, turn the **LOCKING NUT (6)** clockwise until the **HEADSHELL (4)** is locked in place.

D. COUNTERWEIGHT INSTALL (See Fig. 2, Pg. 2)

1. Slide the **COUNTERWEIGHT (7)** onto the rear of the **TONE ARM (5)**.

2. Twist the **COUNTERWEIGHT (7)** lightly clockwise, to screw it onto the rear of the **TONE ARM (5)**.

E. ADJUSTING HORIZONTAL ZERO (0) BALANCE AND STYLUS PRESSURE

1. Without touching the stylus tip, remove the stylus protector (if your cartridge has a detachable one).

2. Release the **ARM CLAMP (8)** and lift the **TONE ARM (5)** off the **ARM REST (9)**.

3. Clockwise advancement of the **COUNTERWEIGHT (7)** (See Fig. 3, Pg. 2) will cause the cartridge side of the **TONE ARM (5)** to be lowered. Counter clockwise will cause the opposite. Turn the **COUNTERWEIGHT (7)** clockwise or counter clockwise as needed until the **TONE ARM (5)** is balanced horizontally. You can easily tell this by watching for the point where the **TONE ARM (5)** "floats" freely.

4. Place **TONE ARM (5)** on **ARM REST (9)** and lock it in place with the **ARM CLAMP (8)**.

5. With the **TONE ARM (5)** locked on the **ARM REST (9)**, hold the **COUNTERWEIGHT (7)** steady with one hand while rotating the **STYLUS PRESSURE RING (10)** until the numeral "0" on the ring aligns with the center line on the **TONE ARM (5)** rear shaft. The horizontal zero (0) balance is now completed.

6. After adjusting the horizontal zero (0) balance, turn the balanced **COUNTERWEIGHT (7)** clockwise until the cartridge manufacturer's recommend stylus pressure appears on the **STYLUS PRESSURE RING (10)** where it meets the center line of the **TONE ARM (5)** rear shaft.

F. ADJUSTING THE ANTI-SKATING CONTROL

Set the **ANTI-SKATING CONTROL (11)** to the same value as the stylus pressure.

G. INSTALLING THE DUSTCOVER

1. Hold the dustcover in position, directly above the turntable, and slide the hinge bases into the holders mounted on the rear panel.

2. Always raise the dustcover before removal.

3. Avoid opening and closing the dustcover during play. Undesirable vibration and stylus skipping can result.

H. UNIT PLACEMENT

1. Place unit on a flat, vibration free surface. use the turntable feet to horizontally stabilize the unit.

2. Try to place the unit as far away from the speakers as possible.
3. Keep the unit away from direct exposure to the sun, heat, moisture or dirt.

4. Keep the unit well ventilated.

I. CONNECTIONS

1. Plug the AC power plug into an appropriate outlet.

2. Use Table B to connect the output RCA plugs and ground connector. Make sure that all the plugs are firmly plugged into the appropriate jacks. To reduce hum, make sure the ground lug is firmly connected to the ground screw.

TABLE B

OUTPUT CONNECTORS	MIXER OR RECEIVER
L (WHITE)	PHONO L CHANNEL
R (RED)	PHONO R CHANNEL
GND (Spade Lug)	GND Screw

Operating Instructions

A. BASIC OPERATION

1. Place a record on the **RUBBER MAT (3)** which sits on the **PLATTER (2)**.

2. Select the desired speed by depressing the 33 or 45 **SPEED SELECTOR BUTTON (18)**.

3. Turn the **POWER SWITCH (15)** to the "ON" position, at which point the **STROBE ILLUMINATOR (27)** (built into the **POWER SWITCH (15)**) and the **SPEED INDICATOR (17)** (for the selected speed) will illuminate.

4. Remove the stylus protector (if applicable to your cartridge).

5. Release the **ARM CLAMP (8)** found on the **ARM REST (9)**.

6. Push the **START STOP BUTTON (16)**. The turntable **PLATTER (2)** will start to spin.

7. Push the **CUE LEVER (19)** to the "UP" position.

8. Position the tone arm over the desired groove on the record and push the **CUE LEVER (19)** to the "DOWN" position. The **TONE ARM (5)** will slowly lower onto the record at which time play will begin.

9. When play is over, raise the **TONE ARM (5)**, move it to the **ARM REST (9)**, and secure it with the **ARM CLAMP (8)**.

10. You now have the option of turning off the power by turning the **POWER SWITCH (15)** to the "OFF" position, or stopping the **PLATTER (2)** by pushing the **START STOP BUTTON (16)** and engaging the electronic brake.

B. INTERRUPTING PLAY

1. Pushing the **CUE LEVER (19)** to the "UP" position will cause the **TONE ARM (5)** to lift stopping play.

2. Pushing the **CUE LEVER (19)** to the "DOWN" position will cause the **TONE ARM (5)** to slowly lower onto the record at the point where play was interrupted.

C. PLAYING 45 RPM RECORDS

1. When playing a 45 rpm record with a large center hole, first place the **45 ADAPTOR (20)** on the center spindle.

2. Be sure that the 45 **SPEED SELECTOR BUTTON (18)** is pushed and the 45 **SPEED INDICATOR (17)** is illuminated.

D. TARGET LIGHT

1. Firmly pushing the **TARGET LIGHT SWITCH (21)** will cause the **TARGET LIGHT (22)** to raise into position and illuminate the stylus tip. If you don't push the **TARGET LIGHT SWITCH (21)** firm enough, the **TARGET LIGHT (22)** will turn on but will not raise high enough to illuminate the stylus tip.

2. To lower the **TARGET LIGHT (22)** push down on it until it locks in the casing.

3. When not being used, the **TARGET LIGHT (22)** should be kept in the lowered position.

E. XLR LAMP ADAPTOR

1. Plug a gooseneck light with an XLR base, like the GEMINI GNL-500, into the **XLR LAMP ADAPTOR (23)**.

2. When the power is turned on, the light will illuminate.

F. ADJUSTING THE PITCH CONTROL

1. The XL-BD40 is equipped with a **PITCH CONTROL (24)**. When the **PITCH CONTROL (24)** is in the center position the speed will be close to 33 or 45 depending on which **SPEED SELECTOR BUTTON (18)** is pushed.

2. When the **PITCH CONTROL (24)** is positioned off center, the pitch can vary +/- 8% depending on the position of the **PITCH CONTROL (24)**.

3. The **PLATTER (2)** is equipped with a **STROBE RPM INDICATOR STRIP (26)** and the **POWER SWITCH (15)** contains built in **STROBE LIGHTS (27)**. When the **PLATTER (2)** is spinning, the **STROBE LIGHTS (27)** illuminate the **STROBE RPM INDICATOR STRIP (26)**. At 60 Hz the bottom row of dots will appear to be stationary

when the speed of the platter is exactly 45 rpm and the second row from the bottom will appear to be stationary at 33 rpm. At 50 Hz, the second row from the top represents 45 rpm and the top row represents 33 rpm.

G. 6.35 mm (1/4") REAR PANEL JACKS

On the rear panel of model XL-BD40 are two remote control jacks.

1. The jack marked Remote Start/Stop makes it possible to start the platter spinning via an external switch. When the switch is off, the platter spins. When the switch is on, the platter stops. An audio mixer's Fader Start can be used as an external switch.

2. The jack marked Remote Forw/Backw makes it possible to remotely switch from forward to reverse and back. When the switch is off, the direction is forward. When the switch is on, the direction is backwards.

Specifications

Turntable Section:

Type...Belt Drive Manual Turntable
Drive Method..Belt Drive
Motor... DC EG Motor
Platter......................Aluminum Diecast 12.17"/309mm Dia.
Speed...33 1/3 or 45 RPM
Braking System...........................Electronic Brake (Solenoid)
Wow and Flutter..0.15% WRMS*
* This rating refers to the turntable assembly and platter only and excludes effects of records, cartridges or tonearms.

Tonearm Section:

Type........................Statically Balanced S-Shaped Tonearm
Overhang..19/32" (15.2 mm)
Stylus Pressure Adjust Range...................................0 - 2.5 g
Applicable Cartridge Weight Range..........................6 - 10 g
Headshell Weight..5.6 g

GENERAL:

Power Supply...115V 60Hz
                                         or
Power Supply...230V 50Hz
Power Consumption..15 Watts
Dimensions..17 3/4" x 6" x 14"
                                        450mm x 152mm x 352mm
Weight...16.5 lbs. (7.5 Kg)

Specifications are subject to change without notice.
The weight and dimensions shown are approximate.

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In the USA: If you experience problems with this unit, call 1-732-738-9003 for Gemini Customer Service.

Do not attempt to return this equipment to your dealer.