



FISHER

*The first name
in high fidelity*

Operating Instructions

**Stereo Turntable
MT-275**

Studio-Standard



**DC-Servo Direct Drive
Electronic Control
Full-Automatic Turntable**

MT-275

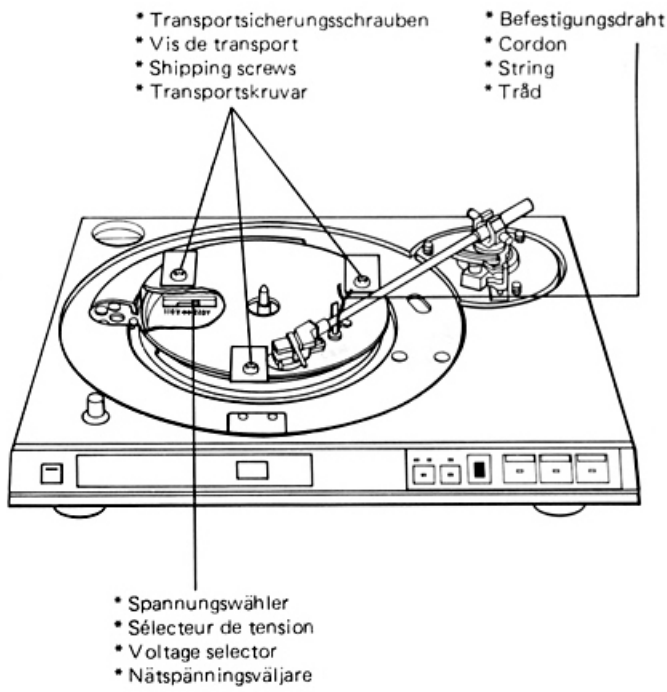


Abb. 1 / Fig

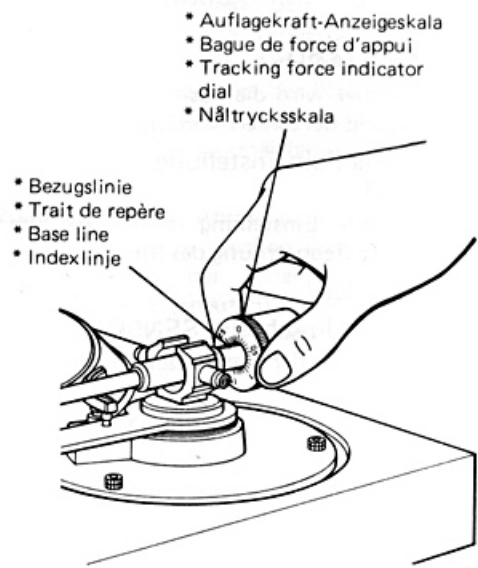


Abb. 4 / Fig. 4

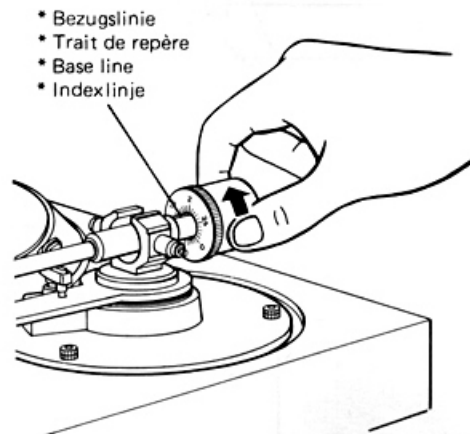
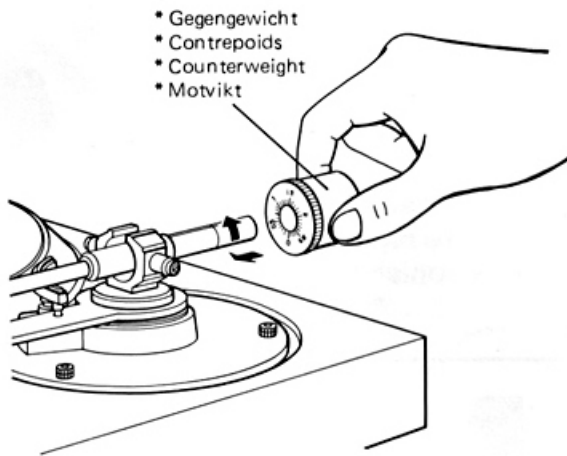


Abb. 5 / Fig. 5

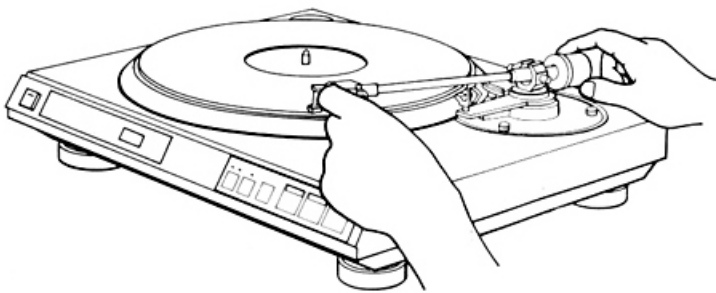


Abb. 3 / Fig. 3

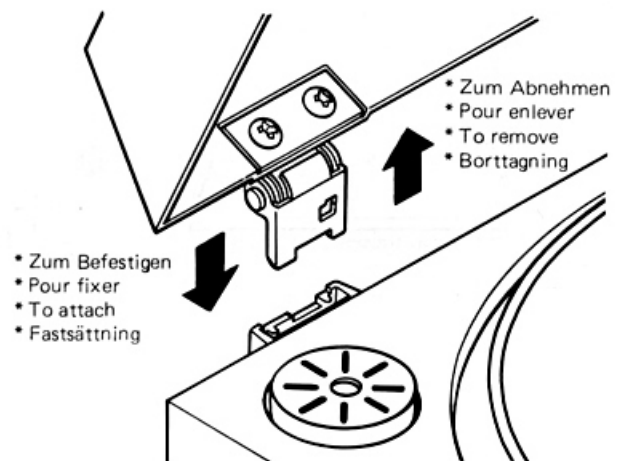


Abb. 6 / Fig. 6

IMPORTANT . . . This highly sophisticated turntable was developed by FISHER to give you many years of listening enjoyment.

Please read the following instructions carefully. They were prepared to assist you during the initial set-up procedure and to ensure you of optimum performance at all times.

THE WARRANTY ON THIS UNIT DOES NOT COVER DAMAGE CAUSED BY MISHANDLING OR MISUSE.

WARNING: TO AVOID THE HAZARDS OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR OTHER MOISTURE.

UNPACKING THE UNIT

1. Remove the unit from the packaging and take out the pads. The dust cover is packed above the turntable, and the turntable platter and rubber mat are packed below.
The right pad houses the counterweight. The 45 rpm adaptor is contained in the plastic bag, so take care not to lose it.
2. The tonearm is anchored to a provisional arm rest, so first undo the string or "twist tab" wire that secured the tonearm and then secure the tonearm to the proper arm rest.
3. Remove the three shipping screws and the tonearm securing pad. (Fig. 1) Do not throw away the packaging, pads, shipping screws, string and tonearm securing pad since you will need them to package the turntable in the event that you move house.

CAUTION:

This unit has been preset to operate on 220V. However, it can also be made to operate on 110V by resetting the voltage selector (located under tonearm securing pad).

ASSEMBLING THE UNIT

1. Carefully slide turntable platter onto the turntable shaft.
2. Place the rubber mat onto the turntable platter and place the 45 rpm adapter in the storage recess on the base.
3. Screw the counterweight onto the end of the tonearm. (Fig. 2)
4. After you have attached the counterweight, unfasten the string or "twist tab" wire that secured the tonearm.
5. Keep the stylus cover in the down position in order to protect the stylus. Always raise this cover just before playing a record.

NOTE:

Always use the platter, rubber mat, counterweight and dust cover that come with the unit.

TO NEARM BALANCING and TRACKING FORCE ADJUSTMENT

The tonearm should be rebalanced every time you change the cartridge assembly.

1. Release the tonearm from its rest position. Hold the tonearm loosely by the tonearm lift (Fig. 3). Rotate counterweight in either direction until the tonearm starts to rise. Continue adjusting the counterweight until the tonearm floats (balanced) and is parallel to the surface of the platter.
2. Grasp the counterweight and set the tracking force indicator dial to the zero position relative to the base line (Fig. 4). The tonearm and cartridge assembly are now correctly balanced.
3. The MT-275 has a high-quality stereo magnetic cartridge MG-100S installed at the factory. The correct tracking force for this cartridge is 2 grams.
To adjust the tracking force, simply rotate the counterweight clockwise until the indicator dial shows 2 (Fig. 5).

CONNECTING THE TURNTABLE

1. Connect the two shielded cables, coming from the turntable, to the PHONO input jacks of your amplifier. The white plug should be connected to the LEFT PHONO input jack and the red plug to the RIGHT PHONO input jack on the amplifier.
When the unit is used in combination with the AUTO FUNCTION INPUT jack on the amplifier CA-275, the supplied mini-plug cable is connected to the AUTO FUNCTION jack. When the unit is used in combination with any other amplifier, there is no need to connect the mini-plug cable.
2. Connect the ground wire to the ground terminal of your amplifier.
3. Connect the turntable line cord to an AC outlet. (Most amplifiers have AC outlets controlled by the amplifier power switch.)

MOUNTING THE DUST COVER

Insert the dust cover hinges into the hinge receptacles on the back of the base. (Fig. 6)

IDENTIFICATION OF PARTS AND THEIR FUNCTIONS (Fig. 7)

How to press the buttons:

When operating any of the buttons, press gently on the "□" mark in the center.

1. 45 rpm record adapter
Place this over the turntable spindle to play 45 rpm records.
2. Turntable spindle
3. Turntable platter
4. Rubber mat
5. POWER switch
When depressed, the "33" indicator of the SPEED selector button and stroboscope lamp light up and power is supplied to the unit. To switch the power off, release the switch by depressing it again.
6. APPROACH control
Use to adjust the descent position of the stylus.
7. SPEED ADJUST control knob
Use together with the stroboscope display window to fine adjust the platter speed.
8. Stroboscope display window
9. SENSOR sensitivity selector switch
Use to select the sensor's sensitivity.
10. SPEED selector button and indicators
Use to select the platter speed. When the power is switched on, the "33" indicator lights up and the speed is automatically set to 33-1/3 rpm. To set the speed to 45 rpm, press the SPEED selector button once and the "45" indicator will light. When pressed again, the "33" indicator lights up and the speed returns to 33-1/3 rpm.
11. REPEAT button and indicator
Press for repeat play the same record. When pressed once, the indicator lights up. When pressed again, the indicator goes off and the repeat mode is released.
12. Operation display window (TRACK NO.)
When the CUEING, REJECT or START button is pressed or when the tonearm is operating, a display appears in this window.
13. CUEING button
Press to interrupt play at any time. It is also used with manual play.
14. REJECT button
Press to stop play at any time. The tonearm will return to the arm rest automatically.
15. START (MUSIC SELECT) button
Press this when starting play or when selecting a track.

NOTE:

- When this button has been pressed, tracks 1 through 9 are indicated in numbers, tracks 10 through 15 in alphabet letters and track 16 with "Q".
- Even when this button is pressed more than 16 times, the display remains at "Q" and play starts from the 16th track.
- To start play from the second track, keep this button depressed. The tonearm starts to move when left like this for one or more seconds.

16. Cartridge
17. Tonearm
18. Lock lever
19. Arm rest
20. Tracking force indicator dial
21. Counterweight

TURNTABLE OPERATION

Familiarize yourself with the location of all the controls before operating the turntable.

1. Switch on the power. The unit is automatically set to 33-1/3 rpm.
2. Place a record on the platter. (If needed, use the 45 rpm adapter.)
If a 45 rpm record is to be played, press the SPEED selector button. The "45" indicator then lights up.
3. Raise the stylus cover.
4. Release the lock lever of arm rest.
5. Press the CUEING button. The tonearm will rise from the arm rest and "ζ" will appear in operation display window.
6. Move the tonearm toward the platter, and the platter will begin to rotate.
7. Adjust the platter speed with the SPEED ADJUST control knob so that the stroboscope pattern appears to stand still. If the pattern moves in the direction of rotation, the speed is too fast and musical notes will sound sharp. If the pattern moves in the opposite direction, the speed is too slow and musical notes will sound flat.
8. Press the REJECT button. "f" will appear in the operation display window, the tonearm will return to the arm rest and the platter will stop rotating.
9. Press the START button to begin record play. Your turntable can be programmed to begin play at any of the tracks on the record. If the START button is pressed 1 time, "1" will appear in the operation display window and play will begin with track 1. If the START button is pressed 3 times, "3" will appear in the operation display window and play will begin with the third track on the record. Play can be started with any track up to number 16 by pressing the START button the corresponding number of times.
10. When the end of the record is reached, "ξ" will appear in the operation display window and the tonearm will automatically rise and return to the arm rest.
11. To stop play at any time, press the REJECT button. "f" will appear in the operation display window, the tonearm will automatically rise and return to the arm rest.
12. To interrupt play at any time, press the CUEING button. The tonearm will rise and "ζ" will appear in the operation display window. Press the CUEING button again and the tonearm will descend.
13. To repeat the play of a record, press the REPEAT button. The REPEAT indicator lights up. When the end of the record is reached, "f" will appear in the operation display window, the tonearm will rise and go back to the first track of the record and begin play. In the REPEAT mode play will always begin with the first track.

14. The stylus sometimes may not descend at the start of desired track, depending on pitch of the grooves. If the stylus is to descend on the inside of its actual position, rotate the APPROACH control toward "IN". If the stylus is to descend on the outside of its actual position, rotate the APPROACH control toward "OUT". The normal position has a detent in the middle.
15. Because the variable surface characteristics of records affect the performance of the sensor in the cartridge shell, the tonearm may sometimes descend on the wrong track when selected play is attempted. If the tonearm descends on a track outside of the one selected, set the SENSOR sensitivity selector switch on the bottom of the base to the L (LOW) position. If the tonearm passes the selected track, set the SENSOR sensitivity selector switch to the H (HIGH) position. If no difficulties with selected track selection are experienced, leave the SENSOR sensitivity selector switch in the normal M (MIDDLE) position.
16. When playing any record which is not black, automatic operation is not possible. To play colored vinyl records or records manufactured with nonstandard dimensions, the AUTO/MANUAL switch located under the platter must be set to the MANUAL position. To do this, lift the platter straight up off the turntable shaft, set the AUTO/MANUAL switch to the M position, and carefully replace the platter. For normal operation keep the AUTO/MANUAL switch set to the A position.
17. To operate the turntable in the MANUAL mode, press the PHONO button on the amplifier, and press the CUEING button and the tonearm will rise. Grasp the finger lift and carefully position the tonearm over the lead-in groove of the record or to the desired place on the record. Press the CUEING button and the tonearm will descend and play will begin. At the end of the record, press the REJECT button and the tonearm will rise and return to the arm rest.

NOTE:

- When there is no record on the platter, "P" will appear in the operation display window.
- When the START button is pressed for a number of times exceeding the number of tracks on the record, "P" will appear in the operation display window.

AUTO FUNCTION

When using the turntable MT-275 in combination with the other System 275 stereo components the operations listed below are simplified as follows:

- Pressing the turntable's START button sets the function of the amplifier CA-275 automatically to PHONO and any other program sources are turned off simultaneously.
- If, during record play, another program source (tuner, cassette deck) is turned on, record play is automatically interrupted and the platter stops rotating.

SYNCHRO RECORDING

When music from a record is to be recorded onto tape this function provides automatic control of the PAUSE button of the cassette deck CR-275 according to the position of the tonearm of the turntable MT-275.

- When the turntable's START button is pressed and when the tonearm is lowered onto the record, the cassette deck's PAUSE button is simultaneously released and the recording starts.

- When the CUEING button is pressed and the tonearm rises, the PAUSE button is simultaneously activated and the recording is interrupted. When the CUEING button is pressed again and the tonearm descends onto the record, the PAUSE button is simultaneously released and the recording continues.
- When the REJECT button is pressed during recording and the tonearm rises, the PAUSE button is simultaneously activated and the recording is interrupted. The tonearm returns to the arm rest and the platter stops rotating.

MAINTENANCE

Remember that your turntable is a sensitive electro-mechanical device which needs occasional maintenance.

1. **Cleaning the stylus:**
You will occasionally note that dust particles have built up around the stylus. If the build-up becomes excessive it will not only result in noisy reproduction, but will eventually shorten the lives of both the record and the stylus. Should this condition occur, do not attempt to remove the dust with your fingers or a tool. Just lift the tonearm by its handle and blow the dust away, or use a stylus brush.
2. **Cleaning the dust cover, cabinet and visible metal parts:**
Use a clean soft cloth moistened with plain lukewarm water. Never use benzol, benzine, or other strong chemical cleaners, since they could damage the finish on your unit. It is important that no liquid reaches the insides of the turntable.
3. **Your turntable is equipped with a diamond stylus (needle) which will last for about 500 hours of record playing. With normal use at home this means you should replace the stylus about once a year. Playing records with a worn stylus will cause distorted sound and will do permanent damage to the record grooves. To replace the stylus, follow these steps:**
 - Switch off the power to the amplifier and turntable.
 - Carefully grasp the stylus assembly and pull it forward and downward away from the cartridge body.
 - Install the ST-100SD replacement stylus assembly (available from your authorized Fisher dealer) by gently pushing it upward and backward into the cartridge body. (Fig. 8)

IMPORTANT:

It is very important to keep the rubber mat clean at all times. If the rubber mat becomes dirty or stained, the tonearm may descend when there is no record on the platter, causing severe damage to the stylus. If necessary, clean the rubber mat by wiping it with a soft cloth moistened with clear lukewarm water. Do not use detergents or solvents because they may damage the rubber mat.

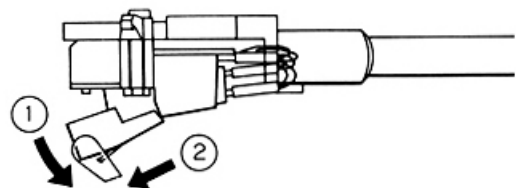


Abb. 8 / Fig. 8

TROUBLESHOOTING GUIDE

Before having your turntable unit serviced, be sure to check the following and make corrections if possible, according to these suggestions.

SYMPTOM	PROBABLE CAUSE	CORRECTION
<ul style="list-style-type: none"> • Turntable platter does not rotate. 	<ul style="list-style-type: none"> • Faulty AC power connection. • POWER switch is at OFF (released position). 	<ul style="list-style-type: none"> • Make sure unit is plugged into a "live" AC outlet. • Set POWER switch to ON (depressed position).
<ul style="list-style-type: none"> • No sound is produced. 	<ul style="list-style-type: none"> • Output cords not connected. • Faulty lead wire connections in cartridge. 	<ul style="list-style-type: none"> • Connect cords to amplifier. • Re-connect lead wires.
<ul style="list-style-type: none"> • Noise is audible and there is marked sound distortion in high tonal range. 	<ul style="list-style-type: none"> • Dust accumulation on stylus. • Dusty or scratched disc surface. • Stylus is worn out. • Improper tracking force. • Treble sound excessive. 	<ul style="list-style-type: none"> • Blow dust off, or use stylus brush. • Try a new, clean record. • Replace stylus. • Adjust tracking force. • Adjust tone control.
<ul style="list-style-type: none"> • Humming sound evident when playing a record. 	<ul style="list-style-type: none"> • Turntable ground wire is not connected to amplifier. • Faulty connections on output cords. 	<ul style="list-style-type: none"> • Connect turntable ground wire to amplifier ground terminal. • Connect output cords to amplifier correctly.
<ul style="list-style-type: none"> • Speakers howl when volume is turned up. 	<ul style="list-style-type: none"> • Improper location of turntable in relation to speakers. • Dust cover is open. 	<ul style="list-style-type: none"> • Place turntable on solid surface at a distance from speakers. • Close dust cover when playing records at high volume.
<ul style="list-style-type: none"> • Tonearm does not descend if START button is pressed. 	<ul style="list-style-type: none"> • Record color not black. • Turntable is exposed to direct sunlight. 	<ul style="list-style-type: none"> • Set AUTO/MANUAL switch to M position. • Move turntable.
<ul style="list-style-type: none"> • Tonearm does not descend on desired track. 	<ul style="list-style-type: none"> • SENSOR sensitivity selector switch is not properly set. 	<ul style="list-style-type: none"> • Reset SENSOR selectivity selector switch.
<ul style="list-style-type: none"> • Stylus does not descend at start of desired track. 	<ul style="list-style-type: none"> • APPROACH control is not properly set. 	<ul style="list-style-type: none"> • Adjust APPROACH control.

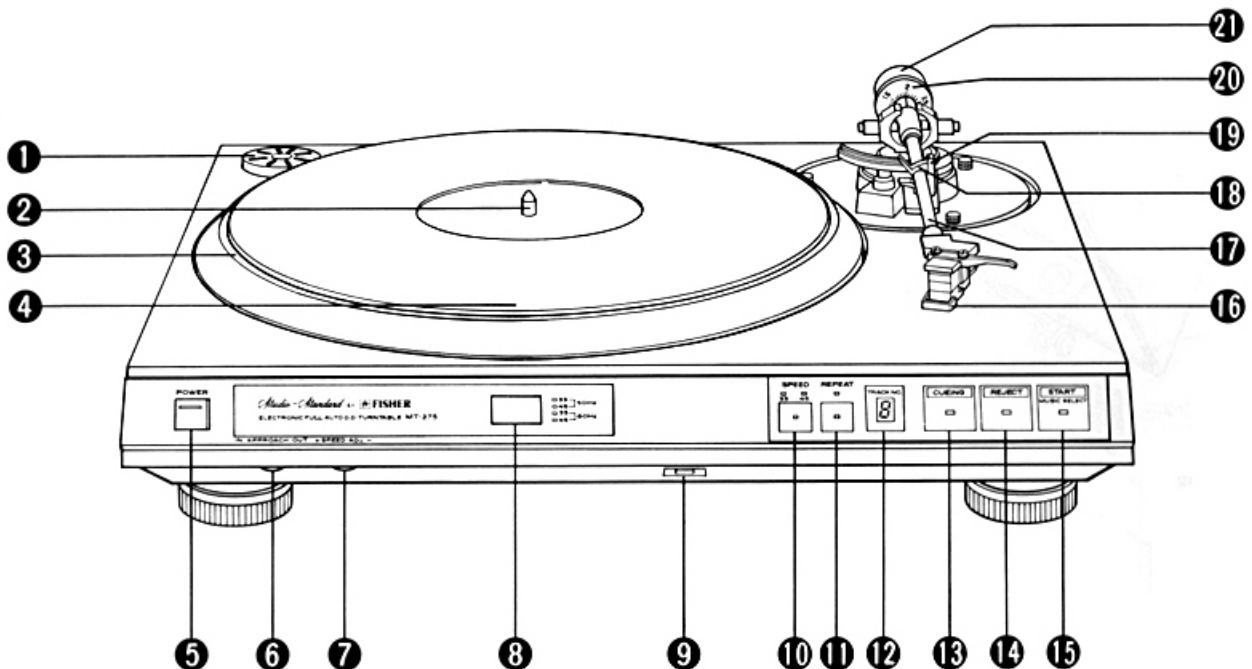


Abb. 7 / Fig. 7



FISHER

Service / Ersatzteillager:
FISHER HiFi Europa Vertriebs-GmbH
Schönstraße 80, 8000 München 90
Telefon 0 89/23 79-1
Telex 5-212384 D
Wenden Sie sich bitte mit technischen
Fragen an diese Adresse.

Verwaltung, Verkauf und Auslieferungslager:
FISHER HiFi Europa Vertriebs-GmbH
Truderingerstraße 13, 8000 München 80
Telefon 0 89/41 45-0
Telex 5-24665 D
5-24033 D