



Sanyo MR-1020 Service Manual

Auto-reverse stereo tape recorder

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Sanyo Sounds Exciting!

Auto-reverse

Stereo Tape Recorder

MODEL MR-1020

SERVICE

MANUAL

SANYO

ELECTRIC

CO.

**Auto-reverse
Stereo Tape Recorder**



SANYO

Sanyo Sounds Exciting!



LTD.

INTERNATIONAL
DIVISION : SANYO
ELECTRIC
TRADING
CO., LTD.
OSAKA,
JAPAN

SPECIFICATIONS

Speed accuracy
+2% Standard (7-1/2, 3-3/4 ips.)
+3% Standard (1-7/8 ips.)
Speed variation
2% Max. (start to end of reel)
Wow & flutter
0.2% Max. 7-1/2 ips.
(RMS value)
0.25% Max. 3-3/4 ips.
(RMS value)
0.35% Max. 1-7/8 ips. (RMS value)
Up to 2 min. for 1200 ft., on 7" reel
-70 to -72 dBm for standard rec. level
Fast winding time
Sensitivity Mic. input
meter
AUX. input
-22 to -32 dBm for standard rec. level on
meter
Power output
5 Watts each channel
(10% dist.)
Cross-talk
Better than 40 dB
Better than 65 dB
80K Hz
At least 60 dB
Better than 40 dB without weighting network
40 mV Max. volume and tone Max.
(channel-channel)
(track-track)
Bias frequency
Erase efficiency
Signal to noise ratio
Hum & noise



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**Auto-reverse
Stereo Tape Recorder**

MODEL MR-1020

SERVICE MANUAL

SANYO ELECTRIC CO., LTD.

INTERNATIONAL DIVISION : SANYO ELECTRIC TRADING CO., LTD.
OSAKA, JAPAN



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(channel-channel)
(track-track)
Bias frequency
Erase efficiency
Signal to noise ratio
Hum & noise

DISASSEMBLY

To remove the chassis and amplifier circuit from the cabinet in order to oil the mechanism, follow these steps:

1. Remove the amplifier part and the back of the chassis.
1. Remove the speaker box from the cabinet.
2. Place the set on a cushion with the front panel on the bottom.
3. Remove the four screws on the rear side, and the two on the bottom (Fig. 1).
4. Open the power source cord container cover and loosen it so that it will easily separate from the cabinet when it is raised.
5. Lift the cabinet up straight.
- TI. Remove the control panel.

1. Place the set so that the control panel is on top.

ee:

DISASSEMBLY

To remove the chassis and amplifier circuit from the cabinet in order to oil the mechanism, follow these steps:

3. Remove the Speed selector knob by turning it to the left.
4. Take off the eight screws from the surface of the control panel.
 1. Remove the speaker box from the cabinet.
 2. Place the set on a cushion with the front panel on the bottom.

Gain balance (channel-channel) 3 dB
Frequency response (record/play)

SPEED	
	100
7-1/2 ips.	+7 -3
3-3/4 ips.	+6 -4
1-7/8 ips.	-

Reel torque (gr/cm)

MODE	FEEL
Play	3
Fast winding	3

Pinch roller pressure 1.1 - 1.5 gr.
Pad pressure 30 gr.

5. Lift off the control panel; be careful not to touch the lead cords for the heads or the auto stop lever.

Gain balance (channel-channel)

Frequency response (record/play)

FREQUENCY

(Hz)

SPEED |

- 100

| 1,000 | 3,000 | 5,000 | 10,000

7-1/2 ips. |

+3

0

3-3/4 ips. | 78

0

1-7/8 ips.

Reel torque (gram)

1.1 - 1.5K gr.

30 gr.

Pinch roller pressure

Pad pressure

E

Unscrew

six

screws (A.,F)

Fig. 1



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SANYO ELECTRIC CO. LTD.



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