

Service Manual

Mini Cassette
RQ-JA5
(Red)
(Silver)
(Black)

Auto-Reverse
Stereo Cassette Player



This is the Service Manual for the following areas.

Z...For all European areas except United Kingdom.

E...For United Kingdom.

RQ-JA5 MECHANISM SERIES

■ SPECIFICATIONS

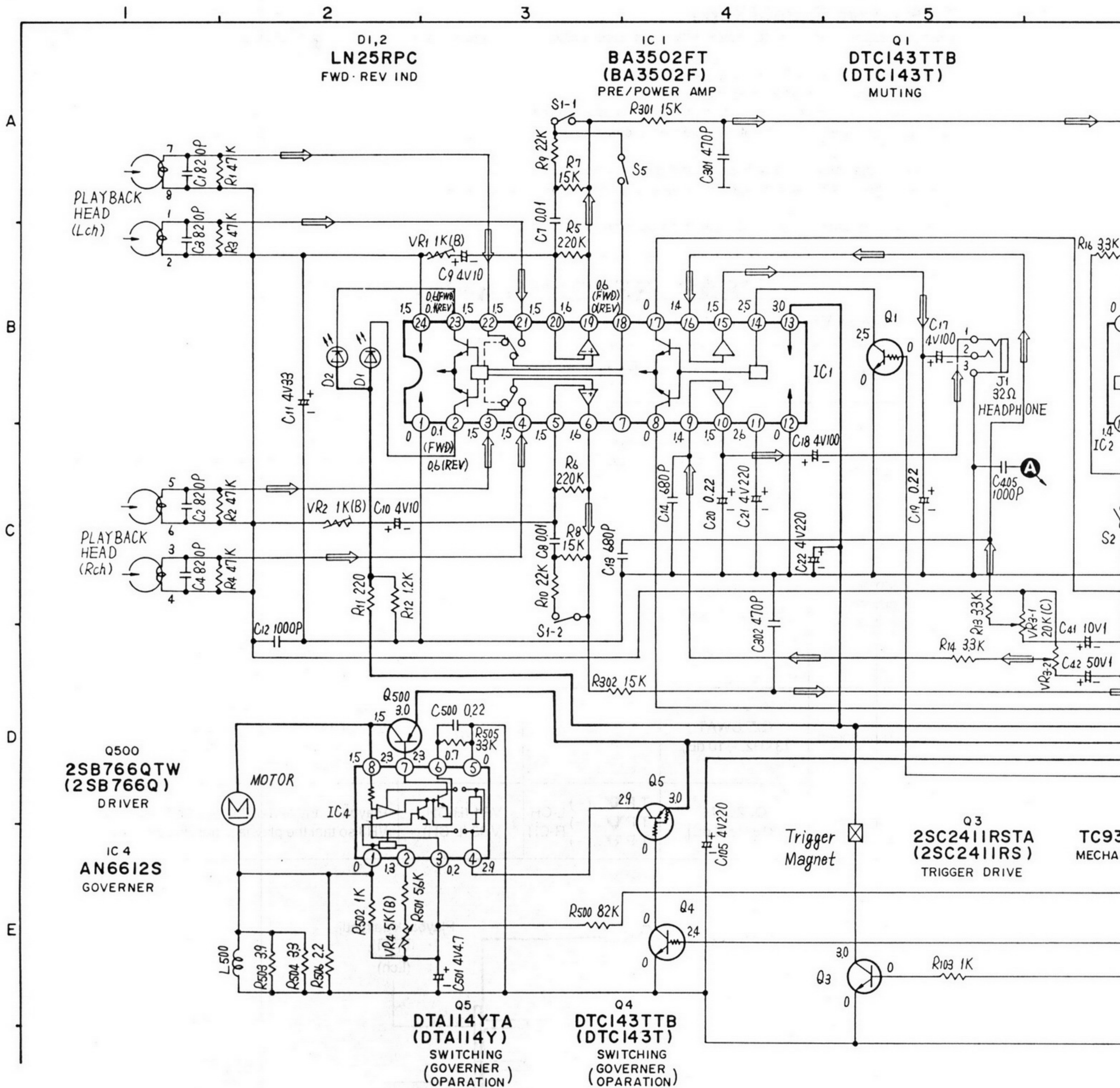
Power Requirement:	AC; 220 V, 50 Hz with optional AC adaptor RD-9443HS 240 V, 50 Hz with optional AC adaptor RD-9443HE for United Kingdom.
Power Output:	Battery; 3 V (Two "AAA" Size Penlight Batteries) (Panasonic UM-4 or equivalent) 30 mW (15 mW×2)...RMS (max.)
Input:	DC IN; 3 V (Ø3.5)
Output:	Headphones; 32Ω (Ø3.5)
Dimensions:	76.2 (W)×109 (H)×22.7 (D) mm
Weight:	190 g without batteries
Frequency Response:	40~15,000 Hz (with normal tape) 40~15,000 Hz (with CrO ₂ tape) 40~15,000 Hz (with Metal tape)
Motor:	Electrical governor motor
Tape Speed:	4.8 cm/s
Program Time:	1 hour with C-60 cassette tape
Track System:	4-track 2-channel stereo playback

Specifications are subject to change without notice.

Panasonic

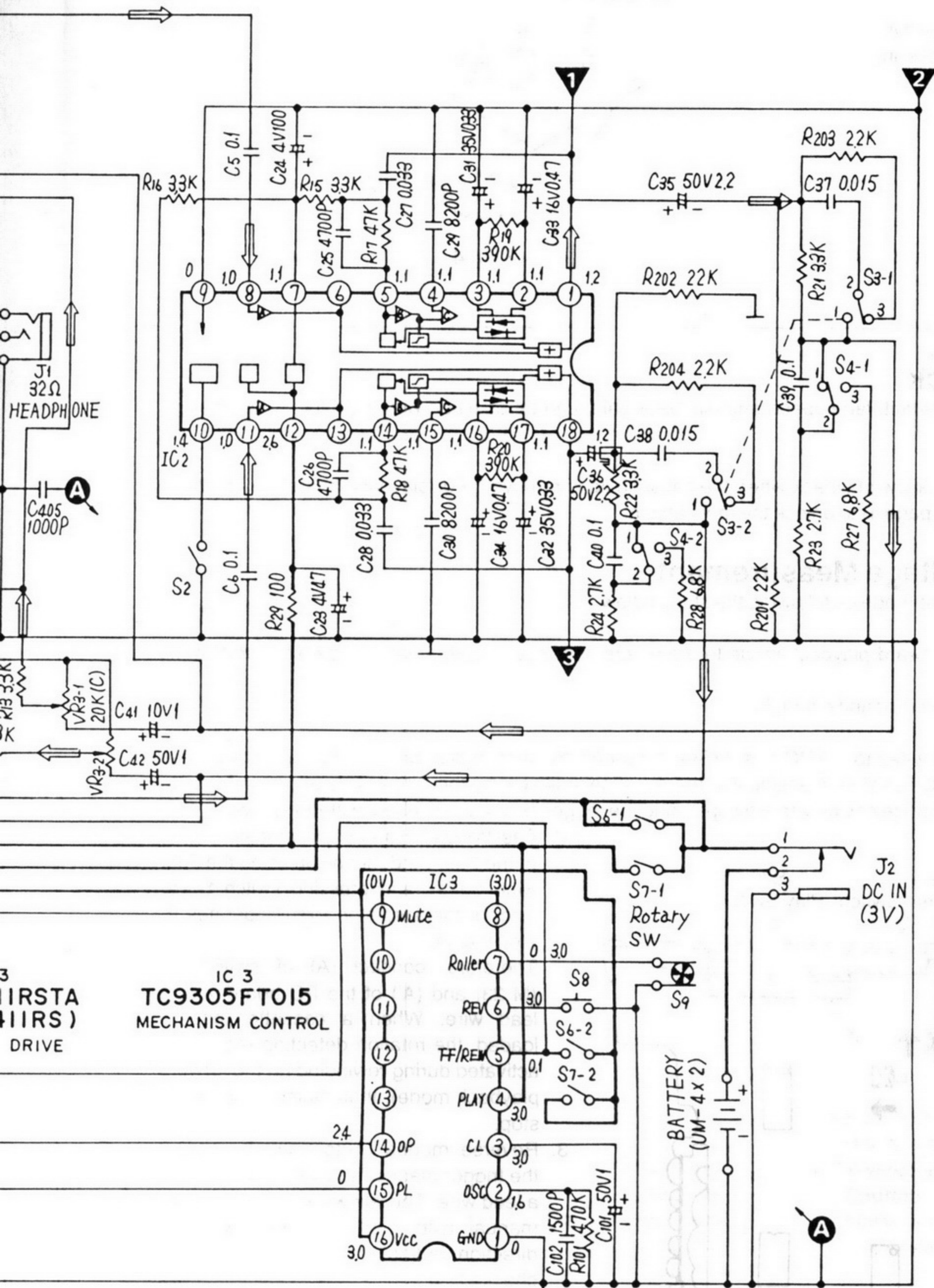
Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

SCHEMATIC DIAGRAM MODEL RQ-JA5



- Notes:**
- | | |
|--|--------------------|
| 1. S1-1, S1-2: Tape select switch in "Normal" position.
(1....Normal, 3....CrO ₂ /Metal) | 9. S9: |
| 2. S2: Dolby NR switch in "IN" position. | 10. VR1: |
| 3. S3-1, S3-2: Pre-set equalizer high boost switch in "OFF" position. | 11. VR2: |
| 4. S4-1, S4-2: Pre-set equalizer low boost switch in "OFF" position. | 12. VR3-1
VR3-2 |
| 5. S5: Auto reverse switch in "OFF (Foward)" position. | 13. VR4: |
| 6. S6-1, S6-2: F.F/REW switch in "OFF" position. | 14. The m |
| 7. S7-1, S7-2: Playback switch in "OFF" position. | 15. DC vo |
| 8. S8: Manual reverse switch in "OFF" position. | 16. Batter |

IC 2
AN7375ST
(AN7375S)
DOLBY



REPLACEMENT PARTS LIST

Ref. No.	Part. No.	Part Name & Description
INTEGRATED CIRCUITS		
IC1	BA3502F	IC (Pre/Power Amp)
IC2	AN7375S	IC (Dolby)
IC3	TC9305FT015	IC (Mechanism Control)
IC4	AN6612S	IC (Motor Governor)
TRANSISTORS		
Q1,4	DTC143T	Transistor
Q3	2SC2411RS	Transistor
Q5	DTA114Y	Transistor
Q500	2SB766Q	Transistor (Ge)
DIODES & RECTIFIERS		
D1,2	LN25RPC	LED (Si)
COIL		
L500	ELEMD3R9KR	Choke Coil
VARIABLE RESISTORS		
VR1,2	EVNA6AA00B13	Playback Gain Adjustment VR.
VR3	EVUBSAT50C24	Volume Control
VR4	EVM14GA00B53	Tape Speed Adjustment VR.
SWITCHES		
S1,2	QSS2235	Slide Switch (Tape Selector, Dolby ON/OFF)
S3	RSHX065Z	Push Switch (Preset EQ.)
S5,6,7	RSH1B09Z	Push Switch (Auto Reverse, FF/REW, Play)
S8	RSH1A48Z	Push Switch (Manual Reverse)
S9	Refer to M23 & M61	Combination Switch (Rotary Detection)
JACKS		
J1	RJJD3S2Z	Jack, Headphones
J2	RJJ1B3Z	Jack, DC IN

⇨ : Playback signal
 — : (+) B Line

- 9. S9: Rotary detection switch.
- 10. VR1: Playback gain adjustment VR (for L-CH).
- 11. VR2: Playback gain adjustment VR (for R-CH).
- 12. VR3-1, VR3-2: Volume control.
- 13. VR4: Tape speed adjustment VR.
- 14. The mark (▼) shows test point. e.g. ▼ = test point 1.
- 15. DC voltage measurement are taken with electronics voltmeter from negative terminal of battery.
- 16. Battery current: Minimum output (Playback mode) 65 mA
 Maximum output (Playback mode) 90 mA