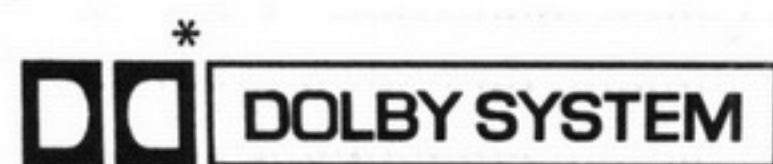


Service Manual

Mini Cassette



Stereo Cassette Player

RQ-SX15



Colour

(K)...Black Type

Area

Suffix for Model No.	Area	Colour
(E)	Europe.	(K)
(EB)	Great Britain.	
(GH)	Hong Kong.	

* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

AR10 MECHANISM SERIES

■ SPECIFICATIONS

Power Requirement: Battery; DC 1.5V one "AA" size battery (not included) (Panasonic R6, LR6 or equivalent not included)
Rechargeable Battery; DC1.2V with an included Panasonic Rechargeable Battery (RP-BP62EYS1)x1...For (E, EB) areas. (RP-BP61SYS1)x1...For (GH) area.

Power Output: 4mW+4mW...RMS (max.)

Output Jack: Headphones;
30Ω (stereo mini jack φ3.5)

Dimensions (WxHxD): 108.8x75.3x20.2mm

Weight: 160g (with rechargeable battery)

Charger: (E, GH) Input; AC230V, 50Hz, 4W (RP-BC155EY) (included)
Output; DC 1.2V, 340mA

(EB) Input; AC240V, 50Hz, 4W (RP-BC155EBYA) (included)
Output; DC 1.2V, 350mA

Frequency Range (Normal/High/Metal): 40~18,000Hz (—6dB)

Playing time:
(When used in hold mode, at 25 °C on a flat and stable surface.)

Panasonic Dry cell battery	R6	About 12h
	LR6	About 28h
Rechargeable battery		About 9h
Panasonic Dry cell battery (R6) with rechargeable batteries		About 21h
Panasonic Dry cell battery (LR6) with rechargeable batteries		About 36h

The play time may be shorter depending on the operating conditions.

Recharging time: About 2 hours
Motor: Electrical governor motor
Track System: 4 track, 2 channel, stereo
Tape Speed: 4.8cm/s

Note: Design and specifications are subject to change without notice. Weight and dimensions are approximate.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.









Panasonic®

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■ SCHEMATIC DIAGRAM (See parts list on pages 21 ~ 24.)

(This schematic diagram may be modified at any time with development of new technology.)

Notes:

- **S1** : FWD/REV switch in "REV" position.
- **S2** : HOLD (HOLD) switch in "OFF" position.
- **S3** : Dolby noise reduction ( NR) switch in "OFF" position.
- **S4** : Tone select (OFF/S-XBS/TRAIN) switch in "OFF" position.
- **S5** : B.S OFF/ON,  /  (BLANK SKIP, REVERSE MODE) switch in "" position.
(ON: , OFF: )
- **S6-1** : Tape IN/OUT det. switch in "OUT(OFF)" position.
[IN(ON)... Tape in, OUT(OFF)...Tape out]
- **S6-2** : Tape detector (METAL/NORMAL) switch in "OFF (METAL)" position.
[ON: NORMAL, OFF: METAL]
- **S7** : Play () switch.
- **S8** : Fast forward (FF) switch.
- **S9** : Rewind (REW) switch.
- **S10** : Stop () switch.
- **VR1** : Volume adjustment.
- **VR401** : Tape speed adjustment.

- DC voltage measurements are taken with electronics voltmeter from negative terminal of battery.

No mark...Playback.

Volume VR $\left\{ \begin{array}{l} \text{MAX...72mA} \\ \text{MIN....72mA} \end{array} \right.$

- Signal line

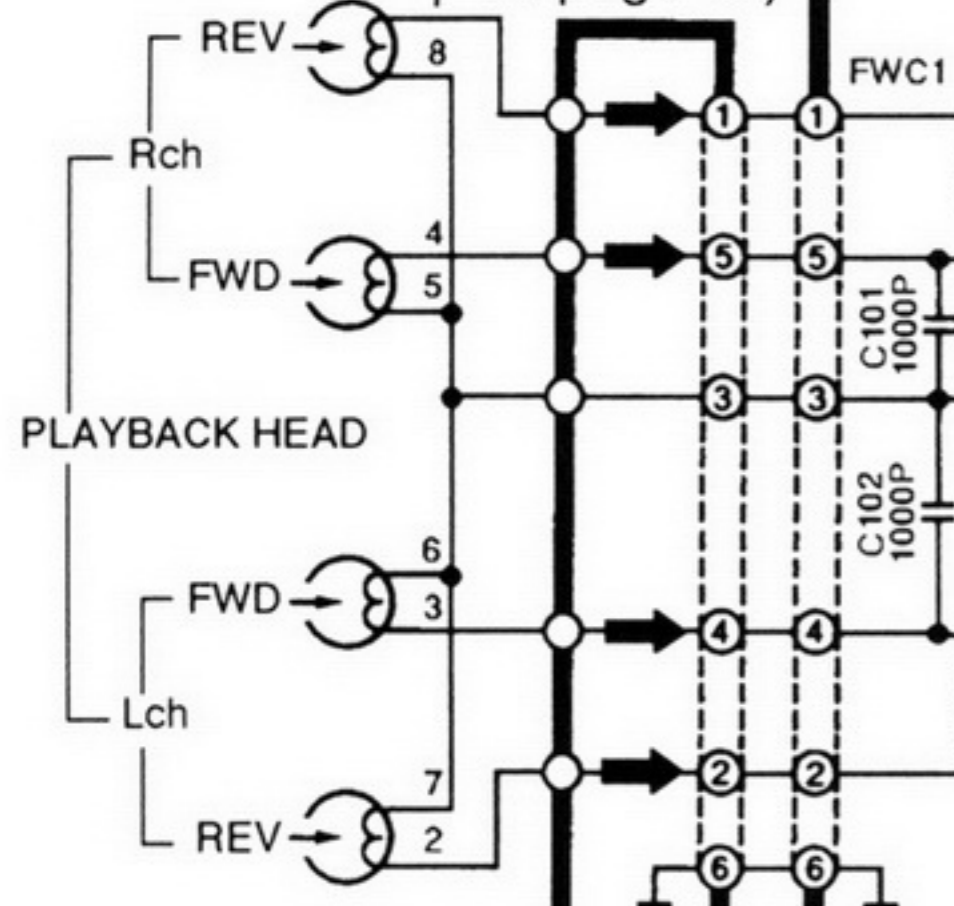
 : +B line,  : Playback signal.

■ CHECK POINT OF SIGNAL

CHECK ITEM		TEST POINT
HEAD → PRE OUTPUT	Lch	TP15
	Rch	TP14
	COM	HP TERMINAL
PRE OUTPUT → DOLBY NR OUTPUT	Lch	TP6
	Rch	TP7
	COM	HP TERMINAL
DOLBY NR OUTPUT → VR INPUT	Lch	VR TERMINAL
	Rch	VR TERMINAL
	COM	VR TERMINAL
VR INPUT → VR OUTPUT	Lch	VR TERMINAL
	Rch	VR TERMINAL
	COM	VR TERMINAL
POWER AMP OUTPUT → HEADPHONES OUTPUT	Lch	HP TERMINAL
	Rch	HP TERMINAL
	COM	HP TERMINAL
PHOTO COUPLER (END)	PULSE OUTPUT	TP43

A MAIN CIRCUIT (P.C.Board: on page 18)

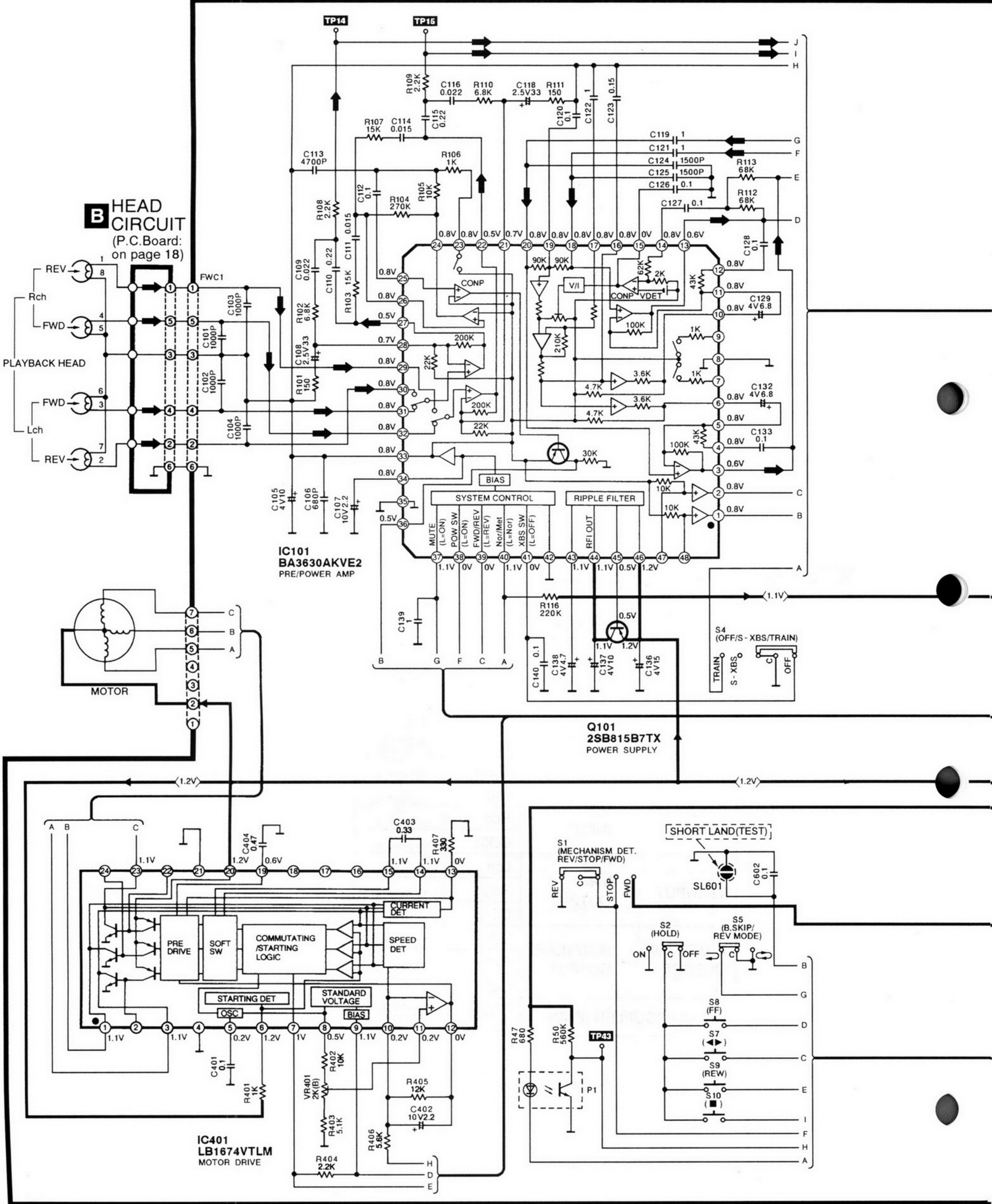
B HEAD CIRCUIT (P.C.Board: on page 18)

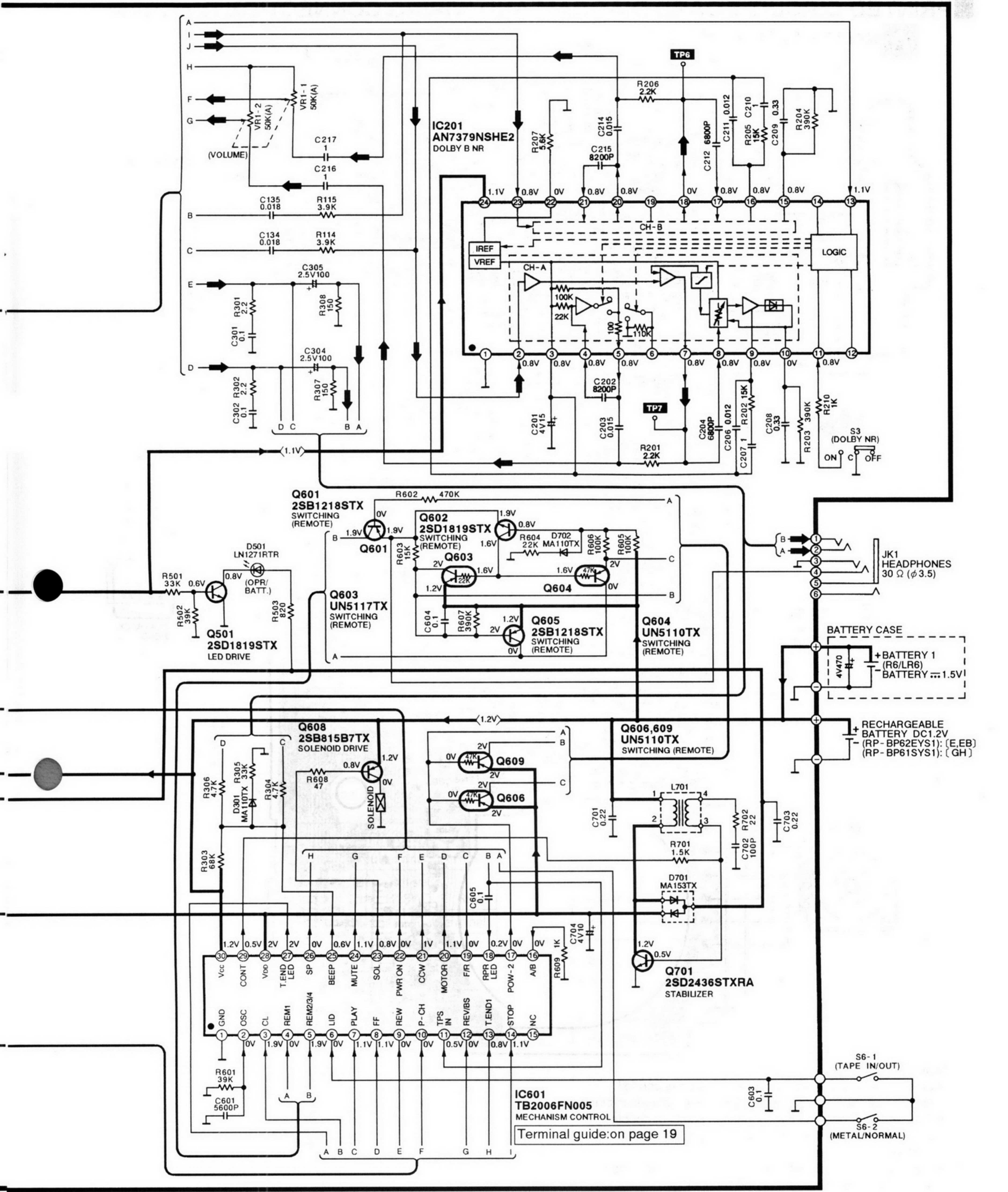


IC101
BA3630AKVE2
PRE/POWER AMP

Q101
2SB815B7TX
POWER SUPPLY

IC401
LB1674VTLM
MOTOR DRIVE





Terminal guide: on page 19