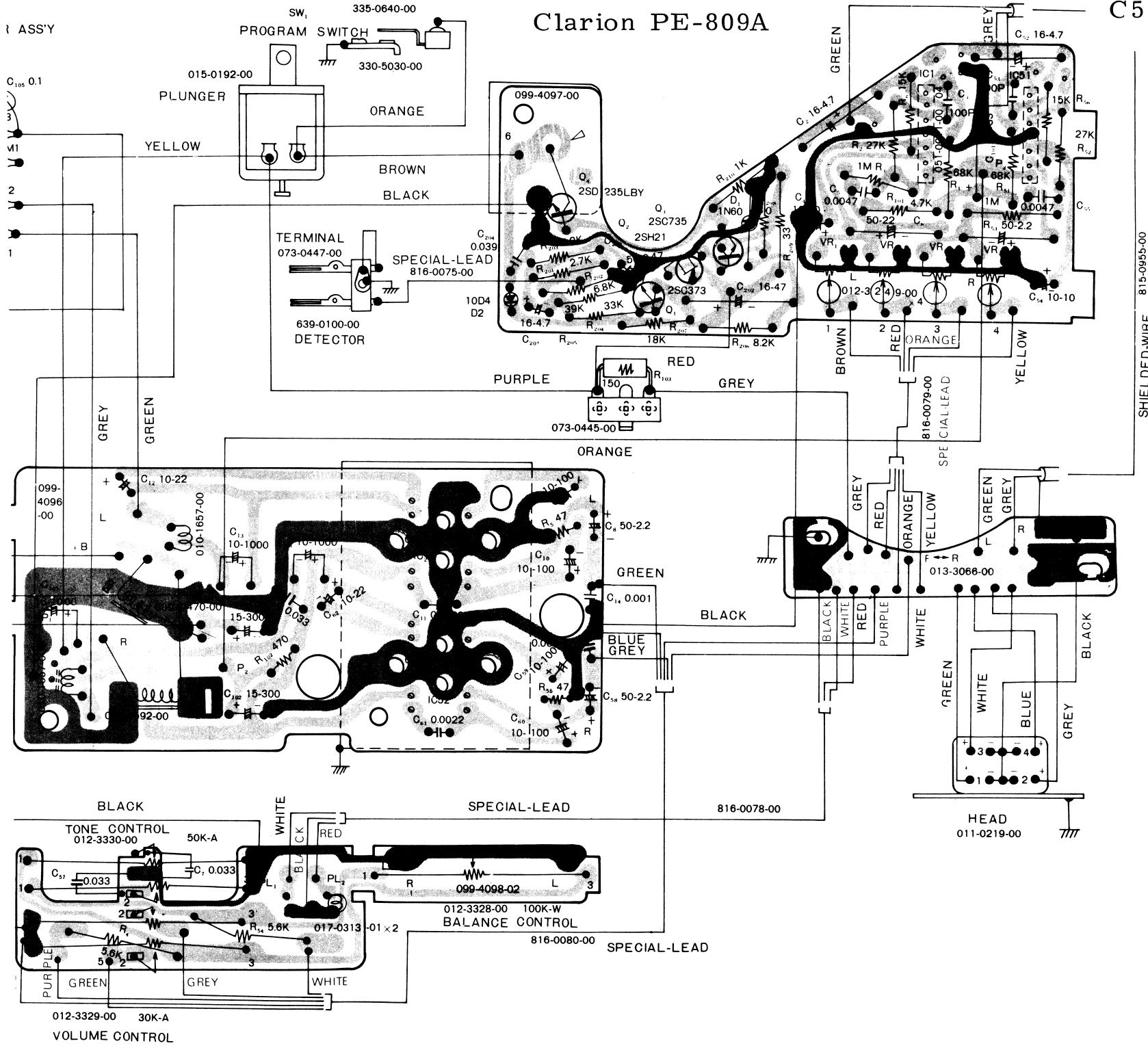


NOTE 1: Conduct measurements. Under no signal conditions with a tester an internal resistance of 4K Ω /V and at the following range.
 2.5V or greater 10V range.
 0.5V or greater 10V range.
 Below 0.5V 0.5V range.
 Measurement Value may be different, if measured by wrong range.

NOTE 2: The values in parentheses are the voltages and currents when program switching operation is conducted.

Clarion PE-809A



CLARION SERVICE MANUAL

MINI TYPE IC CASSETTE CAR STEREO AUTO REVERSE SYSTEM MODEL PE-809A

CLARION SHOJI. CO., LTD.

NEWKOJIMACHI BLDG., 3, 5-CHOME, KOJIMACHI, CHIYODA-KU, TOKYO, JAPAN. PHONE NO. 265-2931-4

USA BRANCH: CLARION SHOJI. CO., LTD. (U.S.A.)

2306 COTNER AVENUE, LOS ANGELES, CALIF., 90064, U.S.A. PHONE NO. 272-1178, 272-1169, 479-5556.

EUROPE BRANCH: CLARION SHOJI (EUROPA) G.m.b.H.

2000 HAMBURG 76, SCHÖNE AUSSICHT 35, GERMANY. PHONE: 2207667.



* SPECIFICATIONS:

Reproduction cation:	4 track, 2 channel, 2 program stereo cassette tape player (Monaural tape playable)
Tape speed:	1 7/8 ips (4.75 cm/sec)
Wow and flutter:	Less than 0.44%
S/N ratio:	More than 40dB
Cross talk:	More than 30dB (for adjacent channel) More than 40dB (for adjacent track)
Reproduction frequency range:	50Hz - 10,000Hz
Automatic change time:	Less than 8 sec
Power output:	More than 3.0W x 2 (for 8% distortion) More than 3.5W x 2 (for Max volume)
Output impedance:	4 Ω x 2
Power supply voltage:	DC. 14V (10.8V - 15.6V) Negative ground
Power consumption:	Less than 1.5A (at Max output) Less than 4.5A (at plunger operated)
Semiconductors:	4 ics, 4 transistors and 2 diodes
Amplifiers:	TA7063P x 2 (IC) TA7092P x 2 (IC)
Auto changer:	2SC373 x 1 2SC735 x 1 2SD235 x 1 2SH21 x 1 1N60 x 1 (Diode) 10D4 x 1 (Diode)
Weight:	3.74 lbs (1.7kg)
Dimensions:	Width 5.5" (140mm) Height 2.16" (55mm) Depth 5.9" (150mm)

* COMPONENTS

PA-8092-04	Main unit	1 Set
280-3020-00	Owner's guide	1 Each
300-0490-00	Rear mounting bracket	1 Each
300-5074-00	Mounting bracket	1 Each
852-1090-02	Extension lead	1 Each
921-5701-00	Parts bag	1 Set
950-4627-00	Packaging kit	1 Set

* FEATURES

- Automatic reversing specially developed and designed for exclusive use in car stereos.
- 4-track system allows the listening of two programs of stereo music from one cassette and provides monotrack playback.
- By employing 4-monolithic ICs, beautiful Hi-Fi sound is reproduced. Reliability and compact construction are utilized. An automatic program switching device makes it possible to automatically switch the program when the tape ends, allowing instant playback. The program can be switched midway through the tape by pressing the program button.
- With the incorporation as a program indicator, the program direction can be confirmed at a glance.
- A specially designed mechanism provides stable playback even while driving over tough terrain regardless of vibration resistance.