

CASSETTE CAR STEREO

MODEL : GX-31

(IN-DASH/UNDER-DASH TYPE)

SERVICE MANUAL

MITSUBISHI ELECTRIC CORPORATION

1. FEATURES

- Fully automatic tape reverse.
- No need to hold down the fast-forward or reverse button. Press the button and it stays down until you press another one. This leaves your hands free for safer driving.
- The bass switch emphasizes the low notes, providing a richer, fuller tone.
- An automatic pinch-roller release lifts the roller from the tape when the ignition is turned off, thereby preventing roller deformation and damage to the unit.
- By simply depressing the center of the VOLUME/PRO button, tape reversal is possible at any point.
- Both the main amplifier and the preamp incorporate high-performance, high-quality ICs.
- With the automatic seating mechanism, you just insert the cassette in the slot and it seats and starts automatically.
- Style-setting design in black and silver.
- Also plays monoaural tape, or tapes you record yourself.
- Pure, complementary circuitry and high-grade power ICs cut distortion way, way down.

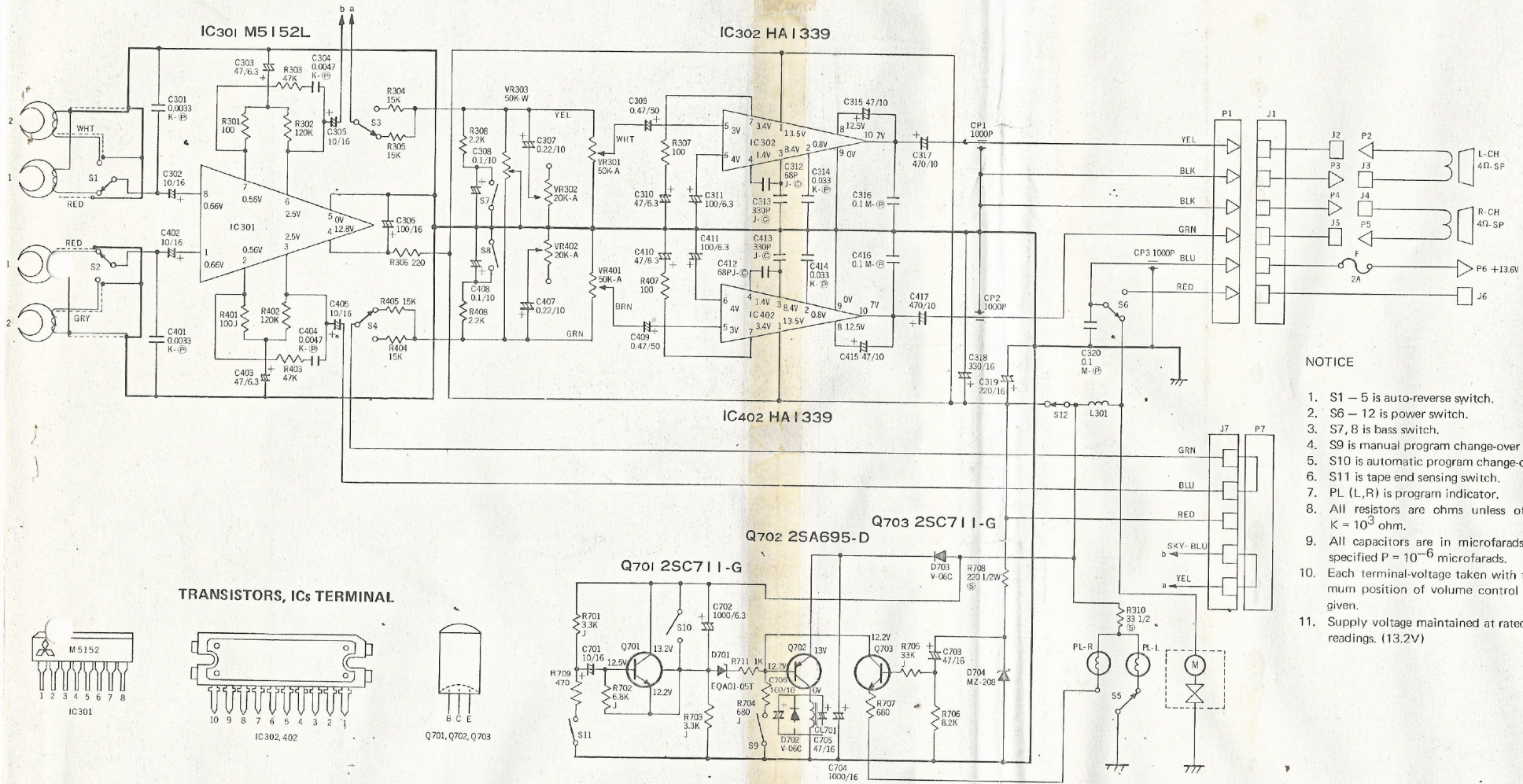
2. SPECIFICATIONS

| | |
|----------------------|---|
| No. of tracks | : 4-track, 2-channel, 2-program stereo playback |
| Tape speed | : 4.75 cm/sec (1-7/8") |
| Output power | : 4.0 W RMS per channel (max.) |
| Wow and flutter | : Less than 0.30 W.R.M.S |
| Frequency response | : 50 ~ 10,000 Hz |
| Load impedance | : 4 ~ 8 ohm |
| Power source | : 13.2 V \pm 2.4 V Negative ground only |
| Circuitry | : 3 — monolithic ICs 3 — Transistors 4 — Diodes |
| Battery drain (avg.) | : 0.7 A |
| Dimensions (WxHxD) | : 140 x 56 x 192 mm |
| Weights | : 1.8 kg (4 lbs.) |

3. COMPONENT

| | |
|-----------------------------------|-------|
| ● Car stereo unit | 1 |
| ● Accessories | 1 |
| bracket for unit | 1 |
| lead for power supply and speaker | 1 |
| screw, nuts and washers | 1 set |
| ● Instruction booklet | 1 |

MODEL GX-31 SCHEMATIC DIAGRAM



NOTICE

1. S1 – 5 is auto-reverse switch.
2. S6 – 12 is power switch.
3. S7, 8 is bass switch.
4. S9 is manual program change-over switch.
5. S10 is automatic program change-over switch.
6. S11 is tape end sensing switch.
7. PL (L,R) is program indicator.
8. All resistors are ohms unless otherwise specified
 $K = 10^3$ ohm.
9. All capacitors are in microfarads unless otherwise specified
 $P = 10^{-6}$ microfarads.
10. Each terminal-voltage taken with tester at the minimum position of volume control when no signal is given.
11. Supply voltage maintained at rated value for voltage readings. (13.2V)

