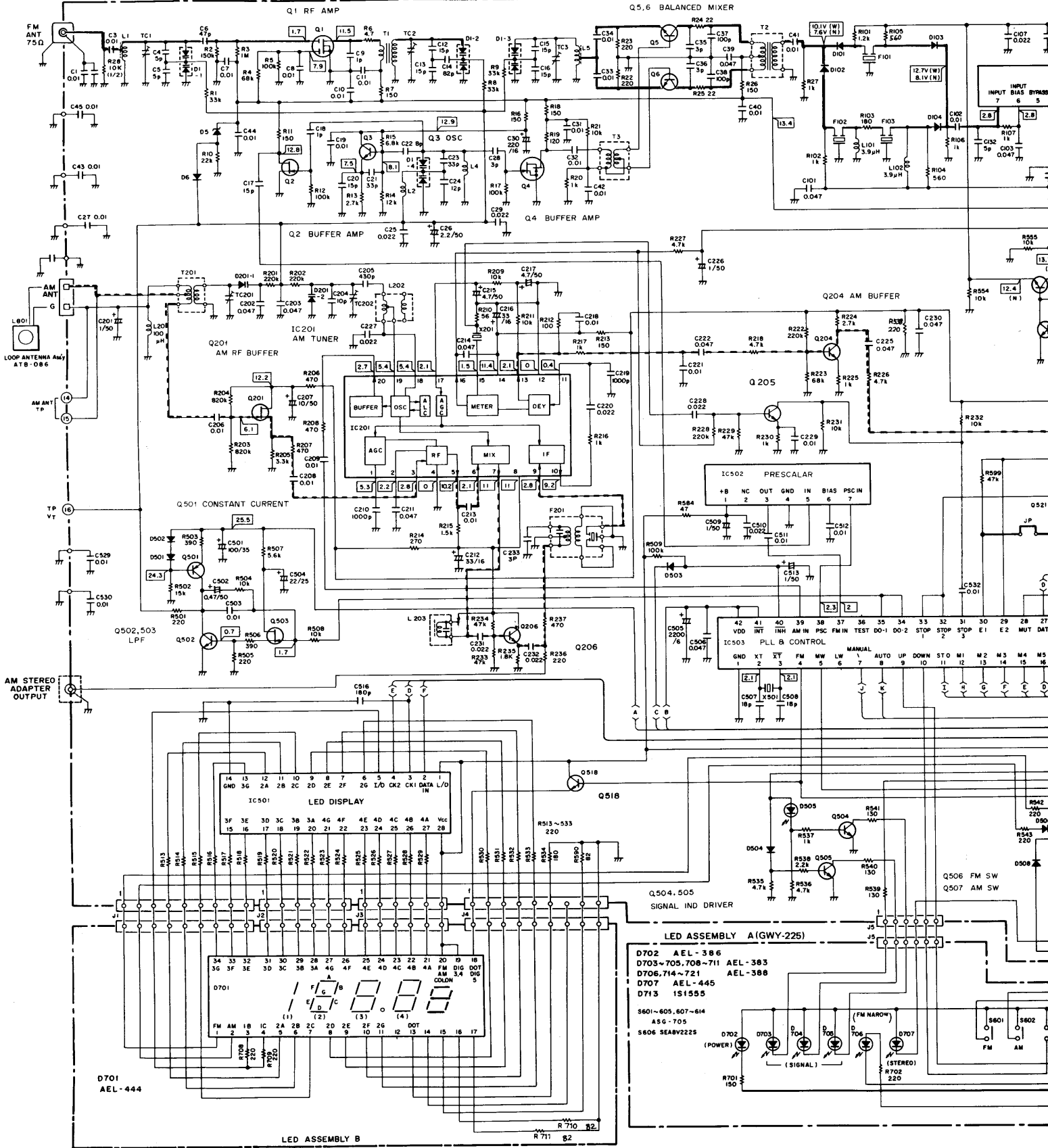
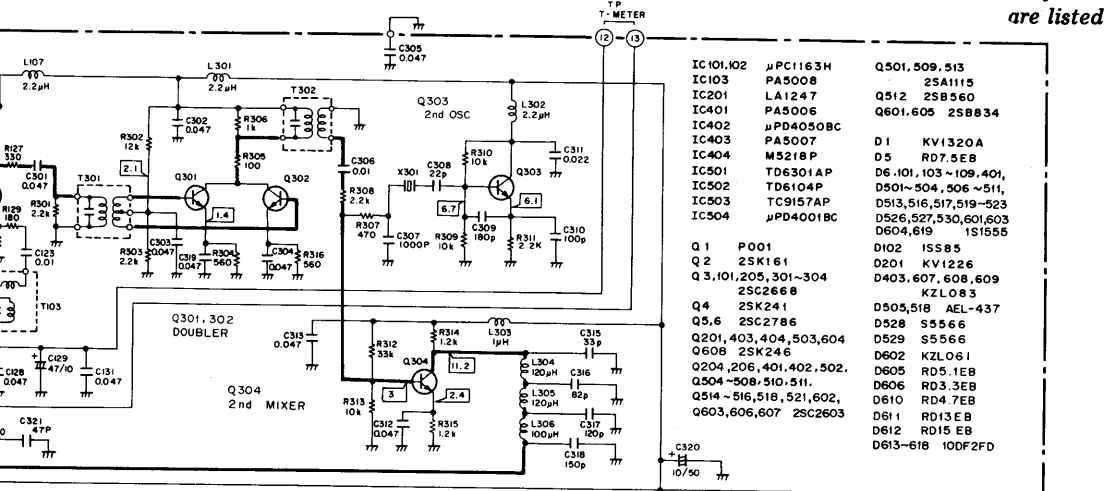


8. SCHEMATIC DIAGRAM

TUNER ASSEMBLY GWM-417

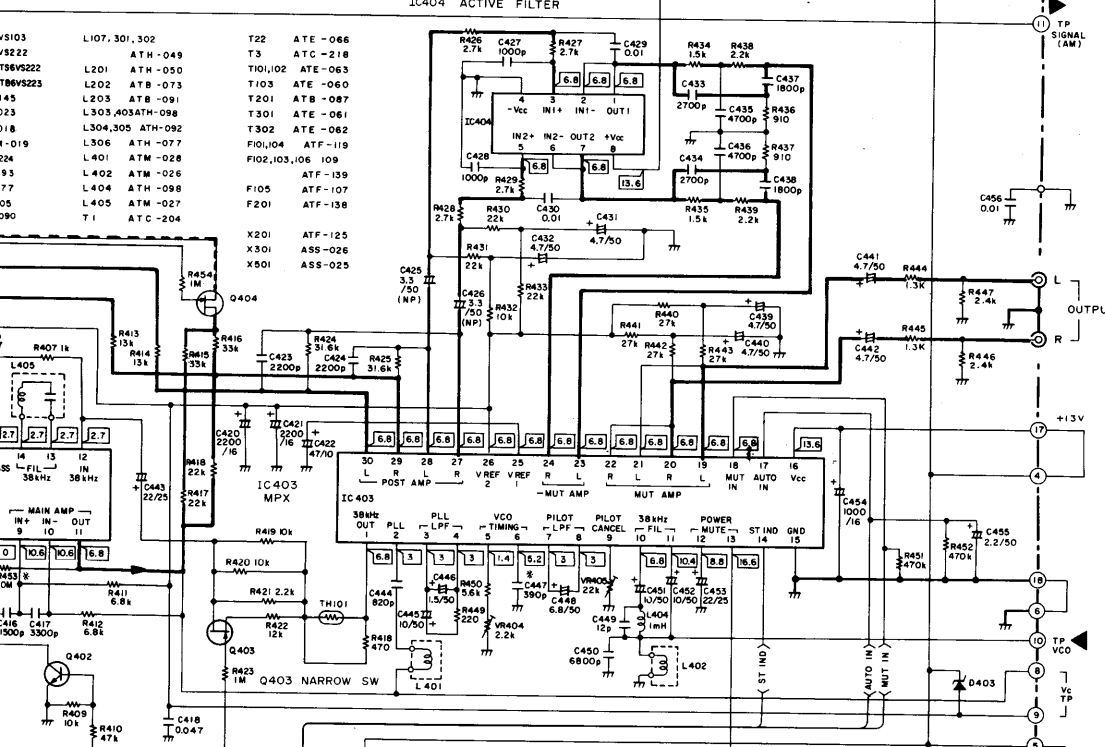


NOTE:
 The indicated semiconductors are representative ones only. Other alternative semiconductors may be used and are listed in the parts list.

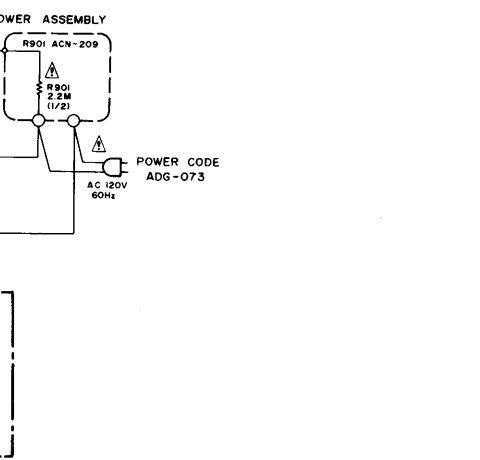
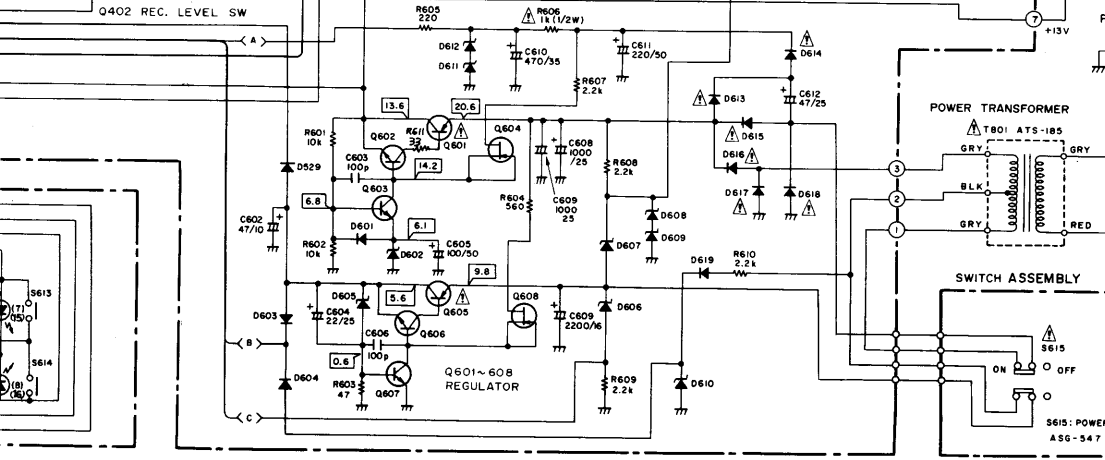


- | | | |
|----------------------|-----------------------|-----------------------|
| IC101,102 | μPC1163H | Q501,509,513 |
| IC103 | PA5008 | D5 |
| IC201 | LA1247 | D5A1115 |
| IC401 | PA5006 | Q512 |
| IC402 | μPD4050BC | Q601,605 |
| IC403 | PA5007 | D1 |
| IC404 | M5218P | D5 |
| IC501 | TD6301AP | D6,101,103~109,401, |
| IC502 | IC502 | D51~504,506~511, |
| IC503 | TC9157AP | D513,516,517,519~523, |
| IC504 | μPD4001BC | D526,527,530,601,603 |
| | | D604,619 |
| | | 1S1555 |
| Q1 | P001 | D102 |
| Q2 | 2SK161 | D201 |
| Q3,101,205,301~304 | 2SC2668 | D403,607,608,609 |
| Q4 | 2SK241 | KZL083 |
| Q5,6 | 2SC2786 | D505,518 |
| Q201,403,404,503,604 | Q206,208,401,402,502, | AEL-437 |
| Q608 | Q504~508,510~511, | D528 |
| | Q514~516,518,521,602, | S5566 |
| | Q603,606,607 | S5566 |
| | | 2SC2603 |
| | | D602 |
| | | KZL061 |
| | | D605 |
| | | RD5.1EB |
| | | D610 |
| | | RD4.7EB |
| | | D611 |
| | | RD13.5B |
| | | D612 |
| | | RD15.5B |
| | | D613~618 |
| | | 10DF2FD |

- RESISTORS:
 Indicated in Ω, 1/4W, 1/8W and 1/8W, ±5% tolerance unless otherwise noted k, KΩ, M, MΩ, (F), ±1%, (G), ±2%, (K), ±10%, (M), ±20% tolerance
 - CAPACITORS:
 Indicated in capacity (μF)/voltage (V) unless otherwise noted p, pF. Indication without voltage is 50V except electrolytic capacitor.
 - VOLTAGE, CURRENT:
 [V]: Signal voltage at W + W, BΩ output (1 kHz)
 []: DC voltage (V) at no input signal Value in () is DC voltage at rated power.
 [mA]: DC current at no input signal
 [mV]: Signal voltage at FM 400 Hz ± 75 kHz DEV.
 - OTHERS:
 []: Signal route.
 []: Adjusting point.
 The * mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
 * marked capacitors and resistors have parts numbers.
 The underlined indicates the switch position.
- This is the basic schematic diagram, but the actual circuit may vary due to improvements in design.

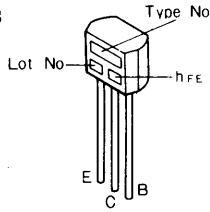


- THE UNDERLINED INDICATES THE SWITCH POSITION
- | | |
|------------------------|--------------------------|
| SWITCH ASSEMBLY | |
| S615: POWER | ON - OFF |
| LED ASSEMBLY A | |
| S601: FM | ON - OFF |
| S602: AM | ON - OFF |
| S603: TUNING DOWN | ON - OFF |
| S604: TUNING UP | ON - OFF |
| S605: MEMORY | ON - OFF |
| S606-1: MANUAL MUTE | OFF MANUAL/OFF - AUTO/ON |
| S606-2: FM WIDE | FM IF WIDE - NARROW |
| S606-3: STATION CALL | STATION CALL 9-16 - 1-9 |
| S607: STATION CALL (1) | ON - OFF |
| S608: STATION CALL (2) | ON - OFF |
| S609: STATION CALL (3) | ON - OFF |
| S610: STATION CALL (4) | ON - OFF |
| S611: STATION CALL (5) | ON - OFF |
| S612: STATION CALL (6) | ON - OFF |
| S613: STATION CALL (7) | ON - OFF |
| S614: STATION CALL (8) | ON - OFF |
- THE UNDERLINED INDICATES THE SWITCH POSITION.

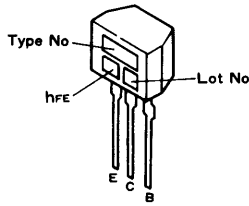


External Appearance of Transistors and ICs

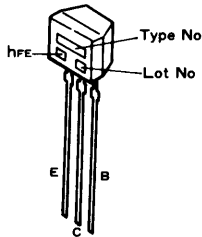
2SA1115
2SC2603



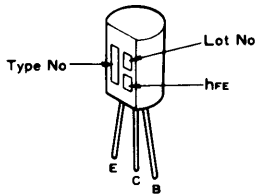
2SC2668



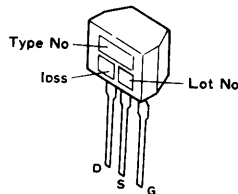
2SC2786



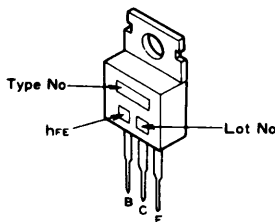
2SB560



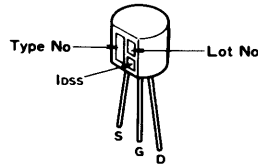
2SK161
2SK241



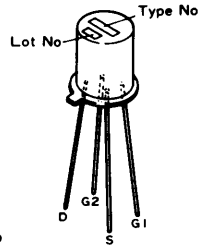
2SB834



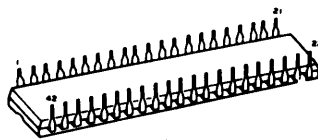
2SK246



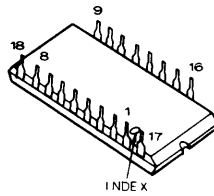
P001



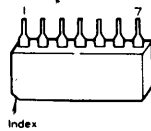
TC9157AP



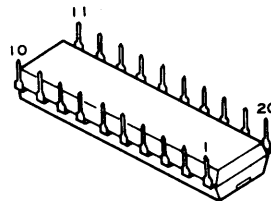
PA3007-A



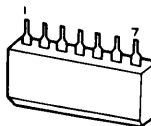
μPC1163H



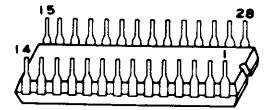
LA1247



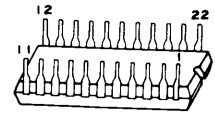
TD6104P



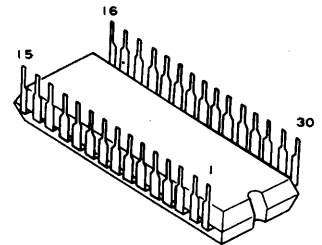
TD6301AP



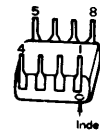
PA5006



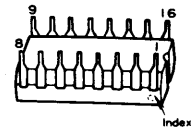
PA5007



M5218P



PA5008
μPD4050BC



μPD4001BC

