

Description of the Electrical Circuitry

System Transceiver O44J2000S

- A) When the system transceiver receives a signal from the hand-held transceiver:
- 1) U1 (CPU) monitors the 447.7 MHz through Antenna.
 - 2) When U1 receives 447.7 MHz signal, the signal is amplified by Transistor Q101, Q102, then sent to the Mixer Transistor Q104.
 - 3) Q103 sends self-generated frequency 469.1 MHz to Mixer Transistor Q104.
 - 4) Transistor Q104 heterodynes the signals from Q102 and Q103 to generate 21.4Mhz that is sent to Intermediate Frequency IC, U101.
 - 5) Intermediate Frequency IC demodulate the signal to digital code and then send it to U1 (CPU).
 - 6) The CPU recognizes the ID and instruction, then activates Vehicle Start, Siren Output, Light Output, Trunk Release, Door Lock/Unlock.
 - 7) After the activation of 6), the system sends confirmation to the hand-held remote.
- B) When the system detects shock from the vehicle through shock sensor or door opening of the vehicle from R15, Transistor-IC U4, the system sends the confirming signal to the hand-held transmitter.
- C) The system sends the confirming signal to the hand-held remote.
- 2) U1 (CPU) transfers the ID code and instruction to Q110 through R132.
 - 3) Q110 generates the radio frequency carrier of 447.7 MHz that was modulated by the data from U1.
 - 4) The signal from Q110 is amplified by the Transistor Q109, Q108, then sent to Antenna.