

## CIRCUIT DESCRIPTION OF THE TRANSMITTER

- ◆ There are three buttons (SW-1, SW-2 & SW-3) on the face of the transmitter that commands the Security System operated as follows:

**BUTTON #1 (SW-1)** = Arms and Disarms

**BUTTON #2 (SW-2)** = Opens the trunk / or silently “Arms” and “Disarms”

**BUTTONS #3 (SW-3)** = Commands a Channel (3) Signal.

This signal is generally used to command a Remote Starter Module, but can be used to operate any vehicle function.

- ◆ Depress Button (Switch) on Remote Transmitter.

Power is supplied to the ASK MOD. oscillation circuit and Encoder IC U1.

- ◆ Then, the Encoder IC U1 is activated.

- ◆ The Encoder IC U1 is a  $2^{24}$  series of encoder C-MOS LSIs designed for use in remote control systems.

- ◆ A transmission word of the Encoder is transmitted to the DATA OUT pin and R2 consecutively, after a trigger is received.

The trigger signal occurs on the DATA 1-DATA 2 pin.

- ◆ This transmission word (binary) is applied to the base of TR Q2 of LC type ASK MOD. oscillation circuit.

- ◆ The RF oscillation circuit consists of Alternated Collpitts type (Q2, C2~5, CV1, L2 Inductor) which operates the 300Mhz frequency band.

The Modulator Signal is transmitted to Rod Antenna via filter C6-C7.

The Frequency of 300Mhz is finely adjusted by trimmer capacitor C2.