Circuit Description of 0333 Receiver and Transmitter

The signal flowing of Transmitter:

At usual time, the IC coding signal are sent to R5 and the carrier frequency vibrating signal are sent to L6 for coupling respectively, then the signal is sent to Q1 for modulating & magnifying, C3 for coupling and L1 for inducting. And then sent to transmitting antenna finally.

The signal flowing of Receiver:

When the signal is received by the antenna, it will coupling via C1 followed by L2,C3 for frequency choice. the receiver oscillating and regenerated signal is coupled by R3,C7. then input to inverter via IC pin14, output via IC pin15 followed by IC pin16, the 2nd inverter input pin. The signal is output via IC pin1 and sent though R3 to IC pin3 for demodulating, and output though functions pins finally.

IC pin10 output 'forward' (high voltage) signal, then Q3 output positive voltage and Q5 output negative voltage via R13 and Q6 conduct, then the motor is working and vehicle go forward.

IC pin11 output 'backward' signal and pin6 and pin7 output 'turn left ' and 'turn right' signal respectively. The working mode of these signals is like 'forward' signal.