

**FISHER-PRICE
TOY #2911 RC STUNT ROADWAY (27MHz)
TRANSMITTER CIRCUIT DESCRIPTION**

TRANSMITTER:

F.C.C I.D. #: CCT 72911-27TX

MODEL #: 72911

F.P. SCHEMATIC #: 2911txB.SCH

The transmitter is an Amplitude Modulated system operating at 27.145MHz with a modulation frequency of approximately 350Hz. R7,Q3,R8,C12,R10,C11,Q4,R9 form the astable multivibrator which acts as the modulation source for the transmitter. The supply voltage to the modulation source is decoupled of r.f. frequencies by R5,C10,C9.

X1,Q2,R4,C7N,T2,C5N,C8,R6 comprise the third overtone crystal oscillator. T2 is adjusted for minimum harmonics. C4,R1,Q1,C2N,T1,C1N,L1,C13 form the R.F. driver. L1 is adjusted to peak r.f. output with minimum harmonics. R3,Q5,R2 modulate the output driver at the modulation frequency. The transmitter is powered up by momentary switch SW1. A 9.0V battery provides the system supply voltage.