STUNT PACK TRUCK # 97577 49.860MHz RECEIVER OPERATIONAL DESCRIPTION

The Stunt Pack Truck is a full function radio controlled toy truck. It operates on 3 volts supplied by two 1.5 volt alkaline AA batteries. It is designed to operate on a single fixed frequency in the 49.82-49.90 MHz band. See the attached block diagram and schematic.

The modulated RF signal from the transmitter induces an electrical signal into the truck's permanently attached internal wire antenna . The electrical signal is selectively amplified by a super regenerative input circuit (Q1,L3,L4,C2-C6). The signal is then capacitively coupled ($via\ C7$) to an integrated circuit (U2) were the signal is further amplified and decoded. A pair of digital outputs from the integrated circuit (U2) drives a full H-bridge drive circuit (U2, U3, U

All tuning and verifications are performed by the manufacturer and there are no adjustments which can be made by the user. No external ground is required or used with this receiver.

Stunt Pack Truck 49.860 MHz Mattel Part # 97577 Receiver FCC ID: APB97577-01A4R 09/17/01