

May 23, 2006

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RE: Certification for TRW TPM '07 Receiver

Model #: 89760-0C010

89760-0C020

FCC ID: GQ4-37R

Canada IC: 1470A-9R

PRINCIPLES OF CIRCUIT OPERATION

The receiver used is a superhetrodyne receiver. The main receiver component uses the TDA52XX series of receiver chips. A low noise amplifier is incorporated prior to the receiver chip to increase the sensitivity. A SAW filter is used to provide selectivity to the receiver. A special detector circuit was developed to allow signal fluctuations due to the rotation effects of the sensor in the tire.