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RE: Certification for Honda MY08 FSK Baseline TPM Sensor

Model #: 217652-101
FCC ID: GQ4-36T
Canada IC: 1470A-17T

GENERAL DESCRIPTION

This transmitter is a transmitter device with tire valve, which is mounted in the valve hole of the wheel rim and transmits the pressure and temperature inside the tire, the battery voltage of the transmitter, and the tire identification code (ID) at normal and abnormal condition with the radio wave (RF) that conforms to the used area. Also this device has a countermeasure function such as the random delay of transmission time so that the RF signal from each tire will not interfere due to the simultaneous transmission. The transmitter device also has a Low Frequency (LF) detector. This detector supports Low Frequency (LF) magnetic field communications allowing the changing of measurement/monitoring states of the transmitter by commands sent via the TPM diagnostic tool. The RF signal operates at 315MHz and uses FSK Manchester code modulation. 217652-101 transmits 5 RF packets every 1 minute.

Description of Operation

P/N	Consumer's Use Mode	Mfg. Modes	Mode of Operation	Explanation	Frequency of Transmission
217652-101	X		Storage Mode	No transmission. Measures temperature and acceleration.	5 words upon LF activation
217652-101	X		Normal Mode	Measures temperature and pressure. Transmits periodically. Enters this mode from storage when pressure goes above threshold.	5 words every 1 minute, 5 words if LF activation occurs
217652-101	X		Alert Mode	Transmits when: a) significant pressure delta detected b) high temperature is detected	10 words every 4 seconds for 1 minute
217652-101		X	No RF mode	Measures temperature and pressure.	No transmissions occur in this mode