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RE: Certification for Honda MY08 ASK Baseline TPM Sensor

Model #: 217652-103
FCC ID: GQ4-34T
Canada IC: 1470A-15T

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 such as 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 and configuration tool. The RF signal operates at 315MHz and uses ASK Bi-phase modulation. 217652-103 transmits 4 RF packets every 1 minute.

Description of Operations

P/N	Consumer's Use Mode	Mfg. Modes	Mode of Operation	Explanation	Frequency of Transmission
217652-103	X		Storage Mode	No transmission. Measures temperature.	4 words whenever LF activation occurs
217652-103	X		Normal Mode Stationary	No transmission. Measures temperature and pressure. Enters this mode from storage after a valid LF activation occurs.	4 words whenever LF activation occurs
217652-103	X		Normal Mode rolling	Measures temperature and pressure. Transmits periodically. Enters this mode from Normal Mode Stationary when acceleration goes above threshold.	4 words every 1 minute, 4 words LF activation occurs
217652-103	X		Alert Mode	Transmits when: a) significant pressure delta detected b) high temperature is detected	8 words every 4 seconds for 1 minute