

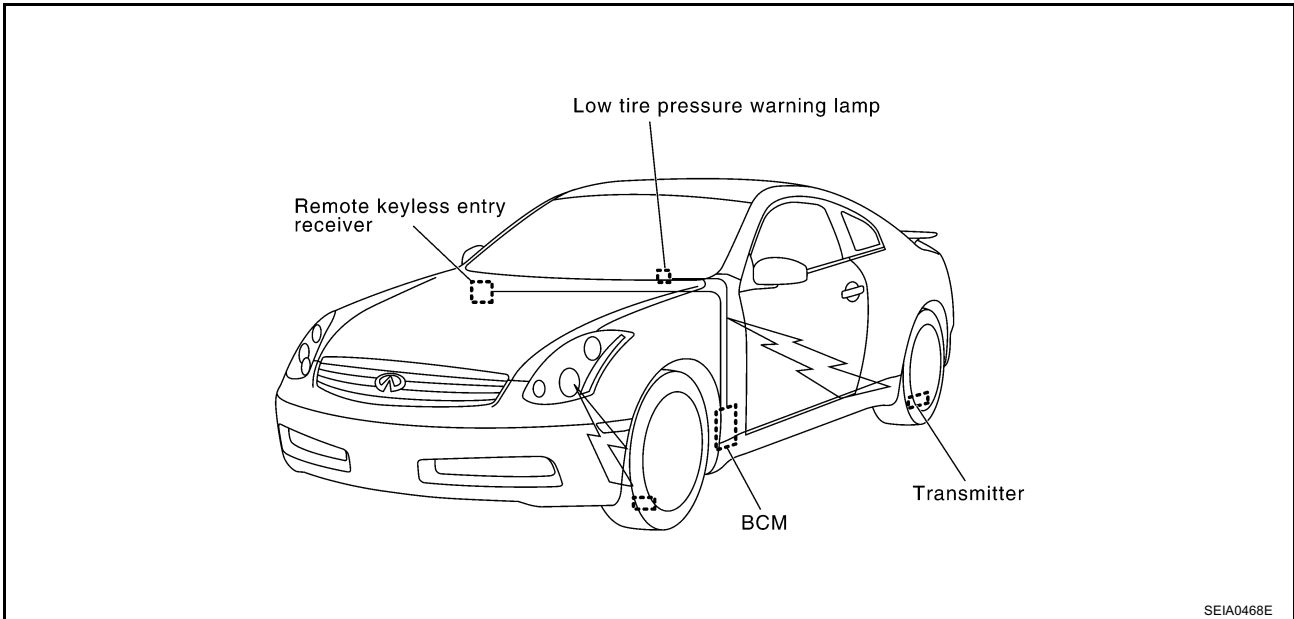
LOW TIRE PRESSURE WARNING SYSTEM

LOW TIRE PRESSURE WARNING SYSTEM

PF4:40300

System Components

AES00107

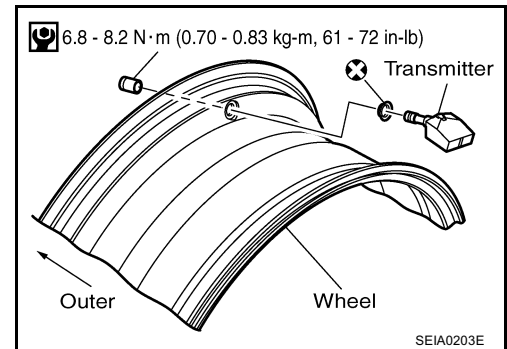


System Description

TRANSMITTER

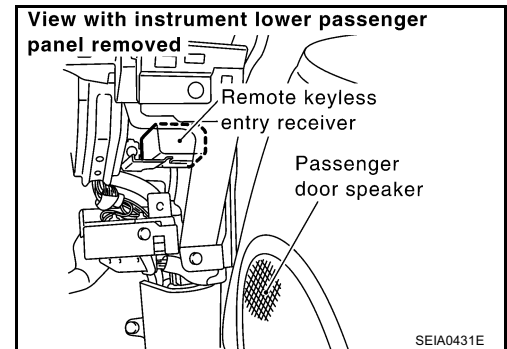
AES00108

A sensor-transmitter integrated with a valve is installed on a wheel, and transmits a detected air pressure signal in the form of a radio wave.



REMOTE KEYLESS ENTRY RECEIVER

The remote keyless entry receiver receives the air pressure signal transmitted by the transmitter in each wheel.



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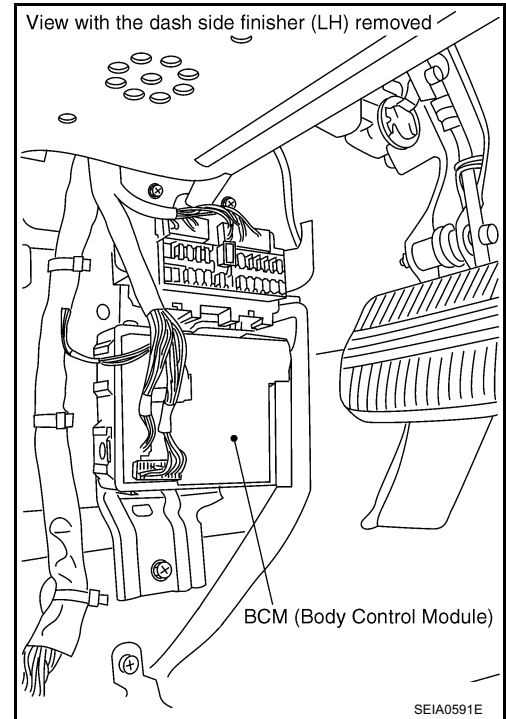
BCM (BODY CONTROL MODULE)

The BCM reads the air pressure signal received by the remote keyless entry receiver, and controls the low tire pressure warning lamp and the buzzer operations as shown below. It also has a judgement function to detect a system malfunction.

Condition	Warning lamp	Buzzer
Less than 171 kPa (1.71 kg/cm ² , 25 psi) [Flat tire] (Note 1)	ON	Sounds for 10 sec.
Less than 194 kPa (1.94 kg/cm ² , 28 psi) [Flat tire] (Note 2)		
System malfunction	ON	OFF

Note 1: Standard air pressure is for 210 kPa (2.1 kg/cm² , 30 psi) vehicles.

Note 2: Standard air pressure is for 240 kPa (2.4 kg/cm² , 35 psi) vehicles.



LOW TIRE PRESSURE WARNING LAMP

The combination meter receives tire pressure status from the BCM using CAN communication. When a low tire pressure condition is sensed by the BCM, the combination meter low tire pressure warning lamp and buzzer are activated.

