

SERVICE BULLETIN		
To:	All Dealers	Reference SB0297 Issued: 14th July 2009
For the attention of:	Service Manager/After Sales Manager	
Please copy to:	The Dealer Principal The Warranty Administrator Aston Martin Technician(s) The Parts Manager	
Model:	All Vehicles	
VIN Range:	All Vehicles with TPMS Installed	Page 1 of 3
Subject:	Tyre Pressure Monitoring System (TPMS) Warning Light Operation	

Reason for this Service Bulletin

This Service Bulletin has been issued to give you data about the correct function of the Tyre Pressure Monitoring System (TPMS).

Normal Operation of the TPMS

Note: *The TPMS unit is under the glove box. You do not usually need to do a check of the unit unless there is either a “Check Tyres” or “Tyre System Fault” warning in the Driver’s Information Module (DIM) display.*

Key to Figure 1

1. System Light
2. Tyre Indicator Light – Left Rear Tyre
3. Tyre Indicator Light – Right Rear Tyre
4. Tyre Indicator Light – Left Front Tyre
5. Tyre Indicator Light – Right Front Tyre

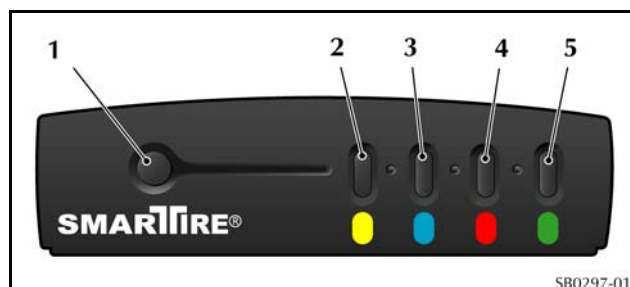


Figure 1

1. **Initialisation** (the first 1-2 seconds after the ignition is set to on).
During Initialisation, the system light and the four tyre indicator lights flash in different colours (refer to Figure 2).

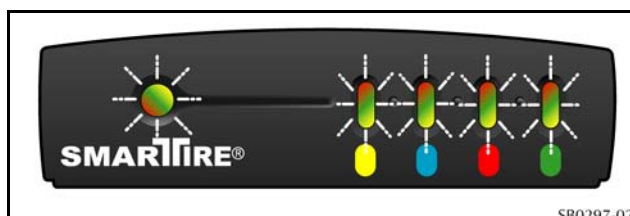


Figure 2

2. TPMS signal search (until the start of driving)

When the TPMS system starts to look for the tyre pressure signals of the four wheels, the system light and the four tyre indicator lights flash amber (refer to Figure 3).

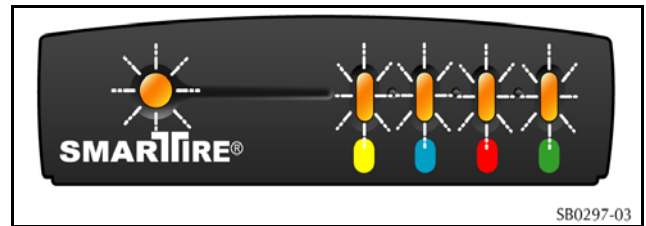


Figure 3

As the pressure signals of the tyres are received the related LEDs go off (refer to Figure 4 and Figure 5).



Figure 4

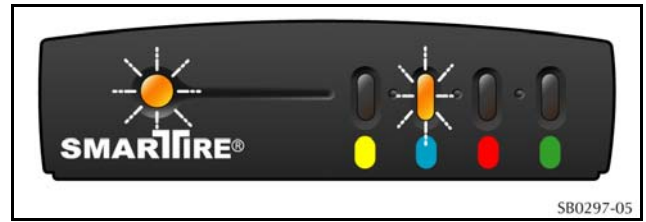


Figure 5

3. Normal Operation (during driving with no faults).

When all of the pressure signals are being received, all of the tyre indicator lights go off and the system light changes to green.



Figure 6

TPMS Operation – Error Conditions

Note: *If the vehicle does not move for 20 minutes with the ignition on or the engine in operation, the tyre pressure warning lamp will come on and the DIM will show a “Tyre System Fault” message. The message and the lamp should go off when the vehicle moves at more than 10 kph (7 mph) for a few minutes (20 minutes maximum). If they do not, examine the system for faults.*

Note: *If the engine is started before the “Power, Beauty, Soul” message has completed in the DIM, “Tyre System Fault” can be displayed for a short time.*

If there are no faults, the TPMS system shows the indications in Figure 6. If a fault is found by the system, the tyre warning lamp  in the DIM will flash for approximately 75 seconds and then stay on.

If the TPMS system shows a fault that follows, or another fault that is not shown, complete a TPMS Error Report Sheet.

The DIM Display shows “Check Tyres” and the  warning lamp stays on.

- Examine the tyres for punctures or damage
- Do a check of the tyre pressures.

1. If a Tyre Indicator Light stays on red (refer to Figure 7)

The tyre pressure is low (25% below normal) in the related tyre.



Figure 7

2. If a Tyre Indicator Light flashes red (refer to Figure 8)

The tyre pressure is very low (50% below normal) in the related tyre.



Figure 8

The DIM Display shows “Tyre System Fault” and the  warning light flashes.

This shows that there is a system fault.

1. If the System Light is red (refer to Figure 9)

There is a TPMS module failure. Replace the TPMS module.



Figure 9

2. If the System Light flashes amber and a tyre Indicator Light is amber (refer to Figure 10)

There is a tyre transmitter fault. Replace the tyre transmitter.



Figure 10

If you have any queries related to this Service Bulletin, please contact: Aston Martin Technical Services on: +44 (0) 1926 644720 or facsimile: +44 (0) 1926 644733.

E-mail: amtech@astonmartin.com. Or contact your After Sales Manager.

The English version of this Service Bulletin is written in Simplified Technical English to ASD STE-100™.