



What is **TPMS**

What's that all about?

MAW autocentre

*The old pit baths Welshcroft Close
Off Southwell Lane Kirkby in Ashfield
NG17 8EP Tel:01623 759955*

***TPMS** The Complete Programme Provider*

In partnership with We Sell Tyres / Schrader / Autogem UK



About our Partners

- *Supplying over 5,000 parts to leading multi-site automotive, agricultural and industrial organisations across the UK and Europe.*



What is TPMS?

- *Legislation effective November 2012 states that all newly homologated vehicles must be fitted with TPMS*
- *TPMS are systems that are fitted to vehicles to report low/high tyre pressures*
- *Standard snap in valves will eventually be phased out*
- *Massive impact on new vehicle market especially effecting fleet vehicle maintenance from 2012*

What vehicles have it?

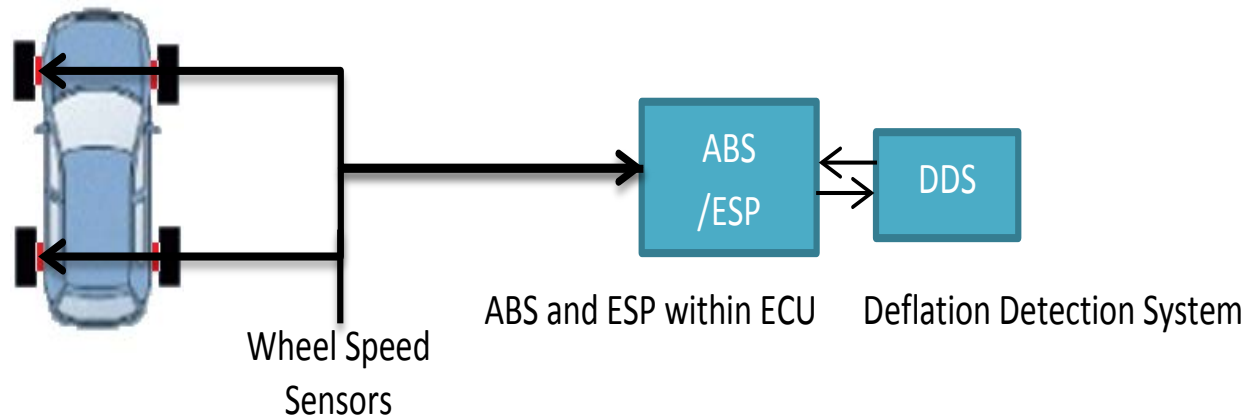
- *TPMS is currently fitted in some form to around 3 million vehicles in the UK*
- *TPMS fitted to many French vehicles for over 10 years*
- *Popular vehicles today include Chrysler 300c, Mazda 6, Ford Galaxy, S-Max, Mondeo, Vauxhall Astra, Insignia and many more!*
- *MOT legislation effective January 1st 2012*
- *Mandatory fitment on NEWLY APPROVED vehicles effective 1st November 2012 and all NEW vehicles by 1st November 2014*
- *Market anticipated to cover over 8 million vehicles by 2015*

What Does **MAW** offer you?

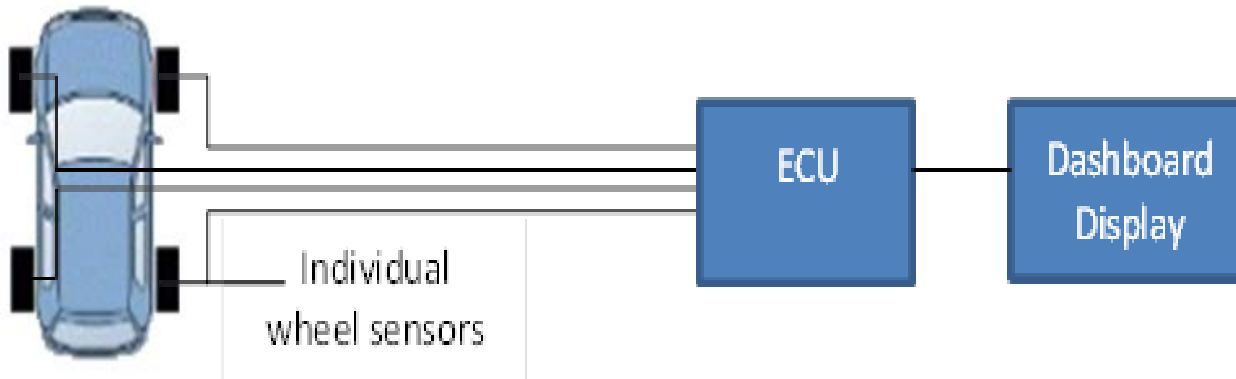
- *The Most Comprehensive and Evolved TPMS Programme in the Industry*
- *Heavily focused on TRAINING & TECHNICAL SUPPORT*
- *Supported by ALL THREE key sensor manufacturers and the world's leading manufacturer of line-side activation equipment*
- *Independent view of the TPMS industry = impartial trustworthy service & support*
- *A trained retail site with accreditation within the Schrader TPMS Expert Scheme*
- *Recognised as an industry leading business for TPMS*
 - *Our partner company was the only UK Business Invited to EZ-Sensor Launch (USA)*
 - *Our partner company is the Technical Advisor for NTDA Service Bulletins*
 - *Our partner company was Invited to present TPMS seminars at Mechanex Shows in 2011 in some form*

Types of TPMS

Indirect TPMS



Direct TPMS



MAW can help YOU with:

1. Replacement Sensors

2. Service Kits

3. Reset Facilities

4. Aftermarket Kits

5. Sensor Cloning Facilities

We are able to 'SERVICE' all functioning tpms sensors

Most Importantly – We can help YOU in a TPMS emergency!

Identifying and Inspecting TPMS

- *TPMS valves need to be inspected prior to tyre work commencing as damaged valves may break when service work is attempted*
- *TPMS valves are either Clamp-In or Rubber Snap-In*
- *Snap-In TPMS valves have a visible brass shoulder and do not flex like standard snap-in valves*
- *Also look for:*
 - *Metal Valve Caps / Seized Valve Caps*
 - *Brass Cores / Corroded Cores*
 - *Corrosion to Nut / Stem*
 - *Damage to Sensor*



MAW Replacement Sensors

- *If the TPMS valve is damaged, badly corroded or faulty it will need replacing*
- *All sensors have batteries that eventually fail*
- *Main dealers do not necessarily have stock of sensors*
- *In some cases, main agents charge extra for fitting components for certain vehicle Marques*



MAW Service Kits

- *All TPMS valves should be serviced **every time a tyre** is repaired or replaced*
- *This may be by way of a new core and cap, a service kit or a replacement Clamp-In/Snap-In stem*
- *Servicing the valves will allow you to maintain the safety of occupants*



Dealer Typical Reset Charges

- *Chrysler - £90*
- *Citroen - £100*
- *Ford - £55*
- *Peugeot - £90*
- *Renault - £65, £45 System Deactivation*
- *Toyota - £230 (4 Sensor Reset)*
- *Prices exclude the cost of sensors and often does not include fitments or stem kits... plus vat!*

MAW Aftermarket Kits *From only! £220.00*

We are able to supply retro-fit kits to enable customers to improve:

- *MPG fuel usage*
- *Safety*
- *Comfort*



*By maintaining their tyres
at the optimum pressures
MAW Kits are all O.E. parts*



MAW uses only accredited data and products

TPMS Service Consumables

TPMS Service Kits

The consumable components of TPMS sensors should be replaced each and every time the tyre bead is broken (as per manufacturer recommendations). Autogem offer 15 convenient service kits which include all of the components required to service the applicable TPMS sensors. These service kits allow an instant opportunity to service TPMS sensors at a reasonable cost, allowing you to recoup the lost revenue from standard snap-in valve replacements. We are also offering an industry exclusive BERU compatible service kit making this the most comprehensive range available in the market today.

Autogem Part Number	Description	Nb. Of Kits
TPMS003	Service Kit For Stern TPMS073L, 073M, 073T, 073H, 073B	1
TPMS004	Service Kit For TPMS003A	10
TPMS005	Service Kit For TPMS003B	10
TPMS006	Service Kit For TPMS003C	10
TPMS007	Service Kit For TPMS003D, 003E, 003F, 003G, 003H, 003I, 003J, 003K, 003L, 003M, 003N, 003O, 003P, 003Q, 003R, 003S, 003T, 003U, 003V, 003W, 003X, 003Y, 003Z	10
TPMS008	Service Kit For TPMS003A, 003B, 003C, 003D, 003E, 003F, 003G, 003H, 003I, 003J, 003K, 003L, 003M, 003N, 003O, 003P, 003Q, 003R, 003S, 003T, 003U, 003V, 003W, 003X, 003Y, 003Z	10
TPMS009	Service Kit For TPMS003A, 003B, 003C, 003D, 003E, 003F, 003G, 003H, 003I, 003J, 003K, 003L, 003M, 003N, 003O, 003P, 003Q, 003R, 003S, 003T, 003U, 003V, 003W, 003X, 003Y, 003Z	1
TPMS010	Service Kit For TPMS003A, 003B, 003C, 003D, 003E, 003F, 003G, 003H, 003I, 003J, 003K, 003L, 003M, 003N, 003O, 003P, 003Q, 003R, 003S, 003T, 003U, 003V, 003W, 003X, 003Y, 003Z	1
TPMS011	Service Kit For TPMS003A, 003B, 003C, 003D, 003E, 003F, 003G, 003H, 003I, 003J, 003K, 003L, 003M, 003N, 003O, 003P, 003Q, 003R, 003S, 003T, 003U, 003V, 003W, 003X, 003Y, 003Z	10
TPMS012	Service Kit For TPMS003A, 003B, 003C, 003D, 003E, 003F, 003G, 003H, 003I, 003J, 003K, 003L, 003M, 003N, 003O, 003P, 003Q, 003R, 003S, 003T, 003U, 003V, 003W, 003X, 003Y, 003Z	10
TPMS013	Service Kit For TPMS003A, 003B, 003C, 003D, 003E, 003F, 003G, 003H, 003I, 003J, 003K, 003L, 003M, 003N, 003O, 003P, 003Q, 003R, 003S, 003T, 003U, 003V, 003W, 003X, 003Y, 003Z	1
TPMS014	Service Kit For TPMS003A, 003B, 003C, 003D, 003E, 003F, 003G, 003H, 003I, 003J, 003K, 003L, 003M, 003N, 003O, 003P, 003Q, 003R, 003S, 003T, 003U, 003V, 003W, 003X, 003Y, 003Z	10



TPMS Service Spares

Certain sensors are fitted with replaceable valve stems which are colour coded by length. These, along with a number of other accessories are all available separately to aid the servicing of valves when a service kit is not required or suitable. Our trained staff are able to advise you on the specific nuances of each sensor and stem so that you are fully aware of the service opportunities available.



Autogem Part Number	Description	Pack Size
TRV401N	Valve Stem/Tube - Adapted for TPMS	100
TRV403	TPMS Plastic Sealing Cap - Adapted for TPMS	100
TRV501	Alloy-RED-001 (Green) Stem, Nut, Seals & Washers for Stern Sensors	1
TRV502	Alloy-RED-002 (Green) Stem, Nut, Seals & Washers for Stern Sensors	1
TRV503	Alloy-RED-003 (Black) Stem, Nut, Seals & Washers for Stern Sensors	1
TRV504	Alloy-RED-004 (Orange) Stem, Nut, Seals & Washers for Stern Sensors	1
TRV510X	TPMS Snap-In Valve Stem (Red Cap & Seal)	10
TRV510C	TPMS Snap-In Valve Stem (Red Cap & Seal)	10
TRV511X	TPMS Snap-In Valve Stem (Red Cap & Seal)	10
TRV511C	TPMS Snap-In Valve Stem (Red Cap & Seal)	10

TPMS Hand Tools

You only need 3 extra hand tools to complete the servicing and replacement of TPMS sensors. These tools have been developed to maintain the integrity of the systems, ensuring everything is tightened to the correct torque, thereby avoiding air leaks and providing a duty of care for your customers.

Autogem Part Number	Description	Pack Size
TPM01	Cable Torque Tool - Torque Range 0-10 Nm	1
TPM02	General Tool	1
TPM03	Torque Screwdriver 1/4" Hex 10 Nm - Torque Range 0-10 Nm	1
TPM04	Replacement 1/4" Hex 10 Nm for TPM03	1
TPM05	Replacement 1/4" Hex 10 Nm for TPM03	1



With the right tools you can complete ANY sensor replacement & service. Autogem offer THREE tools that will cover ALL your needs. Before you spend money on TPMS hand tools make sure they are up to the job. Not all available tools are calibrated to the correct torque settings. Be Careful!



MAW Expertise Includes:

- *Sensor Awareness*
- *Sensor Handling*
- *Sensor Diagnostics (tool dependent)*
- *Service Kit Replacement*
- *ECU Reset Procedures (tool dependent)*
- *Training & Reference Guides*
- *Technical Bulletins*

*Our partners have the UK's largest team of TPMS experts with vast experience, so that moves onto us at **MAW** as YOUR support*

MAW Unrivalled Technical Support

- *Unrivalled technical support knowledge*
- *Preferred partner status with the sensor manufacturers so if we don't have the answer we can find it*
- *Regular product awareness bulletins and tool software updates*
- *Industry leading application charts*
- *Training manuals and charts are supplied to ensure you have all the best information and expertise applied to work on your vehicle*

MAW

Unrivalled 'TPMS' Technical Support

Thank You!

A presentation for **MAW** Autocentre Kirkby in Ashfield

by Roy Nixon BSc Aug 2013 WST, Schrader & Autogem
TPMS Technical Expert and authorised trainer distributor

