

TPMS-GUIDELINE



UNIVERSAL SENSOR

The BH SENS IntelliSens Universal Sensor is equipped with a multitude of protocols and needs only to be programmed. With the update function, the IntelliSens Sensors can also be used for future vehicle protocols by using a TPMS diagnostic tool.

Create ID: The sensor will be activated for the specific car with a diagnostic tool. The sensors have to be re-learned to the control unit of the vehicle.

Copy or clone ID: With a diagnostic tool the protocol and the sensor ID will be transferred to the universal sensor. No re-learn procedure is needed.

OE REPLACEMENT SENSOR

On the RDE OE Replacement Sensor the car specific protocol is already installed. There is no need to program the sensors, because the RDE sensors already fit to the specified vehicle. Please check the re-learn procedure for your specific vehicle.



LEGISLATION IN EUROPE

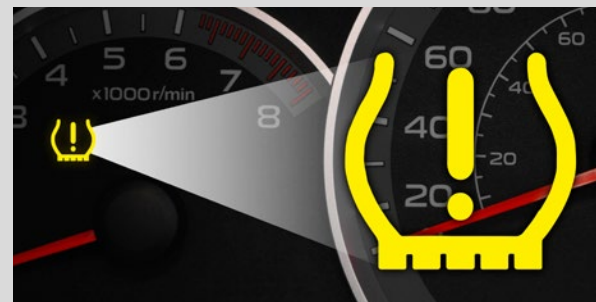
In Europe, regulation ECE-R 64 specifies that all vehicles registered since November 2014 must be equipped with tire pressure monitoring systems. Since July 2022 they are also legally mandatory for newly homologated commercial vehicles, buses, trailers and semi-trailers. From 2024 all newly registered commercial vehicles must be equipped with TPMS.

DIRECT AND INDIRECT SYSTEMS

Direct measurement tire pressure monitoring systems record the tire pressure and tire temperature in every wheel. Both are transmitted to a control unit. Direct systems can detect and show slow losses as well as rapid loss of pressure.

Indirect measurement tire pressure monitoring systems do not record the tire pressure, but evaluate the signals of the wheel speed sensors. There are no TPMS sensors installed.

Note: Two thirds of the new registered vehicles are equipped with a direct measurement tire pressure monitoring system.





BH SENS IntelliSens Sensors are Made in Germany.

RE-LEARN PROCEDURE

Whether you use an RDE OE sensor or the IntelliSens Universal Sensor you need to check the re-learn procedure for your specific vehicle.

Automatic re-learn procedure: The sensors are recognised by the vehicle automatically.

OBDII: The re-learn procedure for the sensors with the diagnostic tool can also be done by OBDII plug.

Manual re-learn procedure: The parking vehicle has to be transferred to re-learn mode. By command the sensors are re-learned to the control unit. Therefore a diagnostic tool is needed.

SERVICE/MOUNTING PROCESS

1. Check whether the vehicle has a direct TPMS
2. Create an initial customer report (check sensors and valves)
3. Ensure that the wheel positions of the old and new sensors match
4. Sensors/valves mounted professional
5. Program the universal sensors/clone OE-sensors
6. Finish with re-learn procedure

Note: The BH SENS IntelliSens Universal Sensors are mounted on to the rim with 4 Nm (35 in-lbs).

The daily updated vehicle coverage is available at your distributor, in our TPMS reference list, in TecDoc or in our Product Finder at www.products.intellisens.com



DIAGNOSTIC TOOL

- check through the tire wall if sensors are installed (create a protocol)
- technical information (part no., tightening torque, re-learn procedure)
- OBDII connection for re-learn procedure
- program universal sensor

Note: Make sure that the software on your diagnostic device is up to date.

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Product Finder



www.intellisens.com