

## Precaution

- Hold the torque wrench carefully and keep it straight so that sideways pressure is not being applied to the valve body.
- Hold the sensor unit carefully and keep it straight so that sideways pressure is not being applied as the valve securing nut is tightened.
- Tighten the valve securing nut in a slow and controlled manner and stop applying pressure immediately the torque wrench clicks. Tightening too quickly will result in an inaccurate final torque figure.

## Care Points

After using the wrench, unlock and turn the adjuster to the lowest setting for storage. Take care not to turn the adjuster lower than the minimum torque setting or the mechanism may be damaged.

Take care of the torque wrench and keep it clean; return all components to box when not in use.

Do not store in areas of high temperatures or humidity.

Never use the torque wrench to tighten a fastener to a higher torque than the maximum reading on the scale.



**Safety First. Be Protected.**



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## Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186**. Normal wear and tear are excluded as are consumable items and abuse.

## Butts of Bawtry

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# LASER®

## TPMS Tool Kit

### Tyre Pressure Monitoring Systems

## Instructions

Tyre Pressure Monitoring System set that contains tools required to correctly mount the TPMS sensor to the wheel rim. Use the 1/4"D torque wrench to tighten TPMS sensor valve nuts to specific torque setting. T20 bit to be used when tyre valve is detachable from sensor.

Set in foam for security and supplied in plastic box with clear lid.

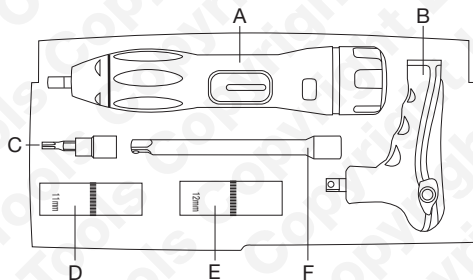


## Components

The set includes:

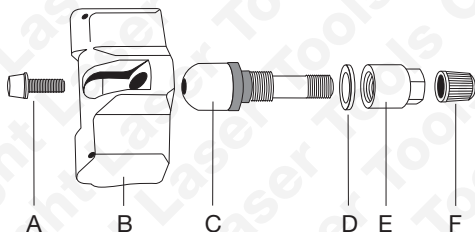
- A** Torque Wrench 2 - 10Nm
- B** ¼"D T-handle
- C** 100mm extension bar
- D** 12mm deep socket
- E** 11mm deep socket
- F** ¼"D T20 socket/bit

During operation, when the preset torque is reached, the torque wrench will 'click' and disengage to indicate that the selected torque tensioning has been reached.



Sensor Components:

- A** Mounting Screw
- B** TPMS Sensor
- C** Valve (c/w seal | grommet)
- D** Spacer Ring
- E** Securing Nut
- F** Valve Cap



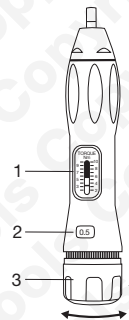
## Operation

Always refer to the manufacturer's instructions/documentation before attempting to remove or refit a TPMS sensor.

Refer to diagram 'Sensor Components' above. Some sensors have a detachable valve body; this is usually secured with a self-locking mounting screw (A) - the ¼"D T20 socket/bit is supplied for this screw.

Torque Wrench Components:

- 1** Indicator (Nm)
- 2** Indicator (tenths)
- 3** Lock/Adjuster



Refer to diagram 'Torque Wrench Components' above. The torque wrench is used when refitting or fitting a new sensor to the wheel rim. Refer to manufacturer's documentation for the correct torque figure for the valve securing nut (**E** in 'Sensor Components' diagram).

To set the torque wrench:

1. Pull the lock/adjuster (**3**) down to free the adjuster.
2. Turn adjuster clockwise to increase (anti-clockwise to decrease) the tension setting.
3. Set the Nm indicator (**1**) and then fine tune the setting by referring to the tenths indicator (**2**) — the correct setting is when the figure (eg: 0.5) is displayed in the centre of the indicator window.
4. Push lock/adjuster (**3**) up and fully home to lock the setting.
5. Attach ¼"D T-handle to torque wrench and choose the correct deep socket (11mm or 12mm) for the valve securing nut.