



TIRE DISMOUNTING GUIDELINES

SCOPE AND SUMMARY:

This document outlines the guidelines for the tire dismounting with EnTire/TRW TPM sensors. This document does not cover any other TPM sensors.

- Statement of procedure
- Step 1 Tire deflation
- Step 2 Outer bead unseating
- Step 3 Inner bead unseating
- Step 4 Wheel clamping
- Step 5 Sensor location
- Step 6 Outer bead dismounting
- Step 7 Inner bead dismounting

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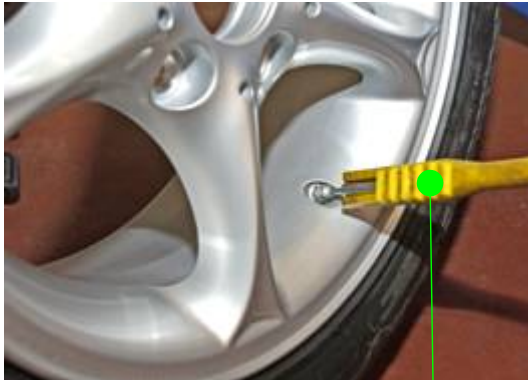
The following pages are the EnTire recommendations for tire removal process. To avoid possible sensor damage, it is important to:

1. Maintain the sensor orientation with the wheel and the equipment mounting head.
2. If wheel / Tire slippage occur, stop and re-orientate the sensor location with the equipment.

Other sensor removal techniques such as the “valve push through” practice requires additional care as to prevent damage to the sensor.

The sensor assembly must be inspected for damage and verified operational when reinstalled. EnTire reuse Guidelines for replacement part kits must still be followed.

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Valve core remover

1

Remove the valve cap and the valve core from the valve stem with a proper tool to completely deflate the tire. Then, remove the balancing weights (clipped or glued)



Valve

2

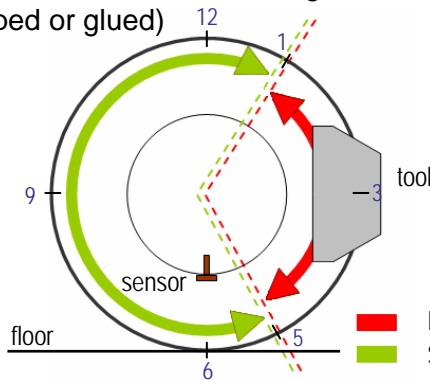
Unseat the tire beads starting with the one closer to the drop well (in most cases, it is the bead on the valve side of the wheel). The sensor has to be located away from the tool as per this drawing. If beads are stuck it might be necessary to re-apply tool several times. If this occurs, position the sensor successively at 6, 9 and 12 o'clock before applying the tool to avoid sensor damage



Valve

3

Using the same process as step 2, unseat the second tire bead. But first, apply lubricant on the inner bead and rim since this won't be convenient once the wheel will be on the table.



- Do not place the sensor within this angular position
- Sensor recommended angular position

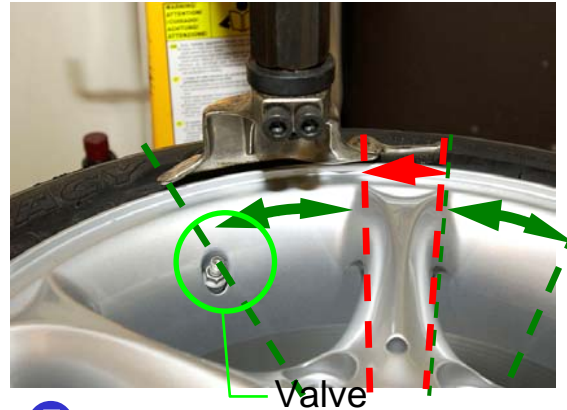
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4

Place the curb side of the wheel up and clamp the wheel onto the installation machine as shown on the picture. Then, lubricate the outer tire bead and the rim. If possible avoid lubricant coming into contact with sensor housing.



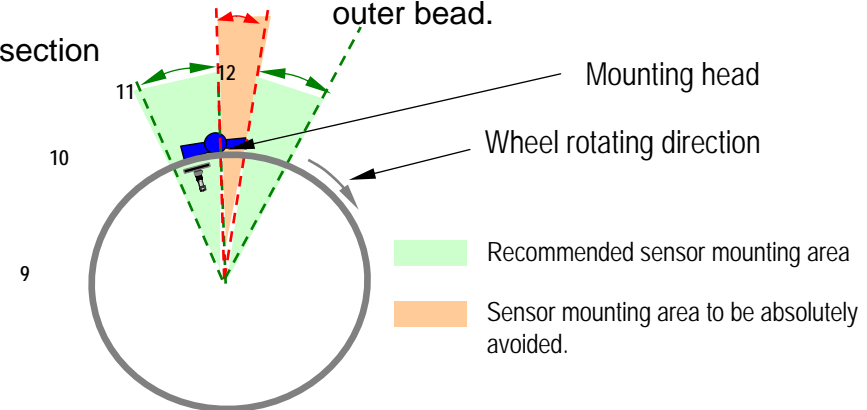
5

Align the valve with the left side of the mounting head as shown above or place the valve in the same position as the green angular section of the drawing so neither the lever nor the tire bead will damage the sensor.



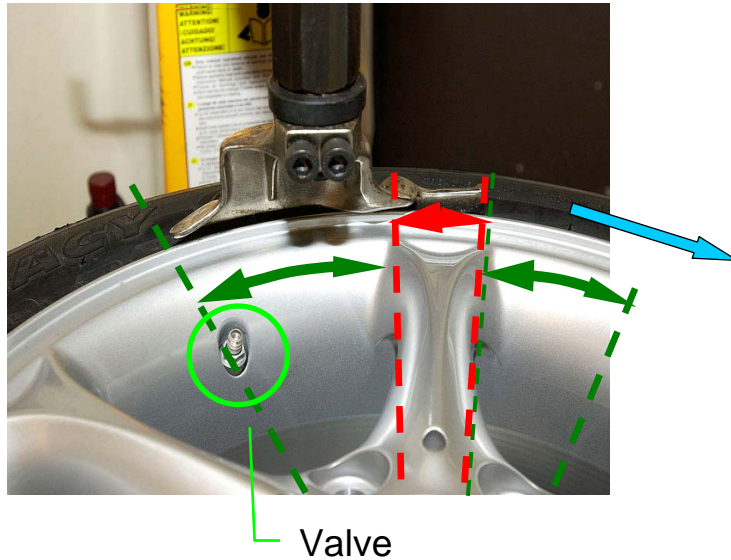
6

Insert the lever and lift the outer bead onto the mounting head. Rotate the table to dismount the outer bead.



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7

Re-position the valve as in step 5 and then insert the lever and lift the inner bead onto the mounting head. Finally, rotate the table to dismount the inner bead and remove the tire.

Another sharp green area is also acceptable for sensor positioning immediately on the right side of mounting head