


WARNING:

Izze-Racing is not liable for sensor damage incurred from this procedure. TTPMS sensors may be sent to Izze-Racing to have batteries serviced, sensors inspected, and calibrations verified for \$50 USD per sensor.

Replacement Battery: TADIRAN TLH-2450/P ([Online Suppliers](#))

BATTERIES FITTED WITH EPOXY:


- 1.) Heat bottom of sensor with heat gun for 30 seconds to flash heat and soften the epoxy around the battery. Set heat gun at 500° F / 260° C.

 Do not apply heat for more than 30 seconds or hot air temperatures greater than 500° F / 260° C. Sensor temperature should never exceed 100° C.





- 2.) After applying heat, pry battery out with flat head inserted in perimeter gap. Remove residual battery epoxy around the perimeter of the sensor, taking care not to scratch the PCB.




 Heat may need to be re-applied for 15 seconds to soften and remove residual epoxy. Do not remove epoxy around or near the PCB.

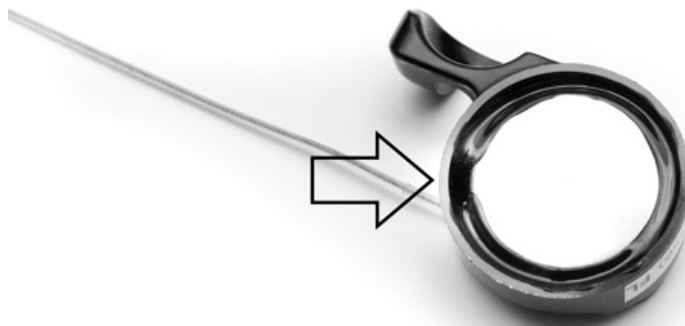
- 3.) Remove the white insulation wafer from the new battery (if applicable), **trim lead lengths to 4mm**, ensure battery pins are straight, clean battery & inner perimeter of sensor with IPA, and insert the new battery into the sensor.



-  Use tape to stick battery to finger, and align battery pins with finger for positioning reference to ease insertion process.
-  The TTPMS sensor will transmit (S/N > 0631) its Serial Number, Battery Voltage, Pressure, RSSI, Internal Temperature, and Node ID when a new battery is inserted.

- 4.) Apply a bead of epoxy (Resintech RT125 highly recommended) around the perimeter of the battery, leaving a 10-15mm gap at the position marked below for subsequent battery changes & pressure equalization.

-  Curing process may be accelerated to 1-2 hours by heating sensor to $\sim 70^{\circ}\text{C}$





BATTERIES FITTED WITH PEEK CAP:

- 1.) Insert a small flathead screwdriver between the PEEK cap and aluminum enclosure, prying gently by twisting the flathead in the sequence shown below. Repeat the sequence until the cap and battery release.



- 2.) Remove the white insulation wafer from new battery (if applicable), **trim lead lengths to 4mm**, ensure battery pins are straight, and insert the new battery into the sensor.



-  Use tape to stick battery to finger, and align battery pins with finger for positioning reference to ease insertion process.
-  The TTPMS sensor will transmit (S/N > 0631) its Serial Number, Battery Voltage, Pressure, RSSI, Internal Temperature, and Node ID when a new battery is inserted.

- 3.) Once the new battery is fitted, insert the PEEK cap with the arch cutout facing the side with the infrared sensor; i.e., the side opposite of the antenna – as pictured.

Once aligned, partially press the cap into the sensor using your fingers with light pressure. Flip the sensor upright on a flat surface and press down firmly on the sensor's enclosure (do NOT push on the infrared sensor). Once fully seated, the gap between the cap and enclosure is about 0.5mm.

