



A Keyfob will be developed for use in a Ford TPMS application to enable the end user/customer to manually re-learn the wheel locations on their vehicle. This will be achieved by activating a small keyfob type LF tool to put the sensors inside the wheels into learn mode.

The key fob will use a low frequency modulated protocol to activate the sensors by pressing a push button when the keyfob is located within a specified range of the sensor/wheel. This will initiate a series of learn blocks/frames to be transmitted from the sensor to the receiver located inside the vehicle to allow the TPMS ECU to re-learn the locations of each wheel when required.

The LF Tool will incorporate a single activation button with a visible indicator to show the user that the tool is operating correctly. The rear of the tool will have Velcro strips attached to enable the user to attach the LF tool to the inside the glove compartment in the vehicle when the tool is not being used. Internal to the case, the LF tool will include a coil for transmitting the data, a PCB with additional circuitry, a rubber membrane and a coin type battery.