

TPMS Sensor Relearn — 2025 Ford Ranger Raptor

Push-button ignition version • Augfiro pre-programmed sensors (315/433 MHz) • FIRSTOOL relearn tool

When to Use

- After installing new TPMS sensors
- After tire rotation or tire service
- When the TPMS warning light stays on

Before You Start

Your sensors are the Augfiro **pre-programmed** kit for Ford — this means they already have a valid Ford sensor ID/protocol written to them. You do **not** need a separate programming tool. You only need to run the relearn procedure below so the truck's module knows which sensor is in which wheel position.

Vehicle must be in Park, parking brake not required. Do not press the brake pedal during the ignition cycling steps below — brake + button = engine start, which is not what you want here.

What "RUN" Means on Your Raptor's Push-Button Start

Confirmed on your truck: with your foot off the brake, the Start/Stop button only toggles between two stages — no separate ACC stage. Repeatedly pressing it cycles:

Press #	Stage	What you'll see
1st press	ON / RUN	Full dash lights, gauges, chimes — engine OFF
2nd press	OFF	Dash goes dark
(cycle repeats)	→ ON/RUN → OFF → ON/RUN...	

"Turn ignition OFF → RUN three times, ending at RUN" means: reach the ON/RUN stage three separate times (toggling back to OFF each time), and stop the third time you're in ON/RUN — don't press the extra time that would take you back to OFF. This takes **5 button presses total**, not 3. Watch the dash light up fully each time rather than counting presses, so you don't lose track.

Step 1 — Enter TPMS Learning Mode

1. Shift to Park.
2. Press and release the brake pedal once.
3. Cycle the ignition using the Start/Stop button, watching the dash: Press → **ON/RUN (1st time)**. Press → OFF. Press → **ON/RUN (2nd time)**. Press → OFF. Press → **ON/RUN (3rd time) — stop here.**
4. Press and release the brake pedal again.
5. Press the Start/Stop button once more to turn the ignition OFF.
6. Repeat the same cycling sequence: Press → ON/RUN (1st). Press → OFF. Press → ON/RUN (2nd). Press → OFF. Press → ON/RUN (3rd) — stop here.

7. The horn beeps once and the TPMS indicator flashes — learning mode is now active.

Step 2 — Sensor Relearn (FIRSTOOL)

Go around the truck in this exact order — position matters: **Left Front** → **Right Front** → **Right Rear** → **Left Rear**.

1. Hold the FIRSTOOL tool near the valve stem (close to the rim), angled at roughly 90°.
2. Press and release the tool's button.
3. Horn beeps once = that sensor is recognized. Move to the next tire in the order above.
4. If a sensor doesn't chirp on the first try, don't restart Step 1 — just retry that single sensor, adjusting the tool's position closer to the stem.

Step 3 — Complete

After all four sensors have been relearned:

- Turn signals flash for about 3 seconds
- Horn beeps twice → relearn complete

Notes

- This tool activates and relearns existing TPMS sensors — it does not program blank sensors. (Not an issue for you: your Augfiro sensors are pre-programmed for Ford.)
- If the TPMS light stays on afterward, recheck tire pressures and either repeat the relearn or confirm the vehicle was actually in learning mode.
- Tool is powered by a 3V CR coin-cell battery, pre-installed, rated for up to 5 years.
- If the stationary relearn tool ever fails to pick up a sensor, a scan tool relearn via FORScan/OBDLink is a reliable fallback for Ford vehicles.