

DIAGNOSTIC FOCUS



CONFIDENCE IN EVERY CALIBRATION

As vehicles integrate more advanced safety and driver-assist systems, recalibration has become just as critical as traditional mechanical repairs. Modern modules rely on precise sensor inputs to maintain proper operation, and the Inertial Measurement Unit (IMU) is one of the most important components behind today's stability, safety, and ADAS features.

That's why our latest software release introduces an all-new guided recalibration procedure specifically for the Volvo® XC90 IMU—providing technicians with the support they need to perform this complex job accurately and confidently.

WHY RECALIBRATION MATTERS

The IMU is responsible for tracking vehicle motion, including acceleration, rotation, and pitch/roll movement. These measurements are used by multiple high-level systems, such as:

- Electronic Stability Control (ESC)
- Roll Stability Control (RSC)
- ADAS features like Lane Keeping Aid and Pilot Assist
- Traction and braking management systems



When the IMU is out of calibration—even slightly—drivers may experience warning lights, improper ADAS behavior, or reduced stability control. Replacements, suspension repairs, collisions, or even software updates can require an IMU recalibration. Performing that recalibration correctly ensures the vehicle can interpret its movement precisely and operate its safety features as intended.

WHAT'S NEW IN OUR SOFTWARE?

Our latest update adds a dedicated IMU Recalibration function for Volvo® XC90®. This new function helps eliminate the uncertainty that often surrounds recalibration work on complex platforms like Volvo's SPA architecture.

Snap-on® software gives technicians the clarity and confidence to work on advanced systems without guesswork. Whether you're servicing a repaired vehicle or preparing one for delivery, proper recalibration protects both the shop and the customer.



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