


TIRE PRESSURE MONITORING SYSTEM (TPMS) SENSOR LOCATION CALIBRATION

204-04B Tire Pressure Monitoring System (TPMS)
General Procedures

2020 Ranger

Tire Pressure Monitoring System (TPMS) Sensor Location Calibration

Special Tool(s) / General Equipment

 E244584	204-D081A (204-D081) Tire Pressure Monitor (TPMS)
Ford Diagnostic Equipment	

Programming

NOTE: The TPMS can be placed into learn mode using a diagnostic scan tool or manually where a diagnostic scan tool is not available.

NOTE: The horn will sound once and the TPMS indicator will flash if the training mode has been entered successfully. If equipped, the message center will display TRAIN Left Front (LF) TIRE.

1. **NOTE: Enter Training Mode With IDS Scan Tool**

1. Select Chassis.
2. Select TPMS .
3. Select Training Mode.
Use the General Equipment: Ford Diagnostic Equipment

2. **NOTE: Enter Training Mode With FDRS Scan Tool**

1. Select Toolbox.
2. Select BCM .
3. Select BCM – TPMS Initialization.
Use the General Equipment: Ford Diagnostic Equipment

Programming

NOTE: Enter Training Mode Without Scan Tool

1. **NOTE:** *The horn will sound once and the TPMS indicator will flash if the training mode has been entered successfully. If equipped, the message center will display TRAIN Left Front (LF) TIRE.*

With the ignition OFF, press and release the brake pedal.

2. Using the start/stop switch, position the ignition from OFF to RUN 3 times, ending in the RUN position.
3. Press and release the brake pedal.
4. Position the ignition to OFF position.
5. Using the start/stop switch, position the ignition from OFF to RUN 3 times, ending in the RUN position.

Programming

NOTE: TPMS Sensor Training Procedure

1. **NOTE:** *It may take up to 6 seconds to activate a tire pressure sensor. During this time, the special tool must remain in place at the valve stem.*

Place the special tool on the Left Front (LF) tire sidewall at the valve stem. Press and release the test button on the special tool. The horn will sound briefly to indicate that the tire pressure sensor has been recognized by the BCM .

Use Special Service Tool: 204-D081A (204-D081) Tire Pressure Monitor (TPMS) .

2. Within 2 minutes of the horn sounding, place the special tool on the Right Front (RF) tire sidewall at the valve stem and press and release the test button to train the Right Front (RF) tire pressure sensor.
Use Special Service Tool: 204-D081A (204-D081) Tire Pressure Monitor (TPMS) .
3. Repeat Step 1 for the Right Rear (RR) and Left Rear (LR) tires. The procedure is completed after the last tire has been trained. When the training procedure is complete, the message center (if equipped) will display TIRE TRAINING COMPLETE. For vehicles not equipped with a message center, successful completion of the training procedure will be verified by positioning the ignition to OFF without the horn sounding. If the horn sounds twice when the ignition is positioned to OFF, the training procedure was not successful.
4. Using the scan tool, locate the updated TPMS sensor identifiers trained to the BCM and document them on the applicable warranty claim.
Use Special Service Tool: 204-D081A (204-D081) Tire Pressure Monitor (TPMS) .
5. **NOTE:** *This step is required to clear DTC B1182:55, cause the BCM to exit the manufacturing mode and to make sure there are no other concerns with a newly programmed BCM .*

If the sensors are being trained due to the installation of a new BCM , clear any DTC and carry out the BCM On-Demand Self Test.
