2020 Mazda 3 AWD L4-2.5L (SKYACTIV-G)

FRONT SIDE/REAR SIDE RADAR SENSOR AIMING

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SM2337186

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Note

• The front side radar sensor aiming / rear side radar sensor aiming procedure stores the radar angles in the front side radar sensor / rear side radar sensor by mid-drive aiming, which is performed by transitioning to aiming mode and driving the vehicle for a predetermined time.
• The front side radar sensor / rear side radar sensor aiming cannot be performed correctly if there is an object obstructing radar emissions on the front bumper / rear bumper. Perform the following procedure before performing the aiming.
— Verify that there is no water, mud, dirt, sticker adhesion, or repairs done using putty application on the surface of the front bumper.
— Verify that there is no water, mud, dirt, sticker adhesion, or repairs done using putty application on the surface of the rear bumper.

• Perform the front side radar sensor aiming if any of the following procedure is performed.
— Front side radar sensor removal/installation or replacement
— Front side radar sensor bracket replacement
— Front bumper removal/installation

• Perform the rear side radar sensor aiming if any of the following procedure is performed.
— Rear side radar sensor removal/installation or replacement
— Rear side radar sensor bracket replacement
— Rear bumper removal/installation

• Driving the vehicle for a total of 15 min under the following conditions is necessary to complete mid-drive aiming (dynamic aiming). However, driving the vehicle while matching the conditions does not have to be continuous.
— Drive the vehicle at a vehicle speed of 20 km/h {12 mph} or more
— Drive the vehicle on a straight road (road with a turning radius of 100 m {328 ft 1 in} or more)
— Drive the vehicle on a road with structures (buildings and signs).
— Drive the vehicle accelerating/decelerating at 2.5 m/s^2 or less .

• mid-drive aiming (dynamic aiming) may not complete in an environment where any of the following conditions continues.
— Inclement weather caused by snow, rain, or fog
— Vehicle is driven downhill or on extremely rough or uneven roads
— Vehicle is driven through tunnels and over bridges.

Front Side Radar Sensor Aiming

1.Empty the vehicle by having all occupants leave the vehicle and remove all the cargo except for the spare tire, jack and tools.

2.Adjust the air pressure of each tire to the specified value. (See WHEEL AND TIRE SPECIFICATION [(US)] .)

3.Park the vehicle on level ground.

4.Connect the M-MDS.

5.After the vehicle is identified, select the following items from the initial screen of the M-MDS.

1. "Toolbox"
2. "Work Support"
3. "i-ACTIVSENSE"
4. "Dynamic aiming for Left/Front Side Rader or Dynamic aiming for Right/Front Side Rader"

6.Perform the front side radar sensor aiming procedure according to the directions on the M-MDS.

7.Drive the vehicle on a road and verify that the message in the multi-information display is no longer displayed.

Rear Side Radar Sensor Aiming

1.Empty the vehicle by having all occupants leave the vehicle and remove all the cargo except for the spare tire, jack and tools.

2.Adjust the air pressure of each tire to the specified value. (See WHEEL AND TIRE SPECIFICATION [(US)] .)

3.Park the vehicle on level ground.

4.Connect the M-MDS.

5.After the vehicle is identified, select the following items from the initial screen of the M-MDS.

1. "Toolbox"
2. "Work Support"
3. "i-ACTIVSENSE"
4. "Dynamic aiming for Left/Rear Side Rader or Dynamic aiming for Right/Rear Side Rader"

6.Perform the rear side radar sensor aiming procedure according to the directions on the M-MDS.

7.Drive the vehicle on a road and verify that the message in the multi-information display is no longer displayed.