

Note

- Front radar sensor and front side radar sensor aiming can be performed at the same time by driving the vehicle once. For the operation procedure, refer to [Front Radar Sensor and Front Side Radar Sensor Simultaneous Aiming]. (See [Front Radar Sensor and Front Side Radar Sensor Simultaneous Aiming](#).)

Front Radar Sensor Aiming

Note

- The front radar sensor aiming procedure stores the installation angle in the front radar sensor by mid-drive aiming, which is performed by transitioning to the aiming mode and driving the vehicle for a predetermined time.
- The front radar sensor aiming cannot be performed correctly if there is an object obstructing radar emissions on the front center brand emblem surface.
- Front radar sensor aiming and front side radar sensor aiming are performed when the following operations are performed.
 - Removal/installation or replacement of front radar sensor
 - Front bumper removal/installation
 - Front center brand emblem removal/installation
- Mid-drive aiming may not be completed 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.

1. Verify that there is no water, mud, dirt, sticker adhesion, or repairs done using putty application on the surface of the front center brand emblem.
2. Empty the vehicle by removing all the cargo except for the spare tire, jack and tools equipped on the vehicle.
3. Adjust the air pressure of each tire to the specified value. (See [WHEEL AND TIRE SPECIFICATION \[\(E\)\]](#).)
4. Move the vehicle to level ground.
5. Connect the M-MDS to the DLC-2.
6. Switch the ignition ON (engine off).
7. Activate the M-MDS and perform the following procedure.
 - (1) Press [Start] to start the vehicle identification.
 - (2) Press the [Toolbox] tab.
 - (3) Press the [Work Support] icon.
 - (4) Press [i-ACTIVSENSE].
 - (5) Press [Dynamic aiming].
 - (6) Press [Run] for [Dynamic aiming for Front Radar].
 - (7) Confirm the dynamic aiming procedure from Step (8) to Step 8 and press [Next].

(8) Verify that the ignition is switched ON (engine off) and press [Next].

(9) Display the progress on the M-MDS screen.

8. Drive the vehicle on a road for approx. 15 min (can be a continuous period) under the following conditions until [Complete] is displayed on the M-MDS screen.

- Vehicle speed 5 km/h {3 mph} or more
- Deceleration speed 2.5 m/s² or less
- A straight road (road with a turning radius of 100 m {328 ft 1 in} or more)
- A road with structures (guardrails, buildings, signs)

Front Radar Sensor and Front Side Radar Sensor Simultaneous Aiming

Note

- The front radar sensor aiming procedure stores the installation angle in the front radar sensor by mid-drive aiming, which is performed by transitioning to the aiming mode and driving the vehicle for a predetermined time.
- The front side radar sensor aiming procedure stores the installation angle in the front side radar sensor by mid-drive aiming, which is performed by transitioning to the aiming mode and driving the vehicle for a predetermined time.
- The front radar sensor and front side radar sensor aiming cannot be performed correctly if there is an object obstructing radar emissions on the front center brand emblem/front bumper surface.
- Front radar sensor aiming and front side radar sensor aiming are performed when the following operations are performed.
 - Removal/installation or replacement of front radar sensor
 - Removal/installation or replacement of front side radar sensor
 - Front bumper removal/installation
- Mid-drive aiming may not be completed 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.

1. Verify that there is no water, mud, dirt, sticker adhesion, or repairs done using putty application on the surface of the front center brand emblem/front bumper.

2. Empty the vehicle by removing all the cargo except for the spare tire, jack and tools equipped on the vehicle.

3. Adjust the air pressure of each tire to the specified value. (See [WHEEL AND TIRE SPECIFICATION \[\(E\)\]](#).)

4. Move the vehicle to level ground.

5. Connect the M-MDS to the DLC-2.

6. Switch the ignition ON (engine off).

7. Activate the M-MDS and perform the following procedure.

(1) Press [Start] to start the vehicle identification.

(2) Press the [Toolbox] tab.

(3) Press the [Work Support] icon.

(4) Press [i-ACTIVSENSE].

(5) Press [Dynamic aiming].

(6) Select both of the following menus and return to the screen menu without driving the vehicle.

- Press [Run] for [Dynamic aiming for Left/Front Side Radar].
- Press [Run] for [Dynamic aiming for Right/Front Side Radar].

(7) Confirm the dynamic aiming procedure from Step (8) to Step 11 and press [Next].

(8) Verify that the ignition is switched ON (engine off) and press [Next].

(9) When [The vehicle has moved to the dynamical test mode] is displayed, press [Next] without driving the vehicle.

8. Select the following from the M-MDS screen menu.

(1) Press the [Toolbox] tab.

(2) Press the [Work Support] icon.

(3) Press [i-ACTIVSENSE].

(4) Press [Dynamic aiming].

(5) Press [Run] for [Dynamic aiming for Front Radar].

(6) Confirm the dynamic aiming procedure from Step (7) to Step 11 and press [Next].

(7) Verify that the ignition is switched ON (engine off) and press [Next].

(8) Display the progress on the M-MDS screen.

9. Drive the vehicle on a road for approx. 15 min (can be a continuous period) under the following conditions until [Complete] is displayed on the M-MDS screen.

- Vehicle speed 20 km/h {12 mph} or more
- Deceleration speed 2.5 m/s^2 or less
- A straight road (road with a turning radius of 100 m {328 ft 1 in} or more)
- A road with structures (guardrails, buildings, signs)

10. When the aiming is completed, return to the online environment.

11. Display PID [AIM_MODE] using the M-MDS.

- Verify that the monitor indicates [OFF].

— If the monitor value indicates [ON], inspect for DTCs.