

Training Corner

2005-2008 Mazda3, 2006-2008 Mazda5, 2007-2008 CX-9, 2009 RX-8, 2009 Mazda6 - Rain Sensor Initialization



Rain Sensor Replacement

When replacing the rain sensor on AUTO wiper equipped vehicles, the sensor will initialize itself automatically when the ignition switch is turned to the ON position for the first time after replacement. During the auto-initialization procedure, the rain sensor assumes there is no water and/or dirt on the windshield, even if water and/or dirt are present. This may cause the AUTO wiper function to not operate correctly. Before the ignition switch is turned to the ON position for the first time after rain sensor replacement, remove any water and/or dirt from the windshield.

If the rain sensor was replaced and the auto initialization was performed with a dirty windshield, perform the Rain Sensor Initial Setting to reset the rain sensor to a clean, dry windshield.

Rain Sensor Initial (Re-initialization) Setting

The Rain Sensor Initial Setting must be performed in the following cases:

- When replacing the windshield and reusing the same rain sensor.
- If the rain sensor was replaced and self-initialized to a wet and/or dirty windshield.

To initialize the sensor WITHOUT using M-MDS, perform the following:

1. Remove water and dirt from the windshield surface.
2. Turn the ignition switch to the OFF position.
3. Move the windshield wiper switch to the AUTO position.
4. Turn the ignition switch to the ON position. Within 10 seconds after turning the ignition ON, move the wiper switch from the AUTO to OFF position five times, returning it to the AUTO position after the fifth time.
5. When the initial setting is performed correctly, the windshield wiper operates once.

CAUTION:

If the wiper switch is moved between AUTO and OFF too fast during STEP 4, the windshield wiper switch position may not be detected and the initial setting may not be performed. Move the wiper switch one cycle (AUTO-OFF-AUTO) per second.

To initialize the sensor using M-MDS, perform the following:

1. Remove water and dirt from the windshield surface.
2. Connect the M-MDS to the vehicle.
3. Under "TOOLBOX", select "ELECTRICAL" and "RAIN SENSOR RESET".
4. Follow the On-Screen instructions.
5. When the procedure is complete, the windshield wiper operates once.

This information is available in Workshop Manual section 09-19 WIPER/WASHER SYSTEM