

SECTION 501-16: Wipers and Washers
REMOVAL AND INSTALLATION

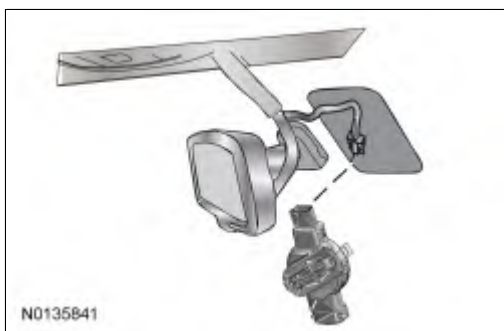
2014 F-150 Workshop Manual
Procedure revision date: 10/25/2013

Rain Sensor Bracket

NOTE: The rain sensor bracket primer and adhesive are not included in service kit (part number 19G382) and need to be ordered separately. The rain sensor bracket primer and adhesive part numbers and ordering instructions are available in the parts ordering system.

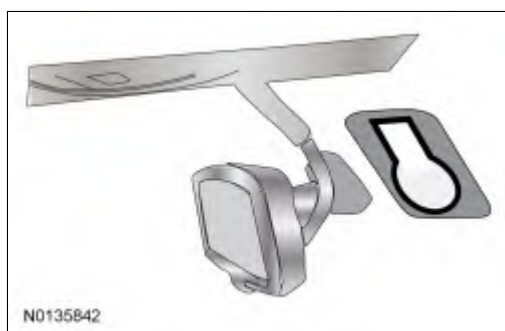
NOTE: The rain sensor bracket adhesive will take at least 6 hours to dry.

1. Disconnect the rain sensor electrical connector.



2. Disengage the metal rain sensor mounting clips from the old rain sensor bracket and separate the old rain sensor bracket from the rain sensor.
 - Discard the old rain sensor bracket, it is not to be reused.
3. Using a razor blade, carefully remove any residual glue from the windshield glass.
4. Using isopropyl alcohol and a clean cloth, wipe the windshield glass where the rain sensor and rain sensor bracket were mounted to remove any residual adhesive, contaminants, or loose glue particles.
5. Wipe glass with a clean cloth to make sure the glass is clean and dry.
6. Apply specified primer onto a clean cloth.
7. Insert a cotton swab or equivalent, onto the wet area of the cloth.
8. **NOTICE:** Do not apply primer to the rain sensor view window area.

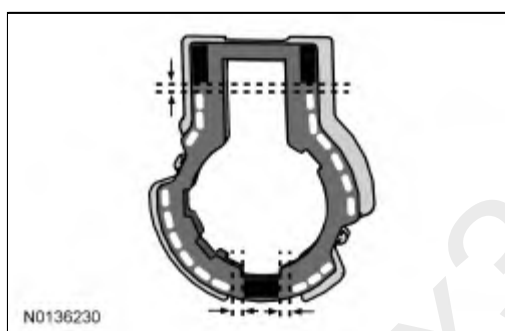
Using a cotton swab or equivalent, apply the primer onto the contact area of the rain sensor bracket area of the windshield glass.



9. **NOTE:** Apply the adhesive to the outer periphery of the bracket mounting surface to prevent adhesive squeeze out toward the sensor viewing window.

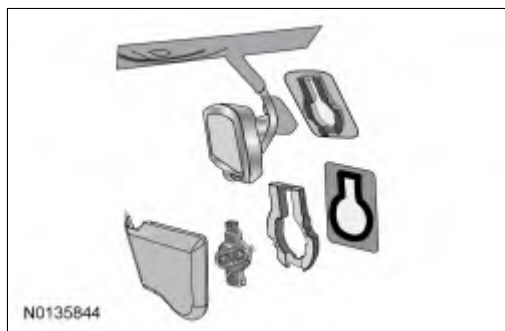
Remove release paper from the new rain sensor bracket. Using a 3M® EPX Plus II applicator or equivalent, apply a 1 to 2 mm (0.039 in to 0.078 in) bead of specified adhesive to the rain sensor bracket. Apply the bracket to the windshield within 90 seconds of applying adhesive to the bracket.

- Adhesive path should terminate 2 mm (0.078 in) prior to running into the 3 adhesive tape pieces.
- Remove the protective paper from the adhesive tape pieces.



10. **NOTE:** If the rain sensor bracket is not mounted in the correct location on the windshield glass the rain sensor may not function correctly, resulting in incorrect or erratic wiping. In addition, the trim cover may be misaligned once installed.

Apply the rain sensor bracket onto the windshield making sure the open end of the bracket is facing the 12 o'clock position and that the bracket is centered around the rain sensor view window area.



11. Allow the adhesive to dry for at least 6 hours.
12. Install the rain sensor. For additional information, refer to [Rain Sensor](#) in this section.

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