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## ION SENSOR INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

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### DTC Inspection

1. Connect the M-MDS to the DLC-2.
2. Perform the DTC inspection using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
  - If any DTC related to the ignition coil/ion sensor is present, repair the malfunctioning location according to the applicable DTC troubleshooting. (See DTC TABLE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)

### Visual Inspection

#### Note

- Because the ion sensor is integrated in the ignition coil, replacing the ion sensor includes replacement of the ignition coil/ion sensor.
1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].)
  2. Remove the plug hole plate. (See PLUG HOLE PLATE REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
  3. Remove the ignition coil/ion sensor. (See IGNITION COIL/ION SENSOR REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
  4. Verify that there is no damage to the ignition coil/ion sensor, and no corrosion and damage to the connector.
    - If there is a malfunction, replace the ignition coil/ion sensor. (See IGNITION COIL/ION SENSOR REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)