REAR ABS WHEEL-SPEED SENSOR INSPECTION [4WD]

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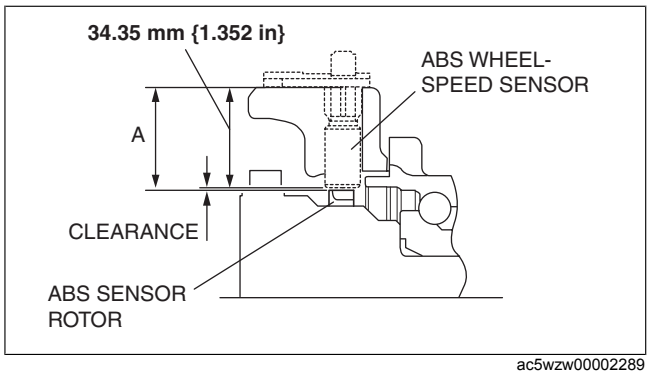
Installation Visual Inspection

1. Inspect the following items:
   - If there is any malfunction, replace the applicable part.
   (1) Excessive play of the ABS wheel-speed sensor
   (2) Deformation of the ABS wheel-speed sensor
   (3) Deformation or damage of the ABS sensor rotor

Clearance Inspection

1. Remove the ABS wheel-speed sensor.
2. Measure the distance between the ABS wheel-speed sensor installation surface and the ABS sensor rotor. This is dimension A.
3. Calculate the clearance between the front ABS wheel-speed sensor and the ABS sensor rotor using the following formula:
   Clearance (mm {in}) = A-34.35 {1.352}
4. Verify that the clearance between the ABS sensor rotor and the ABS wheel-speed sensor is as indicated below.
   - If there is any malfunction, replace it.

   Clearance
   - **0.3—1.4 mm {0.02—0.05 in}**



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Sensor Output Value Inspection

1. Switch the ignition to off.
2. Connect the M-MDS to the DLC-2.
3. Select the following PIDs using the M-MDS:
   - WSPD_SEN_LR (LR ABS wheel-speed sensor)
   - WSPD_SEN_RR (RR ABS wheel-speed sensor)
4. Start the engine and drive the vehicle.
5. Verify that the display of the M-MDS shows the same value as the speedometer.
   - If there is any malfunction, replace the ABS wheel-speed sensor.