

# KNOCK SENSOR (KS) INSPECTION [LF]

B3E014018921W01

## Note

- Before performing the following inspection, make sure to follow the procedure as indicated in the troubleshooting flowchart.

## Resistance Inspection

1. Disconnect the knock sensor connector.

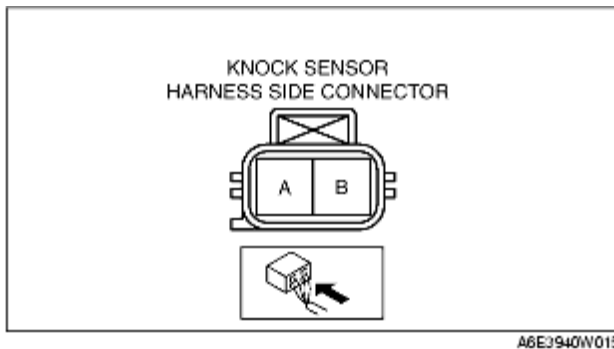
2. Measure resistance between KS terminals A and B.

- If not within the specification, replace the KS.
- If the monitor item status/specification (reference) is not within the specification, even though the KS resistance is within the specification, perform the "Circuit Open/Short Inspection".

### Resistance

Approx. 4.87 megohms

## Circuit Open/Short Inspection



1. Disconnect the PCM connector. (See [PCM REMOVAL/INSTALLATION \[LF\]](#).)

2. Inspect the following wiring harnesses for open or short. (Continuity check)

### Open circuit

- If there is no continuity, the circuit is open. Repair or replace the harness.
  - Knock sensor terminal A and PCM terminal 2Q
  - Knock sensor terminal B and PCM terminal 2R

### Short circuit

- If there is continuity, the circuit is shorted. Repair or replace the harness.
  - Knock sensor terminal A and power supply
  - Knock sensor terminal A and body GND
  - Knock sensor terminal B and power supply
  - Knock sensor terminal B and body GND