S-TYPE - Automatic Transmission/Transaxle External Controls - 307-05

Pinpoint Tests - J-GATE SYSTEM CIRCUIT CHECKS

A1: CHECK FOR IGNITION FEED TO THE J-GATE

1. Disconnect the J-gate assembly electrical connector CA245.
2. Turn the ignition to the 'ON' position.
3. Measure the voltage at CA245 Pin 1 (GO).

•Is the voltage greater than 10 Volts?

-> Yes

Go to **<<A2>>**

-> No

Repair the electrical circuit between the J-gate assembly electrical connector CA245 Pin 1 (GO) and the rear power distribution box FUSE 3. Clear the DTC. TEST the system for normal operation.
NOTE: This circuit incorporates the ignition switch and the primary junction box. For additional information, refer to the vehicle wiring diagrams.

A2: CHECK THE GROUND SUPPLY TO THE J-GATE

1. Measure the resistance between the J-gate assembly electrical connector CA245 Pin 2 (B) and GROUND.

•Is the resistance less than 5.0 Ohms?

-> Yes

Go to **<<A3>>**

-> No

Repair the circuit between the J-gate assembly electrical connector CA245 Pin 2 (B) and GROUND. Clear the DTC. TEST the system for normal operation.

A3: CHECK FOR J-GATE ILLUMINATION FEED

1. Turn the ignition to the 'ON' position.
2. Measure the voltage at CA245 Pin 3 (UY).

• Is the voltage greater than 10 Volts?

-> Yes

Go to **<<A4>>**

-> No

Repair the electrical circuit between the J-gate assembly electrical connector CA245 Pin 3 (UY) and the front electronics module electrical connector. For additional information, refer to the vehicle wiring diagrams. Clear the DTC. TEST the system for normal operation.

A4: CHECK FOR KEY INTERLOCK FEED CIRCUIT FOR CONTINUITY

1. Disconnect the J-gate assembly electrical connector CA245.
2. Disconnect the ignition switch electrical connector FC018.
3. Measure the resistance between the J-gate assembly electrical connector CA245 Pin 4 (Y) and the ignition switch electrical connector FC018 Pin 3 (Y).

• Is the resistance less than 5.0 Ohms?

-> Yes

Go to **<<A5>>**

-> No

Repair the electrical circuit between the J-gate assembly electrical connector CA245 Pin 4 (Y) and the ignition switch electrical connector FC018 Pin 3 (Y). Clear the DTC. TEST the system for normal operation.

A5: CHECK FOR KEY INTERLOCK ACTION

1. Check for continuity between Pin 3 and Pin 4 of the ignition switch lock cylinder.

•Is the circuit continuous?

-> Yes

Install a new J-gate. For additional information, **<<Transmission Selector Lever>>** Clear the DTC.
TEST the system for normal operation.

-> No

Install a new ignition switch lock cylinder. For additional information, **<<211-04>>** Clear the DTC. TEST the system for normal operation.