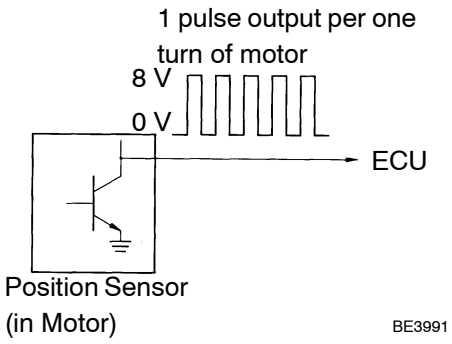
DIAZY–01

Position Sensor Circuit

CIRCUIT DESCRIPTION



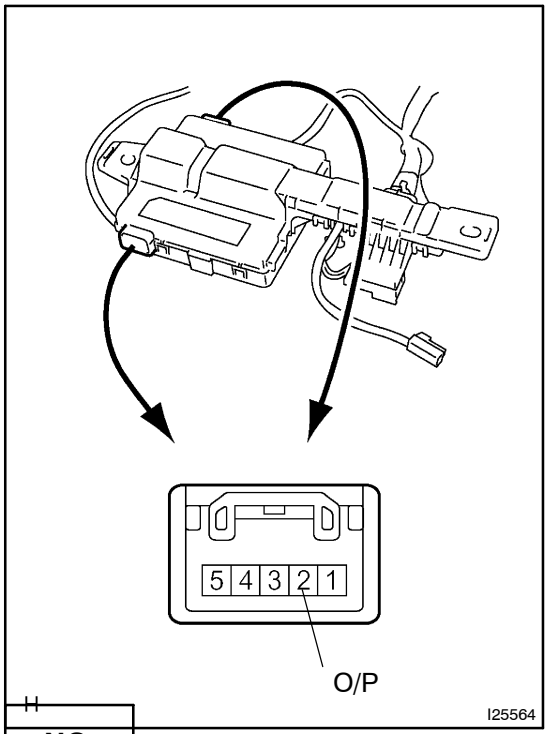
The position sensor senses movement of the seat and send pulse signals to the ECU. The position sensor sends pulse to the ECU in proportion to the amount of seat movement, as shown in the diagram on the left.
The ECU uses the number of pulses to constantly calculate the position relative to the memory position and returns the seat to the memorized position.
If a malfunction occurs in a position sensor and a sensor signal is not input to the ECU even when the motor operates, the ECU prohibits return operation.

WIRING DIAGRAM

See page DI–804.

INSPECTION PROCEDURE

1	**Check position sensor.**



NG

CHECK:

Measure voltage between terminal O/P of Power Seat Control ECU and body ground with connector being connected.

OK:

Tester Connection	Condition	Voltage
O/P ↔ body ground	Motor stopped (Check several times with the motor in a different position each time.)	0 V or 8 V voltage according to stop position.
	with motor turning	half of 8 V voltage

OK

Proceed to next circuit inspection shown on problem symptom table (See page DI–786).

2	**Check harness and connectors between Power Seat Control ECU and position sensors (See page IN–38).**

NG → **Repair or replace harness or connectors.**

OK

Proceed to next circuit inspection shown on problem symptom table (See page DI–786).