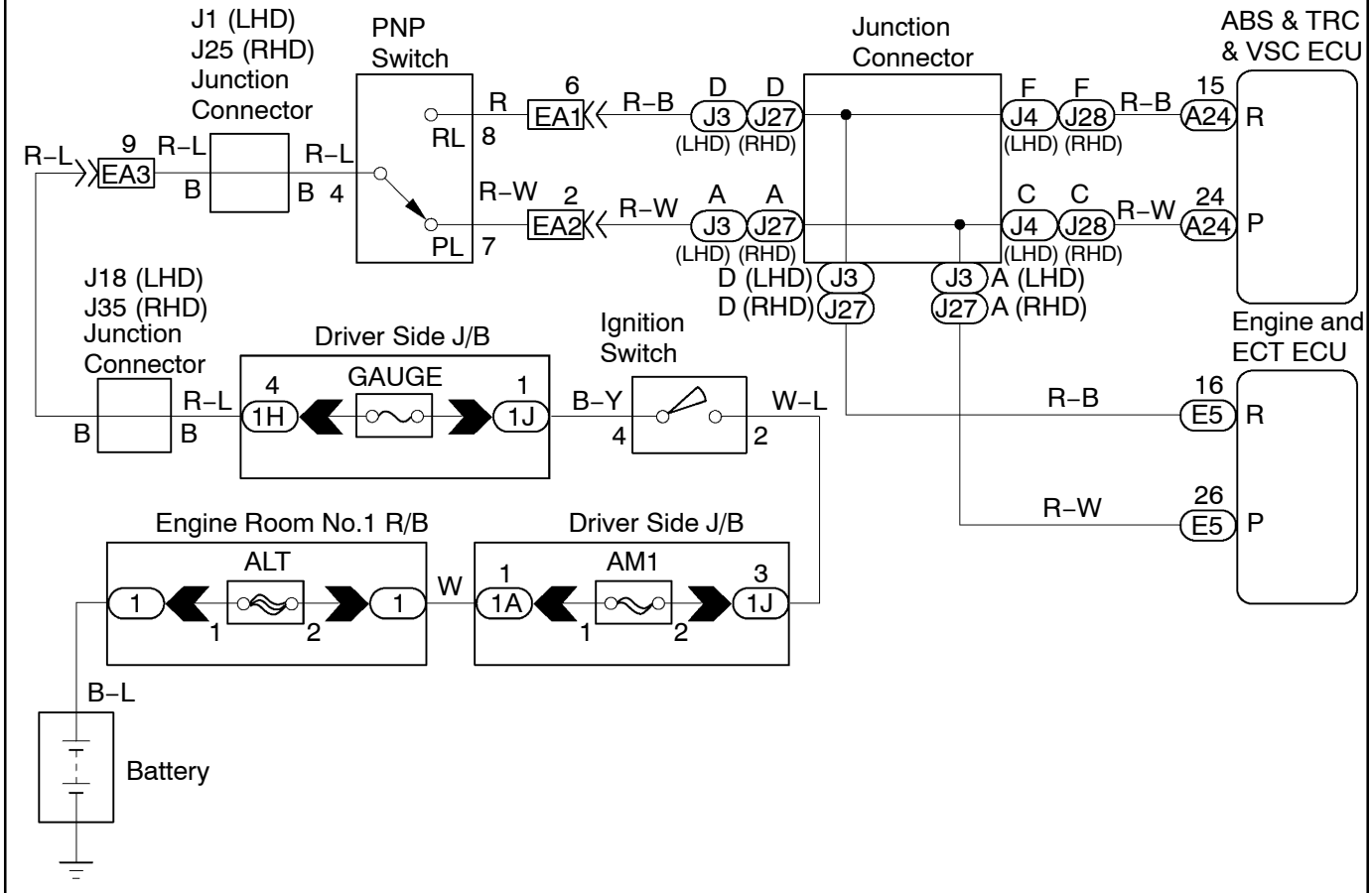
DI28E–03

| DTC | C1207 / 37 | P/R Range Switch Circuit |
|---|---|---|

## CIRCUIT DESCRIPTION

| DTC No. | DTC Detection Condition | Trouble Area |
|---|---|---|
| C1207 / 37 | When any of the following (1) through (3) is detected:<br>(1) At vehicle speed of 15 km/h (9 mph) or less and the conditions that open circuit signal of P signal circuit of park/neutral position switch is ON and the voltage of IG1 terminal is 9.5 to17 V continue for 5 secs. or more.<br>(2) At vehicle speed of 15 km/h (9 mph) or more, and when the condition that P signal from park/neutral position switch is ON, and the the shift lever position information from the ECM is other than in P or N range continues for 60 secs. or more.<br>(3) At vehicle speed of 15 km/h (9 mph) or less and the conditions that open circuit signal of R signal circuit of park/neutral position switch is ON and the voltage of IG1 terminal is 9.5 to 17 V continue for 2 secs. or more. | • P/R range switch<br>• P/R range switch circuit |

## WIRING DIAGRAM



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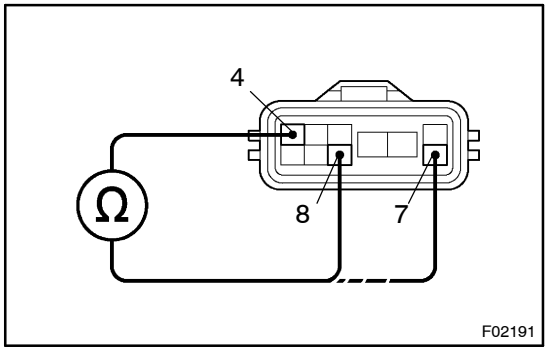
## INSPECTION PROCEDURE

| | |
|---|---|
| 1 | Check park/neutral position switch (P/R range switch). |




**PREPARATION:**

(a) Jack up the vehicle.

(b) Disconnect the park/neutral position switch connector.

**CHECK:**

Check continuity between each terminal shown below when the shift lever is moved to each position.

**OK:**

| | | |
|---|---|---|
| P range switch | Terminals 4 – 7 | Continuity |
| R range switch | Terminals 4 – 8 | Continuity |

NG → Replace park/neutral position switch (P/R range switch).

OK

| | |
|---|---|
| 2 | Check for open and short circuit in harness and connector between terminals P and R of ABS & TRC & VSC ECU and battery (See page IN–29). |

NG → Repair or replace harness or connector.

OK

Check and replace ABS & TRC & VSC ECU or engine and ECT ECU.