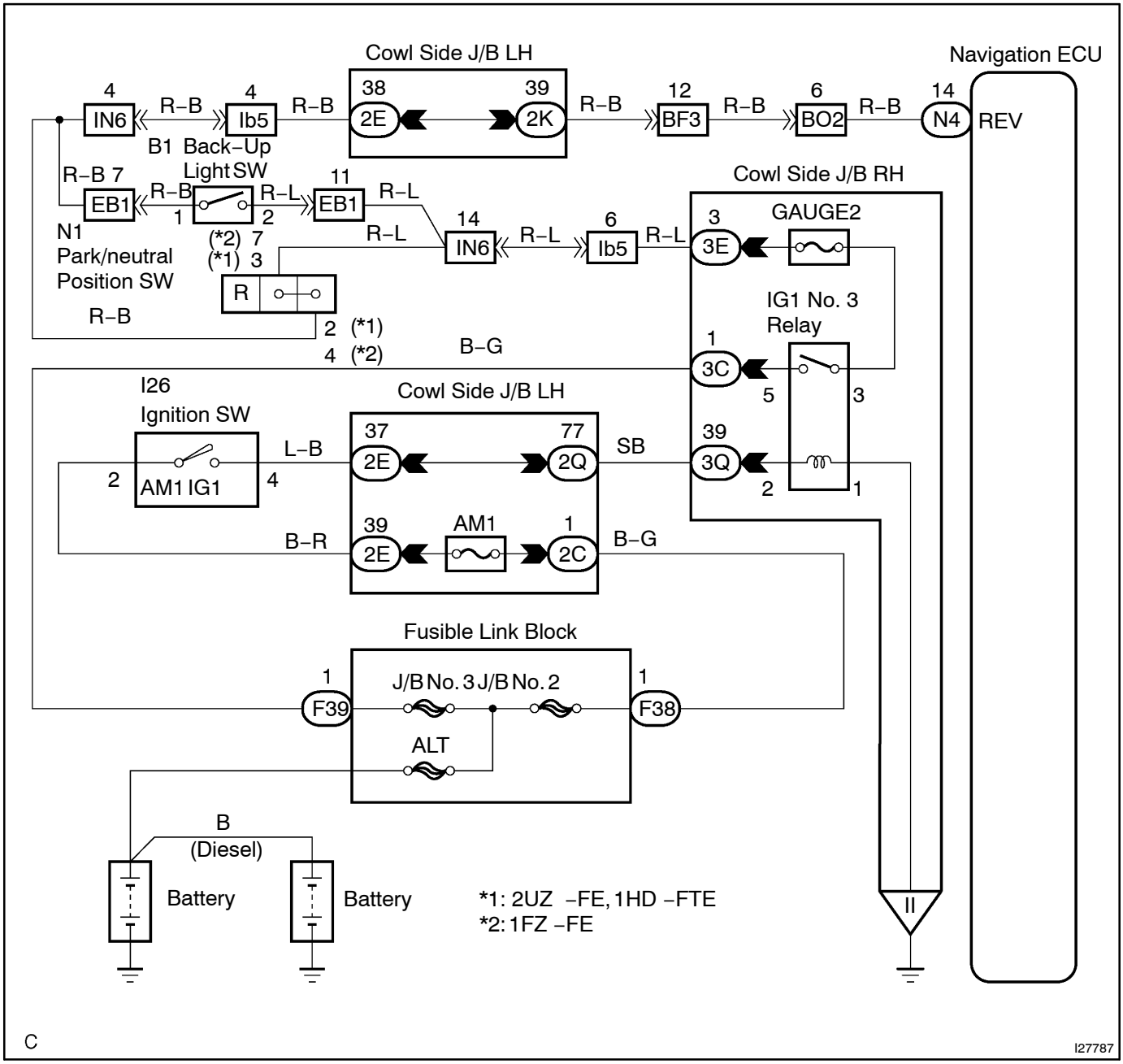
DICC9–03

Reverse Signal Circuit

CIRCUIT DESCRIPTION

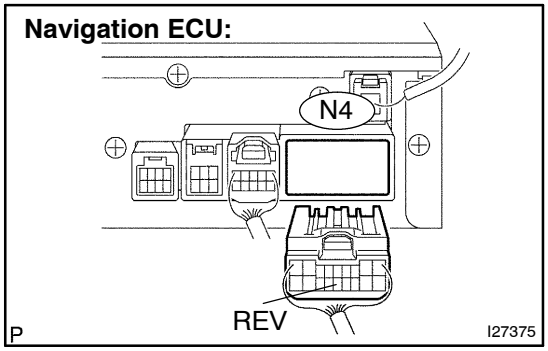
The navigation ECU receives the reverse signal from the park/neutral position switch and information about the GPS antenna, and then adjusts the vehicle position.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Check voltage between terminals REV and of navigation ECU and body ground.



(a) Measure the voltage according to the value(s) in the table below.

Standard:

Tester connection (Terminal No.)	Condition	Specified condition
REV –Body ground	IG SW ON, shift lever R position	10 to 14 V

OK → **Proceed to next circuit inspection shown in problem symptoms table. (See page DI–209)**

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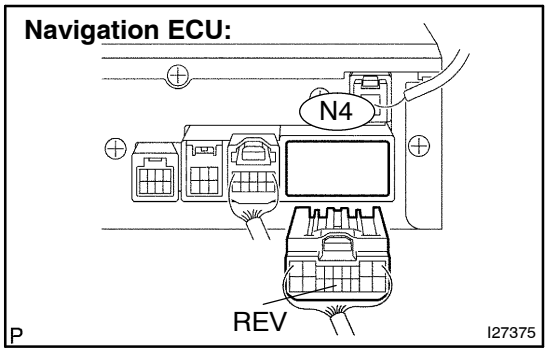
2	Check for open or short circuit in harness and connector between navigation ECU and park/neutral position switch (A/T) or back–up light switch (M/T) assembly.



(a) Disconnect the connector from the navigation ECU.
(b) Measure the resistance according to the value(s) in the table below.

Standard:

A/T (2UZ–FE, 1HD–FTE):

Tester connection	Condition	Specified condition
REV – N1–2	Always	Below 1 Ω
REV – Body ground	Always	10 kΩ or higher

A/T (1FZ–FE):

Tester connection	Condition	Specified condition
REV – N1–4	Always	Below 1 Ω
REV – Body ground	Always	10 k Ω or higher

M/T:

Tester connection	Condition	Specified condition
REV – B1–1	Always	Below 1 Ω
REV – Body ground	Always	10 k Ω or higher

OK → **Replace park/neutral position switch assembly.**

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Repair or replace harness or connector.