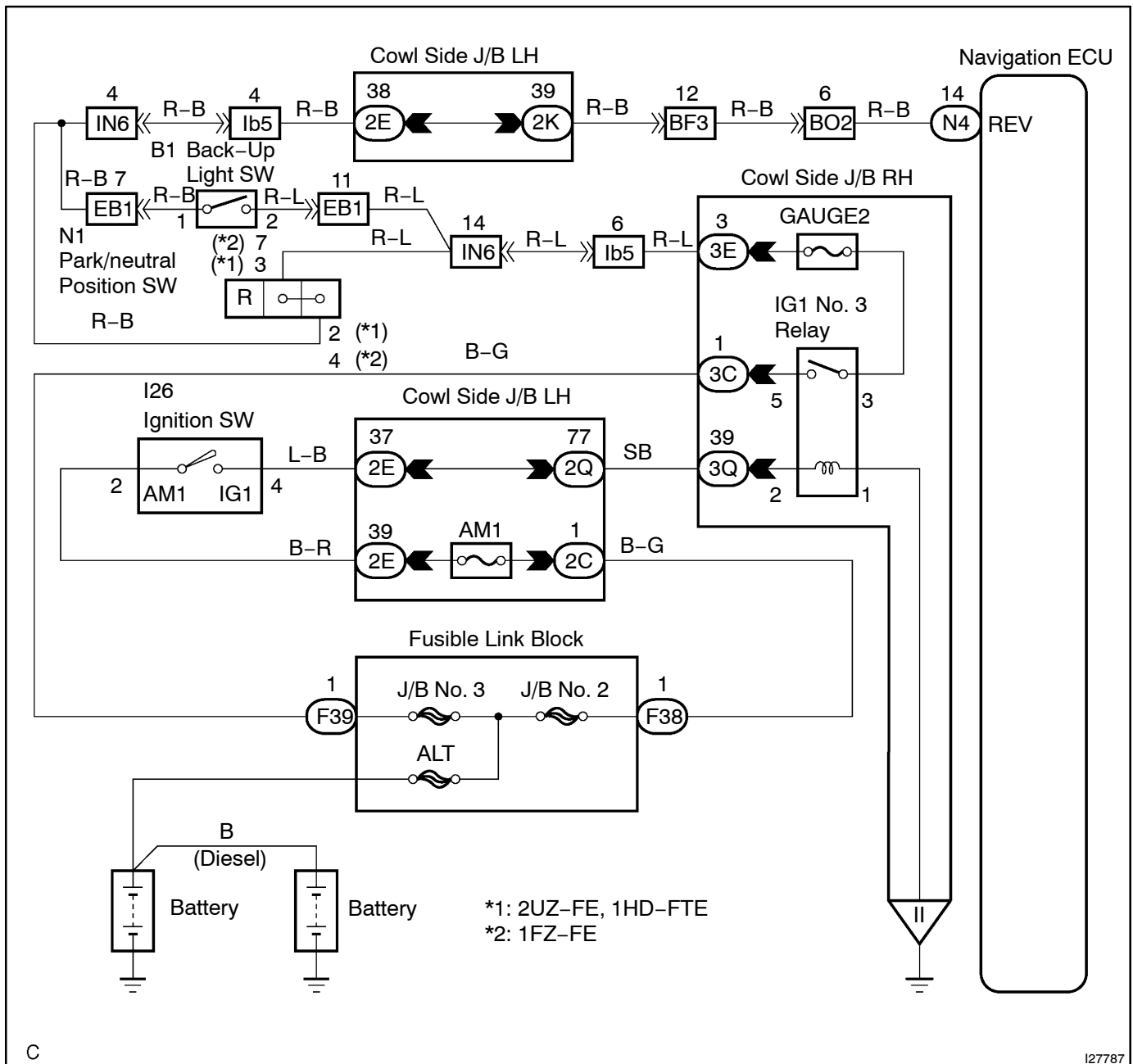


Reverse Signal Circuit

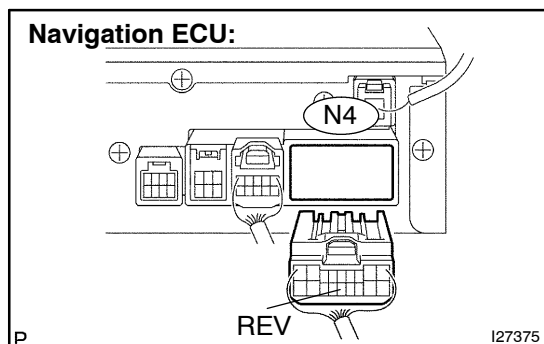
CIRCUIT DESCRIPTION

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



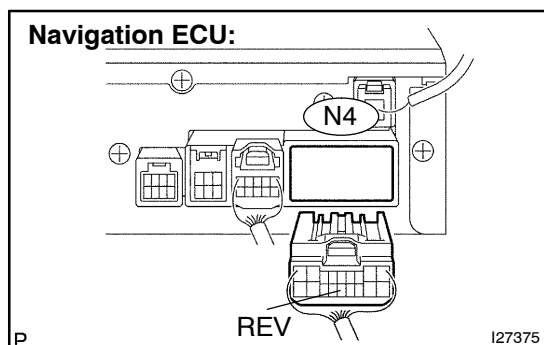
INSPECTION PROCEDURE

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

- (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)****NG****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.****Navigation ECU:**

- (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 k Ω 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.****NG****Repair or replace harness or connector.**