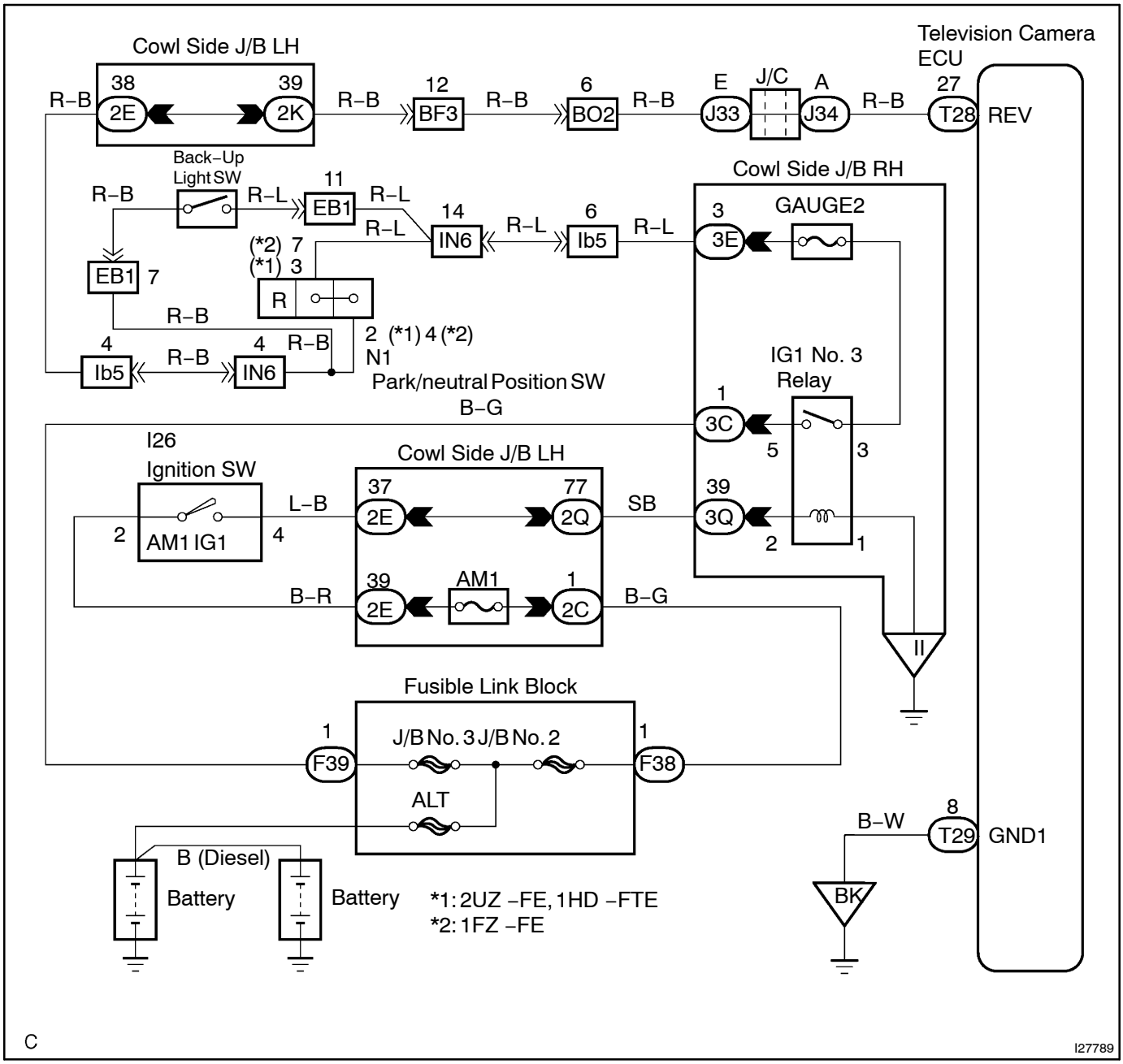
Reverse Signal Circuit

CIRCUIT DESCRIPTION

The television camera ECU receives the reverse signal from the park/neutral position switch.

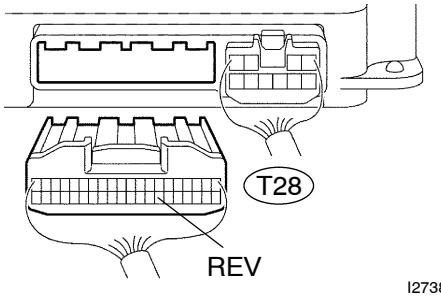
WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Check for open or short circuit in harness and connector between terminal REV of television camera ECU and park/neutral position switch.**

Television Camera ECU:



(a) Disconnect the T28 connector from the television camera ECU.

(b) Disconnect the P1 connector from the park/neutral position switch assembly.

(c) 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

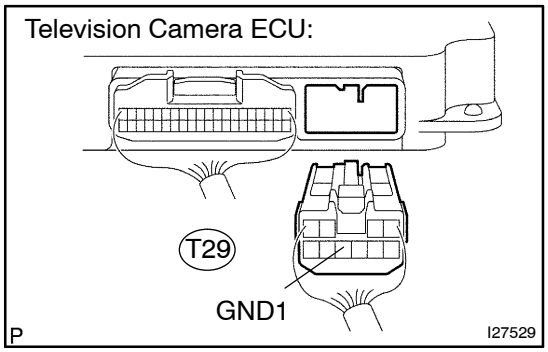
M/T:

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

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

OK

2	Check for open circuit in harness and connector between terminal GND1 of television camera ECU and body ground.



(a) Connect the P1 connector to the park/neutral position switch assembly.

(b) Measure the resistance according to the value(s) in the table below.

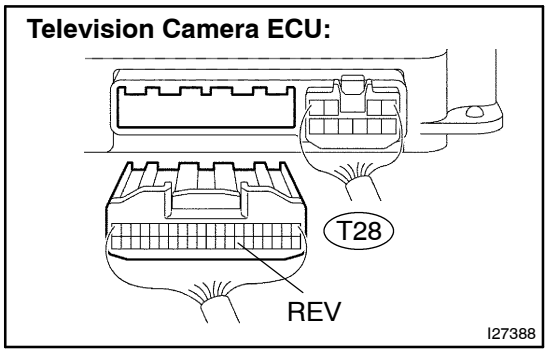
Standard:

Tester connection (Terminal No.)	Condition	Specified condition
GND1 (T29–8) – Body ground	Always	Below 1 Ω

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

OK

3	Check voltage between terminals REV of television camera 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 (T28–27) –Body ground	IG SW ON, shift lever R position	10 to 14 V

NG → **Inspect park/neutral position switch.**

OK

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