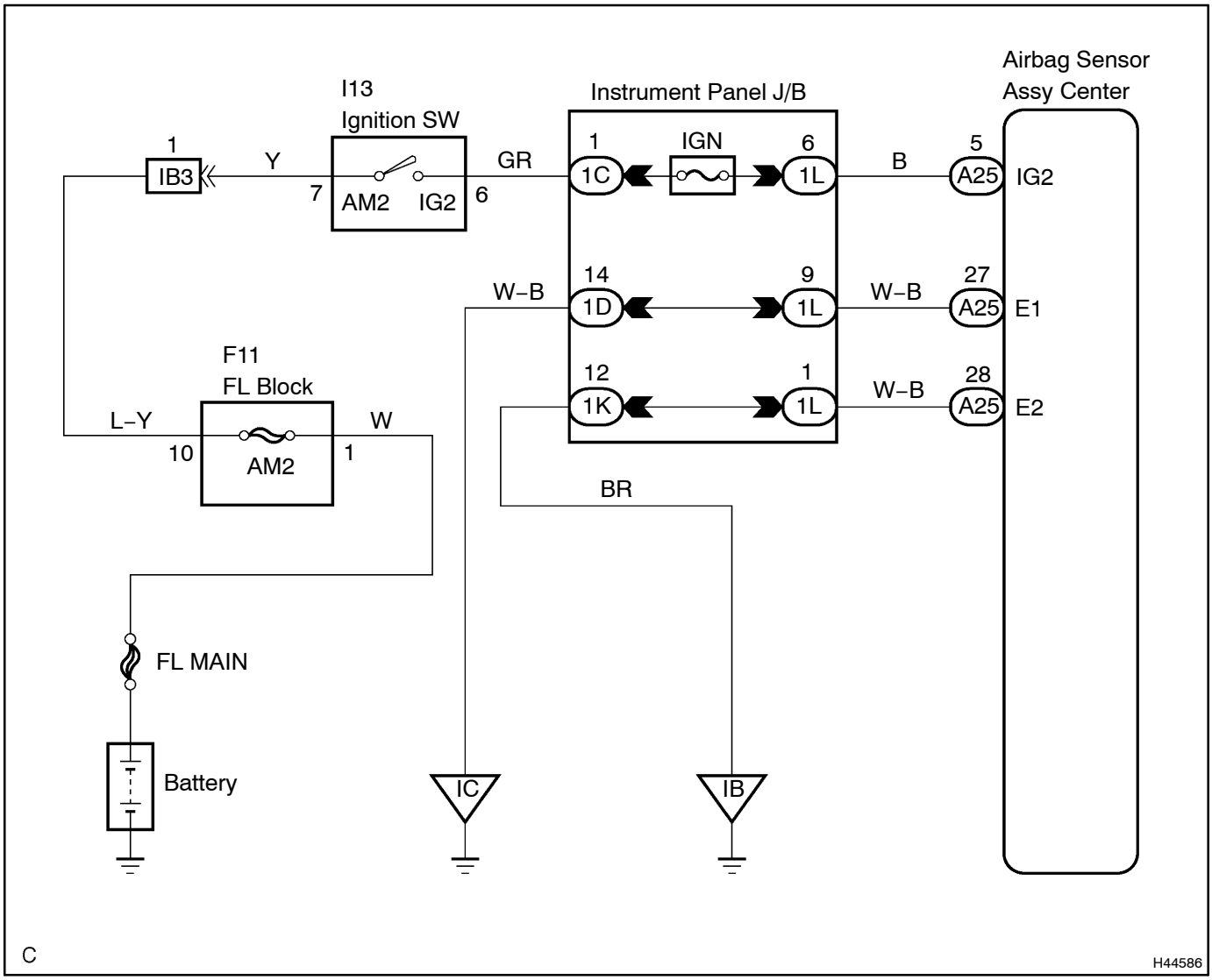
SOURCE VOLTAGE DROP

CIRCUIT DESCRIPTION

The SRS is equipped with a voltage–increase circuit (DC–DC converter) in the airbag sensor assy center in case the source voltage drops.
When the battery voltage drops, the voltage–increase circuit (DC–DC converter) functions to increase the voltage of the SRS to normal voltage.
A malfunction in this circuit is displayed differently from other codes. The source voltage drop is indicated when the SRS warning light comes on without showing any DTCs.
A malfunction in this circuit is not recorded in the airbag sensor assy center. The SRS warning light automatically goes off when the source voltage returns to normal.

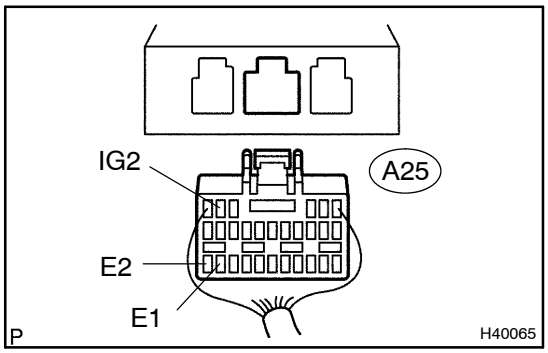
DTC No.	Diagnosis
(Normal)	Source voltage drop

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK SOURCE VOLTAGE



(a) Turn the ignition switch to the LOCK position.
(b) Disconnect the negative (–) terminal cable from the battery, and wait for at least 90 seconds.
(c) Disconnect the connector of the airbag sensor assy center.
(d) Connect the negative (–) terminal cable to the battery, and wait for at least 2 seconds.
(e) Turn the ignition switch to the ON position.
(f) Measure the voltage and resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
A25–5 (IG2) – Body ground	Ignition switch ON	10 to 14 V
A25–27 (E1) – Body ground	Always	Below 1 Ω
A25–28 (E2) – Body ground	Always	Below 1 Ω

NG → **REPAIR OR REPLACE WIRE HARNESS (BATTERY – AIRBAG SENSOR ASSY CENTER), CHARGING SYSTEM AND BATTERY**

OK

2 CHECK SRS WARNING LIGHT

(a) Turn the ignition switch to the LOCK position.
(b) Disconnect the negative (–) terminal cable from the battery, and wait for at least 90 seconds.
(c) Connect the airbag sensor assy center connectors.
(d) Connect the negative (–) terminal cable to the battery, and wait for at least 2 seconds.
(e) Turn the ignition switch to the ON position.
(f) Operate all components of the electrical system (defogger, wiper, headlight, heater blower, etc.) and check the SRS warning light operation.

OK:

SRS warning light does not come on.

NG → **REPLACE AIR BAG SENSOR ASSY CENTER**

OK

END