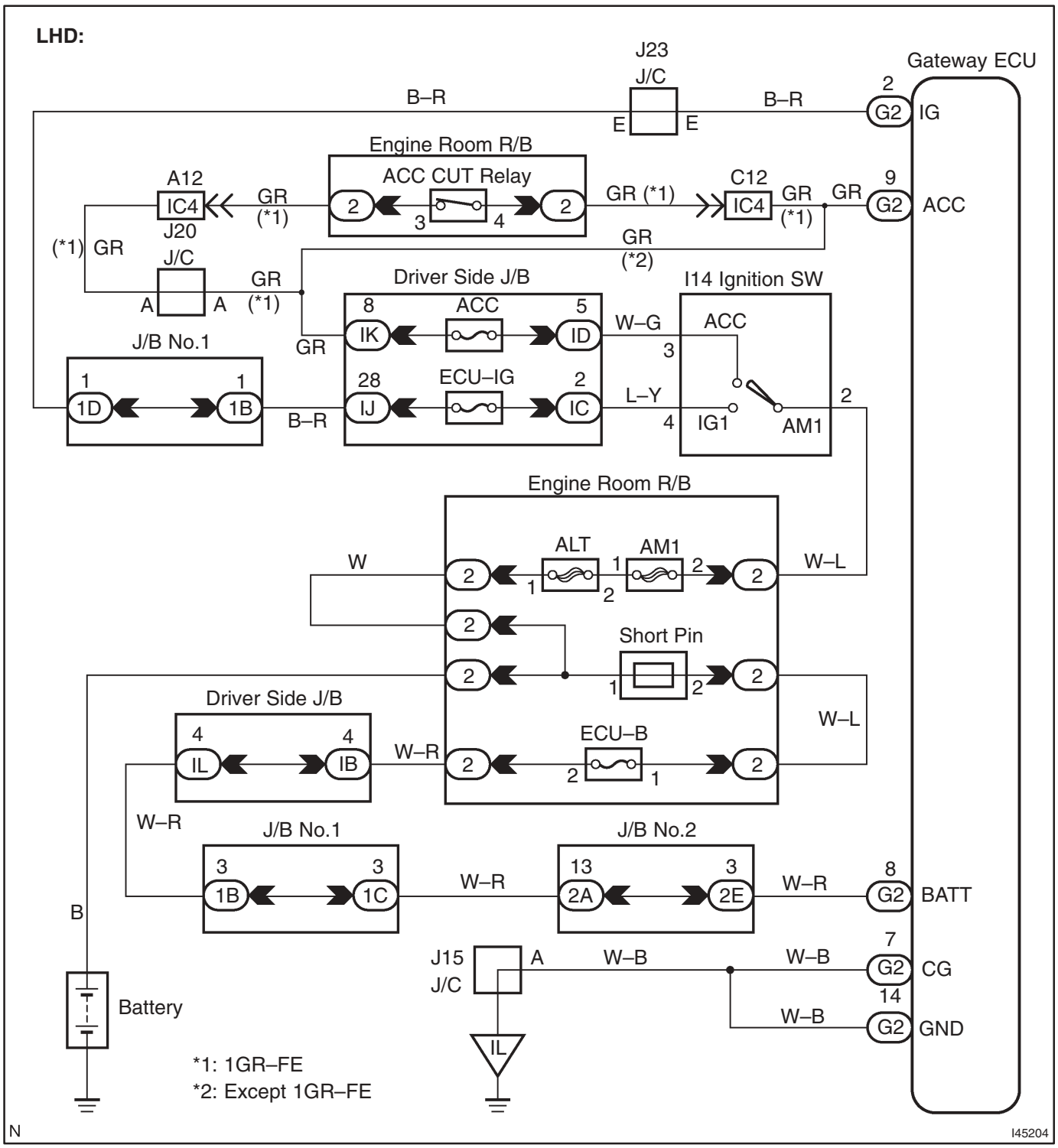
POWER SOURCE CIRCUIT (NETWORK GATEWAY ECU)

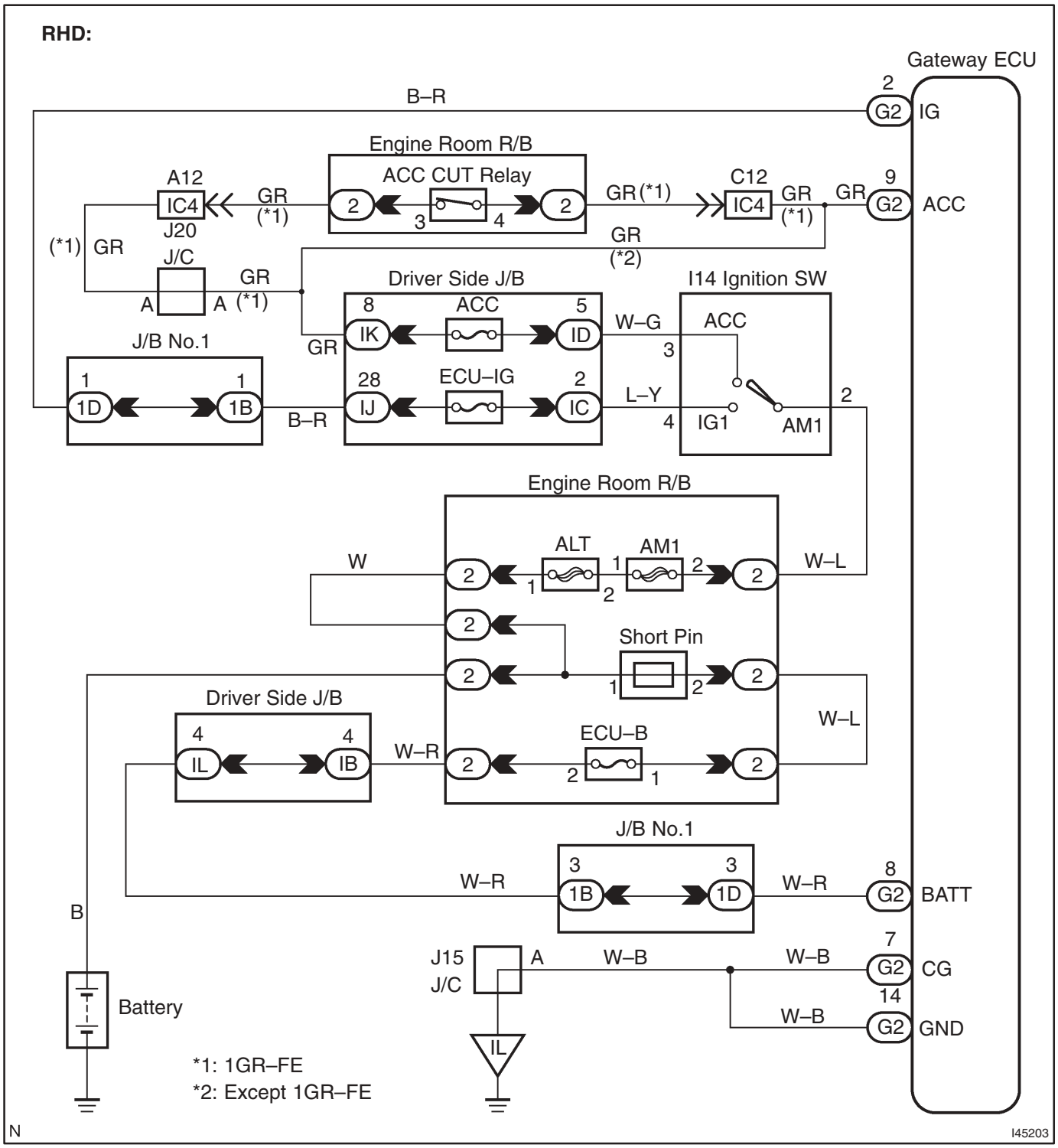
CIRCUIT DESCRIPTION

This is the power source circuit to operate the network gateway ECU.

WIRING DIAGRAM



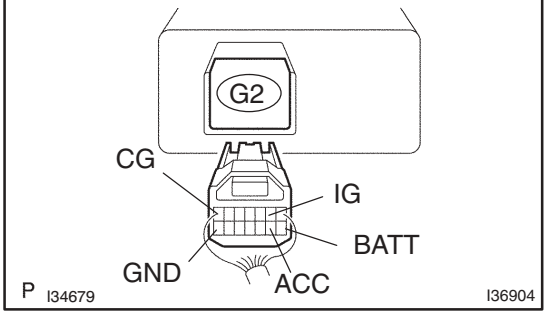
RHD:


Gateway ECU
B–R
2
G2
IG
Engine Room R/B
ACC CUT Relay
A12
IC4
J20
GR
(*1)
2
3
4
GR (*1)
C12
IC4
GR
(*1)
GR
9
G2
ACC
(*1) GR
J/C
A
A (*1)
GR
(*2)
Driver Side J/B
I14 Ignition SW
8
ACC
5
IK
ID
W–G
ACC
3
J/B No.1
GR
1
1D
1
1B
28
ECU–IG
2
IJ
IC
L–Y
4
IG1
AM1
2
B–R
Engine Room R/B
ALT
AM1
W
1
2
2
W–L
Short Pin
Driver Side J/B
4
IL
4
IB
W–R
ECU–B
W–L
J/B No.1
3
1B
3
1D
W–R
W–R
8
G2
BATT
B
J15
J/C
A
W–B
W–B
7
G2
CG
14
W–B
G2
GND
Battery
IL
*1: 1GR–FE
*2: Except 1GR–FE
N
I45203

INSPECTION PROCEDURE

1	INSPECT NETWORK GATEWAY ECU

Wire Harness View:



(a) Disconnect the connector from the network gateway ECU G2.

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

Standard:

Tester connection	Condition	Specified condition
GND – Body ground	Always	Below 1 Ω
CG – Body ground	Always	Below 1 Ω

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

Standard:

Tester connection	Condition	Specified condition
BATT – GND	Always	10 to 14 V
ACC – GND	Ignition SW ACC	10 to 14 V
IG – GND	Ignition SW ON	10 to 14 V

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN DIAGNOSTIC TROUBLE CODE CHART (SEE PAGE 05–1322)