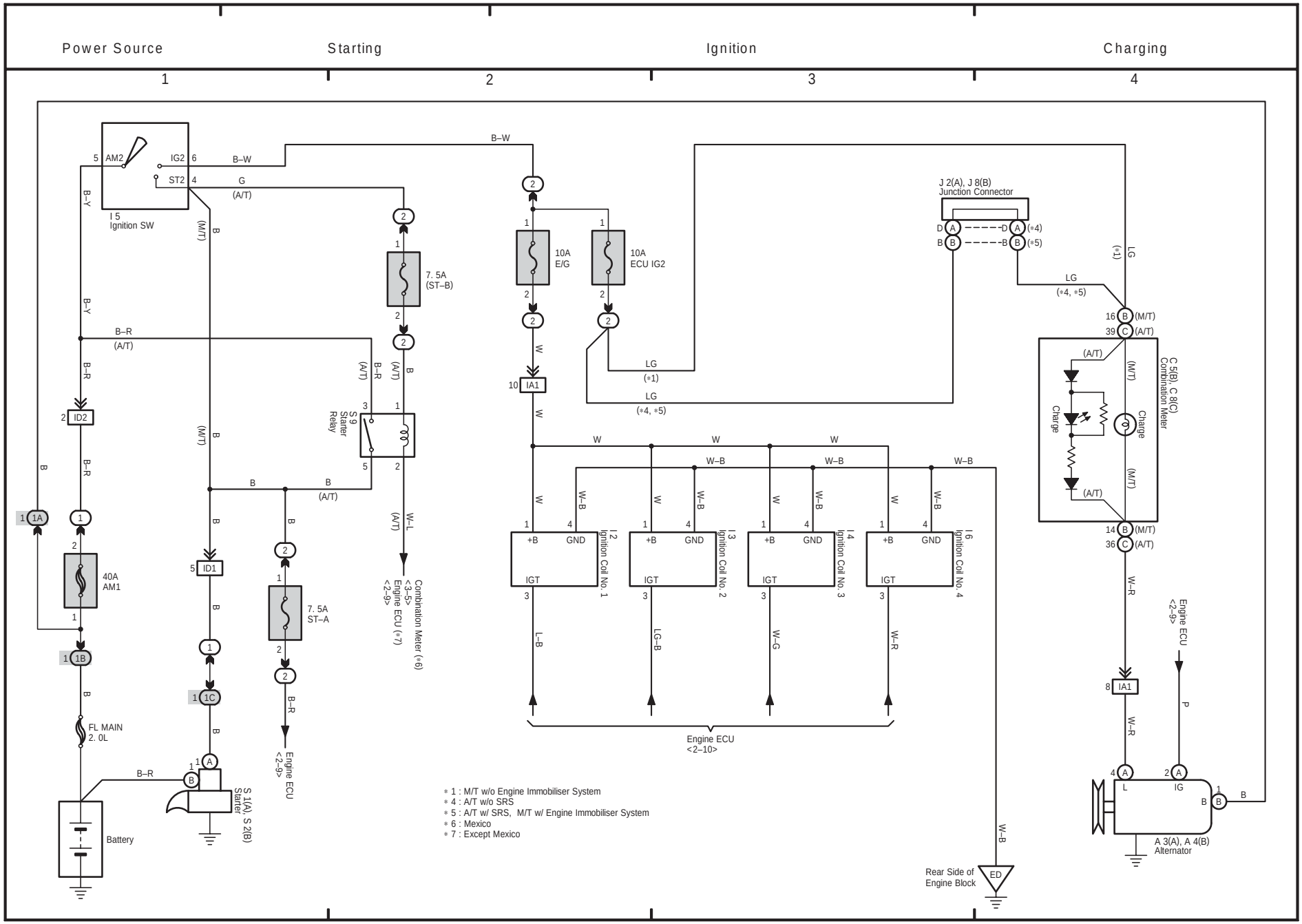
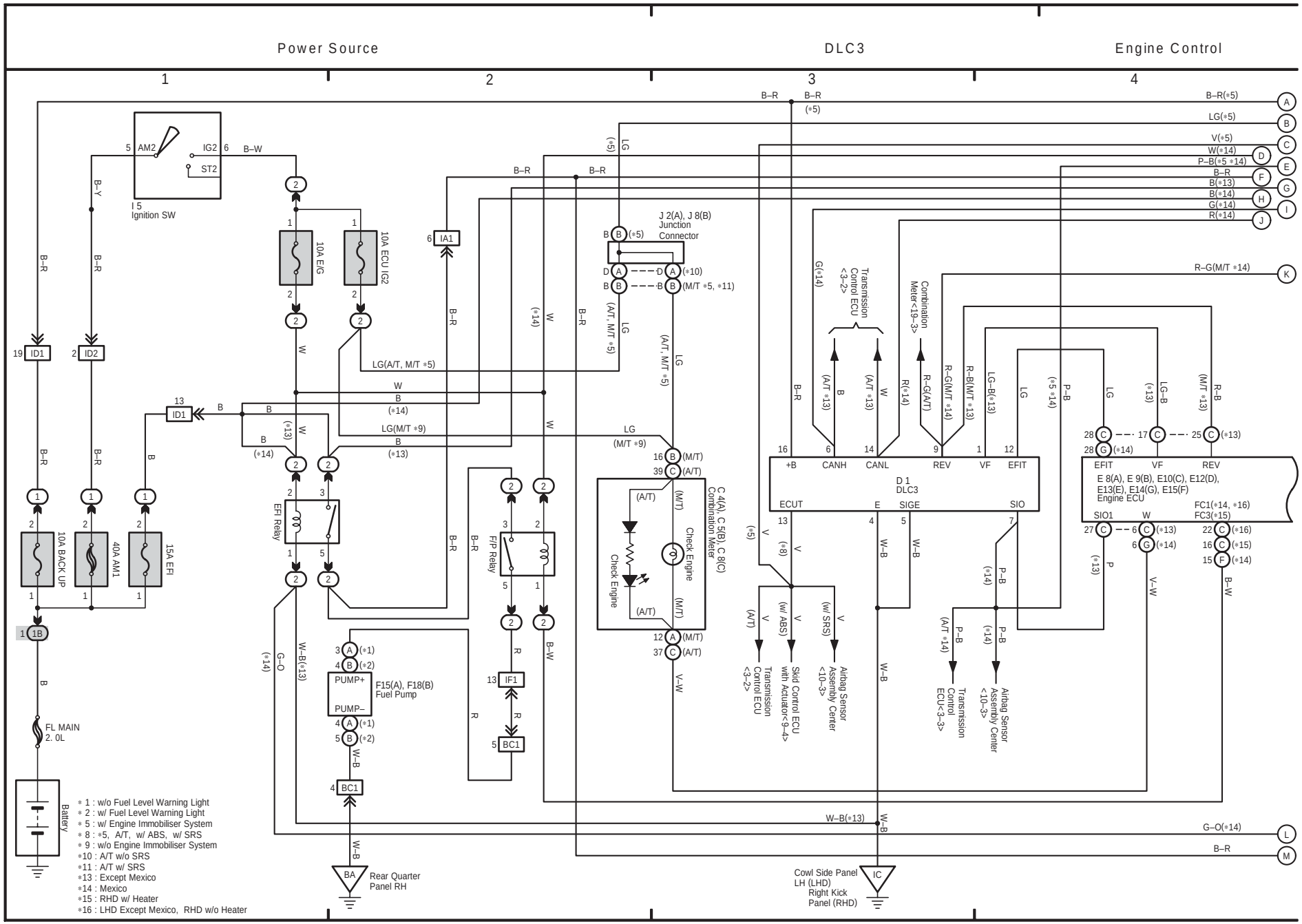
1 AVANZA


Power Source
Starting
Ignition
Charging
1
2
3
4
I 5
Ignition SW
AM2
IG2
ST2
B–W
G
(A/T)
B–Y
B
(M/T)
B–R
(A/T)
ID2
40A
AM1
1A
1B
FL MAIN
2. 0L
Battery
ID1
1C
S 1(A), S 2(B)
Starter
7. 5A
(ST–B)
S 9
Starter
Relay
7. 5A
ST–A
Engine ECU
<2–9>
W–L
(A/T)
Combination Meter (*6)
<3–5>
Engine ECU (*7)
<2–9>
10A
E/G
10A
ECU IG2
IA1
LG
(*1)
LG
(*4, *5)
W
W–B
I 2
Ignition Coil No. 1
I 3
Ignition Coil No. 2
I 4
Ignition Coil No. 3
I 6
Ignition Coil No. 4
+B
GND
IGT
L–B
LG–B
W–G
W–R
Engine ECU
<2–10>
J 2(A), J 8(B)
Junction Connector
(*4)
(*5)
LG
(*4, *5)
(M/T)
(A/T)
C 5(B), C 8(C)
Combination Meter
Charge
W–R
P
IA1
A 3(A), A 4(B)
Alternator
L
IG
B
Rear Side of
Engine Block
ED
* 1 : M/T w/o Engine Immobiliser System
* 4 : A/T w/o SRS
* 5 : A/T w/ SRS, M/T w/ Engine Immobiliser System
* 6 : Mexico
* 7 : Except Mexico

2 AVANZA

(Cont. next page)



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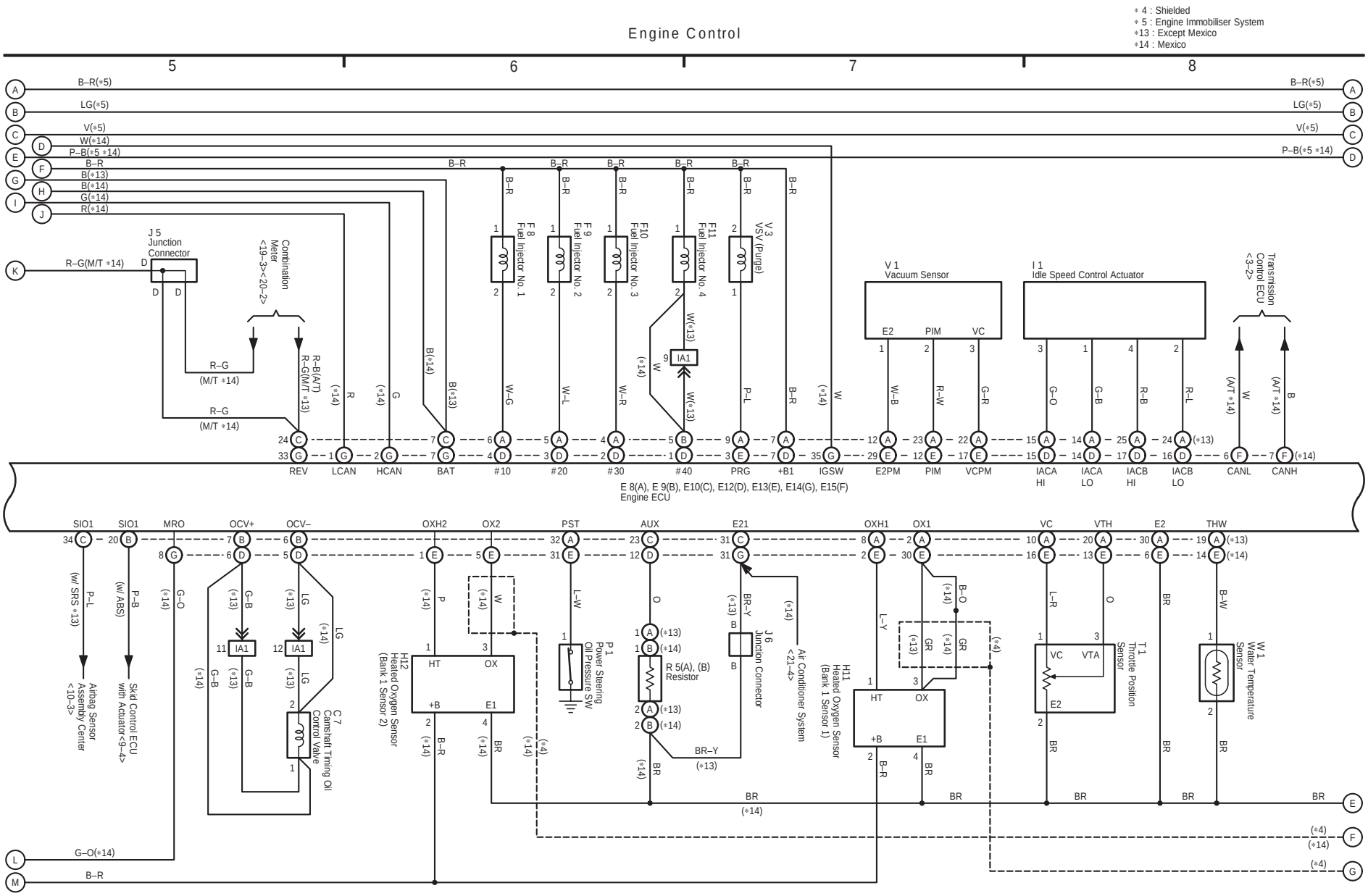
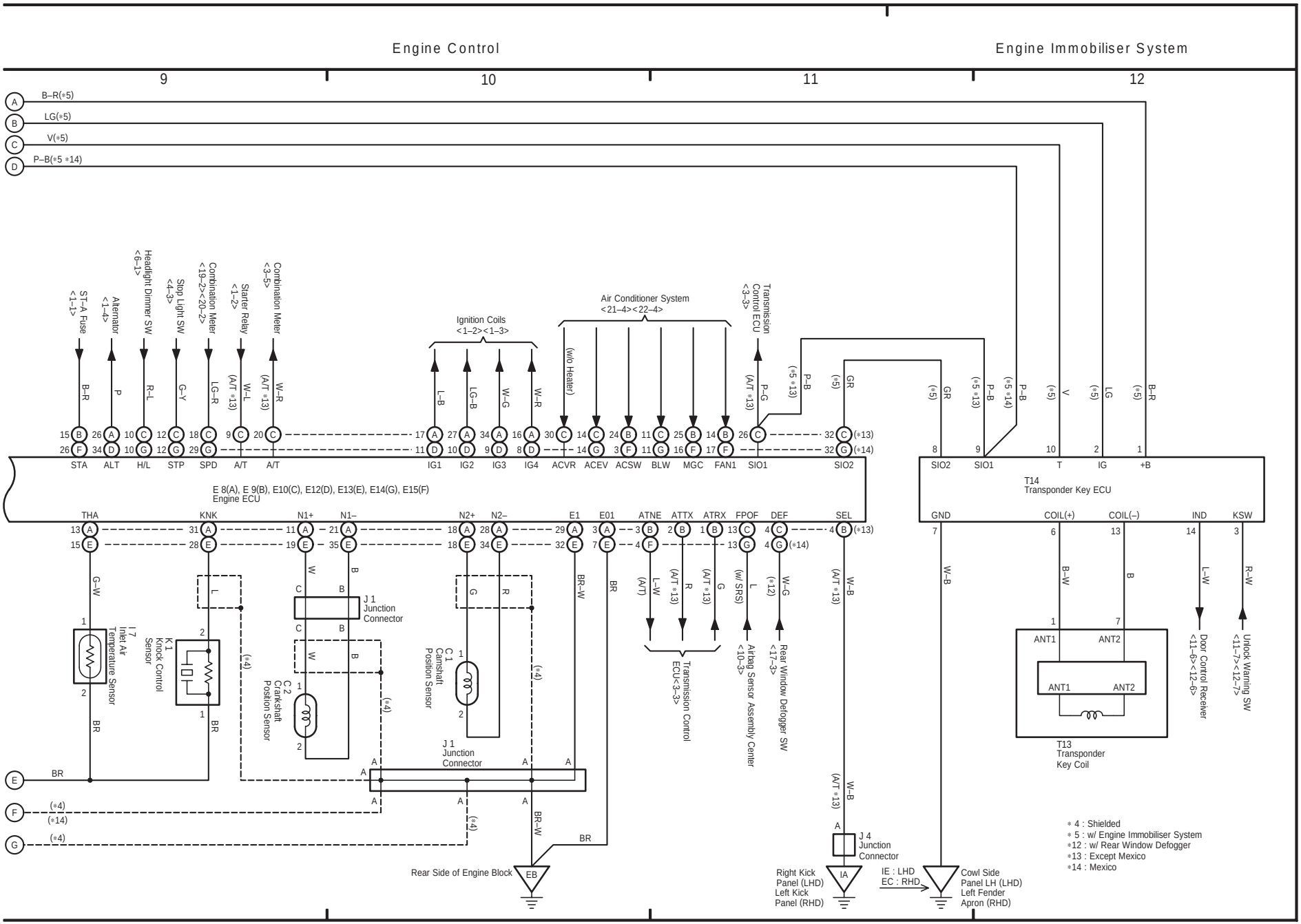


2 AVANZA (Cont' d)



3 AVANZA

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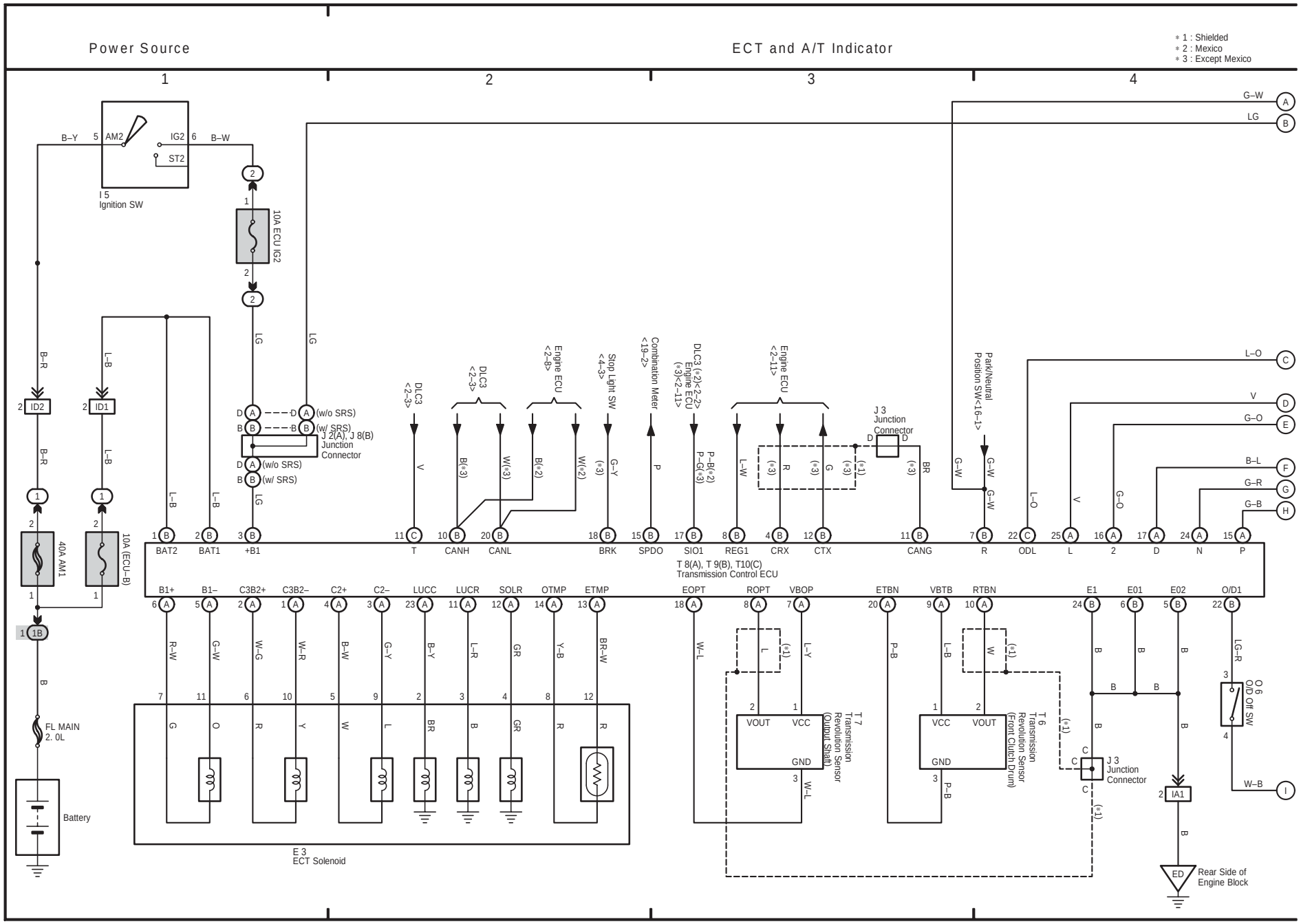
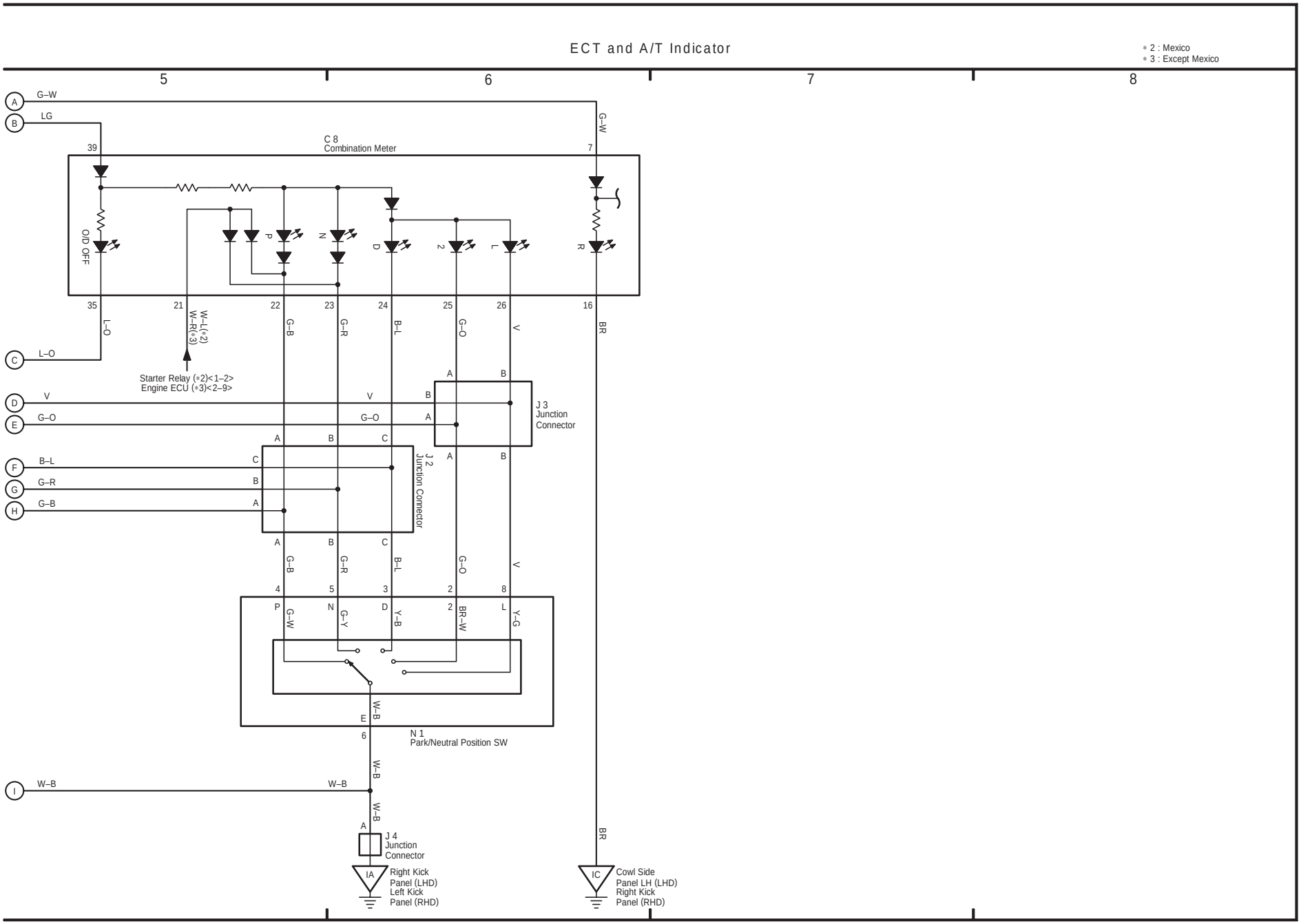
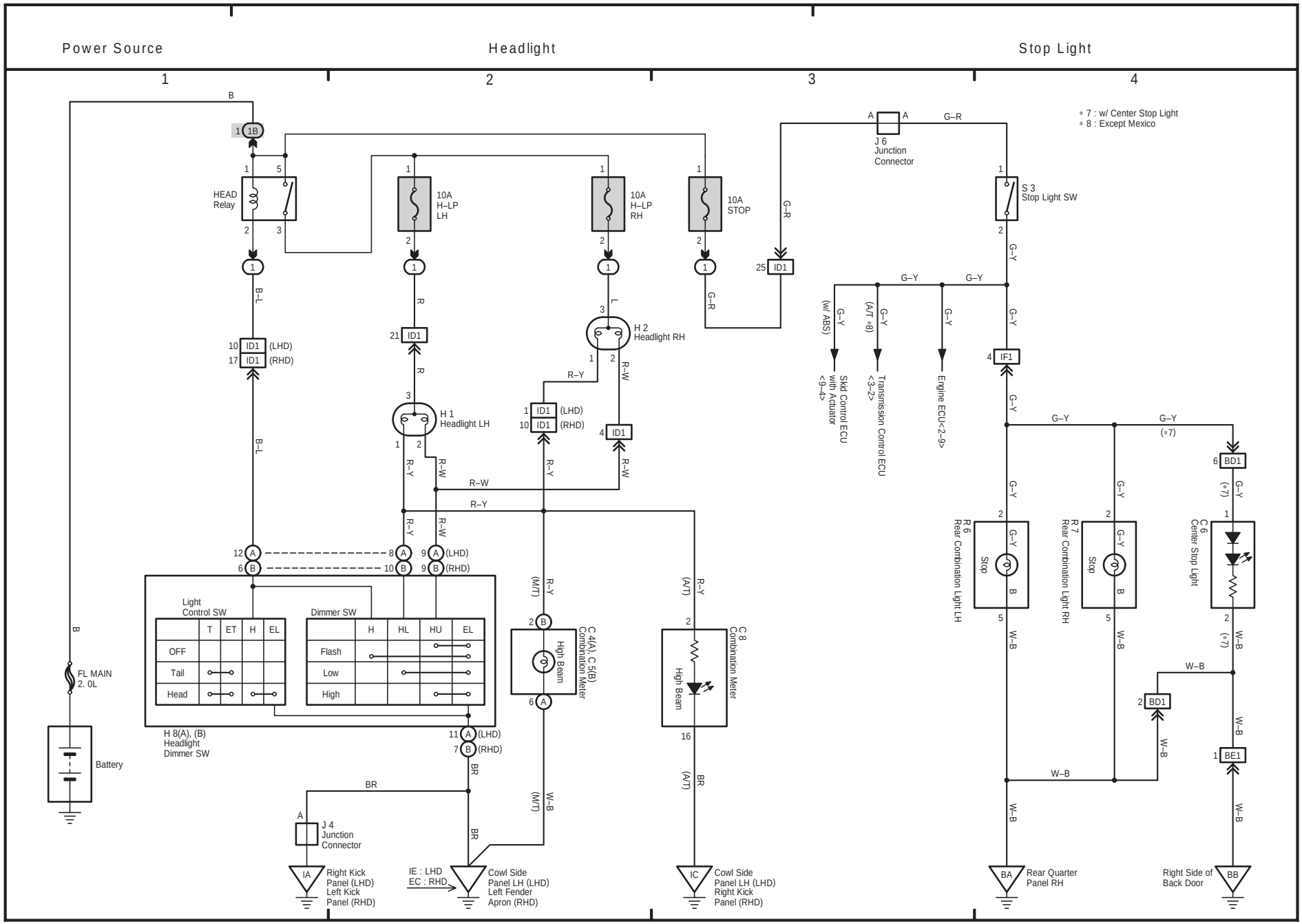
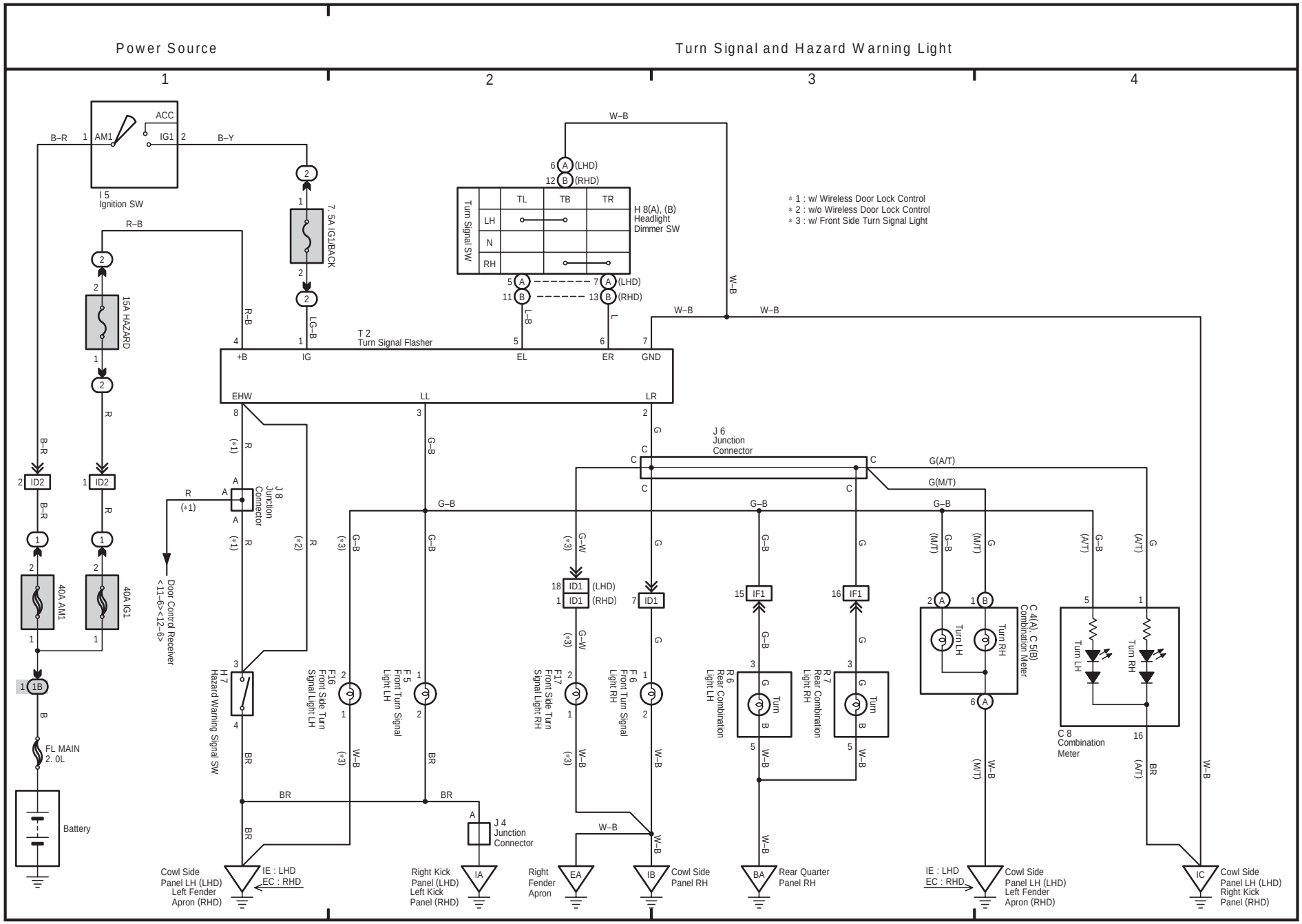


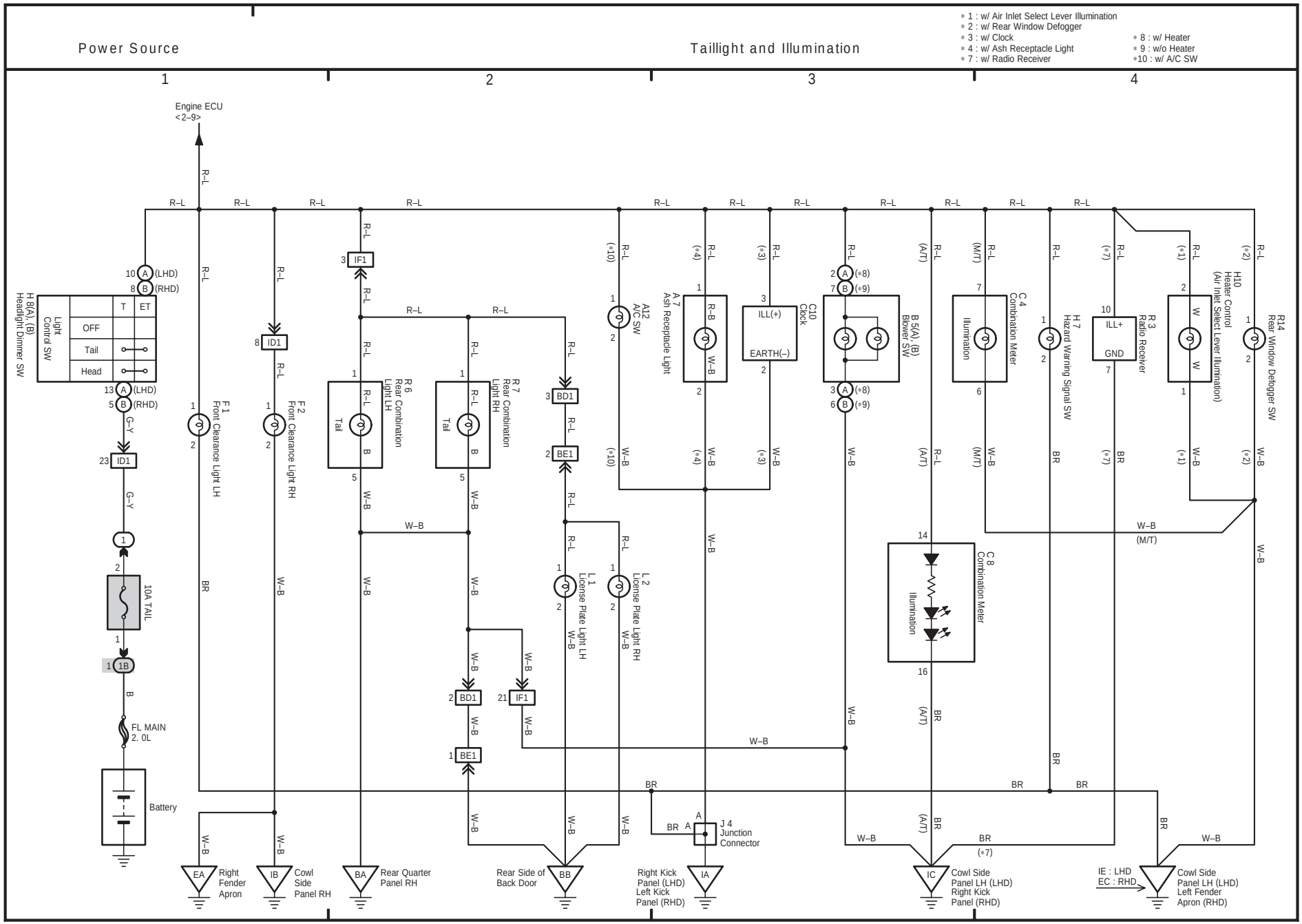

ECT and A/T Indicator
* 2 : Mexico
* 3 : Except Mexico
5
6
7
8
A G–W
B LG
C L–O
D V
E G–O
F B–L
G G–R
H G–B
I W–B
C 8
Combination Meter
39
7
O/D OFF
P
N
D
2
L
R
35
21
22
23
24
25
26
16
L–O
W–L(*2)
W–R(*3)
G–B
G–R
B–L
G–O
V
BR
Starter Relay (*2)<1–2>
Engine ECU (*3)<2–9>
J 3
Junction
Connector
J 2
Junction Connector
4
5
3
2
8
G–W
G–Y
Y–B
BR–W
Y–G
W–B
E
6
N 1
Park/Neutral Position SW
J 4
Junction
Connector
IA
Right Kick
Panel (LHD)
Left Kick
Panel (RHD)
IC
Cowl Side
Panel LH (LHD)
Right Kick
Panel (RHD)

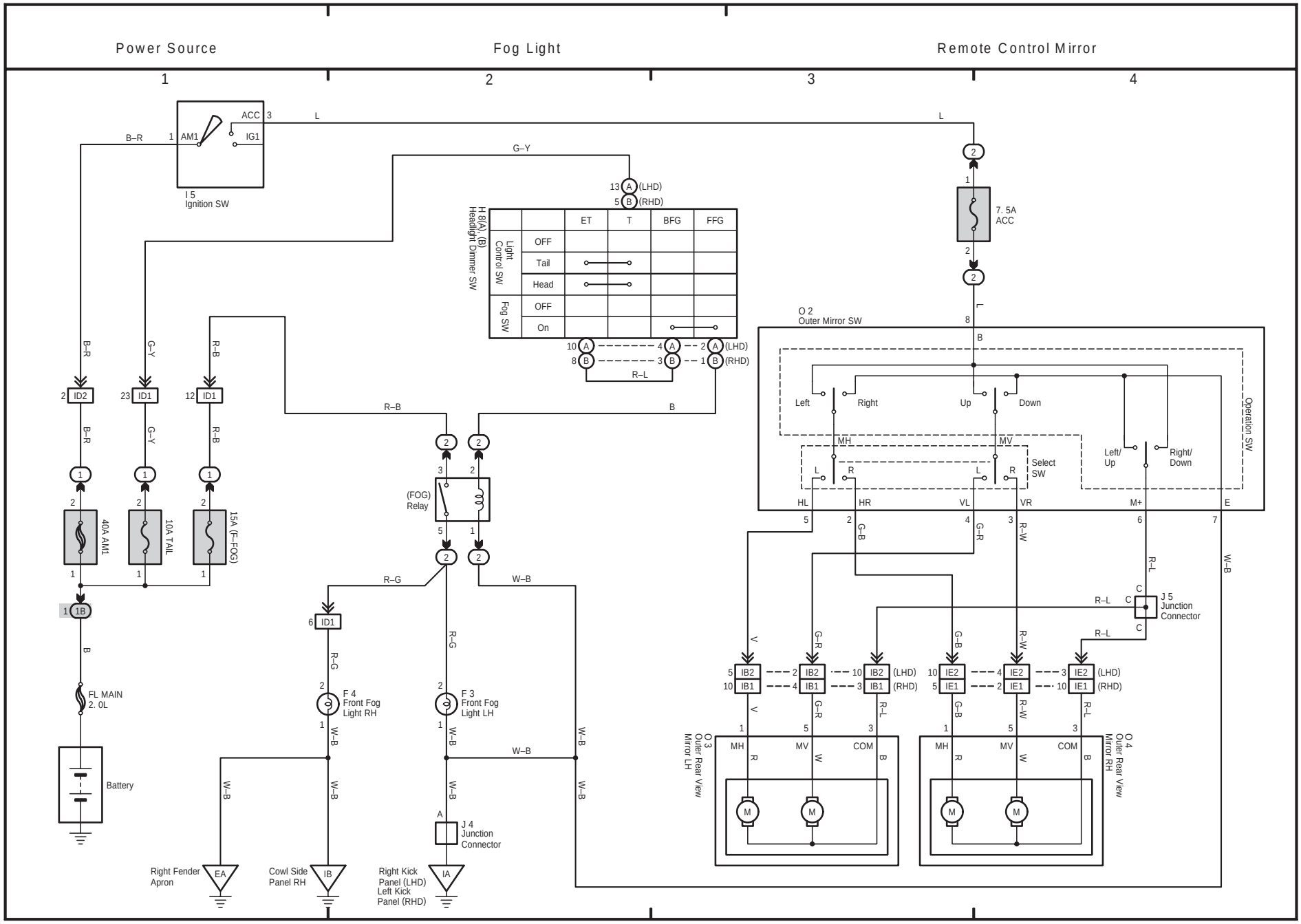
4 AVANZA


Power Source
Headlight
Stop Light
1
2
3
4
∗ 7 : w/ Center Stop Light
∗ 8 : Except Mexico
HEAD Relay
10A H–LP LH
10A H–LP RH
10A STOP
J 6 Junction Connector
S 3 Stop Light SW
H 1 Headlight LH
H 2 Headlight RH
Skid Control ECU with Actuator <9–4>
Transmission Control ECU <3–2>
Engine ECU<2–9>
R 6 Rear Combination Light LH
R 7 Rear Combination Light RH
C 6 Center Stop Light
Light Control SW
Dimmer SW
H 8(A), (B) Headlight Dimmer SW
C 4(A), C 5(B) Combination Meter
C 8 Combination Meter
FL MAIN 2. 0L
Battery
J 4 Junction Connector
Right Kick Panel (LHD) Left Kick Panel (RHD)
IE : LHD
EC : RHD
Cowl Side Panel LH (LHD) Left Fender Apron (RHD)
Cowl Side Panel LH (LHD) Right Kick Panel (RHD)
Rear Quarter Panel RH
Right Side of Back Door


Power Source
Turn Signal and Hazard Warning Light
1
2
3
4
ACC
AM1
IG1
I 5
Ignition SW
B–R
B–Y
7. 5A IG1/BACK
15A HAZARD
R–B
LG–B
T 2
Turn Signal Flasher
+B
IG
EL
ER
GND
EHW
LL
LR
Turn Signal SW
LH
N
RH
TL
TB
TR
H 8(A), (B)
Headlight
Dimmer SW
(LHD)
(RHD)
W–B
L–B
L
∗ 1 : w/ Wireless Door Lock Control
∗ 2 : w/o Wireless Door Lock Control
∗ 3 : w/ Front Side Turn Signal Light
J 6
Junction
Connector
G(A/T)
G(M/T)
G–B
G–W
G
J 8
Junction
Connector
ID2
ID1
IF1
40A AM1
40A IG1
1B
FL MAIN
2. 0L
Battery
Door Control Receiver
<11–6><12–6>
H 7
Hazard Warning Signal SW
F16
Front Side Turn
Signal Light LH
F 5
Front Turn Signal
Light LH
F17
Front Side Turn
Signal Light RH
F 6
Front Turn Signal
Light RH
R 6
Rear Combination
Light LH
R 7
Rear Combination
Light RH
Turn
C 4(A), C 5(B)
Combination Meter
Turn LH
Turn RH
C 8
Combination
Meter
BR
J 4
Junction
Connector
Cowl Side
Panel LH (LHD)
Left Fender
Apron (RHD)
IE : LHD
EC : RHD
Right Kick
Panel (LHD)
Left Kick
Panel (RHD)
IA
Right
Fender
Apron
EA
IB
Cowl Side
Panel RH
BA
Rear Quarter
Panel RH
IC
Cowl Side
Panel LH (LHD)
Right Kick
Panel (RHD)

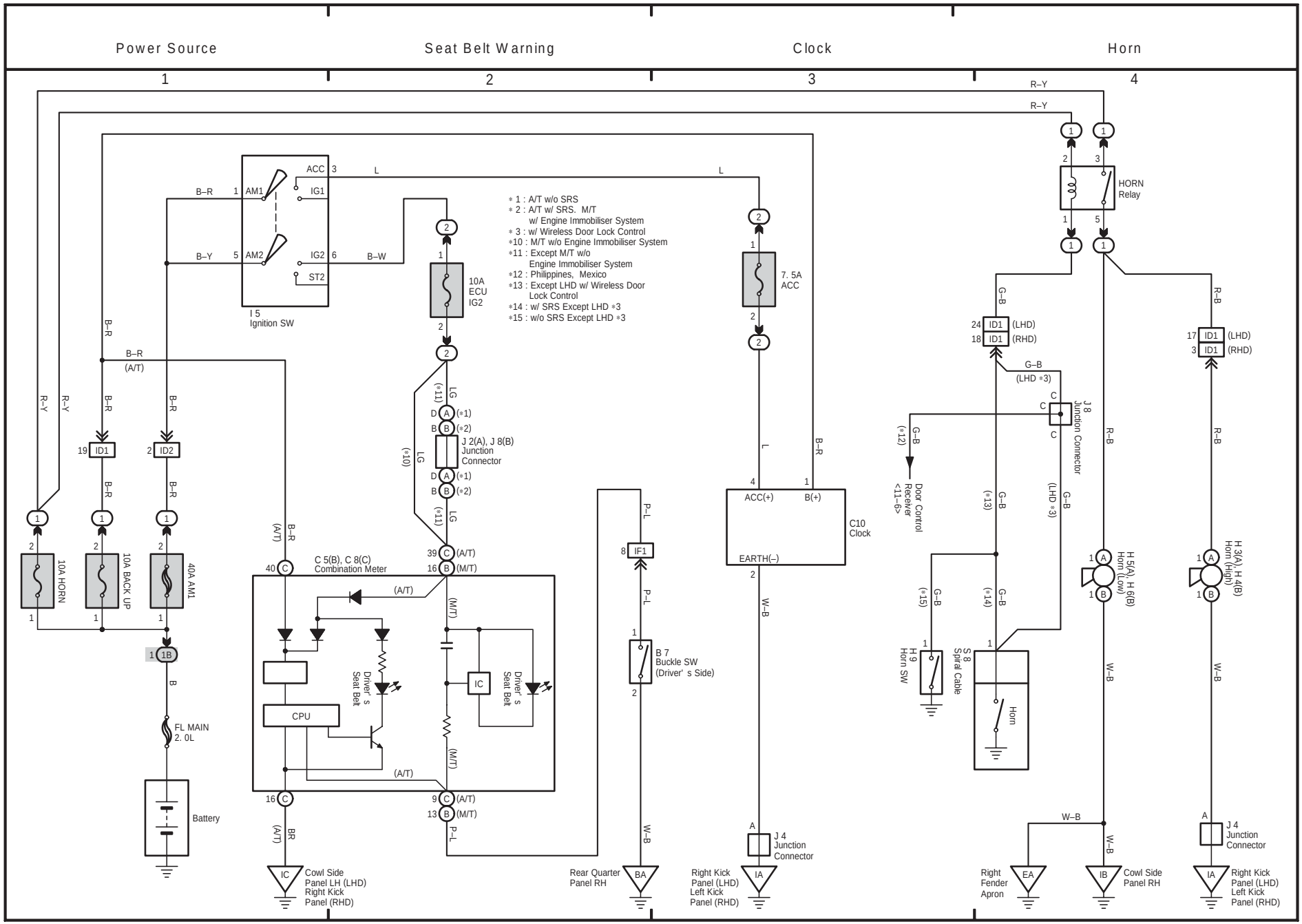
6 AVANZA


Power Source
Taillight and Illumination
* 1 : w/ Air Inlet Select Lever Illumination
* 2 : w/ Rear Window Defogger
* 3 : w/ Clock
* 4 : w/ Ash Receptacle Light
* 7 : w/ Radio Receiver
* 8 : w/ Heater
* 9 : w/o Heater
*10 : w/ A/C SW
1
2
3
4
Engine ECU
<2–9>
Light Control SW
H 8(A), (B)
Headlight Dimmer SW
OFF
Tail
Head
T
ET
(LHD)
(RHD)
F 1
Front Clearance Light LH
F 2
Front Clearance Light RH
R 6
Rear Combination Light LH
R 7
Rear Combination Light RH
Tail
A 12
A/C SW
A 7
Ash Receptacle Light
C 10
Clock
ILL(+)
EARTH(–)
B 5(A), (B)
Blower SW
C 4
Combination Meter
Illumination
H 7
Hazard Warning Signal SW
R 3
Radio Receiver
ILL+
GND
H 10
Heater Control
(Air Inlet Select Lever Illumination)
R14
Rear Window Defogger SW
C 8
Combination Meter
Illumination
L 1
License Plate Light LH
L 2
License Plate Light RH
10A TAIL
FL MAIN
2. 0L
Battery
J 4
Junction Connector
EA
Right Fender Apron
IB
Cowl Side Panel RH
BA
Rear Quarter Panel RH
Rear Side of Back Door
BB
Right Kick Panel (LHD) Left Kick Panel (RHD)
IA
IC
Cowl Side Panel LH (LHD) Right Kick Panel (RHD)
IE : LHD
EC : RHD
Cowl Side Panel LH (LHD) Left Fender Apron (RHD)


Power Source
Fog Light
Remote Control Mirror
1
2
3
4
I 5
Ignition SW
ACC
AM1
IG1
B–R
L
G–Y
H 8(A), (B)
Headlight Dimmer SW
Light Control SW
Fog SW
ET
T
BFG
FFG
OFF
Tail
Head
OFF
On
(LHD)
(RHD)
R–L
7. 5A
ACC
O 2
Outer Mirror SW
Left
Right
Up
Down
Operation SW
MH
MV
Select SW
Left/ Up
Right/ Down
HL
HR
VL
VR
M+
E
ID2
ID1
R–B
B
40A AM1
10A TAIL
15A (F–FOG)
1B
FL MAIN
2. 0L
Battery
(FOG) Relay
R–G
W–B
F 4
Front Fog Light RH
F 3
Front Fog Light LH
J 4
Junction Connector
J 5
Junction Connector
IB2
IB1
IE2
IE1
O 3
Outer Rear View Mirror LH
O 4
Outer Rear View Mirror RH
COM
Right Fender Apron
EA
Cowl Side Panel RH
IB
Right Kick Panel (LHD) Left Kick Panel (RHD)
IA

M OVERALL ELECTRICAL WIRING DIAGRAM

8 AVANZA



9 AVANZA

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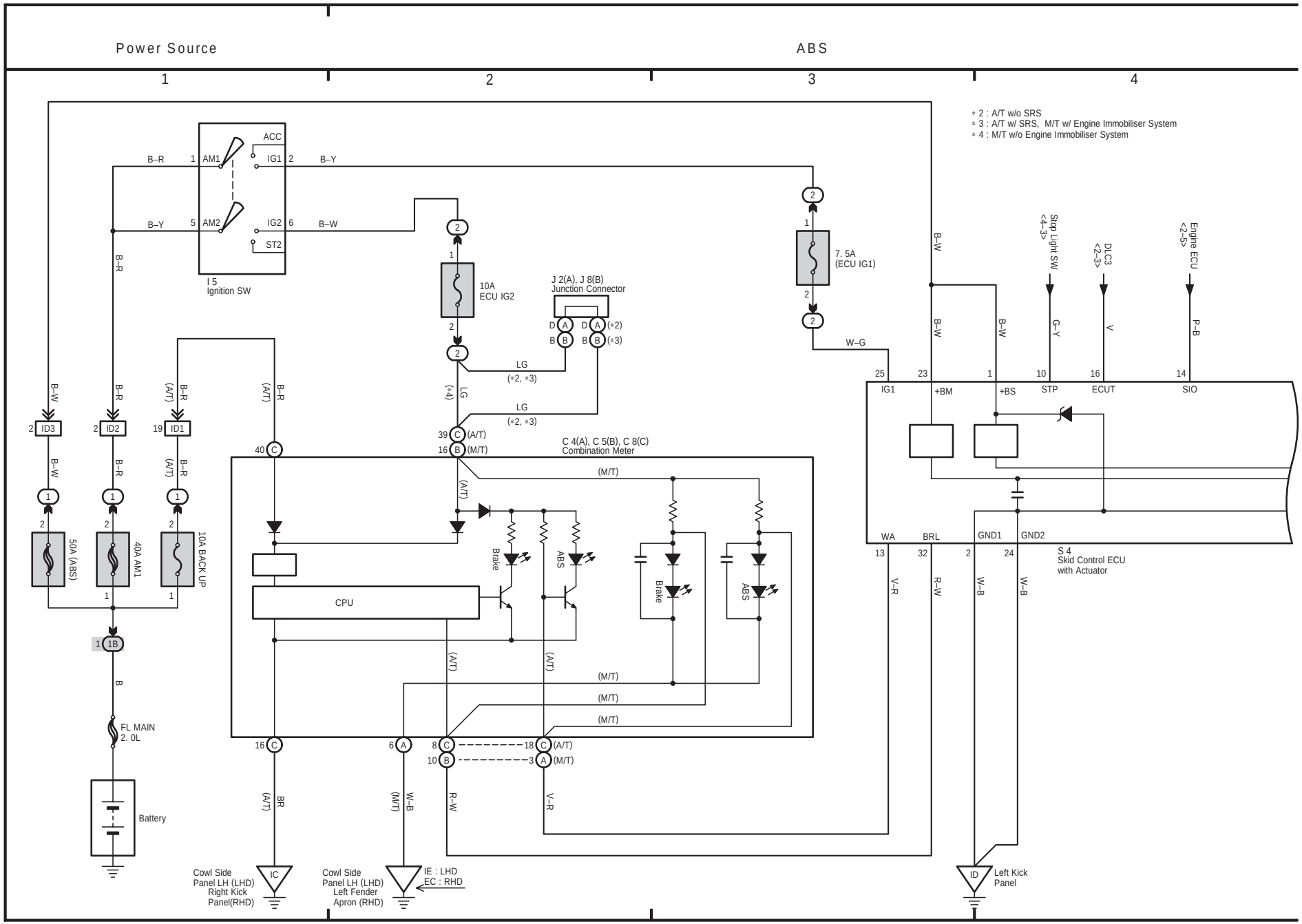
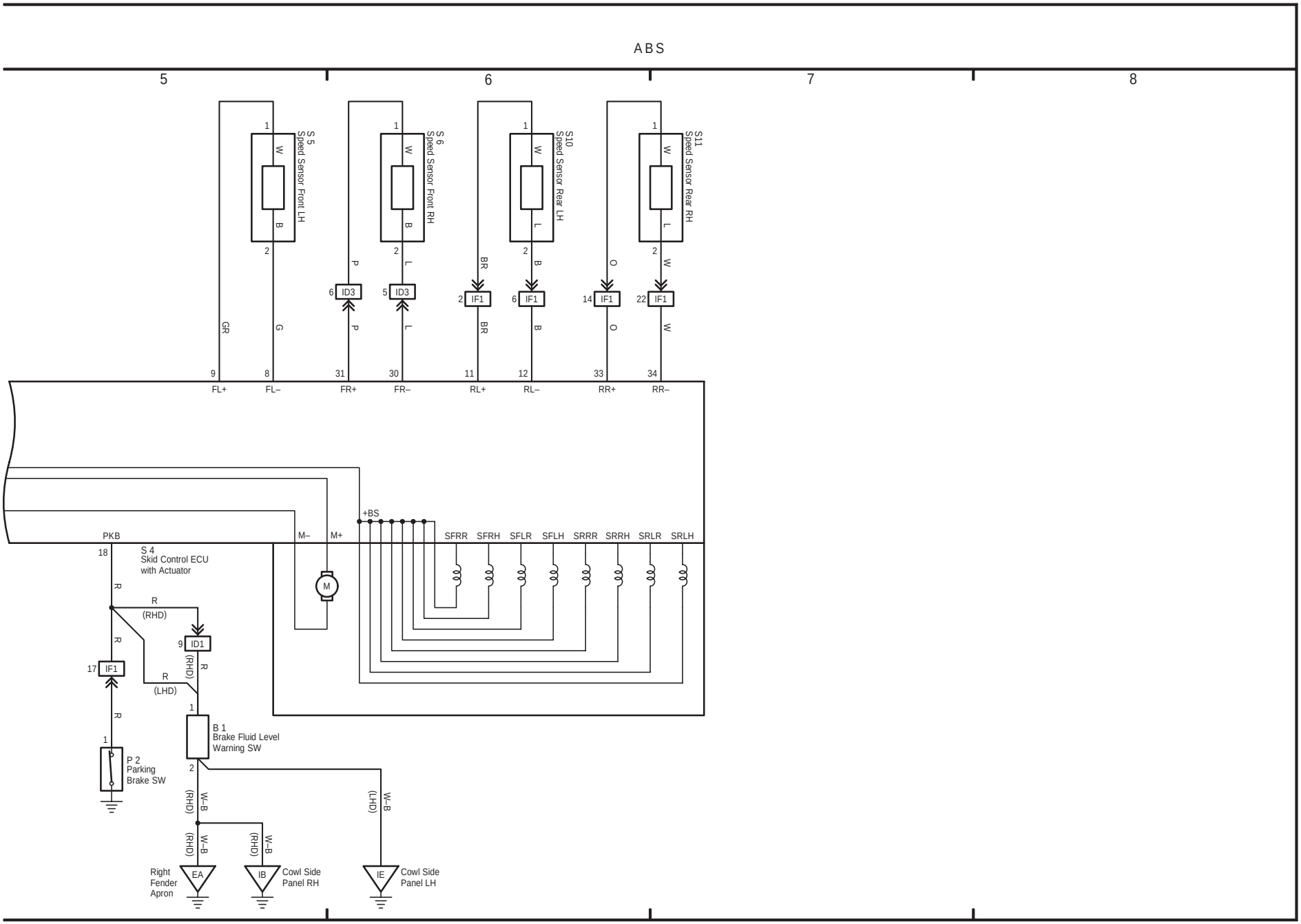
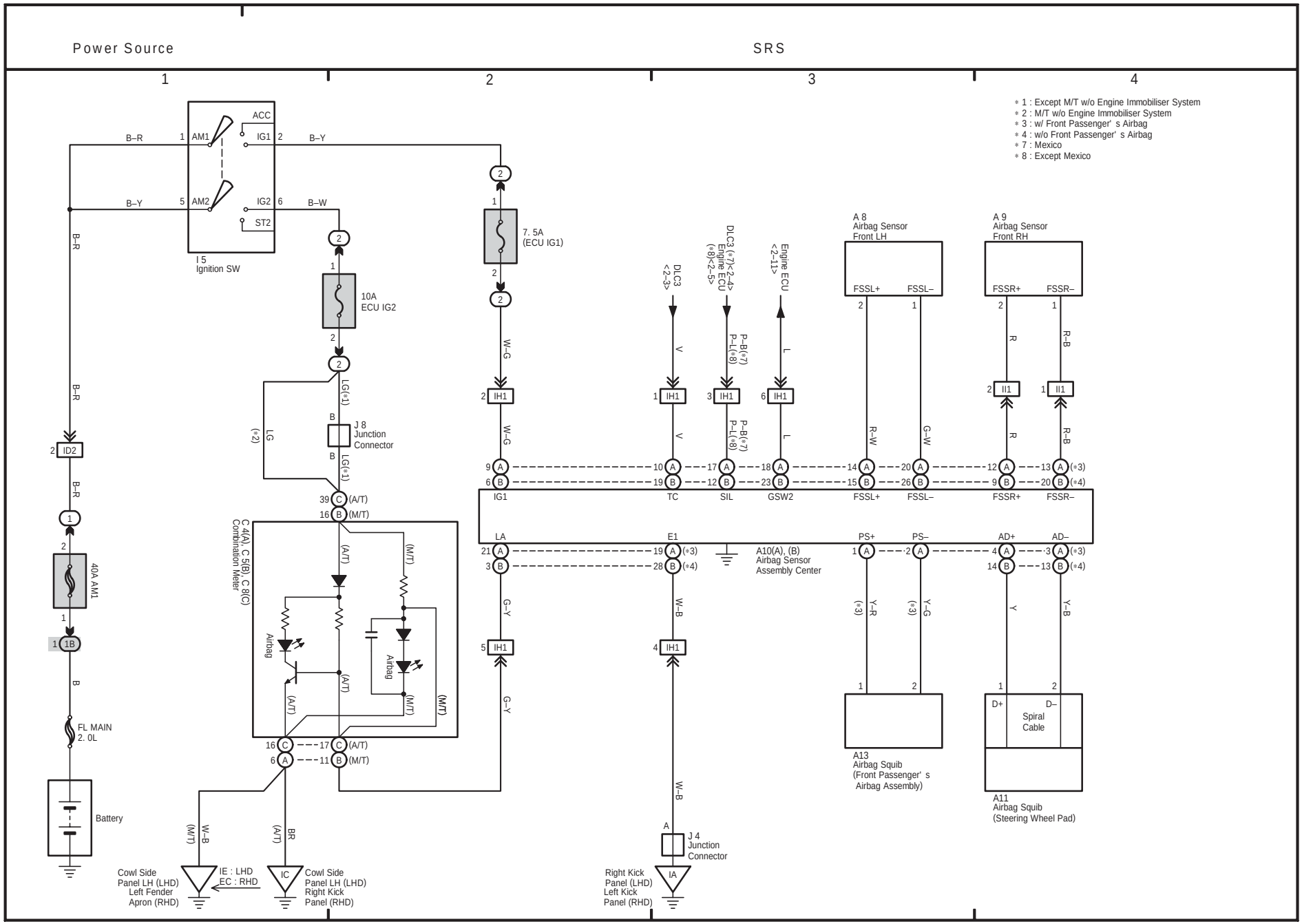


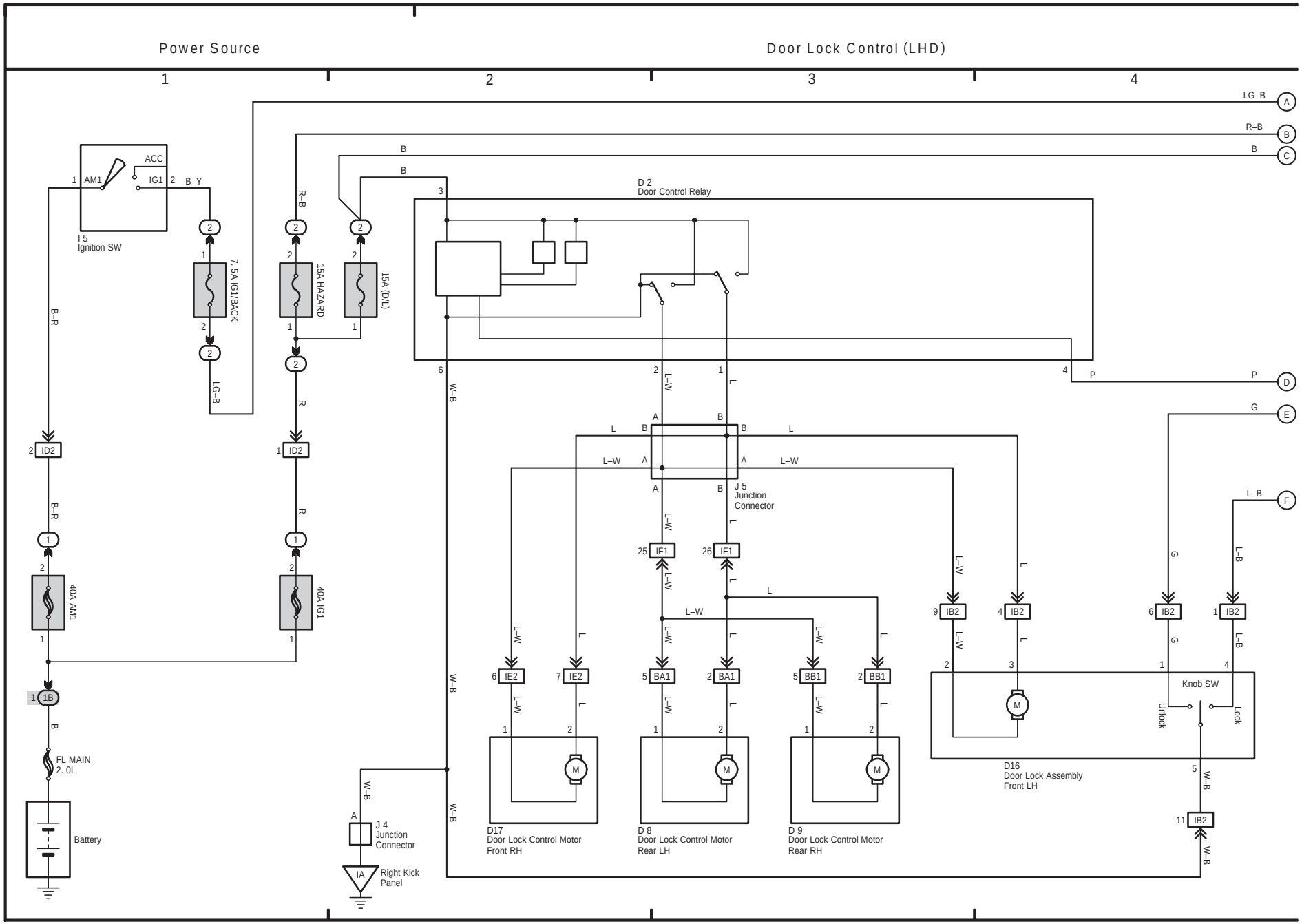

ABS
5
6
7
8
S 5
Speed Sensor Front LH
S 6
Speed Sensor Front RH
S10
Speed Sensor Rear LH
S11
Speed Sensor Rear RH
ID3
IF1
FL+
FL–
FR+
FR–
RL+
RL–
RR+
RR–
+BS
PKB
M–
M+
SFRR
SFRH
SFLR
SFLH
SRRR
SRRH
SRLR
SRLH
S 4
Skid Control ECU
with Actuator
(RHD)
(LHD)
ID1
B 1
Brake Fluid Level
Warning SW
P 2
Parking
Brake SW
Right
Fender
Apron
EA
IB
Cowl Side
Panel RH
IE
Cowl Side
Panel LH

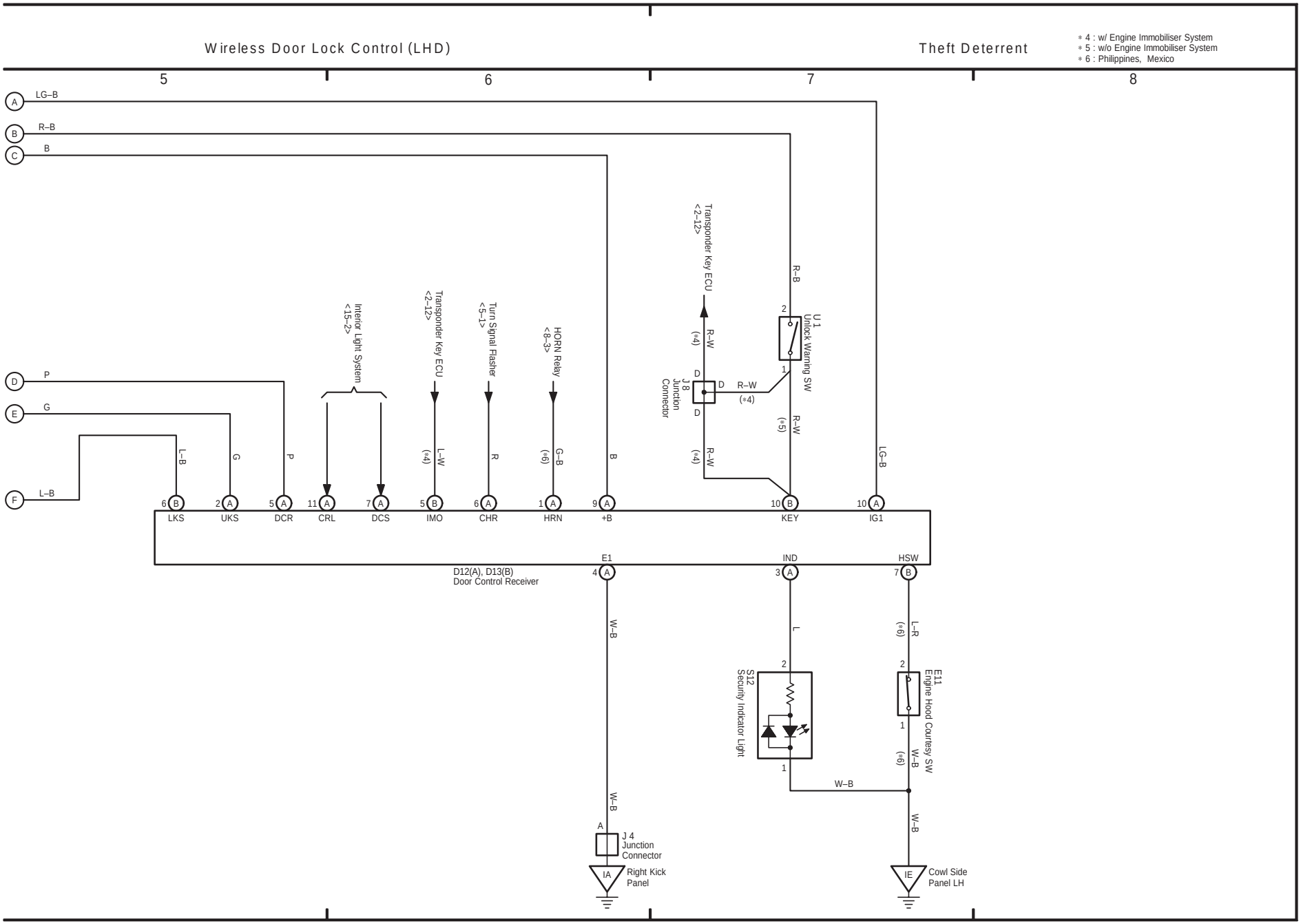
10 AVANZA


Power Source
SRS
1
2
3
4
* 1 : Except M/T w/o Engine Immobiliser System
* 2 : M/T w/o Engine Immobiliser System
* 3 : w/ Front Passenger' s Airbag
* 4 : w/o Front Passenger' s Airbag
* 7 : Mexico
* 8 : Except Mexico
ACC
IG1
AM1
IG2
AM2
ST2
I 5
Ignition SW
B–R
B–Y
B–W
7. 5A
(ECU IG1)
10A
ECU IG2
J 8
Junction
Connector
LG(*1)
LG
(*2)
ID2
40A AM1
1B
FL MAIN
2. 0L
Battery
C 4(A), C 5(B), C 8(C)
Combination Meter
Airbag
(A/T)
(M/T)
Cowl Side
Panel LH (LHD)
Left Fender
Apron (RHD)
IE : LHD
EC : RHD
IC
Cowl Side
Panel LH (LHD)
Right Kick
Panel (RHD)
W–G
W–B
BR
DLC3
<2–3>
DLC3 (*7)<2–4>
Engine ECU
(*8)<2–5>
Engine ECU
<2–11>
V
P–B(*7)
P–L(*8)
L
IH1
II1
J 4
Junction
Connector
IA
Right Kick
Panel (LHD)
Left Kick
Panel (RHD)
A 8
Airbag Sensor
Front LH
FSSL+
FSSL–
A 9
Airbag Sensor
Front RH
FSSR+
FSSR–
R
R–B
R–W
G–W
IG1
TC
SIL
GSW2
LA
E1
PS+
PS–
AD+
AD–
A10(A), (B)
Airbag Sensor
Assembly Center
G–Y
W–B
Y–R
Y–G
Y
Y–B
A13
Airbag Squib
(Front Passenger' s
Airbag Assembly)
D+
D–
Spiral
Cable
A11
Airbag Squib
(Steering Wheel Pad)

11 AVANZA

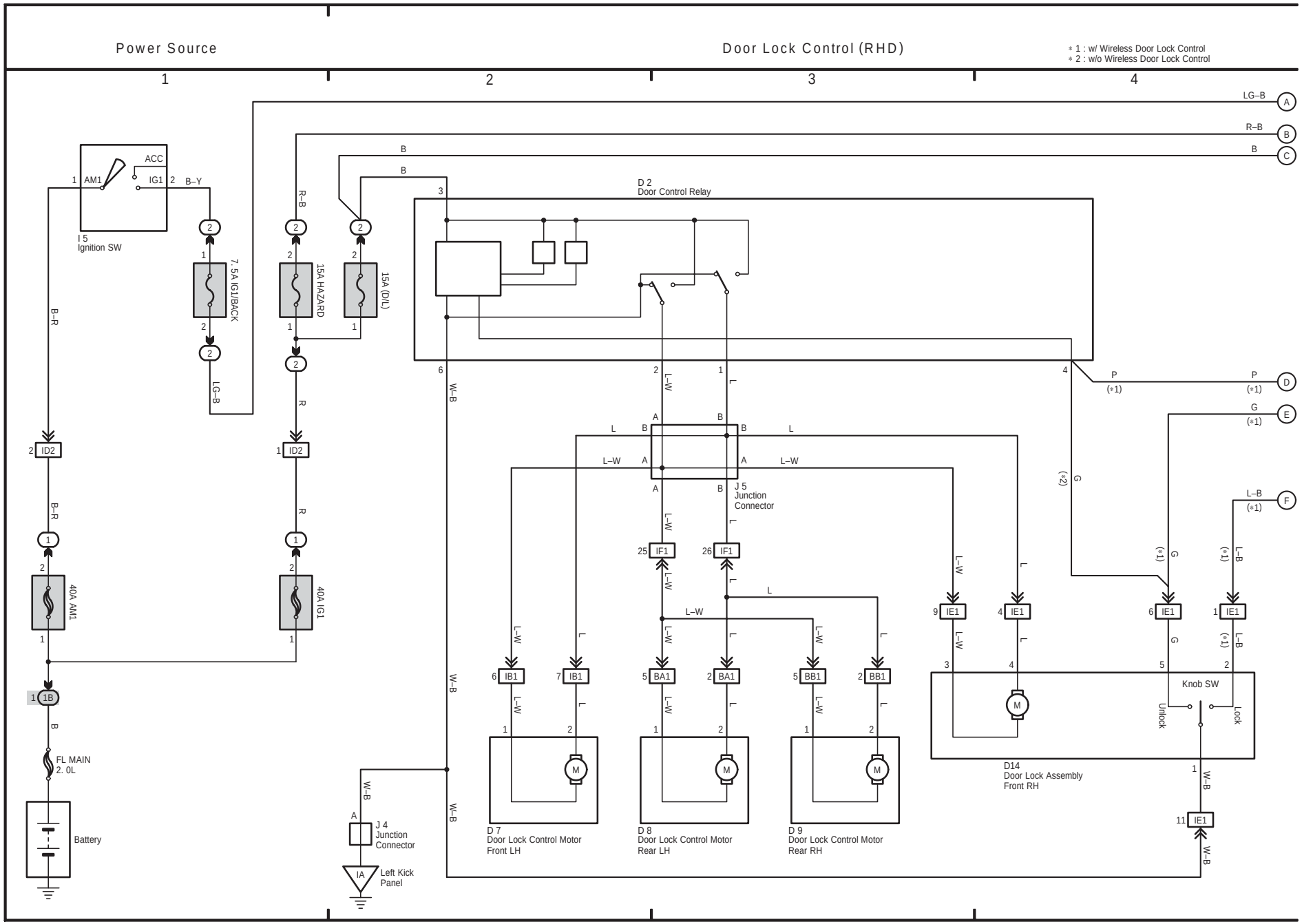
(Cont. next page)

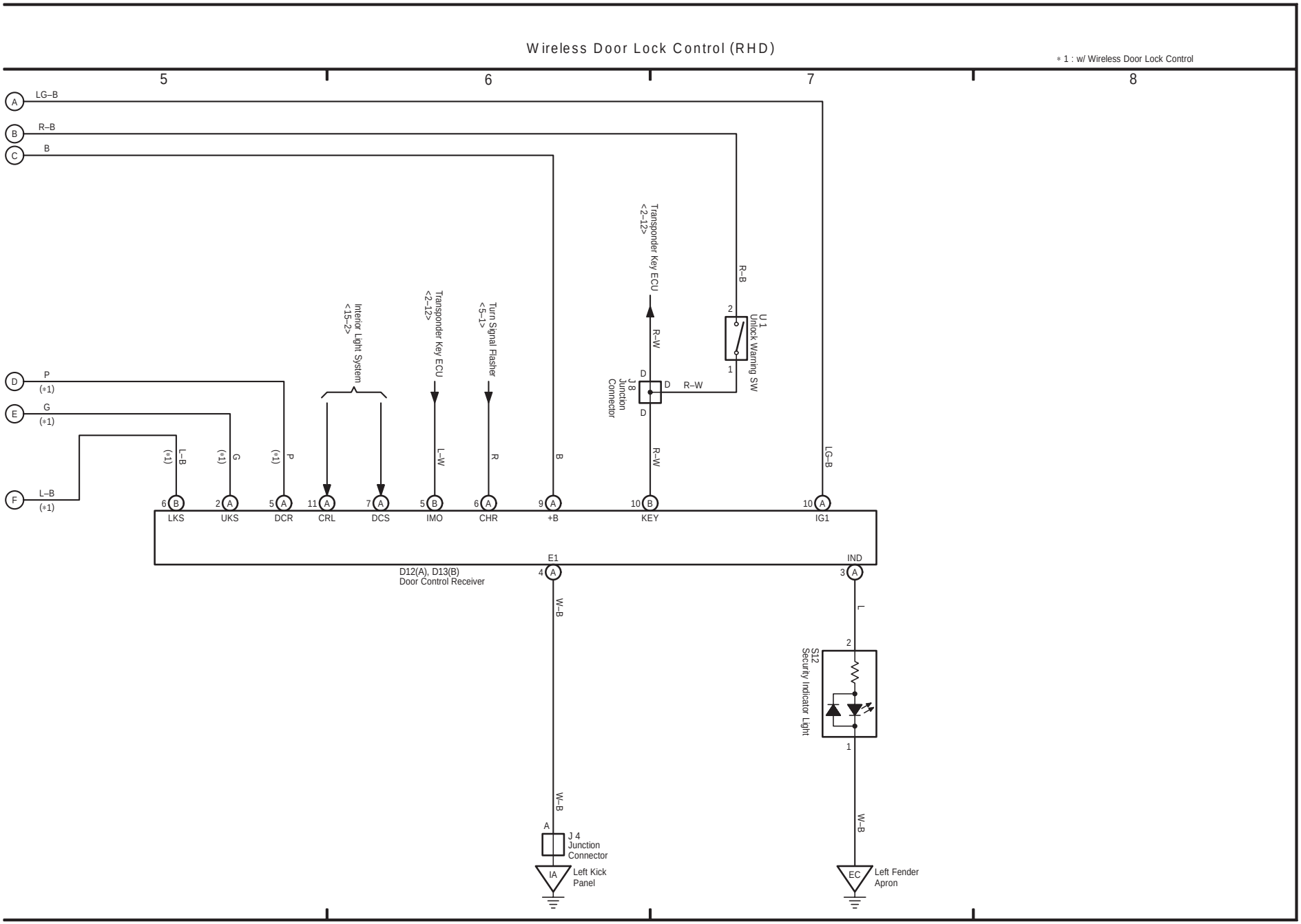



Wireless Door Lock Control (LHD)
Theft Deterrent
* 4 : w/ Engine Immobiliser System
* 5 : w/o Engine Immobiliser System
* 6 : Philippines, Mexico
5
6
7
8
LG–B
R–B
B
P
G
L–B
Interior Light System <15–2>
Transponder Key ECU <2–12>
Turn Signal Flasher <5–1>
HORN Relay <8–3>
Transponder Key ECU <2–12>
U 1 Unlock Warning SW
J 8 Junction Connector
R–W
(*4)
(*5)
(*6)
LKS
UKS
DCR
CRL
DCS
IMO
CHR
HRN
+B
KEY
IG1
D12(A), D13(B) Door Control Receiver
E1
IND
HSW
W–B
L
L–R
S12 Security Indicator Light
E11 Engine Hood Courtesy SW
J 4 Junction Connector
IA
Right Kick Panel
IE
Cowl Side Panel LH

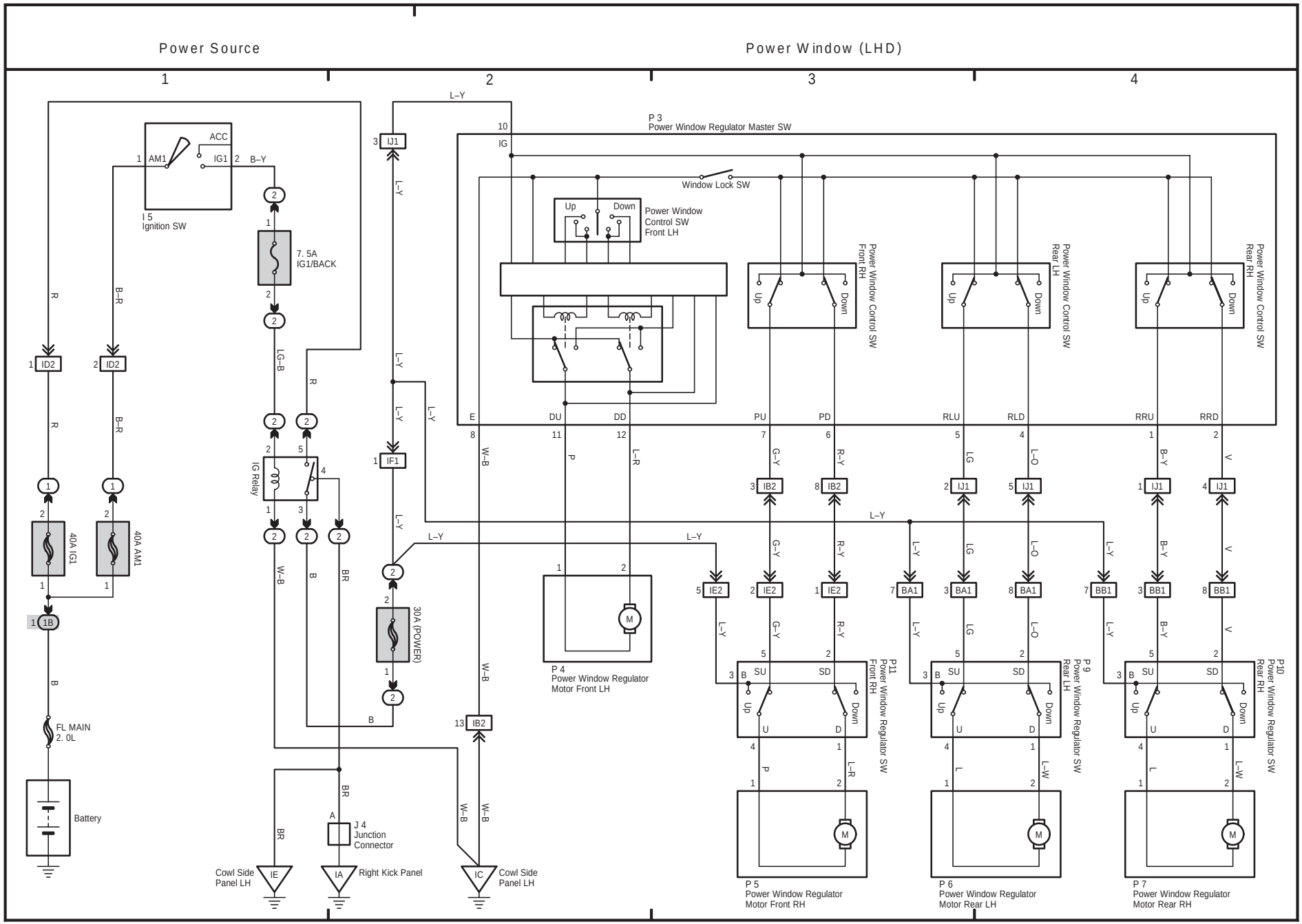
12 AVANZA

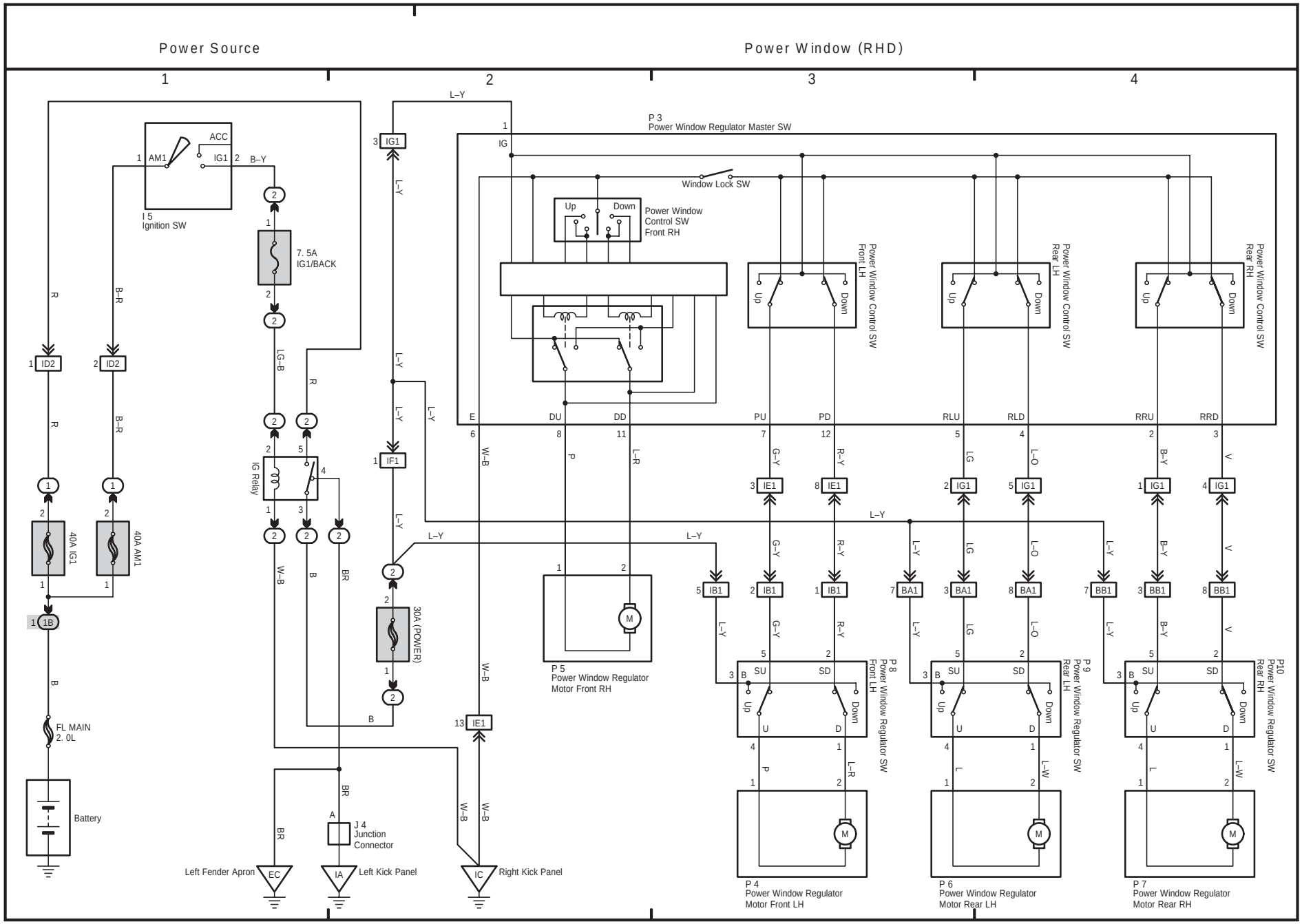
(Cont. next page)



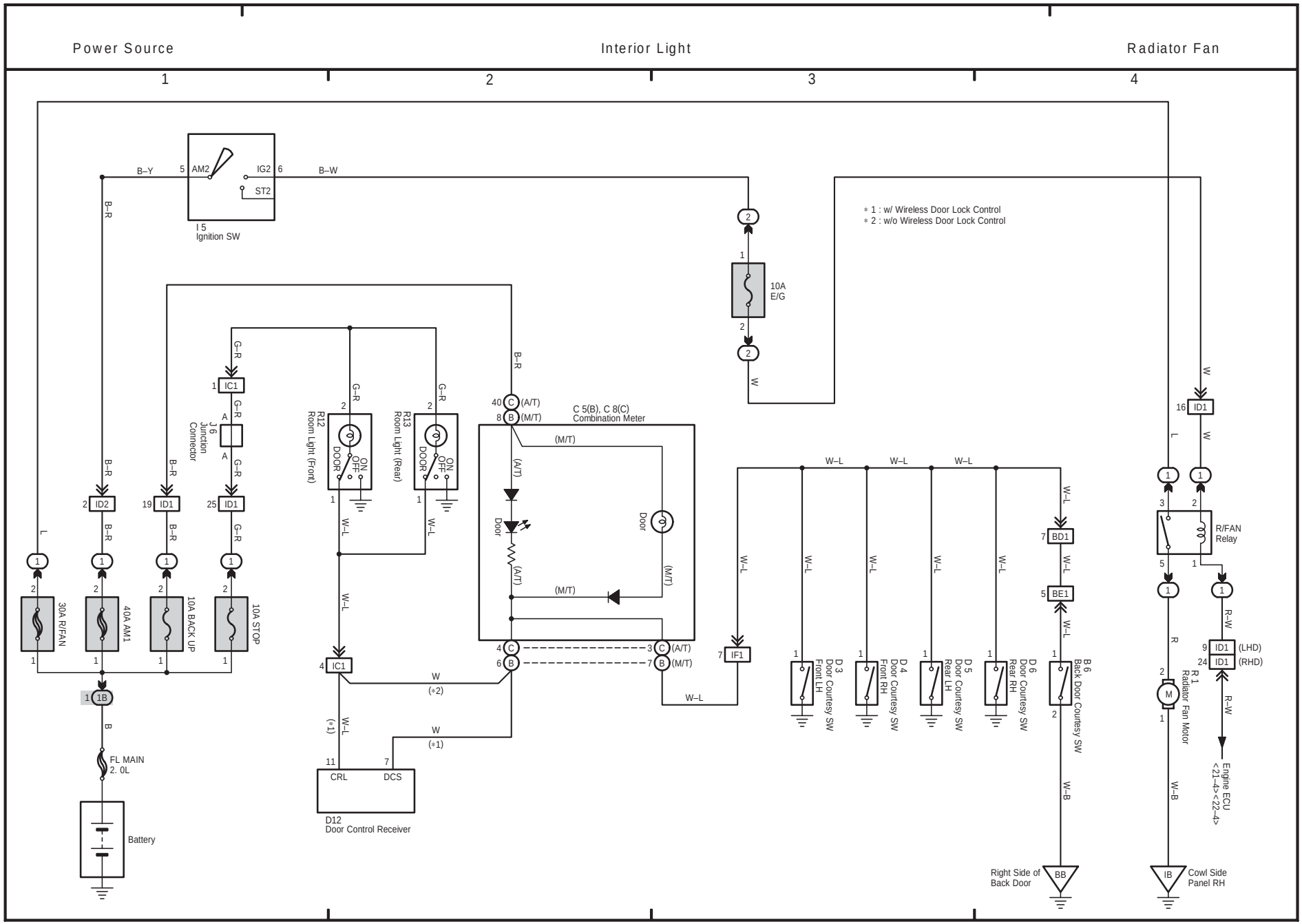

Wireless Door Lock Control (RHD)
* 1 : w/ Wireless Door Lock Control
5
6
7
8
A LG–B
B R–B
C B
D P (*1)
E G (*1)
F L–B (*1)
Interior Light System <15–2>
Transponder Key ECU <2–12>
Turn Signal Flasher <5–1>
Transponder Key ECU <2–12>
U 1 Unlock Warning SW
J 8 Junction Connector
R–W
L–B (*1)
G (*1)
P (*1)
L–W
R
B
LG–B
6 B LKS
2 A UKS
5 A DCR
11 A CRL
7 A DCS
5 B IMO
6 A CHR
9 A +B
10 B KEY
10 A IG1
D12(A), D13(B) Door Control Receiver
E1
4 A
IND
3 A
W–B
L
S12 Security Indicator Light
J 4 Junction Connector
IA Left Kick Panel
EC Left Fender Apron

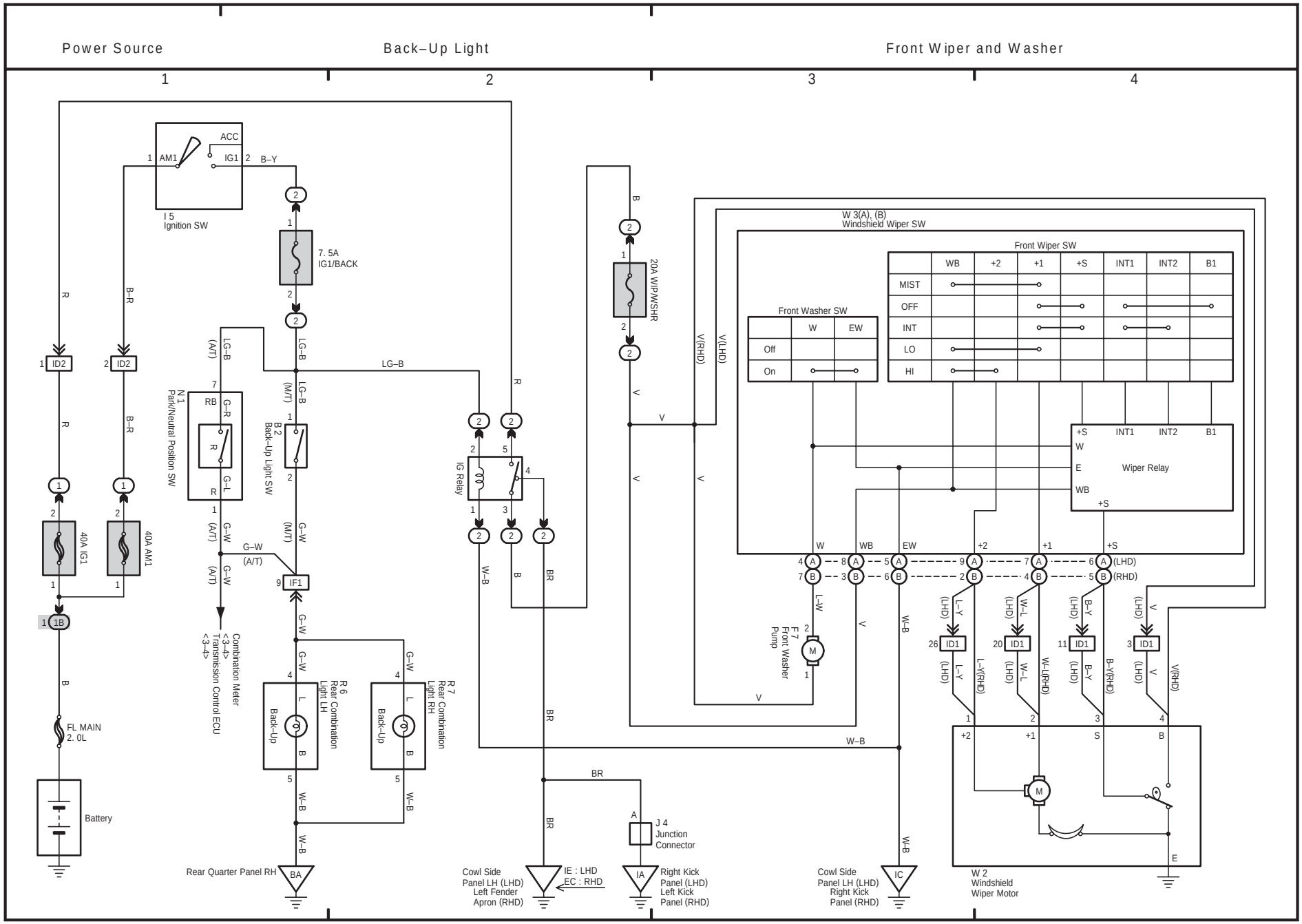
13 AVANZA


Power Source
Power Window (LHD)
1
2
3
4
I 5
Ignition SW
ACC
AM1
IG1
B–Y
7. 5A
IG1/BACK
IG Relay
40A IG1
40A AM1
FL MAIN
2. 0L
Battery
30A (POWER)
J 4
Junction
Connector
Cowl Side
Panel LH
Right Kick Panel
P 3
Power Window Regulator Master SW
Window Lock SW
Power Window
Control SW
Front LH
Up
Down
Power Window Control SW
Front RH
Power Window Control SW
Rear LH
Power Window Control SW
Rear RH
P 4
Power Window Regulator
Motor Front LH
P 5
Power Window Regulator
Motor Front RH
P 6
Power Window Regulator
Motor Rear LH
P 7
Power Window Regulator
Motor Rear RH
P11
Power Window Regulator SW
Front RH
P 9
Power Window Regulator SW
Rear LH
P10
Power Window Regulator SW
Rear RH


Power Source
Power Window (RHD)
1
2
3
4
I 5
Ignition SW
ACC
AM1
IG1
B–Y
7. 5A
IG1/BACK
ID2
40A IG1
40A AM1
1B
FL MAIN
2. 0L
Battery
IG Relay
IF1
30A (POWER)
IG1
IE1
IB1
BA1
BB1
P 3
Power Window Regulator Master SW
Window Lock SW
Up
Down
Power Window
Control SW
Front RH
Power Window Control SW
Front LH
Power Window Control SW
Rear LH
Power Window Control SW
Rear RH
P 5
Power Window Regulator
Motor Front RH
P 8
Power Window Regulator SW
Front LH
P 9
Power Window Regulator SW
Rear LH
P10
Power Window Regulator SW
Rear RH
P 4
Power Window Regulator
Motor Front LH
P 6
Power Window Regulator
Motor Rear LH
P 7
Power Window Regulator
Motor Rear RH
J 4
Junction
Connector
Left Fender Apron
EC
IA
Left Kick Panel
IC
Right Kick Panel

15 AVANZA


Power Source
Interior Light
Radiator Fan
1
2
3
4
I 5
Ignition SW
AM2
IG2
ST2
B–Y
B–W
B–R
10A
E/G
＊1 : w/ Wireless Door Lock Control
＊2 : w/o Wireless Door Lock Control
J 6
Junction
Connector
R12
Room Light (Front)
R13
Room Light (Rear)
DOOR
ON
OFF
C 5(B), C 8(C)
Combination Meter
(A/T)
(M/T)
Door
30A R/FAN
40A AM1
10A BACK UP
10A STOP
FL MAIN
2. 0L
Battery
D12
Door Control Receiver
CRL
DCS
D 3
Door Courtesy SW
Front LH
D 4
Door Courtesy SW
Front RH
D 5
Door Courtesy SW
Rear LH
D 6
Door Courtesy SW
Rear RH
B 6
Back Door Courtesy SW
Right Side of
Back Door
R/FAN
Relay
R 1
Radiator Fan Motor
(LHD)
(RHD)
Engine ECU
<21–4><22–4>
Cowl Side
Panel RH


Power Source
Back–Up Light
Front Wiper and Washer
1
2
3
4
I 5
Ignition SW
ACC
AM1
IG1
B–Y
7. 5A
IG1/BACK
20A WIP/WSHR
40A IG1
40A AM1
FL MAIN
2. 0L
Battery
N 1
Park/Neutral Position SW
B 2
Back–Up Light SW
IG Relay
Combination Meter
<3–4>
Transmission Control ECU
<3–4>
R 6
Rear Combination
Light LH
R 7
Rear Combination
Light RH
Back–Up
Rear Quarter Panel RH
BA
Cowl Side
Panel LH (LHD)
Left Fender
Apron (RHD)
IE : LHD
EC : RHD
J 4
Junction
Connector
IA
Right Kick
Panel (LHD)
Left Kick
Panel (RHD)
Cowl Side
Panel LH (LHD)
Right Kick
Panel (RHD)
IC
W 3(A), (B)
Windshield Wiper SW
Front Wiper SW
WB
+2
+1
+S
INT1
INT2
B1
MIST
OFF
INT
LO
HI
Front Washer SW
W
EW
Off
On
Wiper Relay
E
F 7
Front Washer
Pump
W 2
Windshield
Wiper Motor

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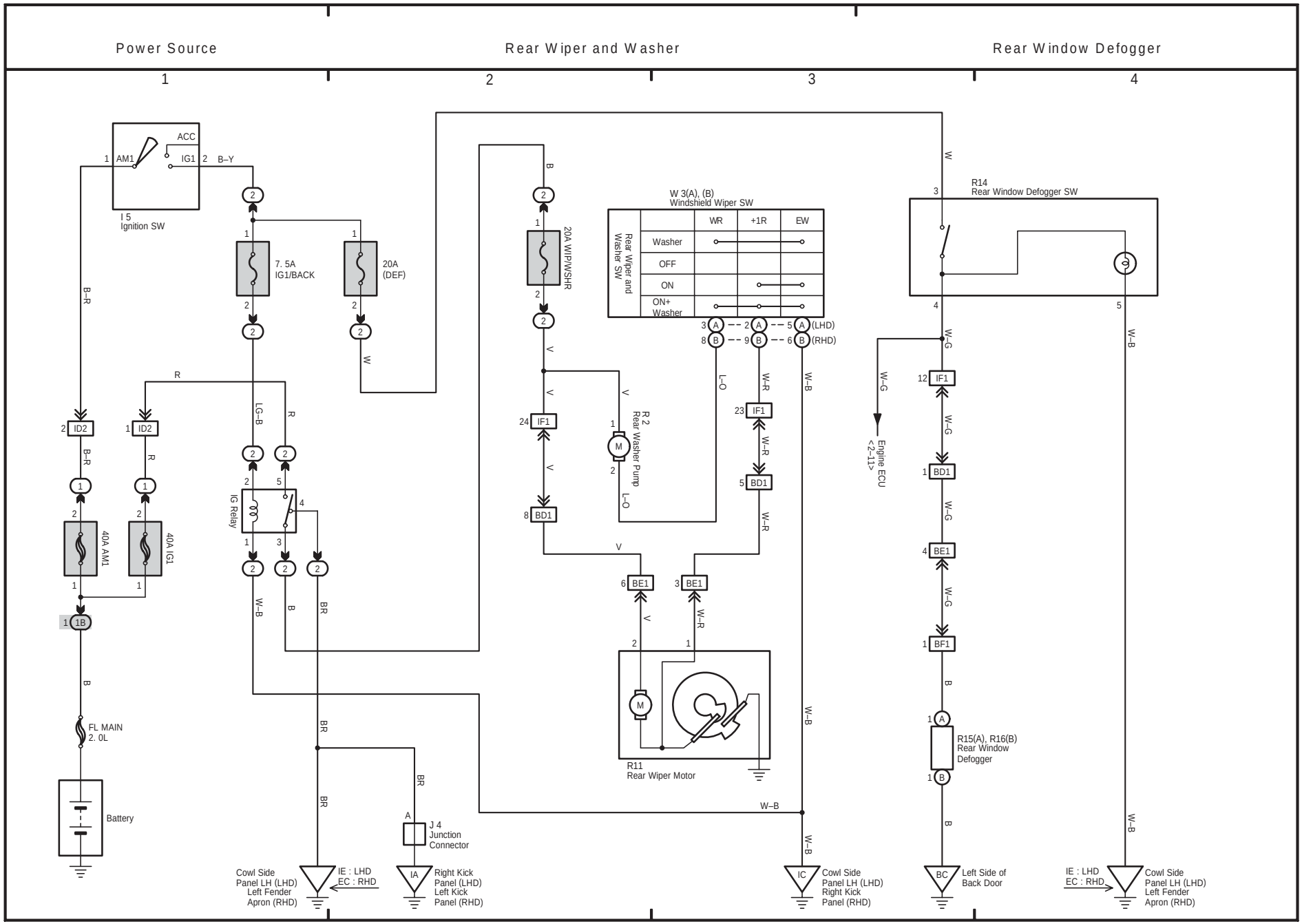
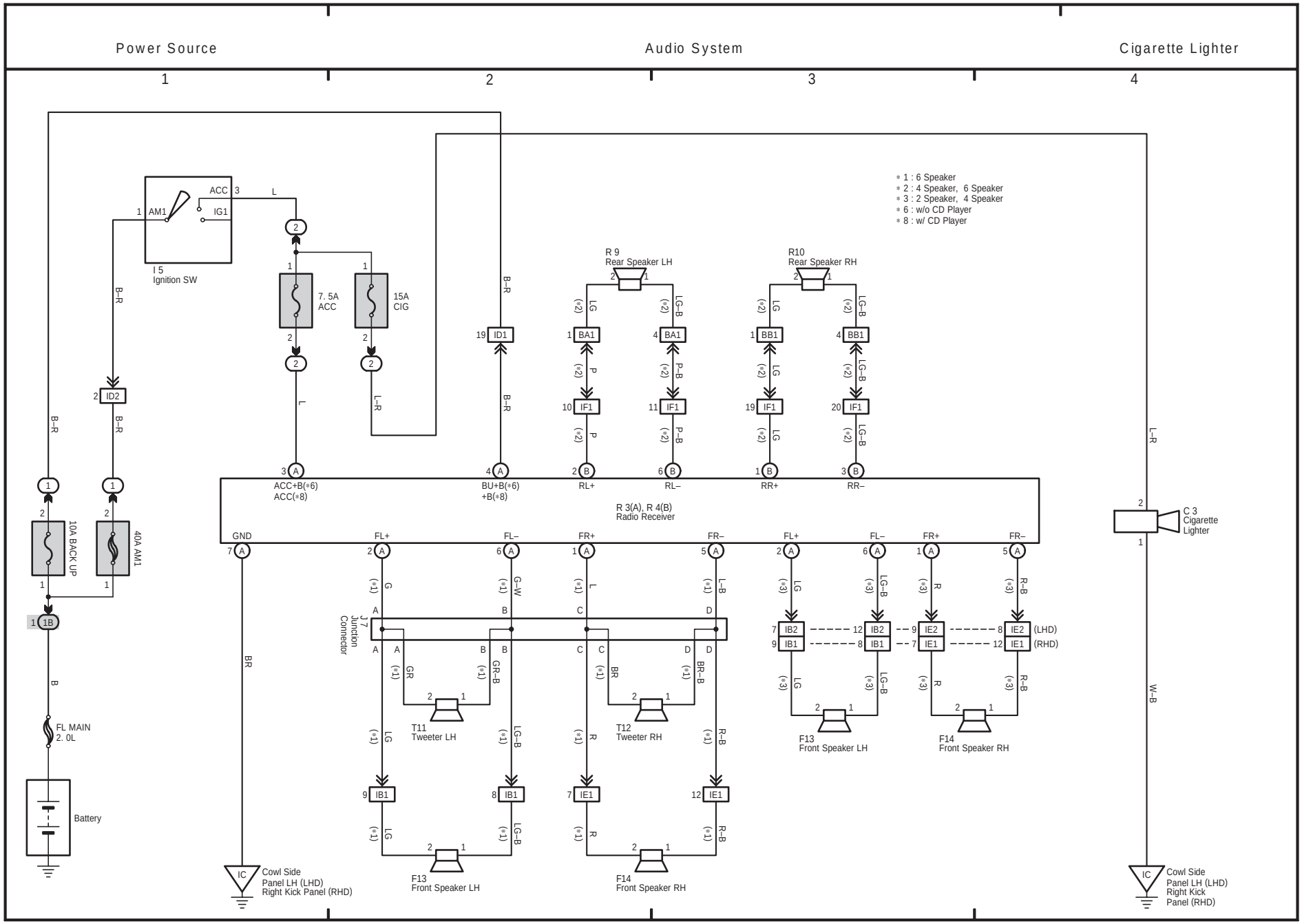

Power Source
Rear Wiper and Washer
Rear Window Defogger
1
2
3
4
ACC
AM1
IG1
B–Y
I 5
Ignition SW
7. 5A
IG1/BACK
20A
(DEF)
20A WIP/WSHR
W 3(A), (B)
Windshield Wiper SW
Rear Wiper and Washer SW
WR
+1R
EW
Washer
OFF
ON
ON+ Washer
(LHD)
(RHD)
R14
Rear Window Defogger SW
Engine ECU
<2–1>
ID2
40A AM1
40A IG1
IG Relay
IF1
BD1
BE1
BF1
R 2
Rear Washer Pump
R11
Rear Wiper Motor
R15(A), R16(B)
Rear Window Defogger
FL MAIN
2. 0L
Battery
J 4
Junction Connector
Cowl Side
Panel LH (LHD)
Left Fender
Apron (RHD)
IE : LHD
EC : RHD
Right Kick
Panel (LHD)
Left Kick
Panel (RHD)
Cowl Side
Panel LH (LHD)
Right Kick
Panel (RHD)
Left Side of
Back Door


Power Source
Audio System
Cigarette Lighter
1
2
3
4
* 1 : 6 Speaker
* 2 : 4 Speaker, 6 Speaker
* 3 : 2 Speaker, 4 Speaker
* 6 : w/o CD Player
* 8 : w/ CD Player
I 5
Ignition SW
ACC
IG1
AM1
7. 5A
ACC
15A
CIG
R 9
Rear Speaker LH
R10
Rear Speaker RH
ID1
ID2
BA1
BB1
IF1
ACC+B(*6)
ACC(*8)
BU+B(*6)
+B(*8)
RL+
RL–
RR+
RR–
R 3(A), R 4(B)
Radio Receiver
GND
FL+
FL–
FR+
FR–
10A BACK UP
40A AM1
1B
FL MAIN
2. 0L
Battery
J7
Junction
Connector
IB1
IB2
IE1
IE2
(LHD)
(RHD)
T11
Tweeter LH
T12
Tweeter RH
F13
Front Speaker LH
F14
Front Speaker RH
C 3
Cigarette
Lighter
IC
Cowl Side
Panel LH (LHD)
Right Kick Panel (RHD)
Cowl Side
Panel LH (LHD)
Right Kick
Panel (RHD)

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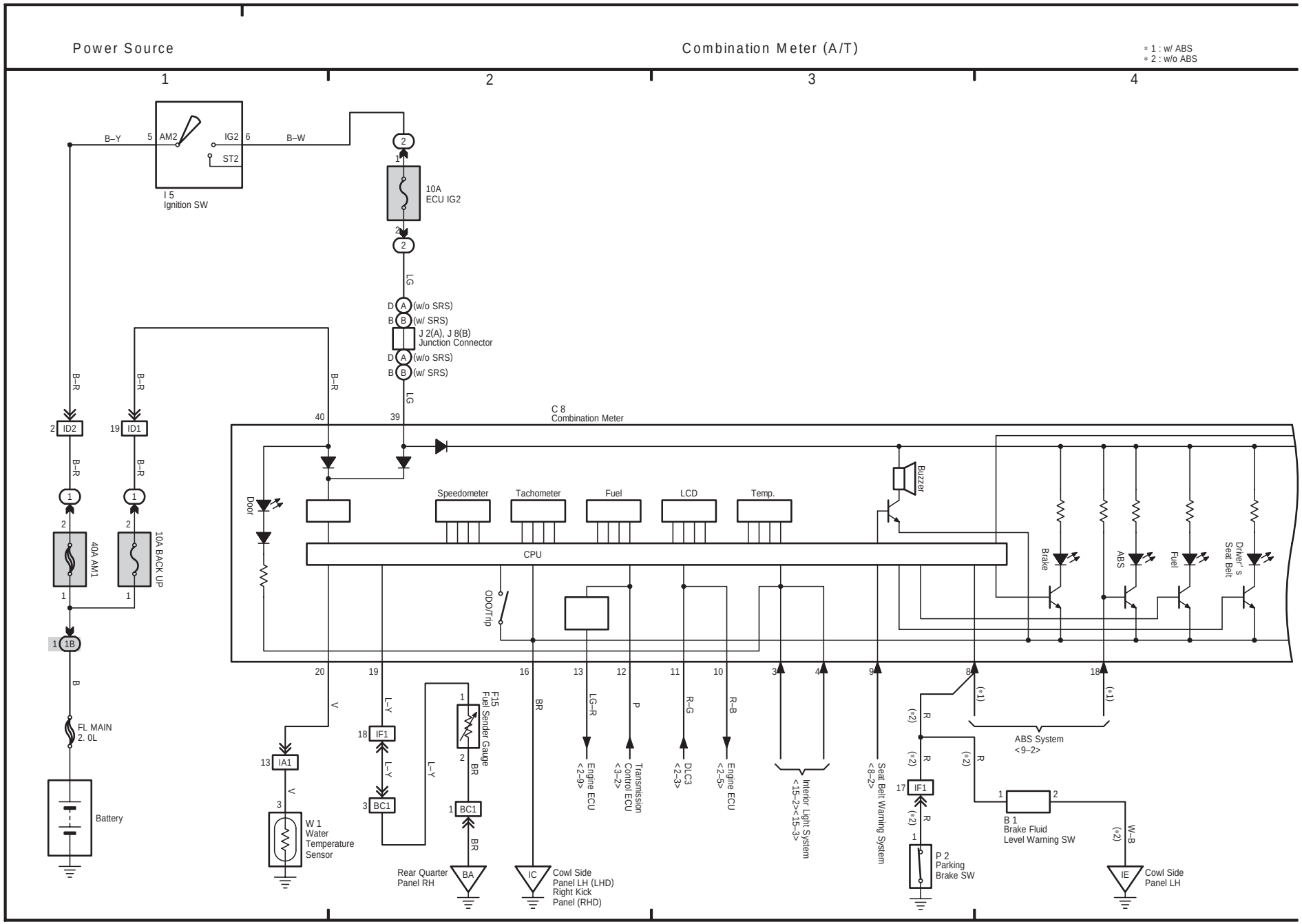
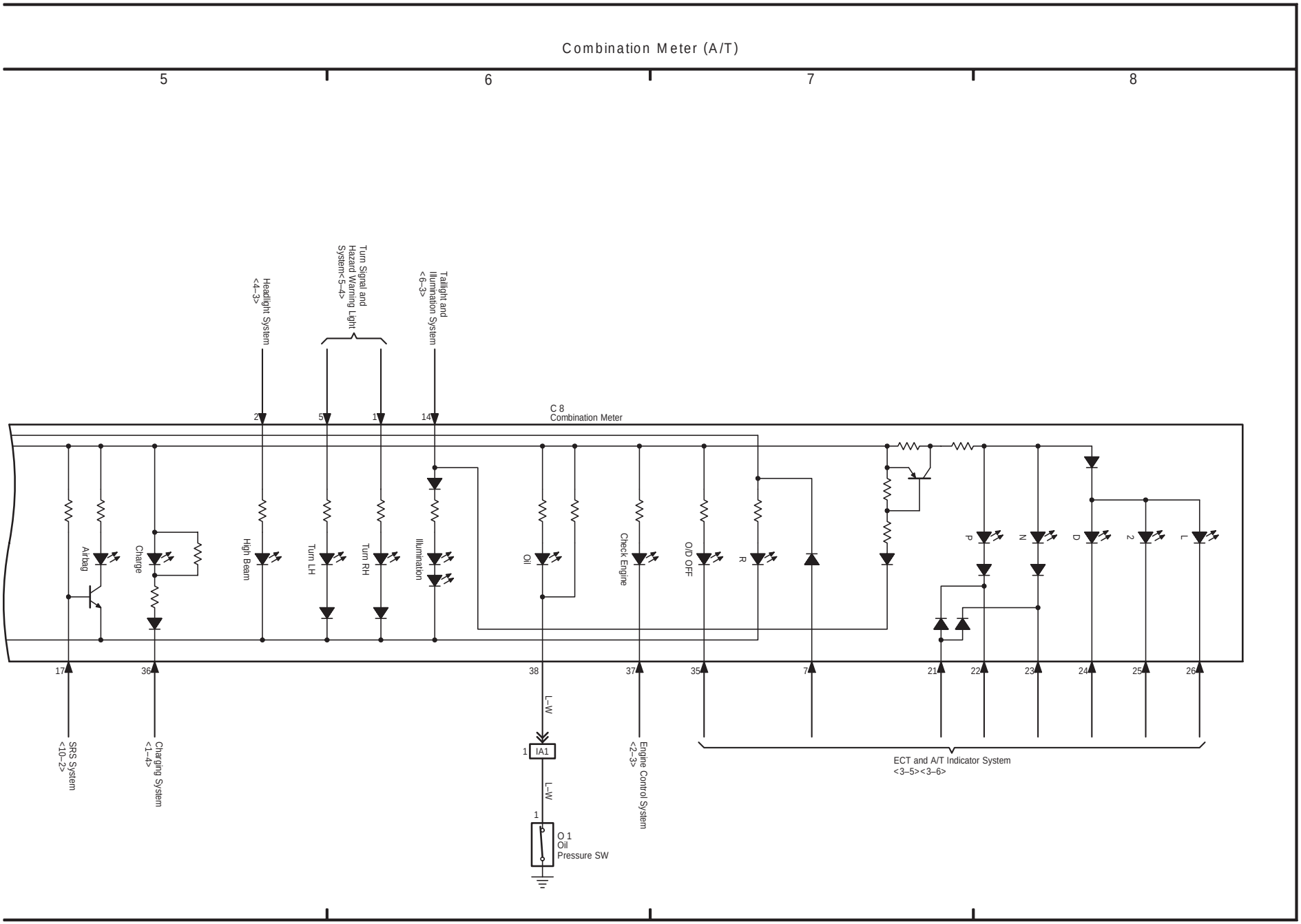
(Cont. next page)




Combination Meter (A/T)
5
6
7
8
Headlight System <4–3>
Turn Signal and Hazard Warning Light System<5–4>
Taillight and Illumination System <6–3>
C 8
Combination Meter
20
5
11
14
Airbag
Charge
High Beam
Turn LH
Turn RH
Illumination
Oil
Check Engine
O/D OFF
R
P
N
D
2
L
17
36
38
37
35
7
21
22
23
24
25
26
SRS System <10–2>
Charging System <1–4>
L–W
1
IA1
L–W
1
O 1
Oil
Pressure SW
Engine Control System <2–3>
ECT and A/T Indicator System
<3–5><3–6>

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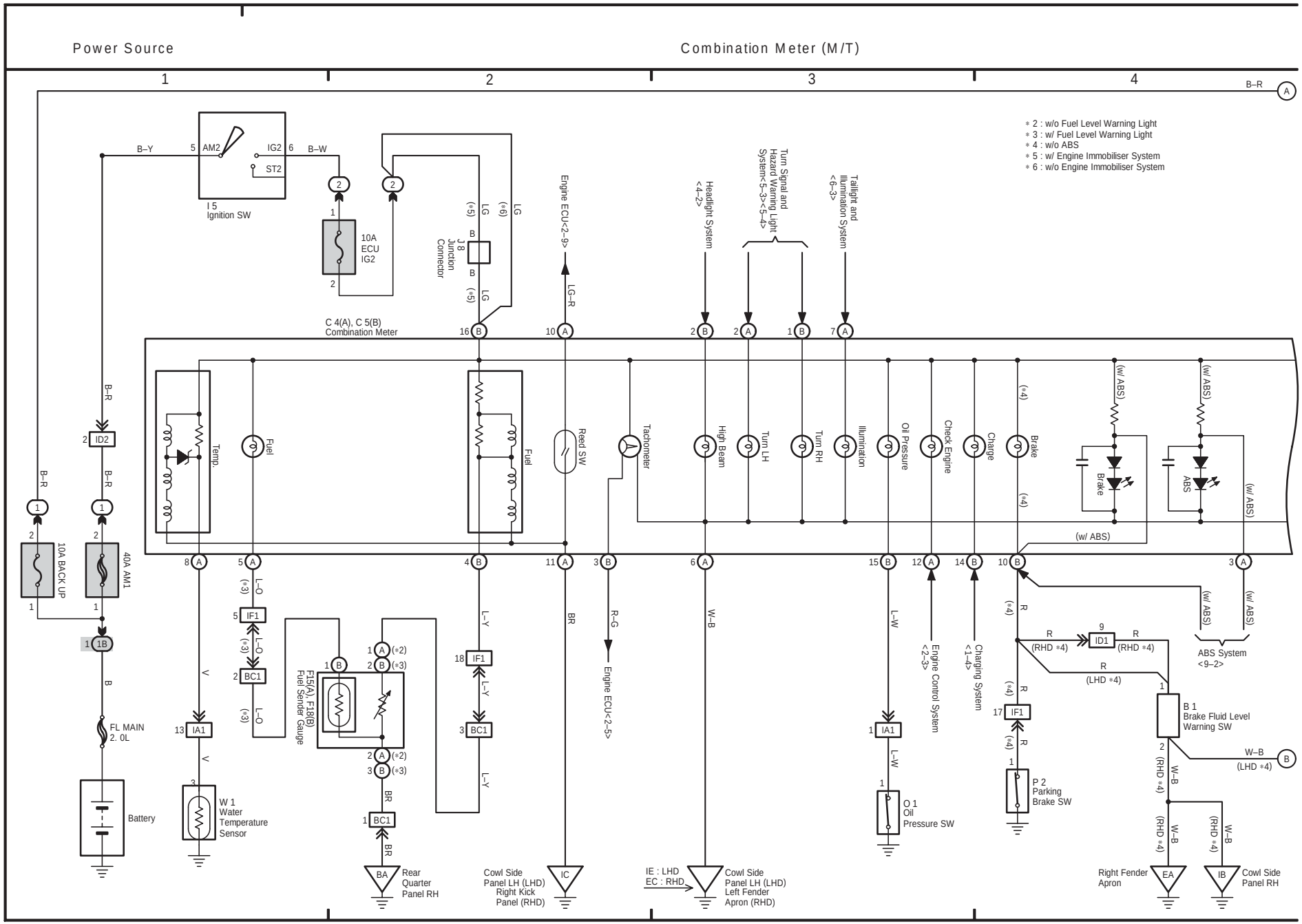
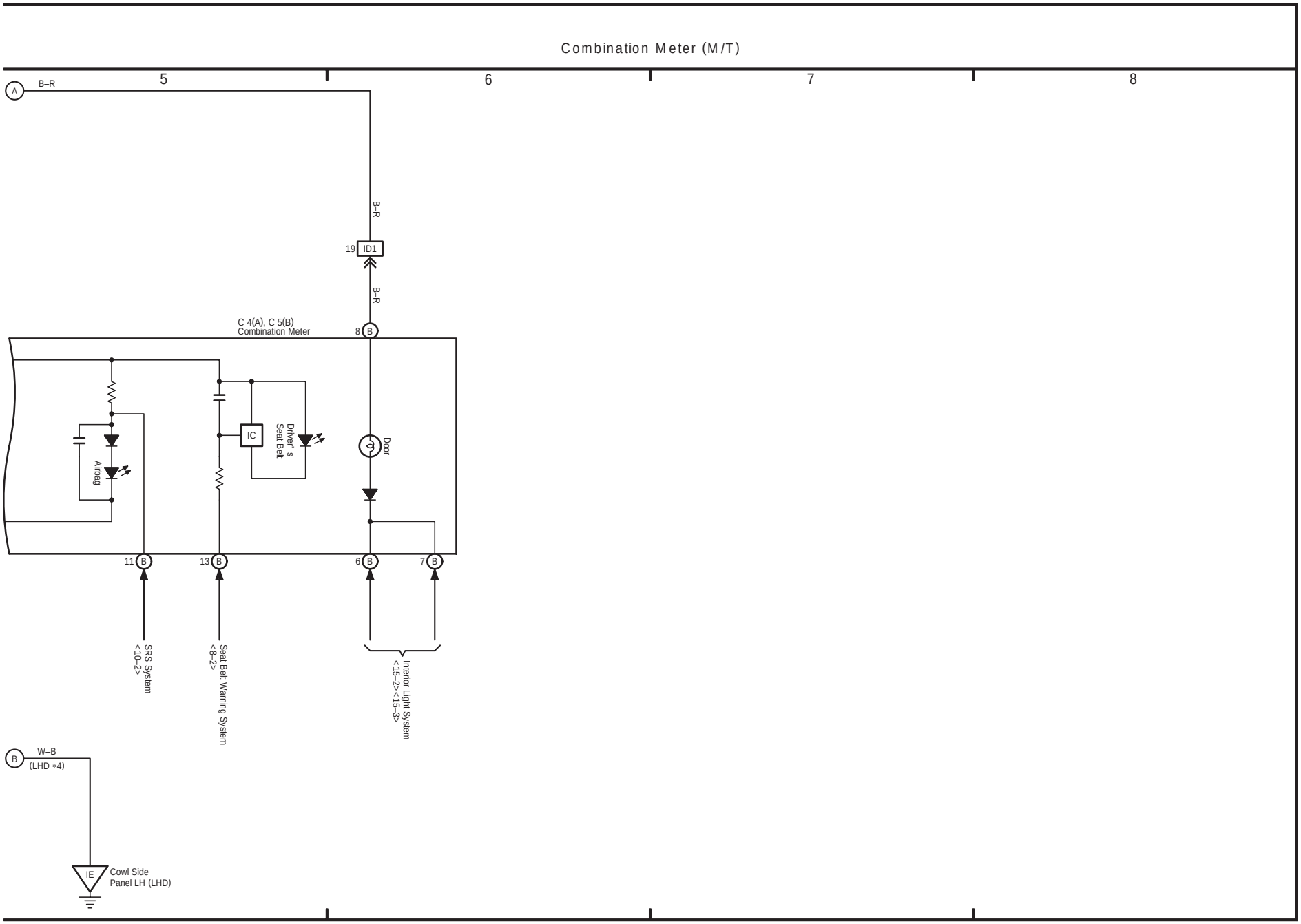
(Cont. next page)




Combination Meter (M/T)
5
6
7
8
A
B–R
B–R
19
ID1
B–R
C 4(A), C 5(B)
Combination Meter
8
B
IC
Driver s
Seat Belt
Door
Airbag
11
B
13
B
6
B
7
B
SRS System
<10–2>
Seat Belt Warning System
<8–2>
Interior Light System
<15–2><15–3>
B
W–B
(LHD *4)
IE
Cowl Side
Panel LH (LHD)

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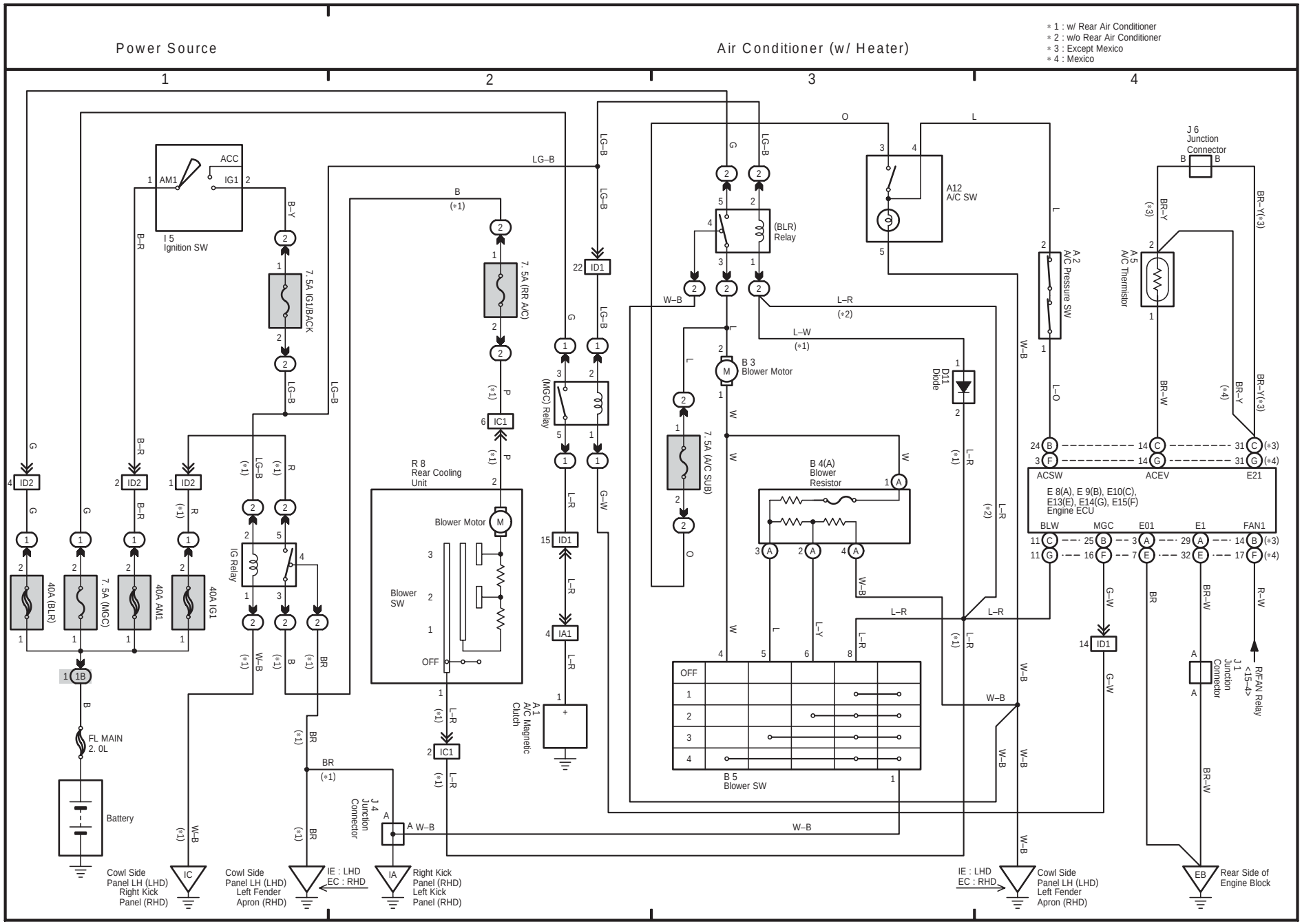
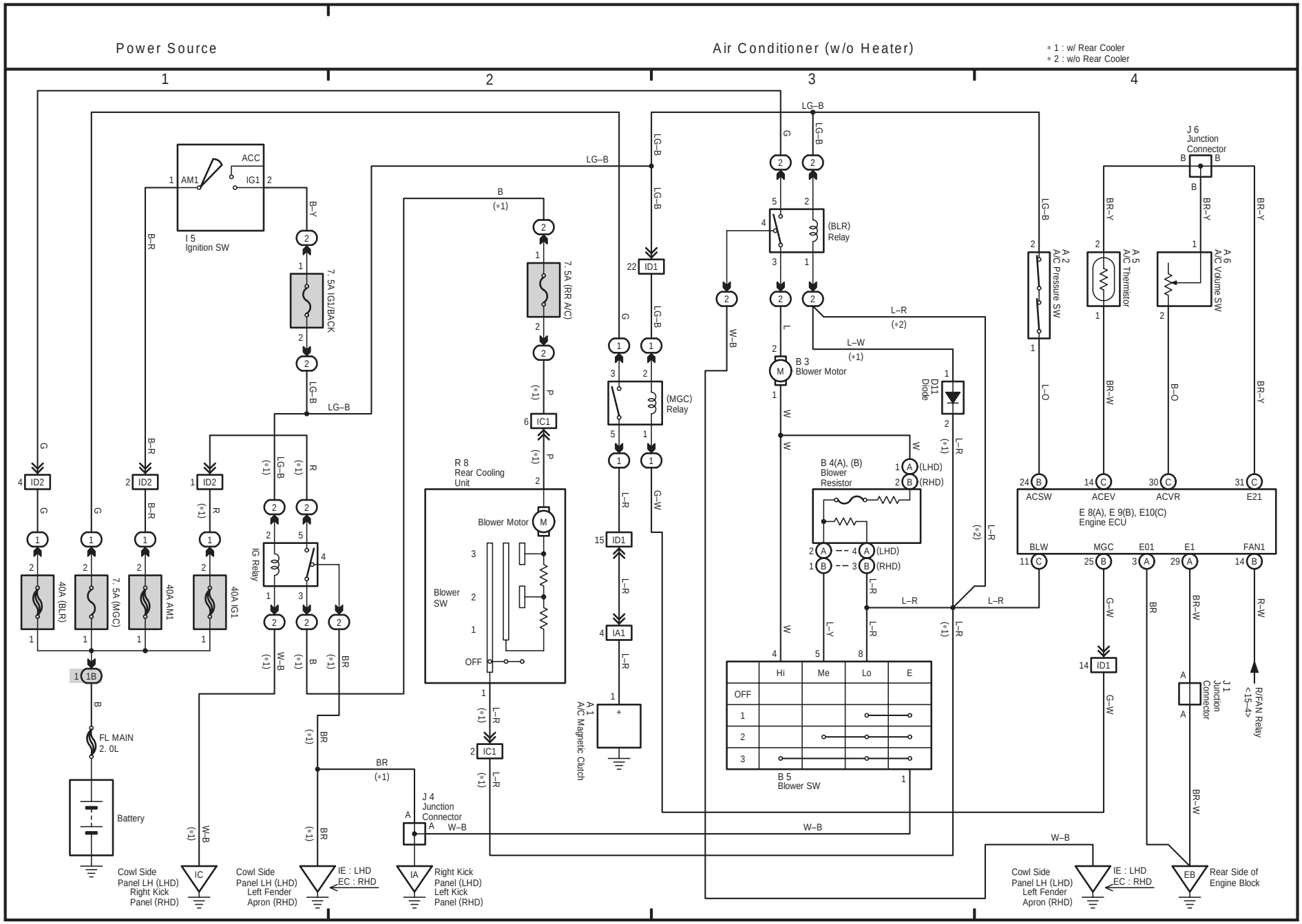

Power Source
Air Conditioner (w/ Heater)
* 1 : w/ Rear Air Conditioner
* 2 : w/o Rear Air Conditioner
* 3 : Except Mexico
* 4 : Mexico
I 5 Ignition SW
ACC
AM1
IG1
7. 5A IG1/BACK
40A (BLR)
7. 5A (MGC)
40A AM1
40A IG1
FL MAIN 2. 0L
Battery
IG Relay
R 8 Rear Cooling Unit
Blower Motor
Blower SW
OFF
7. 5A (RR A/C)
(MGC) Relay
A 1 A/C Magnetic Clutch
J 4 Junction Connector
(BLR) Relay
7. 5A (A/C SUB)
B 3 Blower Motor
D11 Diode
B 4(A) Blower Resistor
B 5 Blower SW
A12 A/C SW
A 2 A/C Pressure SW
A 5 A/C Thermistor
J 6 Junction Connector
J 1 Junction Connector
R/FAN Relay <15-4>
E 8(A), E 9(B), E10(C), E13(E), E14(G), E15(F) Engine ECU
ACSW
ACEV
E21
BLW
MGC
E01
E1
FAN1
Cowl Side Panel LH (LHD) Right Kick Panel (RHD)
Cowl Side Panel LH (LHD) Left Fender Apron (RHD)
IE : LHD EC : RHD
Right Kick Panel (RHD) Left Kick Panel (RHD)
Rear Side of Engine Block


Power Source
Air Conditioner (w/o Heater)
∗1 : w/ Rear Cooler
∗2 : w/o Rear Cooler
1
2
3
4
I 5
Ignition SW
ACC
AM1
IG1
7. 5A IGI/BACK
7. 5A (RR A/C)
(BLR)
Relay
(MGC)
Relay
B 3
Blower Motor
D11
Diode
J 6
Junction
Connector
A 2
A/C Pressure SW
A 5
A/C Thermistor
A 6
A/C Volume SW
R 8
Rear Cooling
Unit
Blower Motor
Blower
SW
OFF
IG Relay
40A (BLR)
7. 5A (MGC)
40A AM1
40A IG1
B 4(A), (B)
Blower
Resistor
(LHD)
(RHD)
E 8(A), E 9(B), E10(C)
Engine ECU
ACSW
ACEV
ACVR
E21
BLW
MGC
E01
E1
FAN1
Hi
Me
Lo
E
OFF
B 5
Blower SW
A 1
A/C Magnetic Clutch
J 4
Junction
Connector
J 1
Junction
Connector
R/FAN Relay
<15-4>
FL MAIN
2. 0L
Battery
Cowl Side
Panel LH (LHD)
Right Kick
Panel (RHD)
Cowl Side
Panel LH (LHD)
Left Fender
Apron (RHD)
IE : LHD
EC : RHD
Right Kick
Panel (LHD)
Left Kick
Panel (RHD)
Rear Side of
Engine Block