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∗ Headlight	
∗ Interior Light	
∗ Key Reminder	
∗ Light Auto Turn Off System	
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∗ Option Connector (Off–road Lamp)	
∗ Option Connector (TVIP)	
∗ Power Window	
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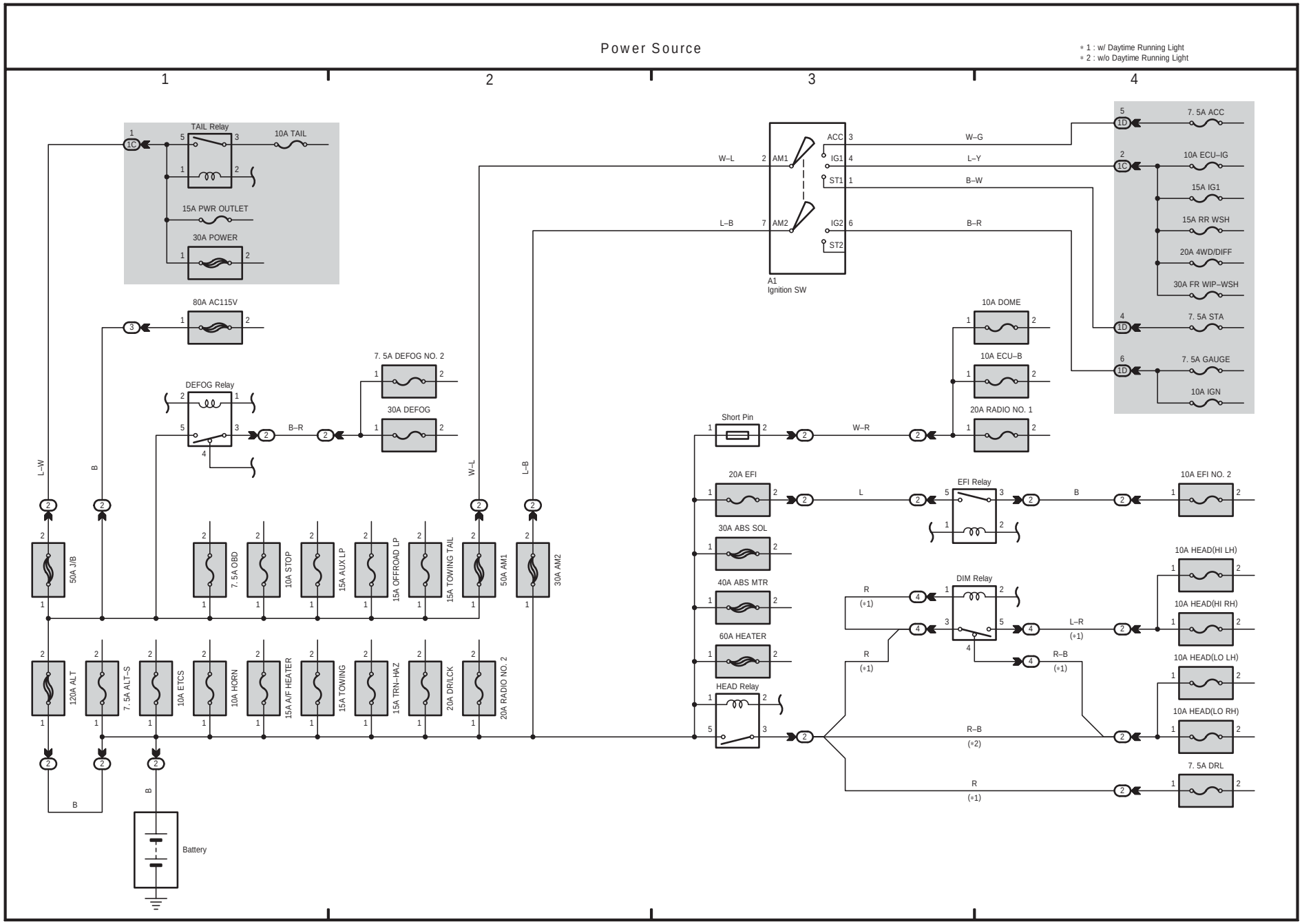
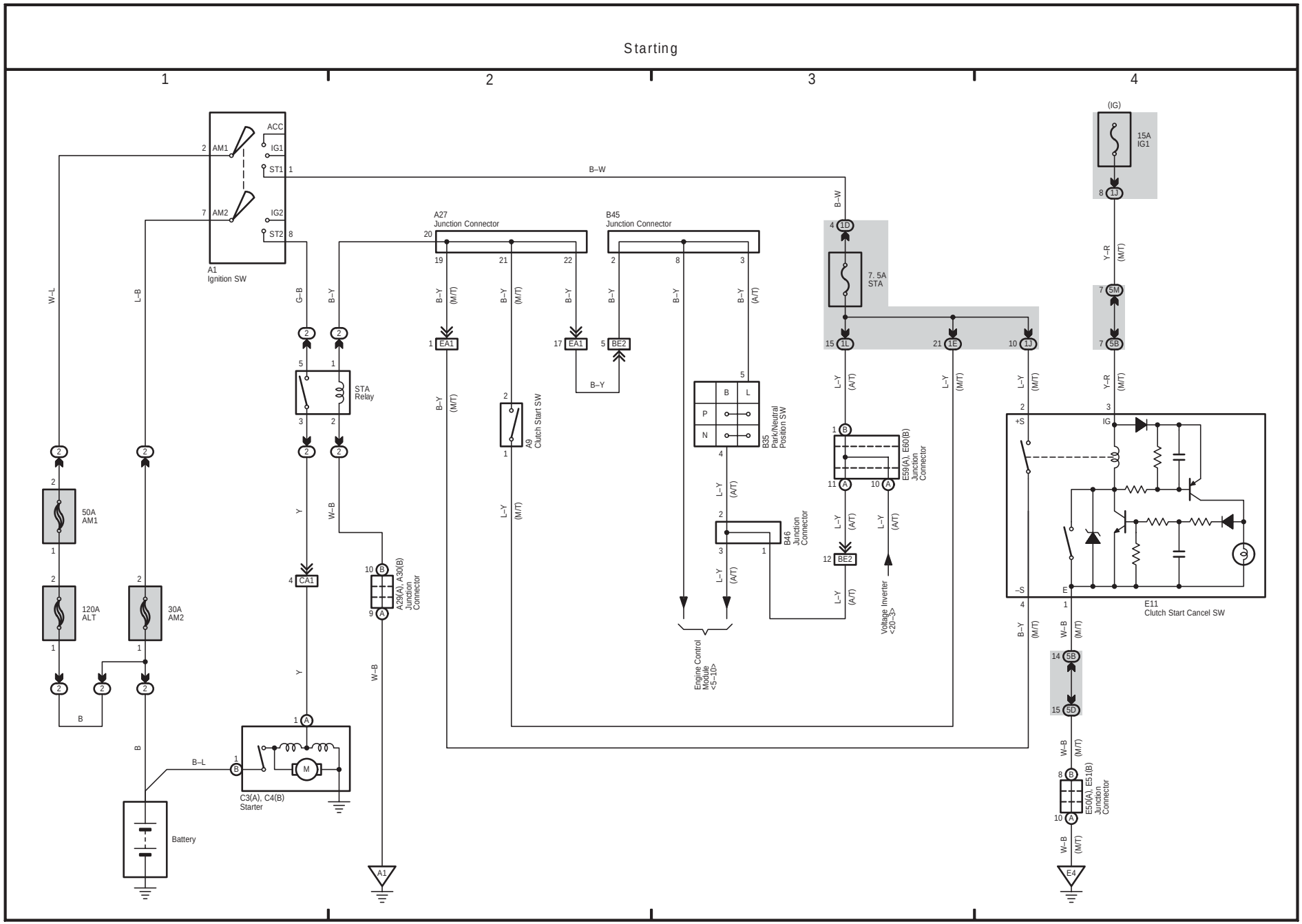
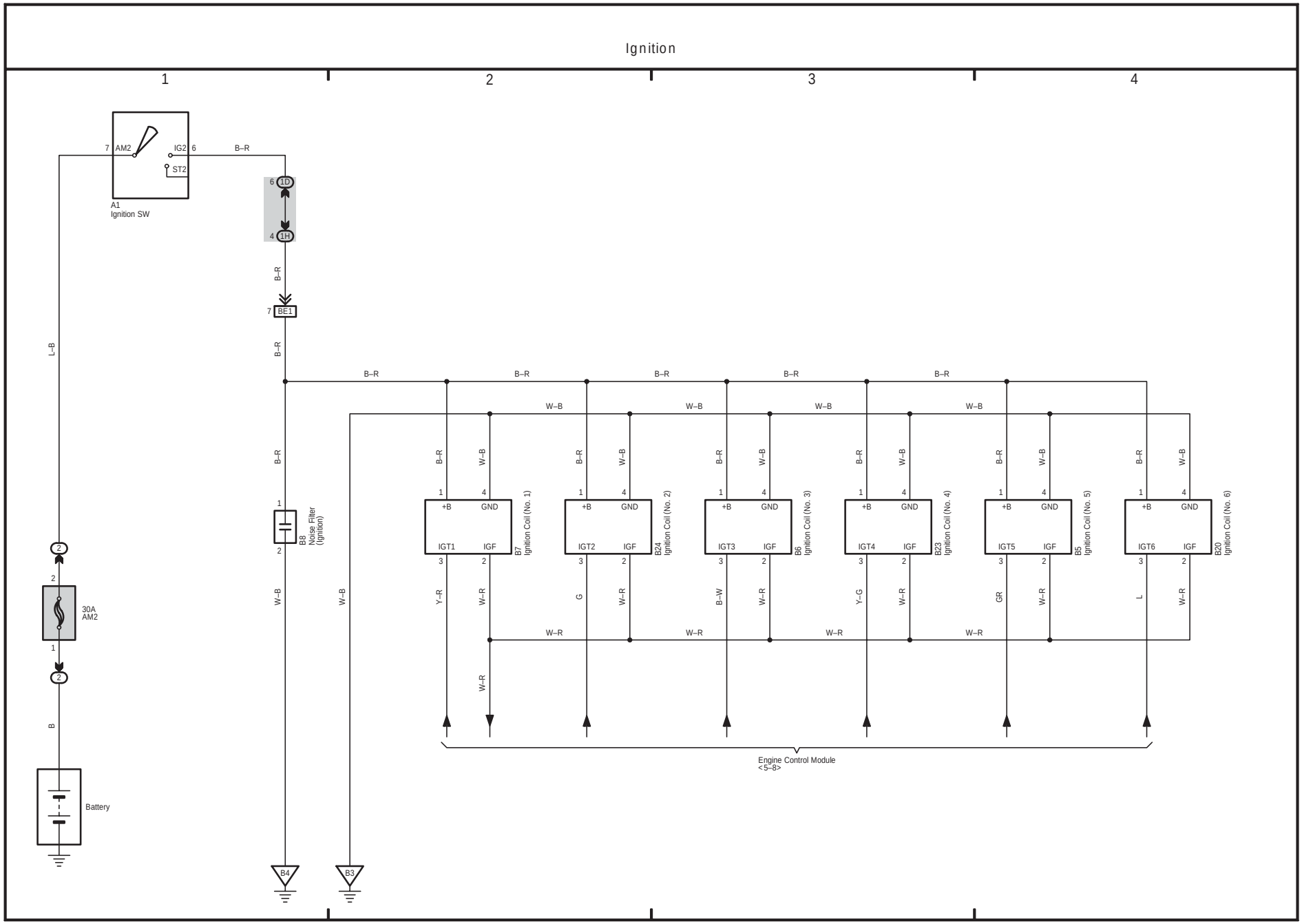

Power Source
* 1 : w/ Daytime Running Light
* 2 : w/o Daytime Running Light
1
2
3
4
TAIL Relay
10A TAIL
15A PWR OUTLET
30A POWER
80A AC115V
DEFOG Relay
7. 5A DEFOG NO. 2
30A DEFOG
B–R
L–W
B
W–L
L–B
50A J/B
7. 5A OBD
10A STOP
15A AUX LP
15A OFFROAD LP
15A TOWING TAIL
50A AM1
30A AM2
120A ALT
7. 5A ALT–S
10A ETCS
10A HORN
15A A/F HEATER
15A TOWING
15A TRN–HAZ
20A DR/LCK
20A RADIO NO. 2
Battery
AM1
AM2
ACC
IG1
ST1
IG2
ST2
A1
Ignition SW
W–G
L–Y
B–W
B–R
7. 5A ACC
10A ECU–IG
15A IG1
15A RR WSH
20A 4WD/DIFF
30A FR WIP–WSH
7. 5A STA
7. 5A GAUGE
10A IGN
10A DOME
10A ECU–B
20A RADIO NO. 1
Short Pin
W–R
20A EFI
L
EFI Relay
B
10A EFI NO. 2
30A ABS SOL
40A ABS MTR
60A HEATER
HEAD Relay
DIM Relay
R
(*1)
L–R
R–B
(*2)
10A HEAD(HI LH)
10A HEAD(HI RH)
10A HEAD(LO LH)
10A HEAD(LO RH)
7. 5A DRL

2 FJ CRUISER

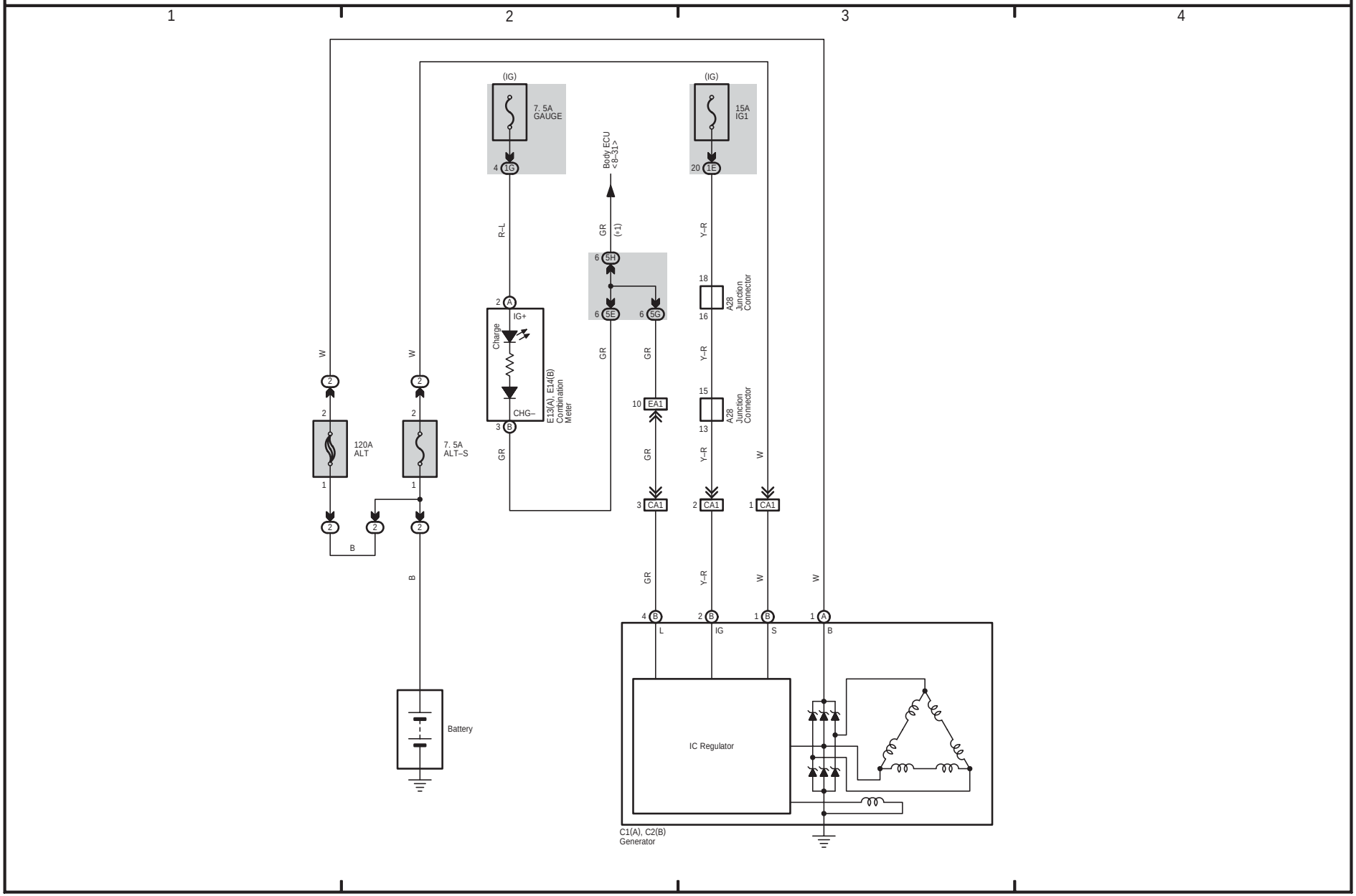

Starting
1
2
3
4
A1
Ignition SW
ACC
IG1
ST1
IG2
ST2
AM1
AM2
W–L
L–B
G–B
B–Y
B–W
50A
AM1
120A
ALT
30A
AM2
STA
Relay
CA1
C3(A), C4(B)
Starter
Battery
B–L
A29(A), A30(B)
Junction
Connector
A27
Junction Connector
EA1
A9
Clutch Start SW
B45
Junction Connector
BE2
B35
Park/Neutral
Position SW
B46
Junction
Connector
Engine Control
Module
<5–10>
Voltage Inverter
<20–3>
7.5A
STA
E59(A), E60(B)
Junction
Connector
(IG)
15A
IG1
E11
Clutch Start Cancel SW
E50(A), E51(B)
Junction
Connector
E4


Ignition
1
2
3
4
A1
Ignition SW
AM2
IG2
ST2
B–R
1D
1H
BE1
L–B
B8
Noise Filter
(Ignition)
30A
AM2
B
Battery
B4
B3
W–B
+B
GND
IGT1
IGF
B7
Ignition Coil (No. 1)
IGT2
B24
Ignition Coil (No. 2)
IGT3
B6
Ignition Coil (No. 3)
IGT4
B23
Ignition Coil (No. 4)
IGT5
B5
Ignition Coil (No. 5)
IGT6
B20
Ignition Coil (No. 6)
Y–R
W–R
G
B–W
Y–G
GR
L
Engine Control Module
<5–8>

4 FJ CRUISER

Charging

∗ 1 : w/ Daytime Running Light



5 FJ CRUISER

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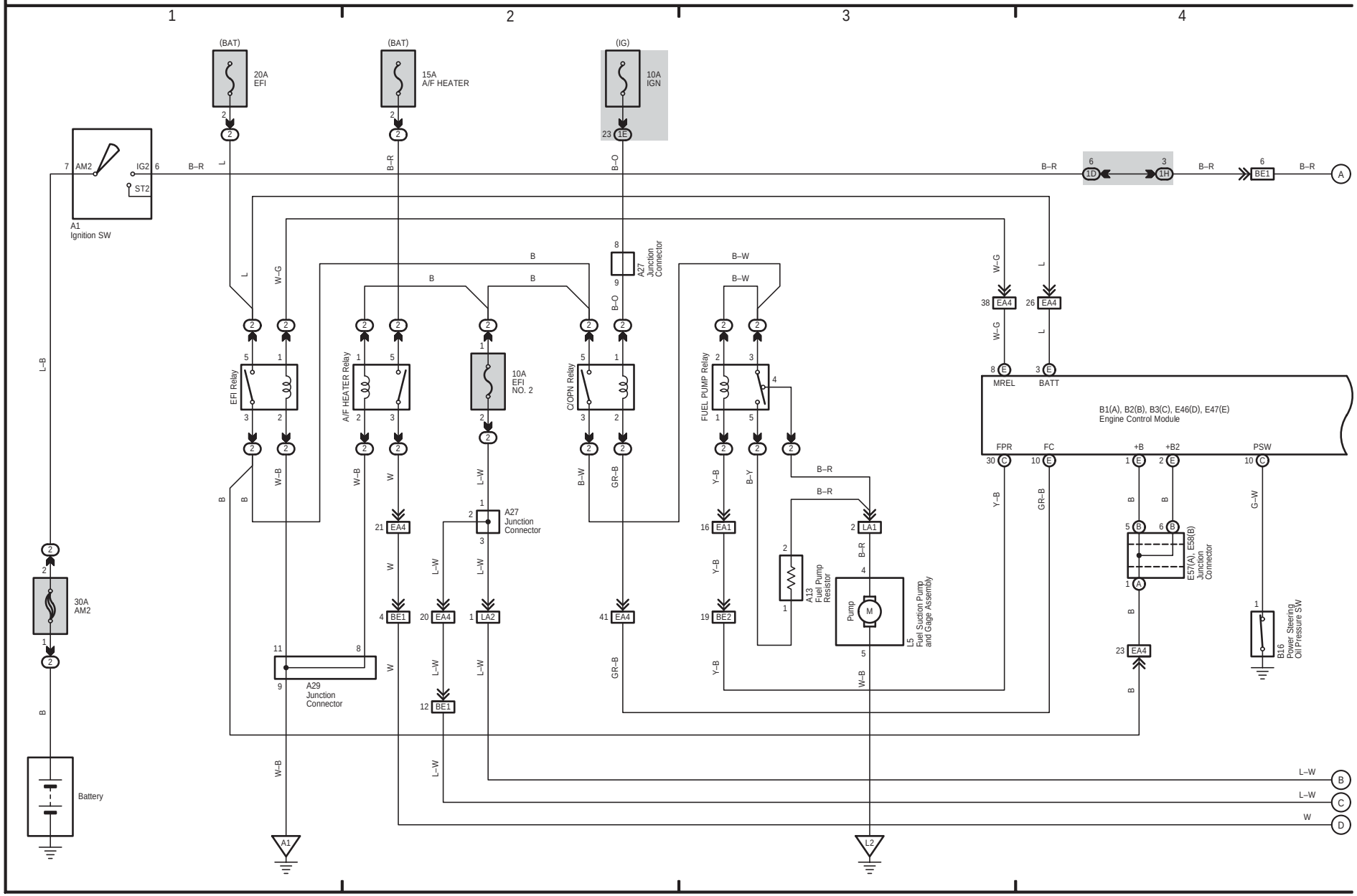
Engine Control



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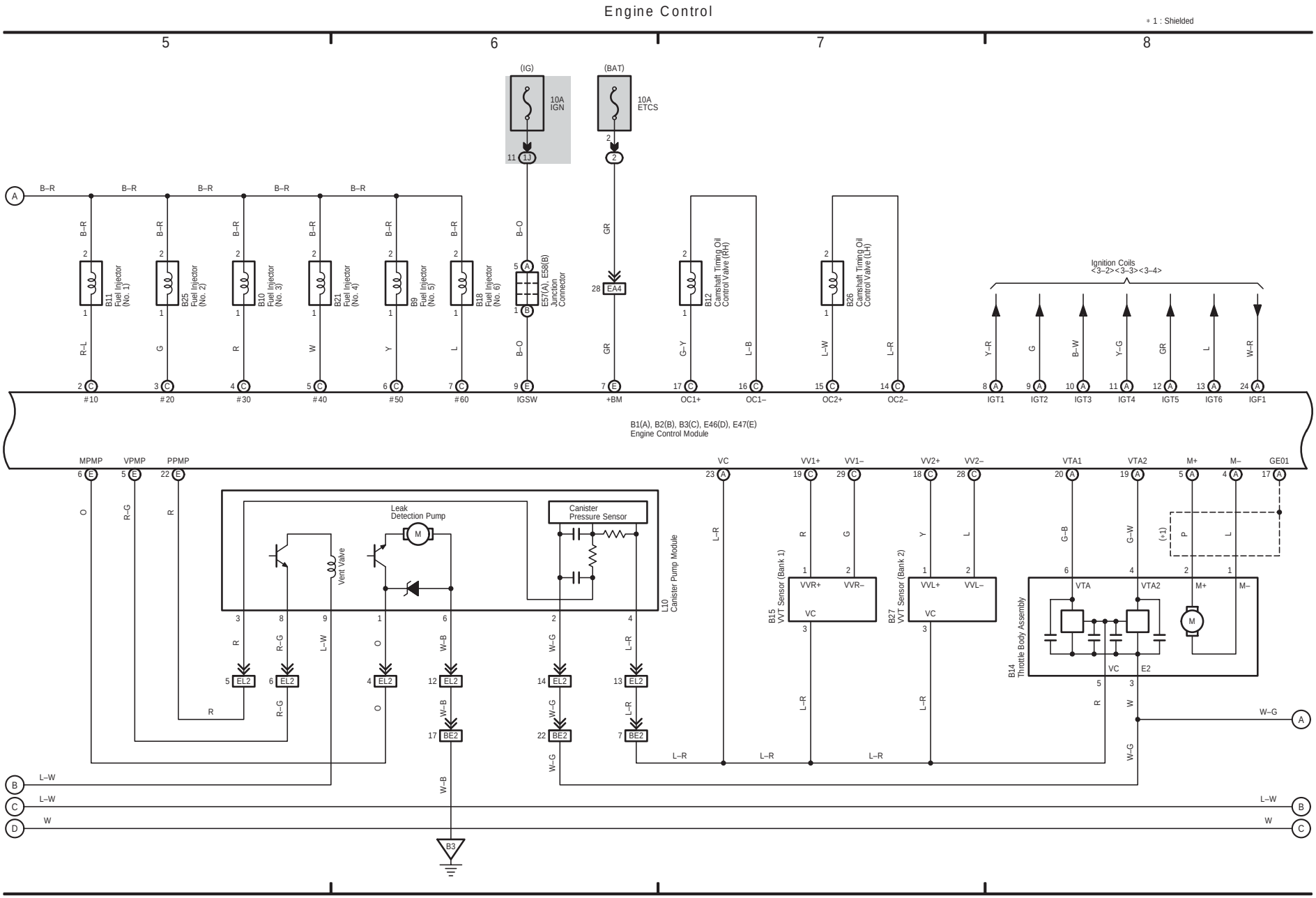

5 FJ CRUISER (Cont' d)

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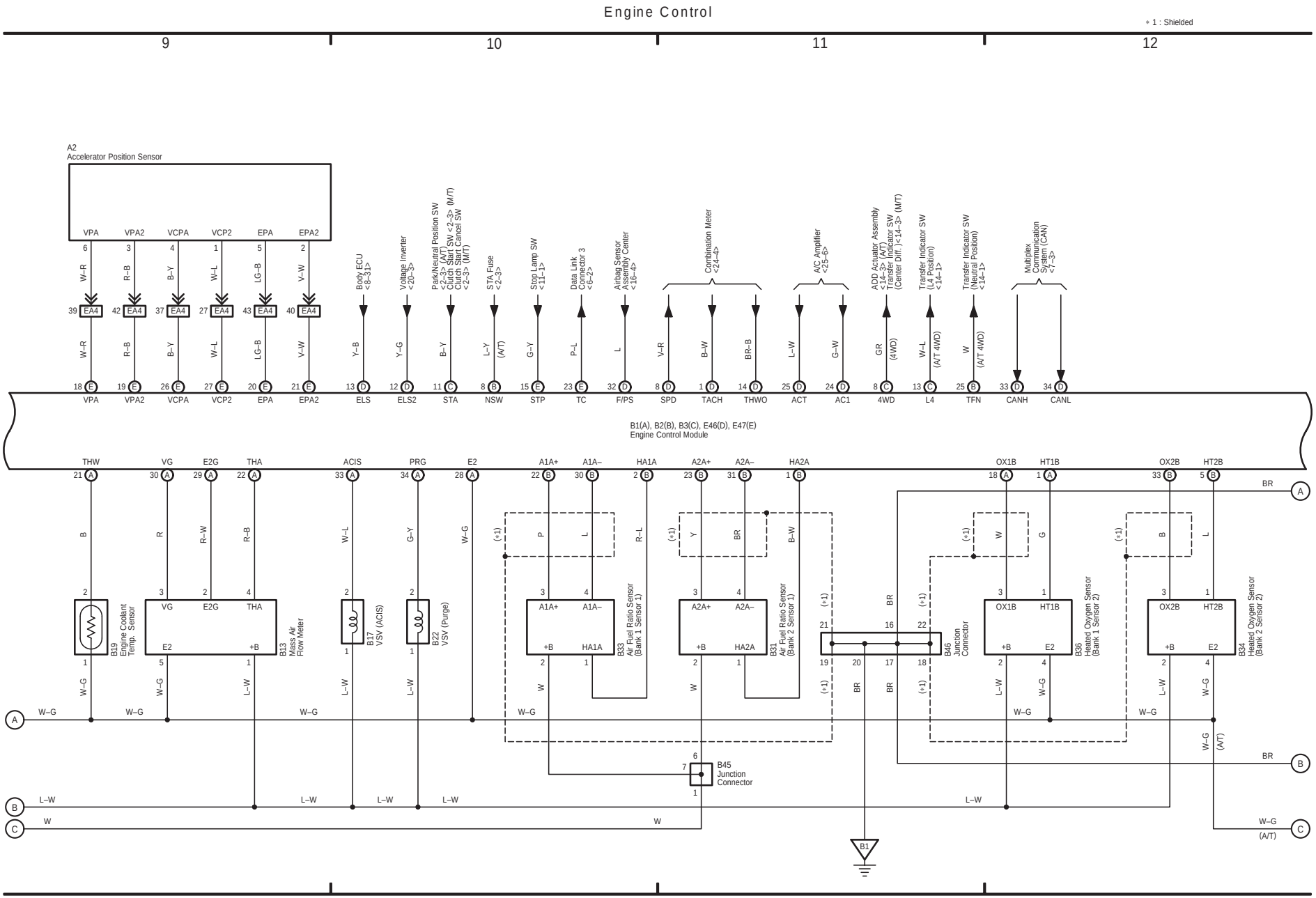

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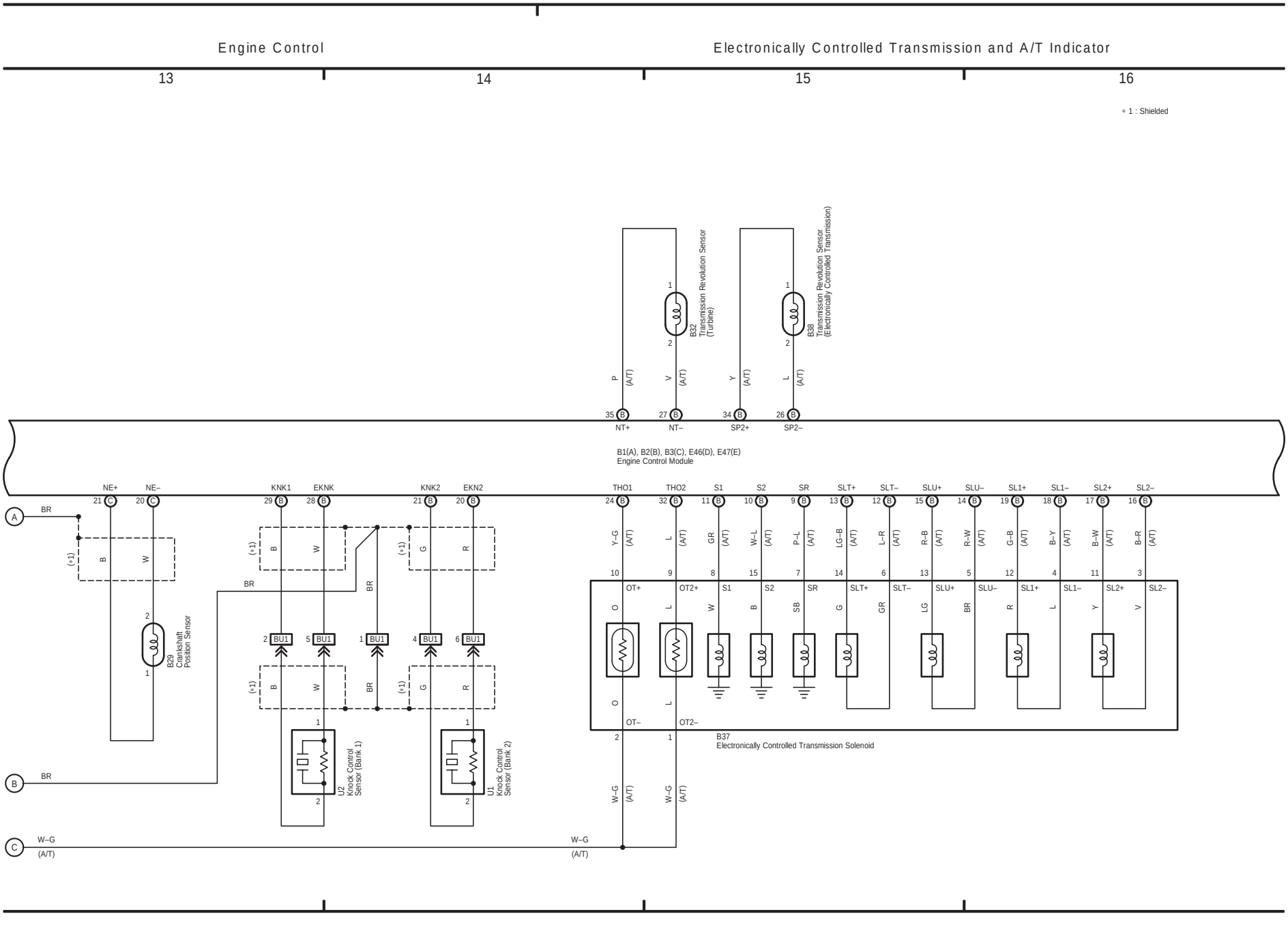

5 FJ CRUISER (Cont' d)

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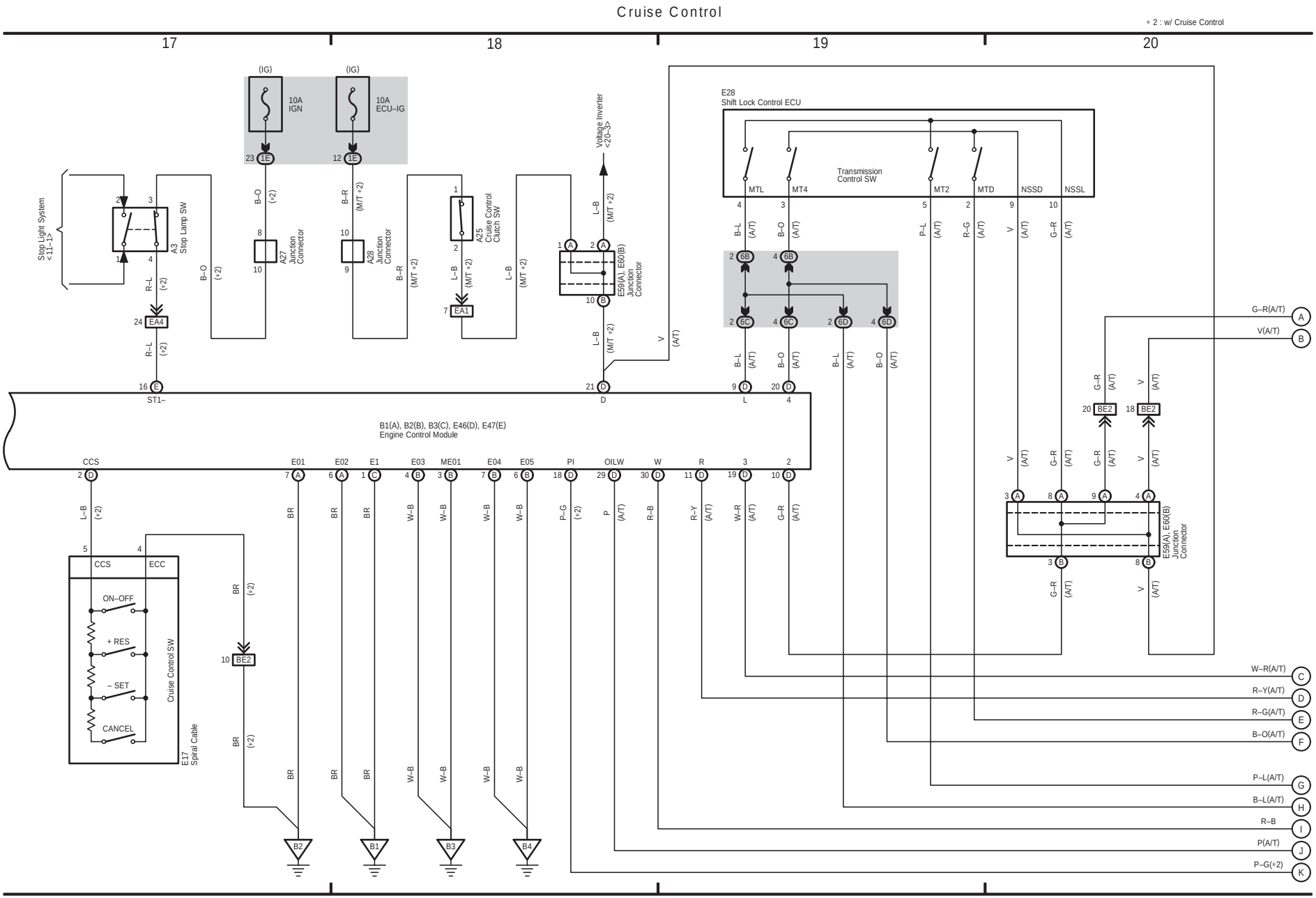
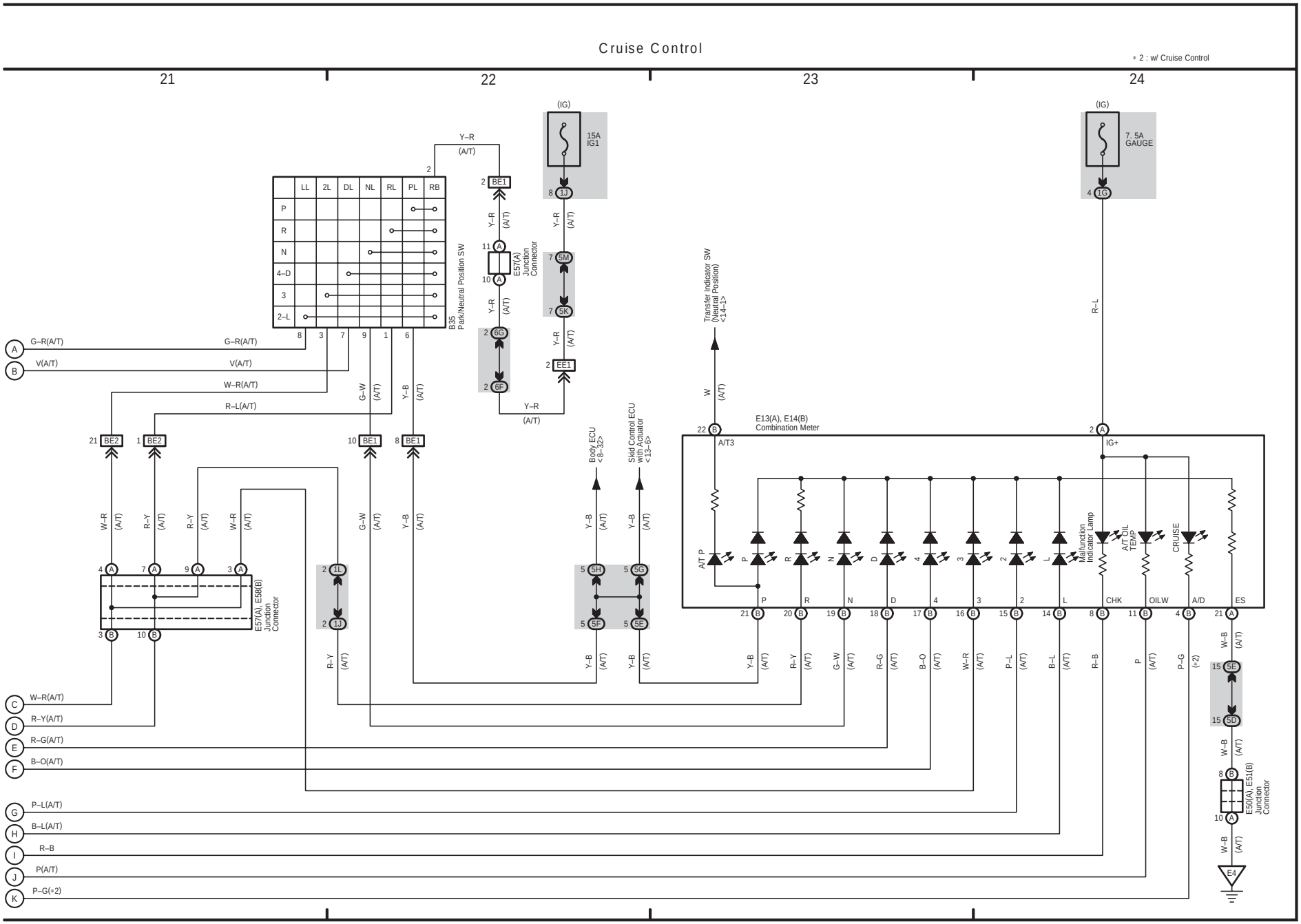
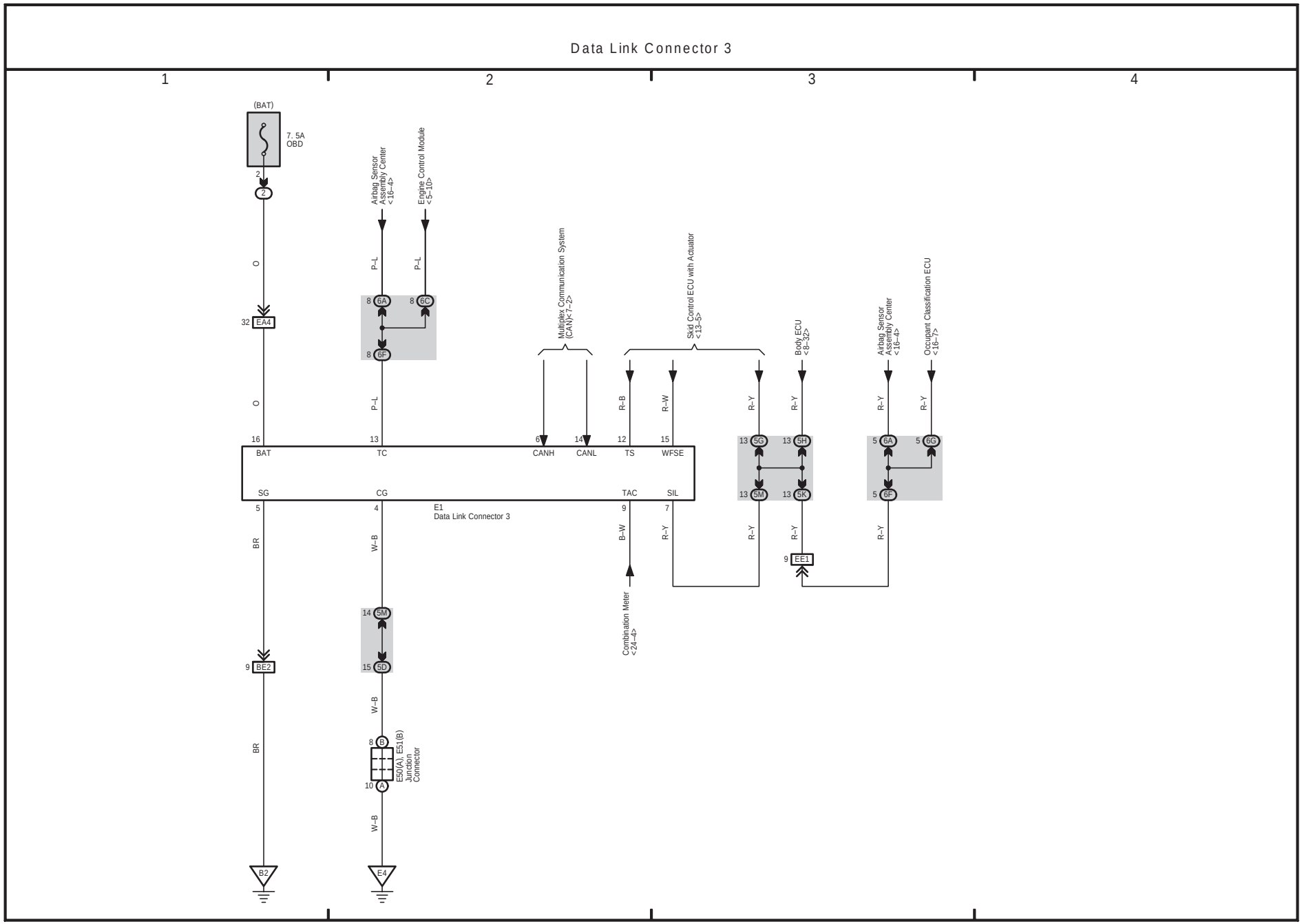
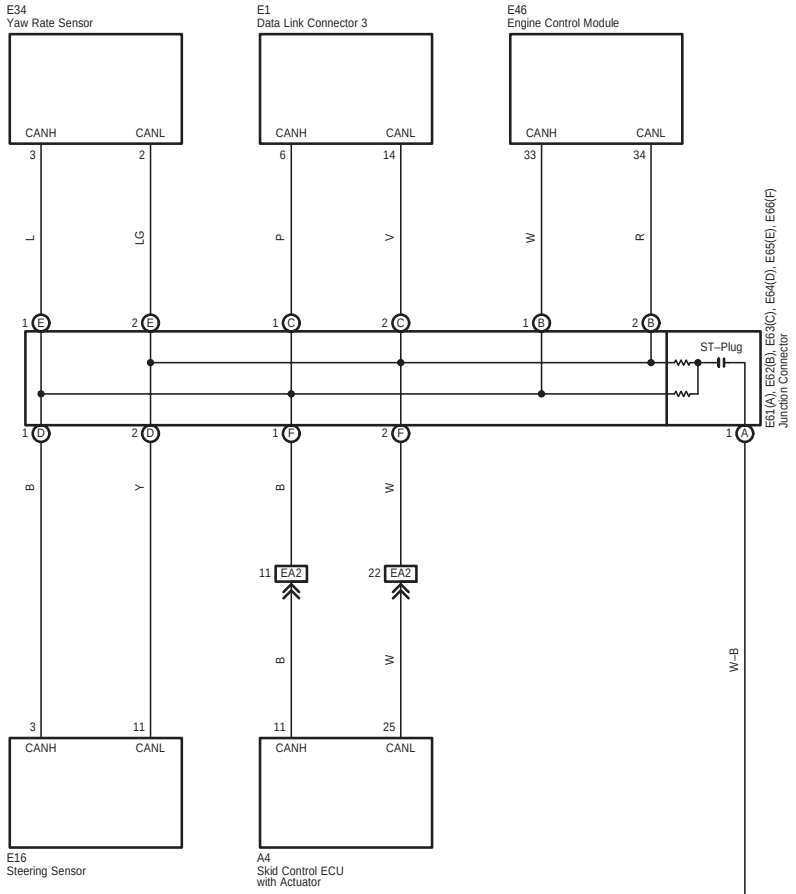



Cruise Control
* 2 : w/ Cruise Control
21
22
23
24
B35
Park/Neutral Position SW
LL
2L
DL
NL
RL
PL
RB
P
R
N
4–D
3
2–L
E57(A)
Junction
Connector
E57(A), E58(B)
Junction
Connector
15A
IG1
7. 5A
GAUGE
(IG)
Transfer Indicator SW
(Neutral Position)
<14–1>
Body ECU
<8–32>
Skid Control ECU
with Actuator
<13–6>
E13(A), E14(B)
Combination Meter
A/T3
IG+
A/T P
Malfunction
Indicator Lamp
A/T OIL
TEMP
CRUISE
CHK
OILW
A/D
ES
E54(A), E51(B)
Junction
Connector
E4
G–R(A/T)
V(A/T)
W–R(A/T)
R–L(A/T)
R–Y(A/T)
R–G(A/T)
B–O(A/T)
P–L(A/T)
B–L(A/T)
R–B
P(A/T)
P–G(*2)

6 FJ CRUISER


Data Link Connector 3
1
2
3
4
(BAT)
7. 5A
OBD
2
2
O
32
EA4
O
16
BAT
SG
5
BR
9
BE2
BR
B2
Airbag Sensor
Assembly Center
<16–4>
P–L
8
6A
8
6F
P–L
13
TC
CG
4
W–B
14
5M
15
5D
W–B
8
B
10
A
E50(A), E51(B)
Junction
Connector
W–B
E4
Engine Control Module
<15–10>
P–L
8
6C
Multiplex Communication System
(CAN)<7–2>
6
CANH
14
CANL
Skid Control ECU with Actuator
<13–5>
R–B
12
TS
R–W
15
WFSE
TAC
9
B–W
Combination Meter
<24–4>
SIL
7
R–Y
E1
Data Link Connector 3
Body ECU
<8–32>
R–Y
13
5G
13
5M
R–Y
13
5H
13
5K
R–Y
9
EE1
Airbag Sensor
Assembly Center
<16–4>
R–Y
5
6A
5
6F
R–Y
Occupant Classification ECU
<16–7>
R–Y
5
6G
R–Y

Multiplex Communication System (CAN)



8 FJ CRUISER

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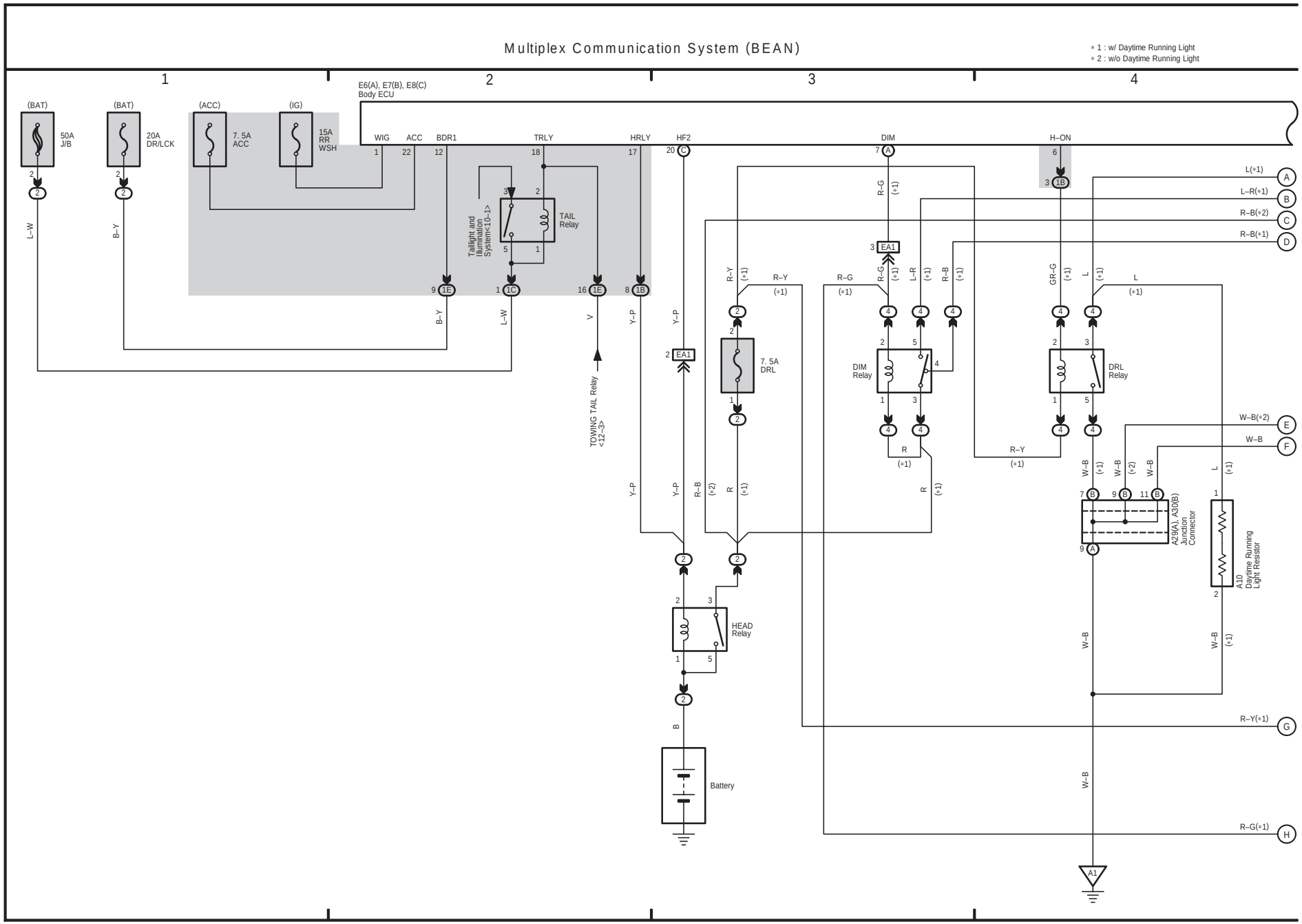

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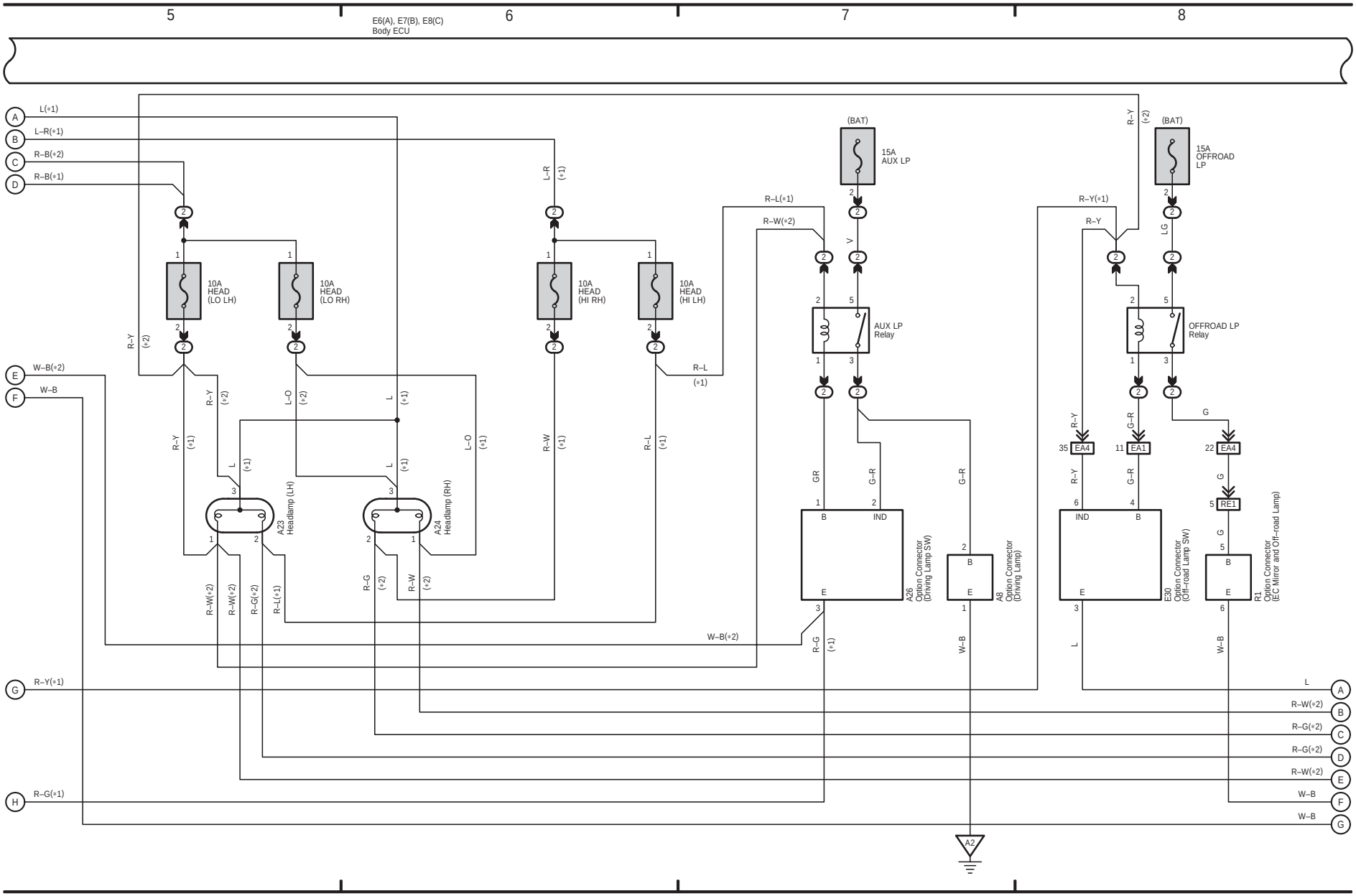
Multiplex Communication System (BEAN)

∗1 : w/ Daytime Running Light
∗2 : w/o Daytime Running Light



8 FJ CRUISER (Cont' d)

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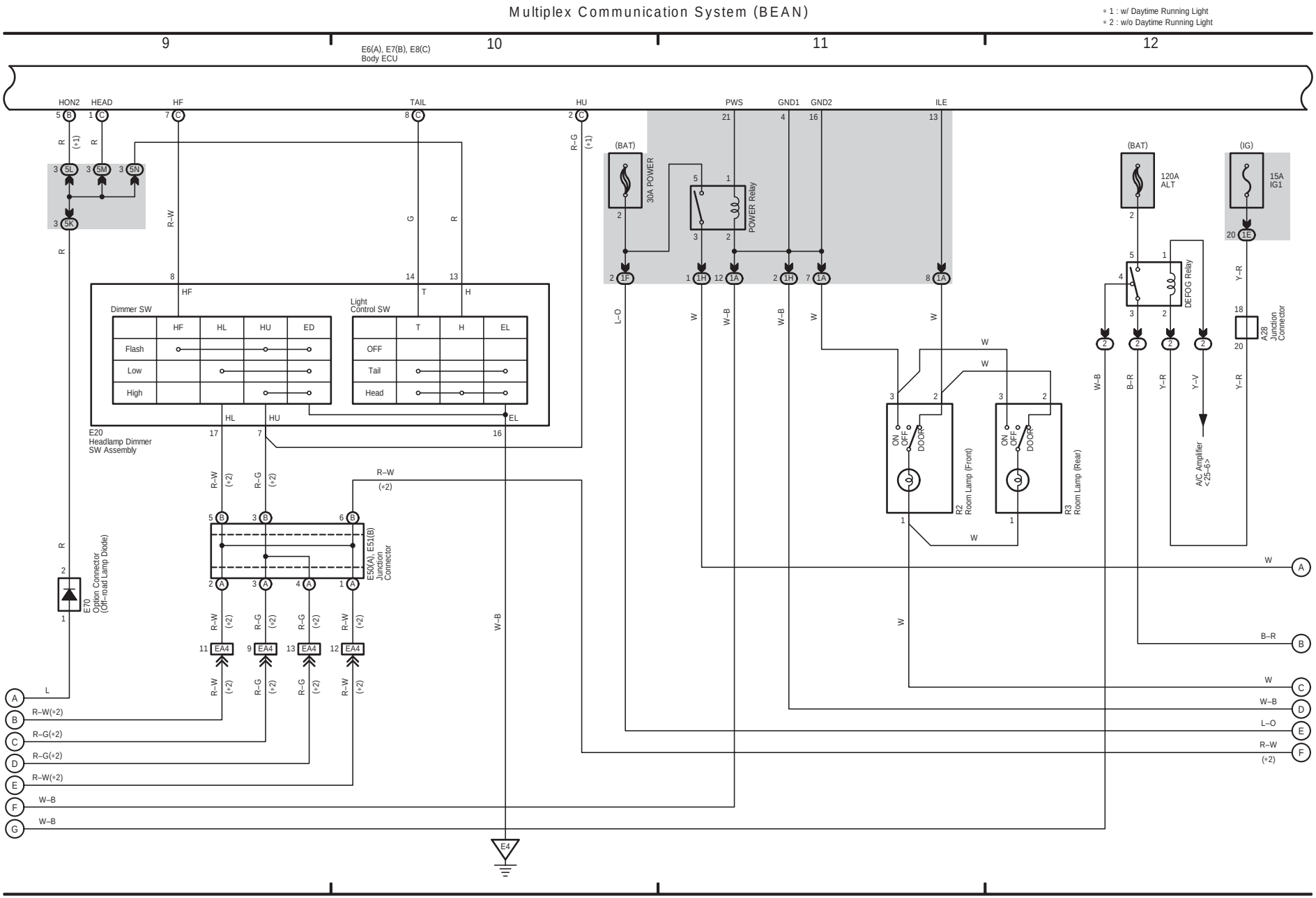

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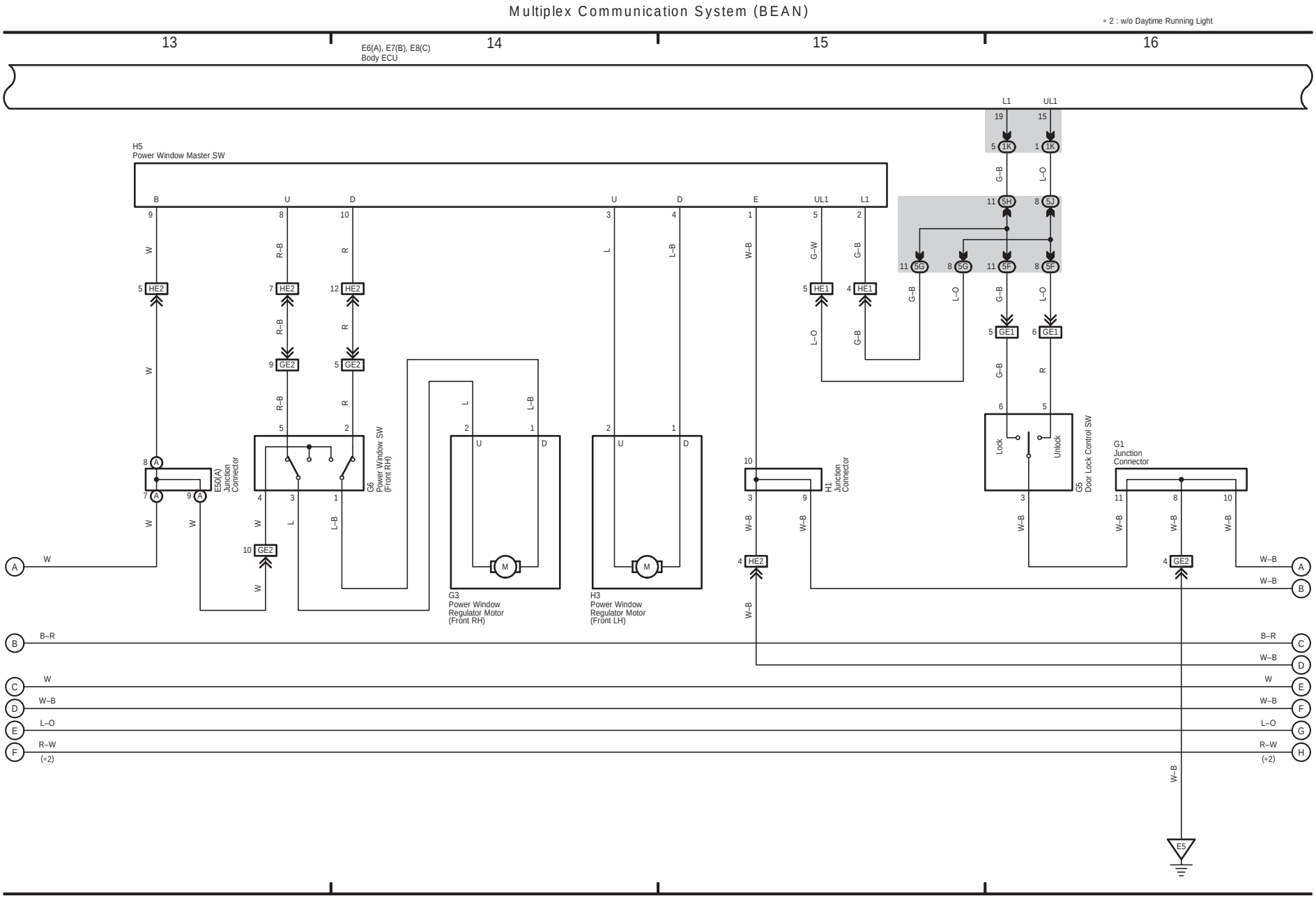

8 FJ CRUISER (Cont' d)

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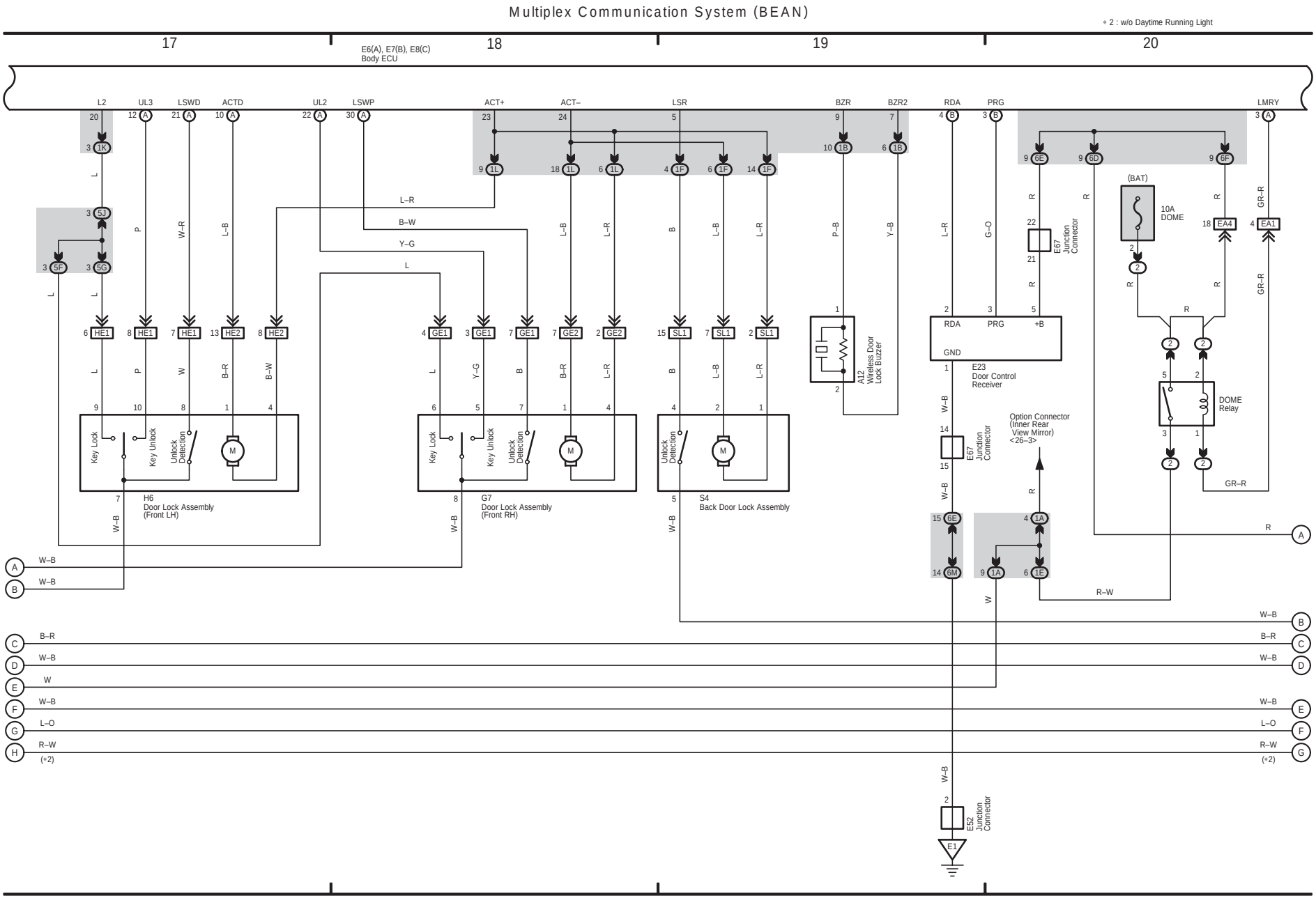

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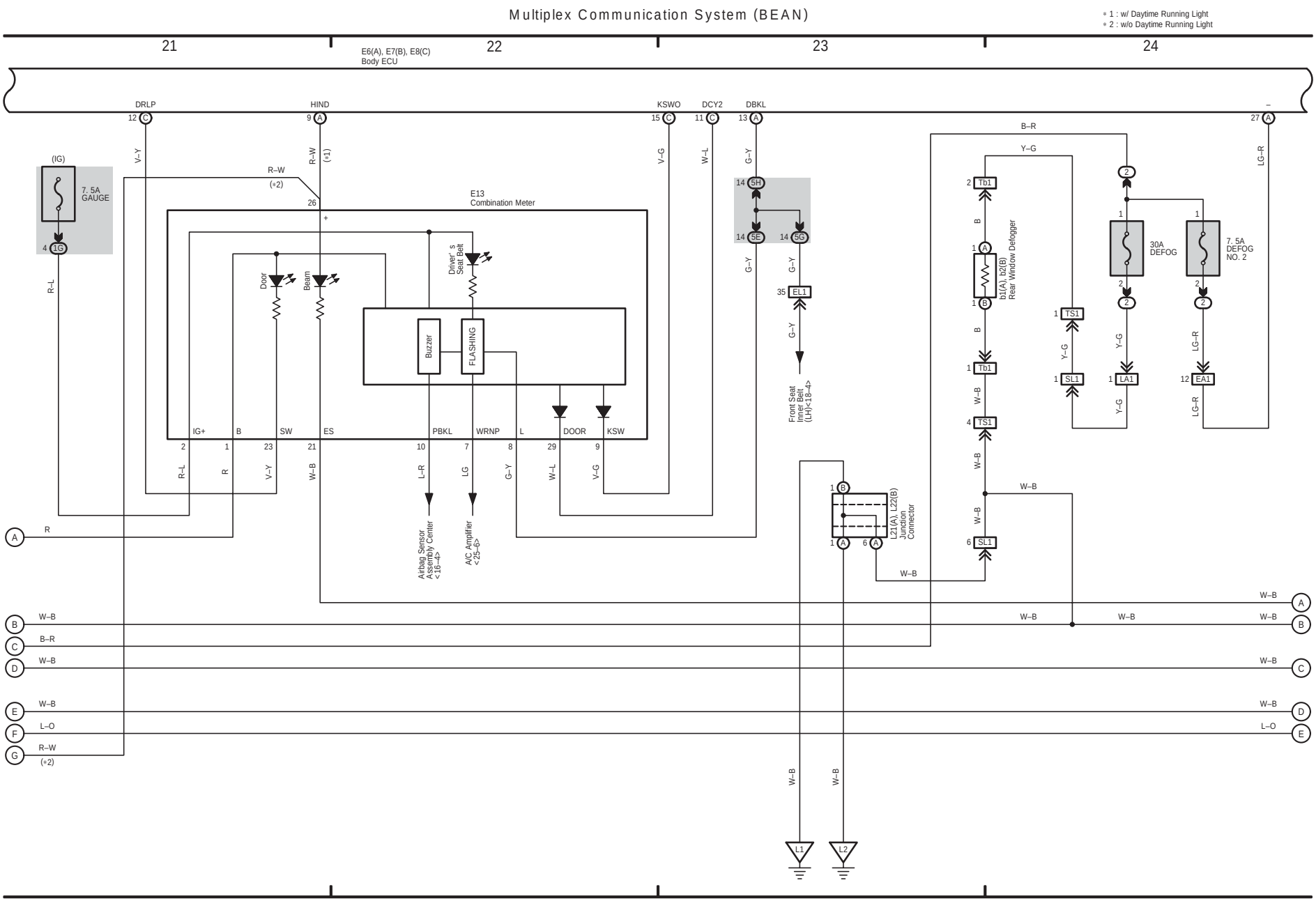

8 FJ CRUISER (Cont' d)

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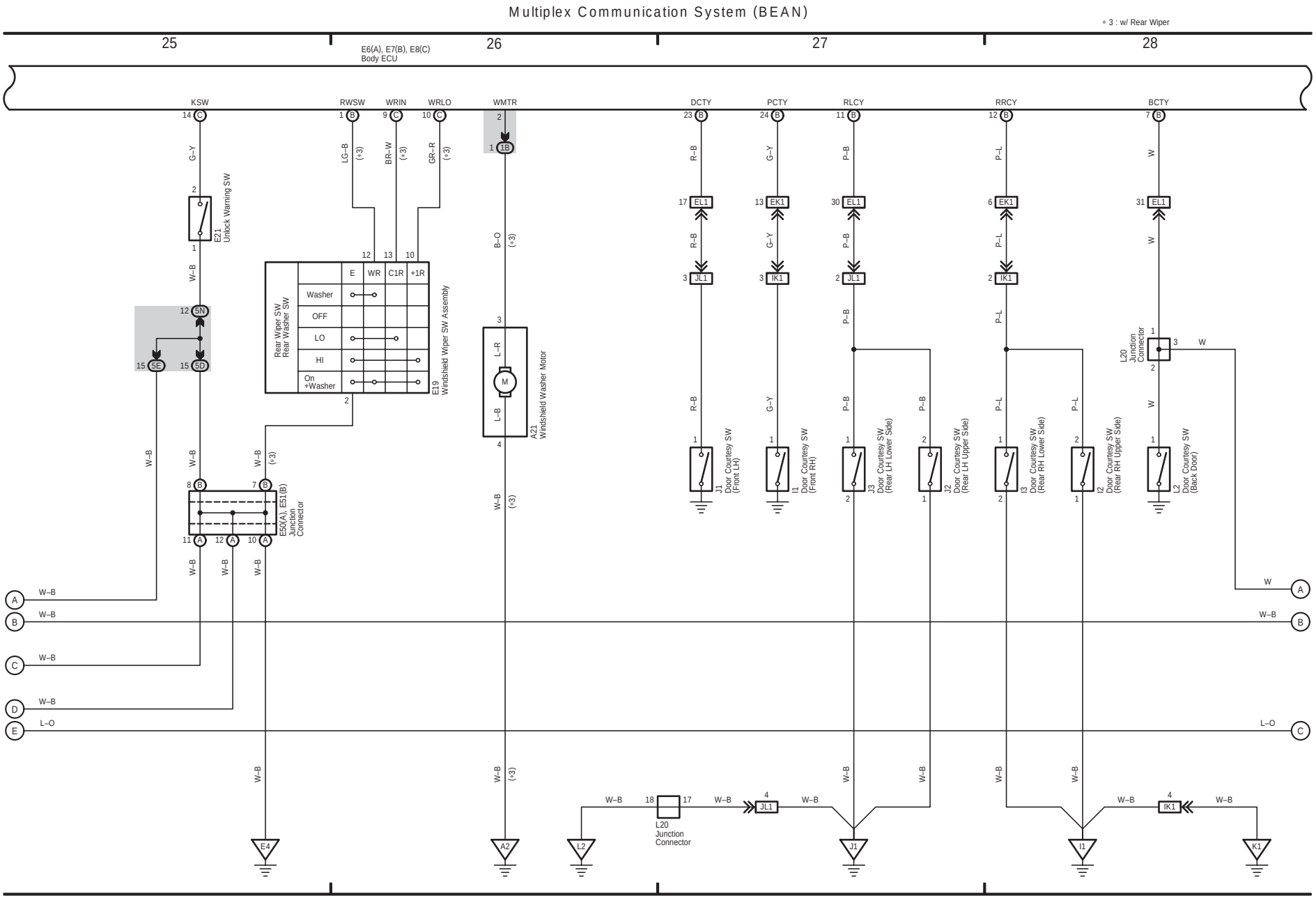

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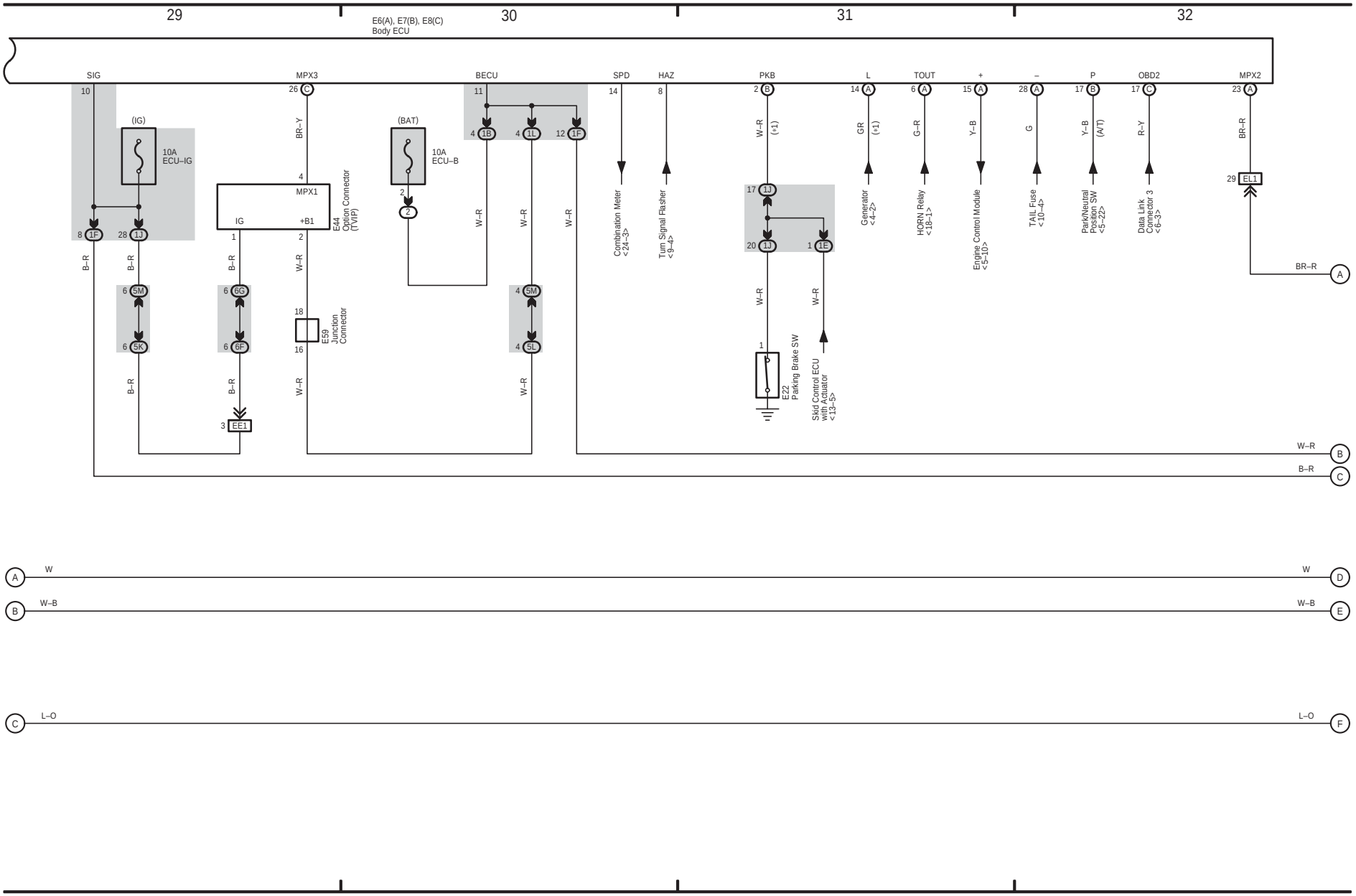
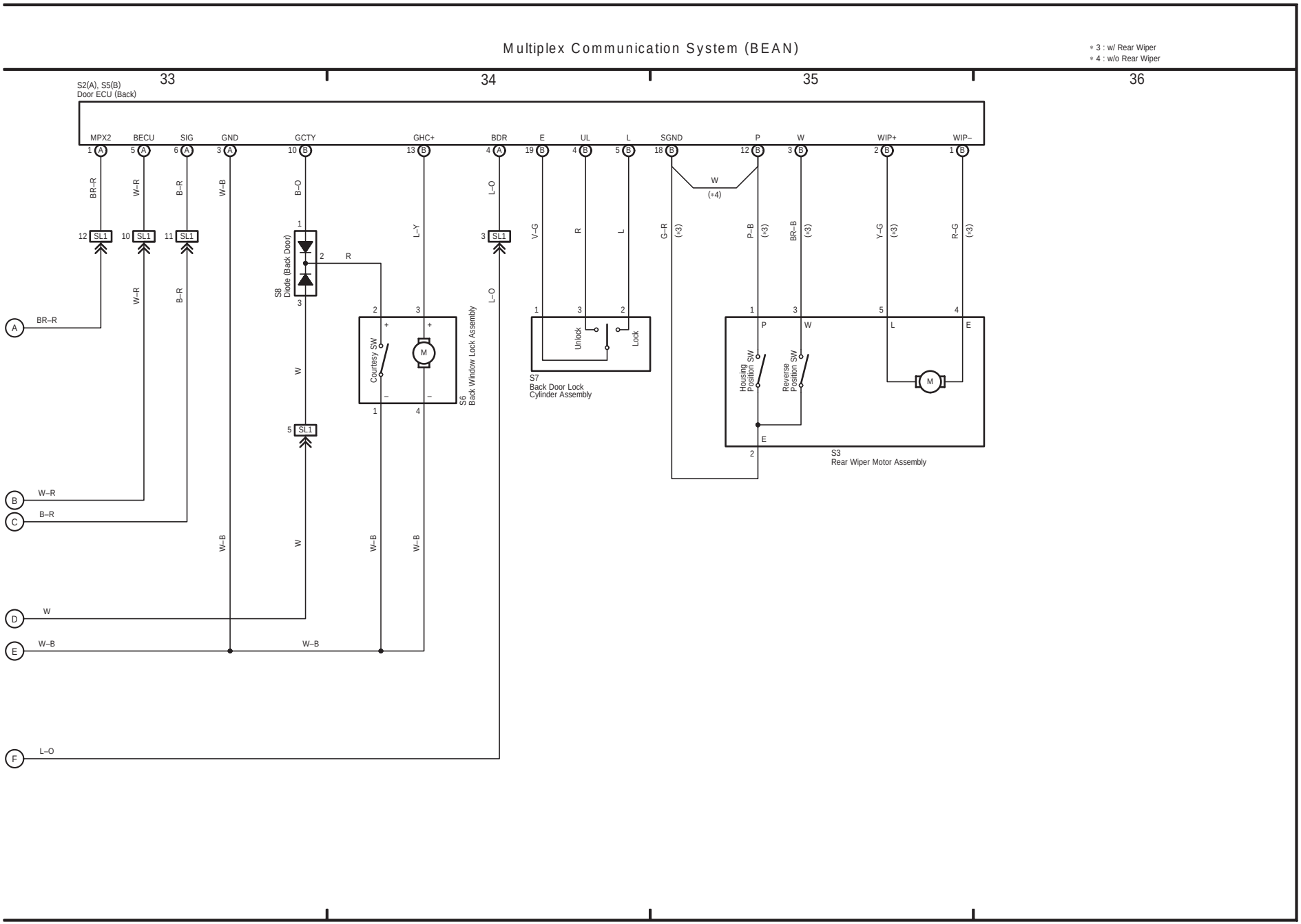
Multiplex Communication System (BEAN)

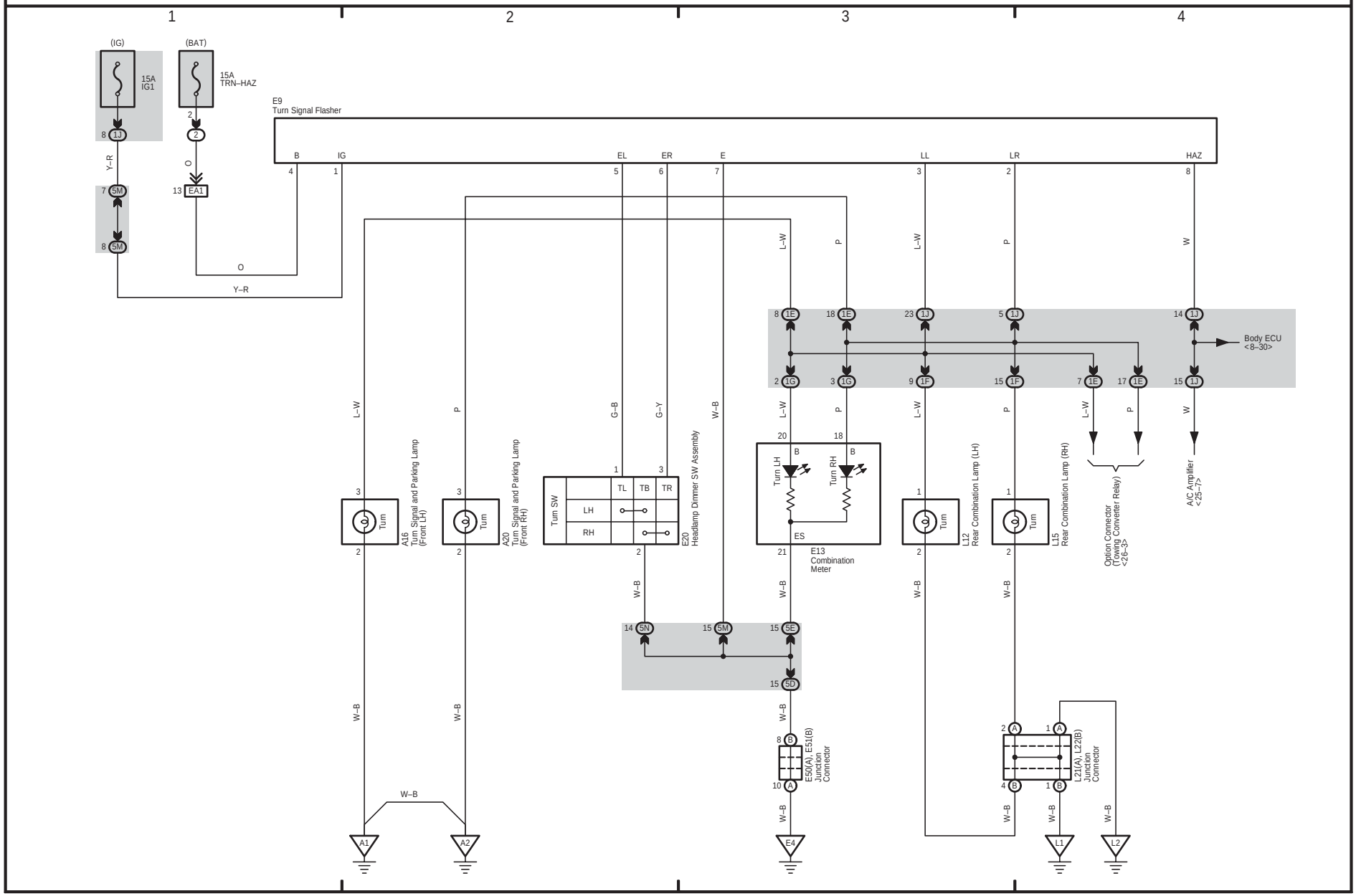
* 1 : w/ Daytime Running Light



8 FJ CRUISER (Cont' d)



Turn Signal and Hazard Warning Light



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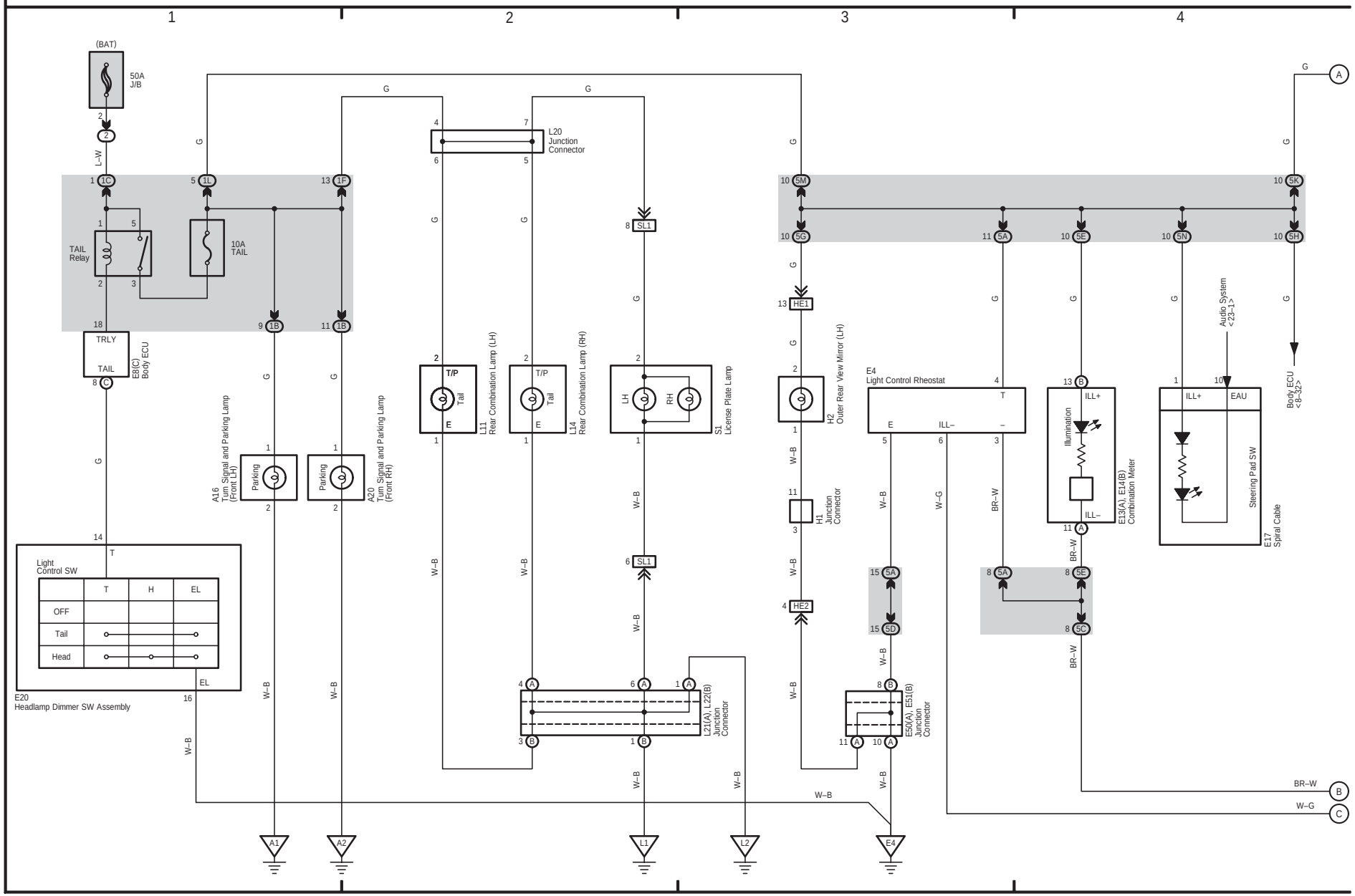
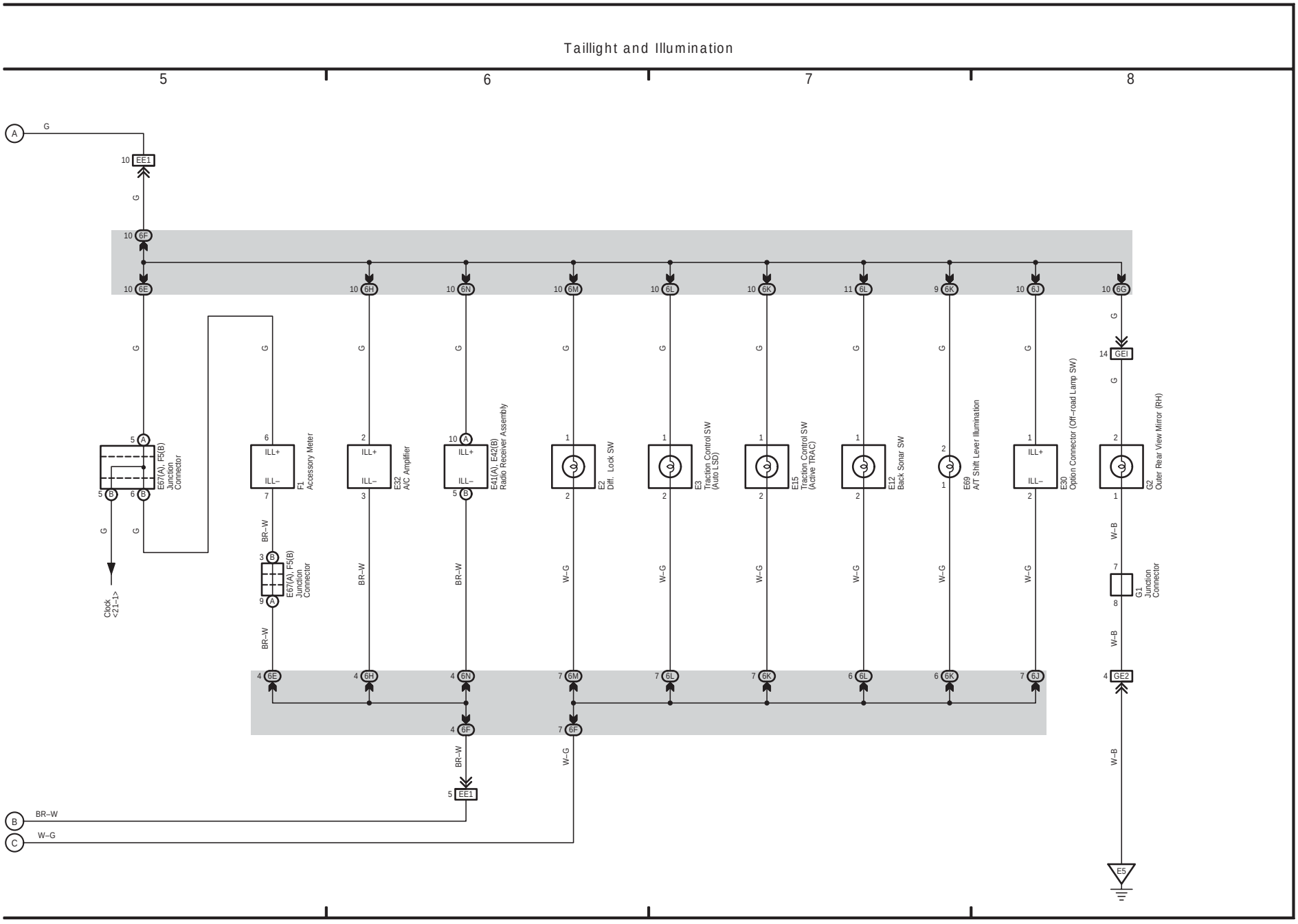
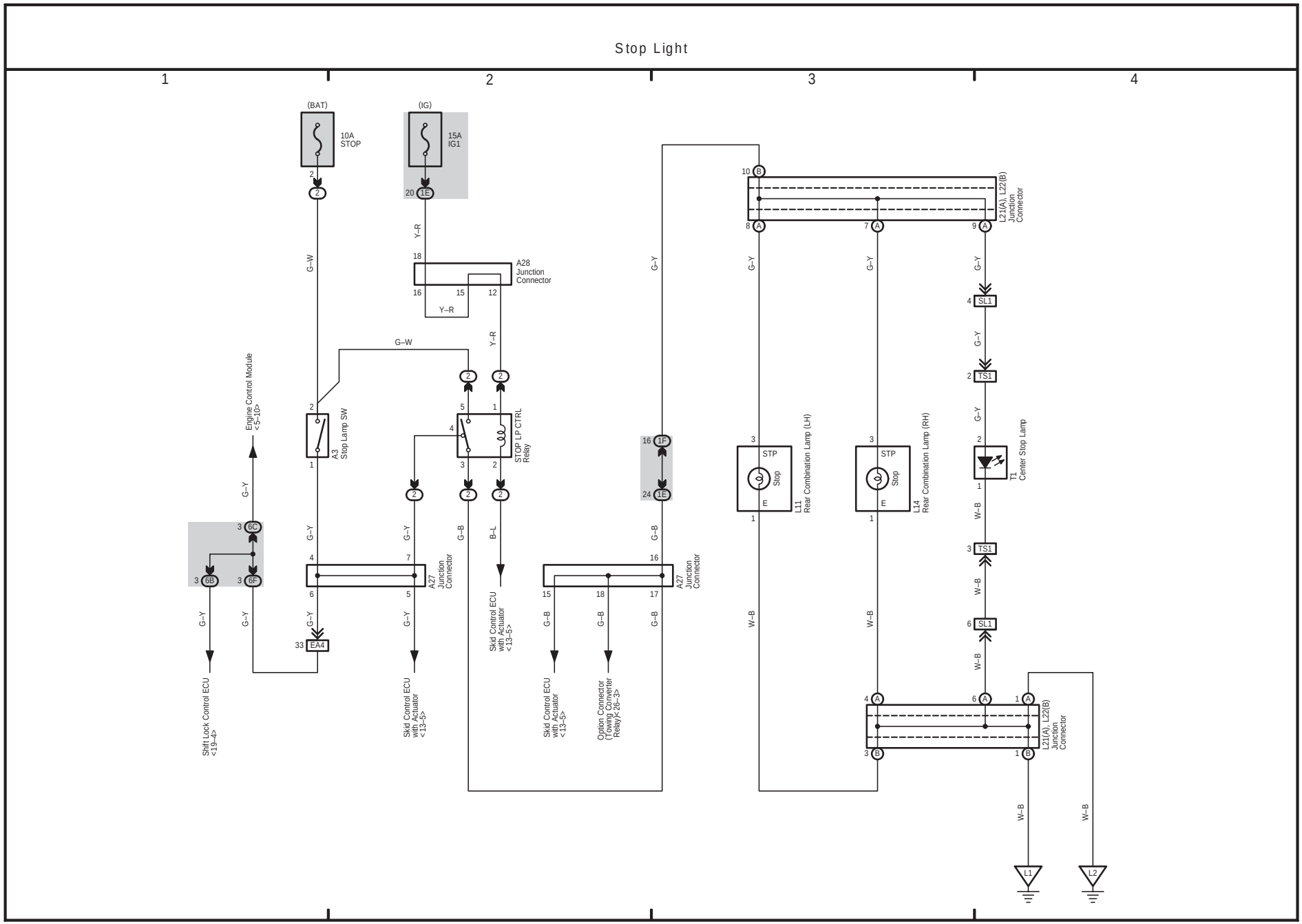
Taillight and Illumination

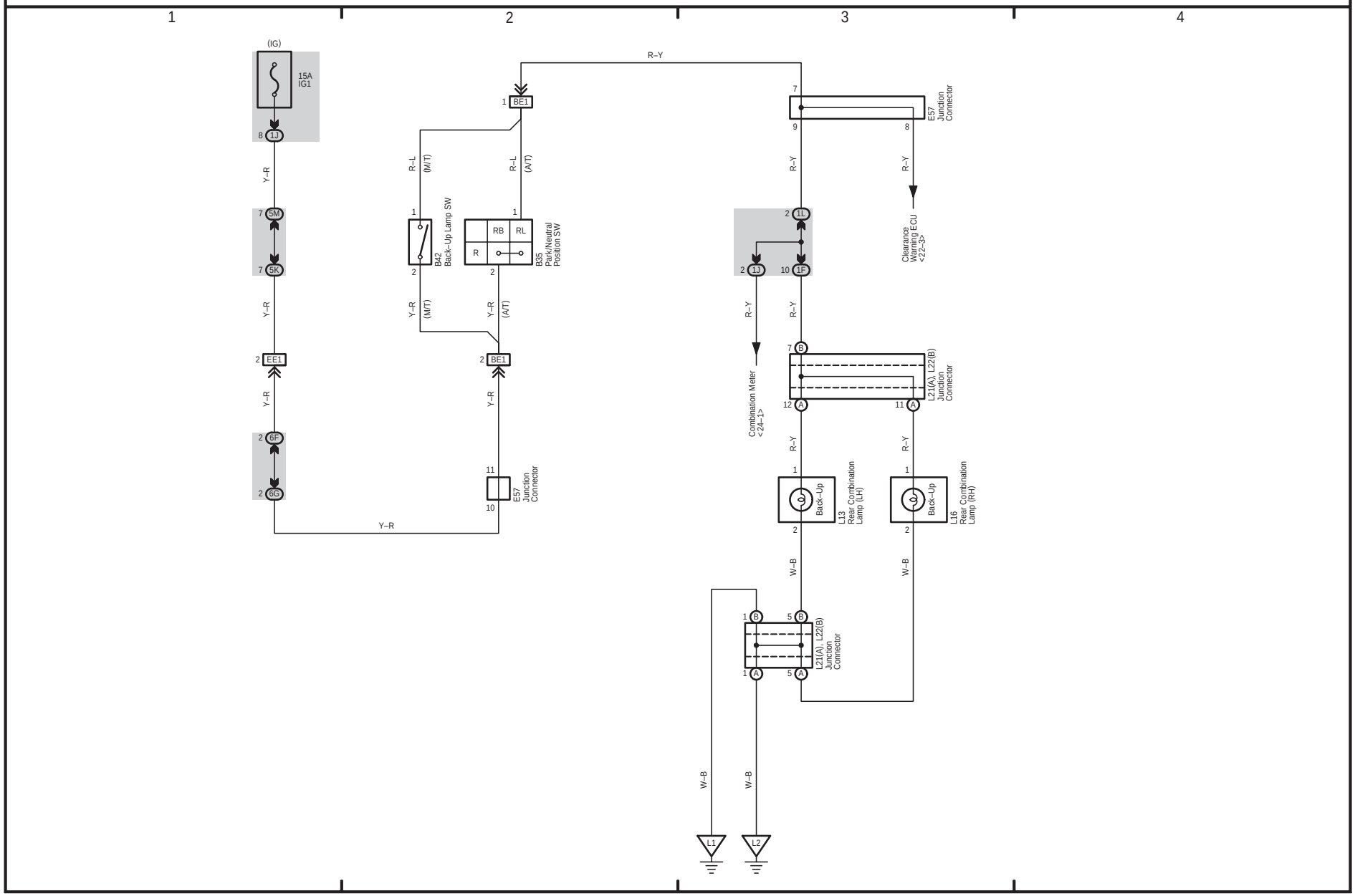



Taillight and Illumination
5
6
7
8
A
G
10 EE1
10 6F
10 6E
10 6H
10 6N
10 6M
10 6L
10 6K
11 6L
9 6K
10 6J
10 6G
14 GEI
E67(A), F5(B) Junction Connector
F1 Accessory Meter
E32 A/C Amplifier
E41(A), E42(B) Radio Receiver Assembly
E2 Diff. Lock SW
E3 Traction Control SW (Auto LSD)
E15 Traction Control SW (Active TRAC)
E12 Back Sonar SW
E69 A/T Shift Lever Illumination
E30 Option Connector (Off–road Lamp SW)
G2 Outer Rear View Mirror (RH)
ILL+
ILL–
Clock <21–1>
BR–W
W–G
W–B
G1 Junction Connector
4 6E
4 6H
4 6N
7 6M
7 6L
7 6K
6 6L
6 6K
7 6J
4 GE2
4 6F
7 6F
5 EE1
B
C
E5

11 FJ CRUISER



Back–Up Light



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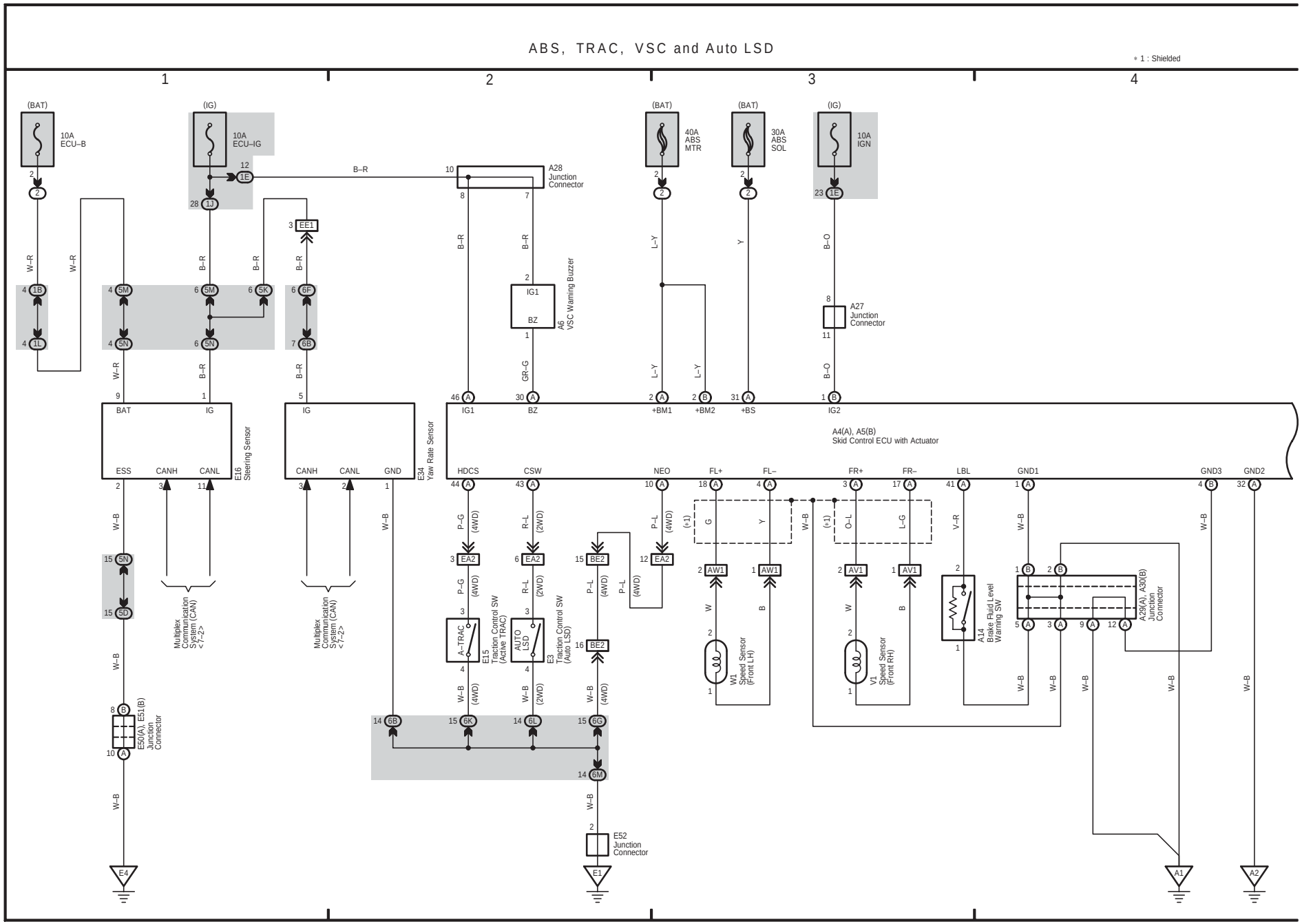
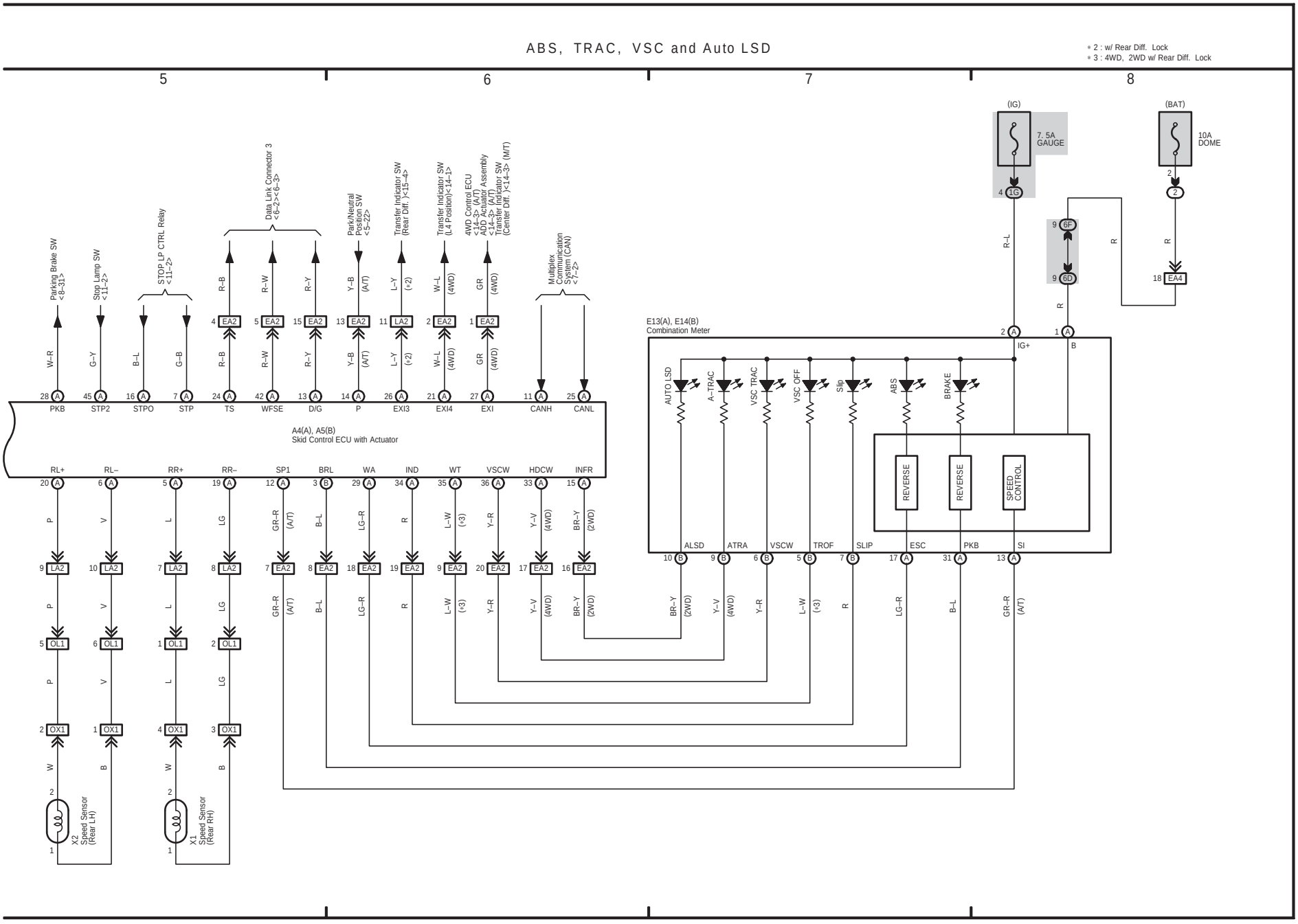
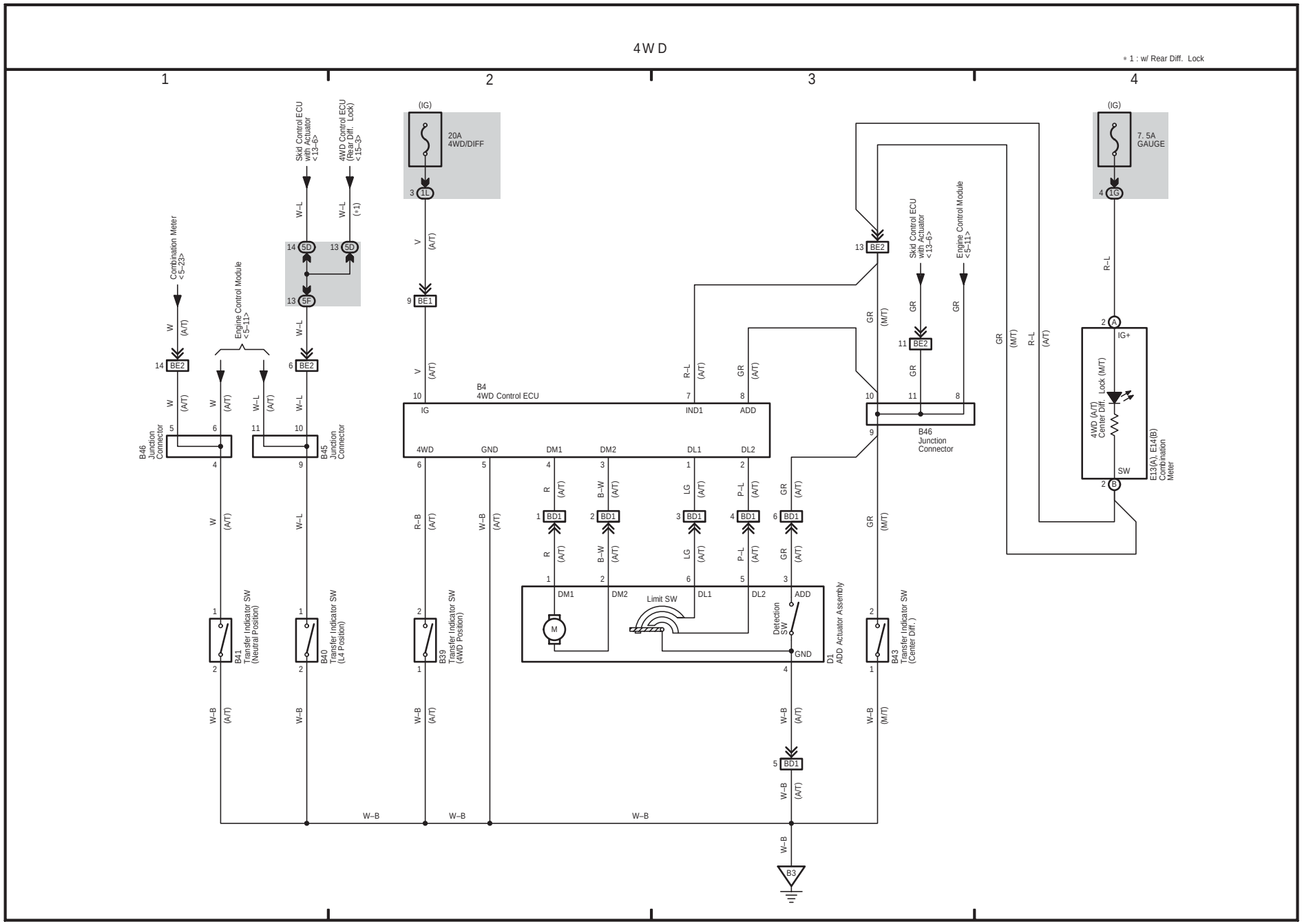
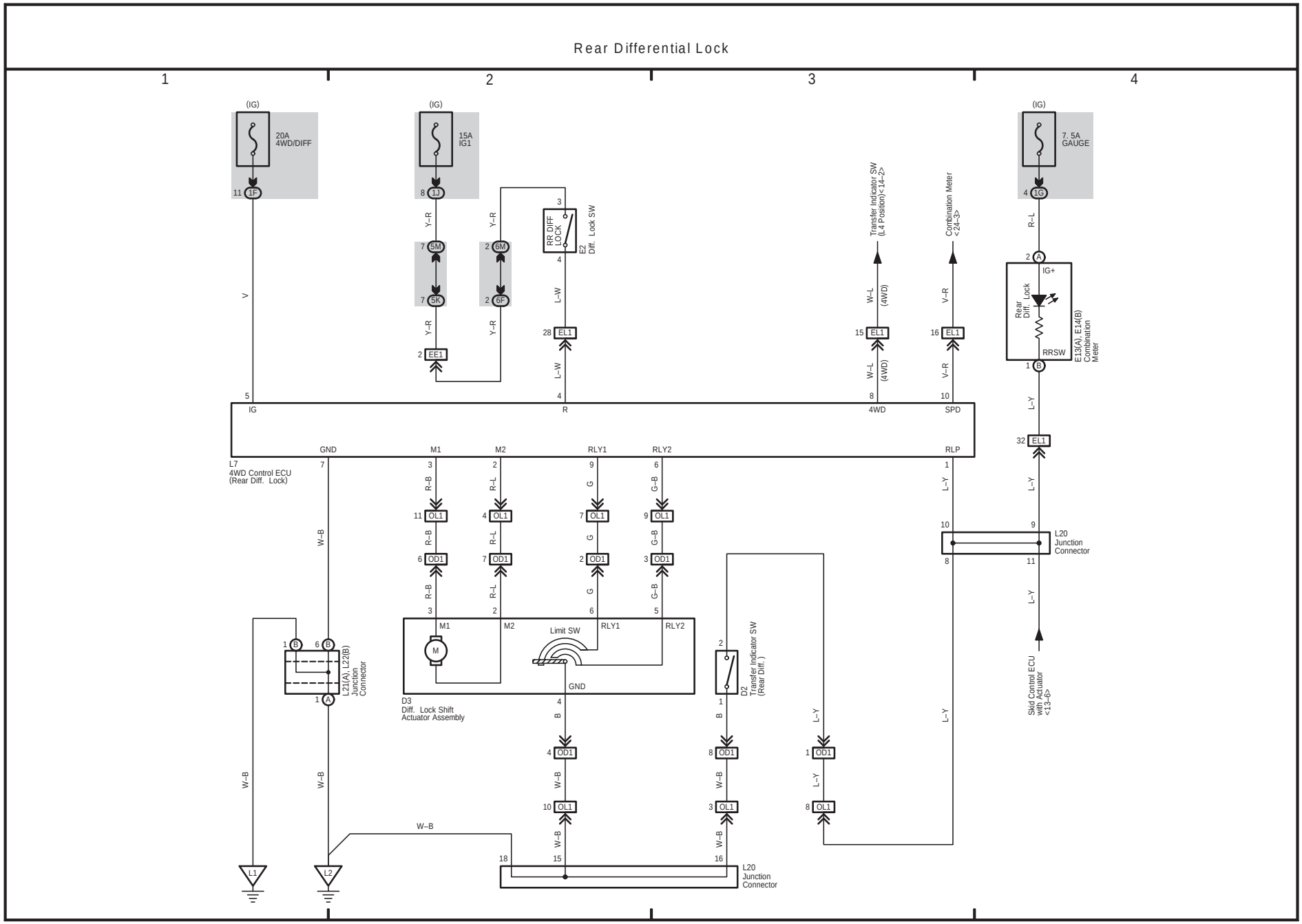



ABS, TRAC, VSC and Auto LSD
* 2 : w/ Rear Diff. Lock
* 3 : 4WD, 2WD w/ Rear Diff. Lock
5
6
7
8
(IG)
7. 5A GAUGE
(BAT)
10A DOME
Parking Brake SW <6-31>
Stop Lamp SW <11-2>
STOP LP CTRL Relay <11-2>
Data Link Connector 3 <6-2><6-3>
Park/Neutral Position SW <5-22>
Transfer Indicator SW (Rear Diff.) <15-4>
Transfer Indicator SW (L4 Position) <14-1>
4WD Control ECU <14-4> (A/T) ABS Actuator Assembly <14-3> (A/T) Transfer Indicator SW (Center Diff.) <14-3> (M/T)
Multiplex Communication System (CAN) <7-2>
E13(A), E14(B) Combination Meter
A4(A), A5(B) Skid Control ECU with Actuator
PKB
STP2
STPO
STP
TS
WFSE
D/G
P
EXI3
EXI4
EXI
CANH
CANL
RL+
RL–
RR+
RR–
SP1
BRL
WA
IND
WT
VSCW
HDCW
INFR
AUTO LSD
A–TRAC
VSC TRAC
VSC OFF
Slip
ABS
BRAKE
REVERSE
REVERSE
SPEED CONTROL
ALSD
ATRA
VSCW
TROF
SLIP
ESC
PKB
SI
IG+
B
X2 Speed Sensor (Rear LH)
X1 Speed Sensor (Rear RH)

14 FJ CRUISER




Rear Differential Lock
1
2
3
4
(IG)
20A
4WD/DIFF
15A
IG1
7. 5A
GAUGE
RR DIFF LOCK
E2
Diff. Lock SW
Transfer Indicator SW
(L4 Position)<14-2>
Combination Meter
<24-3>
Rear Diff. Lock
IG+
RRSW
E13(A), E14(B)
Combination Meter
IG
R
4WD
SPD
GND
M1
M2
RLY1
RLY2
RLP
L7
4WD Control ECU
(Rear Diff. Lock)
L21(A), L22(B)
Junction Connector
Limit SW
D3
Diff. Lock Shift
Actuator Assembly
D2
Transfer Indicator SW
(Rear Diff.)
L20
Junction Connector
Skid Control ECU
with Actuator
<13-6>
L1
L2

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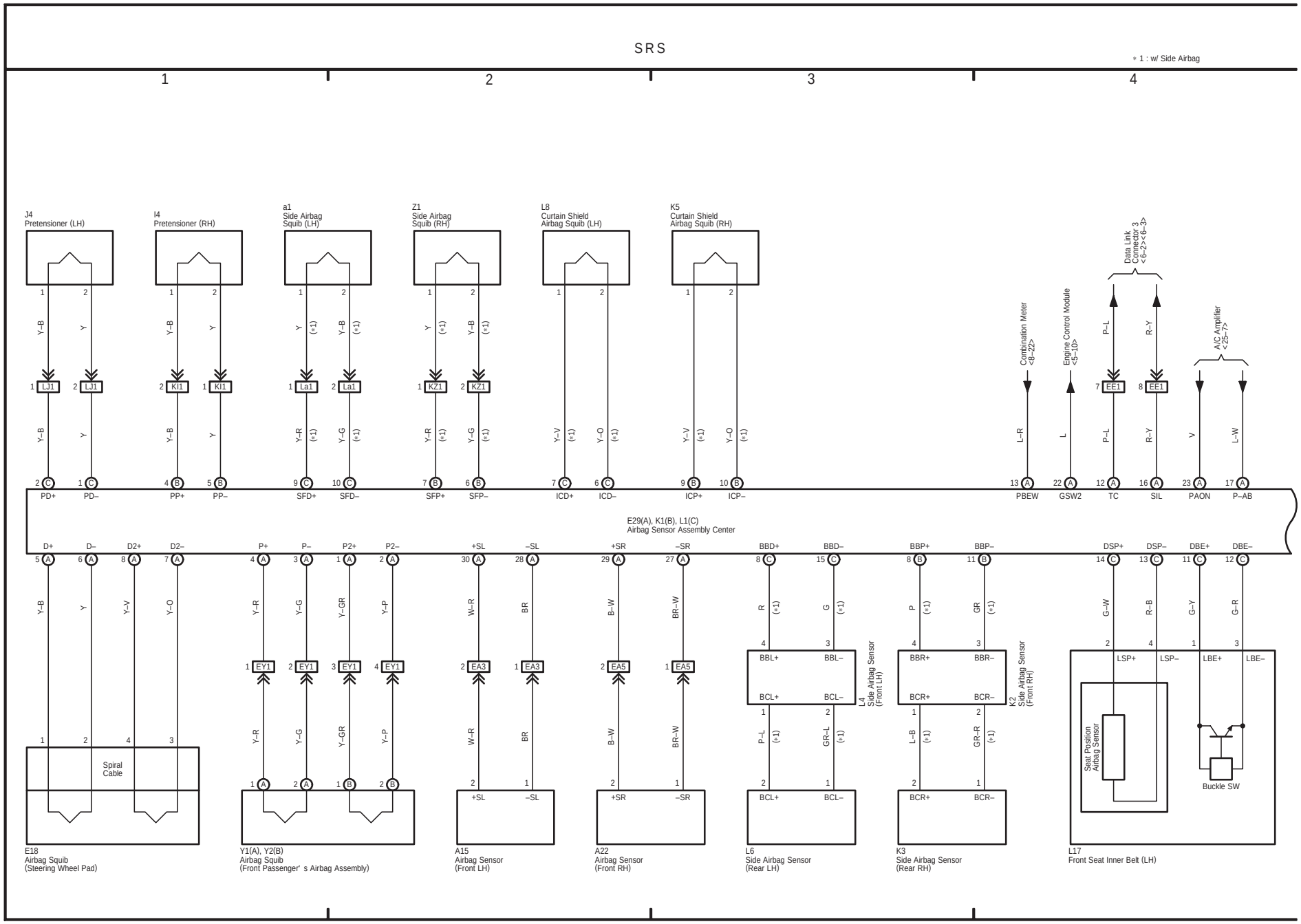
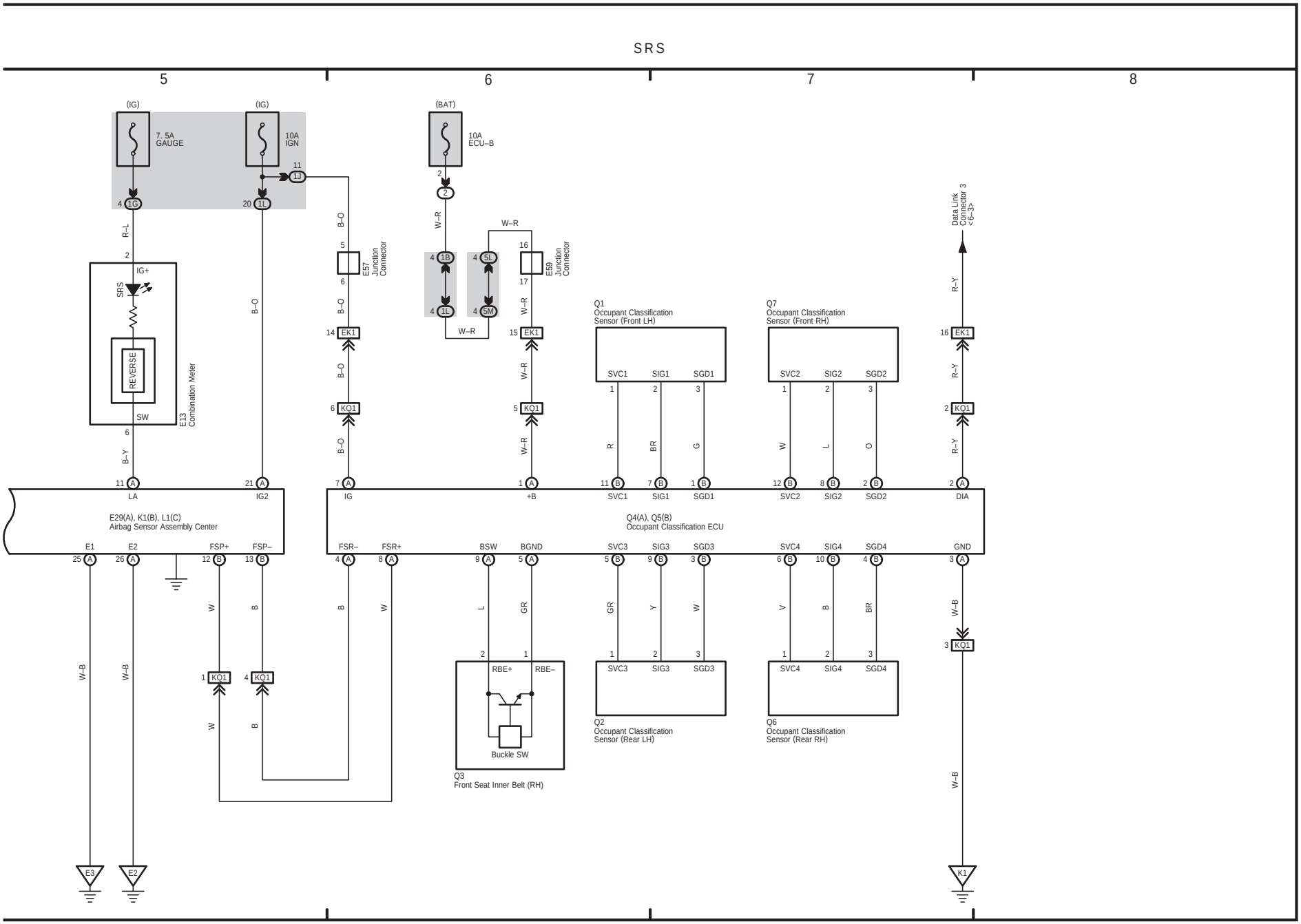
(Cont. next page)




SRS
5
6
7
8
(IG)
7. 5A
GAUGE
(IG)
10A
IGN
(BAT)
10A
ECU–B
E57
Junction
Connector
E59
Junction
Connector
Data Link
Connector 3
<6–3>
IG+
SRS
REVERSE
SW
E13
Combination Meter
Q1
Occupant Classification
Sensor (Front LH)
Q7
Occupant Classification
Sensor (Front RH)
SVC1
SIG1
SGD1
SVC2
SIG2
SGD2
LA
IG2
IG
+B
DIA
E29(A), K1(B), L1(C)
Airbag Sensor Assembly Center
Q4(A), Q5(B)
Occupant Classification ECU
E1
E2
FSP+
FSP–
FSR–
FSR+
BSW
BGND
SVC3
SIG3
SGD3
SVC4
SIG4
SGD4
GND
RBE+
RBE–
Buckle SW
Q3
Front Seat Inner Belt (RH)
Q2
Occupant Classification
Sensor (Rear LH)
Q6
Occupant Classification
Sensor (Rear RH)
E3
E2
K1

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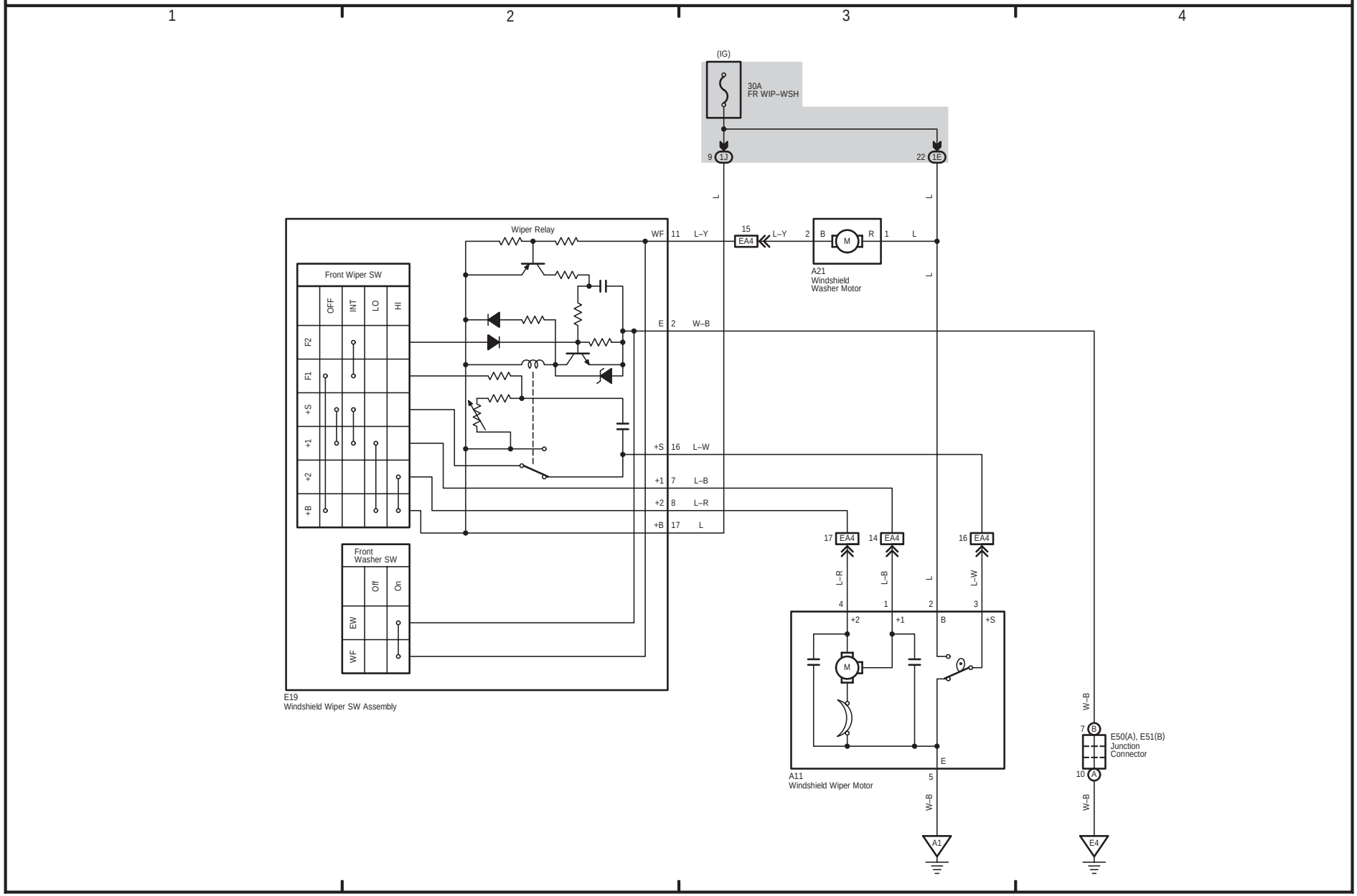
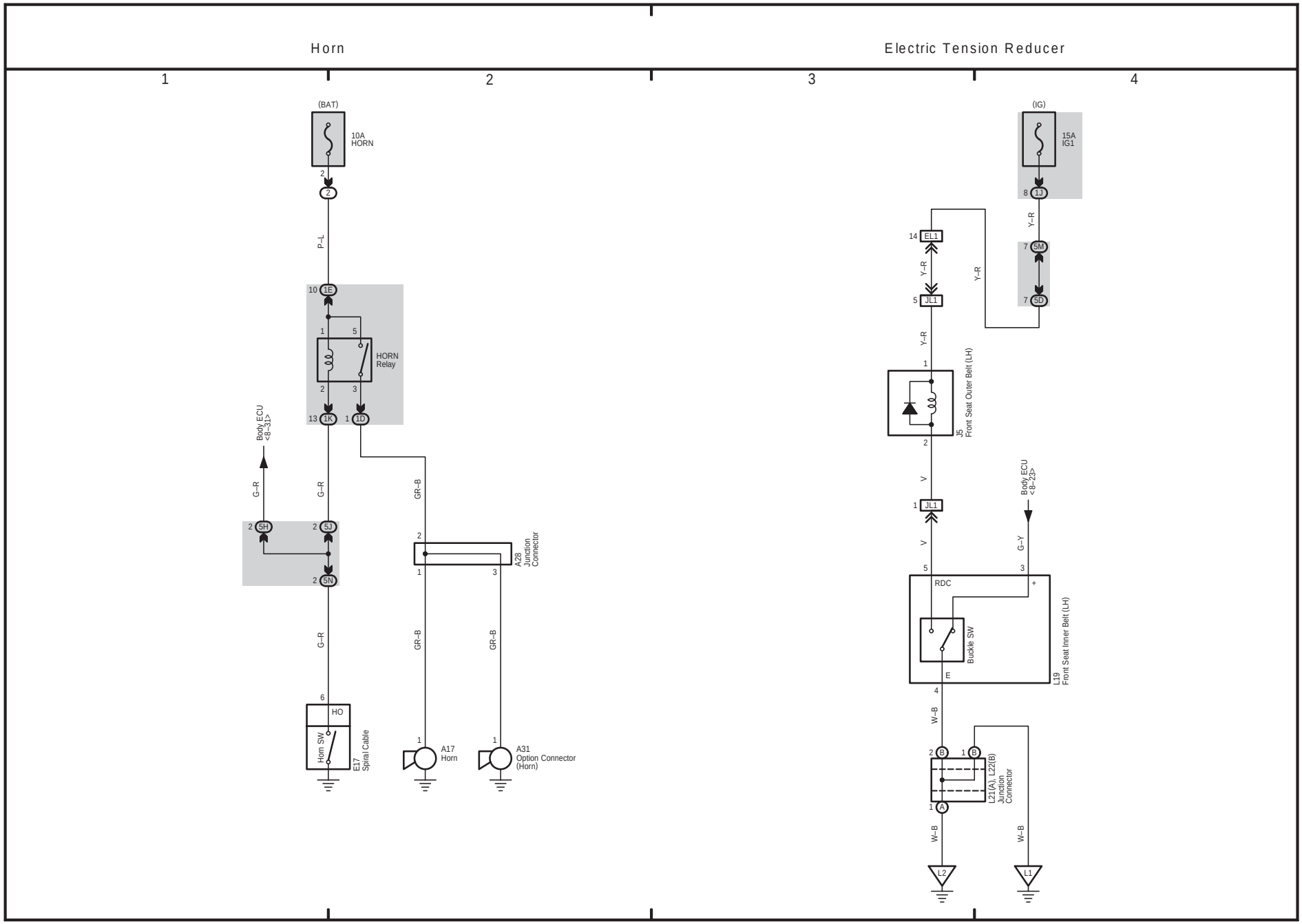
Front Wiper and Washer




Horn
Electric Tension Reducer
1
2
3
4
(BAT)
10A
HORN
2
P–L
10 1E
1
5
HORN
Relay
2
3
13 1K
1 1D
Body ECU
<8–31>
G–R
2 5H
2 5J
2 5N
G–R
G–R
6
HO
Horn SW
E17
Spiral Cable
GR–B
2
A28
Junction
Connector
1
3
GR–B
GR–B
1
A17
Horn
1
A31
Option Connector
(Horn)
(IG)
15A
IG1
8 1J
Y–R
7 5M
7 5D
14 EL1
Y–R
Y–R
5 JL1
Y–R
1
J5
Front Seat Outer Belt (LH)
2
V
1 JL1
V
Body ECU
<8–23>
G–Y
5
3
RDC
+
Buckle SW
E
L19
Front Seat Inner Belt (LH)
4
W–B
2 B
1 B
1 A
L21(A), L22(B)
Junction
Connector
W–B
W–B
L2
L1

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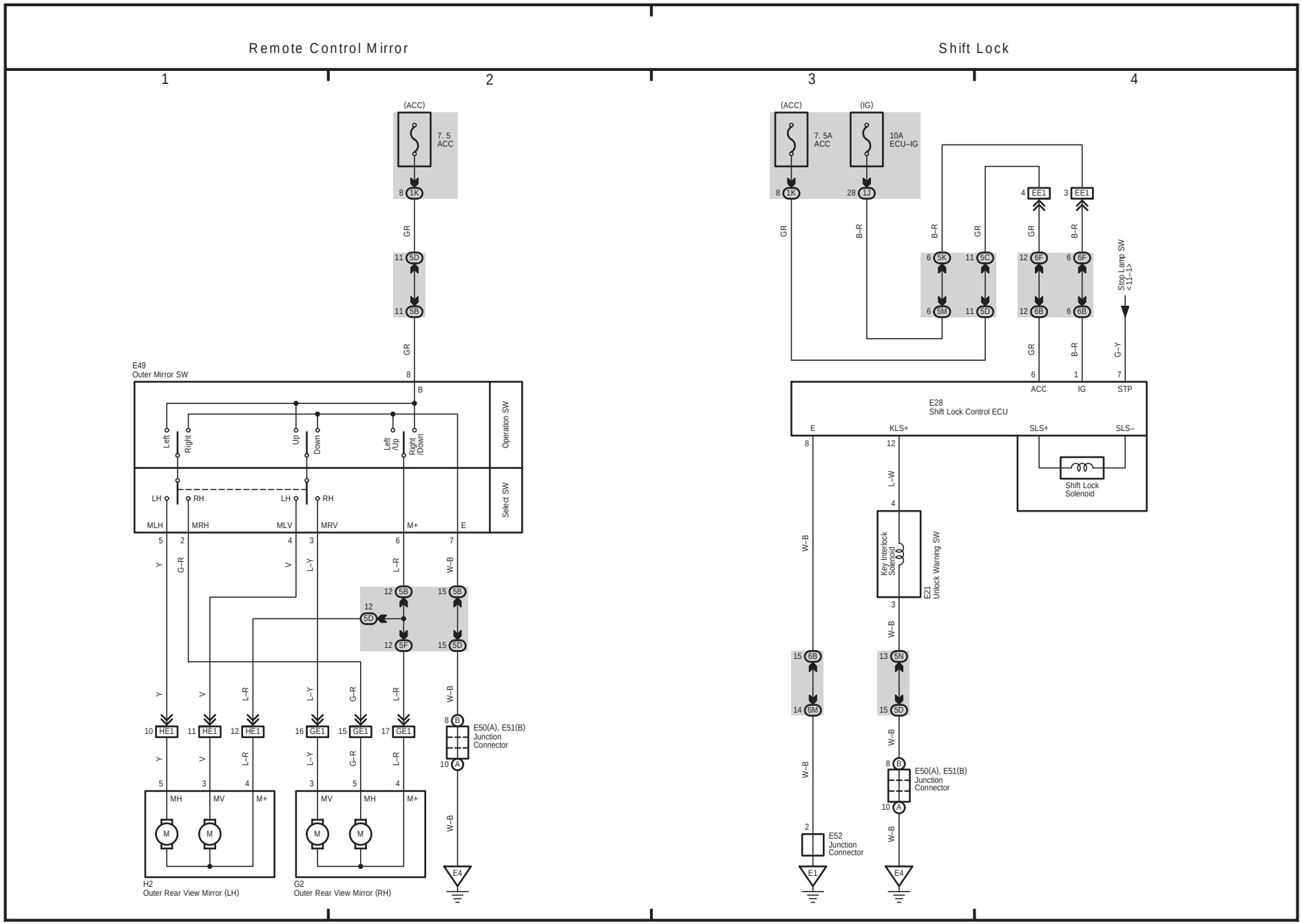

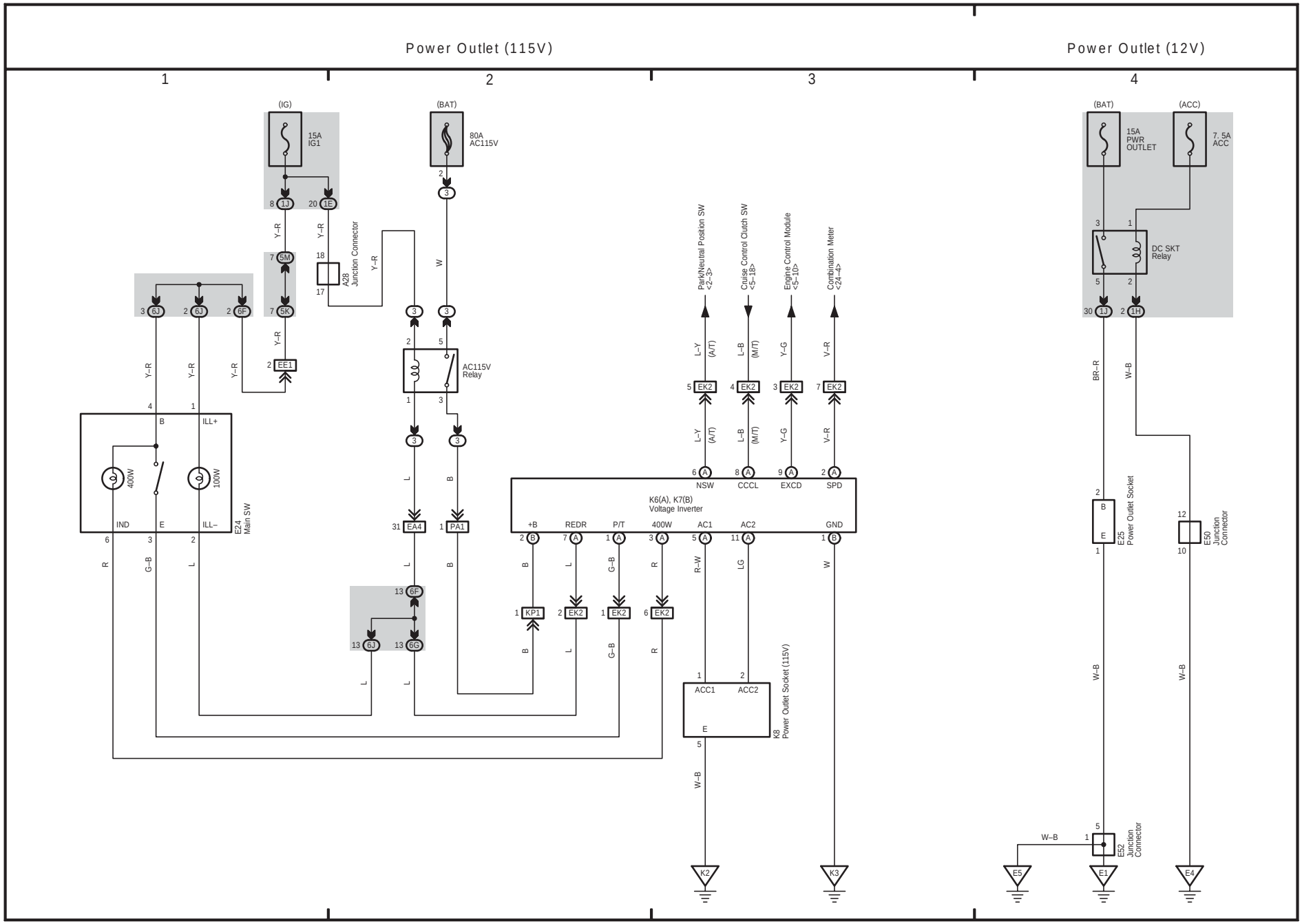
Power Outlet (115V)
Power Outlet (12V)
1
2
3
4
(IG)
15A
IG1
(BAT)
80A
AC115V
A28
Junction Connector
AC115V
Relay
E24
Main SW
400W
100W
IND
E
ILL–
B
ILL+
Park/Neutral Position SW
<2–3>
Cruise Control Clutch SW
<5–18>
Engine Control Module
<5–10>
Combination Meter
<24–4>
NSW
CCCL
EXCD
SPD
K6(A), K7(B)
Voltage Inverter
+B
REDR
P/T
400W
AC1
AC2
GND
ACC1
ACC2
K8
Power Outlet Socket (115V)
(ACC)
15A
PWR
OUTLET
7. 5A
ACC
DC SKT
Relay
E25
Power Outlet Socket
E50
Junction
Connector
E52
Junction
Connector
K2
K3
E5
E1
E4

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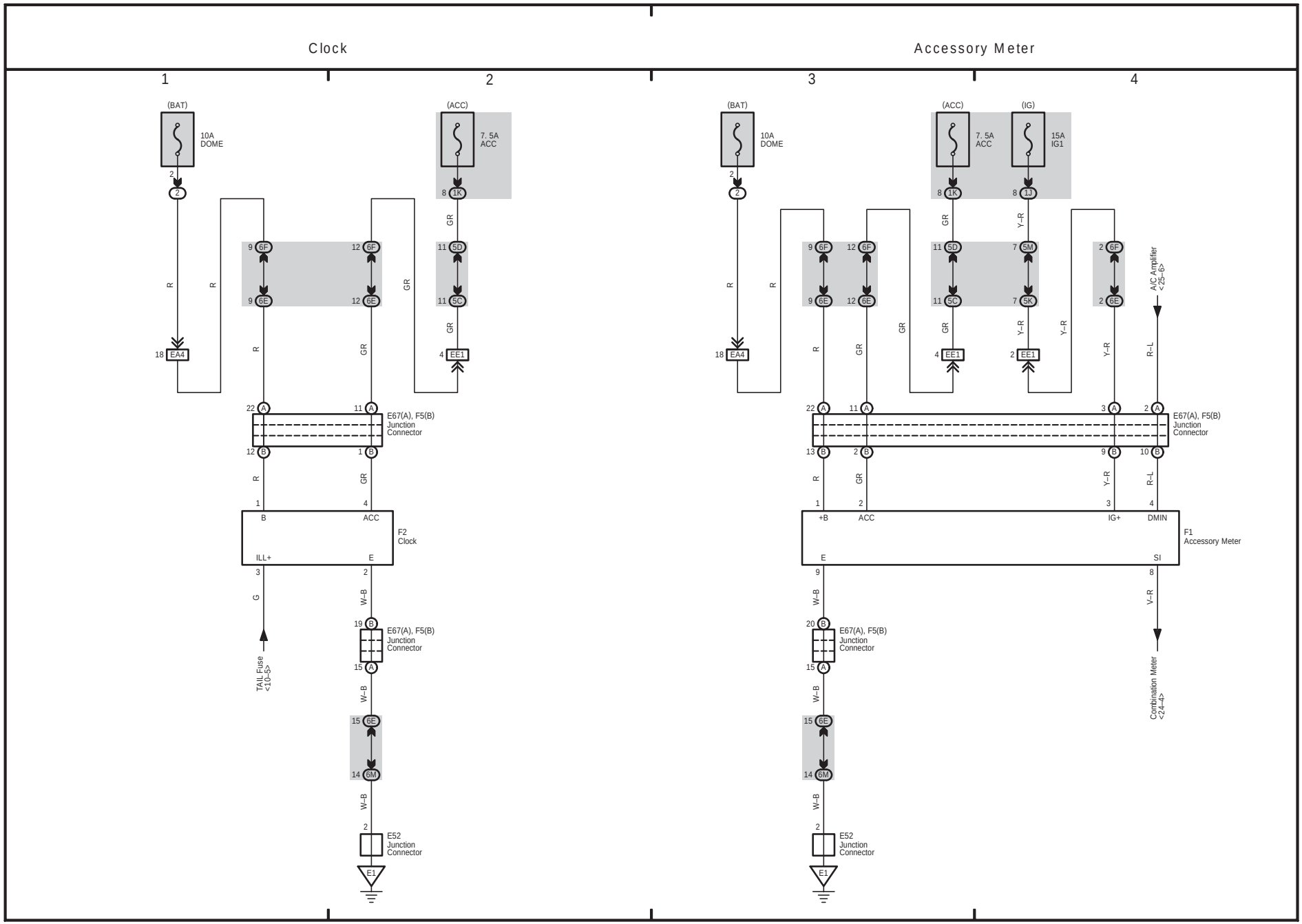
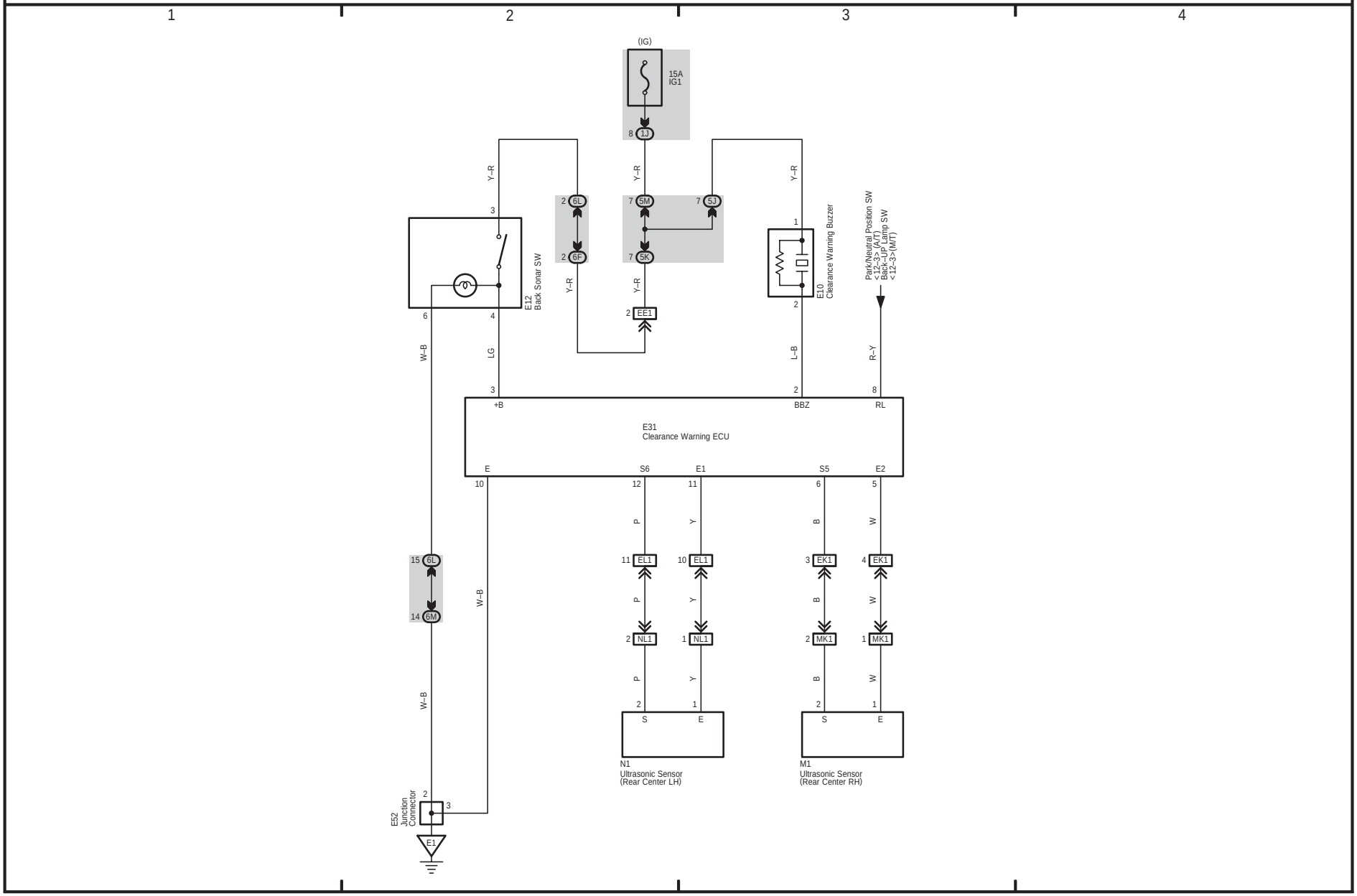


TOYOTA Parking Assist (Clearance Sonar)



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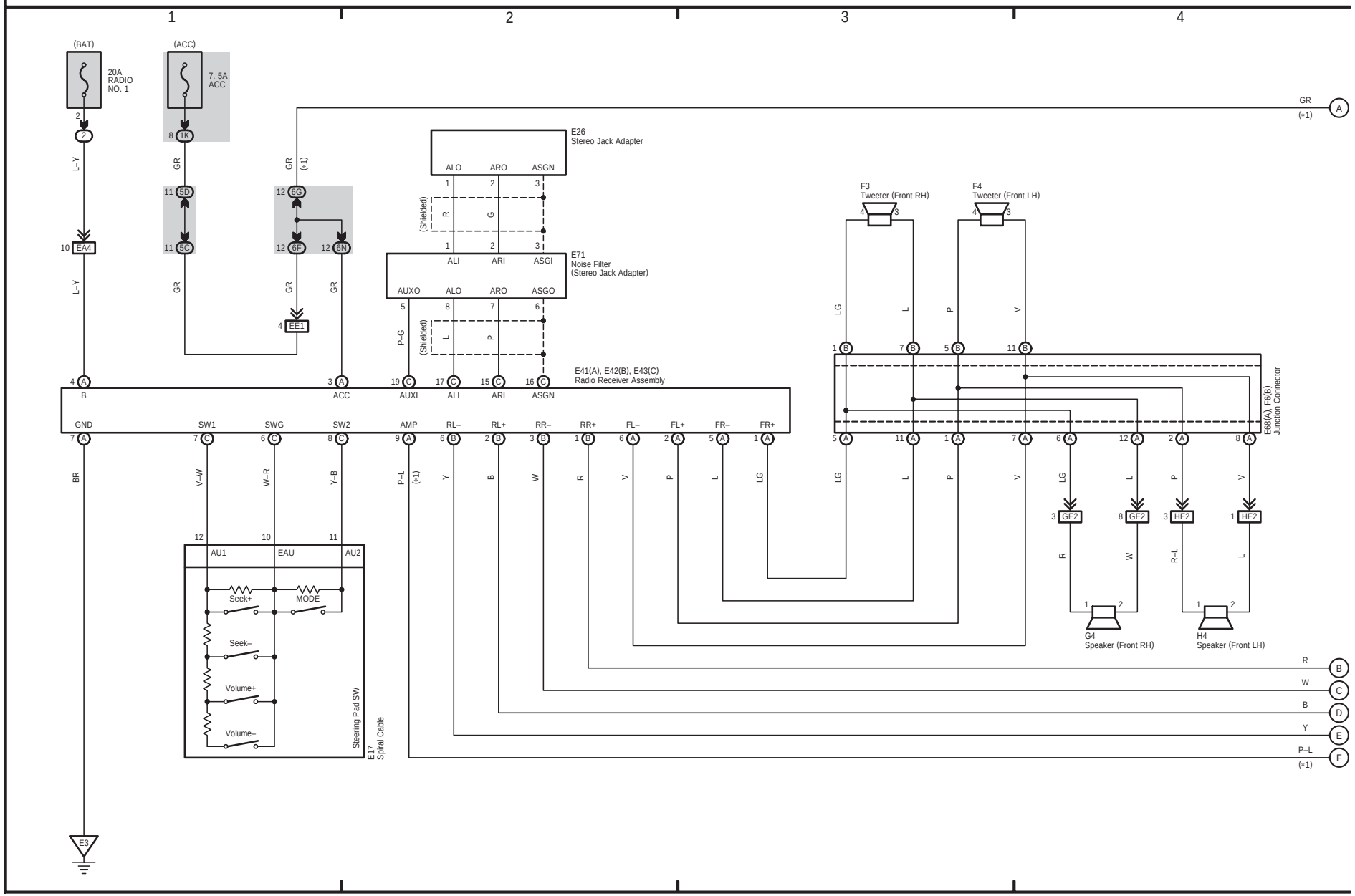
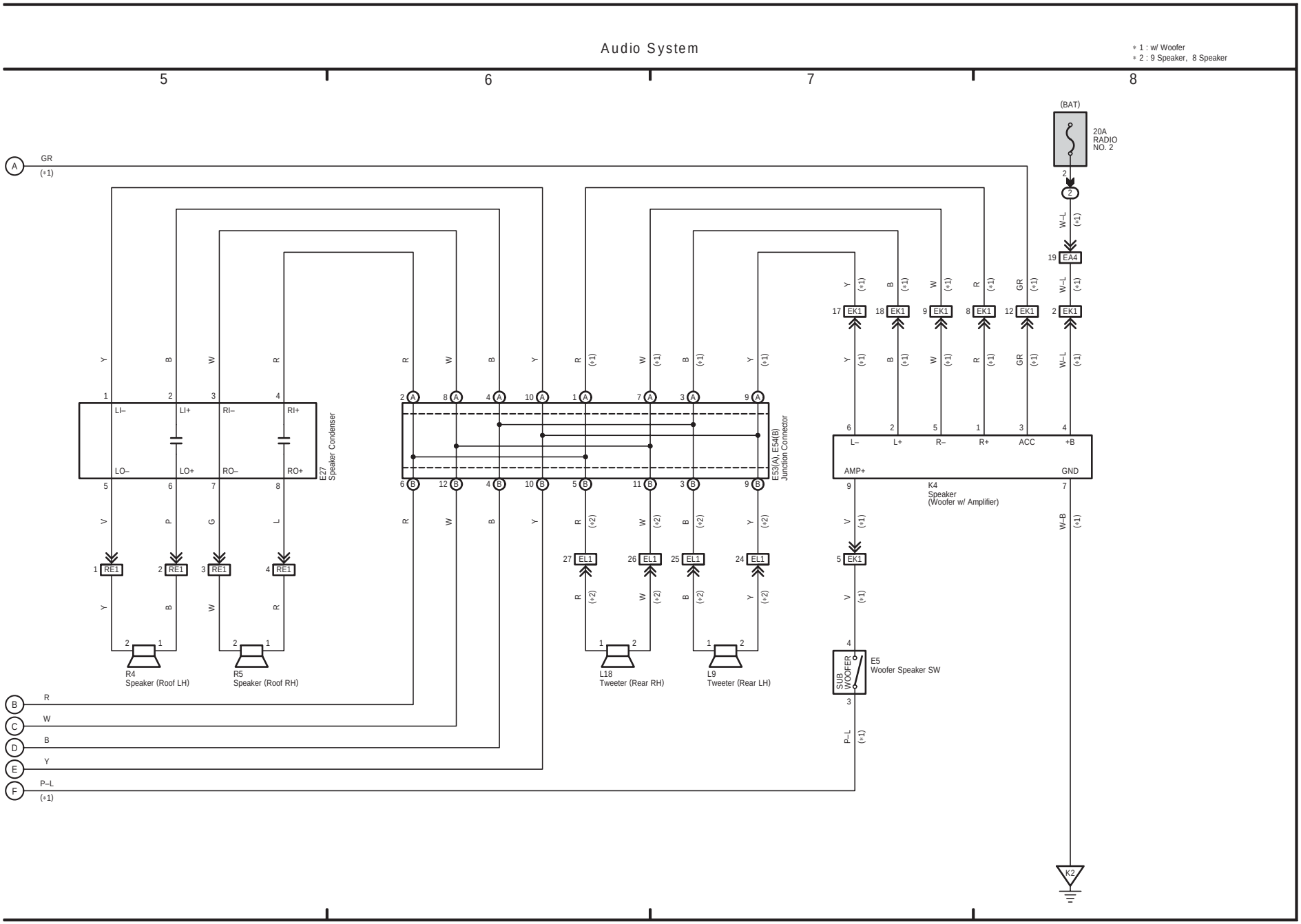
(Cont. next page)

Audio System

* 1 : w/ Woofer




Audio System
* 1 : w/ Woofer
* 2 : 9 Speaker, 8 Speaker
5
6
7
8
(BAT)
20A
RADIO
NO. 2
GR
(*1)
W–L
(*1)
EA4
EK1
LI–
LI+
RI–
RI+
LO–
LO+
RO–
RO+
E27
Speaker Condenser
E53(A), E54(B)
Junction Connector
L–
L+
R–
R+
ACC
+B
AMP+
GND
K4
Speaker
(Woofer w/ Amplifier)
W–B
(*1)
RE1
EL1
R4
Speaker (Roof LH)
R5
Speaker (Roof RH)
L18
Tweeter (Rear RH)
L9
Tweeter (Rear LH)
SUB
WOOFER
E5
Woofer Speaker SW
P–L
(*1)
K2

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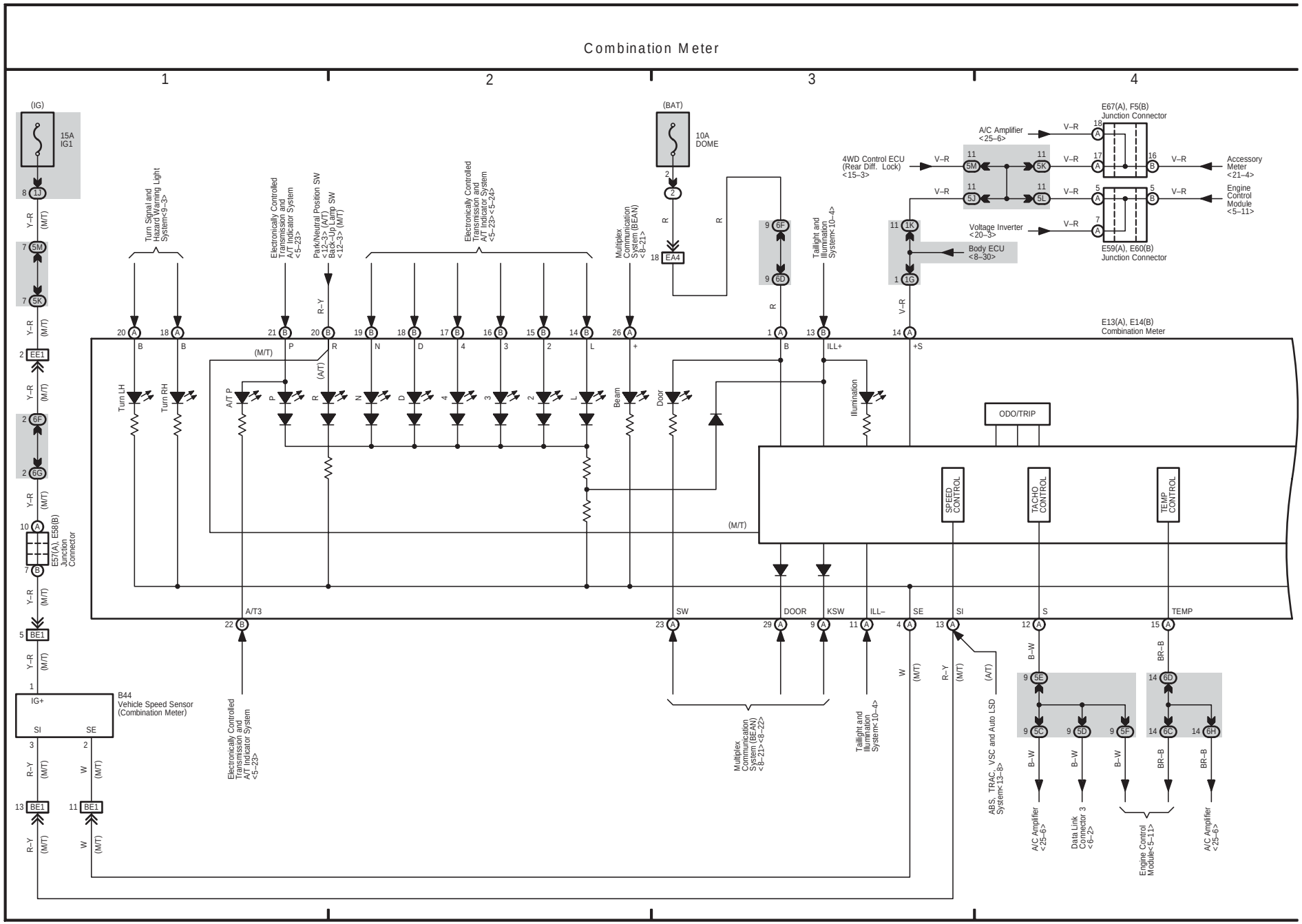
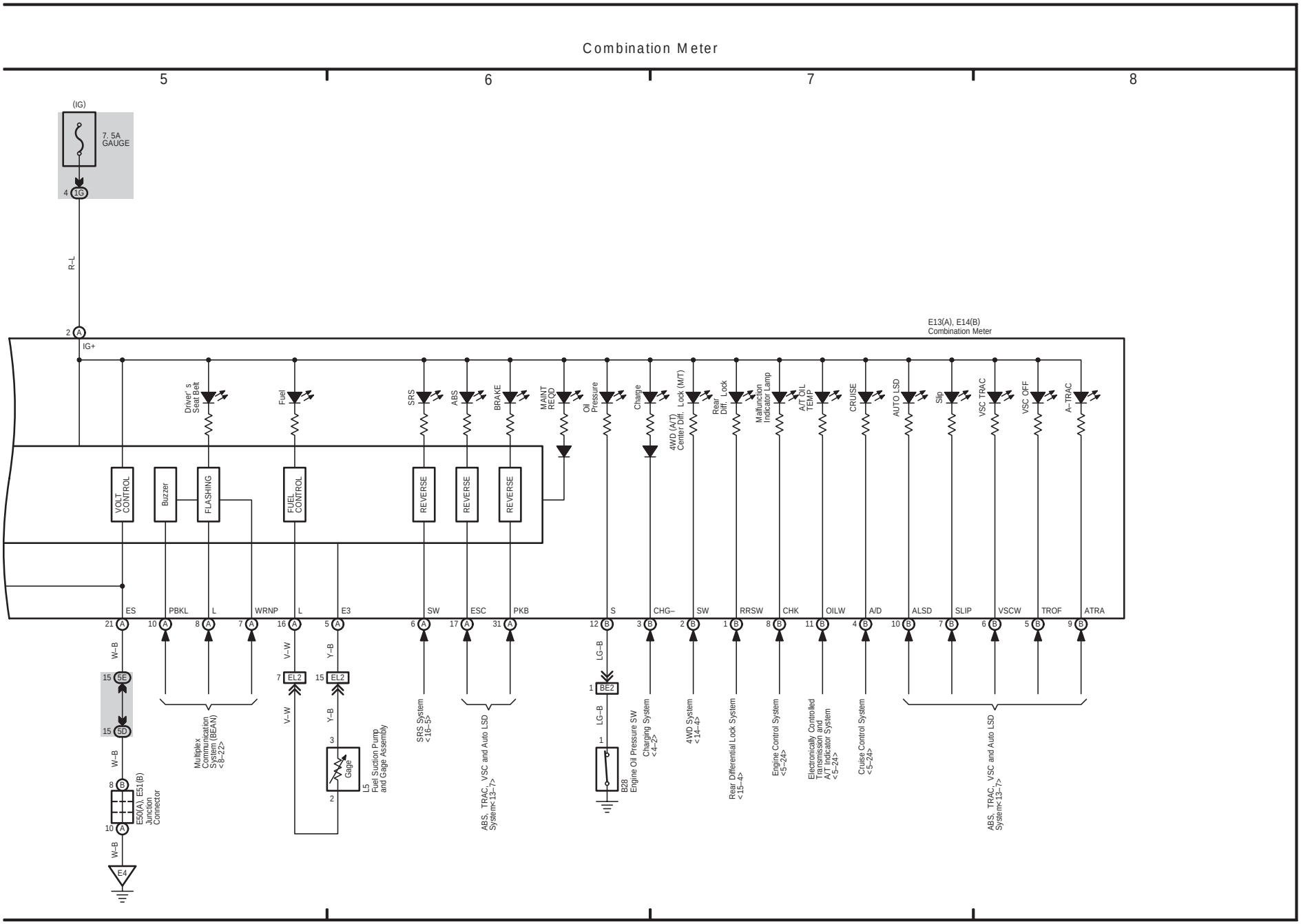
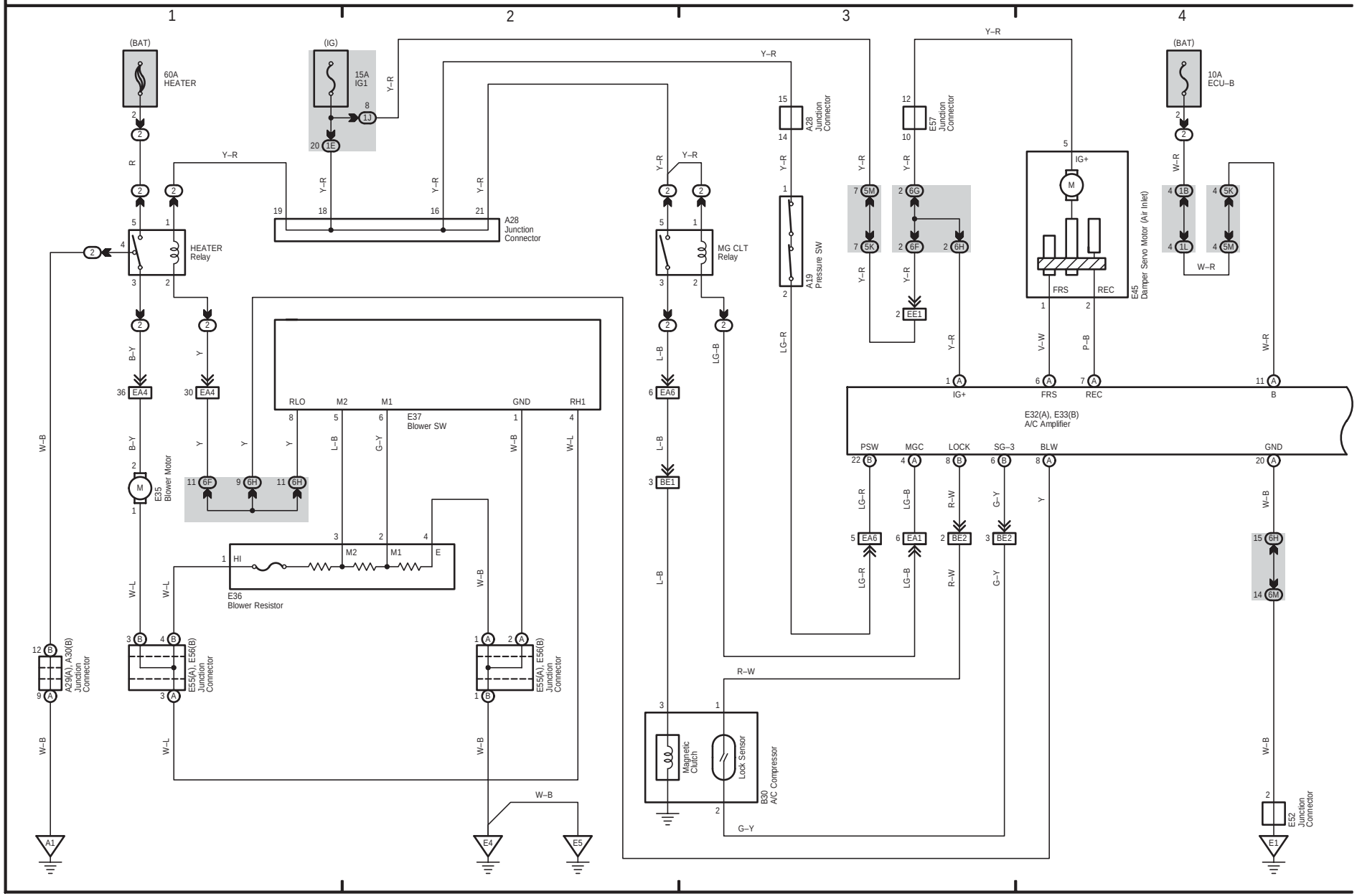
(Cont. next page)

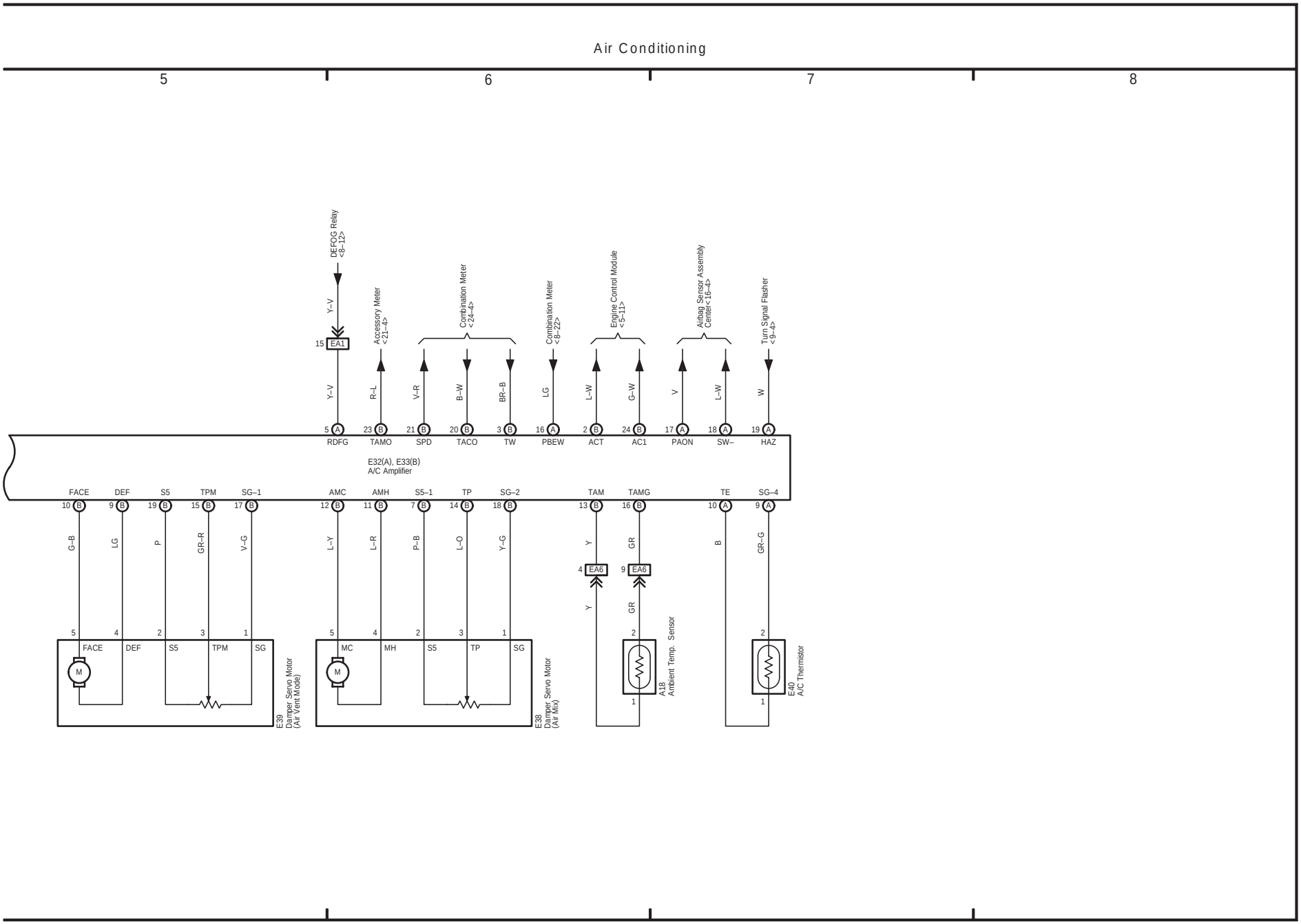
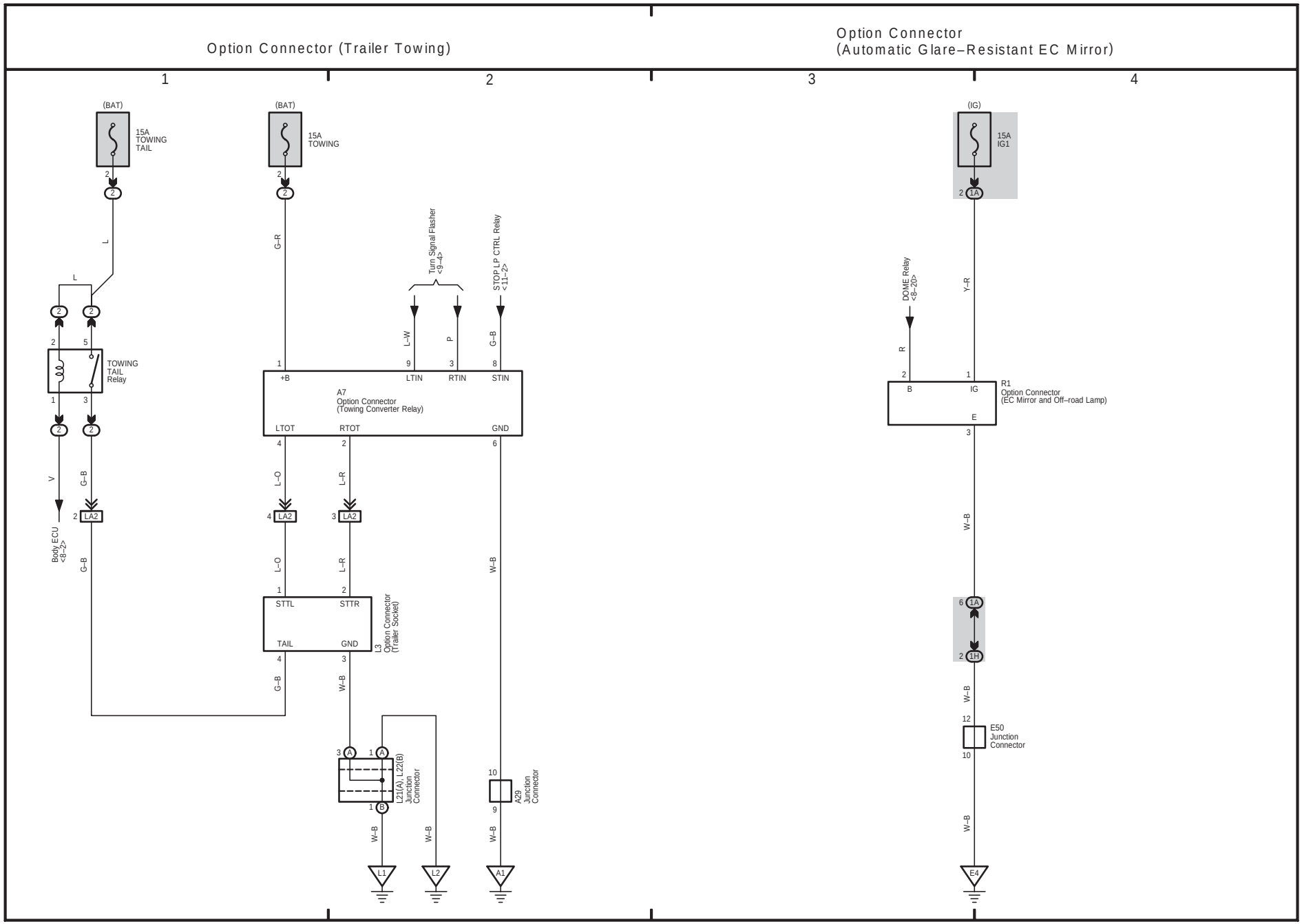



Combination Meter
5
6
7
8
(IG)
7. 5A
GAUGE
4 1G
R–L
2 A
IG+
E13(A), E14(B)
Combination Meter
Driver' s Seat Belt
Fuel
SRS
ABS
BRAKE
MAINT REQD
Oil Pressure
Charge
4WD (A/T) Center Diff. Lock (M/T)
Rear Diff. Lock
Malfunction Indicator Lamp
A/T OIL TEMP
CRUISE
AUTO LSD
Slip
VSC TRAC
VSC OFF
A–TRAC
VOLT CONTROL
Buzzer
FLASHING
FUEL CONTROL
REVERSE
REVERSE
REVERSE
ES
PBKL
L
WRNP
L
E3
SW
ESC
PKB
S
CHG–
SW
RRSW
CHK
OILW
A/D
ALSD
SLIP
VSCW
TROF
ATRA
21 A
10 A
8 A
7 A
16 A
5 A
6 A
17 A
31 A
12 B
3 B
2 B
1 B
8 B
11 B
4 B
10 B
7 B
6 B
5 B
9 B
W–B
15 SE
15 SD
W–B
8 B
10 A
W–B
E4
E5(A), E51(B)
Junction Connector
V–W
7 EL2
V–W
Y–B
15 EL2
Y–B
3
2
Gage
L5
Fuel Suction Pump and Gage Assembly
LG–B
1 BE2
LG–B
1
B28
Engine Oil Pressure SW
Multiplex Communication System (BEAN) <8–22>
SRS System <15–5>
ABS, TRAC, VSC and Auto LSD System<13–7>
Charging System <4–2>
4WD System <14–4>
Rear Differential Lock System <15–4>
Engine Control System <5–24>
Electronically Controlled Transmission and A/T Indicator System <5–24>
Cruise Control System <5–24>
ABS, TRAC, VSC and Auto LSD System<13–7>

(Cont. next page)

Air Conditioning




Air Conditioning
5
6
7
8
DEFOG Relay <8–12>
Y–V
15 EA1
Accessory Meter <21–4>
R–L
Combination Meter <24–4>
V–R
B–W
BR–B
Combination Meter <8–22>
LG
Engine Control Module <5–11>
L–W
G–W
Airbag Sensor Assembly Center<16–4>
V
L–W
Turn Signal Flasher <9–4>
W
5 A RDFG
23 B TAMO
21 B SPD
20 B TACO
3 B TW
16 A PBEW
2 B ACT
24 B AC1
17 A PAON
18 A SW–
19 A HAZ
E32(A), E33(B)
A/C Amplifier
FACE 10 B
DEF 9 B
S5 19 B
TPM 15 B
SG–1 17 B
AMC 12 B
AMH 11 B
S5–1 7 B
TP 14 B
SG–2 18 B
TAM 13 B
TAMG 16 B
TE 10 A
SG–4 9 A
G–B
LG
P
GR–R
V–G
L–Y
L–R
P–B
L–O
Y–G
Y
GR
B
GR–G
4 EA6
9 EA6
5 4 2 3 1
FACE DEF S5 TPM SG
M
E39
Damper Servo Motor
(Air Vent Mode)
5 4 2 3 1
MC MH S5 TP SG
M
E38
Damper Servo Motor
(Air Mix)
2
1
A18
Ambient Temp. Sensor
2
1
E40
A/C Thermistor

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