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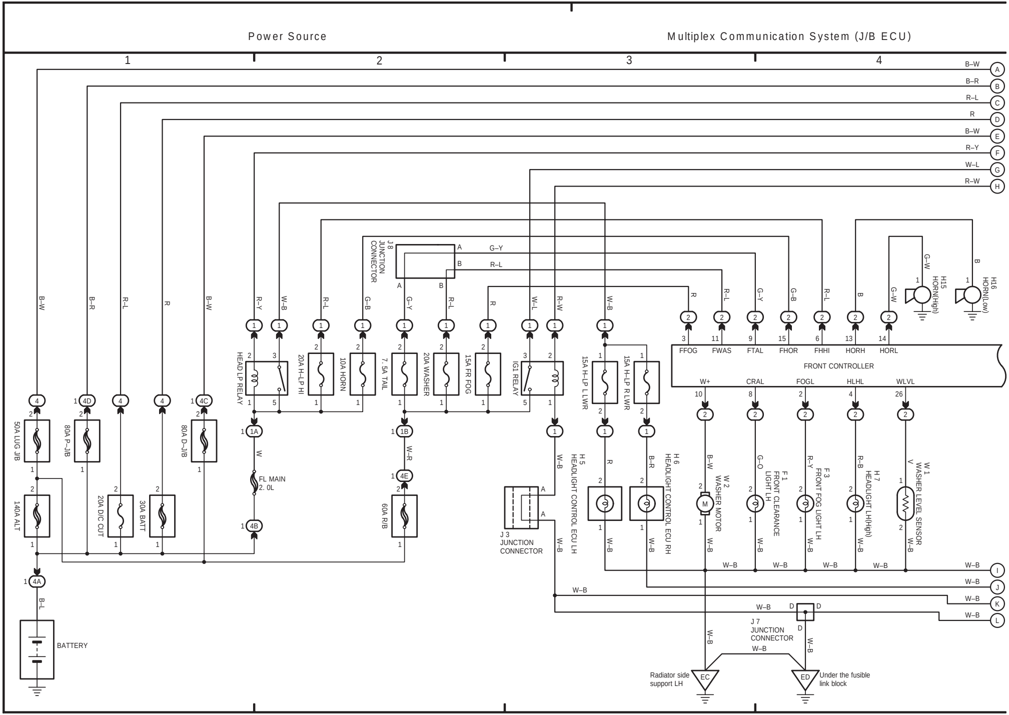
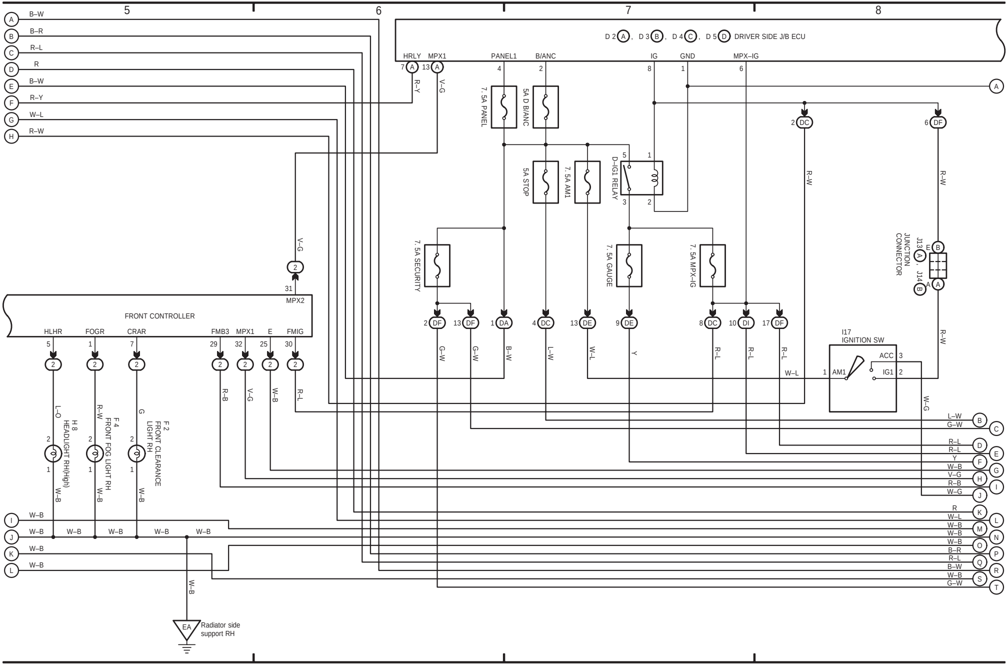
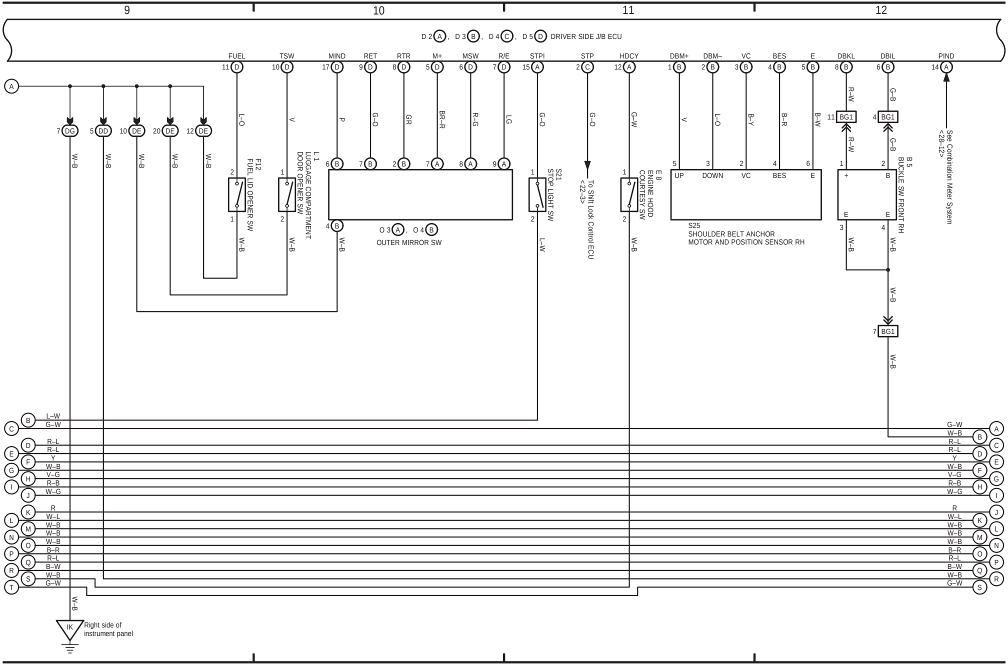

Power Source
Multiplex Communication System (J/B ECU)
1
2
3
4
B–W A
B–R B
R–L C
R D
B–W E
R–Y F
W–L G
R–W H
50A LUG J/B
80A P–J/B
80A D–J/B
140A ALT
20A D/C CUT
30A BATT
4A
B–L
BATTERY
4D
4C
HEAD LP RELAY
20A H–LP HI
10A HORN
7. 5A TAIL
20A WASHER
15A FR FOG
IG1 RELAY
1A
W
FL MAIN
2. 0L
1B
W–R
4E
60A R/B
4B
J 8
JUNCTION
CONNECTOR
A G–Y
B R–L
J 3
JUNCTION
CONNECTOR
15A H–LP L LWR
15A H–LP R LWR
H 5
HEADLIGHT CONTROL ECU LH
H 6
HEADLIGHT CONTROL ECU RH
FFOG
FWAS
FTAL
FHOR
FHHI
HORH
HORL
FRONT CONTROLLER
W+
CRAL
FOGL
HLHL
WLVL
H15
HORN(High)
H16
HORN(Low)
W 2
WASHER MOTOR
M
F 1
FRONT CLEARANCE
LIGHT LH
F 3
FRONT FOG LIGHT LH
H 7
HEADLIGHT LH(High)
W 1
WASHER LEVEL SENSOR
W–B I
W–B J
W–B K
W–B L
J 7
JUNCTION
CONNECTOR
EC
Radiator side
support LH
ED
Under the fusible
link block

Multiplex Communication System (J/B ECU)

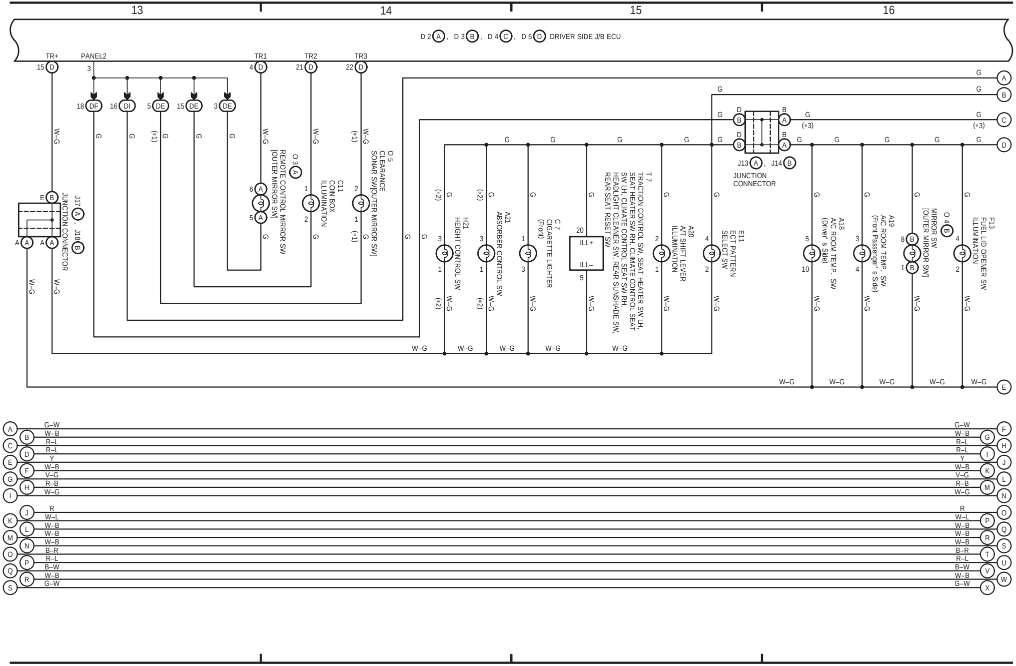

5
6
7
8
A B–W
B B–R
C R–L
D R
E B–W
F R–Y
G W–L
H R–W
D 2 A , D 3 B , D 4 C , D 5 D DRIVER SIDE J/B ECU
HRLY
MPX1
PANEL1
B/ANC
IG
GND
MPX–IG
7 A
13 A
R–Y
V–G
7. 5A PANEL
5A D B/ANC
5A STOP
7. 5A AM1
D–IG1 RELAY
7. 5A SECURITY
7. 5A GAUGE
7. 5A MPX–IG
2 DC
6 DF
R–W
J13 A , J14 B
JUNCTION CONNECTOR
E B
A A
2 DF
13 DF
1 DA
4 DC
13 DE
9 DE
8 DC
10 DI
17 DF
G–W
B–W
L–W
W–L
Y
R–L
I17
IGNITION SW
ACC 3
1 AM1
IG1 2
W–G
V–G
MPX2
31
FRONT CONTROLLER
HLHR
FOGR
CRAR
FMB3
MPX1
E
FMIG
R–B
W–B
L–O
G
H 8
HEADLIGHT RH(High)
F 4
FRONT FOG LIGHT RH
F 2
FRONT CLEARANCE LIGHT RH
I W–B
J W–B
K W–B
L W–B
EA
Radiator side support RH
L–W B
G–W C
R–L D
R–L E
Y F
W–B G
V–G H
R–B I
W–G J
R K
W–L L
W–B M
W–B N
W–B O
B–R P
R–L Q
B–W R
W–B S
G–W T

Multiplex Communication System (J/B ECU)


9
10
11
12
D 2 (A), D 3 (B), D 4 (C), D 5 (D) DRIVER SIDE J/B ECU
FUEL 11 (D)
TSW 10 (D)
MIND 17 (D)
RET 9 (D)
RTR 8 (D)
M+ 5 (D)
MSW 6 (D)
R/E 7 (D)
STPI 15 (A)
STP 2 (C)
HDCY 12 (A)
DBM+ 1 (B)
DBM– 2 (B)
VC 3 (B)
BES 4 (B)
E 5 (B)
DBKL 8 (B)
DBIL 6 (B)
PIND 14 (A)
A
7 DG
5 DD
10 DE
20 DE
12 DE
W–B
L–O
V
P
G–O
GR
BR–R
R–G
LG
G–O
G–O
G–W
V
L–O
B–Y
B–R
B–W
R–W
G–B
11 BG1
4 BG1
F12
FUEL LID OPENER SW
L 1
LUGGAGE COMPARTMENT DOOR OPENER SW
6 (B) 7 (B) 2 (B) 7 (A) 8 (A) 9 (A)
4 (B)
O 3 (A), O 4 (B)
OUTER MIRROR SW
S21
STOP LIGHT SW
To Shift Lock Control ECU <22–3>
E 8
ENGINE HOOD COURTESY SW
UP DOWN VC BES E
S25
SHOULDER BELT ANCHOR MOTOR AND POSITION SENSOR RH
+ B E E
B 5
BUCKLE SW FRONT RH
See Combination Meter System <28–12>
7 BG1
L–W
B L–W
C G–W
D R–L
E R–L
F Y
G W–B
H V–G
I R–B
J W–G
K R
L W–L
M W–B
N W–B
O W–B
P B–R
Q R–L
R B–W
S W–B
T G–W
G–W A
W–B B
R–L C
R–L D
Y E
W–B F
V–G G
R–B H
W–G I
R J
W–L K
W–B L
W–B M
W–B N
B–R O
R–L P
B–W Q
W–B R
G–W S
IK
Right side of instrument panel

Multiplex Communication System (J/B ECU)

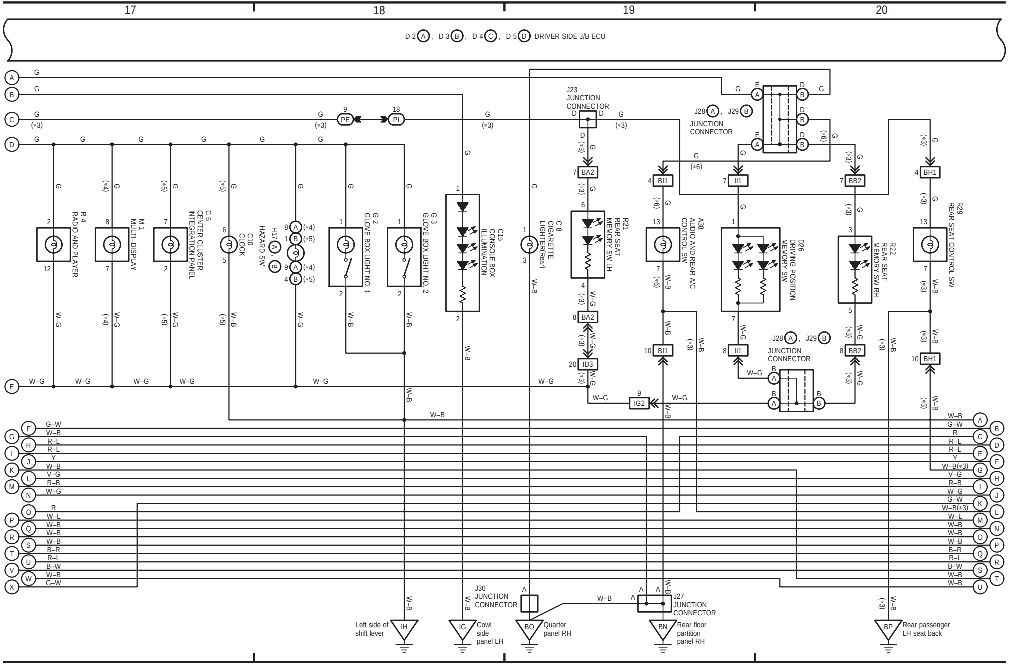
* 1 : w/ LEXUS Park Assist(Clearance Sonar)
* 2 : w/ Electronic Modulated Air Suspension
* 3 : w/ Rear Power Seat


13
14
15
16
D 2 A , D 3 B , D 4 C , D 5 D DRIVER SIDE J/B ECU
TR+
PANEL2
TR1
TR2
TR3
15 D
3
4 D
21 D
22 D
18 DF
16 DI
5 DE
15 DE
3 DE
W–G
G
(*1)
O 3 A
REMOTE CONTROL MIRROR SW [OUTER MIRROR SW]
C11 CON BOX ILLUMINATION
O 5 CLEARANCE SONAR SW[OUTER MIRROR SW]
J17 A , J18 B JUNCTION CONNECTOR
E B
A A
(*2)
H21 HEIGHT CONTROL SW
A21 ABSORBER CONTROL SW
C 7 CIGARETTE LIGHTER (Front)
ILL+
ILL–
T 7 TRACTION CONTROL SW, SEAT HEATER SW LH, SEAT HEATER SW RH, CLIMATE CONTROL SEAT SW LH, CLIMATE CONTROL SEAT SW RH, HEADLIGHT CLEANER SW, REAR SUNSHADE SW, REAR SEAT RESET SW
A20 A/T SHIFT LEVER ILLUMINATION
E11 ECT PATTERN SELECT SW
J13 A , J14 B JUNCTION CONNECTOR
(*3)
A18 A/C ROOM TEMP. SW (Driver' s Side)
A19 A/C ROOM TEMP. SW (Front Passenger' s Side)
O 4 B MIRROR SW [OUTER MIRROR SW]
F13 FUEL LID OPENER SW ILLUMINATION
A
B
C
D
E
G–W
W–B
R–L
Y
V–G
R–B
R
W–L
B–R
B–W
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X

(Cont. next page)

＊3 : w/ Rear Power Seat
＊4 : w/ LEXUS Navigation System
＊5 : w/o LEXUS Navigation System
＊6 : w/o Rear Power Seat

Multiplex Communication System (J/B ECU)

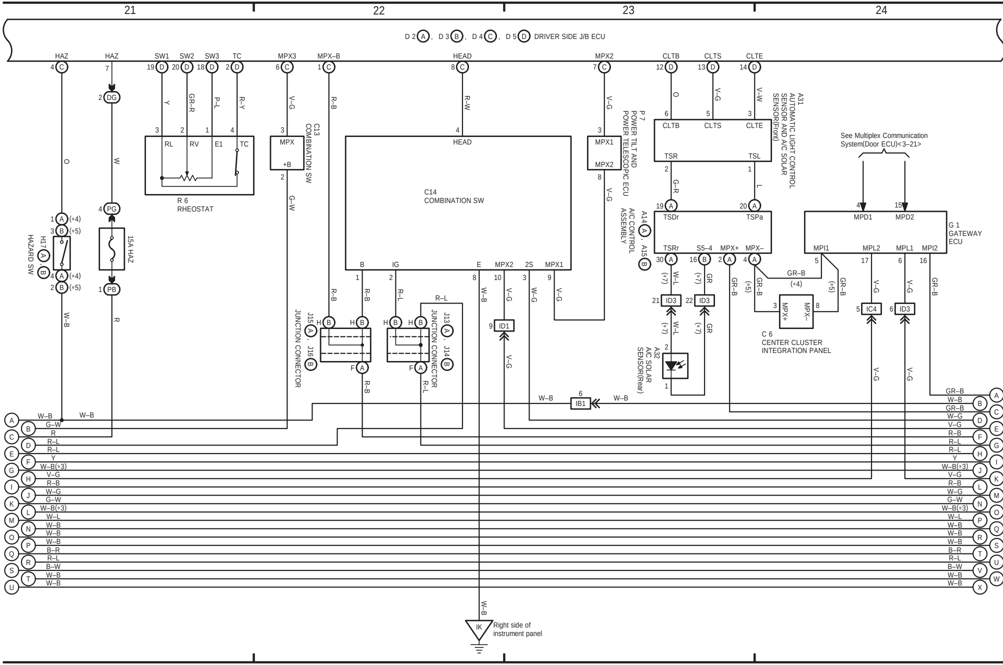

17
18
19
20
D 2 A, D 3 B, D 4 C, D 5 D DRIVER SIDE J/B ECU
R 4 RADIO AND PLAYER
M 1 MULTI-DISPLAY
C 6 CENTER CLUSTER INTEGRATION PANEL
C10 CLOCK
H17 A, B HAZARD SW
G 2 GLOVE BOX LIGHT NO. 1
G 3 GLOVE BOX LIGHT NO. 2
C15 CONSOLE BOX ILLUMINATION
C 8 CIGARETTE LIGHTER(Rear)
J23 JUNCTION CONNECTOR
R21 REAR SEAT MEMORY SW LH
A38 AUDIO AND REAR A/C CONTROL SW
J28 A, J29 B JUNCTION CONNECTOR
D26 DRIVING POSITION MEMORY SW
R22 REAR SEAT MEMORY SW RH
R29 REAR SEAT CONTROL SW
PE
PI
BA2
ID3
IG2
BI1
II1
BB2
BH1
J30 JUNCTION CONNECTOR
J27 JUNCTION CONNECTOR
IH Left side of shift lever
IG Cowl side panel LH
BO Quarter panel RH
BN Rear floor partition panel RH
BP Rear passenger LH seat back
G
W–G
W–B
G–W
R–L
Y
V–G
R–B
R
W–L
B–R
B–W
(＊3)
(＊4)
(＊5)
(＊6)

2 LS 430 (RHD) (Cont' d)

(Cont. next page)

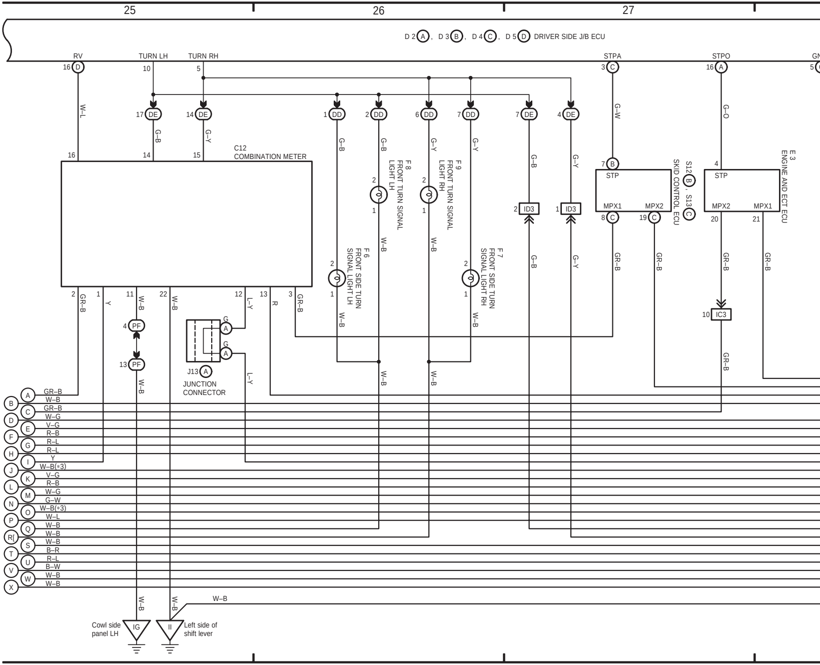
∗ 3 : w/ Rear Power Seat
∗ 4 : w/ LEXUS Navigation System
∗ 5 : w/o LEXUS Navigation System
∗ 7 : w/ Rear Cooler

Multiplex Communication System (J/B ECU)


21
22
23
24
D 2 A , D 3 B , D 4 C , D 5 D DRIVER SIDE J/B ECU
HAZ
HAZ
SW1
SW2
SW3
TC
MPX3
MPX–B
HEAD
MPX2
CLTB
CLTS
CLTE
DG
PG
PB
15A HAZ
H17 A , B
HAZARD SW
R 6
RHEOSTAT
RL
RV
E1
TC
C13
COMBINATION SW
MPX
+B
C14
COMBINATION SW
HEAD
B
IG
E
MPX2
2S
MPX1
P 7
POWER TILT AND
POWER TELESCOPIC ECU
MPX1
MPX2
A31
AUTOMATIC LIGHT CONTROL
SENSOR AND A/C SOLAR
SENSOR(Front)
TSR
TSL
A14 A , A15 B
A/C CONTROL
ASSEMBLY
TSDr
TSPa
TSRr
S5–4
MPX+
MPX–
See Multiplex Communication
System(Door ECU)<3–21>
G 1
GATEWAY
ECU
MPD1
MPD2
MPI1
MPL2
MPL1
MPI2
C 6
CENTER CLUSTER
INTEGRATION PANEL
A32
A/C SOLAR
SENSOR(Rear)
J15 A , J16 B
JUNCTION CONNECTOR
J13 A , J14 B
JUNCTION CONNECTOR
ID1
ID3
IC4
IB1
IK
Right side of
instrument panel
(∗4)
(∗5)
(∗7)
O
W
Y
GR–R
P–L
R–Y
V–G
R–B
R–W
V–W
G–R
L
G–W
W–B
R
R–L
W–G
W–L
GR
GR–B
B–R
B–W

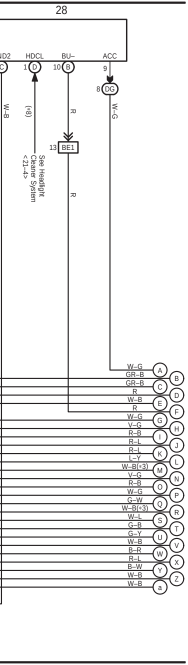
2 LS 430 (RHD) (Cont' d)

Multiplex Communication System (J/B ECU)


25
26
27
D 2 (A), D 3 (B), D 4 (C), D 5 (D) DRIVER SIDE J/B ECU
RV
TURN LH
TURN RH
STPA
STPO
16 (D)
10
5
3 (C)
16 (A)
W–L
17 (DE)
14 (DE)
1 (DD)
2 (DD)
6 (DD)
7 (DD)
7 (DE)
4 (DE)
G–B
G–Y
G–W
G–O
C12
COMBINATION METER
16
14
15
F8
FRONT TURN SIGNAL LIGHT LH
F9
FRONT TURN SIGNAL LIGHT RH
F6
FRONT SIDE TURN SIGNAL LIGHT LH
F7
FRONT SIDE TURN SIGNAL LIGHT RH
W–B
2 ID3
1 ID3
7 (B)
STP
MPX1
MPX2
8 (C)
19 (C)
S12 (B), S13 (C)
SKID CONTROL ECU
4
STP
MPX2
MPX1
20
21
E 3
ENGINE AND ECT ECU
GR–B
10 IC3
2
1
11
22
12
13
3
Y
L–Y
R
4 PF
13 PF
G
A
J13 (A)
JUNCTION CONNECTOR
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
GR–B
W–B
GR–B
W–G
V–G
R–B
R–L
R–L
Y
W–B(∗3)
V–G
R–B
W–G
G–W
W–B(∗3)
W–L
W–B
W–B
W–B
B–R
R–L
B–W
W–B
W–B
IG
Cowl side panel LH
II
Left side of shift lever

(Cont. next page)

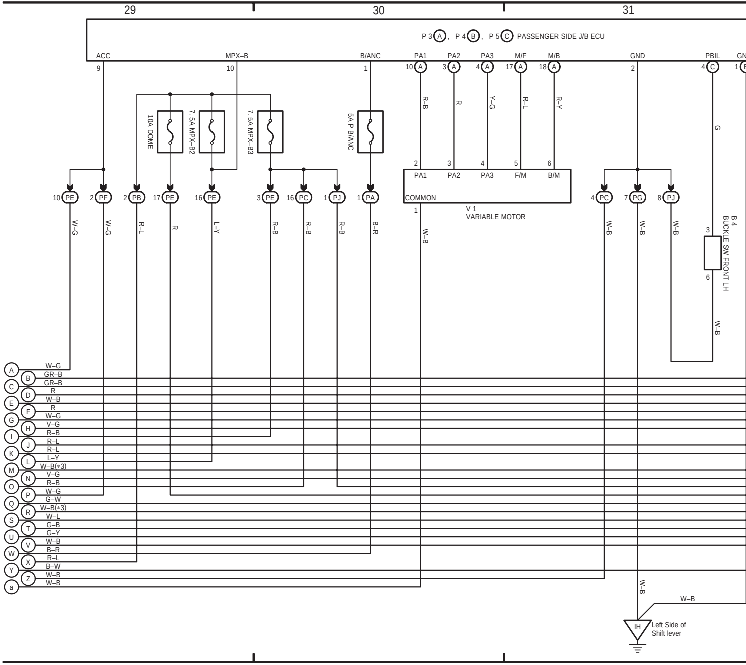
∗ 3 : w/ Rear Power Seat
∗ 8 : w/ Headlight Cleaner


28
ND2
HDCL
BU–
ACC
C
1 D
10 B
9
8 DG
W–B
(∗8)
R
W–G
See Headlight Cleaner System <21–4>
13 BE1
R
W–G A
GR–B B
GR–B C
R D
W–B E
R F
W–G G
V–G H
R–B I
R–L J
R–L K
L–Y L
W–B(∗3) M
V–G N
R–B O
W–G P
G–W Q
W–B(∗3) R
W–L S
G–B T
G–Y U
W–B V
B–R W
R–L X
B–W Y
W–B Z
W–B a

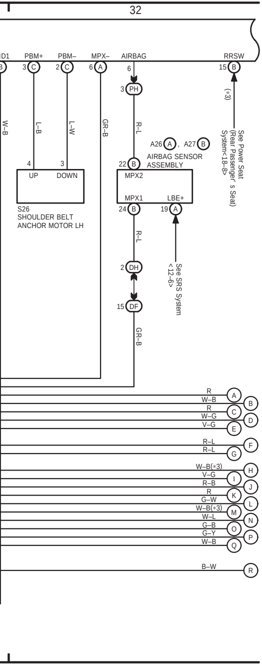
OVERALL ELECTRICAL WIRING DIAGRAM

2 LS 430 (RHD) (Cont' d)

Multiplex Communication System (J/B ECU)

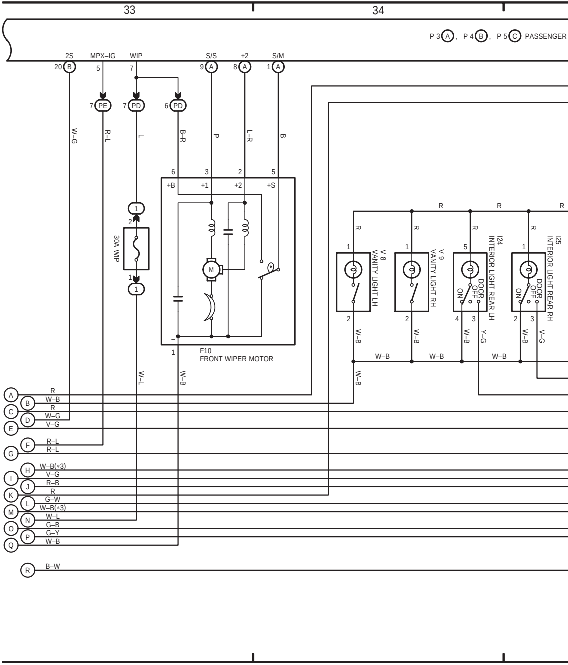

29
30
31
P 3 A , P 4 B , P 5 C PASSENGER SIDE J/B ECU
ACC
MPX–B
B/ANC
PA1
PA2
PA3
M/F
M/B
GND
PBIL
GN
9
10
1
10 A
3 A
4 A
17 A
18 A
2
4 C
1
10A DOME
7. 5A MPX–B2
7. 5A MPX–B3
5A P B/ANC
R–B
R
Y–G
R–L
R–Y
G
2
3
4
5
6
PA1
PA2
PA3
F/M
B/M
COMMON
1
V 1
VARIABLE MOTOR
10 PE
2 PF
2 PB
17 PE
16 PE
3 PE
16 PC
1 PJ
1 PA
4 PC
7 PG
8 PJ
W–G
W–G
R–L
R
L–Y
R–B
R–B
R–B
B–R
W–B
W–B
W–B
W–B
3
6
B 4
BUCKLE SW FRONT LH
W–B
A W–G
B GR–B
C GR–B
D R
E W–B
F R
G W–G
H V–G
I R–B
J R–L
K R–L
L L–Y
M W–B(∗3)
N V–G
O R–B
P W–G
Q G–W
R W–B(∗3)
S W–L
T G–B
U G–Y
V W–B
W B–R
X R–L
Y B–W
Z W–B
a W–B
W–B
W–B
IH
Left Side of Shift lever

∗3 : w/ Rear Power Seat

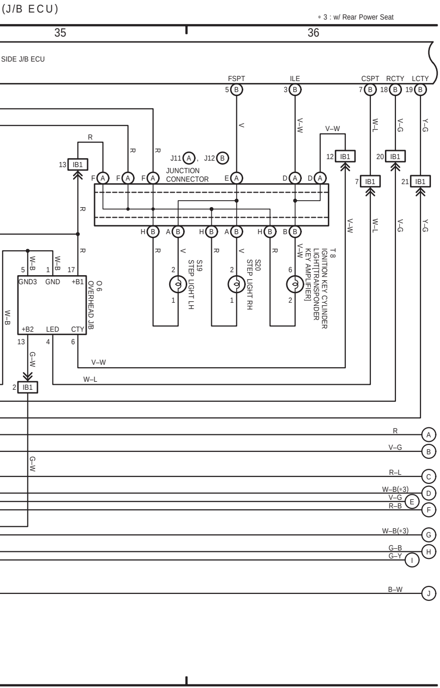

32
ID1
PBM+
PBM–
MPX–
AIRBAG
RRSW
3 C
2 C
6 A
6
15 B
3 PH
W–B
L–B
L–W
GR–B
R–L
(∗3)
See Power Seat (Rear Passenger' s Seat) System<18–8>
A26 A, A27 B
AIRBAG SENSOR ASSEMBLY
4
3
UP
DOWN
S26
SHOULDER BELT ANCHOR MOTOR LH
22 B
MPX2
MPX1
LBE+
24 B
19 A
R–L
See SRS System <12–6>
2 DH
15 DF
GR–B
R
W–B
R
W–G
V–G
R–L
R–L
W–B(∗3)
V–G
R–B
R
G–W
W–B(∗3)
W–L
G–B
G–Y
W–B
B–W
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R

OVERALL ELECTRICAL WIRING DIAGRAM

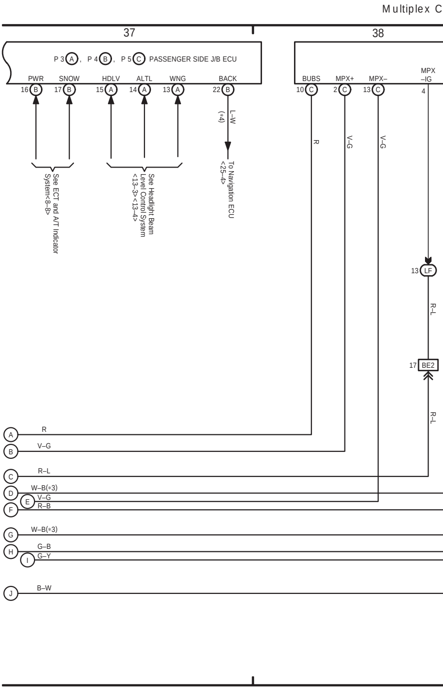
Multiplex Communication System


33
34
P 3 A, P 4 B, P 5 C PASSENGER
2S
MPX–IG
WIP
S/S
+2
S/M
20 B
5
7
9 A
8 A
1 A
7 PE
7 PD
6 PD
W–G
R–L
L
B–R
P
L–R
B
6
3
2
5
+B
+1
+2
+S
M
1
2
30A WIP
1
1
–
1
F10
FRONT WIPER MOTOR
W–L
W–B
R
R
R
R
R
R
R
1
1
5
1
V 8
VANITY LIGHT LH
V 9
VANITY LIGHT RH
I24
INTERIOR LIGHT REAR LH
I25
INTERIOR LIGHT REAR RH
DOOR
OFF
ON
2
2
4
3
2
3
W–B
W–B
W–B
Y–G
W–B
V–G
W–B
W–B
W–B
W–B
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
R
W–B
R
W–G
V–G
R–L
R–L
W–B(∗3)
V–G
R–B
R
G–W
W–B(∗3)
W–L
G–B
G–Y
W–B
B–W

(Cont. next page)

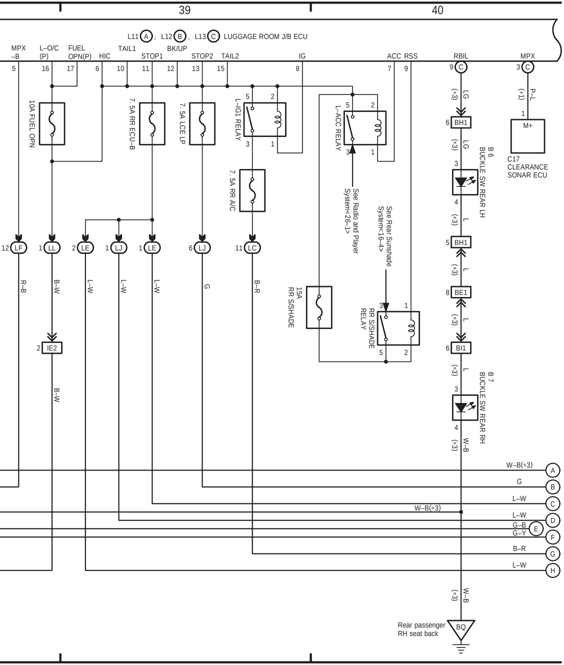

(J/B ECU)
∗ 3 : w/ Rear Power Seat
35
36
SIDE J/B ECU
FSPT
ILE
CSPT
RCTY
LCTY
5 B
3 B
7 B
18 B
19 B
V
V–W
W–L
V–G
Y–G
R
J11 A, J12 B
JUNCTION CONNECTOR
13 IB1
12 IB1
20 IB1
7 IB1
21 IB1
F A
E A
D A
H B
A B
B B
S19 STEP LIGHT LH
S20 STEP LIGHT RH
T8 IGNITION KEY CYLINDER LIGHT[TRANSPONDER KEY AMPLIFIER]
O 6 OVERHEAD J/B
GND3
GND
+B1
+B2
LED
CTY
W–B
G–W
2 IB1
R
V–G
R–L
W–B(∗3)
V–G
R–B
W–B(∗3)
G–B
G–Y
B–W
A
B
C
D
E
F
G
H
I
J

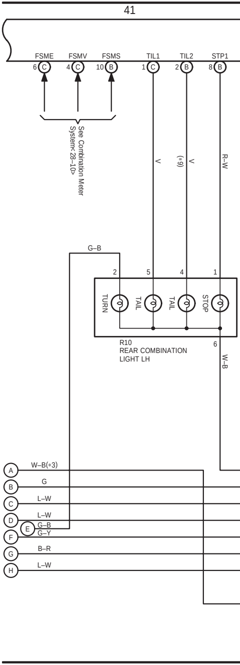
2 LS 430 (RHD) (Cont' d)


Multiplex C
37
38
P 3 A, P 4 B, P 5 C PASSENGER SIDE J/B ECU
PWR
SNOW
HDLV
ALTL
WNG
BACK
16 B
17 B
15 A
14 A
13 A
22 B
BUBS
MPX+
MPX–
MPX –IG
10 C
2 C
13 C
4
L–W
(∗4)
See ECT and A/T Indicator System<8–8>
See Headlight Beam Level Control System <13–3><13–4>
To Navigation ECU <25–4>
R
V–G
13 LF
R–L
17 BE2
A
B
C
D
E
F
G
H
I
J
R
V–G
R–L
W–B(∗3)
V–G
R–B
W–B(∗3)
G–B
G–Y
B–W

ommunication System (J/B ECU)

∗ 1 : w/ LEXUS Park Assist(Clearance Sonar)
∗ 3 : w/ Rear Power Seat
∗ 4 : w/ LEXUS Navigation System

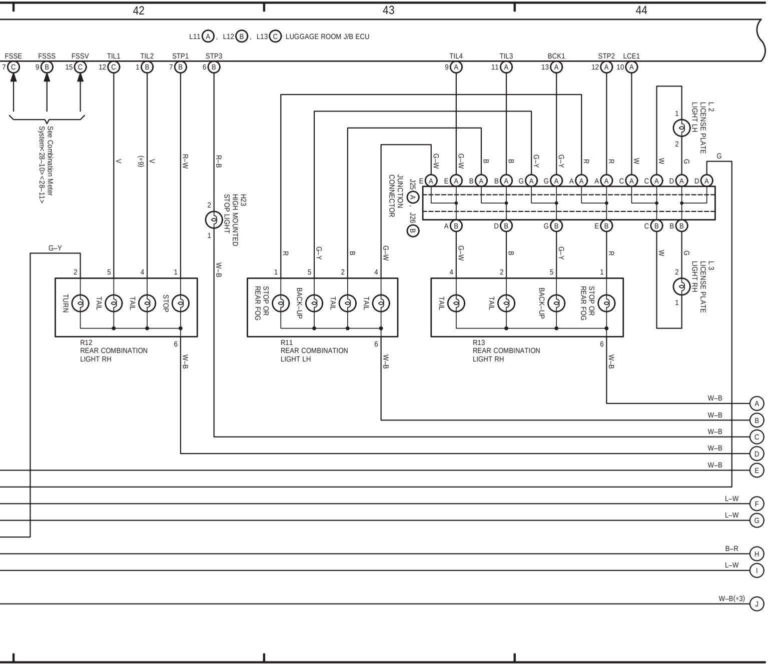

39
40
L11 (A), L12 (B), L13 (C) LUGGAGE ROOM J/B ECU
MPX –B
L–O/C (P)
FUEL OPN(P)
HIC
TAIL1
STOP1
BK/UP
STOP2
TAIL2
IG
ACC
RSS
RBIL
MPX
10A FUEL OPN
7. 5A RR ECU–B
7. 5A LCE LP
L–IG1 RELAY
L–ACC RELAY
7. 5A RR A/C
See Radio and Player System<26–1>
See Rear Sunshade System<16–4>
15A RR S/SHADE
RR S/SHADE RELAY
B 6 BUCKLE SW REAR LH
B 7 BUCKLE SW REAR RH
C17 CLEARANCE SONAR ECU
M+
BH1
BE1
BI1
IE2
LF
LL
LE
LJ
LC
R–B
B–W
L–W
G
B–R
LG
P–L
L
W–B
(∗3)
(∗1)
W–B(∗3)
G–B
G–Y
A
B
C
D
E
F
G
H
BQ
Rear passenger RH seat back


41
FSME
FSMV
FSMS
TIL1
TIL2
STP1
See Combination Meter System<28–10>
V
(∗9)
R–W
G–B
TURN
TAIL
TAIL
STOP
R10 REAR COMBINATION LIGHT LH
W–B
W–B(∗3)
G
L–W
G–B
G–Y
B–R
A
B
C
D
E
F
G
H

(Cont. next page)

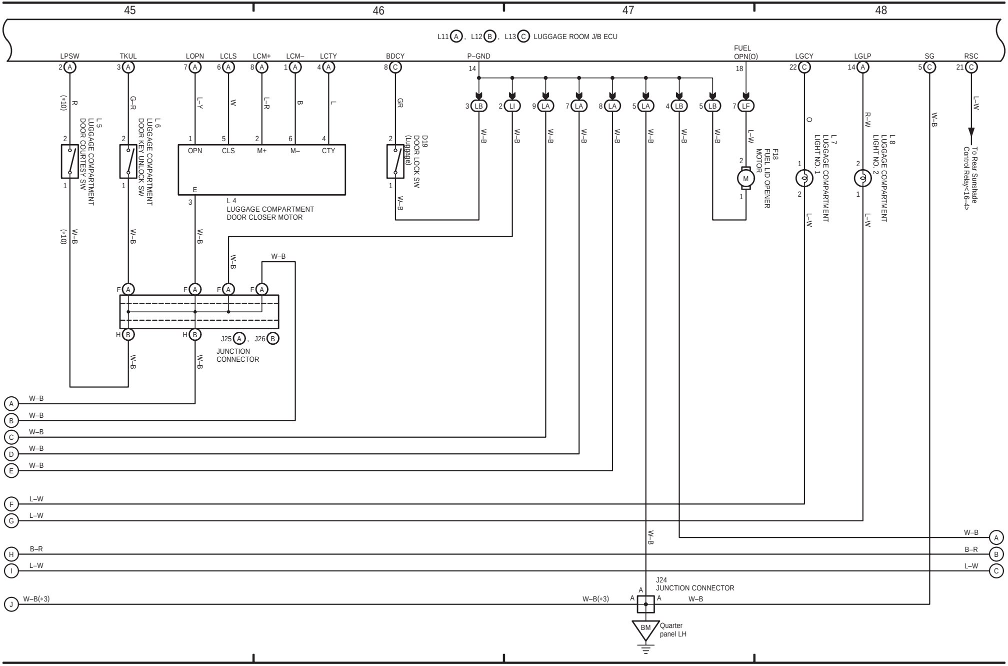
Multiplex Communication System (J/B ECU)

∗ 3 : w/ Rear Power Seat
∗ 9 : w/o Electronic Modulated Air Suspension


42
43
44
L11 (A), L12 (B), L13 (C) LUGGAGE ROOM J/B ECU
FSSE
FSSS
FSSV
TIL1
TIL2
STP1
STP3
TIL4
TIL3
BCK1
STP2
LCE1
7 (C)
9 (B)
15 (C)
12 (C)
1 (B)
7 (B)
6 (B)
9 (A)
11 (A)
13 (A)
12 (A)
10 (A)
See Combination Meter System<28–10> <28–11>
V
V (∗9)
R–W
R–B
H23 HIGH MOUNTED STOP LIGHT
W–B
G–Y
R12 REAR COMBINATION LIGHT RH
TURN
TAIL
TAIL
STOP
R11 REAR COMBINATION LIGHT LH
STOP OR REAR FOG
BACK–UP
TAIL
TAIL
R13 REAR COMBINATION LIGHT RH
TAIL
TAIL
BACK–UP
STOP OR REAR FOG
J25 (A), J26 (B) JUNCTION CONNECTOR
G–W
B
G–Y
R
W
G
L2 LICENSE PLATE LIGHT LH
L3 LICENSE PLATE LIGHT RH
W–B
L–W
B–R
W–B(∗3)
A
B
C
D
E
F
G
H
I
J

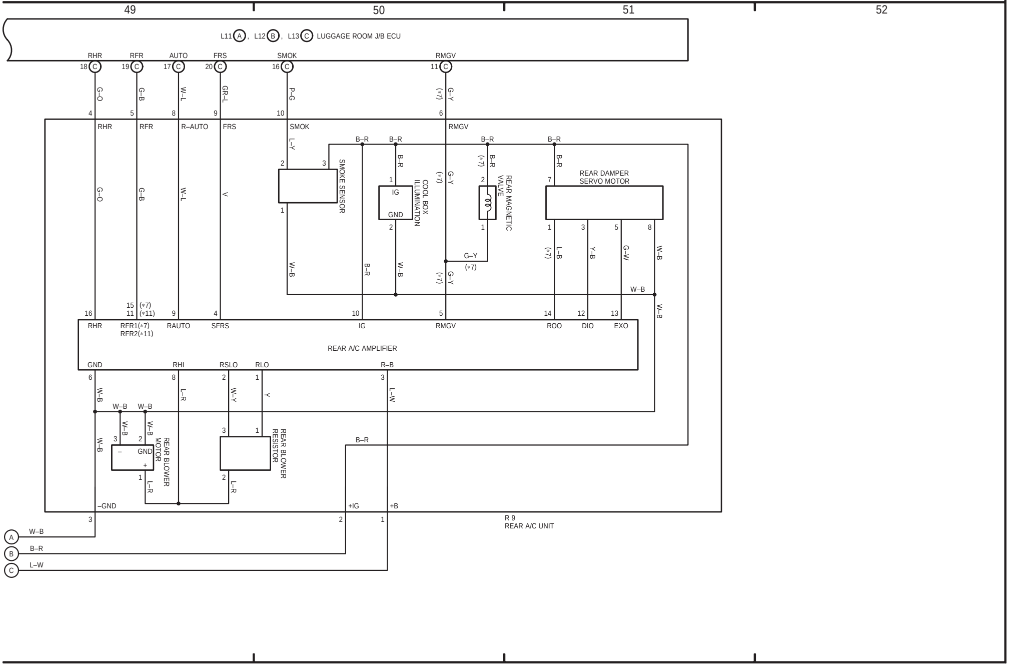
Multiplex Communication System (J/B ECU)

∗ 3 : w/ Rear Power Seat
∗10 : w/ Smart Key System


45
46
47
48
L11 A , L12 B , L13 C LUGGAGE ROOM J/B ECU
LPSW
TKUL
LOPN
LCLS
LCM+
LCM–
LCTY
BDCY
P–GND
FUEL OPN(O)
LGCY
LGLP
SG
RSC
L 5 LUGGAGE COMPARTMENT DOOR COURTESY SW
L 6 LUGGAGE COMPARTMENT DOOR KEY UNLOCK SW
L 4 LUGGAGE COMPARTMENT DOOR CLOSER MOTOR
OPN
CLS
M+
M–
CTY
E
D19 DOOR LOCK SW (Luggage)
F18 FUEL LID OPENER MOTOR
M
L 7 LUGGAGE COMPARTMENT LIGHT NO. 1
L 8 LUGGAGE COMPARTMENT LIGHT NO. 2
To Rear Sunshade Control Relay<16–4>
J25 A , J26 B JUNCTION CONNECTOR
J24 JUNCTION CONNECTOR
BM
Quarter panel LH
R (∗10)
G–R
L–Y
W
L–R
B
L
GR
W–B
W–B (∗10)
L–W
O
R–W
B–R
W–B(∗3)
LB
LI
LA
LF

Multiplex Communication System (J/B ECU)

∗ 7 : w/ Rear Cooler
∗11 : w/o Rear Cooler


49
50
51
52
L11 Ⓐ, L12 Ⓑ, L13 Ⓒ LUGGAGE ROOM J/B ECU
RHR 18 Ⓒ
RFR 19 Ⓒ
AUTO 17 Ⓒ
FRS 20 Ⓒ
SMOK 16 Ⓒ
RMGV 11 Ⓒ
G–O
G–B
W–L
GR–L
P–G
(∗7) G–Y
4 RHR
5 RFR
8 R–AUTO
9 FRS
10 SMOK
6 RMGV
L–Y
B–R
SMOKE SENSOR
COOL BOX ILLUMINATION
IG
GND
(∗7) B–R
REAR MAGNETIC VALVE
REAR DAMPER SERVO MOTOR
V
W–B
G–Y (∗7)
L–B
Y–B
G–W
16 RHR
15 (∗7) 11 (∗11) RFR1(∗7) RFR2(∗11)
9 RAUTO
4 SFRS
10 IG
5 RMGV
14 ROO
12 DIO
13 EXO
REAR A/C AMPLIFIER
6 GND
8 RHI
2 RSLO
1 RLO
3 R–B
L–R
W–Y
Y
L–W
REAR BLOWER MOTOR
–
GND
+
REAR BLOWER RESISTOR
–GND
+IG
+B
3
2
1
R 9
REAR A/C UNIT
Ⓐ W–B
Ⓑ B–R
Ⓒ L–W