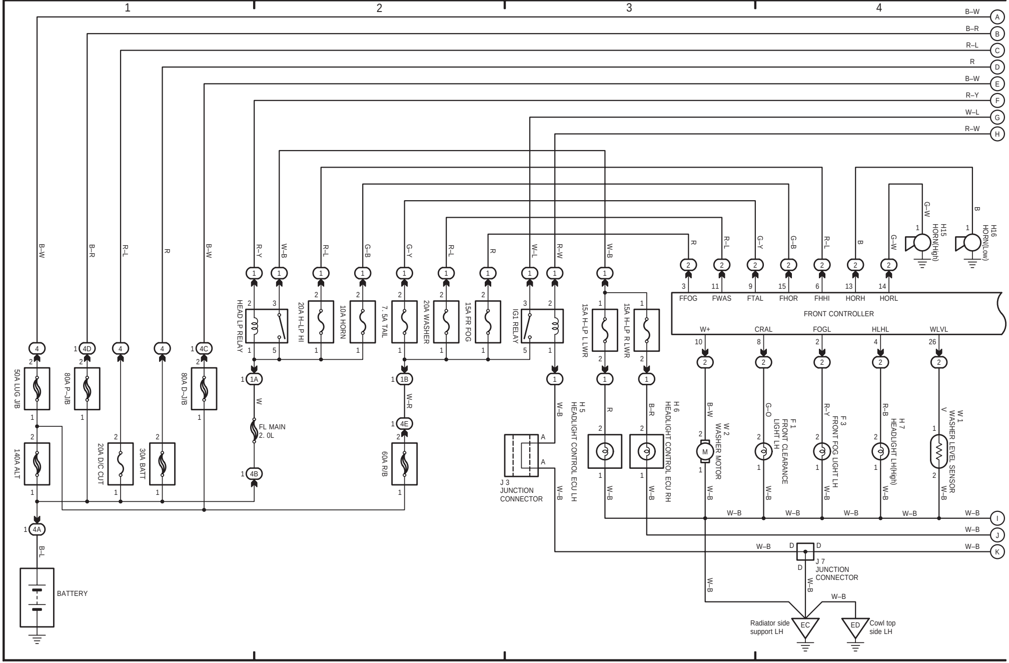
2 LS 430 (LHD)

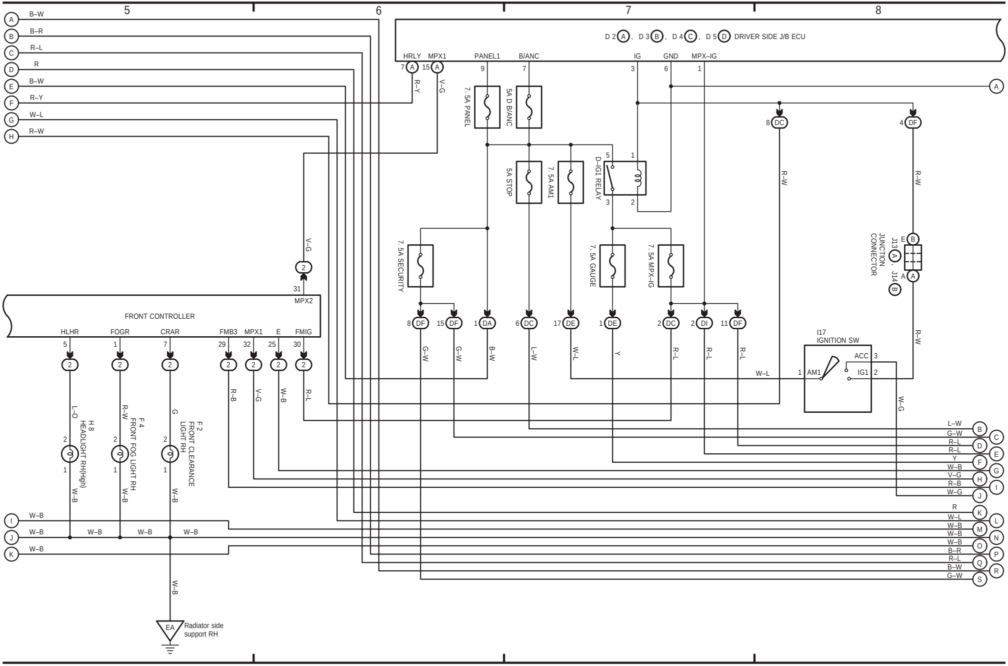
(Cont. next page)

Power Source

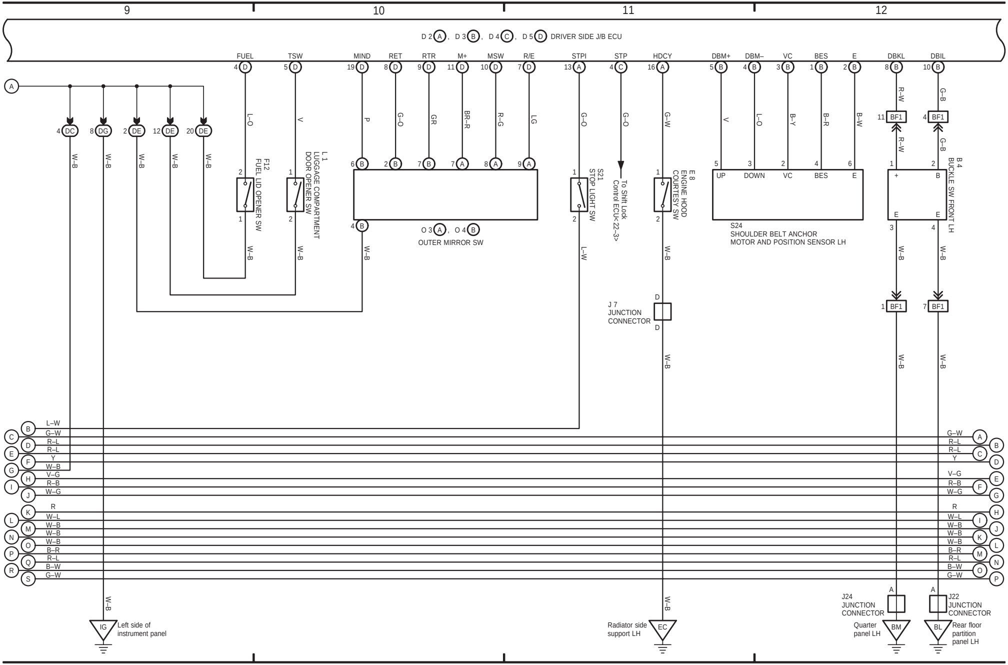
Multiplex Communication System (J/B ECU)


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

Multiplex Communication System (J/B ECU)

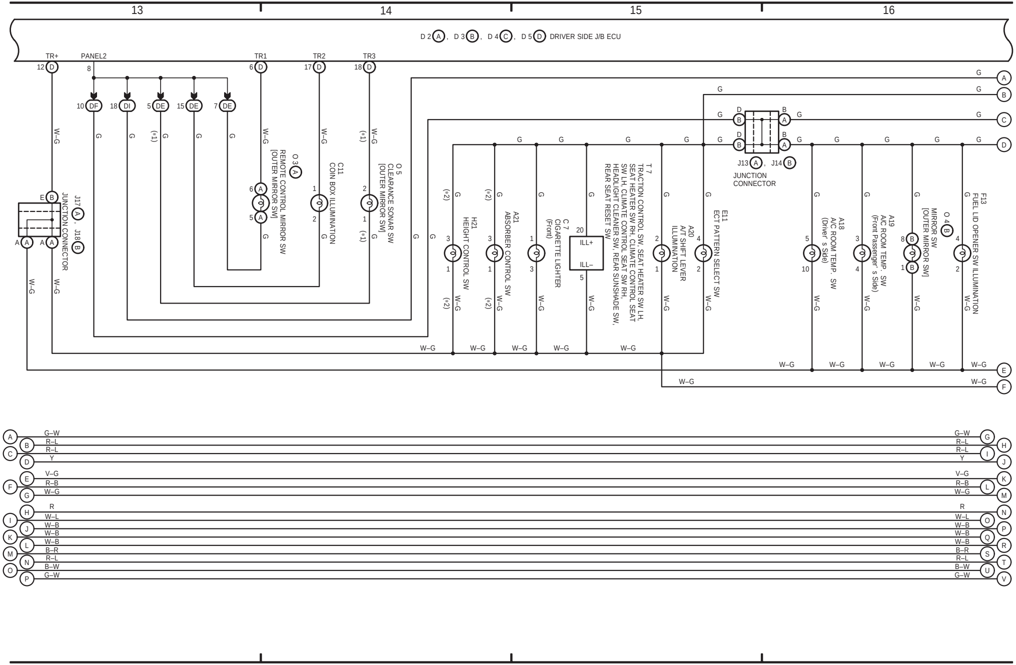

5
6
7
8
A B–W
B B–R
C R–L
D R
E B–W
F R–Y
G W–L
H R–W
D 2 (A), D 3 (B), D 4 (C), D 5 (D) DRIVER SIDE J/B ECU
HRLY
MPX1
PANEL1
B/ANC
IG
GND
MPX–IG
7 (A)
15 (A)
9
7
3
6
1
R–Y
V–G
7. 5A PANEL
5A D B/ANC
5A STOP
7. 5A AM1
D–IG1 RELAY
5
1
3
2
8 (DC)
4 (DF)
R–W
7. 5A SECURITY
7. 5A GAUGE
7. 5A MPX–IG
E (B)
J13 (A), J14 (B)
JUNCTION CONNECTOR
A (A)
V–G
2
31
MPX2
FRONT CONTROLLER
HLHR
FOGR
CRAR
FMB3
MPX1
E
FMIG
5
1
7
29
32
25
30
8 (DF)
15 (DF)
1 (DA)
6 (DC)
17 (DE)
1 (DE)
2 (DC)
2 (DI)
11 (DF)
G–W
G–W
B–W
L–W
W–L
Y
R–L
R–L
R–L
I17
IGNITION SW
ACC 3
1 AM1
IG1 2
W–L
W–G
R–B
V–G
W–B
R–L
L–O
R–W
G
H 8
HEADLIGHT RH(High)
F 4
FRONT FOG LIGHT RH
F 2
FRONT CLEARANCE LIGHT RH
W–B
I W–B
J W–B
K 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
G–W S

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
TSW
MIND
RET
RTR
M+
MSW
R/E
STPI
STP
HDCY
DBM+
DBM–
VC
BES
E
DBKL
DBIL
4 DC
8 DG
2 DE
12 DE
20 DE
W–B
L–O
V
P
G–O
GR
BR–R
R–G
LG
G–W
B–Y
B–R
R–W
G–B
11 BF1
4 BF1
F12
FUEL LID OPENER SW
L 1
LUGGAGE COMPARTMENT DOOR OPENER SW
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
S24
SHOULDER BELT ANCHOR MOTOR AND POSITION SENSOR LH
B 4
BUCKLE SW FRONT LH
+
B
E
L–W
J 7
JUNCTION CONNECTOR
1 BF1
7 BF1
G–W
R–L
Y
W–B
V–G
R–B
W–G
R
W–L
B–R
B–W
J24
JUNCTION CONNECTOR
J22
JUNCTION CONNECTOR
IG
Left side of instrument panel
EC
Radiator side support LH
BM
Quarter panel LH
BL
Rear floor partition panel LH

Multiplex Communication System (J/B ECU)

∗ 1 : w/ LEXUS Park Assist(Clearance Sonar)
∗ 2 : w/ Electronic Modulated Air Suspension

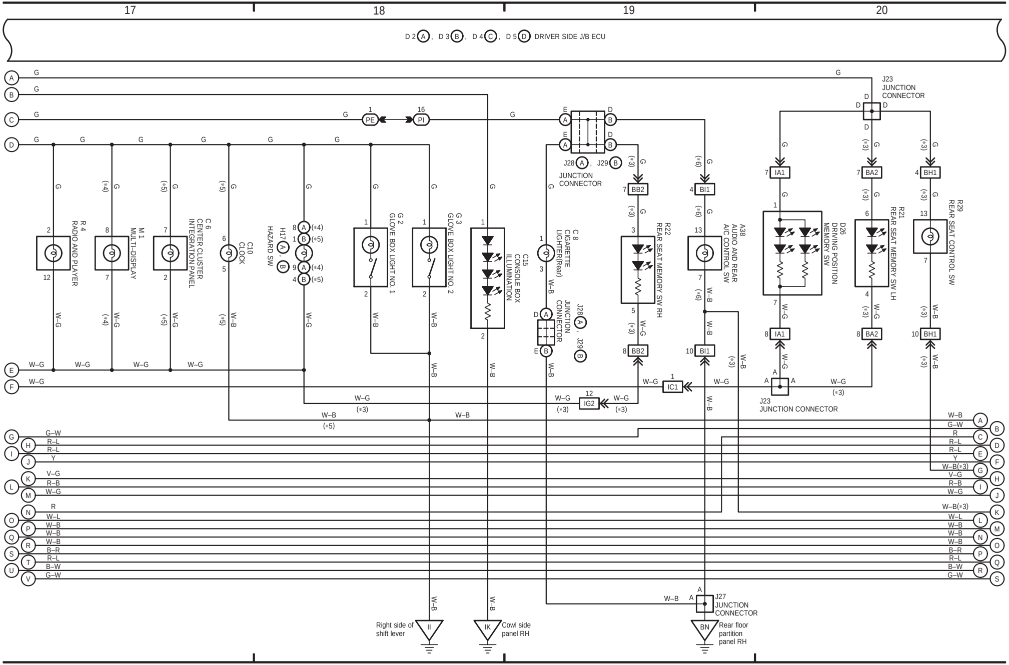

13
14
15
16
D 2 A , D 3 B , D 4 C , D 5 D DRIVER SIDE J/B ECU
TR+
PANEL2
TR1
TR2
TR3
12 D
8
6 D
17 D
18 D
10 DF
18 DI
5 DE
15 DE
7 DE
J17 A , J18 B
JUNCTION CONNECTOR
E B
A A
A A
O 3 A
REMOTE CONTROL MIRROR SW
[OUTER MIRROR SW]
6 A
5 A
C11
COIN BOX ILLUMINATION
O 5
CLEARANCE SONAR SW
[OUTER MIRROR SW]
(∗1)
H21
HEIGHT CONTROL SW
(∗2)
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
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
G
W–G
A
B
C
D
E
F
A G–W G
B R–L H
C R–L I
D Y J
E V–G K
F R–B L
G W–G M
H R N
I W–L O
J W–B P
K W–B Q
L W–B R
M B–R S
N R–L T
O B–W U
P G–W V

2 LS 430 (LHD) (Cont' d)

(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)

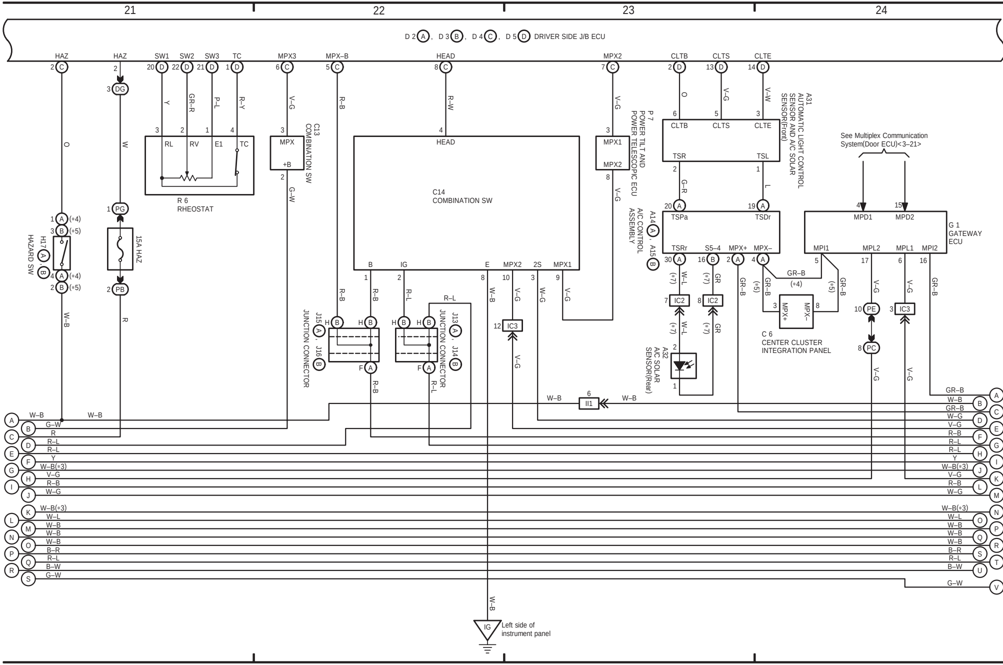

17
18
19
20
D 2 (A), D 3 (B), D 4 (C), D 5 (D) DRIVER SIDE J/B ECU
R 4 RADIO AND PLAYER
M 1 MULTI–DISPLAY
C 6 CENTER CLUSTER INTEGRATION PANEL
C10 CLOCK
H17 (A), (B) HAZARD SW
G 2 GLOVE BOX LIGHT NO. 1
G 3 GLOVE BOX LIGHT NO. 2
C15 CONSOLE BOX ILLUMINATION
C 8 CIGARETTE LIGHTER(Rear)
J28 (A), J29 (B) JUNCTION CONNECTOR
R22 REAR SEAT MEMORY SW RH
A38 AUDIO AND REAR A/C CONTROL SW
D26 DRIVING POSITION MEMORY SW
R21 REAR SEAT MEMORY SW LH
R29 REAR SEAT CONTROL SW
J23 JUNCTION CONNECTOR
J27 JUNCTION CONNECTOR
PE
PI
BB2
BI1
IA1
BA2
BH1
IC1
IG2
II Right side of shift lever
IK Cowl side panel RH
BN Rear floor partition panel RH
G
W–G
W–B
G–W
R–L
Y
V–G
R–B
R
W–L
B–R
B–W
W–B(∗3)
(∗3)
(∗4)
(∗5)
(∗6)

2 LS 430 (LHD) (Cont' d)

(Cont. next page)

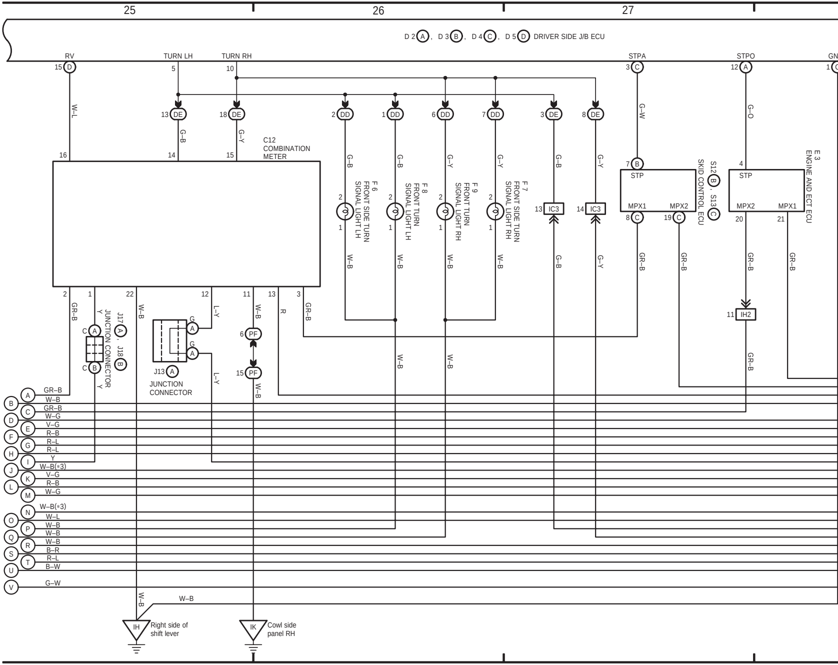
∗ 3 : w/ Rear Power Seat
∗ 4 : w/ LEXUS Navigation System
∗ 5 : w/o LEXUS Navigation System
∗ 7 : w/ Rear Cooler

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
O
W
Y
GR–R
P–L
R–Y
V–G
R–B
R–W
V–G
O
V–G
V–W
RL
RV
E1
TC
R 6
RHEOSTAT
MPX
+B
C13
COMBINATION SW
G–W
HEAD
C14
COMBINATION SW
B
IG
E
MPX2
2S
MPX1
MPX1
MPX2
P 7
POWER TILT AND
POWER TELESCOPIC ECU
A31
AUTOMATIC LIGHT CONTROL
SENSOR AND A/C SOLAR
SENSOR(Front)
TSR
TSL
G–R
L
See Multiplex Communication
System(Door ECU)<3–21>
TSPa
TSDr
TSRr
S5–4
MPX+
MPX–
A14 (A), A15 (B)
A/C CONTROL
ASSEMBLY
MPD1
MPD2
MPI1
MPL2
MPL1
MPI2
G 1
GATEWAY
ECU
H17 (A), (B)
HAZARD SW
15A HAZ
J15 (A), J16 (B)
JUNCTION CONNECTOR
J13 (A), J14 (B)
JUNCTION CONNECTOR
R–L
W–B
V–G
W–B
V–G
IC3
IC2
IC2
W–L
GR
(∗7)
A32
A/C SOLAR
SENSOR(Rear)
GR–B
(∗4)
(∗5)
C 6
CENTER CLUSTER
INTEGRATION PANEL
PE
PC
IC3
II1
IG
Left side of
instrument panel
W–B
G–W
R
R–L
R–L
Y
W–B(∗3)
V–G
R–B
W–G
W–L
W–B
B–R
B–W
GR–B
GR–B
W–G
V–G
R–B
G–W

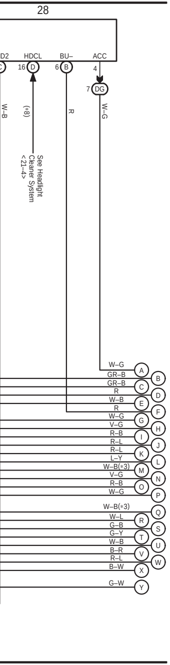
2 LS 430 (LHD) (Cont' d)

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
15 (D)
TURN LH
5
TURN RH
10
STPA
3 (C)
STPO
12 (A)
GN
1 (C
W–L
13 (DE)
18 (DE)
2 (DD)
1 (DD)
6 (DD)
7 (DD)
3 (DE)
8 (DE)
G–B
G–Y
G–W
G–O
C12
COMBINATION
METER
16
14
15
F 6
FRONT SIDE TURN
SIGNAL LIGHT LH
F 8
FRONT TURN
SIGNAL LIGHT LH
F 9
FRONT TURN
SIGNAL LIGHT RH
F 7
FRONT SIDE TURN
SIGNAL LIGHT RH
13 IC3
14 IC3
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
2
1
22
12
11
13
3
GR–B
W–B
L–Y
R
J17 (A), J18 (B)
JUNCTION CONNECTOR
C (A)
C (B)
Y
G (A)
G (A)
J13 (A)
JUNCTION
CONNECTOR
6 (PF)
15 (PF)
11 IH2
(A) GR–B
(B) W–B
(C) GR–B
(D) W–G
(E) V–G
(F) R–B
(G) R–L
(H) R–L
(I) Y
(J) W–B(*3)
(K) V–G
(L) R–B
(M) W–G
(N) W–B(*3)
(O) W–L
(P) W–B
(Q) W–B
(R) W–B
(S) B–R
(T) R–L
(U) B–W
(V) G–W
IH
Right side of
shift lever
IK
Cowl side
panel RH

(Cont. next page)

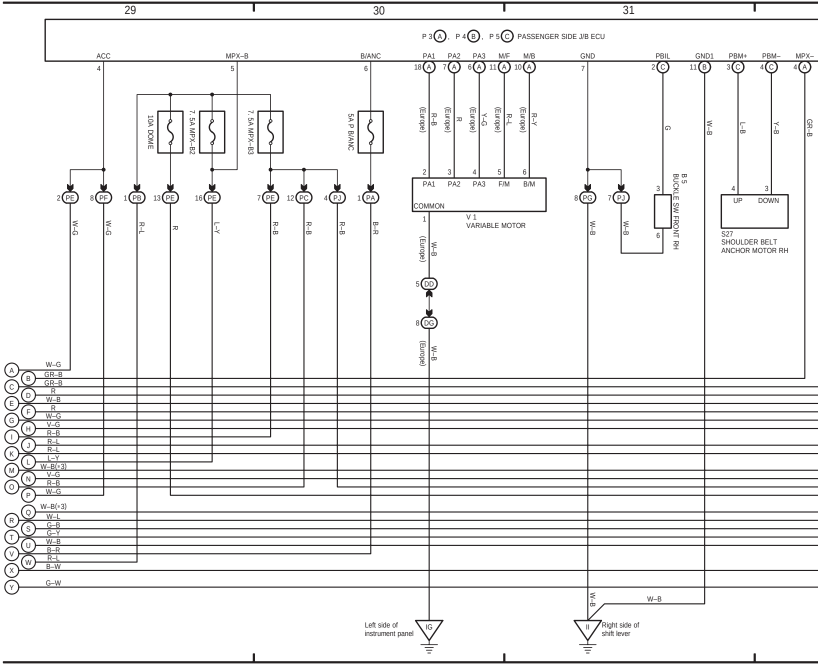
∗ 3 : w/ Rear Power Seat
∗ 8 : w/ Headlight Cleaner



28
D2
HDCL
BU–
ACC
16 D
6 B
4
7 DG
W–B
(∗8)
R
W–G
See Headlight Cleaner System <21–4>
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
W–B(∗3) Q
W–L R
G–B S
G–Y T
W–B U
B–R V
R–L W
B–W X
G–W Y

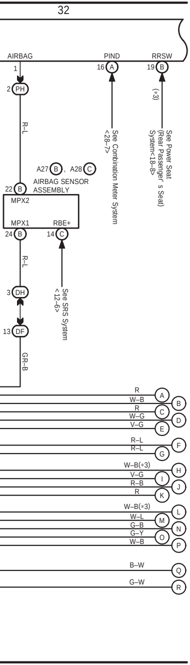
2 LS 430 (LHD) (Cont' d)

Multiplex Communication System (J/B ECU)



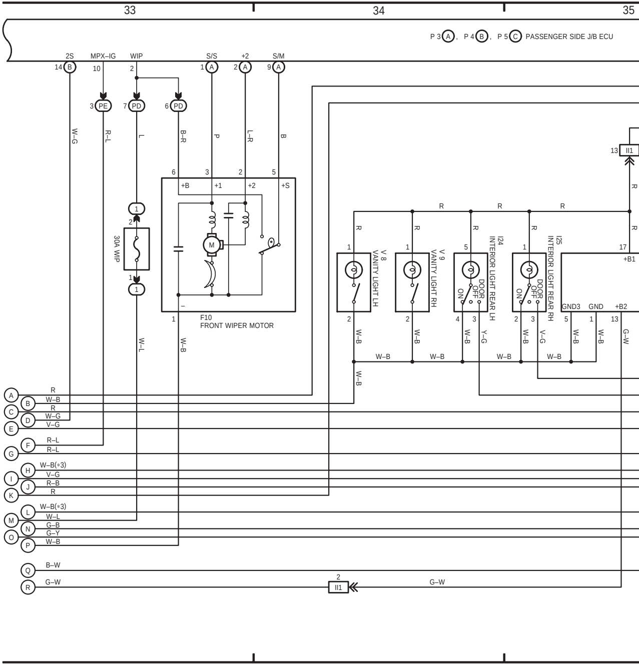
29
30
31
P 3 A, P 4 B, P 5 C PASSENGER SIDE J/B ECU
ACC
MPX–B
B/ANC
PA1
PA2
PA3
M/F
M/B
GND
PBIL
GND1
PBM+
PBM–
MPX–
4
5
6
18 A
7 A
6 A
11 A
10 A
7
2 C
11 B
3 C
4 C
4 A
10A DOME
7. 5A MPX–B2
7. 5A MPX–B3
5A P B/ANC
(Europe) R–B
(Europe) R
(Europe) Y–G
(Europe) R–L
(Europe) R–Y
G
W–B
L–B
Y–B
GR–B
2 PE
8 PF
1 PB
13 PE
16 PE
7 PE
12 PC
4 PJ
1 PA
W–G
W–G
R–L
R
L–Y
R–B
R–B
R–B
B–R
2 3 4 5 6
PA1 PA2 PA3 F/M B/M
COMMON
1
V 1
VARIABLE MOTOR
(Europe) W–B
5 DD
8 DG
(Europe) W–B
8 PG
7 PJ
W–B
W–B
3
6
B 5
BUCKLE SW FRONT RH
4 3
UP DOWN
S27
SHOULDER BELT ANCHOR MOTOR RH
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 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 G–W
W–B
W–B
IG
Left side of instrument panel
II
Right side of shift lever

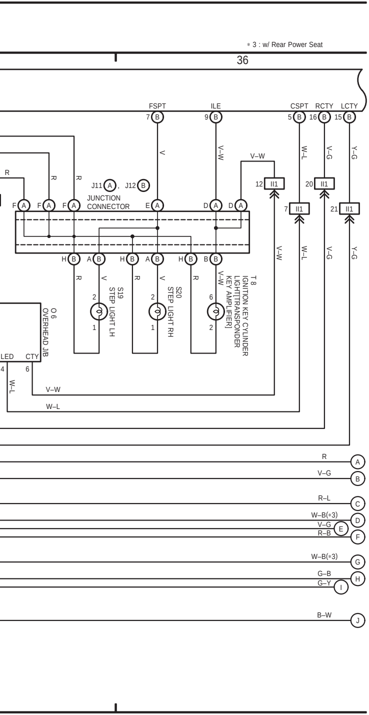
∗ 3 : w/ Rear Power Seat

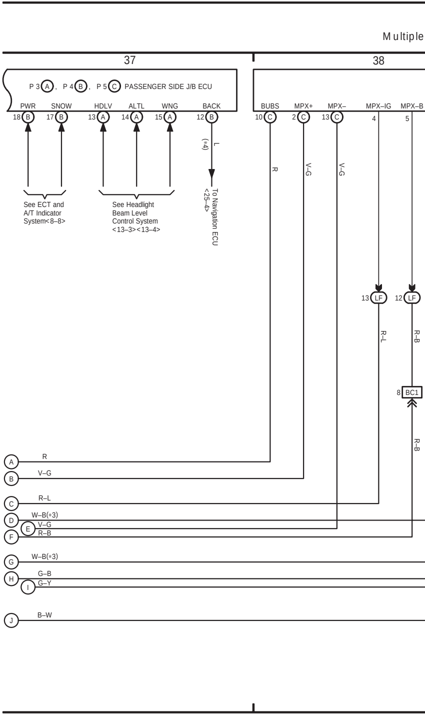

32
AIRBAG
PIND
RRSW
1
16 A
19 B
2 PH
(∗3)
R–L
See Combination Meter System <28–7>
See Power Seat (Rear Passenger' s Seat) System<18–8>
A27 B , A28 C
AIRBAG SENSOR ASSEMBLY
22 B
MPX2
MPX1
RBE+
24 B
14 C
R–L
3 DH
See SRS System <12–6>
13 DF
GR–B
R
W–B
R
W–G
V–G
R–L
R–L
W–B(∗3)
V–G
R–B
R
W–B(∗3)
W–L
G–B
G–Y
W–B
B–W
G–W
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R

2 LS 430 (LHD) (Cont' d)

Multiplex Communication System (J/B ECU)


33
34
35
P 3 A , P 4 B , P 5 C PASSENGER SIDE J/B ECU
2S
MPX–IG
WIP
S/S
+2
S/M
14 B
10
2
1 A
2 A
9 A
3 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
F10
FRONT WIPER MOTOR
1
2
30A WIP
1
1
W–L
W–B
13 II1
R
R
R
R
R
R
R
R
R
1
V 8
VANITY LIGHT LH
1
V 9
VANITY LIGHT RH
5
I24
INTERIOR LIGHT REAR LH
1
I25
INTERIOR LIGHT REAR RH
DOOR
OFF
ON
DOOR
OFF
ON
17
+B1
GND3
GND
+B2
2
2
4
3
2
3
5
1
13
W–B
W–B
W–B
Y–G
W–B
V–G
W–B
W–B
G–W
W–B
W–B
W–B
W–B
W–B
R
W–B
R
W–G
V–G
R–L
R–L
W–B(∗3)
V–G
R–B
R
W–B(∗3)
W–L
G–B
G–Y
W–B
B–W
G–W
2
II1
G–W
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R

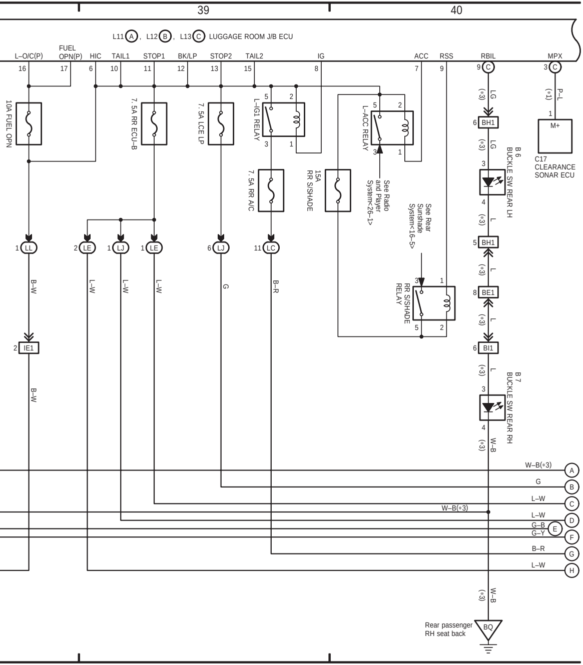

＊3 : w/ Rear Power Seat
36
FSPT
ILE
CSPT
RCTY
LCTY
J11 (A), J12 (B)
JUNCTION CONNECTOR
S19 STEP LIGHT LH
S20 STEP LIGHT RH
T8 IGNITION KEY CYLINDER LIGHT[TRANSPONDER KEY AMPLIFIER]
O 6 OVERHEAD J/B
LED
CTY
II1
V–W
W–L
V–G
Y–G
R
V
R–L
W–B(＊3)
R–B
G–B
G–Y
B–W

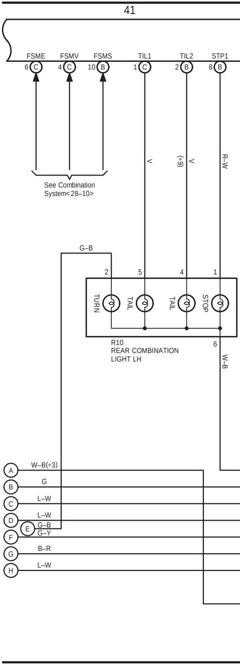

Multiple
37
38
P 3 (A), P 4 (B), P 5 (C) PASSENGER SIDE J/B ECU
PWR
SNOW
HDLV
ALTL
WNG
BACK
BUBS
MPX+
MPX–
MPX–IG
MPX–B
See ECT and A/T Indicator System<8–8>
See Headlight Beam Level Control System <13–3><13–4>
(＊4)
To Navigation ECU <25–4>
LF
BC1
R
V–G
R–L
R–B
W–B(＊3)
G–B
G–Y
B–W

(Cont. next page)

x Communication System (J/B ECU)

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

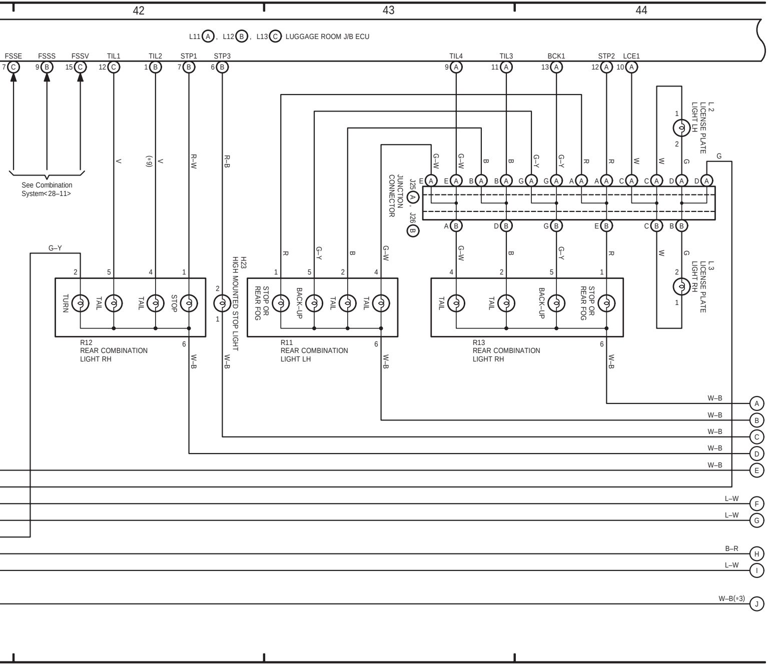

39
40
L11 (A), L12 (B), L13 (C) LUGGAGE ROOM J/B ECU
L–O/C(P)
FUEL OPN(P)
HIC
TAIL1
STOP1
BK/LP
STOP2
TAIL2
IG
ACC
RSS
RBIL
MPX
16
17
6
10
11
12
13
15
8
7
9
9 (C)
3 (C)
10A FUEL OPN
7. 5A RR ECU–B
7. 5A LCE LP
L–IG1 RELAY
L–ACC RELAY
7. 5A RR A/C
15A RR S/SHADE
See Radio and Player System<26–1>
See Rear Sunshade System<16–5>
RR S/SHADE RELAY
(∗3) LG
6 BH1
B 6 BUCKLE SW REAR LH
(∗3) L
5 BH1
8 BE1
6 BI1
B 7 BUCKLE SW REAR RH
(∗3) W–B
(∗1) P–L
M+
C17 CLEARANCE SONAR ECU
1 (LL)
2 (LE)
1 (LJ)
1 (LE)
6 (LJ)
11 (LC)
B–W
L–W
G
B–R
2 IE1
W–B(∗3)
L–W
G–B
G–Y
(A)
(B)
(C)
(D)
(E)
(F)
(G)
(H)
Rear passenger RH seat back
BQ


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

(Cont. next page)

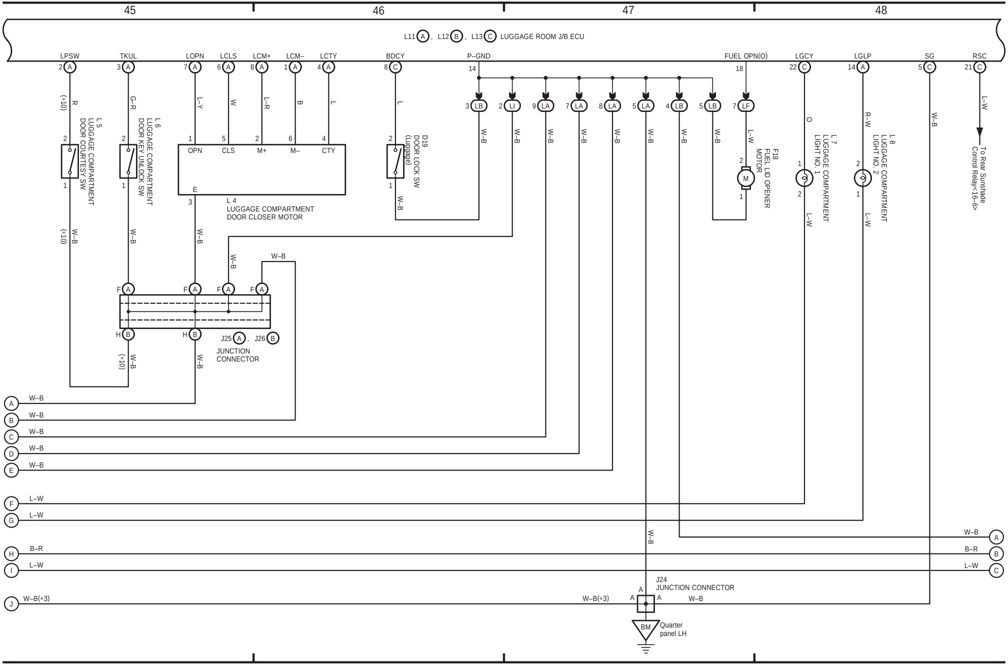
Multiplex Communication System (J/B ECU)

∗ 3 : w/ Rear Power Seat
∗ 9 : Europe w/o Electronic Modulated Air Suspension, G. C. C.


42
43
44
L11 (A), L12 (B), L13 (C) LUGGAGE ROOM J/B ECU
FSSE 7 (C)
FSSS 9 (B)
FSSV 15 (C)
TIL1 12 (C)
TIL2 1 (B)
STP1 7 (B)
STP3 6 (B)
TIL4 9 (A)
TIL3 11 (A)
BCK1 13 (A)
STP2 12 (A)
LCE1 10 (A)
See Combination System<28–11>
V
(∗9)
V
R–W
R–B
G–W
G–W
B
B
G–Y
G–Y
R
R
W
W
G
G
E (A) E (A) B (A) B (A) G (A) G (A) A (A) A (A) C (A) C (A) D (A) D (A)
J25 (A), J26 (B) JUNCTION CONNECTOR
A (B) D (B) G (B) E (B) C (B) B (B)
L 2 LICENSE PLATE LIGHT LH
L 3 LICENSE PLATE LIGHT RH
G–Y
TURN
TAIL
TAIL
STOP
R12 REAR COMBINATION LIGHT RH
H23 HIGH MOUNTED STOP LIGHT
STOP OR REAR FOG
BACK–UP
TAIL
TAIL
R11 REAR COMBINATION LIGHT LH
TAIL
TAIL
BACK–UP
STOP OR REAR FOG
R13 REAR COMBINATION LIGHT RH
W–B
W–B (A)
W–B (B)
W–B (C)
W–B (D)
W–B (E)
L–W (F)
L–W (G)
B–R (H)
L–W (I)
W–B(∗3) (J)

Multiplex Communication System (J/B ECU)

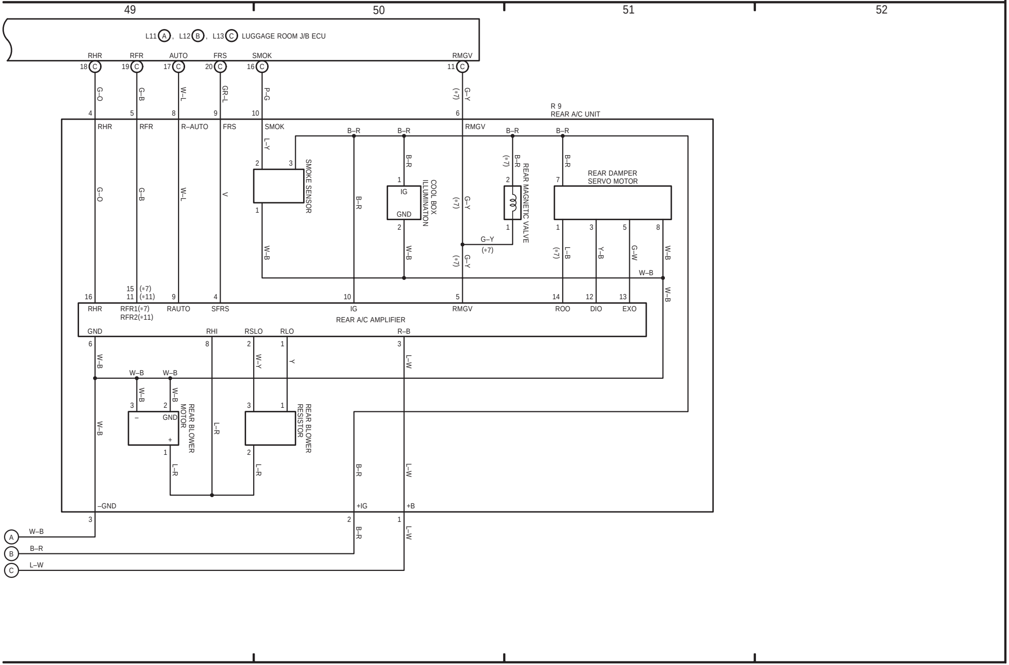
∗ 3 : w/ Rear Power Seat
∗10 : w/ Smart Key System


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
2 (A)
3 (A)
7 (A)
6 (A)
8 (A)
1 (A)
4 (A)
8 (C)
14
18
22 (C)
14 (A)
5 (C)
21 (C)
(∗10)
R
G–R
L–Y
W
L–R
B
L
L
L–W
L 5
LUGGAGE COMPARTMENT
DOOR COURTESY SW
L 6
LUGGAGE COMPARTMENT
DOOR KEY UNLOCK SW
OPN
CLS
M+
M–
CTY
E
L 4
LUGGAGE COMPARTMENT
DOOR CLOSER MOTOR
D19
DOOR LOCK SW
(Luggage)
3 (LB)
2 (LI)
9 (LA)
7 (LA)
8 (LA)
5 (LA)
4 (LB)
5 (LB)
7 (LF)
W–B
O
R–W
M
F18
FUEL LID OPENER
MOTOR
L 7
LUGGAGE COMPARTMENT
LIGHT NO. 1
L 8
LUGGAGE COMPARTMENT
LIGHT NO. 2
To Rear Sunshade
Control Relay<16–6>
F (A)
H (B)
J25 (A), J26 (B)
JUNCTION
CONNECTOR
(A) W–B
(B) W–B
(C) W–B
(D) W–B
(E) W–B
(F) L–W
(G) L–W
(H) B–R
(I) L–W
(J) W–B(∗3)
W–B (A)
B–R (B)
L–W (C)
J24
JUNCTION CONNECTOR
W–B(∗3)
A
BM
Quarter
panel LH

2 LS 430 (LHD) (Cont' d)

Multiplex Communication System (J/B ECU)

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


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