2 LS 430 (LHD)

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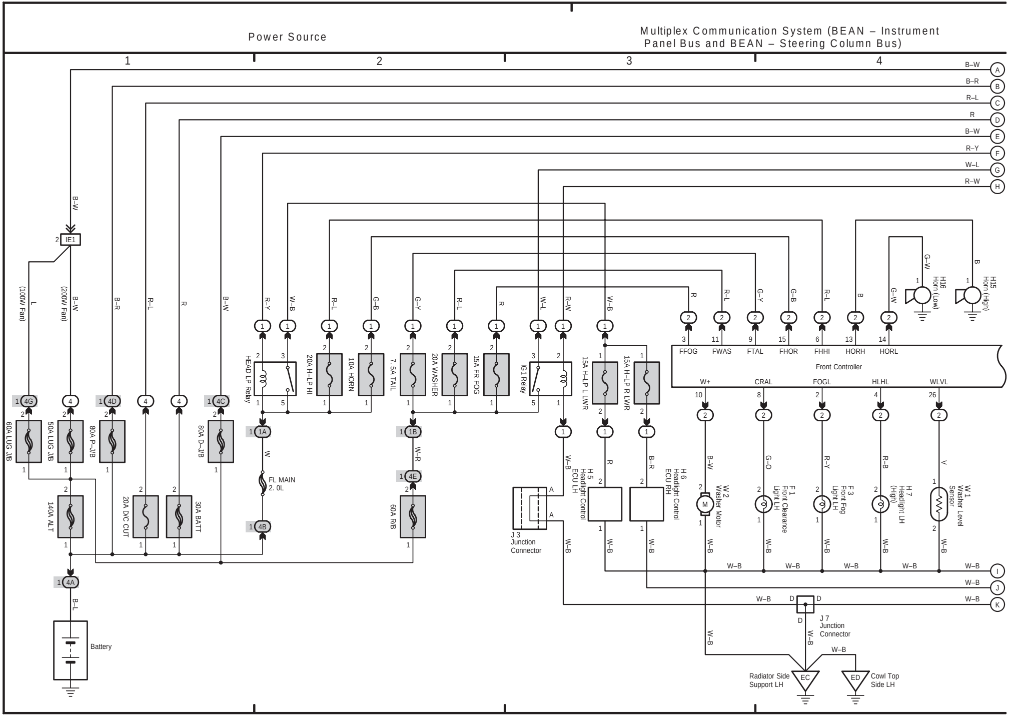
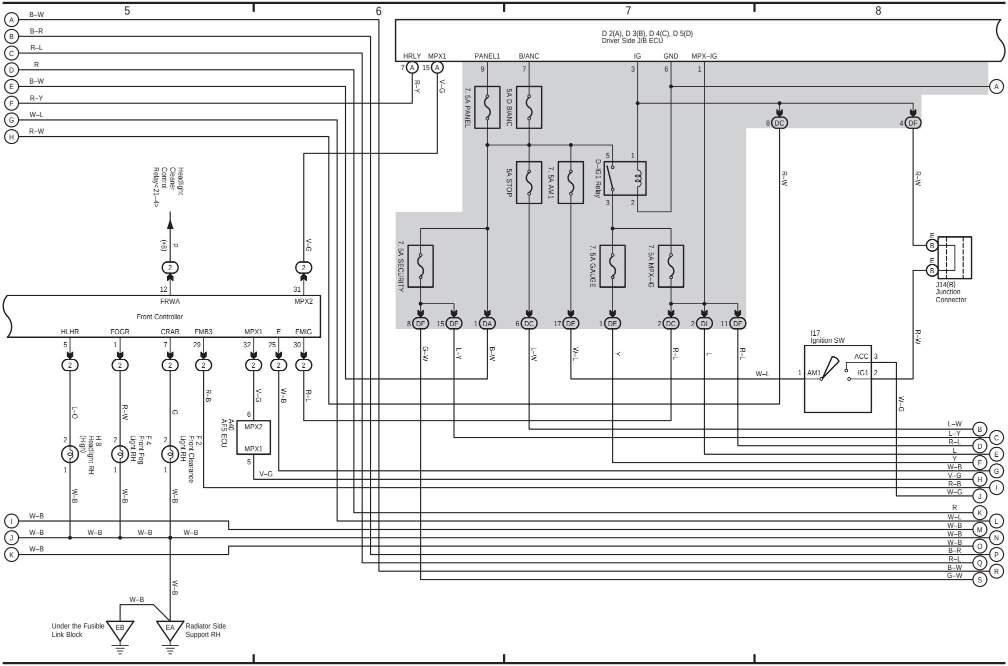

Power Source
Multiplex Communication System (BEAN – Instrument Panel Bus and BEAN – Steering Column Bus)
1
2
3
4
B–W A
B–R B
R–L C
R D
B–W E
R–Y F
W–L G
R–W H
W–B I
W–B J
W–B K
IE1
(100W Fan)
(200W Fan)
4G
4D
4C
4
60A LUG J/B
50A LUG J/B
80A P–J/B
80A D–J/B
140A ALT
20A D/C CUT
30A BATT
4A
B–L
Battery
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
1A
1B
4E
4B
FL MAIN 2. 0L
60A R/B
J 3 Junction Connector
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
H16 Horn (Low)
H15 Horn (High)
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
J 7 Junction Connector
Radiator Side Support LH
EC
Cowl Top Side LH
ED

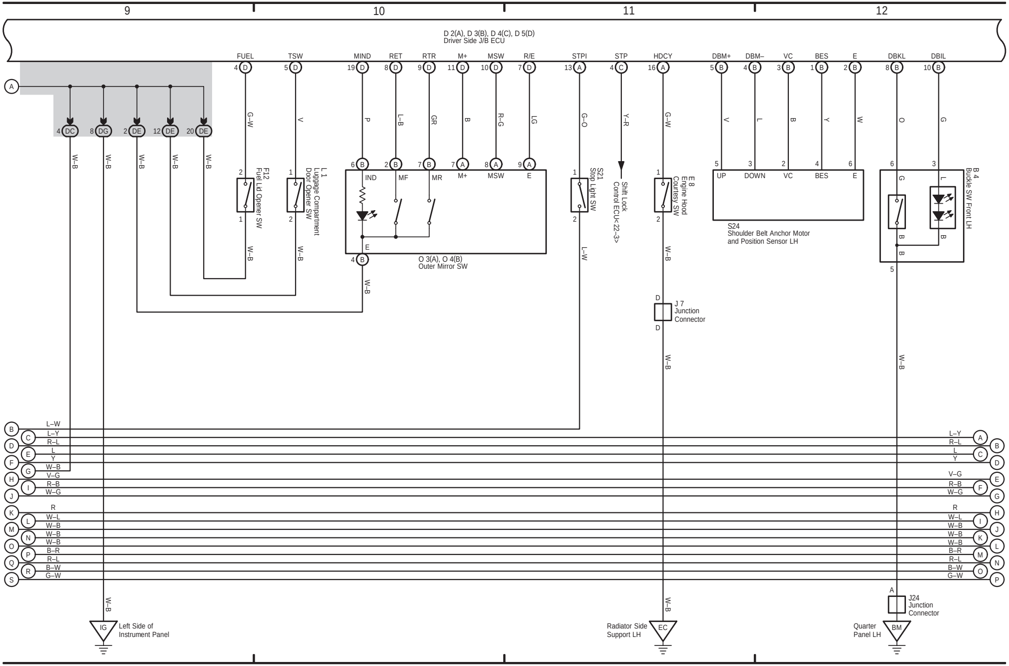
(Cont. next page)

Multiplex Communication System
(BEAN – Instrument Panel Bus and BEAN – Steering Column Bus)

＊8 : w/ Headlight Cleaner


5
6
7
8
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
7.5A PANEL
5A D B/ANC
5A STOP
7.5A AM1
D–IG1 Relay
7.5A SECURITY
7.5A GAUGE
7.5A MPX–IG
J14(B)
Junction
Connector
I17
Ignition SW
AM1
ACC
IG1
Headlight Cleaner Control Relay<21–4>
(＊8)
Front Controller
FRWA
MPX2
HLHR
FOGR
CRAR
FMB3
MPX1
E
FMIG
H 8
Headlight RH
(High)
F 4
Front Fog
Light RH
F 2
Front Clearance
Light RH
A40
AFS ECU
MPX2
MPX1
Under the Fusible
Link Block
Radiator Side
Support RH
EB
EA
B–W
B–R
R–L
R
R–Y
W–L
R–W
V–G
L–O
R–W
G
R–B
W–B
G–W
L–Y
B–W
L–W
Y
L
W–G
B–R
G–W

Multiplex Communication System
(BEAN – Instrument Panel Bus and BEAN – Steering Column Bus)

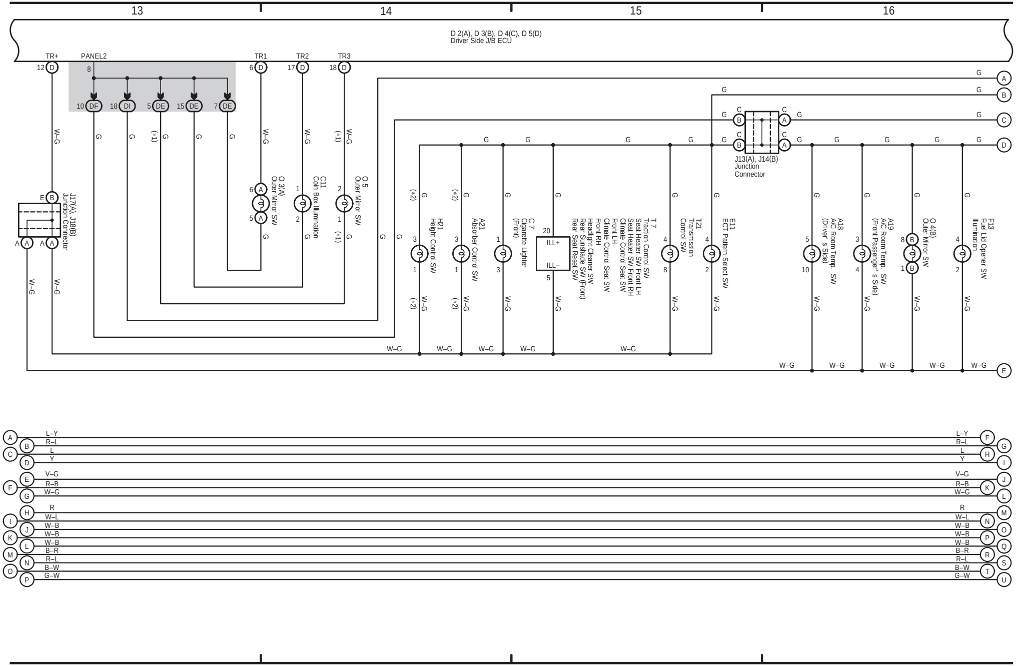

9
10
11
12
D 2(A), D 3(B), D 4(C), D 5(D)
Driver Side J/B ECU
FUEL
TSW
MIND
RET
RTR
M+
MSW
R/E
STPI
STP
HDCY
DBM+
DBM–
VC
BES
E
DBKL
DBIL
A
4 DC
8 DG
2 DE
12 DE
20 DE
G–W
V
P
L–B
GR
B
R–G
LG
G–O
Y–R
W–B
L–Y
F12
Fuel Lid Opener SW
L 1
Luggage Compartment Door Opener SW
IND
MF
MR
E
O 3(A), O 4(B)
Outer Mirror SW
S21
Stop Light SW
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
O
G
L
J 7
Junction Connector
J24
Junction Connector
L–W
R–L
Y
V–G
R–B
W–G
R
W–L
B–R
B–W
G–W
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
IG
Left Side of Instrument Panel
EC
Radiator Side Support LH
BM
Quarter Panel LH

2 LS 430 (LHD) (Cont' d)

(Cont. next page)

Multiplex Communication System
(BEAN – Instrument Panel Bus and BEAN – Steering Column Bus)

＊1 : w/ LEXUS Parking Assist (Clearance Sonar)
＊2 : w/ Electronic Modulated Air Suspension

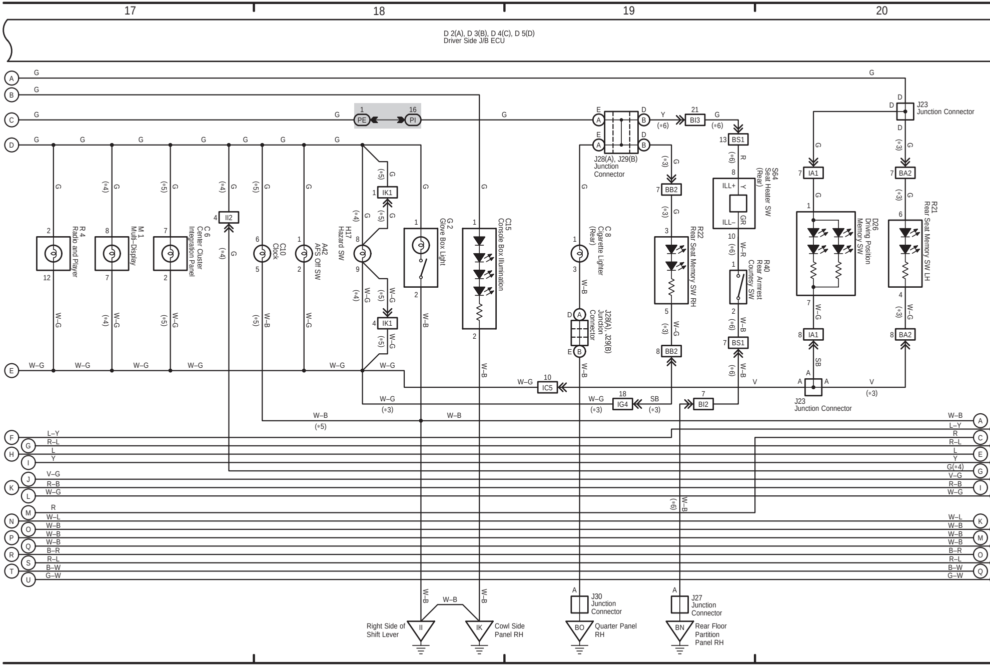

13
14
15
16
D 2(A), D 3(B), D 4(C), D 5(D)
Driver Side J/B ECU
TR+
PANEL2
TR1
TR2
TR3
12 D
8
6 D
17 D
18 D
10 DF
18 DI
5 DE
15 DE
7 DE
W–G
G
(＊1)
(＊2)
J17(A), J18(B)
Junction Connector
O 3(A)
Outer Mirror SW
C11
Coin Box Illumination
O 5
Outer Mirror SW
H21
Height Control SW
A21
Absorber Control SW
C 7
Cigarette Lighter (Front)
ILL+
ILL–
T 7
Traction Control SW
Seat Heater SW Front LH
Seat Heater SW Front RH
Climate Control Seat SW Front LH
Climate Control Seat SW Front RH
Headlight Cleaner SW
Rear Sunshade SW (Front)
Rear Seat Reset SW
T21
Transmission Control SW
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)
Outer Mirror SW
F13
Fuel Lid Opener SW Illumination
A
B
C
D
E
L–Y
R–L
L
Y
V–G
R–B
W–G
R
W–L
W–B
B–R
B–W
G–W
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U

2 LS 430 (LHD) (Cont' d)

(Cont. next pag

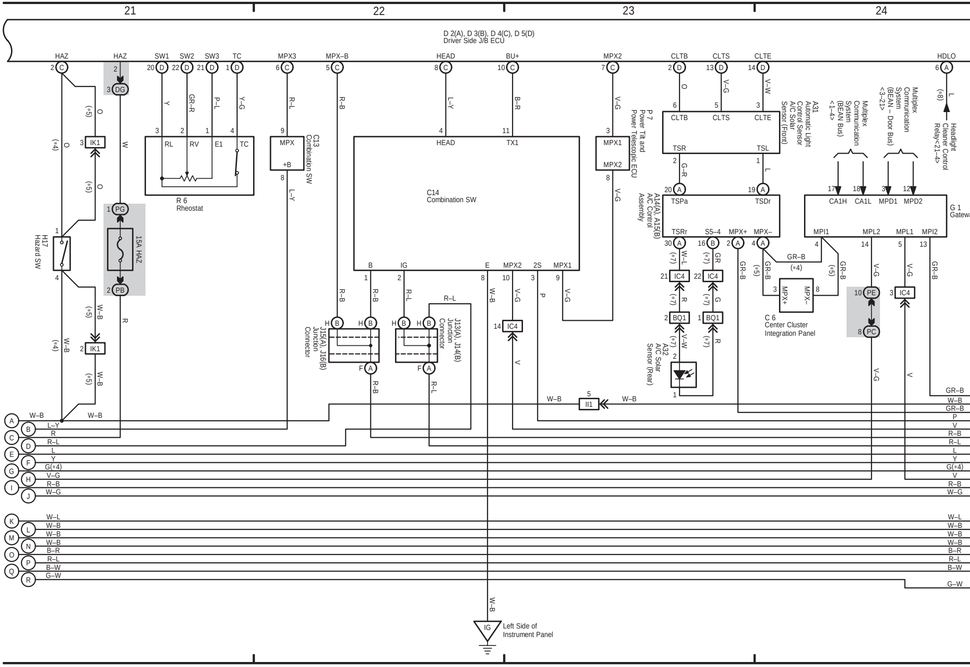
Multiplex Communication System (BEAN – Instrument Panel Bus and BEAN – Steering Column Bus)

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


17
18
19
20
D 2(A), D 3(B), D 4(C), D 5(D)
Driver Side J/B ECU
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
G
W–G
W–B
PE
PI
1
16
BI3
21
Y
(∗6)
BS1
13
J28(A), J29(B)
Junction Connector
J23
Junction Connector
R 4
Radio and Player
M 1
Multi–Display
C 6
Center Cluster Integration Panel
II2
C10
Clock
A42
AFS Off SW
H17
Hazard SW
IK1
G 2
Glove Box Light
C15
Console Box Illumination
C 8
Cigarette Lighter (Rear)
BB2
R22
Rear Seat Memory SW RH
S64
Seat Heater SW (Rear)
ILL+
ILL–
GR
R
W–R
R40
Rear Armrest Courtesy SW
IA1
D26
Driving Position Memory SW
BA2
R21
Rear Seat Memory SW LH
IC5
IG4
SB
BI2
V
(∗3)
(∗4)
(∗5)
L–Y
R–L
L
Y
V–G
R–B
R
W–L
B–R
B–W
G–W
G(∗4)
J30
Junction Connector
J27
Junction Connector
II
Right Side of Shift Lever
IK
Cowl Side Panel RH
BO
Quarter Panel RH
BN
Rear Floor Partition Panel RH

Multiplex Communication System
(BEAN – Instrument Panel Bus and BEAN – Steering Column Bus)

∗ 4 : w/ LEXUS Navigation System
∗ 5 : w/o LEXUS Navigation System
∗ 7 : w/ Rear Cooler
∗ 8 : w/ Headlight Cleaner

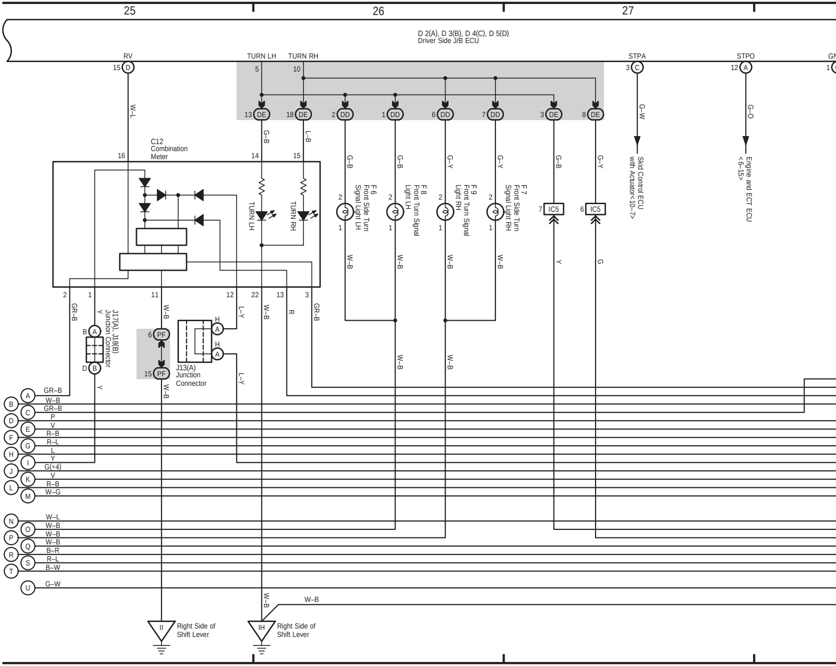

21
22
23
24
D 2(A), D 3(B), D 4(C), D 5(D)
Driver Side J/B ECU
HAZ
HAZ
SW1
SW2
SW3
TC
MPX3
MPX–B
HEAD
BU+
MPX2
CLTB
CLTS
CLTE
HDLO
DG
PG
PB
15A HAZ
IK1
H17
Hazard SW
R 6
Rheostat
RL
RV
E1
C13
Combination SW
MPX
+B
C14
Combination SW
TX1
B
IG
E
2S
MPX1
P 7
Power Tilt and
Power Telescopic ECU
A31
Automatic Light
Control Sensor
A/C Solar
Sensor (Front)
TSR
TSL
A14(A), A15(B)
A/C Control
Assembly
TSPa
TSDr
TSRr
S5–4
MPX+
MPX–
IC4
BQ1
A32
A/C Solar
Sensor (Rear)
C 6
Center Cluster
Integration Panel
Multiplex
Communication
System
(BEAN Bus)
<1–4>
Multiplex
Communication
System
(BEAN – Door Bus)
<3–21>
Headlight
Cleaner Control
Relay<21–4>
G 1
Gatewa
CA1H
CA1L
MPD1
MPD2
MPI1
MPL2
MPL1
MPI2
PE
PC
J15(A), J16(B)
Junction
Connector
J13(A), J14(B)
Junction
Connector
II1
IG
Left Side of
Instrument Panel
(∗4)
(∗5)
(∗7)
(∗8)
W–B
L–Y
R
R–L
L
Y
G(∗4)
V–G
R–B
W–G
W–L
B–R
B–W
G–W
GR–B
P
V
O
W
GR–R
P–L
Y–G
V–W
GR
G
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R

page)

ay ECU
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U

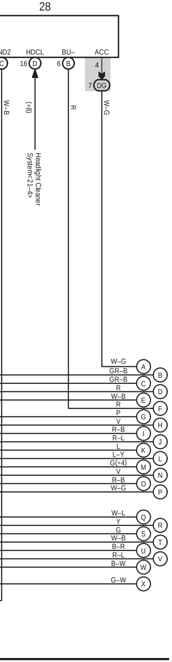
2 LS 430 (LHD) (Cont' d)

Multiplex Communication System
(BEAN – Instrument Panel Bus and BEAN – Steering Column Bus)


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
TURN RH
5
10
STPA
3 C
STPO
12 A
GN
1
13 DE
18 DE
2 DD
1 DD
6 DD
7 DD
3 DE
8 DE
W–L
G–B
L–B
G–B
G–B
G–Y
G–Y
G–B
G–Y
G–W
G–O
C12
Combination
Meter
16
14
15
TURN LH
TURN RH
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
2
1
7 IC5
6 IC5
Skid Control ECU
with Actuator<10–7>
Engine and ECT ECU
<6–15>
W–B
Y
G
2
1
11
12
22
13
3
GR–B
Y
W–B
L–Y
W–B
R
GR–B
J17(A), J18(B)
Junction Connector
B A
D B
6 PF
15 PF
H
A
J13(A)
Junction
Connector
A GR–B
B W–B
C GR–B
D P
E V
F R–B
G R–L
H L
I Y
J G(*4)
K V
L R–B
M W–G
N W–L
O W–B
P W–B
Q W–B
R B–R
S R–L
T B–W
U G–W
W–B
II
Right Side of
Shift Lever
IH
Right Side of
Shift Lever

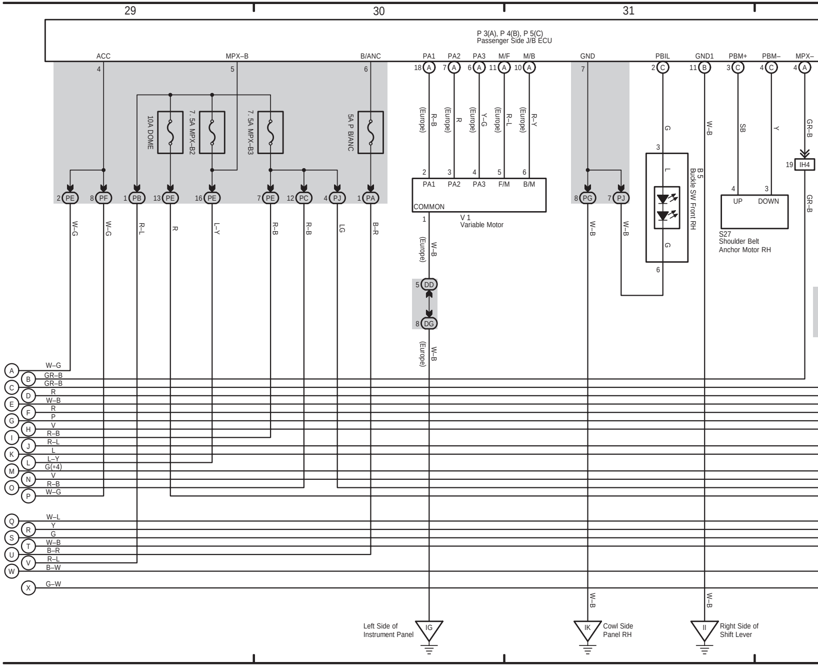
(Cont. next page)

∗ 4 : w/ LEXUS Navigation System
∗ 8 : w/ Headlight Cleaner


28
ND2
HDCL
BU–
ACC
C
16 D
6 B
4
7 DG
W–B
(∗8)
R
W–G
Headlight Cleaner System<21–4>
W–G A
GR–B B
GR–B C
R D
W–B E
R F
P G
V H
R–B I
R–L J
L K
L–Y L
G(∗4) M
V N
R–B O
W–G P
W–L Q
Y R
G S
W–B T
B–R U
R–L V
B–W W
G–W X

2 LS 430 (LHD) (Cont' d)

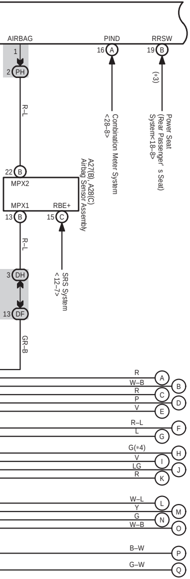
Multiplex Communication System
(BEAN – Instrument Panel Bus and BEAN – Steering Column Bus)


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–
10A DOME
7. 5A MPX–B2
7. 5A MPX–B3
5A P B/ANC
2 PE
8 PF
1 PB
13 PE
16 PE
7 PE
12 PC
4 PJ
1 PA
8 PG
7 PJ
(Europe)
V 1
Variable Motor
COMMON
5 DD
8 DG
B 5
Buckle SW Front RH
S27
Shoulder Belt
Anchor Motor RH
UP
DOWN
19 IH4
W–G A
GR–B B
GR–B C
R D
W–B E
R F
P G
V H
R–B I
R–L J
L K
L–Y L
G(∗4) M
V N
R–B O
W–G P
W–L Q
Y R
G S
W–B T
B–R U
R–L V
B–W W
G–W X
IG
Left Side of Instrument Panel
IK
Cowl Side Panel RH
II
Right Side of Shift Lever

(Cont. next page)

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

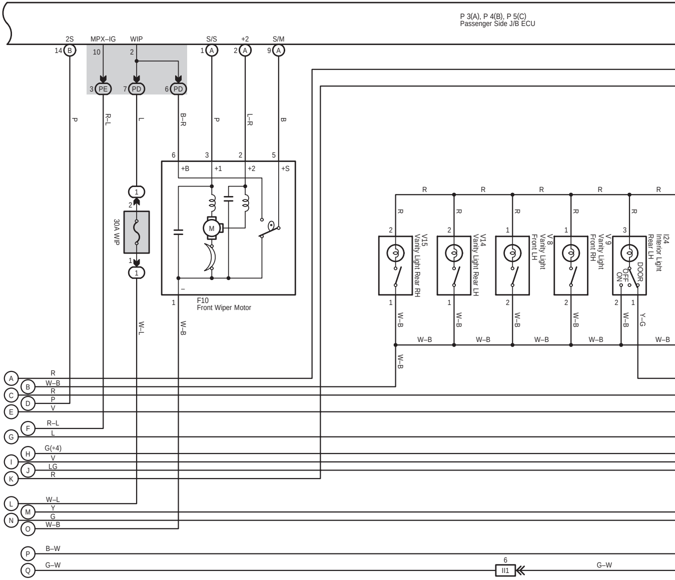
32


AIRBAG
PIND
RRSW
1
2 PH
16 A
19 B
(＊3)
R–L
Combination Meter System <28–8>
Power Seat (Rear Passenger' s Seat) System<18–8>
22 B
MPX2
MPX1
RBE+
13 B
15 C
A27(B), A28(C) Airbag Sensor Assembly
R–L
3 DH
SRS System <12–7>
13 DF
GR–B
R
W–B
R
P
V
R–L
L
G(＊4)
V
LG
R
W–L
Y
G
W–B
B–W
G–W
A B C D E F G H I J K L M N O P Q

2 LS 430 (LHD) (Cont' d)

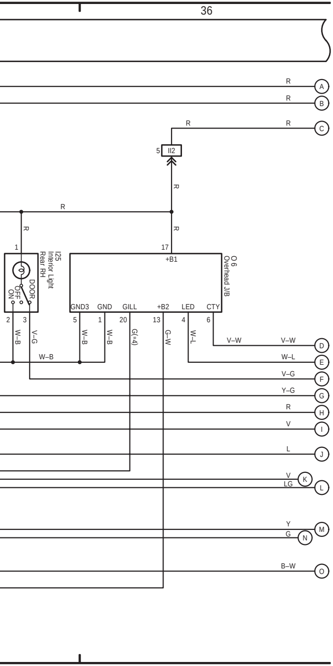
Multiplex Communication System
(BEAN – Instrument Panel Bus and BEAN – Steering Column B

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
P
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
R
R
R
R
R
2
2
1
1
3
V15
Vanity Light Rear RH
V14
Vanity Light Rear LH
V 8
Vanity Light
Front LH
V 9
Vanity Light
Front RH
I24
Interior Light
Rear LH
DOOR
OFF
ON
1
1
2
2
2
1
W–B
W–B
W–B
W–B
W–B
Y–G
W–B
W–B
W–B
W–B
W–B
W–B
R
W–B
R
P
V
R–L
L
G(＊4)
V
LG
R
W–L
Y
G
W–B
B–W
G–W
6
II1
G–W
A B C D E F G H I J K L M N O P Q

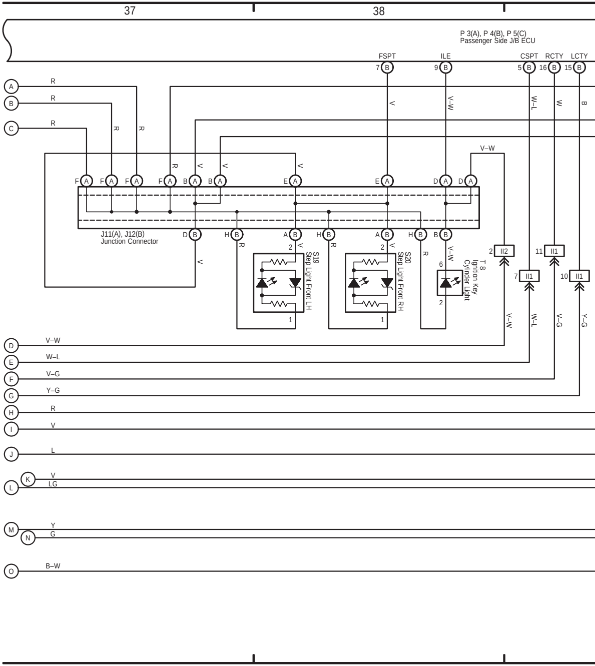
us)

∗ 4 : w/ LEXUS Navigation System

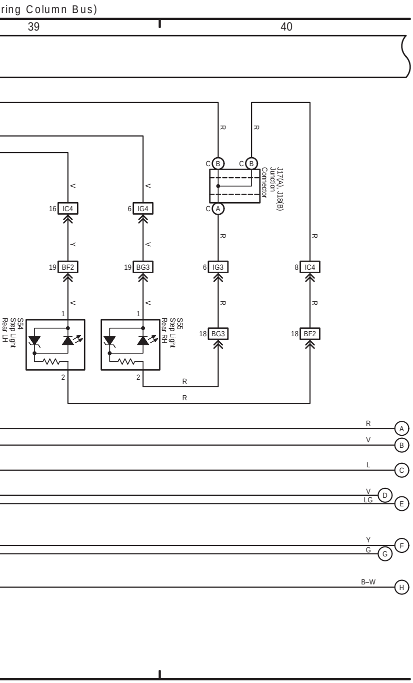

36
R
A
R
B
R
R
C
5
II2
R
R
R
R
1
17
I25
Interior Light
Rear RH
DOOR
OFF
ON
+B1
O 6
Overhead J/B
2
3
GND3
GND
GILL
+B2
LED
CTY
5
1
20
13
4
6
W–B
V–G
W–B
W–B
G(∗4)
G–W
W–L
V–W
V–W
D
W–B
W–L
E
V–G
F
Y–G
G
R
H
V
I
L
J
V
K
LG
L
Y
M
G
N
B–W
O

2 LS 430 (LHD) (Cont' d)

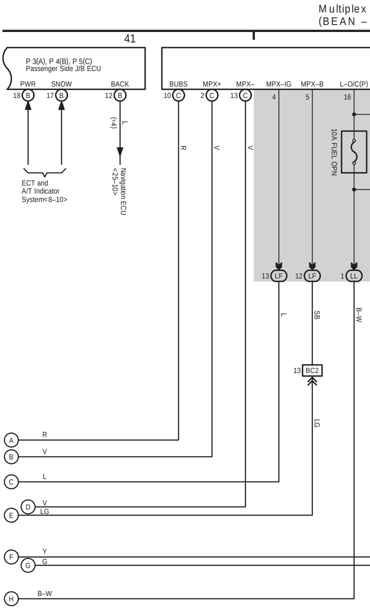
Multiplex Communication System
(BEAN – Instrument Panel Bus and BEAN – Stee


37
38
P 3(A), P 4(B), P 5(C)
Passenger Side J/B ECU
FSPT
ILE
CSPT
RCTY
LCTY
7
B
9
B
5
B
16
B
15
B
A
R
B
R
C
R
R
R
V
V–W
W–L
W
B
V–W
R
V
V
V
F
A
F
A
F
A
F
A
B
A
B
A
E
A
E
A
D
A
D
A
J11(A), J12(B)
Junction Connector
D
B
H
B
A
B
H
B
A
B
H
B
B
B
R
2
V
R
2
V
R
V–W
V
S19
Step Light Front LH
S20
Step Light Front RH
6
T 8
Ignition Key
Cylinder Light
2
II2
11
II1
7
II1
10
II1
1
1
2
V–W
W–L
V–G
Y–G
D
V–W
E
W–L
F
V–G
G
Y–G
H
R
I
V
J
L
K
V
L
LG
M
Y
N
G
O
B–W

(Cont. next page)


ring Column Bus)
39
40
R
R
C B
C B
J17(A), J18(B) Junction Connector
C A
V
V
16 IC4
6 IG4
Y
V
R
R
19 BF2
19 BG3
6 IG3
8 IC4
V
V
R
R
1
1
S54 Step Light Rear LH
S55 Step Light Rear RH
18 BG3
18 BF2
2
2
R
R
R A
V B
L C
V D
LG E
Y F
G G
B–W H

2 LS 430 (LHD) (Cont' d)


Multiplex
(BEAN –
41
P 3(A), P 4(B), P 5(C)
Passenger Side J/B ECU
PWR
SNOW
BACK
18 B
17 B
12 B
L
(*4)
ECT and A/T Indicator System<8–10>
Navigation ECU <25–10>
BUBS
MPX+
MPX–
MPX–IG
MPX–B
L–O/C(P)
10 C
2 C
13 C
4
5
16
R
V
V
10A FUEL OPN
13 LF
12 LF
1 LL
L
SB
B–W
13 BC2
LG
A R
B V
C L
D V
E LG
F Y
G G
H B–W

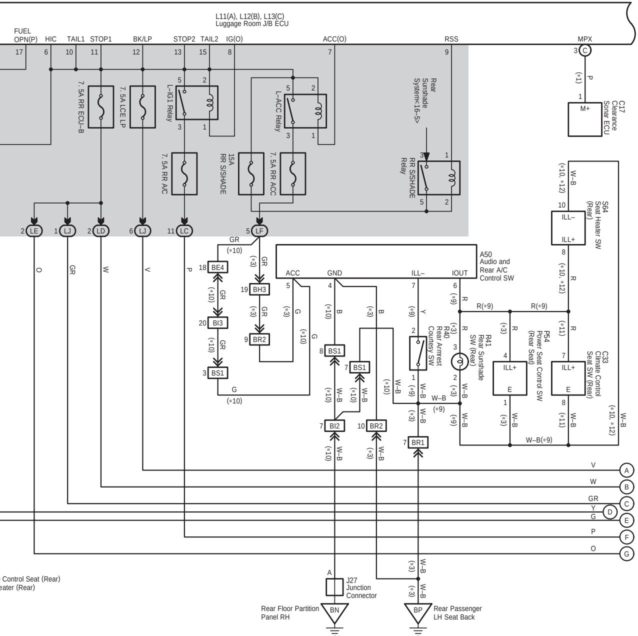
* 1 : w/ LEXUS Parking Assist (Clearance Sonar)
* 3 : w/ Rear Power Seat
* 4 : w/ LEXUS Navigation System
* 9 : w/ Rear Audio Controller

*10 : w/o Power Seat G. C. C.
*11 : w/ Rear Power Seat w/ Climate
*12 : w/ Rear Power Seat w/ Seat He

(Cont. next page)

Communication System
(… Instrument Panel Bus and BEAN – Steering Column Bus)

42 43 44

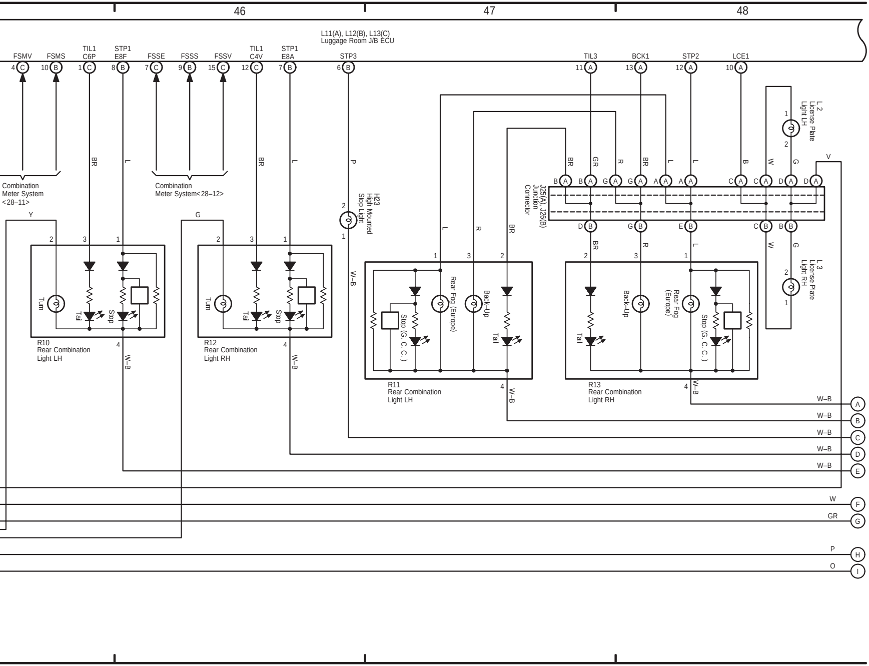

L11(A), L12(B), L13(C)
Luggage Room J/B ECU
FUEL OPN(P)
HIC
TAIL1
STOP1
BK/LP
STOP2
TAIL2
IG(O)
ACC(O)
RSS
MPX
17
6
10
11
12
13
15
8
7
9
3 C
(*1)
P
1
M+
C17
Clearance
Sonar ECU
7. 5A RR ECU–B
7. 5A LCE LP
L–IG1 Relay
L–ACC Relay
7. 5A RR A/C
15A
RR S/SHADE
7. 5A RR ACC
Rear
Sunshade
System<16–5>
RR S/SHADE
Relay
5
2
3
1
2 LE
1 LJ
2 LD
6 LJ
11 LC
5 LF
O
GR
W
V
P
GR
(*10)
(*3)
18 BE4
19 BH3
20 BI3
9 BR2
3 BS1
G
(*10)
A50
Audio and
Rear A/C
Control SW
ACC
GND
ILL–
IOUT
5
4
7
6
(*9)
R
R(*9)
R(*9)
B
Y
R
(*3)
R40
Rear Armrest
Courtesy SW
R41
Rear Sunshade
SW (Rear)
P54
Power Seat Control SW
(Rear Seat)
C33
Climate Control
Seat SW (Rear)
S64
Seat Heater SW
(Rear)
(*10, *12)
W–B
10
ILL–
ILL+
8
(*10, *12)
R
(*11)
ILL+
E
4
1
7
8
8 BS1
7 BS1
7 BI2
10 BR2
7 BR1
W–B
(*9)
W–B(*9)
(*10, *12)
V
W
GR
Y
G
P
O
A
B
C
D
E
F
G
A
J27
Junction
Connector
Rear Floor Partition
Panel RH
BN
BP
Rear Passenger
LH Seat Back
Control Seat (Rear)
eater (Rear)

2 LS 430 (LHD) (Cont'

45

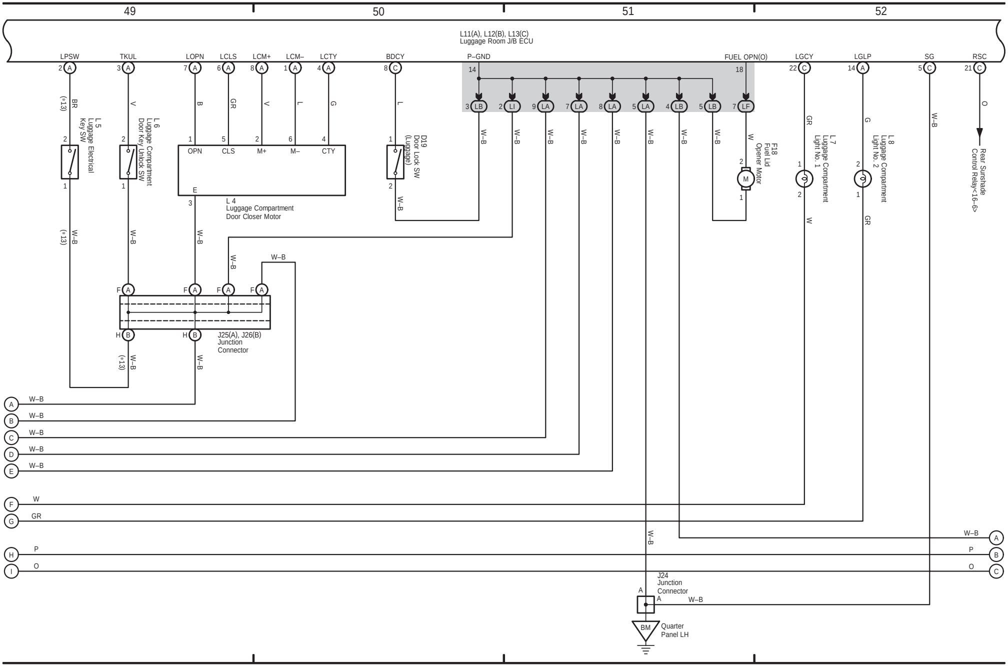
FSME
6 C
A
V
B
W
C
GR
D
Y
E
G
F
P
G
O

Multiplex Communication System
(BEAN – Instrument Panel Bus and BEAN – Steering Column Bus)


46
47
48
L11(A), L12(B), L13(C)
Luggage Room J/B ECU
FSMV
FSMS
TIL1 C6P
STP1 E8F
FSSE
FSSS
FSSV
TIL1 C4V
STP1 E8A
STP3
TIL3
BCK1
STP2
LCE1
4 C
10 B
1 C
8 B
7 C
9 B
15 C
12 C
7 B
6 B
11 A
13 A
12 A
10 A
BR
L
BR
L
P
BR
GR
R
BR
L
L
B
W
G
V
Combination Meter System <28–11>
Combination Meter System<28–12>
Y
G
H23
High Mounted Stop Light
J25(A), J26(B) Junction Connector
L 2
License Plate Light LH
L 3
License Plate Light RH
Turn
Tail
Stop
R10
Rear Combination Light LH
R12
Rear Combination Light RH
W–B
Stop (G. C. C.)
Rear Fog (Europe)
Back–Up
R11
Rear Combination Light LH
R13
Rear Combination Light RH
W–B
A
W–B
B
W–B
C
W–B
D
W–B
E
W
F
GR
G
P
H
O
I

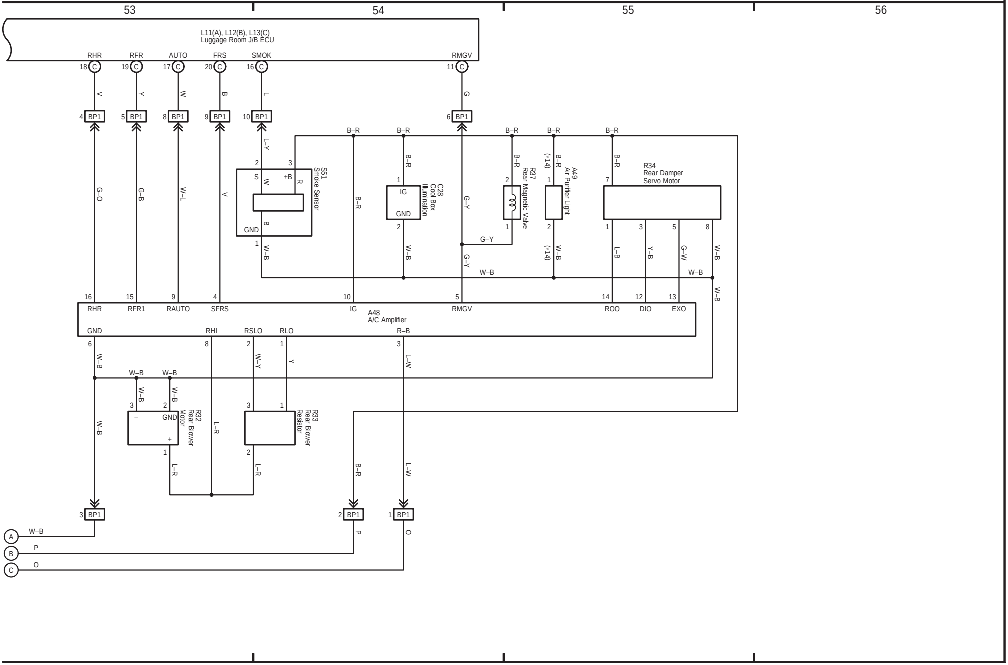
Multiplex Communication System
(BEAN – Instrument Panel Bus and BEAN – Steering Column Bus)

∗13 : w/ Smart Key System


49
50
51
52
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
BR
V
B
GR
L
G
O
W–B
W
(∗13)
L 5
Luggage Electrical
Key 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)
F18
Fuel Lid
Opener Motor
M
L 7
Luggage Compartment
Light No. 1
L 8
Luggage Compartment
Light No. 2
Rear Sunshade
Control Relay<16–6>
LB
LI
LA
LF
J25(A), J26(B)
Junction
Connector
J24
Junction
Connector
BM
Quarter
Panel LH
A
B
C
D
E
F
G
H
I
P

Multiplex Communication System
(BEAN – Instrument Panel Bus and BEAN – Steering Column Bus)

*14 : Except Europe


53
54
55
56
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
V
Y
W
B
L
G
4 BP1
5 BP1
8 BP1
9 BP1
10 BP1
6 BP1
G–O
G–B
W–L
V
L–Y
B–R
S51
Smoke Sensor
S
W
+B
R
GND
B
W–B
C28
Cool Box
Illumination
IG
GND
G–Y
R37
Rear Magnetic Valve
A49
Air Purifier Light
(*14)
R34
Rear Damper
Servo Motor
L–B
Y–B
G–W
W–B
A48
A/C Amplifier
RHR
RFR1
RAUTO
SFRS
IG
RMGV
ROO
DIO
EXO
GND
RHI
RSLO
RLO
R–B
W–Y
Y
L–W
L–R
R32
Rear Blower
Motor
–
GND
+
R33
Rear Blower
Resistor
3 BP1
2 BP1
1 BP1
P
O
A
B
C