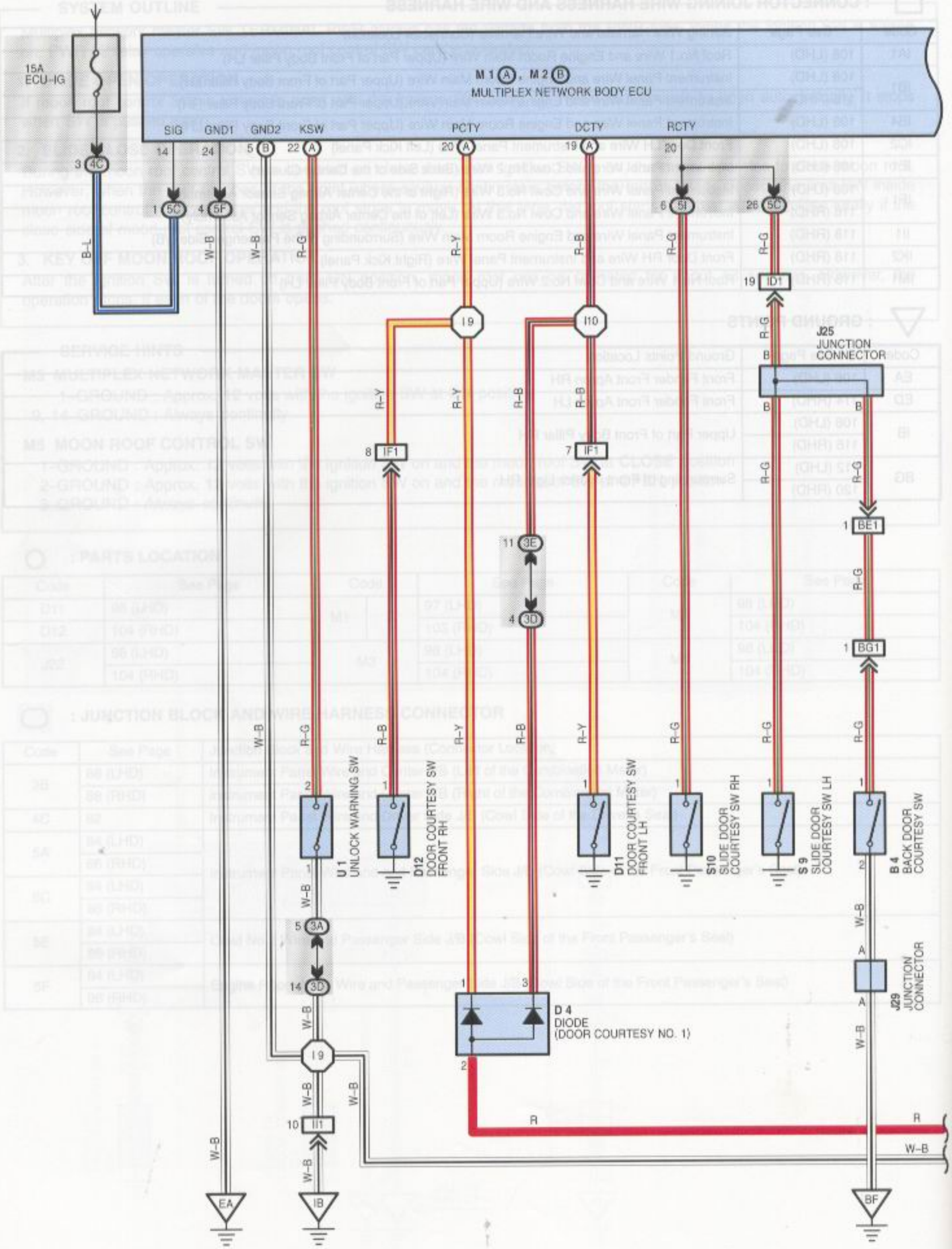
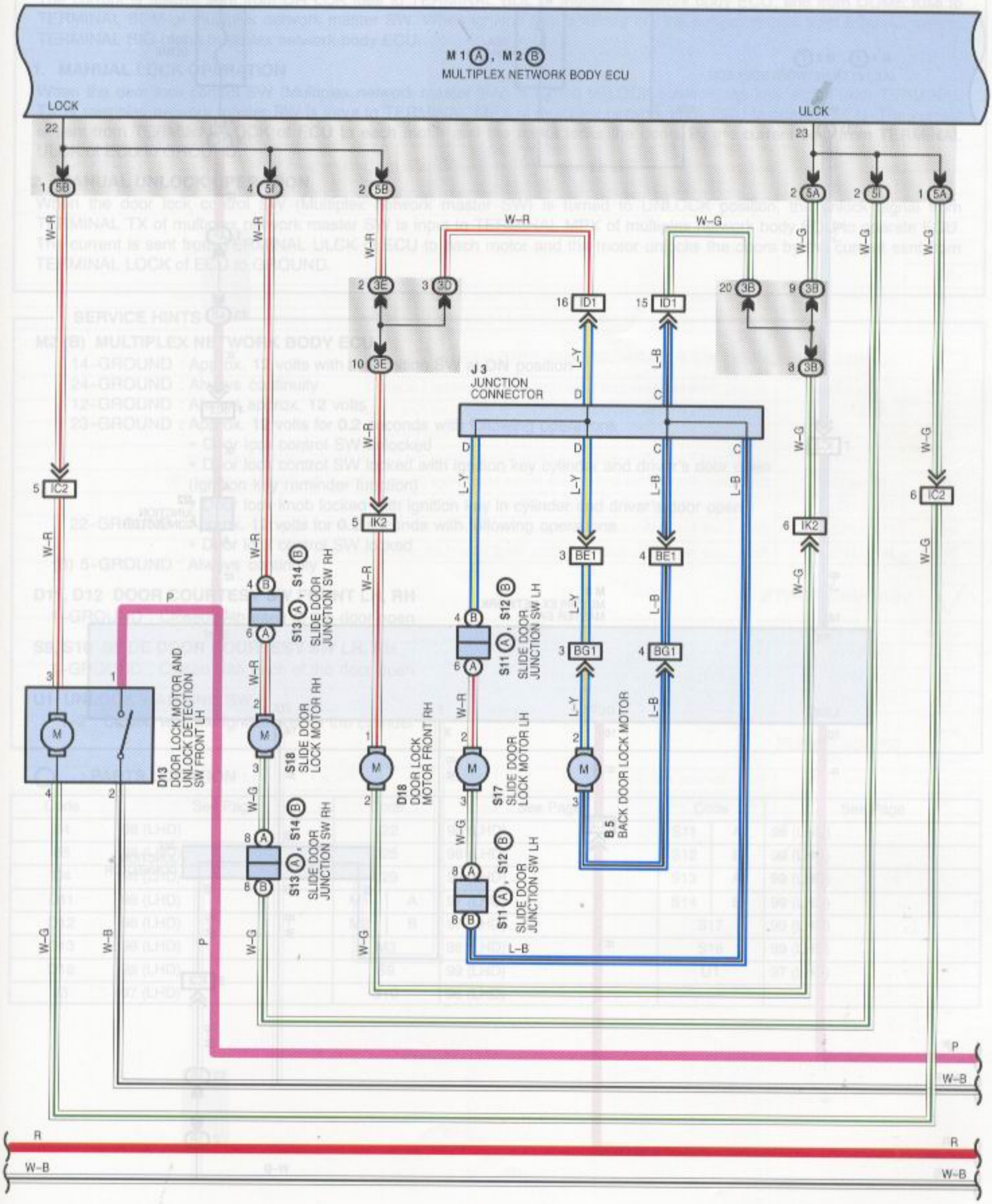
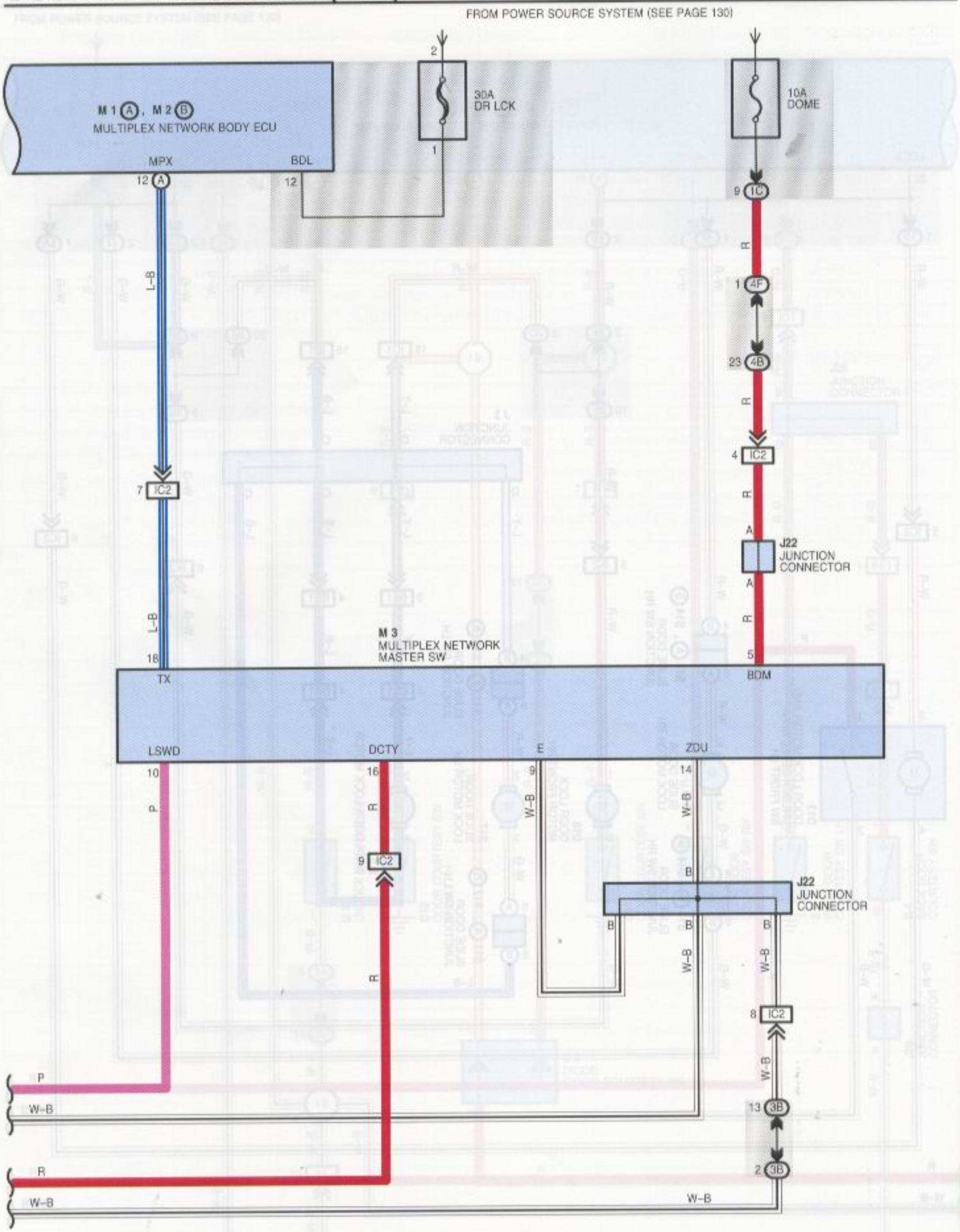
DOOR LOCK CONTROL (LHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 130)




M1 A, M2 B
MULTIPLEX NETWORK BODY ECU
LOCK
ULCK
22
23
1 5B
4 5E
2 5B
2 5A
2 5I
1 5A
W-R
W-G
2 3E
3 3D
16 ID1
15 ID1
20 3B
9 3B
8 3B
10 3E
J3
JUNCTION CONNECTOR
L-Y
L-B
D
C
5 IC2
5 IK2
6 IK2
6 IC2
3 BE1
4 BE1
3 BG1
4 BG1
W-B
P
R
S14 B
S13 A, S14 B
SLIDE DOOR JUNCTION SW RH
S18
SLIDE DOOR LOCK MOTOR RH
S13 A, S12 B
SLIDE DOOR JUNCTION SW LH
S17
SLIDE DOOR LOCK MOTOR LH
S11 A, S12 B
SLIDE DOOR JUNCTION SW LH
D13
DOOR LOCK MOTOR AND UNLOCK DETECTION SW FRONT LH
D18
DOOR LOCK MOTOR FRONT RH
B5
BACK DOOR LOCK MOTOR

DOOR LOCK CONTROL (LHD)



SYSTEM OUTLINE

The current is always sent from DR LCK fuse to TERMINAL BDL of multiplex network body ECU, and from DOME fuse to TERMINAL BDM of multiplex network master SW. When ignition SW is turned on, the current is sent from ECU-IG fuse to TERMINAL SIG of the multiplex network body ECU.

1. MANUAL LOCK OPERATION

When the door lock control SW (Multiplex network master SW) is turned to LOCK position, the lock signal from TERMINAL TX of multiplex network master SW is input to TERMINAL MPX of multiplex network body ECU to operate ECU. The current is sent from TERMINAL LOCK of ECU to each motor and the motor locks the doors by the current sent from TERMINAL ULCK of ECU to GROUND.

2. MANUAL UNLOCK OPERATION

When the door lock control SW (Multiplex network master SW) is turned to UNLOCK position, the unlock signal from TERMINAL TX of multiplex network master SW is input to TERMINAL MPX of multiplex network body ECU to operate ECU. The current is sent from TERMINAL ULCK of ECU to each motor and the motor unlocks the doors by the current sent from TERMINAL LOCK of ECU to GROUND.

SERVICE HINTS

M2 (B) MULTIPLEX NETWORK BODY ECU

14-GROUND : Approx. **12** volts with the ignition SW at **ON** position
24-GROUND : Always continuity
12-GROUND : Always approx. **12** volts
23-GROUND : Approx. **12** volts for **0.2** seconds with following operations
* Door lock control SW unlocked
* Door lock control SW locked with ignition key cylinder and driver's door open (Ignition key reminder function)
* Door lock knob locked with ignition key in cylinder and driver's door open

22-GROUND : Approx. **12** volts for **0.2** seconds with following operations
* Door lock control SW locked

(B) 5-GROUND : Always continuity

D11, D12 DOOR COURTESY SW FRONT LH, RH

1-GROUND : Closed with each of the door open

S9, S10 SLIDE DOOR COURTESY SW LH, RH

1-GROUND : Closed with each of the door open

U1 UNLOCK WARNING SW

1-2 : Closed with the ignition key in the cylinder

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B4	98 (LHD)	J22	98 (LHD)	S11 A	99 (LHD)
B5	98 (LHD)	J25	98 (LHD)	S12 B	99 (LHD)
D4	96 (LHD)	J29	98 (LHD)	S13 A	99 (LHD)
D11	98 (LHD)	M1 A	97 (LHD)	S14 B	99 (LHD)
D12	98 (LHD)	M2 B	97 (LHD)	S17	99 (LHD)
D13	98 (LHD)	M3	98 (LHD)	S18	99 (LHD)
D18	98 (LHD)	S9	99 (LHD)	U1	97 (LHD)
J3	97 (LHD)	S10	99 (LHD)		

DOOR LOCK CONTROL (LHD)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1C	81	Engine Room Main Wire and Engine Room J/B (Left of the Air Cleaner)
3A	88 (LHD)	Instrument Panel Wire and Center J/B (Left of the Combination Meter)
3B		
3D		
3E		
4B	82	Instrument Panel Wire and Driver Side J/B (Cowl Side of the Driver's Seat)
4C		
4F	83	Engine Room Main Wire and Driver Side J/B (Cowl Side of the Driver's Seat)
5A	84 (LHD)	Instrument Panel Wire and Passenger Side J/B (Cowl Side of the Front Passenger's Seat)
5B		
5C		
5F	84 (LHD)	Engine Room Main Wire and Passenger Side J/B (Cowl Side of the Front Passenger's Seat)
5I	84 (LHD)	Floor Wire and Passenger Side J/B (Cowl Side of the Front Passenger's Seat)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	108 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
ID1	108 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)
IF1	108 (LHD)	Instrument Panel Wire and Cowl No.3 Wire (Right of the Center Airbag Sensor Assembly)
II1	110 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Surrounding of the Passenger Side J/B)
IK2	110 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
BE1	112 (LHD)	Back Door No.1 Wire and Floor No.2 Wire (Rear of the Left Side of the Roof Panel)
BG1	112 (LHD)	Back Door No.1 Wire and Back Door No.2 Wire (Left of License Plate)

: GROUND POINTS

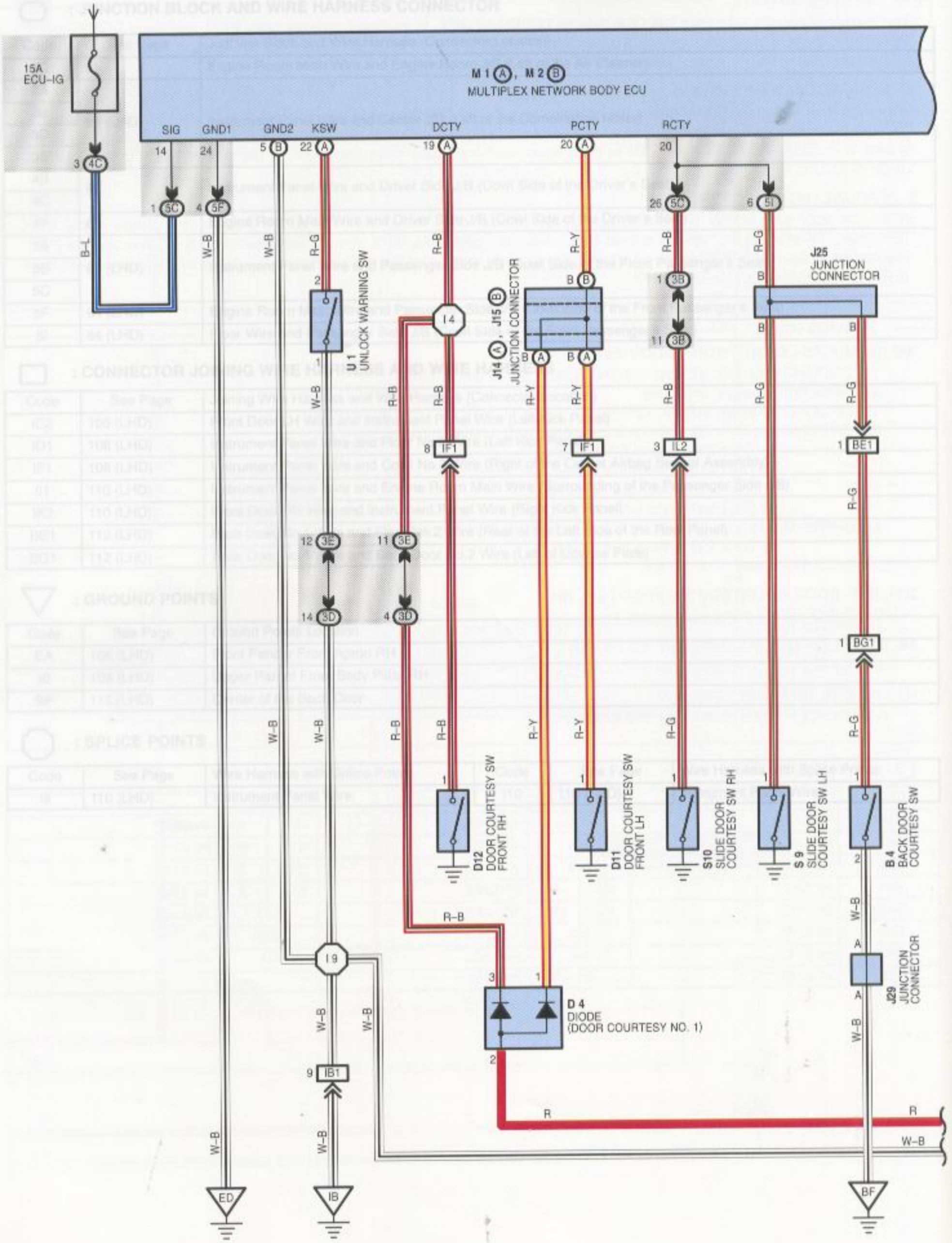
Code	See Page	Ground Points Location
EA	106 (LHD)	Front Fender Front Apron RH
IB	108 (LHD)	Upper Part of Front Body Pillar RH
BF	112 (LHD)	Center of the Back Door

: SPLICE POINTS

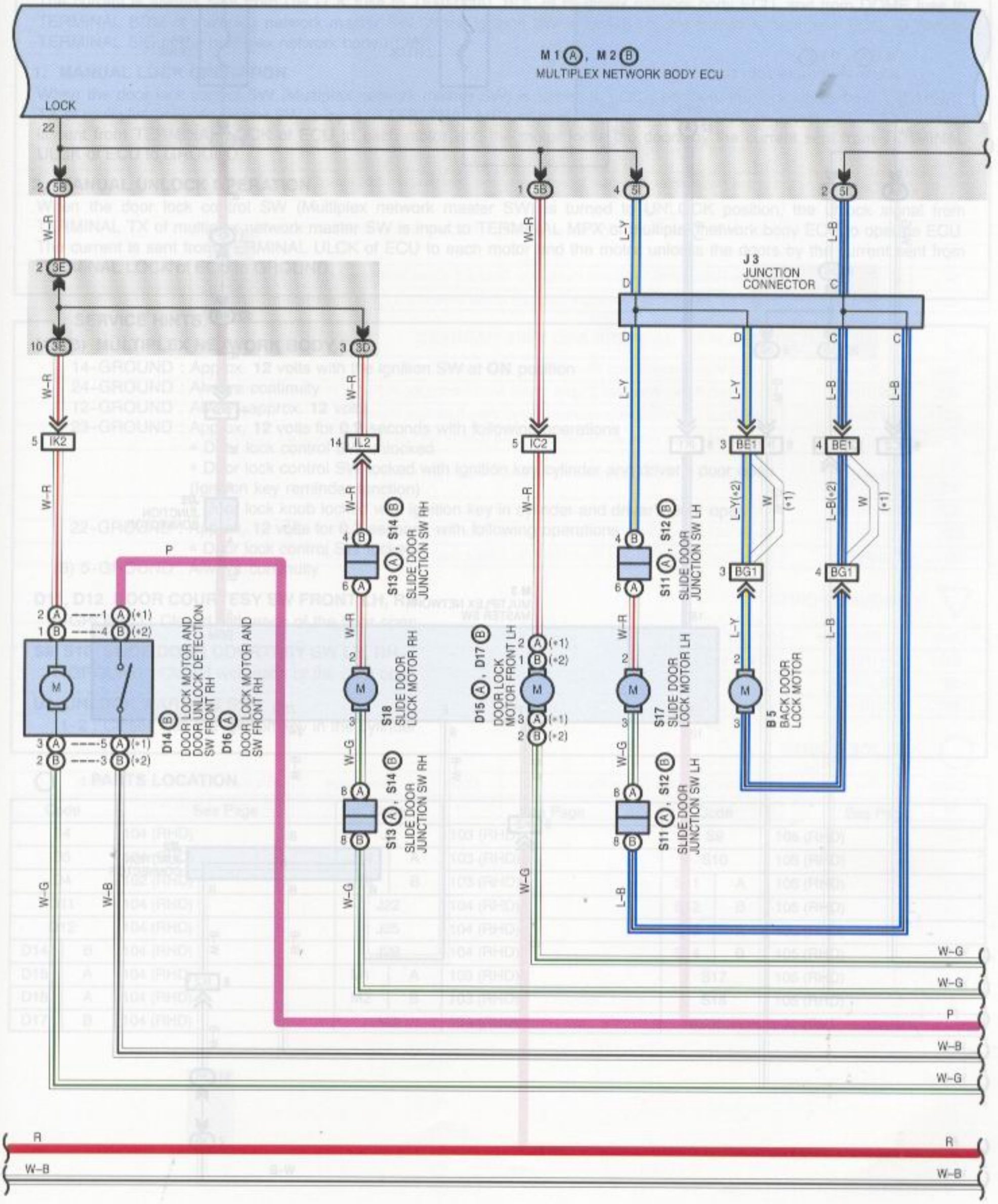
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I9	110 (LHD)	Instrument Panel Wire	I10	110 (LHD)	Instrument Panel Wire

DOOR LOCK CONTROL (RHD)

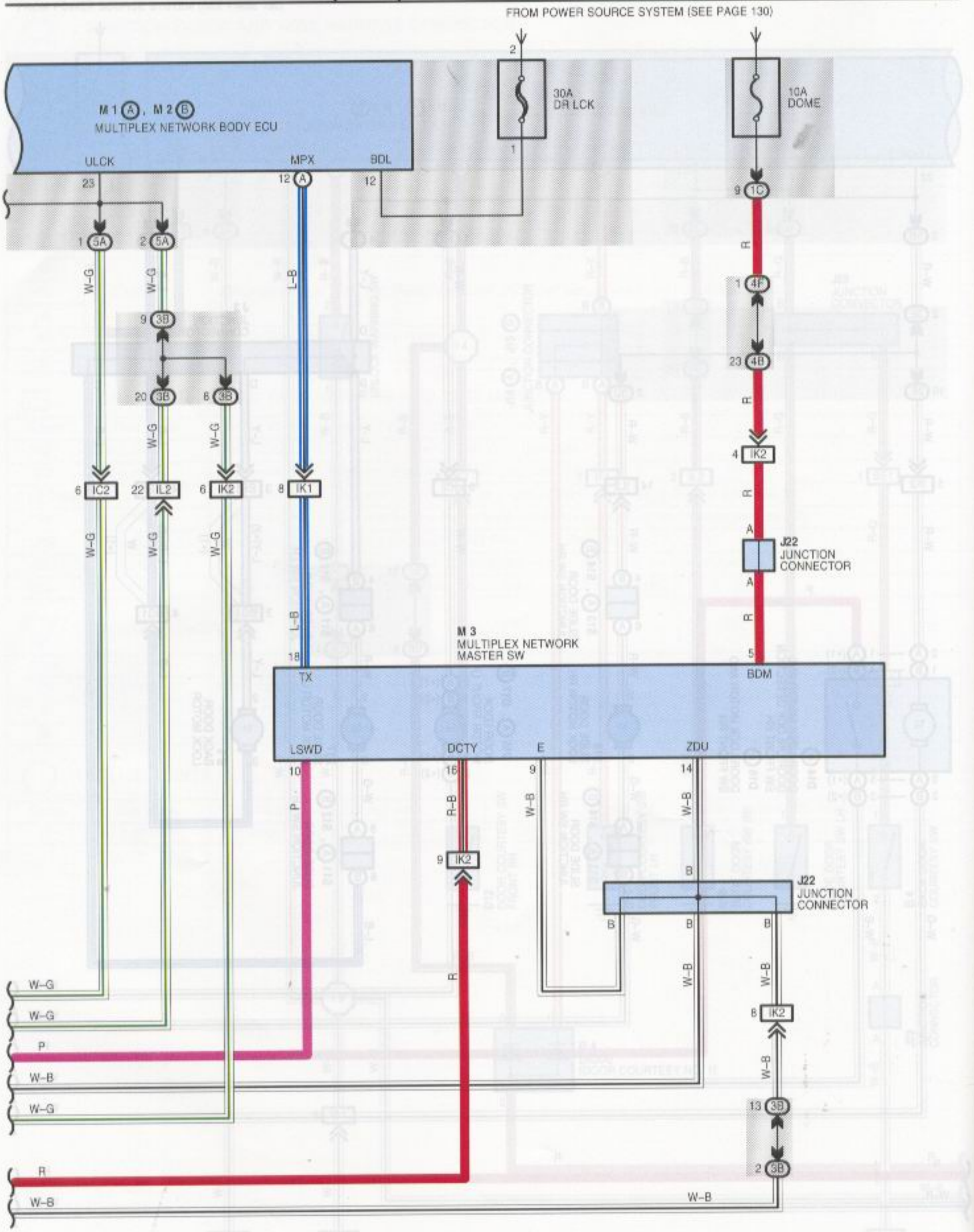
FROM POWER SOURCE SYSTEM (SEE PAGE 130)



*1 : U. K.
*2 : EXCEPT U. K.



DOOR LOCK CONTROL (RHD)



SYSTEM OUTLINE

The current is always sent from DR LCK fuse to TERMINAL BDL of multiplex network body ECU, and from DOME fuse to TERMINAL BDM of multiplex network master SW. When ignition SW is turned on, the current is sent from ECU-IG fuse to TERMINAL SIG of the multiplex network body ECU.

1. MANUAL LOCK OPERATION

When the door lock control SW (Multiplex network master SW) is turned to LOCK position, the lock signal from TERMINAL TX of multiplex network master SW is input to TERMINAL MPX of multiplex network body ECU to operate ECU. The current is sent from TERMINAL LOCK of ECU to each motor and the motor locks the doors by the current sent from TERMINAL ULCK of ECU to GROUND.

2. MANUAL UNLOCK OPERATION

When the door lock control SW (Multiplex network master SW) is turned to UNLOCK position, the unlock signal from TERMINAL TX of multiplex network master SW is input to TERMINAL MPX of multiplex network body ECU to operate ECU. The current is sent from TERMINAL ULCK of ECU to each motor and the motor unlocks the doors by the current sent from TERMINAL LOCK of ECU to GROUND.

SERVICE HINTS

M2 (B) MULTIPLEX NETWORK BODY ECU

14-GROUND : Approx. **12** volts with the ignition SW at **ON** position
24-GROUND : Always continuity
12-GROUND : Always approx. **12** volts
23-GROUND : Approx. **12** volts for **0.2** seconds with following operations
* Door lock control SW unlocked
* Door lock control SW locked with ignition key cylinder and driver's door open (Ignition key reminder function)
* Door lock knob locked with ignition key in cylinder and driver's door open

22-GROUND : Approx. **12** volts for **0.2** seconds with following operations
* Door lock control SW locked

(B) 5-GROUND : Always continuity

D11, D12 DOOR COURTESY SW FRONT LH, RH

1-GROUND : Closed with each of the door open

S9, S10 SLIDE DOOR COURTESY SW LH, RH

1-GROUND : Closed with each of the door open

U1 UNLOCK WARNING SW

1-2 : Closed with the ignition key in the cylinder

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
B4		104 (RHD)	J3		103 (RHD)	S9		105 (RHD)
B5		104 (RHD)	J14	A	103 (RHD)	S10		105 (RHD)
D4		102 (RHD)	J15	B	103 (RHD)	S11	A	105 (RHD)
D11		104 (RHD)	J22		104 (RHD)	S12	B	105 (RHD)
D12		104 (RHD)	J25		104 (RHD)	S13	A	105 (RHD)
D14	B	104 (RHD)	J29		104 (RHD)	S14	B	105 (RHD)
D15	A	104 (RHD)	M1	A	103 (RHD)	S17		105 (RHD)
D16	A	104 (RHD)	M2	B	103 (RHD)	S18		105 (RHD)
D17	B	104 (RHD)	M3		104 (RHD)	U1		103 (RHD)

DOOR LOCK CONTROL (RHD)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1C	81	Engine Room Main Wire and Engine Room J/B (Left of the Air Cleaner)
3B	88 (RHD)	Instrument Panel Wire and Center J/B (Right of the Combination Meter)
3D		
3E		
4B	82	Instrument Panel Wire and Driver Side J/B (Cowl Side of the Driver's Seat)
4C		
4F	83	Engine Room Main Wire and Driver Side J/B (Cowl Side of the Driver's Seat)
5A	86 (RHD)	Instrument Panel Wire and Passenger Side J/B (Cowl Side of the Front Passenger's Seat)
5B		
5C		
5F	86 (RHD)	Engine Room Main Wire and Passenger Side J/B (Cowl Side of the Front Passenger's Seat)
5I	86 (RHD)	Floor No.2 Wire and Passenger Side J/B (Cowl Side of the Front Passenger's Seat)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB1	116 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Upper Part of Front Body Pillar RH)
IC2	116 (RHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IF1	116 (RHD)	Instrument Panel Wire and Cowl No.3 Wire (Left of the Center Airbag Sensor Assembly)
IK1	118 (RHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IK2		
IL2	118 (RHD)	Instrument Panel Wire and Floor Wire (Right Kick Panel)
BE1	120 (RHD)	Back Door No.1 Wire and Floor No.2 Wire (Rear of the Left Side of the Roof Panel)
BG1	120 (RHD)	Back Door No.1 Wire and Back Door No.2 Wire (Left of License Plate)

: GROUND POINTS

Code	See Page	Ground Points Location
ED	114 (RHD)	Front Fender Front Apron LH
IB	116 (RHD)	Upper Part of Front Body Pillar RH
BF	120 (RHD)	Center of the Back Door

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	118 (RHD)	Instrument Panel Wire	I9	118 (RHD)	Instrument Panel Wire