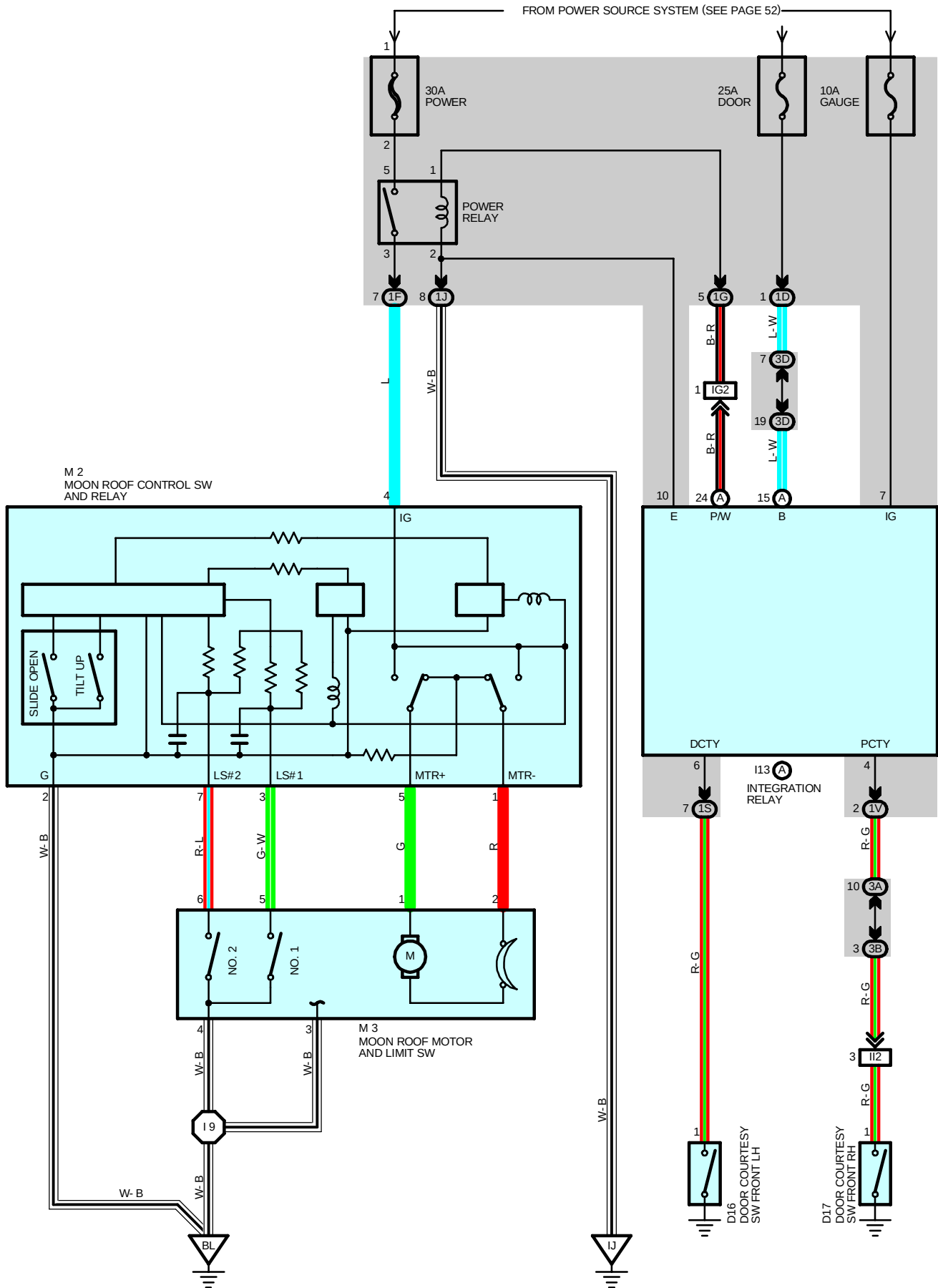


MOON ROOF



SYSTEM OUTLINE

Current is applied at all times through the POWER fuse to TERMINAL 5 of the power relay. With the ignition SW turned on, the current flows through the GAUGE fuse to TERMINAL 7 of the integration relay to TERMINAL (A) 24 to TERMINAL 1 of the power relay to TERMINAL 2 to GROUND, as a result, the power relay is activated and the current to TERMINAL 5 of the power relay flows from TERMINAL 3 to TERMINAL 4 of the moon roof control SW and relay.

1. SLIDE OPEN OPERATION

Only when the slide open switch is valid and actuated, the moon roof motor will operate continually towards the open direction of the roof panel.

Releasing and depressing again the open switch, or depressing another operation switch shall cancel this express open function. The relay shall operate the moon roof motor continually for only approx. 20 seconds per actuation.

2. SLIDE CLOSE OPERATION

Only when the tilt up switch is valid and actuated, the moon roof motor will operate towards the close direction of the roof panel.

When the moon roof reaches half position, the limit switch no. 1 is turned from on to off. Thereby signaling the moon roof control relay to stop the motor. The motor can not continue operation until the close switch is released and depressed again.

3. TILT UP OPERATION

Only when the tilt up switch is valid and actuated, the moon roof motor will operate towards the closed direction of the roof panel.

4. TILT DOWN OPERATION

Only when the slide open switch is valid and actuated, the moon roof motor will operate towards the open direction of the roof panel.

5. KEY OFF MOON ROOF OPERATION

With the ignition SW turned from on to off, the integration relay operates and the current flows from the DOOR fuse to TERMINAL (A) 15 of the integration relay to TERMINAL (A) 24 to TERMINAL 1 of the power relay to TERMINAL 2 to GROUND for about 43 seconds. In the same way as normal operation, the current flows from the POWER fuse to TERMINAL 5 of the power relay to TERMINAL 3 to TERMINAL 4 of the moon roof control SW and relay. As a result, this relay is still activated for about 43 seconds after the ignition SW is turned off, allowing the open/close operation of the moon roof. Also, by opening the front door (Door open detection SW on) within about 43 seconds after turning the ignition SW to off, a signal is input to TERMINAL 6 or 4 of the integration relay. As a result, the relay turns off and open/close movement of the moon roof stops.

SERVICE HINTS

POWER RELAY

5-3 : Closed with the ignition SW at **ON** position or key off moon roof operation

M2 MOON ROOF CONTROL SW AND RELAY

2-GROUND : Always continuity

4-GROUND : Approx. **12** volts with the ignition SW at **ON** position or key off moon roof operation



: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
D16	36	I13 A	35	M3	37
D17	36	M2	37		



: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	22	Cowl Wire and Driver Side J/B No.1 (Lower Finish Panel)
1F	22	Roof Wire and Driver Side J/B No.1 (Lower Finish Panel)
1G	22	Instrument Panel Wire and Driver Side J/B No.1 (Lower Finish Panel)
1J	22	Cowl Wire and Driver Side J/B No.1 (Lower Finish Panel)
1S	22	Floor Wire and Driver Side J/B No.1 (Lower Finish Panel)
1V	22	Cowl Wire and Driver Side J/B No.1 (Lower Finish Panel)
3A	26	Cowl Wire and J/B No.3 (Behind the Combination Meter)
3B		
3D		

MOON ROOF



: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IG2	42	Instrument Panel Wire and Cowl Wire (Behind the Combination Meter)
II2	44	Floor No.2 Wire and Cowl Wire (Right Kick Panel)



: GROUND POINTS

Code	See Page	Ground Points Location
IJ	42	Right Cowl Side Panel
BL	46	Left Side of the Roof Side Panel



: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I9	44	Cowl Wire			

