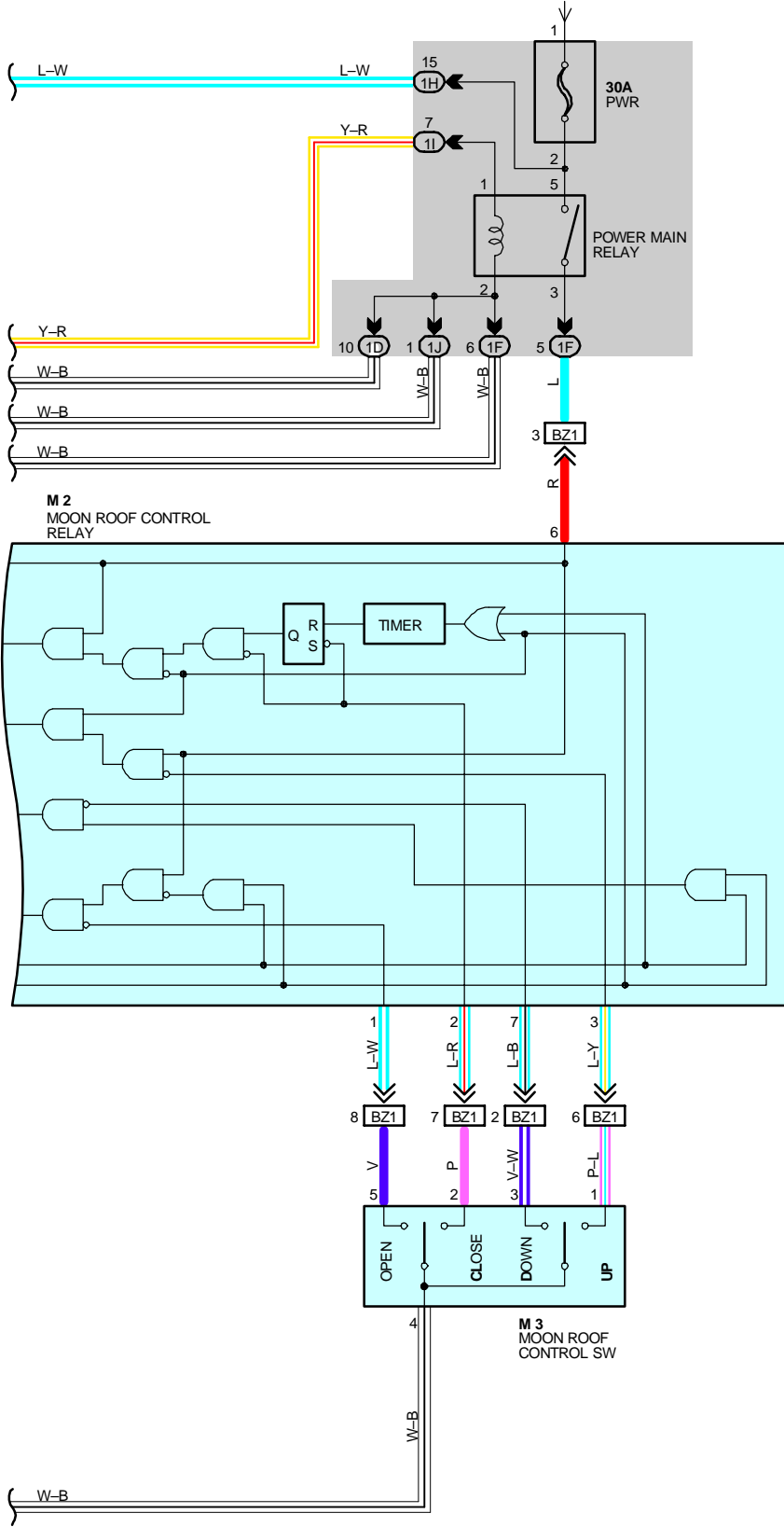


FROM POWER SOURCE SYSTEM (SEE PAGE 60)





SYSTEM OUTLINE

CURRENT IS APPLIED AT ALL TIMES THROUGH THE **PWR** FUSE TO **TERMINAL 5** OF THE POWER MAIN RELAY AND ALSO TO **TERMINAL 12** OF THE MOON ROOF CONTROL RELAY. WITH THE IGNITION SW TURNED ON, THE CURRENT FLOWS TO **TERMINAL (B)7** OF THE THEFT DETERRENT AND DOOR LOCK ECU → **TERMINAL (B) 6** → **TERMINAL 1** OF THE POWER MAIN RELAY → **TERMINAL 2** → **GROUND** THROUGH THE **ECU-IG** FUSE.

1. SLIDE OPEN OPERATION

WHEN THE IGNITION SW IS TURNED ON AND THE MOON ROOF CONTROL SW IS PUSHED TO THE **OPEN** POSITION, A SIGNAL IS INPUT FROM **TERMINAL 5** OF THE MOON ROOF CONTROL SW TO **TERMINAL 1** OF THE MOON ROOF CONTROL RELAY. MOON ROOF LIMIT SW NO.1 OR NO.2 IS ON AT THIS TIME.

WHEN THIS OCCURS, THE RELAY IS ACTIVATED AND THE CURRENT TO **TERMINAL 6** OF THE MOON ROOF CONTROL RELAY FLOWS FROM **TERMINAL 5** TO **TERMINAL 3** OF THE MOON ROOF MOTOR → **TERMINAL 1** → **TERMINAL 4** OF THE MOON ROOF CONTROL RELAY → **TERMINAL 11** → **GROUND** AND ROTATES THE MOTOR TO OPEN THE MOON ROOF WHILE THE SW IS BEING PUSHED TO **OPEN** POSITION.

2. SLIDE CLOSE OPERATION

WITH THE IGNITION SW TURNED ON, THE **MOON** ROOF COMPLETELY OPEN AND MOON ROOF LIMIT SW NO.1 AND NO.2 BOTH ON, WHEN THE MOON ROOF CONTROL SW IS PUSHED TO THE **CLOSE** POSITION A SIGNAL IS INPUT FROM **TERMINAL 2** OF THE MOON ROOF CONTROL SW TO **TERMINAL 2** OF THE MOON ROOF CONTROL RELAY. WHEN THIS OCCURS, THE RELAY IS ACTIVATED AND THE CURRENT TO **TERMINAL 6** OF THE MOON ROOF CONTROL RELAY FLOWS FROM **TERMINAL 4** TO **TERMINAL 1** OF THE MOON ROOF MOTOR → **TERMINAL 3** → **TERMINAL 5** OF THE MOON ROOF CONTROL RELAY → **TERMINAL 11** → **GROUND** AND ROTATES THE MOTOR TO CLOSE THE MOON ROOF WHILE THE SW IS BEING PUSHED TO **CLOSE** POSITION. MOON ROOF LIMIT SW NO.1 TURNS OFF (LIMIT SW NO.2 IS ON) AND AT **100MM (3.9IN)** BEFORE FULLY **CLOSED** POSITION, SIGNAL IS INPUT FROM **TERMINAL 2** OF THE LIMIT SW NO.1 TO **TERMINAL 8** OF THE MOON ROOF CONTROL RELAY. THIS SIGNAL ACTIVATES THE RELAY AND STOPS CONTINUITY FROM **TERMINAL 6** OF THE MOON ROOF CONTROL RELAY TO **TERMINAL 11**. AS A RESULT, THE MOON ROOF STOPS AT THIS POSITION. TO CLOSE THE MOON ROOF COMPLETELY, PUSHING THE MOON ROOF CONTROL SW AGAIN TO THE CLOSE SIDE CAUSES A SIGNAL TO BE INPUT AGAIN TO **TERMINAL 2** OF THE MOON ROOF CONTROL RELAY. THIS ACTIVATES THE RELAY AND THE MOON ROOF WILL CLOSE AS LONG AS THE MOON ROOF CONTROL SW IS BEING PUSHED, ALLOWING THE MOON ROOF TO FULLY CLOSE.

3. TILT UP OPERATION

WHEN THE MOON ROOF CONTROL SW IS PUSHED TO **TILT UP** POSITION, WITH THE IGNITION SW TURNED ON AND THE MOON ROOF COMPLETELY CLOSED (MOON ROOF LIGHT SW NO.2 IS OFF), A SIGNAL IS INPUT FROM **TERMINAL 1** OF THE MOON ROOF CONTROL SW TO **TERMINAL 3** OF THE MOON ROOF CONTROL RELAY. AS A RESULT, THE RELAY IS ACTIVATED AND THE CURRENT TO **TERMINAL 6** OF THE MOON ROOF CONTROL RELAY FLOWS FROM **TERMINAL 4** OF THE RELAY TO **TERMINAL 1** OF THE MOON ROOF MOTOR → **TERMINAL 3** → **TERMINAL 5** OF THE MOON ROOF CONTROL RELAY → **TERMINAL 11** → **GROUND** AND ROTATES THE MOTOR SO THAT TILT UP OPERATION OCCURS AS LONG AS THE MOON ROOF CONTROL SW IS PUSHED ON THE TILT UP SIDE.

4. TILT DOWN OPERATION

WHEN THE MOON ROOF CONTROL SW IS PUSHED TO **TILT DOWN** POSITION, WITH THE IGNITION SW TURNED ON AND THE MOON ROOF TILTED UP (NO.1 AND NO.2 MOON ROOF LIMIT SW ARE BOTH OFF), A SIGNAL IS INPUT FROM **TERMINAL 3** OF THE MOON ROOF CONTROL SW TO **TERMINAL 7** OF THE MOON ROOF CONTROL RELAY. AS A RESULT, THE RELAY IS ACTIVATED AND THE CURRENT TO **TERMINAL 6** OF THE MOON ROOF CONTROL RELAY FLOWS FROM **TERMINAL 5** OF THE RELAY TO **TERMINAL 3** OF THE MOON ROOF MOTOR → **TERMINAL 1** → **TERMINAL 4** OF THE MOON ROOF CONTROL RELAY → **TERMINAL 11** → **GROUND** AND ROTATES THE MOTOR SO THAT TILT DOWN OPERATION OCCURS AS LONG AS THE MOON ROOF CONTROL SW IS PUSHED ON THE TILT DOWN SIDE. (DURING TILT DOWN, LIMIT SW NO.1 IS CHARGED FROM OFF TO ON).

5. KEY OFF MOON ROOF OPERATION

WITH THE IGNITION SW TURNED FROM ON TO OFF, THE THEFT DETERRENT AND DOOR LOCK ECU OPERATES AND CURRENT FLOWS FROM THE **DOOR** FUSE TO **TERMINAL (A)9** OF THE ECU AND ALSO THE **DOME** FUSE TO **TERMINAL (A)1** OF THE ECU → **TERMINAL (B)6** → **TERMINAL 1** OF THE POWER MAIN RELAY → **TERMINAL 2** → **GROUND** FOR ABOUT **60** SECONDS. THE SAME AS NORMAL OPERATION, THE CURRENT FLOWS FROM **PWR** FUSE TO **TERMINAL 5** OF THE POWER MAIN RELAY → **TERMINAL 3** → **TERMINAL 6** OF THE MOON ROOF CONTROL RELAY. AS A RESULT, FOR ABOUT **60** SECONDS AFTER THE IGNITION SW IS TURNED OFF, THE FUNCTIONING OF THIS RELAY MAKES IT POSSIBLE TO OPEN AND CLOSE THE MOON ROOF. ALSO, BY OPENING THE FRONT DOOR (DOOR OPEN DETECTION SW ON) WITHIN ABOUT **60** SECONDS AFTER TURNING THE IGNITION SW TO OFF, A SIGNAL IS INPUT TO **TERMINALS (A)7** OR **(A)19** OF THEFT DETERRENT AND DOOR LOCK ECU. AS A RESULT, THE ECU TURNS OFF AND OPEN AND CLOSE MOVEMENT OF THE MOON ROOF STOPS.

SERVICE HINTS

POWER MAIN RELAY

3-5: CLOSED WITH IGNITION SW AT **ON** POSITION

M 2 MOON ROOF CONTROL RELAY

11-GROUND : ALWAYS CONTINUITY

6-GROUND : APPROX. 12 VOLTS WITH IGNITION SW AT **ON** POSITON

4-GROUND : APPROX. 12 VOLTS WITH IGNITION SW ON, AND MOON ROOF CONTROL SW AT **CLOSE** OR **UP** POSITION

(EXCEPT APPROX. 100 MM (3.941 IN) BEFORE FULLY **CLOSED** POSITION

5-GROUND :APPROX. 12 VOLTS WITH IGNITION SW ON, AND MOON ROOF CONTROL SW AT **OPEN** OR **DOWN** POSITION

M 3 MOON ROOF CONTROL SW

1-4: CLOSED WITH MOON ROOF CONTROL SW AT **UP** POSITON

2-4: CLOSED WITH MOON ROOF CONTROL SW AT **CLOSE** POSITON

3-4: CLOSED WITH MOON ROOF CONTROL SW AT **DOWN** POSITON

5-4: CLOSED WITH MOON ROOF CONTROL SW AT **OPEN** POSITON

4-GROUND : ALWAYS CONTINUITY



: PARTS LOCATION

CODE	SEE PAGE	CODE	SEE PAGE	CODE	SEE PAGE
D16	32	M 3	33	T 7	B 31
D17	32	M 4	A 33	T 8	A 31
M 2	33		B 33		



: RELAY BLOCKS

CODE	SEE PAGE	RELAY BLOCKS (RELAY BLOCK LOCATION)
2	19	R/B NO.2 (ENGINE COMPARTMENT LEFT)



: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

CODE	SEE PAGE	JUNCTION BLOCK AND WIRE HARNESS (CONNECTOR LOCATION)
1B	20	ENGINE ROOM MAIN WIRE AND J/B NO.1 (LEFT KICK PANEL)
1D	20	FRONT DOOR LH WIRE J/B NO.1 (LEFT KICK PANEL)
1F	20	ROOF WIRE AND J/B NO.1 (LEFT KICK PANEL)
1H	20	COWL WIRE AND J/B NO.1 (LEFT KICK PANEL)
1I		
1J		
1K		



: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

CODE	SEE PAGE	JOINING WIRE HARNESS AND WIRE HARNESS (CONNECTOR LOCATION)
IP1	42	FRONT DOOR RH WIRE AND COWL WIRE (RIGHT KICK PANEL)
Ie1	42	ROOF WIRE AND COWL WIRE (LEFT KICK PANEL)
BZ1	44	ROOF WIRE AND ROOF SUB WIRE (FRONT SIDE OF ROOF LEFT)



: GROUND POINTS

GROUND	SEE PAGE	GROUND POINTS LOCATION
IF	40	LEFT KICK PANEL
IJ	40	RIGHT KICK PANEL

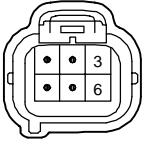


: SPLICE POINTS

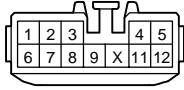
CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS	CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS
B16	44	ROOF SUB WIRE			



D16, D17 GRAY



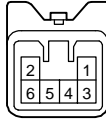
M 2



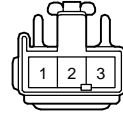
M 3



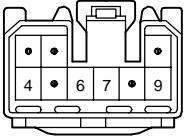
M 4 (A)



M 4 (B)



T 7 (B) ORANGE



T 8 (A) ORANGE

