



FROM POWER SOURCE SYSTEM (SEE PAGE 62)



SYSTEM OUTLINE

WITH THE IGNITION SW TURNED ON, CURRENT FLOWS TO **TERMINAL 17** OF THE FRONT WIPER AND WASHER SW, **TERMINAL 2** OF THE WASHER MOTOR AND **TERMINAL 6** OF THE FRONT WIPER MOTOR THROUGH THE **WIPER FUSE**.

1. LOW SPEED POSITION

WITH THE WIPER SW TURNED TO **LOW** POSITION, CURRENT FLOWS FROM **TERMINAL 17** OF THE FRONT WIPER AND WASHER SW TO **TERMINAL 7** → **TERMINAL 3** OF THE FRONT WIPER MOTOR → WIPER MOTOR → **TERMINAL 1** → **GROUND**, CAUSING THE WIPER MOTOR TO RUN AT LOW SPEED.

2. HIGH SPEED POSITION

WITH THE WIPER SW TURNED TO **HIGH** POSITION, CURRENT FLOWS FROM **TERMINAL 17** OF THE FRONT WIPER AND WASHER SW TO **TERMINAL 8** → **TERMINAL 2** OF THE FRONT WIPER MOTOR → WIPER MOTOR → **TERMINAL 1** → **GROUND**, CAUSING THE WIPER MOTOR TO RUN AT HIGH SPEED.

3. INT POSITION

WITH THE WIPER SW TURNED TO **INT** POSITION, THE RELAY OPERATES AND THE CURRENT WHICH IS CONNECTED BY RELAY FUNCTION FLOWS FROM **TERMINAL 17** OF THE FRONT WIPER AND WASHER SW TO **TERMINAL 2** → **GROUND**. THIS OPERATES THE INTERMITTENT CIRCUIT AND CURRENT FLOWS FROM **TERMINAL 17** OF THE FRONT WIPER AND WASHER SW → **TERMINAL 7** → **TERMINAL 3** OF THE FRONT WIPER MOTOR → WIPER MOTOR → **TERMINAL 1** → **GROUND**, AND OPERATING THE WIPER.

THE INTERMITTENT OPERATION IS CONTROLLED BY A CONDENSER'S CHARGED AND DISCHARGED FUNCTION INSTALLED IN THE RELAY, AND THE INTERMITTENT TIME IS CONTROLLED BY A TIME CONTROL SW TO CHANGE THE CHARGING TIME OF THE CONDENSER.

4. MIST POSITION

WITH THE WIPER SW TURNED TO **MIST** POSITION, CURRENT FLOWS FROM **TERMINAL 17** OF THE FRONT WIPER AND WASHER SW TO FRONT WIPER MIST SW → **TERMINAL 2** → **GROUND**, AND CURRENT FLOWS FROM **TERMINAL 17** TO **TERMINAL 7** → **TERMINAL 3** OF THE FRONT WIPER MOTOR → WIPER MOTOR → **TERMINAL 1** → **GROUND**, CAUSING THE WIPER MOTOR TO RUN AT LOW SPEED.

5. WASHER CONTINUITY OPERATION

WITH THE WASHER SW PUSHED TO ON, CURRENT FLOWS FROM **TERMINAL 2** OF THE WASHER MOTOR TO **TERMINAL 1** → **TERMINAL 11** OF THE FRONT WIPER AND WASHER SW → **TERMINAL 2** → **GROUND**, CAUSING THE WASHER MOTOR TO RUN, AND THE WINDOW WASHER EMITS A WATER SPRAY. THIS CAUSES CURRENT TO FLOW TO WASHER CONTINUITY OPERATION CIRCUIT IN **TERMINAL 17** OF THE FRONT WIPER AND WASHER SW → **TERMINAL 7** → **TERMINAL 3** OF THE FRONT WIPER MOTOR → WIPER MOTOR → **TERMINAL 1** → **GROUND**, OPERATING THE WIPER.

SERVICE HINTS

C13 FRONT WIPER AND WASHER SW [COMB. SW]

2-GROUND : ALWAYS CONTINUITY

17-GROUND : APPROX. 12 VOLTS WITH THE IGNITION SW AT **ON** POSITION

7-GROUND : APPROX. 12 VOLTS WITH WIPER AND WASHER SW AT **LOW** OR **MIST** POSITION

APPROX. 12 VOLTS 2 TO 12 SECONDS INTERMITTENTLY WITH THE WIPER AND WASHER SW AT **INT** POSITION

16-GROUND : APPROX. 12 VOLTS WITH THE IGNITION SW ON UNLESS THE WIPER MOTOR AT **STOP** POSITION

8-GROUND : APPROX. 12 VOLTS WITH THE WIPER AND WASHER SW AT **HIGH** POSITION

F7 FRONT WIPER MOTOR

6-5 : CLOSED UNLESS THE WIPER MOTOR AT **STOP** POSITION



FRONT WIPER AND WASHER

*2 :W/CRUISE CONTROL
*3 :W/O CRUISE CONTROL

: PARTS LOCATION

CODE	SEE PAGE	CODE	SEE PAGE	CODE	SEE PAGE
C13	32	J1	33	W1	29 (5S-FE), 31 (7A-FE)
F7	28 (5S-FE), 30 (7A-FE)	J9	33		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

CODE	SEE PAGE	JUNCTION BLOCK AND WIRE HARNESS (CONNECTOR LOCATION)
ID	20	INSTRUMENT PANEL WIRE AND INPANE J/B (LEFT KICK PANEL)
1A	22	ENGINE ROOM MAIN WIRE AND J/B NO. 1 (LEFT KICK PANEL)
1C	22	INSTRUMENT PANEL WIRE AND J/B NO. 1 (LEFT KICK PANEL)
1J	22	COWL WIRE AND J/B NO. 1 (LEFT KICK PANEL)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

CODE	SEE PAGE	JOINING WIRE HARNESS AND WIRE HARNESS (CONNECTOR LOCATION)
IC3	42	ENGINE ROOM MAIN WIRE AND COWL WIRE (INSIDE OF R/B NO. 4)

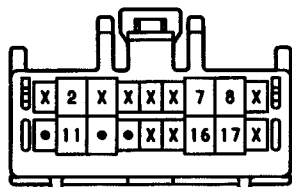
: GROUND POINTS

CODE	SEE PAGE	GROUND POINTS LOCATION
ID	42	LEFT KICK PANEL
IF	42	R/B NO. 4 SET BOLT

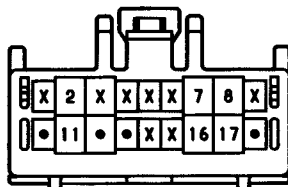
: SPLICE POINTS

CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS	CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS
E2	38 (5S-FE)	ENGINE ROOM MAIN WIRE	E2	40 (7A-FE)	ENGINE ROOM MAIN WIRE

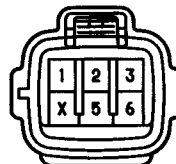
(•2) C13 BLACK



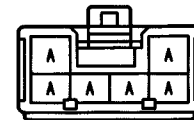
(•3) C13 BLACK



F 7 BLACK



J 1



(HINT:SEE PAGE 7)

J 9



(HINT:SEE PAGE 7)

W 1 GRAY

