



Wiring Diagram Details:

- Power Source:** 20A WIPER fuse (F11) connected to terminal 1.
- Relays and Switches:**
 - R18 REAR WIPER MOTOR:** Connected to terminal 1 (+1) and terminal 4 (S).
 - R19 REAR WIPER RELAY:** Controls the wiper motor. Terminal 1 (+B) is connected to terminal 2 (L-R) and terminal 3 (L-W).
 - C15 REAR WIPER AND WASHER SW [COMB. SW]:** A combined switch for washer and wiper control.
- Washer System:**
 - W1 WASHER CHANGE VALVE:** Connected to terminal 1 (L) and terminal 2 (L-O).
 - W2 WASHER MOTOR:** Connected to terminal 1 (L) and terminal 2 (L-O).
 - D12 DIODE (REAR WASHER):** Connected to terminal 1 (L) and terminal 2 (L-O).
- Truth Table for C15:**

	WR	C1R	+1R	EW
WASHER2	ON	OFF	OFF	ON
OFF	OFF	OFF	OFF	OFF
INT	OFF	ON	ON	ON
ON	OFF	OFF	ON	ON
WASHER1	ON	OFF	ON	ON
- Junction Connector (J7):** Connects the system to the vehicle's electrical system.

SYSTEM OUTLINE

WHEN THE IGNITION SW IS TURNED ON, CURRENT FLOWS TO **TERMINAL 2** OF THE WASHER MOTOR, **TERMINAL 1** OF THE WASHER CHANGE VALVE, **TERMINAL 1** OF THE REAR WIPER RELAY AND **TERMINAL 1** OF THE REAR WIPER MOTOR FROM THE **WIPER FUSE**.

1. REAR WIPER NORMAL OPERATION

WITH THE IGNITION SW TURNED ON AND THE REAR WIPER AND WASHER SW TURNED ON, THE CURRENT FROM **TERMINAL 1** OF THE REAR WIPER RELAY FLOWS TO **TERMINAL 6** OF THE RELAY → **TERMINAL 1** OF THE REAR WIPER AND WASHER SW → **TERMINAL 16** → **GROUND**. THUS, THE RELAY COIL IS ACTIVATED, AND THE CURRENT FROM **TERMINAL 1** OF THE RELAY FLOWS TO **TERMINAL 3** → **TERMINAL 3** OF THE REAR WIPER MOTOR → **TERMINAL 2** → **GROUND**, CAUSING THE MOTOR TO ROTATE TO OPERATE THE REAR WIPER.

2. REAR WIPER INTERMITTENT OPERATION

WITH THE IGNITION SW TURNED ON AND THE REAR WIPER AND WASHER SW TURNED TO **INT** POSITION, THE CURRENT FROM **TERMINAL 1** OF THE REAR WIPER RELAY FLOWS TO **TERMINAL 4** OF THE RELAY → **TERMINAL 10** OF THE REAR WIPER AND WASHER SW → **TERMINAL 16** → **GROUND**. AS A RESULT, THE RELAY OPERATES FOR APPROX. **6 – 10 SEC.**, AND THE CURRENT FLOWS FROM **TERMINAL 1** OF THE REAR WIPER RELAY TO **TERMINAL 3** → **TERMINAL 3** OF THE REAR WIPER MOTOR → **TERMINAL 2** → **GROUND**, CAUSING THE MOTOR TO ROTATE TO OPERATE THE REAR WIPER. AT THIS TIME, THE CONTACT IN THE WIPER MOTOR CLOSES, AND THE CURRENT FLOWS FROM **TERMINAL 1** OF THE REAR WIPER MOTOR TO **TERMINAL 4** → **TERMINAL 2** OF THE REAR WIPER RELAY → **TERMINAL 3** → **TERMINAL 3** OF THE REAR WIPER MOTOR → **TERMINAL 2** → **GROUND**.

THUS, THE INTERMITTENT-STOP CIRCUIT OPERATES, THE CONDENSER IN THE CIRCUIT CHARGES AND THE WIPER CONTINUES TO OPERATE UNTIL REACHING THE **STOP** POSITION. AFTER THE WIPER STOPS, THE CURRENT DOES NOT FLOW TO THE INTERMITTENT-STOP CIRCUIT FROM **TERMINAL 2** OF THE RELAY, BUT THE CONDENSER DISCHARGES THE CURRENT INTO THE INTERMITTENT CIRCUIT AND THE CIRCUIT OPERATES UNTIL THE CONDENSER DISCHARGE ENDS. AS A RESULT, THIS DISCHARGE INTERVAL BECOMES THE INTERMITTENT TIME.

WHEN THE CURRENT IS DISCHARGED COMPLETELY, THE CURRENT FROM **TERMINAL 1** OF THE RELAY FLOWS TO **TERMINAL 4** → **TERMINAL 10** OF THE REAR WIPER AND WASHER SW → **TERMINAL 16** → **GROUND**.

THEN THE CURRENT FROM **TERMINAL 1** OF THE RELAY FLOWS TO **TERMINAL 3** → **TERMINAL 3** OF THE REAR WIPER MOTOR → **TERMINAL 2** → **GROUND**, ROTATING THE MOTOR. ACCORDING TO REPETITION OF THIS PROCESS, INTERMITTENT OPERATION OF THE REAR WIPER OCCURS.

3. WASHER OPERATION

WITH THE IGNITION SW TURNED ON AND THE REAR WIPER AND WASHER SW TURNED TO **ON** OR **INT** POSITION, WHEN THE WIPER SW IS PUSHED STRONGLY TOWARD THE **ON** OR **INT** SIDE, THE CURRENT FROM **TERMINAL 2** OF THE WASHER MOTOR FLOWS TO **TERMINAL 1** OF THE MOTOR → **TERMINAL 2** OF THE REAR WIPER AND WASHER SW → **TERMINAL 16** → **GROUND**, SO THAT THE WASHER MOTOR ROTATES AND THE WINDOW WASHER EMITS A WATER SPRAY, ONLY WHILE THE WIPER SW IS PRESSED. AT THE SAME TIME, THE WASHER CHANGE VALVE OPERATES.

WHEN THE CURRENT FLOWS TO THE WASHER CHANGE VALVE, THE WASHER CHANGE VALVE IS ACTIVATED AND WASHER EMITS A WATER SPRAY ON THE REAR WINDOW.

SERVICE HINTS

W2 WASHER MOTOR

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

1-GROUND : CONTINUITY WITH THE WASHER SW TURNED ON

R19 REAR WIPER RELAY

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

4-GROUND : CONTINUITY WITH THE REAR WIPER SW AT **INT** POSITION

6-GROUND : CONTINUITY WITH THE REAR WIPER SW AT **ON** POSITION



REAR WIPER AND WASHER

○ : PARTS LOCATION

CODE	SEE PAGE	CODE	SEE PAGE	CODE	SEE PAGE
C15	24	J 7	25	W 1	23
D12	24	R18	27	W 2	23
F11	25	R19	27		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

CODE	SEE PAGE	JOINING WIRE HARNESS AND WIRE HARNESS (CONNECTOR LOCATION)
EA4	30	COWL WIRE AND ENGINE ROOM MAIN WIRE (RIGHT FENDER)
IG1	32	COWL WIRE AND FLOOR WIRE (LEFT KICK PANEL)
BV1	36	LUGGAGE ROOM NO. 1 WIRE AND FLOOR WIRE (LEFT QUARTER PANEL INNER)
BV2		
BW1	36	BACK DOOR NO. 1 WIRE AND LUGGAGE ROOM NO. 1 WIRE (LEFT REAR SIDE OF ROOF)
BW2		
BX1	38	BACK DOOR NO. 1 WIRE AND BACK DOOR NO. 2 WIRE (BACK DOOR LEFT)
BX2		

▽ : GROUND POINTS

CODE	SEE PAGE	GROUND POINTS LOCATION
ID	32	LEFT KICK PANEL
BF	36	UNDER THE CENTER CONSOLE BOX

○ : SPLICE POINTS

CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS	CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS
I 2	34	COWL WIRE	I13	34	COWL WIRE
I 8			I21		

