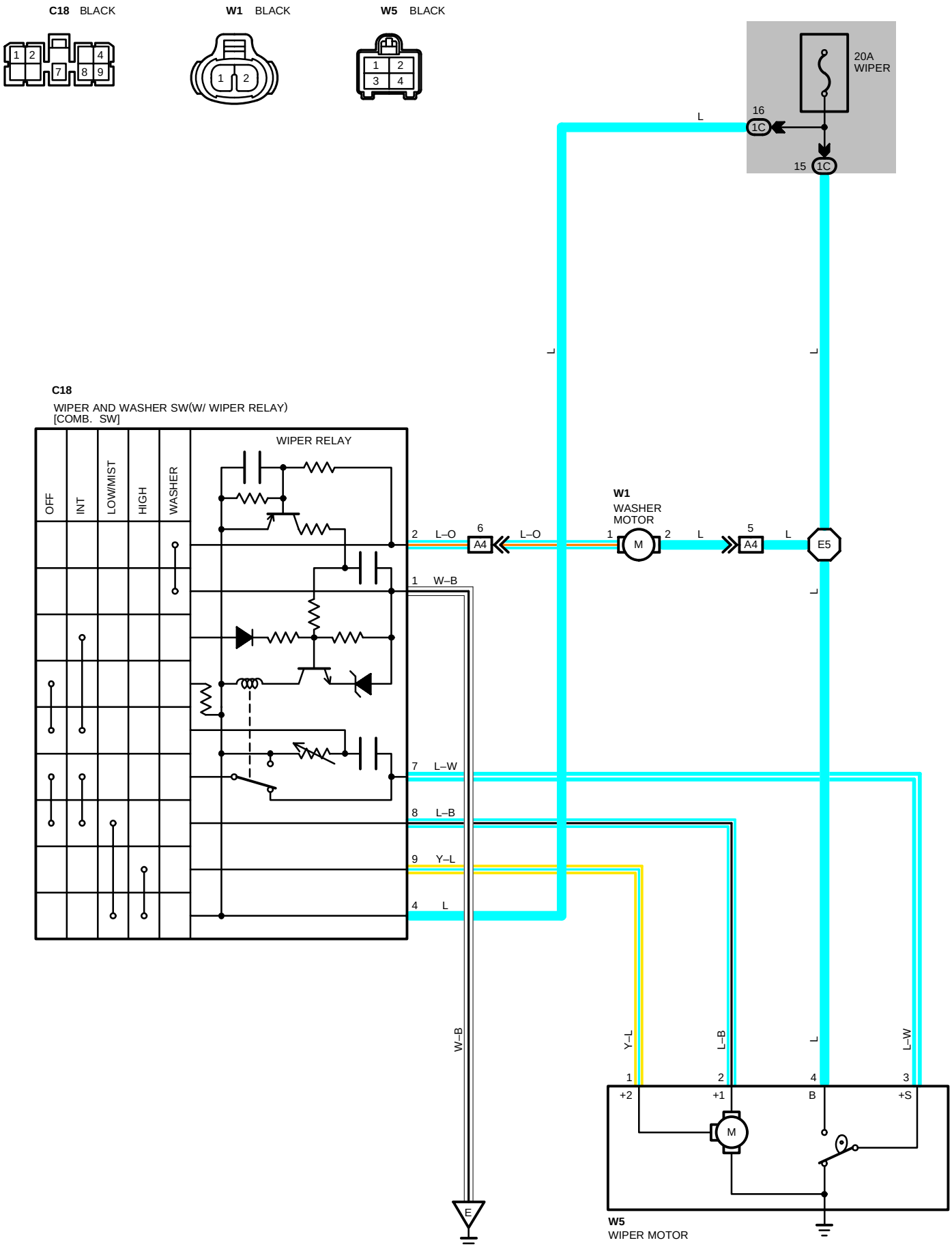
FRONT WIPER AND WASHER



SYSTEM OUTLINE

WITH THE IGNITION SW TURNED ON, THE CURRENT FLOWS TO TERMINAL 4 OF THE WIPER AND WASHER SW, TERMINAL 2 OF THE WASHER MOTOR AND TERMINAL 4 OF THE WIPER MOTOR THROUGH THE WIPER FUSE.

1. LOW SPEED POSITION

WITH WIPER SW TURNED TO LOW POSITION, THE CURRENT FLOWS FROM TERMINAL 4 OF THE WIPER AND WASHER SW → TERMINAL 8 → TERMINAL 2 OF THE WIPER MOTOR → WIPER MOTOR → TO GROUND AND CAUSES TO THE WIPER MOTOR TO RUN AT LOW SPEED.

2. HIGH SPEED POSITION

WITH WIPER SW TURNED TO HIGH POSITION, THE CURRENT FLOWS FROM TERMINAL 4 OF THE WIPER AND WASHER SW → TERMINAL 9 → TERMINAL 1 OF THE WIPER MOTOR → WIPER MOTOR → TO GROUND AND CAUSES THE MOTOR TO RUN AT HIGH SPEED.

3. INT POSITION (W/ INT SW)

WITH WIPER SW TURNED TO INT POSITION, THE RELAY OPERATES AND THE CURRENT WHICH IS CONNECTED BY RELAY FUNCTION FLOWS FROM TERMINAL 4 OF THE WIPER AND WASHER SW → TERMINAL 1 → TO GROUND. THIS FLOW OF CURRENT OPERATES THE INTERMITTENT CIRCUIT AND THE CURRENT FLOWS FROM TERMINAL 4 OF THE WIPER AND WASHER SW → TERMINAL 8 → TERMINAL 2 OF THE WIPER MOTOR → TO GROUND AND THE WIPER FUNCTIONS.

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

4. MIST POSITION (W/ MIST SW)

WITH WIPER SW TURNED TO MIST POSITION, THE CURRENT FLOWS FROM TERMINAL 4 OF THE WIPER AND WASHER SW → TERMINAL 8 → TERMINAL 2 OF THE WIPER MOTOR → WIPER MOTOR → TO GROUND AND CAUSES THE WIPER MOTOR TO RUN AT LOW SPEED.

5. WASHER CONTINUOUS OPERATION

WITH WASHER SW TURNED TO ON, THE CURRENT FLOWS FROM TERMINAL 2 OF THE WASHER MOTOR → TERMINAL 1 → TERMINAL 2 OF THE WIPER AND WASHER SW → TERMINAL 1 → TO GROUND AND CAUSES TO THE WASHER MOTOR TO RUN. AND WINDOW WASHER TO JET.

THIS CAUSES THE CURRENT TO FLOW TO WASHER CONTINUOUS OPERATION CIRCUIT (W/ INT SW) IN TERMINAL 4 OF THE WIPER AND WASHER SW → TERMINAL 8 → TERMINAL 2 OF THE WIPER MOTOR → TO GROUND AND THE WIPER FUNCTIONS.

SERVICE HINTS

C18 WIPER AND WASHER SW

1–GROUND : ALWAYS CONTINUITY
4–GROUND : APPROX. **12** VOLTS WITH IGNITION SW AT **ON** POSITION
8–GROUND : APPROX. **12** VOLTS WITH WIPER AND WASHER SW AT **LOW** OR **MIST** POSITION
APPROX. **12** VOLTS EVERY **3** TO **12** SECONDS INTERMITTENTLY WITH WIPER SW AT **INT** POSITION
7–GROUND : APPROX. **12** VOLTS WITH IGNITION SW ON UNLESS WIPER MOTOR AT **STOP** POSITION
9–GROUND : APPROX. **12** VOLTS WITH WIPER AND WASHER SW AT **HIGH** POSITION
2–1 : CONTINUITY WITH WASHER SW ON

W5 WIPER MOTOR

3–4 : CLOSED UNLESS WIPER MOTOR AT **STOP** POSITION

: PARTS LOCATION

CODE	SEE PAGE	CODE	SEE PAGE	CODE	SEE PAGE
C18	24	**W1**	21 (3VZ–E), 22 (22R–E), 23 (22R)	**W5**	21 (3VZ–E), 22 (22R–E), 23 (22R)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

CODE	SEE PAGE	JUNCTION BLOCK AND WIRE HARNESS (CONNECTOR LOCATION)
1C	18	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)
A4	26 (3VZ–E)	COWL WIRE AND ENGINE ROOM MAIN WIRE (R/B NO.2)
	28 (22R–E)	
	30 (22R)	

: GROUND POINTS

CODE	SEE PAGE	GROUND POINTS LOCATION
E	32	LEFT KICK PANEL

: SPLICE POINTS

CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS
E5	26 (3VZ–E)	COWL WIRE
	28 (22–RE)	
	30 (22R)	