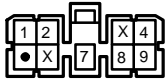


WIPER AND WASHER

C13 BLACK



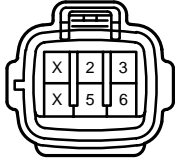
W 2 BLACK



W 1 BLACK

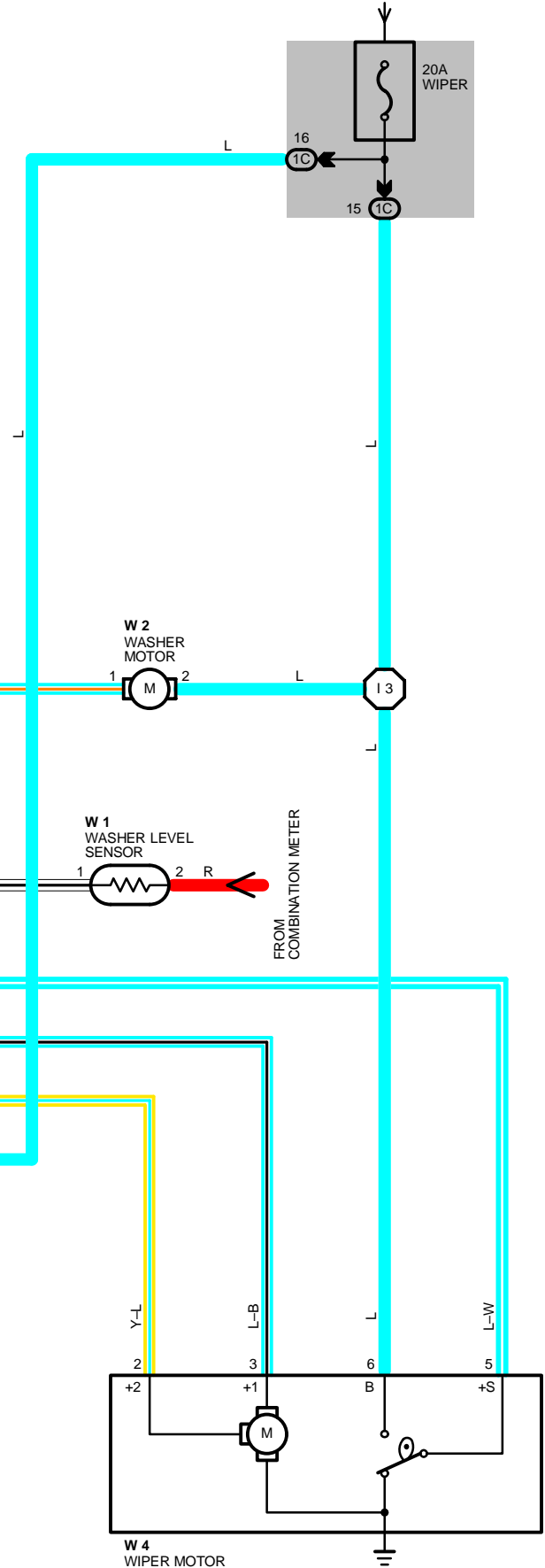
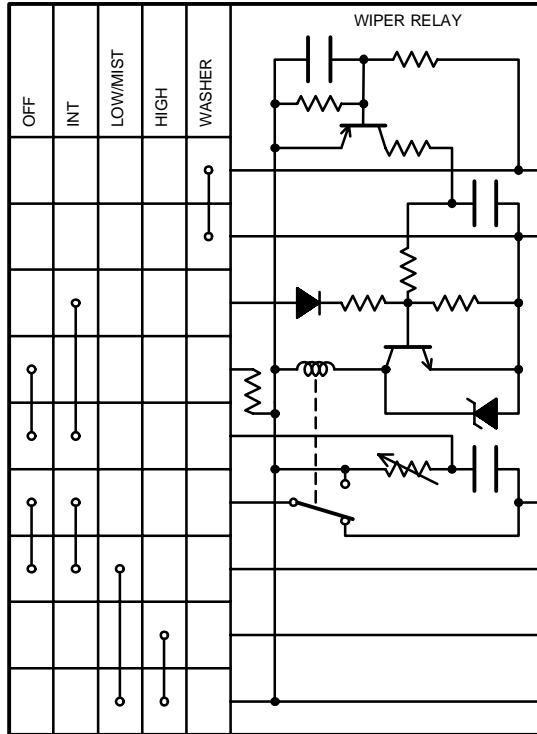


W 4 BLACK



FROM POWER SOURCE SYSTEM (SEE PAGE 42)

C13
WIPER AND WASHER SW(W/ WIPER RELAY)
[COMB. SW]



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 6** 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 3** 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 2** OF THE WIPER MOTOR → WIPER MOTOR → TO **GROUND** AND CAUSES TO 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 3** 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 3** 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 3** OF THE WIPER MOTOR → TO **GROUND** AND THE WIPER FUNCTIONS.

SERVICE HINTS

C13 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

W 4 WIPER MOTOR

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



: PARTS LOCATION

CODE	SEE PAGE	CODE	SEE PAGE	CODE	SEE PAGE
C13	24	W 2	23		
W 1	23	W 4	23		



: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

CODE	SEE PAGE	JUNCTION BLOCK AND WIRE HARNESS (CONNECTOR LOCATION)
1C	20	COWL WIRE AND J/B NO. 1 (LEFT KICK PANEL)



: GROUND POINTS

CODE	SEE PAGE	GROUND POINTS LOCATION
IE	28	LEFT KICK PANEL



: SPLICE POINTS

CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS	CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS
I 3	28	COWL WIRE	I 4	28	COWL WIRE