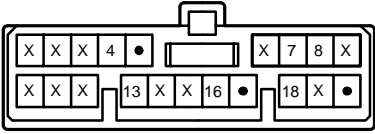


FRONT WIPER AND WASHER

C21 BLACK



D16 GRAY



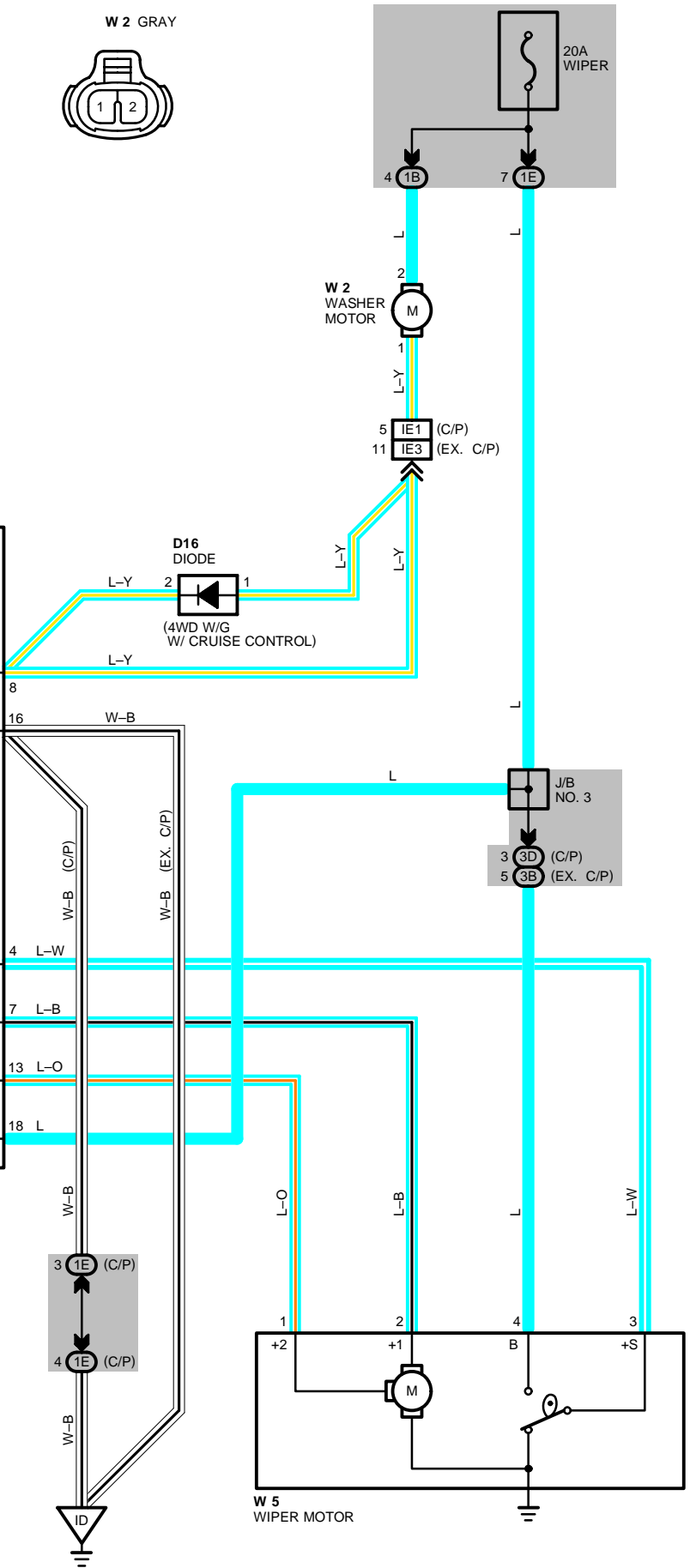
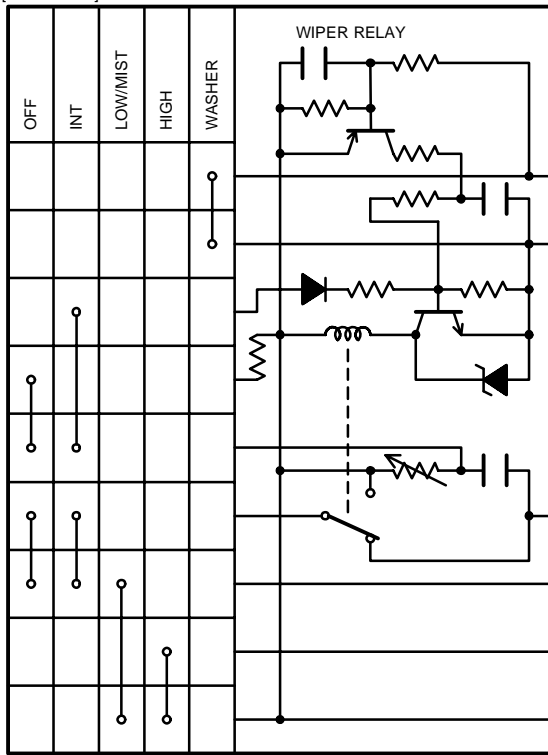
W 2 GRAY



W 5 BLACK



C21
WIPER AND WASHER SW(W/ WIPER RELAY)
[COMB. SW]



SYSTEM OUTLINE

WITH THE IGNITION SW TURNED ON, THE CURRENT FLOWS TO **TERMINAL 18** 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 18** OF THE WIPER AND WASHER SW → **TERMINAL 7** → **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 18** OF THE WIPER AND WASHER SW → **TERMINAL 13** → **TERMINAL 1** OF THE WIPER MOTOR → WIPER MOTOR → TO **GROUND** AND CAUSES TO THE WIPER 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 18** OF THE WIPER AND WASHER SW → **TERMINAL 16** → TO **GROUND**. THIS FLOW OF CURRENT OPERATES THE INTERMITTENT CIRCUIT AND THE CURRENT FLOWS FROM **TERMINAL 18** OF THE WIPER AND WASHER SW → **TERMINAL 7** → **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 18** OF THE WIPER AND WASHER SW → **TERMINAL 7** → **TERMINAL 2** OF THE WIPER MOTOR → WIPER MOTOR → TO **GROUND** AND CAUSES TO THE WIPER MOTOR TO RUN AT LOW SPEED.

5. WASHER CONTINUOUS OPERATION (W/ INT CONTROL)

WITH WASHER SW TURNED TO ON, THE CURRENT FLOWS FROM **TERMINAL 2** OF THE WASHER MOTOR → **TERMINAL 1** → **TERMINAL 8** OF THE WIPER AND WASHER SW → **TERMINAL 16** → 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 18** OF THE WIPER AND WASHER SW → **TERMINAL 7** → **TERMINAL 2** OF THE WIPER MOTOR → TO **GROUND** AND THE WIPER FUNCTION.

6. WASHER OPERATION (W/O INT CONTROL)

WITH THE WASHER SW TURNED TO ON, THE CURRENT FLOWS FROM **TERMINAL 2** OF THE WASHER MOTOR → **TERMINAL 1** → **TERMINAL 8** OF THE WIPER AND WASHER SW → **TERMINAL 16** → TO **GROUND** AND CAUSES THE WASHER MOTOR TO RUN AND THE WINDOW WASHER JET OPERATES ONLY WHILE THE WASHER SW IS PRESSED.

SERVICE HINTS

C21 WIPER SW

16-GROUND: ALWAYS CONTINUITY.

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

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

: APPROX. 12 VOLTS EVERY 4 TO 10 SECONDS INTERMITTENTLY WITH WIPER SW AT **INT** POSITION.

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

13-GROUND: APPROX. 12 VOLTS IGNITION SW ON AND AFTER WIPER SW OFF UNTIL WIPER MOTOR STOPS.

W 5 WIPER MOTOR

3-4 : CLOSED UNLESS WIPER MOTOR AT **STOP** POSITION.

○ : PARTS LOCATION

CODE	SEE PAGE	CODE	SEE PAGE	CODE	SEE PAGE
C21	26 (FWD S/D, W/G), 27 (4WD), 28 (C/P)	W 2	24 (4A-GE), 25 (4A-FE)		
D16	26 (FWD S/D, W/G), 27 (4WD)	W 5	24 (4A-GE), 25 (4A-FE)		

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

CODE	SEE PAGE	JUNCTION BLOCK AND WIRE HARNESS (CONNECTOR LOCATION)
1B	18	ENGINE ROOM MAIN WIRE AND J/B NO. 1 (LEFT KICK PANEL)
1E	18	COWL WIRE AND J/B NO. 1 (LEFT KICK PANEL)
3B	22	COWL WIRE AND J/B NO. 3 (INSTRUMENT PANEL LEFT)
3D		

FRONT WIPER AND WASHER

 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

CODE	SEE PAGE	JOINING WIRE HARNESS AND WIRE HARNESS (CONNECTOR LOCATION)
IE1	34 (4A-GE)	ENGINE ROOM MAIN WIRE AND COWL WIRE (LEFT KICK PANEL)
	36 (4A-FE)	
IE3	36 (4A-FE)	

 : GROUND POINTS

CODE	SEE PAGE	GROUND POINTS LOCATION
ID	38 (C/P)	LEFT KICK PANEL
	40 (FWD S/D, W/G)	
	42 (4WD)	