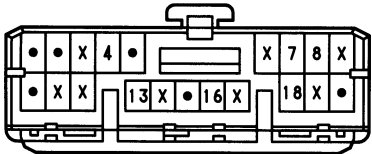


# FRONT WIPER AND WASHER

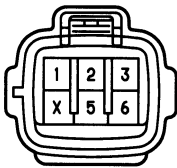
C15 BLACK



D 6 GRAY



F 3 GRAY



F11

(SEE PAGE 20)

J 7 BLUE



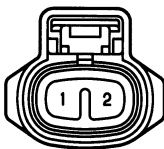
(HINT:SEE PAGE 7)

J 8 BLUE



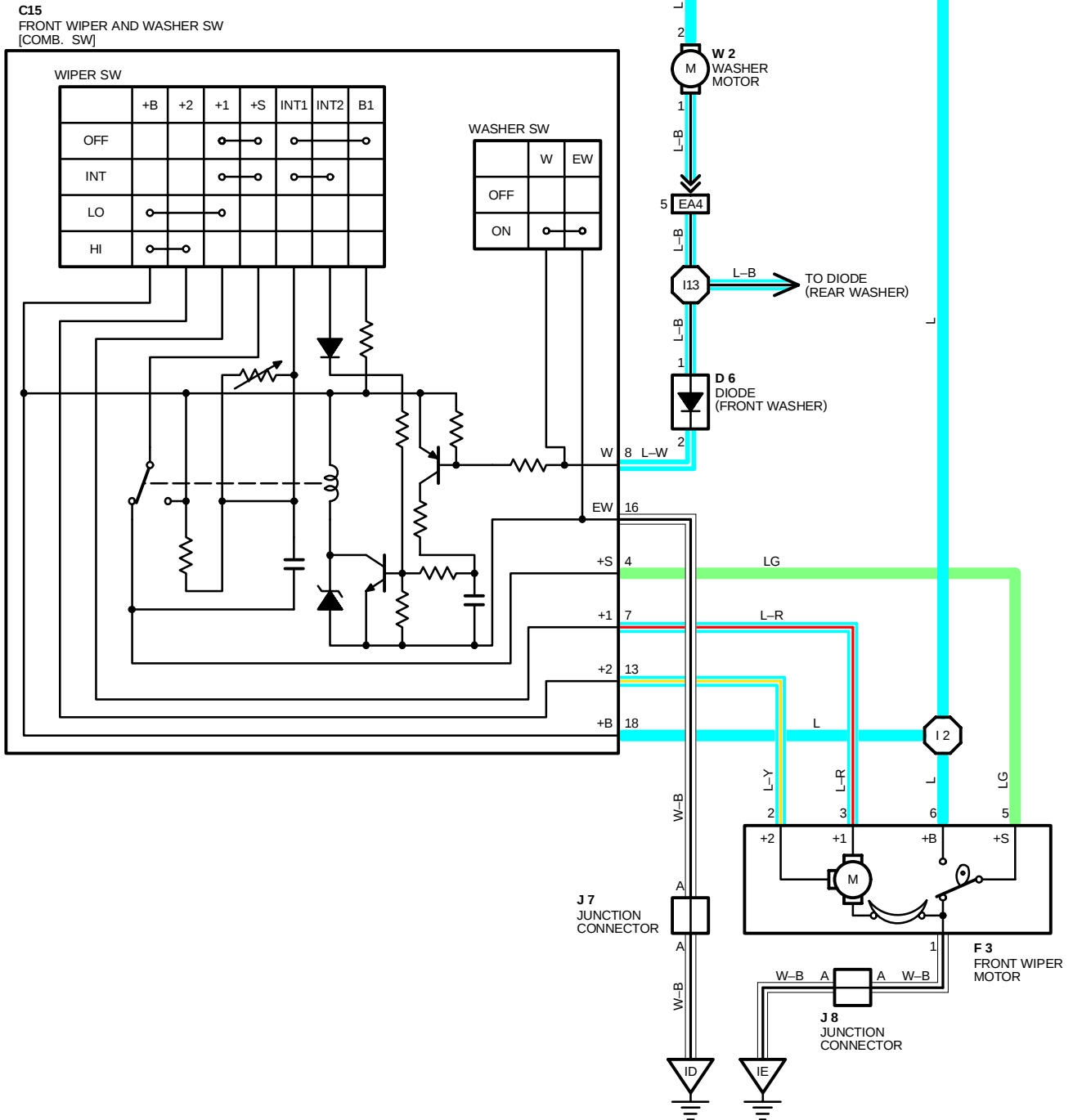
(HINT:SEE PAGE 7)

W 2 BLACK



## FRONT WIPER AND WASHER

FROM POWER SOURCE SYSTEM (SEE PAGE 52)



## SYSTEM OUTLINE

WITH THE IGNITION SW TURNED ON, THE CURRENT FLOWS TO **TERMINAL 18** OF THE FRONT WIPER AND WASHER SW, **TERMINAL 2** OF THE WASHER MOTOR AND **TERMINAL 6** OF THE FRONT WIPER MOTOR FROM THE **WIPER FUSE**.

### 1. LOW SPEED POSITION

WITH THE WIPER SW TURNED TO **LO** POSITION, THE CURRENT FLOWS FROM **TERMINAL 18** OF THE FRONT WIPER AND WASHER SW TO **TERMINAL 7** → **TERMINAL 3** OF THE FRONT WIPER MOTOR → **TERMINAL 1** → **GROUND**, CAUSING THE WIPER MOTOR TO RUN AT LOW SPEED.

### 2. HIGH SPEED POSITION

WITH THE WIPER SW TURNED TO **HI** POSITION, THE CURRENT FLOWS FROM **TERMINAL 18** OF THE FRONT WIPER AND WASHER SW TO **TERMINAL 13** → **TERMINAL 2** OF THE FRONT 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 18** OF THE FRONT WIPER AND WASHER SW TO **TERMINAL 16** → **GROUND**. THIS FLOW OF THE CURRENT OPERATES THE INTERMITTENT CIRCUIT AND THE CURRENT FLOWS FROM **TERMINAL 18** OF THE FRONT WIPER AND WASHER SW TO **TERMINAL 7** → **TERMINAL 3** OF THE FRONT WIPER MOTOR → **TERMINAL 1** → **GROUND** AND FUNCTIONS.

THE INTERMITTENT OPERATION IS CONTROLLED BY A CONDENSER'S CHARGED AND DISCHARGED FUNCTION INSTALLED IN RELAY.

### 4. WASHER CONTINUOUS OPERATION

WITH THE WASHER SW TURNED TO ON, THE CURRENT FLOWS THROUGH **TERMINAL 2** OF THE WASHES MOTOR TO **TERMINAL 1** → **TERMINAL 8** OF THE FRONT WIPER AND WASHER SW → **TERMINAL 16** → **GROUND**, CAUSING THE WASHER MOTOR TO RUN, AND WINDOW WASHER EMITS A WATER SPRAY. THIS CAUSES THE CURRENT TO FLOW TO **TERMINAL 18** OF THE FRONT WIPER AND WASHER SW → **TERMINAL 7** → **TERMINAL 3** OF THE FRONT WIPER MOTOR → **TERMINAL 1** → **GROUND**.

WHILE THE WASHER SW IS ON, WINDOW WASHER KEEPS EMITTING SPRAYS AND FRONT WIPER KEEPS FUNCTIONING.

## SERVICE HINTS

### C15 FRONT WIPER AND WASHER SW (COMB. SW)

16-GROUND : ALWAYS CONTINUITY

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

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

APPROX. 12 VOLTS EVERY APPROX. 1 TO 10 SECONDS INTERMITTENTLY WITH THE WIPER SW AT **INT** POSITION

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

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

### F 3 FRONT WIPER MOTOR

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



## : PARTS LOCATION

| CODE       | SEE PAGE           | CODE       | SEE PAGE           | CODE       | SEE PAGE           |
|------------|--------------------|------------|--------------------|------------|--------------------|
| <b>C15</b> | <a href="#">24</a> | <b>F11</b> | <a href="#">25</a> | <b>W 2</b> | <a href="#">23</a> |
| <b>D 6</b> | <a href="#">24</a> | <b>J 7</b> | <a href="#">25</a> |            |                    |
| <b>F 3</b> | <a href="#">22</a> | <b>J 8</b> | <a href="#">25</a> |            |                    |



## : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

| CODE       | SEE PAGE           | JOINING WIRE HARNESS AND WIRE HARNESS (CONNECTOR LOCATION) |
|------------|--------------------|------------------------------------------------------------|
| <b>EA4</b> | <a href="#">30</a> | COWL WIRE AND ENGINE ROOM MAIN WIRE (RIGHT FENDER)         |



## : GROUND POINTS

| CODE      | SEE PAGE           | GROUND POINTS LOCATION |
|-----------|--------------------|------------------------|
| <b>ID</b> | <a href="#">32</a> | LEFT KICK PANEL        |
| <b>IE</b> | <a href="#">32</a> | RIGHT KICK PANEL       |



## : SPLICE POINTS

| CODE       | SEE PAGE           | WIRE HARNESS WITH SPLICE POINTS | CODE       | SEE PAGE           | WIRE HARNESS WITH SPLICE POINTS |
|------------|--------------------|---------------------------------|------------|--------------------|---------------------------------|
| <b>I 2</b> | <a href="#">32</a> | COWL WIRE                       | <b>I15</b> | <a href="#">32</a> | COWL WIRE                       |
| <b>I13</b> |                    |                                 |            |                    |                                 |