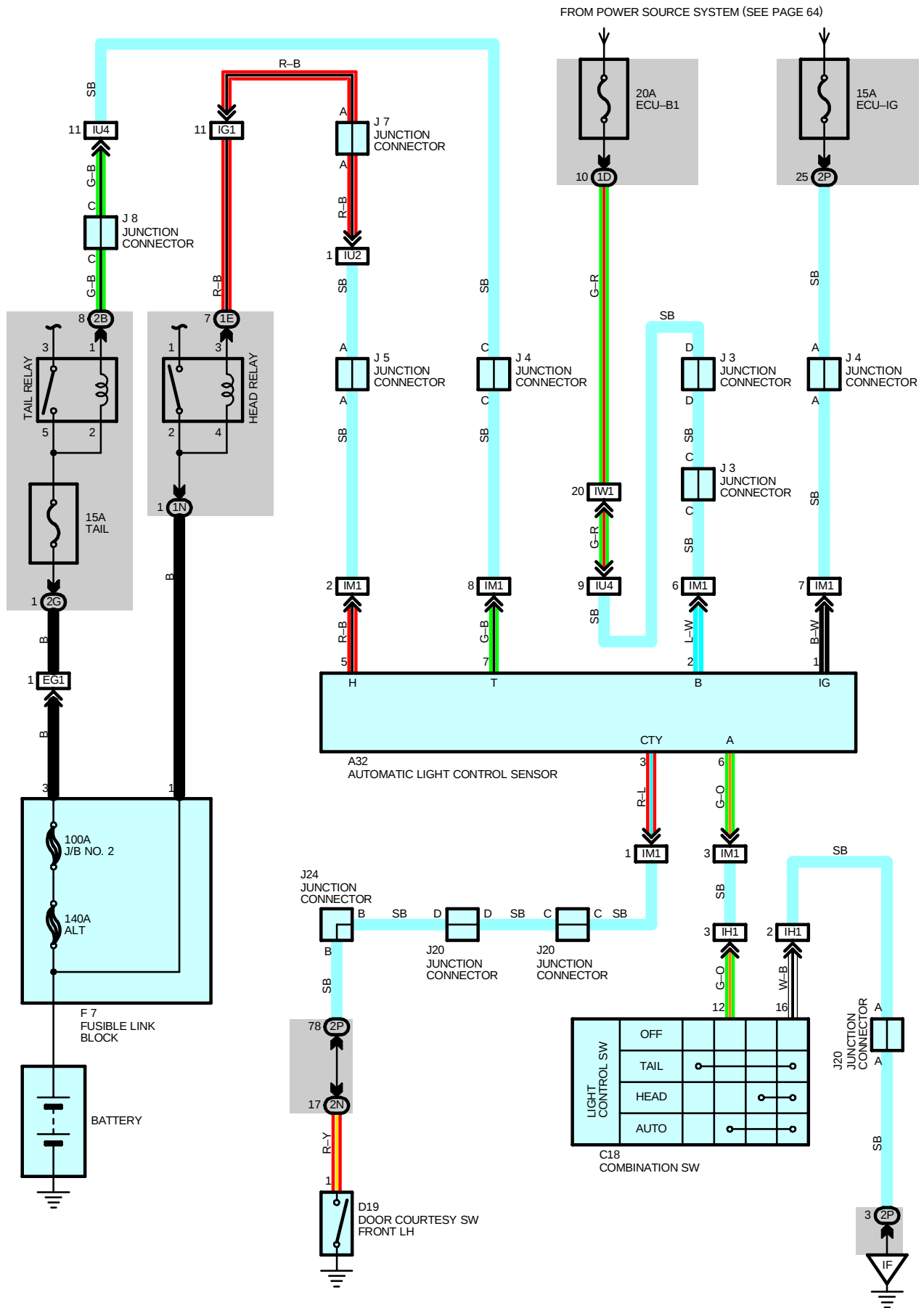


# AUTOMATIC LIGHT CONTROL



## SYSTEM OUTLINE

When the light control SW is set at AUTO position, this system automatically turns ON/OFF the taillights and headlights depending on the brightness around the vehicle.

### AUTOMATIC LIGHT CONTROL OPERATION

#### (1) Turn on operation

- \* With the ignition SW turned on, and the light control SW set at AUTO position, when the brightness around the vehicle drops in between a predetermined level, the timer of the automatic light control sensor starts counting, and turns on the taillight and headlight after approx. 5.8 seconds have elapsed. In case the brightness around the vehicle increases over a predetermined level during timer counting, the timer will be reset.
- \* With the ignition SW turned on and the light control SW set at AUTO position, when the brightness around the vehicle drops below a predetermined level, the timer of the automatic light control sensor starts counting, and turns on the taillight and headlight after approx. 2.9 seconds have elapsed. In case the brightness around the vehicle increases in between a predetermined level during timer counting, the timer will be stopped, and when the brightness increases over a predetermined level, the timer will be reset.

#### (2) Turn off operation

- \* When the brightness increases over a predetermined level while the automatic light control system is operating, the timer of the automatic light control sensor starts counting, and turns off the taillight and headlight after approx. 5.8 seconds have elapsed. In case the brightness around the vehicle drops below a predetermined level during timer counting, the timer will be reset.
- \* The taillights and headlights will be turned off when the ignition SW is turned from on to off and driver door is opened, during automatic light control system operation, with the light control SW set at AUTO position.

## SERVICE HINTS

### A32 AUTOMATIC LIGHT CONTROL SENSOR

- 1-GROUND : Approx. **12** volts with ignition SW at **ON** or **ST** position
- 2-GROUND : Always approx. **12** volts
- 3-GROUND : Continuity with driver door open
- 6-GROUND : Continuity with light control SW at **AUTO** position

## : PARTS LOCATION

| Code | See Page           | Code | See Page           | Code | See Page           |
|------|--------------------|------|--------------------|------|--------------------|
| A32  | <a href="#">40</a> | J3   | <a href="#">41</a> | J8   | <a href="#">41</a> |
| C18  | <a href="#">40</a> | J4   | <a href="#">41</a> | J20  | <a href="#">41</a> |
| D19  | <a href="#">42</a> | J5   | <a href="#">41</a> | J24  | <a href="#">41</a> |
| F7   | <a href="#">38</a> | J7   | <a href="#">41</a> |      |                    |

## : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

| Code | See Page           | Junction Block and Wire Harness (Connector Location)                     |
|------|--------------------|--------------------------------------------------------------------------|
| 1D   | <a href="#">23</a> | Engine Room No.2 Wire and Engine Room J/B (Engine Compartment Left)      |
| 1E   |                    |                                                                          |
| 1N   | <a href="#">23</a> | Engine Room No.3 Wire and Engine Room J/B (Engine Compartment Left)      |
| 2B   | <a href="#">26</a> | Dash Wire and Cowl Side J/B LH (Left Kick Panel)                         |
| 2G   | <a href="#">26</a> | Engine Room No.2 Wire and Cowl Side J/B LH (Left Kick Panel)             |
| 2N   | <a href="#">26</a> | Floor Wire and Cowl Side J/B LH (Left Kick Panel)                        |
| 2P   | <a href="#">28</a> | Instrument Panel Integration Wire and Cowl Side J/B LH (Left Kick Panel) |

## : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

| Code | See Page           | Joining Wire Harness and Wire Harness (Connector Location)                                        |
|------|--------------------|---------------------------------------------------------------------------------------------------|
| EG1  | <a href="#">46</a> | Engine Room No.2 Wire and Engine Room No.3 Wire (Under the Engine Room J/B)                       |
| IG1  | <a href="#">50</a> | Engine Room No.2 Wire and Dash Wire (Behind the Combination Meter)                                |
| IH1  | <a href="#">50</a> | Instrument Panel Integration Wire and Column Wire (Near the Ignition SW)                          |
| IM1  | <a href="#">52</a> | Instrument Panel Integration Wire and Instrument Panel No.3 Wire (Right Side of Instrument Panel) |
| IU2  | <a href="#">52</a> | Instrument Panel Integration Wire and Dash Wire (Behind the Glove Box)                            |
| IU4  |                    |                                                                                                   |
| IW1  | <a href="#">54</a> | Engine Room No.2 Wire and Dash Wire (Behind the Glove Box)                                        |

## AUTOMATIC LIGHT CONTROL

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: GROUND POINTS

| Code | See Page           | Ground Points Location       |
|------|--------------------|------------------------------|
| IF   | <a href="#">48</a> | Set Bolt of Cowl Side J/B LH |