05JRV–01

SYSTEM DESCRIPTION

1. LIGHTING SYSTEM

(a) Illumination control system (Illuminated entry system):
When a door is unlocked through a key or transmitter operation, or if a door is opened or closed, the illuminated entry system turns on the interior lamp and the ignition key illumination.
(1) The multiplex network body ECU receives the following.
- Door courtesy switch signal
- Door detection switch signal
- Ignition switch signal

(2) The multiplex network body ECU controls the following based on the signals listed in (1).
- Illumination operation signal

(3) The multiplex network body ECU controls the on/off and fade–in/fade–out operation of the following.
- Room lamp assy No.1
- Ignition key cylinder lamp
- Personal lamp (Overhead J/B)

(b) Manual light control system:
This system functions if lights such as the headlamps and tail lamps come on by manual operation of the light control switch.
(1) The multiplex network body ECU receives the following.
- Light control switch signal
- Fog lamp switch signal

(2) The multiplex network body ECU controls the following based on the signals listed in (1).
- HEAD relay operation signal
- TAIL relay operation signal
- FOG relay operation signal

(3) The multiplex network body ECU controls the on/off operation of the following.
- Headlamp (Low)
- Front position lamp
- Tail lamp
- Licence plate lamp
- Fog lamp

(c) Light auto turn off system:
When the headlamps and tail lamps are on through the operation of the automatic light control system or through the light control switch, if the ignition switch is turned off and driver side door is opened, this system will turn the headlamps and tail lamps off immediately.
(1) The multiplex network body ECU receives the following.
- Door courtesy switch signal
- Ignition switch signal

(2) The multiplex network body ECU controls the following based on the signals listed in (1).
- HEAD relay operation signal
- TAIL relay operation signal

(3) The multiplex network body ECU controls the illuminating period based on the signals listed in (2).
- Headlamp (Low)
- Headlamp (Hi)
- Front position lamp
- Tail lamp
- Licence plate lamp
- Fog lamp

(d) Automatic light control system:
When the light control switch is in the AUTO position, the automatic light control sensor detects ambient light and automatically turns the headlamps and tail lamps on or off accordingly.

(1) The multiplex network body ECU receives the following.
- Light control switch signal
- Automatic light control sensor signal

(2) The multiplex network body ECU controls the following based on the signals listed in (1).
- HEAD relay operation signal
- TAIL relay operation signal

(3) The multiplex network body ECU controls the on/off operation of the following.
- Headlamp (Low)
- Front position lamp
- Tail lamp
- Licence plate lamp