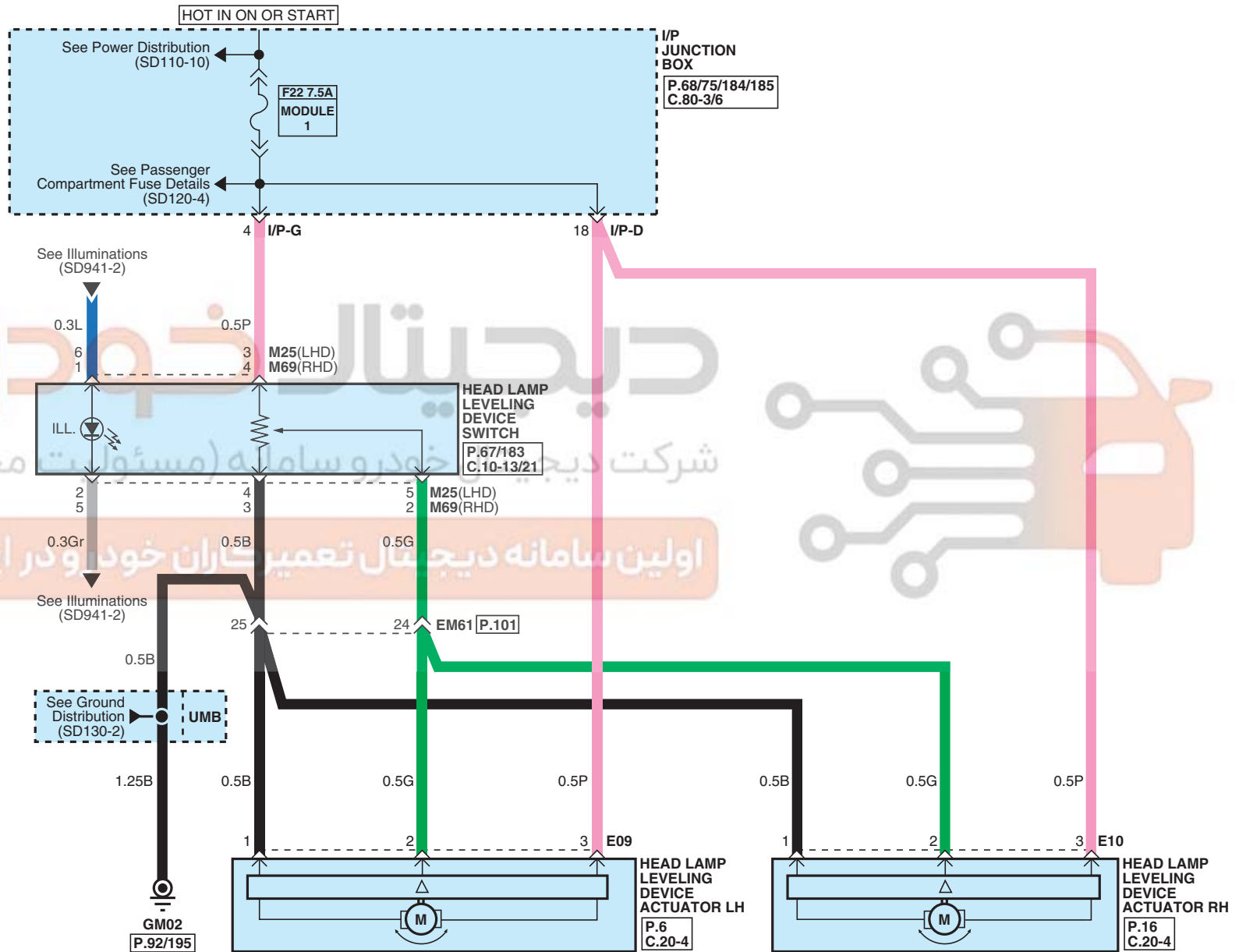


Head Lamp Leveling Device (HLLD) System (1)

SD922-1

MANUAL



Head Lamp Leveling Device (HLLD) System

Service Tips (1)

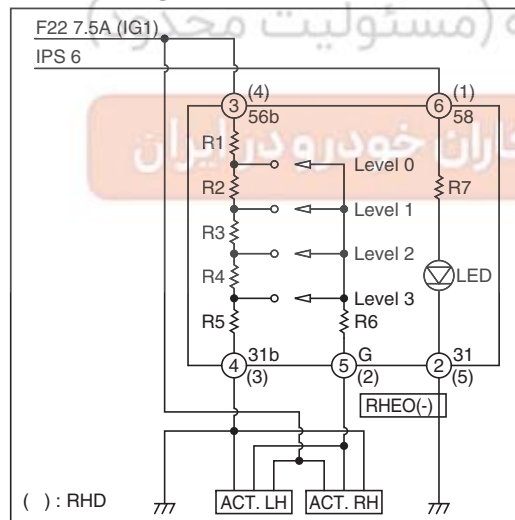
Circuit Description

Head Lamp Leveling Device Actuator is powered by IG1, and controlled by Head Lamp Leveling Device Switch scroll up and down. It adjusts the lighting direction (up/down) of the headlamp according to the driving environment and load condition of the vehicle to provide the visibility range and driving safety. If the position of vehicle is out of its setting level as multiple passengers get on or off, or when the a vehicle is being loaded with a cargo, it adjusts the lighting angle of the headlamp to return to normal.

• Head Lamp Leveling Device (HLLD) Switch

The HLLD switch can be adjusted in 0~3 levels once the ignition switch has been turned on. Variable voltage is output depending on the angle of each level of the HLLD switch.

[Internal Diagram of the HLLD Switch]



Position No.	Rotation Angel	Voltage (V) (±5V)
0	0°	11.05
1	20°	9.09
2	40°	7.53
3	60°	6.64

• Head Lamp Leveling Device (HLLD) Actuator

The HLLD actuator is included in the headlamp. It controls the motor and adjusts the lighting direction (up/down) of the headlamp using the variable voltage of each level of the HLLD switch.