

HEADLIGHT LEVELING ACTUATOR INSPECTION

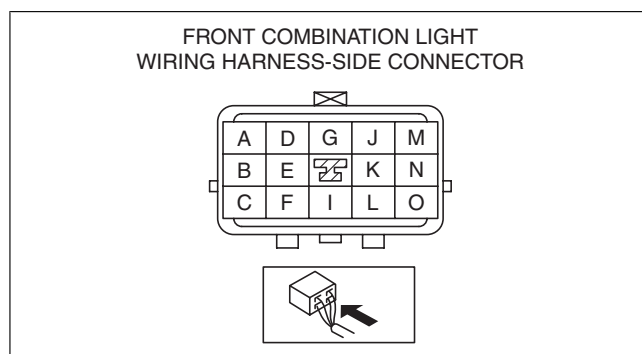
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Note

- The headlight leveling actuator is integrated in the front combination light.
- For the actuator inspection of the headlight auto leveling system, perform the headlight leveling actuator operation check mode. (See HEADLIGHT LEVELING ACTUATOR OPERATION CHECK MODE [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)].)

1. Verify that the voltages of each of the terminals are as indicated in the terminal voltage table.
 - If the voltage is not as indicated in the table, inspect the parts under Inspection item(s).
 - If the system does not work normally even though the parts or related wiring harnesses do not have any malfunction, replace the front combination light. (See FRONT COMBINATION LIGHT REMOVAL/INSTALLATION.)

Terminal Voltage List (Reference)



ac5wzw00000045

Terminal	Signal	Connection	Test condition		Voltage (V)	Inspection item (s)
F	Headlight leveling actuator signal	Headlight leveling switch	Light switch at HEAD position	Headlight leveling switch position 0	Approx. 10.1	• Headlight leveling switch (See HEADLIGHT LEVELING SWITCH INSPECTION.) • Related wiring harness
				Headlight leveling switch position -	Approx. 9.4	
				Headlight leveling switch position 1	Approx. 8.7	
				Headlight leveling switch position -	Approx. 7.9	
				Headlight leveling switch position 2	Approx. 7.2	
				Headlight leveling switch position -	Approx. 6.5	
				Headlight leveling switch position 3	Approx. 5.8	
				Headlight leveling switch position -	Approx. 5.1	
				Headlight leveling switch position 4	Approx. 4.4	
				Headlight leveling switch position -	Approx. 3.6	
				Headlight leveling switch position 5	Approx. 2.9	
I	Headlight leveling actuator power supply	Headlight relay (LO)	Light switch at HEAD position		B+	• Headlight relay (LO) (See RELAY INSPECTION.) • Related wiring harness
			Light switch at OFF position		1.0 or less	
L	Ground	• Headlight leveling switch • Body ground	Under any condition		1.0 or less	• Headlight leveling switch (See HEADLIGHT LEVELING SWITCH INSPECTION.) • Related wiring harness