

Headlight Services LLC - Vehicle Headlight Performance Test

Owner: **Tori**
 Vehicle: **1999 Infiniti G20**
 Test date: **February 26, 2011**

Factory Switched: **Power**
 Battery Voltage: **14.29**

High-beam - Factory wire voltage drop							
		Passenger			Driver		
		Meter A	Meter B		Meter A	Meter B	
	Battery voltage	Positive (+)	Ground (-)	Total	Positive (+)	Ground (-)	Total
Idle	14.29	0.67	0.43	1.10	0.55	0.36	0.91

Low-beam - Factory wire voltage drop							
		Passenger			Driver		
		Meter A	Meter B		Meter A	Meter B	
	Battery voltage	Positive (+)	Ground (-)	Total	Positive (+)	Ground (-)	Total
Idle	14.29	0.74	0.39	1.13	0.57	0.32	0.89

High-Beam - Harness voltage drop							
		Passenger			Driver		
		Meter A	Meter B		Meter A	Meter B	
	Battery voltage	Positive (+)	Ground (-)	Total	Positive (+)	Ground (-)	Total
Idle	14.29	0.26	0.14	0.40	0.20	0.09	0.29

Low-beam - Harness voltage drop							
		Passenger			Driver		
		Meter A	Meter B		Meter A	Meter B	
	Battery voltage	Positive (+)	Ground (-)	Total	Positive (+)	Ground (-)	Total
Idle	14.29	0.26	0.14	0.40	0.20	0.08	0.28

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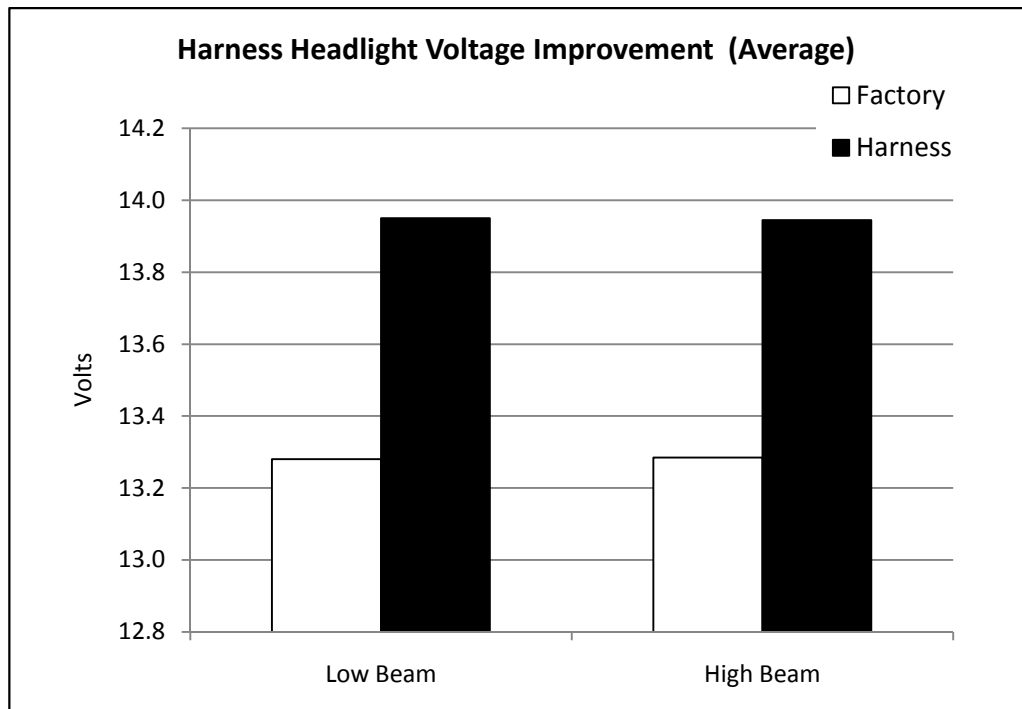
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High-beam							
	Battery voltage	Factory wire voltage drop		Harness voltage drop		Lumen* improvement	
		Passenger	Driver	Passenger	Driver	Passenger	Driver
Idle	14.29	1.10	0.91	0.40	0.29	19%	17%

Low-beam							
	Battery voltage	Factory wire voltage drop		Harness voltage drop		Lumen* improvement	
		Passenger	Driver	Passenger	Driver	Passenger	Driver
Idle	14.29	1.13	0.89	0.40	0.28	20%	16%

Notes: Testing done using generally accepted methods under load using digital multi meters.

* Lumen: The lumen is the SI (International System of Units) derived unit of luminous flux, a measure of the power of light perceived by the human eye. The lumen can be thought of casually as a measure of the total "amount" of visible light in some defined beam or angle, or emitted from some source. Light output (lumen) is approximately proportional to; Volts to the power of 3.4. (from Wikipedia)



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