

Headlight Services LLC - Vehicle Headlight Performance Test

Owner: Rob
 Vehicle: 2002 Toyota Tacoma
 Test date: February 27, 2011

Factory Switched: Ground
 Battery Voltage: 13.96

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	13.96	0.29	0.88	1.17	0.29	0.81	1.10

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	13.96	0.26	0.95	1.21	0.26	0.96	1.22

High-Beam - Harness voltage drop							
		Passenger			Driver		
		Meter A	Meter B		Meter A	Meter B	
	Battery voltage	Positive (+)	Ground (-)	Total	Positive (+)	Ground (-)	Total
Idle	13.96	0.21	0.23	0.44	0.17	0.15	0.32

Low-beam - Harness voltage drop							
		Passenger			Driver		
		Meter A	Meter B		Meter A	Meter B	
	Battery voltage	Positive (+)	Ground (-)	Total	Positive (+)	Ground (-)	Total
Idle	13.96	0.19	0.11	0.30	0.15	0.07	0.22

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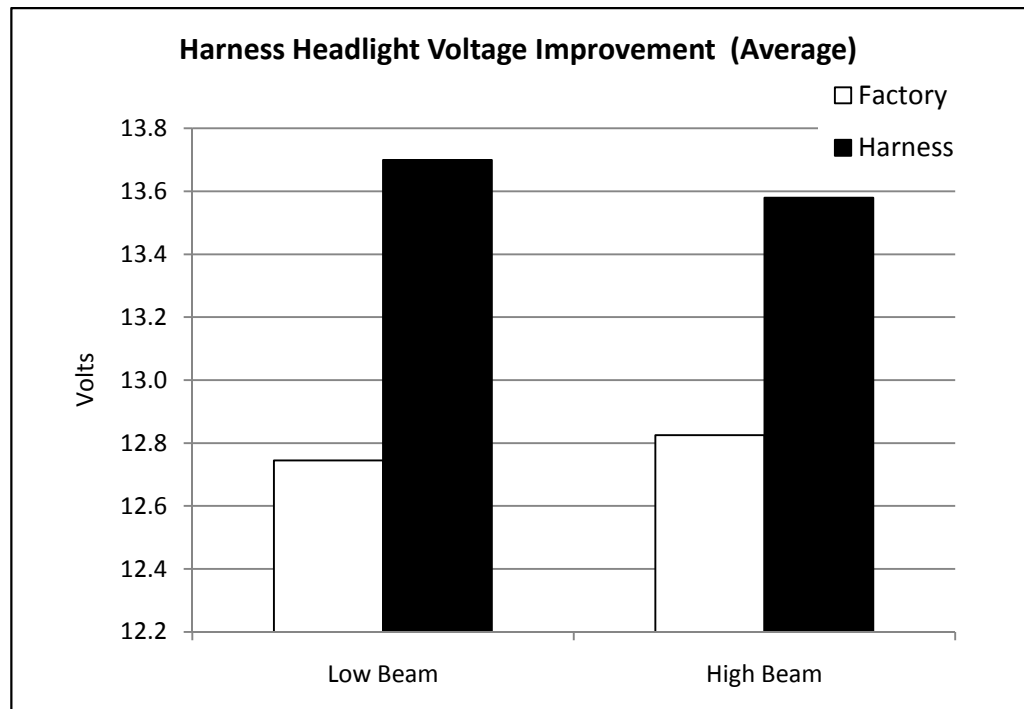
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High-beam							
	Battery voltage	Factory wire voltage drop		Harness voltage drop		Lumen* improvement	
		Passenger	Driver	Passenger	Driver	Passenger	Driver
Idle	13.96	1.17	1.10	0.44	0.32	21%	22%
2,000 RPM							

Low-beam							
	Battery voltage	Factory wire voltage drop		Harness voltage drop		Lumen* improvement	
		Passenger	Driver	Passenger	Driver	Passenger	Driver
Idle	13.96	1.21	1.22	0.30	0.22	26%	29%
2,000 RPM							

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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