

LIGHTING AMPERAGE CAPACITY PER CIRCUIT - 1500/2500/3500 Pick-Up

#	COMPONENT (L=left. R=right)	MAXIMUM ALLOWABLE CONTINUOUS AMPERAGE	**MINIMUM REQUIRED AMPERAGE
			INCANDESCENT BULBS
1	Quad Incandescent Hi-Beam headlamp (L or R)	12.5A	1.0A
2	Quad Incandescent Lo-Beam headlamp (L or R)	17.6	1.0
3	Hi-Line Projector Hi-Beam headlamp (L or R)	12.5	1.0
4	Hi-Line Projector Lo-Beam headlamp (L or R)	12.5	1.0
5	CHMSL	5.7	N/A
6	*Stop Lamp/CHMSL blunt cut wire feed circuit L56 near rear of frame	1.6	N/A
7	Stop/Rear turn lamp (L or R)	12.1	1.0
8	Rear park/running lamp (L)	5.7	0.5
9	Rear park/running lamp (R)	12.1	1.0
10	Front turn signal lamp (L or R)	5.7	0.5
11	Reverse lamp (L)	12.5	1.0
12	Reverse lamp (R)	5.7	0.5
13	License plate lamp	5.7	0.5
14	Side marker lamp, front (L or R)	5.7	N/A
15	Side marker lamp, rear (L or R)	5.7	N/A
16	Fog lamps, front (L or R)	12.1	N/A

*Unless using low amperage LED's it's recommended that this L56 circuit drive a relay to power the Stop/CHMSL lamps when using the "Rear Turn/Stop Separated Lighting" function via the under hood circuit wire L779, or the VSIM circuit wire W546.

**Minimum required current draw due to electronic controller diagnostics, otherwise a "fault" might set. On vehicles with factory OEM LED's, 20ma is the minimum required amperage for each LED circuit. If "bulb out detection disable" is initiated via grounding the underhood circuit L950 or the VSIM circuit W509, these minimum amperages don't apply.

TRAILER TOW AMPERAGE CAPACITY PER CIRCUIT - ALL TRUCKS

#	CIRCUIT	CIRCUIT NUMBER (WIRE COLOR)	MAXIMUM ALLOWABLE CONTINUOUS AMPERAGE
1	Battery feed	A100 (RD/VT)	21A
2	Electric brake feed	B40 (GY)	20A
3	Running/Park lamps	L76 (WT/BR)	14A
4	Back-up lamps	L111 (WT/OR)	14A
5	Stop/turn right	L614 (LG)	14A
6	Stop/turn left	L615 (YL)	14A
7	Ground	Z914 (BK/GY)	53A

UNDERHOOD/**UNDERDASH/REAR OF FRAME WIRES AMPERAGE CAPACITY PER CIRCUIT - All TRUCKS**

#	CIRCUIT	CIRCUIT NUMBER (WIRE COLOR)	MAXIMUM ALLOWABLE CONTINUOUS AMPERAGE	^MAXIMUM ALLOWABLE "DEVICE" INPUT IMPEDANCE
1	*Snow Plow Park Lamp Relay Control - LSD	L177 (WT/BR)	0.200A	125KΩ
2	*Snow Plow Front Lighting Enable - source to B+	L312 (BK/VT)	n/a	n/a
3	*Snow Plow Turn Relay Control - Right - HSD	L318 (VT/BR)	0.200A	50KΩ
4	*Snow Plow Turn Relay Control - Left - HSD	L317 (WT/VT)	0.200A	50KΩ
5	*Snow Plow Low Beams Relay Control - LSD	L313 (BK/LG)	0.200A	125KΩ
6	*Snow Plow High Beams Relay Control - LSD	L315 (BK/LB)	0.200A	125KΩ
7	*Bulb Out Detection Disable	L950 (LG/WT)	n/a	n/a
8	*Separate Rear/Stop Lamps	L779 (WT/LB)	n/a	n/a
9	*Hard Wired Remote Start	L754 (DG/GY)	n/a	n/a
10	*Transmission Park Position Detection (LSD In "Park" With Key In "Run")	T120 (DG/OR)	Minimum = 0.010A Maximum = 0.200A	n/a
11	**/**Battery Feed B+	A500 (RD)	14A	n/a
12	**/**Ignition Feed B+	F606 (PK/YL or PK/OR)	14A	n/a
* = underhood at "C" ** = underdash at "D" *** = rear of frame at "F"			n/a = not applicable	^Signal Receiving "Device"
LSD = Low Side Driver HSD = High Side Driver				11/25/2014