

2014 RAM SNOWPLOW INSTALLATION

INTRODUCTION

The factory-installed Snowplow Preparation Groups (or their equivalent components) are recommended and listed for each vehicle. The normal warranty applies to Dodge Ram trucks that have after market snowplows installed in accordance with these guidelines.

Maximum Vehicle Loading Requirements:

Installation of snowplows and their mounting hardware may result in a vehicle weight distribution or a front axle loading which is detrimental to brake performance or which exceeds the front GAWR. The following load requirements are applicable:


1. The loaded vehicle, including all after market accessories, the snowplow system, passengers, and cargo, must not exceed the gross vehicle weight (GVW), front or rear gross axle weight (GAW) ratings specified on the Safety Compliance Certification label located in the driver's side door opening.
2. The empty truck with all permanently attached accessories and snowplow components must not exceed 62 percent of its total weight on the front axle to comply with FMVSS/CMVSR 105 Brake Certification. Permanently attached snowplow parts are those parts not easily removed when the blade is removed. The permanently attached parts are: sub-frame, hydraulic pump, hydraulic lift cylinder, lamps, wiring, snowplow controls, etc.

If the front axle loading exceeds either 62 percent of the empty truck total weight, or the front GAWR, ballast-compensating weight must be securely attached at the rear of the truck to bring front axle weight within weight specifications as defined above.

Notes for Heavy Duty Snowplows:

- At any time, the maximum number of occupants in the truck must not exceed two
- Under Any Circumstances, vehicles should NOT exceed GVWR (Gross Vehicle Weight Rating), Front or Rear GAWRs (Gross Axle Weight Ratings)
- Snowplow prep packages are NOT available with Sport (AAG) package
- Cargo capacity will be reduced by the addition of options.
- Ballast should be securely attached inside the box at 9 inches from the rear tailgate for pickups.
- The total weight of permanently attached hardware should not exceed 125 lbs.
- Max snowplow weight should not exceed values for models shown in this section.

The snowplow weights shown in the charts on the next page are the manufacturer recommendations based on maximum vehicle option content. Other plow weight values may be possible, based on the specific capability of the vehicle being modified (actual weight, GVWR, front and rear GAWR). The maximum allowable plow weight can be determined by the dealer /supplier / manufacturer. In all cases, the loaded vehicle weight, including the snowplow system, all aftermarket accessories, driver, passengers, options, and cargo, must not exceed either the Gross Vehicle Weight (GVWR) or Gross Axle Weight (GAWR) ratings. The GVWR and GAWR weights are specified on the Safety Compliance Certification Label on the driver's side door opening.

MFD BY CHRYSLER GROUP LLC		DATE OF MFR: 03-03
GVWR 2062 KG 04544 LB	GAWR 1154 KG FRONT 2543 LB	GAWR 0931 KG REAR 2051 LB
THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR VEHICLE SAFETY, BUMPER AND THEFT PREVENTION STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.		
VIN: 111111111111111111	TYPE: TYPE UNKNOWN	
		
MDH: 030303	PNT:PKJT	VEHICLE MADE IN U.S.A. TRM:BFDU 4648102

Safety Compliance Certification Label

2014 RAM SNOWFLOW INSTALLATION

Snowplow Packages (AHD) Availability on 2014 HD RAM 4x4 Ram Box Models

ST Rambox Model

		4X4 Pickup		FGAWR All	2500				
		w/Driver			Manual	Automatic	GVWR	Code	
7L91 Crew Cab	149.5"	5.7L V8		5,250		975	9000	Z7C	SRW
		6.4L V8		5,500		1160	10000	Z7F	SRW
		6.7L Turbo Diesel		5,750	650	725	9900	Z7H	SRW
		6.4L V8		5,500		1160	9900	Z7H	SRW
		6.7L Turbo Diesel		5,750	690	740	10000	Z7F	SRW

Note:

- Snowplow Weight include attaching hardware.
- Calculations are based upon vehicle with maximum options.
- N/R = Not Recommended for snowplow application
- SRW = Single Rear Wheel.
- DRW = Dual Rear Wheel.
- Minimum Plow is 500 lbs

Snowplow Packages (AHD) Availability on 2014 HD RAM 4x4 Ram Box Models

SLT Rambox Model

		4X4 Pickup		FGAWR All	2500				
		w/Driver			Manual	Automatic	GVWR	Code	
7H91 Crew Cab	149.5"	5.7L V8		5,250		905	9000	Z7C	SRW
		6.4L V8		5,500		1095	10000	Z7F	SRW
		6.7L Turbo Diesel		6,000	765	800	9900	Z7H	SRW
		6.4L V8		5,500		1095	9900	Z7H	SRW
		6.7L Turbo Diesel		6,000	795	830	10000	Z7F	SRW
7H81 Mega Cab	160.5"	5.7L V8		5,250		770	9000	Z7C	SRW
		6.4L V8		5,500		990	10000	Z7F	SRW
		6.7L Turbo Diesel		6,000	600	635	9900	Z7H	SRW
		6.4L V8		5,500		990	9900	Z7H	SRW
		6.7L Turbo Diesel		6,000	615	645	10000	Z7F	SRW

Note:

- Snowplow Weight include attaching hardware.
- Calculations are based upon vehicle with maximum options.
- N/R = Not Recommended for snowplow application
- SRW = Single Rear Wheel.
- DRW = Dual Rear Wheel.
- Minimum Plow is 500 lbs

Snowplow Packages (AHD) Availability on 2014 HD RAM 4x4 Ram Box Models

Laramie Rambox Model

		4X4 Pickup		FGAWR All	2500				
		w/Driver			Manual	Automatic	GVWR	Code	
7P91 Crew Cab	149.5"	5.7L V8		5,250		900	9000	Z7C	SRW
		6.4L V8		5,500		1090	10000	Z7F	SRW
		6.7L Turbo Diesel		6,000	760	795	9900	Z7H	SRW
		6.4L V8		5,500		1090	9900	Z7H	SRW
		6.7L Turbo Diesel		6,000	790	820	10000	Z7F	SRW
7P81 Mega Cab	160.5"	5.7L V8		5,250		750	9000	Z7C	SRW
		6.4L V8		5,500		975	10000	Z7F	SRW
		6.7L Turbo Diesel		6,000	615	650	9900	Z7H	SRW
		6.4L V8		5,500		970	9900	Z7H	SRW
		6.7L Turbo Diesel		6,000	630	665	10000	Z7F	SRW

Note:

- Snowplow Weight include attaching hardware.
- Calculations are based upon vehicle with maximum options.
- N/R = Not Recommended for snowplow application
- SRW = Single Rear Wheel.
- DRW = Dual Rear Wheel.
- Minimum Plow is 500 lbs

Snowplow Packages (AHD) Availability on 2014 HD RAM 4x4 Ram Box Models

Longhorn Rambox Model

		4X4 Pickup		FGAWR All	2500				
		w/Driver			Manual	Automatic	GVWR	Code	
7R91 Crew Cab	149.5"	5.7L V8		5,250		885	9000	Z7C	SRW
		6.4L V8		5,500		1085	10000	Z7F	SRW
		6.7L Turbo Diesel		6,000		805	9900	Z7H	SRW
		6.4L V8		5,500		1085	9900	Z7H	SRW
		6.7L Turbo Diesel		6,000		815	10000	Z7F	SRW
7R81 Mega Cab	160.5"	5.7L V8		5,250		750	9000	Z7C	SRW
		6.4L V8		5,500		980	10000	Z7F	SRW
		6.7L Turbo Diesel		6,000		630	9900	Z7H	SRW
		6.4L V8		5,500		980	9900	Z7H	SRW
		6.7L Turbo Diesel		6,000		655	10000	Z7F	SRW

Note:

- Snowplow Weight include attaching hardware.
- Calculations are based upon vehicle with maximum options.
- N/R = Not Recommended for snowplow application
- SRW = Single Rear Wheel.
- DRW = Dual Rear Wheel.
- Minimum Plow is 500 lbs



2014 RAM SNOWPLOW INSTALLATION

Snowplow Packages (AHD) Availability on 2014 HD RAM 4x4 Pickup Models

ST Model

4x4 Pickup		FGAWR All	2500					
w/Driver			Manual	Automatic	GVWR	Code		
7L62 Regular Cab	140.5"	5.7L V8	5,250	1130	9000	Z7C	SRW	
		6.4L V8	5,500	1230	10000	Z7F	SRW	
		5.4L V8	5,500	1235	9900	Z7H	SRW	
		6.7L Turbo Diesel	5,750	735	825	9900	Z7H	SRW
		6.7L Turbo Diesel	5,750	730	820	10000	Z7F	SRW
7L91 Crew Cab	149.5"	5.7L V8	5,250	1005	9000	Z7C	SRW	
		6.4L V8	5,500	1145	10000	Z7F	SRW	
		5.4L V8	5,500	1145	9900	Z7H	SRW	
		6.7L Turbo Diesel	5,750	655	725	9900	Z7H	SRW
		6.7L Turbo Diesel	5,750	685	730	10000	Z7F	SRW
7L92 Crew Cab	189.5"	5.7L V8	5,250	875	9000	Z7C	SRW	
		6.4L V8	5,500	1045	10000	Z7F	SRW	
		5.4L V8	5,500	1050	9900	Z7H	SRW	
		5.7L V8 CNG	5,500	860	9000	Z7C	SRW	
		6.7L Turbo Diesel	5,750	515	595	9900	Z7H	SRW
6.7L Turbo Diesel	5,750	520	610	10000	Z7F	SRW		

Note:

- Snowplow Weight include attaching hardware.
- Calculations are based upon vehicle with maximum options.
- N/R = Not Recommended for snowplow application
- SRW = Single Rear Wheel.
- DRW = Dual Rear Wheel.
- Minimum Plow is 500 lbs

Snowplow Packages (AHD) Availability on 2014 HD RAM 4x4 Pickup Models

SLT Model

4x4 Pickup		FGAWR All	2500					
w/Driver			Manual	Automatic	GVWR	Code		
7H62 Regular Cab	140.5"	5.7L V8	5,250	1135	9000	Z7C	SRW	
		6.4L V8	5,500	1200	10000	Z7F	SRW	
		6.7L Turbo Diesel	6,000	885	970	9900	Z7H	SRW
		6.4L V8	5,500	880	985	10000	Z7F	SRW
		6.7L Turbo Diesel	6,000	880	985	10000	Z7F	SRW
7H91 Crew Cab	149.5"	5.7L V8	5,250	910	9000	Z7C	SRW	
		6.4L V8	5,500	1090	10000	Z7F	SRW	
		6.7L Turbo Diesel	6,000	755	790	9900	Z7H	SRW
		6.4L V8	5,500	1090	9900	Z7H	SRW	
		6.7L Turbo Diesel	6,000	820	10000	Z7F	SRW	
7H92 Crew Cab	169.5"	5.7L V8	5,250	780	9000	Z7C	SRW	
		6.4L V8	5,500	915	10000	Z7F	SRW	
		6.4L V8	5,500	920	9900	Z7H	SRW	
		5.7L V8 CNG	5,500	755	9000	Z7F	SRW	
		6.7L Turbo Diesel	6,000	615	680	10000	Z7F	SRW
6.7L Turbo Diesel	6,000	610	670	9900	Z7H	SRW		
7H81 Mega Cab	180.5"	5.7L V8	5,250	790	9000	Z7C	SRW	
		6.4L V8	5,500	995	10000	Z7F	SRW	
		6.7L Turbo Diesel	6,000	605	640	9900	Z7H	SRW
		6.4L V8	5,500	995	9900	Z7H	SRW	
		6.7L Turbo Diesel	6,000	620	655	10000	Z7F	SRW

Note:

- Snowplow Weight include attaching hardware.
- Calculations are based upon vehicle with maximum options.
- N/R = Not Recommended for snowplow application
- SRW = Single Rear Wheel.
- DRW = Dual Rear Wheel.
- Minimum Plow is 500 lbs

Snowplow Packages (AHD) Availability on 2014 HD RAM 4x4 Pickup Models

Laramie Model

4x4 Pickup		FGAWR All	2500					
w/Driver			Manual	Automatic	GVWR	Code		
7P91 Crew Cab	149.5"	5.7L V8	5,250	915	9000	Z7C	SRW	
		6.4L V8	5,500	1095	10000	Z7F	SRW	
		6.7L Turbo Diesel	6,000	760	790	9900	Z7H	SRW
		6.4L V8	5,500	1095	9900	Z7H	SRW	
		6.7L Turbo Diesel	6,000	790	820	10000	Z7F	SRW
7P92 Crew Cab	169.5"	5.7L V8	5,250	770	9000	Z7C	SRW	
		6.4L V8	5,500	970	10000	Z7F	SRW	
		6.7L Turbo Diesel	6,000	610	670	9900	Z7H	SRW
		6.4L V8	5,500	970	9900	Z7H	SRW	
		6.7L Turbo Diesel	6,000	620	680	10000	Z7F	SRW
7P81 Mega Cab	180.5"	5.7L V8	5,250	780	9000	Z7C	SRW	
		6.4L V8	5,500	990	10000	Z7F	SRW	
		6.7L Turbo Diesel	6,000	625	665	9900	Z7H	SRW
		6.4L V8	5,500	990	9900	Z7H	SRW	
		6.7L Turbo Diesel	6,000	640	675	10000	Z7F	SRW

Note:

- Snowplow Weight include attaching hardware.
- Calculations are based upon vehicle with maximum options.
- N/R = Not Recommended for snowplow application
- SRW = Single Rear Wheel.
- DRW = Dual Rear Wheel.
- Minimum Plow is 500 lbs

Snowplow Packages (AHD) Availability on 2014 HD RAM 4x4 Pickup Models

Longhorn Model

4x4 Pickup		FGAWR All	2500				
w/Driver			Manual	Automatic	GVWR	Code	
7R91 Crew Cab	149.5"	5.7L V8	5,250	895	9000	Z7C	SRW
		6.4L V8	5,500	1080	10000	Z7F	SRW
		6.7L Turbo Diesel	6,000	810	9900	Z7H	SRW
		6.4L V8	5,500	820	10000	Z7F	SRW
		6.7L Turbo Diesel	6,000	820	10000	Z7F	SRW
7R92 Crew Cab	169.5"	5.7L V8	5,250	765	9000	Z7C	SRW
		6.4L V8	5,500	960	10000	Z7F	SRW
		6.7L Turbo Diesel	6,000	650	9900	Z7H	SRW
		6.4L V8	5,500	965	9900	Z7H	SRW
		6.7L Turbo Diesel	6,000	655	10000	Z7F	SRW
7R81 Mega Cab	180.5"	5.7L V8	5,250	770	9000	Z7C	SRW
		6.4L V8	5,500	985	10000	Z7F	SRW
		6.7L Turbo Diesel	6,000	635	6900	Z7H	SRW
		6.4L V8	5,500	985	9900	Z7H	SRW
		6.7L Turbo Diesel	6,000	660	10000	Z7F	SRW

Note:

- Snowplow Weight include attaching hardware.
- Calculations are based upon vehicle with maximum options.
- N/R = Not Recommended for snowplow application
- SRW = Single Rear Wheel.
- DRW = Dual Rear Wheel.
- Minimum Plow is 500 lbs



2014 RAM SNOWPLOW INSTALLATION

Snowplow Packages (AHD) Availability on 2014 RAM 3500 4x4 Pickup Box Models

12-Jun-2013

ST / Tradesman Rambox Model		4x4 Pickup		3500 SRW						3500 DRW					
		w/Driver Only		FGAWR	Manual	Automatic	HD Trans	GVWR	GCode	Manual	Automatic	HD Trans	GVWR	GCode	
8L62 Regular Cab	140.5"	6.7L Turbo Diesel	6,000	930	960	870	11,500	Z8E	820				14,000	Z8M	
		6.4L Mid Duty Gas	5,500		1,200		10,400	Z8P			1,060		13,700	Z8H	
		5.7L HEMI Gas	5,250		1,060		10,300	Z8A			1,070		13,300	Z8T	
8L91 Crew Cab	149.5"	6.7L Turbo Diesel	6,000	930	970	870	11,700	Z8K							
		6.4L Mid Duty Gas	5,500		1,190		10,800	Z8Q							
		5.7L HEMI Gas	5,250		1,050		10,700	Z8C							
8L92 Crew Cab	169.5"	6.7L Turbo Diesel	6,000	800	840	740	12,300	Z8H	800	830	730	14,000	Z8M		
		6.4L Mid Duty Gas	5,500		1,090		11,400	Z8R			1,080		14,000	Z8M	
		5.7L HEMI Gas	5,250		990		11,300	Z8J			1,090		13,300	Z8T	

Note:
 - Snowplow Kit Weight includes a 100 lbs. attaching hardware.
 - Calculations are based upon vehicle with driver only, worst case seating and maximum options.
 - N/R = Not Recommended for snowplow application
 - SRW = Single Rear Wheel
 - Rounded down to the nearest 10 lbs.

Snowplow Packages (AHD) Availability on 2014 RAM 3500 4x4 Pickup Box Models

12-Jun-2013

SLT / Big Horn / Lone Star / Outdoorsman Model		4x4 Pickup		3500 SRW						3500 DRW					
		w/Driver Only		FGAWR	Manual	Automatic	HD Trans	GVWR	GCode	Manual	Automatic	HD Trans	GVWR	GCode	
8H62 Regular Cab	140.5"	6.7L Turbo Diesel	6,000	900	940	850	11,500	Z8E	790				14,000	Z8M	
		6.4L Mid Duty Gas	5,500		1,200		10,400	Z8P			1,050		13,700	Z8H	
		5.7L HEMI Gas	5,250		1,060		10,300	Z8A			1,070		13,300	Z8T	
8H81 Mega Cab	160.5"	6.7L Turbo Diesel	6,000	790	830	730	12,400	Z8L	770	810	720	14,000	Z8M		
		6.4L Mid Duty Gas	5,500		1,110		11,400	Z8R			1,100		14,000	Z8M	
		5.7L HEMI Gas	5,250		960		11,300	Z8J			1,100		13,300	Z8T	
8H91 Crew Cab	149.5"	6.7L Turbo Diesel	6,000	860	900	800	11,700	Z8K							
		6.4L Mid Duty Gas	5,500		1,120		10,800	Z8Q							
		5.7L HEMI Gas	5,250		980		10,700	Z8C							
		6.4L Mid Duty Gas	5,500		1,030		11,400	Z8R			1,010		14,000	Z8M	
		5.7L HEMI Gas	5,250		890		11,300	Z8J			1,020		13,300	Z8T	

Note:
 - Snowplow Kit Weight includes a 100 lbs. attaching hardware.
 - Calculations are based upon vehicle with driver only, worst case seating and maximum options.
 - N/R = Not Recommended for snowplow application
 - SRW = Single Rear Wheel
 - DRW = Dual Rear Wheel
 - Minimum Plow Kit is 500 lbs
 - Rounded down to the nearest 10 lbs.

Snowplow Packages (AHD) Availability on 2014 RAM 3500 4x4 Pickup Box Models

12-Jun-2013

Laramie Model		4x4 Pickup		3500 SRW						3500 DRW					
		w/Driver Only		FGAWR	Manual	Automatic	HD Trans	GVWR	GCode	Manual	Automatic	HD Trans	GVWR	GCode	
8P91 Mega Cab	160.5"	6.7L Turbo Diesel	6,000	780	820	720	12,400	Z8L	780	820	720	14,000	Z8M		
		6.4L Mid Duty Gas	5,500		1,070		11,400	Z8R			1,090		14,000	Z8M	
		5.7L HEMI Gas	5,250		930		11,300	Z8J			1,080		13,300	Z8T	
8P91 Crew Cab	149.5"	6.7L Turbo Diesel	6,000	880	890	800	11,700	Z8K							
		6.4L Mid Duty Gas	5,500		1,110		10,800	Z8Q							
		5.7L HEMI Gas	5,250		970		10,700	Z8C							
8P92 Crew Cab	169.5"	6.7L Turbo Diesel	6,000	720	760	660	12,300	Z8H	740	780	680	14,000	Z8M		
		6.4L Mid Duty Gas	5,500		1,020		11,400	Z8R			1,030		14,000	Z8M	
		5.7L HEMI Gas	5,250		870		11,300	Z8J			1,030		13,300	Z8T	

Note:
 - Snowplow Kit Weight includes a 100 lbs. attaching hardware.
 - Calculations are based upon vehicle with driver only, worst case seating and maximum options.
 - N/R = Not Recommended for snowplow application
 - SRW = Single Rear Wheel
 - DRW = Dual Rear Wheel
 - Minimum Plow Kit is 500 lbs
 - Rounded down to the nearest 10 lbs.



2014 RAM SNOWPLOW INSTALLATION

Snowplow Packages (AHD) Availability on 2014 RAM 3500 4x4 Pickup Box Models

12-Jun-2013

Longhorn / Limited Model

4x4 Pickup		FGAWR	3500 SRW				3500 DRW						
w/Driver Only			Manual	Automatic	HD Trans	GVWR	GVWR	Manual	Automatic	HD Trans	GVWR	GVWR	
8R81 Mega Cab	160.5"	6.7L Turbo Diesel	6,000		790	700	12,400	Z8L		810	710	14,000	Z8M
		6.4L Mid Duty Gas	5,500		1,060		11,400	Z8R		1,080		14,000	Z8M
		5.7L HEMI Gas	5,250		910		11,300	Z8J		1,070		13,300	Z8T
8R91 Crew Cab	149.5"	6.7L Turbo Diesel	6,000		910	810	11,700	Z8K					
		6.4L Mid Duty Gas	5,500		1,110		10,800	Z8Q					
		5.7L HEMI Gas	5,250		970		10,700	Z8C					
8R92 Crew Cab	169.5"	6.7L Turbo Diesel	6,000		750	660	12,300	Z8H		770	670	14,000	Z8M
		6.4L Mid Duty Gas	5,500		1,030		11,400	Z8R		1020		14,000	Z8M
		5.7L HEMI Gas	5,250		870		11,300	Z8J		1030		13,300	Z8T

Note:

- Snowplow Kit Weight includes a 100 lbs. attaching hardware.
- Calculations are based upon vehicle with driver only, worst case seating and maximum options.
- N/R = Not Recommended for snowplow application
- SRW = Single Rear Wheel.
- DRW = Dual Rear Wheel.
- Minimum Plow Kit is 500 lbs
- Rounded down to the nearest 10 lbs.

Snowplow Packages (AHD) Availability on 2014 RAM 3500 4x4 Pickup Rambox Models

ST / Tradesman Rambox Model

4x4 Pickup		FGAWR	3500 SRW				Code	
w/Driver Only			Manual	Automatic	HD Trans	GVWR		
8L91 Crew Cab	149.5"	6.7L Turbo Diesel	6,000	950	980	890	11,700	Z9K
		6.4L Mid Duty Gas	5,500		1,210		10,800	Z9Q
		5.7 HEMI Gas	5,250		1,070		10,700	Z9C

SLT / Big Horn / Lone Star / Outdoorsman Rambox Model

4x4 Pickup		FGAWR	3500 SRW				Code	
w/Driver Only			Manual	Automatic	HD Trans	GVWR		
8H81 Mega Cab	160.5"	6.7L Turbo Diesel	6,000	790	830	730	12,400	Z8L
		6.4L Mid Duty Gas	5,500		1,110		11,400	Z8R
		5.7 HEMI Gas	5,250		970		11,300	Z8J
8H91 Crew Cab	149.5"	6.7L Turbo Diesel	6,000	900	930	840	11,700	Z8K
		6.4L Mid Duty Gas	5,500		1,150		10,800	Z8Q
		5.7 HEMI Gas	5,250		1,010		10,700	Z8C

Note:

- Snowplow Kit Weight includes a 100 lbs. attaching hardware.
- Calculations are based upon vehicle with driver only, worst case seating and maximum options.
- N/R = Not Recommended for snowplow application
- SRW = Single Rear Wheel.
- DRW = Dual Rear Wheel.
- Minimum Plow Kit is 500 lbs
- Rounded down to the nearest 10 lbs.

Snowplow Packages (AHD) Availability on 2014 RAM 3500 4x4 Pickup Rambox Models

Laramie Rambox Model

4x4 Pickup		FGAWR	3500 SRW				Code	
w/Driver Only			Manual	Automatic	HD Trans	GVWR		
8P81 Mega Cab	160.5"	6.7L Turbo Diesel	6,000	780	810	720	12,400	Z8L
		6.4L Mid Duty Gas	5,500		1,070		11,400	Z8R
		5.7 HEMI Gas	5,250		930		11,300	Z8J
8P91 Crew Cab	149.5"	6.7L Turbo Diesel	6,000	880	910	820	11,700	Z8K
		6.4L Mid Duty Gas	5,500		1,140		10,800	Z9Q
		5.7 HEMI Gas	5,250		990		10,700	Z8C

Longhorn / Limited Rambox Model

4x4 Pickup		FGAWR	3500 SRW				Code	
w/Driver Only			Manual	Automatic	HD Trans	GVWR		
8R81 Mega Cab	160.5"	6.7L Turbo Diesel	6,000		820	730	12,400	Z8L
		6.4L Mid Duty Gas	5,500		1,060		11,400	Z8R
		5.7 HEMI Gas	5,250		920		11,300	Z8J
8R91 Crew Cab	149.5"	6.7L Turbo Diesel	6,000		910	820	11,700	Z8K
		6.4L Mid Duty Gas	5,500		1,130		10,800	Z8Q
		5.7 HEMI Gas	5,250		990		10,700	Z8C

Note:

- Snowplow Kit Weight includes a 100 lbs. attaching hardware.
- Calculations are based upon vehicle with driver only, worst case seating and maximum options.
- N/R = Not Recommended for snowplow application
- SRW = Single Rear Wheel.
- DRW = Dual Rear Wheel.
- Minimum Plow Kit is 500 lbs
- Rounded down to the nearest 10 lbs.

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ELECTRICAL CONSIDERATIONS

HEADLAMPS

Each headlamp bulb is independently Pulse Width Modulated (PWM) controlled by an electronic control module. This module also monitors each bulb to detect failures (i.e. bulb burned out) on both the high beam and low beam filaments. When this failure occurs, the "LAMP OUT" telltale indicator in the instrument cluster will illuminate whenever the ignition is in the RUN position. The module also provides the DRL function when required and therefore there is no separate DRL controller.

Therefore, the any aftermarket wiring kits should use the following guidelines:

- Disconnection of the OEM headlamps will be interpreted by the electronic module as a burned out bulb therefore; it is recommended that the aftermarket lamps utilize the OEM headlamp circuits. NOTE – the aftermarket bulbs must draw no more current than the OEM bulbs (9007QL).
- Provide a means of allowing the customer to manually switch between the OEM headlamps and the aftermarket headlamps. Connection of both the OEM and aftermarket lamps at the same time will cause the control module to disable the circuit due to an overload condition and illuminate the "LAMP OUT" indicator in the instrument cluster.
- Also, assure that the OEM headlamps cannot be inadvertently disabled when the aftermarket lamps are disconnected (i.e. when the snowplow is not on the vehicle).
- Do NOT splice the right and left headlamp circuits together. Connection of both lamps to the same circuit will cause the control module to disable the circuit due to an overload condition and illuminate the "LAMP OUT" indicator in the instrument cluster.

TURN LAMPS

Each turn lamp - front driver, front passenger, rear driver, and rear passenger is independently controlled by an electronic control module. This module also monitors each bulb to detect failures (i.e. bulb burned out). When this failure occurs the "LAMP OUT" tell tale indicator in the instrument cluster will illuminate whenever the ignition is in the RUN position.

In order to successfully connect the plows turn signal lamps to the vehicle's wiring the following must be done:

- The front driver circuit is L61, 18 gauge WT/LG
- The front passenger circuit is L60, 18 gauge WT/TN

- Both L60 & L61 need to be spliced into in order to control a set of relays (please see attached drawing on page 5). These relays are necessary for proper function of the turn signals while the plow lamps are attached to the vehicle's electrical system. Failure to do so will cause the front turn signals to be inoperable or intermittent.

NOTE: The electronic module is only capable of detecting bulb failure in the vehicles lamps.

PARK LAMPS

The vehicle park/tail/license/marker/tailgate lamps are partitioned into three subsets – driver side, passenger side, and trailer tow connectors with the total vehicle load balanced between the driver and passenger side. Aftermarket wiring kits must have provisions that:

- Maintain separation between all three subsets. The preferred method for aftermarket park lamps is to use one of these circuits as a sense line to control a relay to activate aftermarket lamps. The relays power feed needs to be a fused battery feed provided by the kit
- If aftermarket park lamps need to be wired directly to the vehicle circuits. The load should be balanced between driver and passenger side, with neither side sourcing more than 2A of additional load current.
 - The driver side circuit is L161, 20 gauge WT/YL wire – see wiring schematics. The easiest place to find and splice into this circuit is in the harness bundle near the connection to the driver headlamp assembly
 - The passenger side circuit is L160, 20 gauge WT/GY wire – see wiring schematics. The easiest place to find and splice into this circuit is in the harness bundle near the connection to the passenger headlamp assembly

IGNITION RUN FEED

If required, the only location to obtain an ignition run feed is to splice into circuit F306. Circuit F306 18 gauge PK/YL is a dedicated Ignition Run feed to the Cigar Lighter.

The best location to splice into F306 is right at the connection into the back of the Cigar Lighter. This connection can be accessed by removing the center stack trim piece which the Cigar Lighter is mounted into. There will be two wires going into the connector. Circuit F306 is the 18



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gauge PK/YL wire. The other wire will be (Z736) BK/YL tracer.

The spliced in aftermarket wire should be a minimum 18 gauge high temperature rated wire due to the 20A fuse for the Cigar lighter.

The load placed on the aftermarket circuit should not exceed 2A. Exceeding 2A will potentially blow the Cigar Lighter fuse when activating the Cigar lighter and the aftermarket load simultaneously.

Note: Circuit F306 is an Ignition Run and ACCESSORY feed, meaning it will be hot with the ignition key in the Run position and also the Accessory position.

Note: If more than a 2A ignition feed is required, then the aftermarket application will have to add an external relay, with appropriate battery fusing and use the recommended F306 circuit to turn the relay on and off.

Note: There is no other acceptable place to find a vehicle Ignition Run source, in cab or underhood.



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