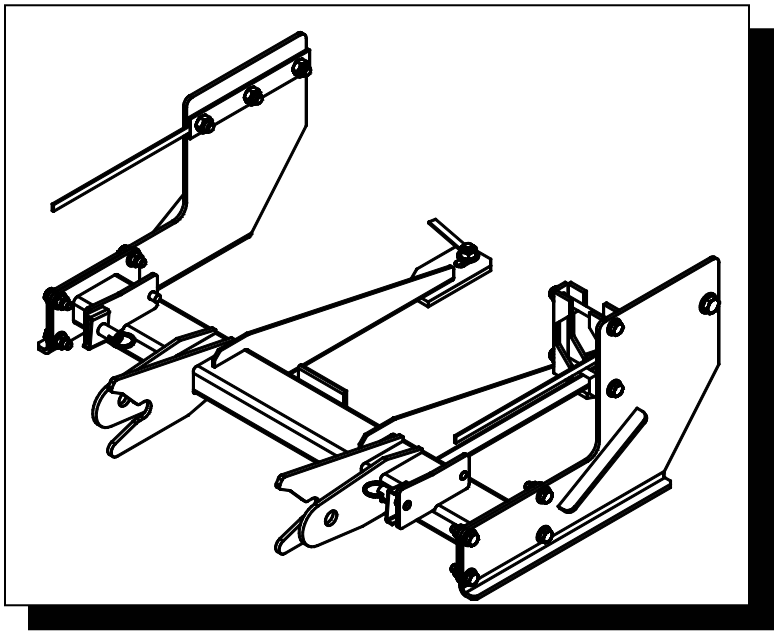
BLIZZARD®
SNOWPLOWS

UNDERCARRIAGE INSTALLATION INSTRUCTIONS



UNDERCARRIAGE **32188**

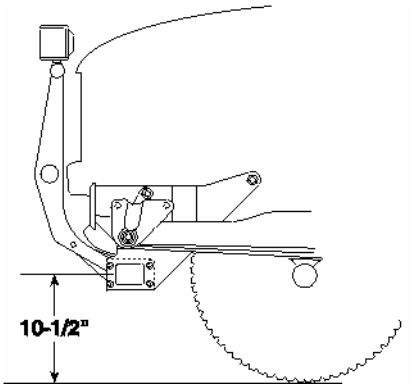
HARDWARE KIT **61549**

FOR MODELS:

DODGE DURANGO (2004-2006)

64111 3/14/06

INSTALLATION INSTRUCTIONS



The recommended push beam height for this undercarriage assembly is 10-1/2" from the center of the push beam to level ground. DO NOT exceed 12-1/2" in height for this undercarriage.

WARNING: Always perform vehicle undercarriage installations with the keys removed from the vehicle's ignition. Properly tag the ignition switch to alert others work is being performed on the vehicle.

Most newer trucks are equipped with driver and passenger's side air bags. DO NOT remove, disable, or reposition any sensory equipment related to the safe operation of the air bags.

ALWAYS follow the vehicle manufacturer's recommendations for installing snowplowing equipment.

FAILURE TO COMPLY WITH THE ABOVE WARNINGS MAY RESULT IN SERIOUS INJURY OR DEATH.

1. Disconnect all lamp harnesses and then remove the grill assembly and bumper. *NOTE: The plastic bumper fascia may need to be permanently removed or notched to accommodate the undercarriage.*

2. Position the driver's side hanger plate (**Ref 7**) on the outside of the frame behind the washer fluid/engine coolant reservoir. Attach the hanger plate to the frame with the clamp weldment (**Ref 8**). Secure the clamp with the bolts (**Ref 13**) and washers (**Ref 10**) from the outside of the frame with the washers (**Ref 10**) and nuts (**Ref 15**) on the inside of the frame. Finger tighten the fasteners until all undercarriage parts are in place.

3. Bolt the driver's side hanger plate to the pushbeam weldment (**Ref 1**) with bolts (**Ref 17**), washers (**Ref 14**) and nuts (**Ref 15**). *NOTE: Use a hydraulic floor jack to help facilitate the installation.*

4. Bolt the passenger's side hanger plate (**Ref 6**) to the pushbeam with additional bolts (**Ref 17**), washers (**Ref 14**) and nuts (**Ref 15**). *NOTE: Align the bottom of each hanger plate square with the pushbeam.*

5. Align the pushbeam support arms mount holes with the holes in the crossmember. The top of the passenger's side hanger plate should be flush with the top of the octagonal frame and the holes in the plate should be positioned in the middle of the frame face.

6. Level the pushbeam with the floor and tighten the pushbeam hardware to torque specifications. Mark the hole locations, 3 for the passenger side hanger plate and one rear hole for the driver's side hanger plate, on the frame.

7. Remove the undercarriage and drill the pilot holes with an 11/16" bit through the outside of the frame wall, only, in the marked locations. *NOTE: Use caution when drilling into the frame, hydraulic and/or electrical lines may be located on the interior of the frame.*

8. Reinstall the undercarriage and secure the support arms to the crossmember with bolts (**Ref 9**), washers (**Ref 10**) and tab wldmts (**Ref 12**). *NOTE: The tab weldments need to be inserted through the access holes at each end of the crossmember.*

9. Position the nut plate weldment (**Ref 11**) into the passenger's side frame and align it with holes drilled in the frame. Secure with bolts (**Ref 9**) and washers (**Ref 10**). *NOTE: The flat stock will not interfere with the bumper.*

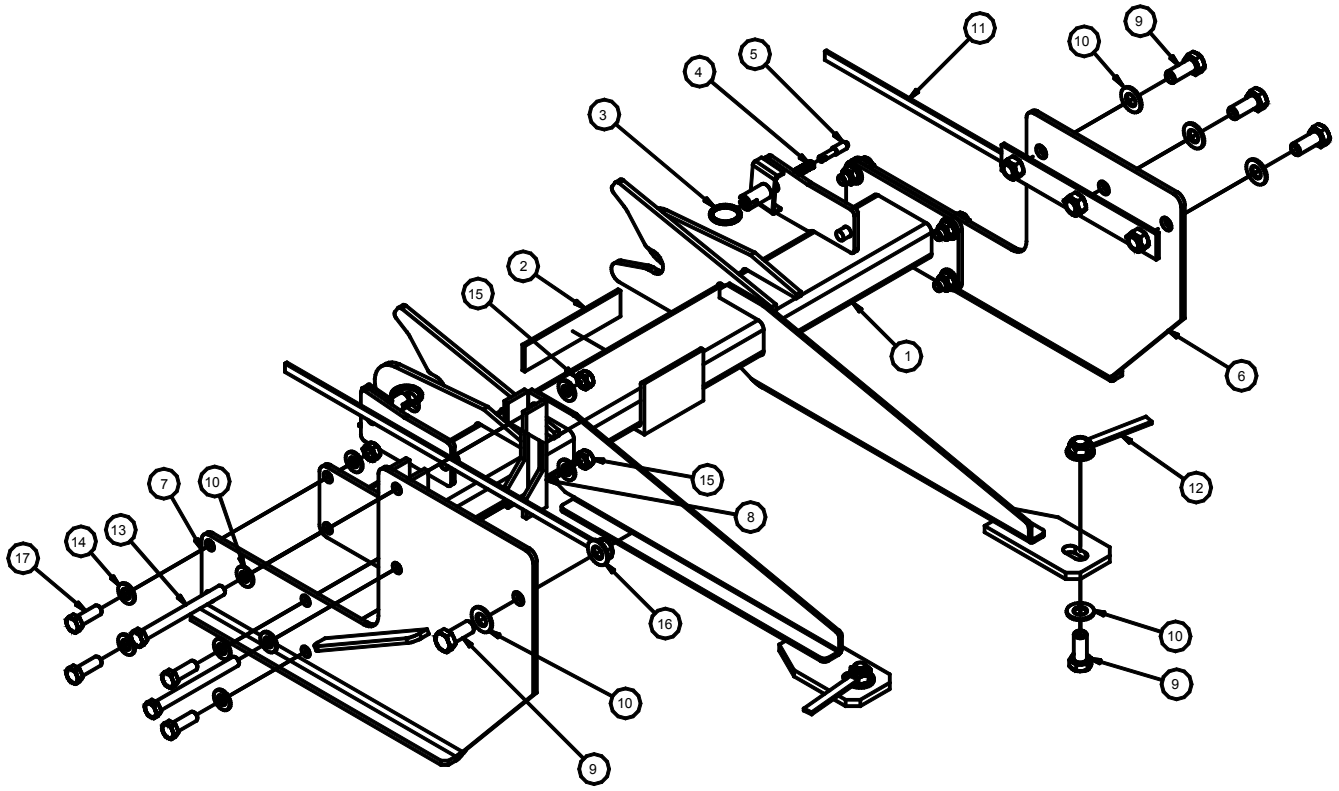
10. With the driver's side hanger plate clamped in place, position the nut plate weldment (**Ref 16**) into the frame aligned with the drilled hole. Secure with bolt (**Ref 9**) and washer (**Ref 10**). *NOTE: The flat stock will not interfere with the bumper.*

11. Tighten hanger plate hardware to torque specifications.

12. Replace the bumper and grill assembly. Reconnect the lamp harnesses.

13. Position the **Light Tower** into the mount pockets on the push beam. Each pocket has a lock pin that secures both light tower arms. Pull out and twist each ring handle to temporarily unlock the pins. Place the light tower into the pockets and relock the pins. Mount each **Plow Headlight** to the light tower with the hardware kit provided.

14. Plug the connectors from the snowplow headlights into the connectors on the vehicle wire harness. Adjust both lights with the plow in the raised position.



REF	PN	QTY	DESCRIPTION	NOTES
-	32188	1	Asm, Undercarriage	INCLUDES 1-17
-	61549	1	Kit, Hardware UC	INCLUDES 9-17
1	32194	1	Weldment, Push Beam 2 X 4 X 36	
2	63162	1	Decal, Push Beam 1-1/2" x 6-1/2"	
3	61309	2	Ring, Standard Split, 1.48" O.D	
4	61000	2	Spring, Draw Latch Lock Pin	
5	40079	2	Pin, 3/8" DIA. x 1-3/4" SS	
6	32190	1	Plate, Hanger Passenger's Side	
7	32189	1	Plate, Hanger Driver's Side	
8	32203	1	Clamp Wldmt, Driver's Side	
9	61338	6	Screw, 5/8-11 x 1-1/2 HHCS GR8 YZ	
10	61064	10	Washer, 5/8" SAE Hardened	
11	32195	1	Nut Plate Wldmt, 5/8-11 Top Lock with 12" flat stck	
12	31112	2	Tab Nut Wldmt, 5/8-11 Top Lock with welded tab	
13	61584	2	Screw, 1/2-13 x 5-1/2 HHCS GR8 YZ	
14	61026	16	Washer, 1/2" SAE Hardened	
15	61020	10	Nut, 1/2-13 Top Lock Z	
16	32197	1	Nut Plate Wldmt, 5/8-11 Top Lock with 21" flat stck	
17	61055	8	Screw, 1/2-13 x 1-1/2 HHCS GR8 YZ	

Note: The reference numbers listed identify parts shown in the illustration above. These numbers are specific to this illustration only. Always review the part number given for proper component identification. Blizzard reserves the right, under its Continuous Improvement Policy, to change construction or design details and furnish equipment when so altered without reference to illustrations or specifications.

HEADLIGHT CONVERSION HARNESS GUIDE

VEHICLE APPLICATION	HEADLIGHT CONNECTOR	HEADLIGHT DESCRIPTION	HEADLIGHT NUMBERS	CONVERSION HARNESS
1998-2003 DODGE DURANGO	**HB5**	**DUAL RECTANGULAR COMPOSITE HALOGEN**	**9007, H9007**	**62222**
2004-2006 DODGE DURANGO	**H13**	**DUAL RECTANGULAR HALOGEN LAMP**	**9008**	*****

Note: Headlight conversion harness kits are not included with undercarriages. All headlight conversion harness kits sold separately.
**NOTE: These vehicles do NOT require a separate conversion harness. Our lighting harness plugs directly into these lights and the truck harness.*

TORQUE SPECIFICATIONS (*For reference only*)



Grade Identification Marking for J429-Grade 5 Bolt



Grade Identification Marking for J429-Grade 8 Bolt

Nominal Thread Size	SAE J429 – Grade 5			Nominal Thread Size	SAE J429 – Grade 8		
	Clamp Loads (lbs)	Tightening Torque			Clamp Loads (lbs)	Tightening Torque	
		"Lubricated"	"Dry"			"Lubricated"	"Dry"
1/4-20	2,000	6 ft-lbs	8 ft-lbs	1/4-20	2,850	9 ft-lbs	12 ft-lbs
5/16-18	3,350	13 ft-lbs	18 ft-lbs	5/16-18	4,700	18 ft-lbs	25 ft-lbs
3/8-16	4,950	23 ft-lbs	31 ft-lbs	3/8-16	6,950	32 ft-lbs	44 ft-lbs
7/16-14	6,800	37 ft-lbs	50 ft-lbs	7/16-14	9,600	53 ft-lbs	70 ft-lbs
1/2-13	9,050	57 ft-lbs	75 ft-lbs	1/2-13	12,800	80 ft-lbs	107 ft-lbs
9/16-12	11,600	82 ft-lbs	109 ft-lbs	9/16-12	16,400	115 ft-lbs	154 ft-lbs
5/8-11	14,500	113 ft-lbs	151 ft-lbs	5/8-11	20,300	159 ft-lbs	211 ft-lbs
3/4-10	21,300	200 ft-lbs	266 ft-lbs	3/4-10	30,100	282 ft-lbs	376 ft-lbs
7/8-9	29,435	321 ft-lbs	430 ft-lbs	7/8-9	41,550	454 ft-lbs	606 ft-lbs
1-8	38,600	482 ft-lbs	640 ft-lbs	1-8	54,540	680 ft-lbs	900 ft-lbs



Grade Identification Marking for Metric-Grade 8.8 Bolt



Grade Identification Marking for Metric-Grade 10.9 Bolt

Diameter (mm)	Metric Class 8.8			Diameter (mm)	Metric Class 10.9		
	Clamp Loads (Pounds)	Tightening Torque			Clamp Loads (Pounds)	Tightening Torque	
		"Lubricated"	"Dry"			"Lubricated"	"Dry"
5	1,389	3 ft-lbs	5 ft-lbs	5	1,987	5 ft-lbs	7 ft-lbs
6	1,965	6 ft-lbs	8 ft-lbs	6	2,812	8 ft-lbs	11 ft-lbs
7	2,826	10 ft-lbs	13 ft-lbs	7	4,044	14 ft-lbs	19 ft-lbs
8	3,579	14 ft-lbs	19 ft-lbs	8	5,121	20 ft-lbs	27 ft-lbs
10	5,672	28 ft-lbs	37 ft-lbs	10	8,116	40 ft-lbs	53 ft-lbs
12	8,243	49 ft-lbs	65 ft-lbs	12	11,796	70 ft-lbs	92 ft-lbs
14	11,246	77 ft-lbs	103 ft-lbs	14	16,092	111 ft-lbs	148 ft-lbs
16	15,882	125 ft-lbs	167 ft-lbs	16	21,970	173 ft-lbs	231 ft-lbs
18	19,423	172 ft-lbs	229 ft-lbs	18	26,868	238 ft-lbs	317 ft-lbs
20	24,784	244 ft-lbs	325 ft-lbs	20	34,284	338 ft-lbs	450 ft-lbs

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