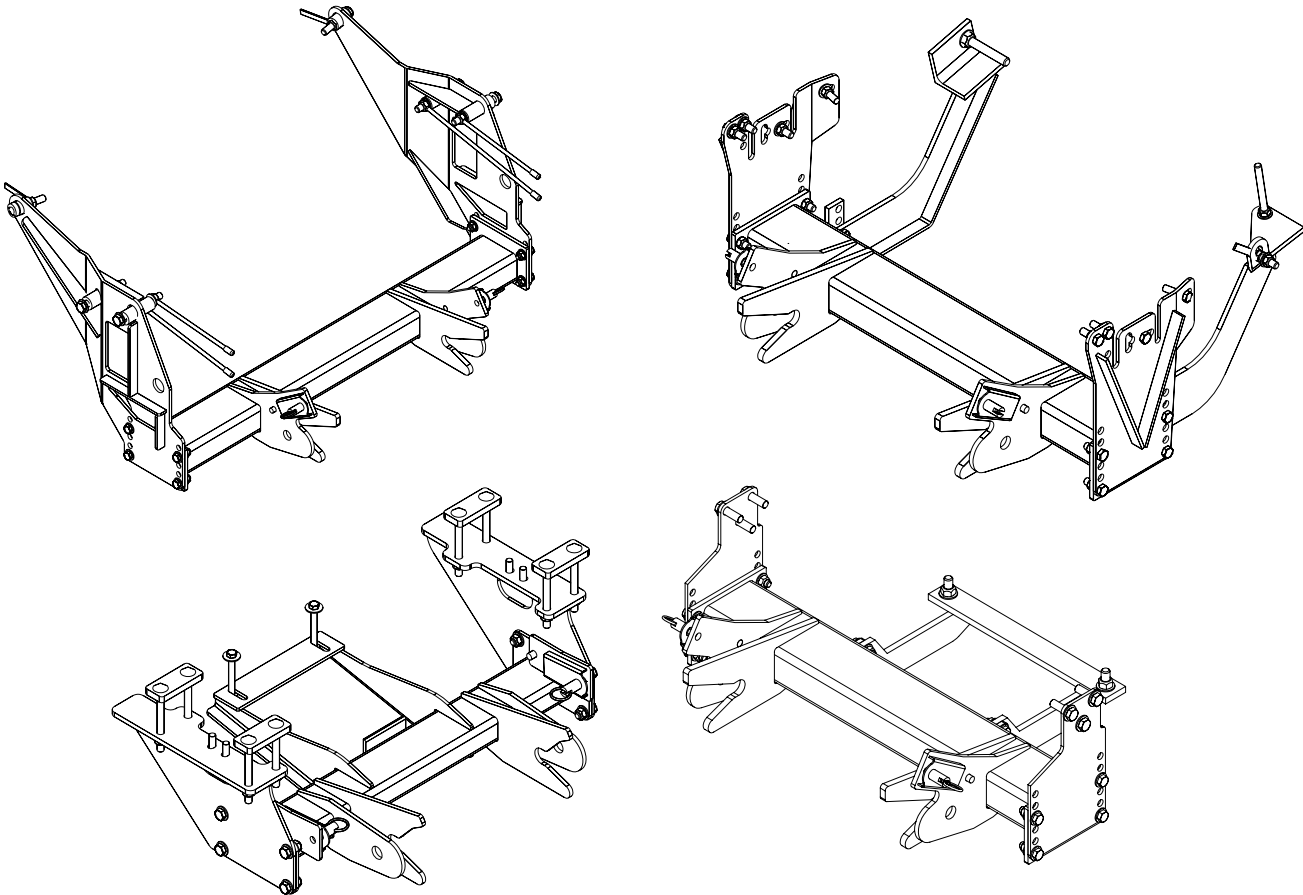




**UNDERCARRIAGE AND LIGHT CONVERSION HARNESS  
SELECTION GUIDE**



**ABOUT THE SELECTION GUIDE**

The Blizzard® Snowplows Undercarriage & Light Conversion Harness Selection Guide is a complete record of available undercarriage mounts and light conversion harness kits for use with Blizzard snowplows.

Additional undercarriage mounts and headlight conversion harnesses are continually being developed and will be added to this selection guide as they become available.

**BLIZZARD CORPORATION 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.**

This guide provides recommended snowplow model applications for specific identified vehicle models. The use of this information by an authorized Blizzard dealer, or any person referencing or using this guide, for use in the process of a Blizzard snowplow installation, is solely the responsibility of that person or persons. Blizzard Corporation does not assume liability for damage to the purchaser's vehicle resulting from the attachment and use of a Blizzard snowplow. Vehicle risk is the sole responsibility of the purchaser. For additional information, review the Limited Consumer and Commercial Warranty documents at the back of this guide. These documents contain information regarding the term of warranty, warranty remedy, customer responsibility and warranty limitations for Blizzard Power Plow snowplows and Blizzard straight blade snowplows.

**SAFETY**

Review the Safety Precautions & Snowplow Undercarriage Installation Recommendations prior to performing an installation.

**UNDERCARRIAGE MOUNTS**

All truck-mounted Blizzard snowplows require an undercarriage mount to properly attach the snowplow to the vehicle. All available undercarriages (at the time of publication of this guide) can be referenced on the following pages.

In the event a Blizzard snowplow undercarriage mount does not fit, or requires modifications for proper installation (for a vehicle specified in the selection guide), complete the Undercarriage Modification Notice form. Fax the document to Blizzard Engineering at 906-482-5445 or mail the document to: Blizzard Corporation Attn: Blizzard Engineering 95 Airpark Boulevard Calumet, MI 49913

**LIGHT CONVERSION KITS**


Review the Light Conversion Kits to familiarize yourself with the construction of each Blizzard snowplow light conversion harness. The conversion harness kits are used to connect the vehicle headlights and original vehicle electrical harness to the main lighting harness on the snowplow vehicle electrical harness. *Note: Due to the differences in the construction of the headlight conversion harnesses, and the various make and model vehicles Blizzard snowplows can be installed on, light conversion harness kits are not included with the purchase of (or packaged with) a truck-mounted Blizzard snowplow.*


*NOTE: The 64# on the lower left corner of the front cover is the part number for this manual. The letter in the box indicates the revision level.*


**TABLE OF CONTENTS**


Safety..... 3  
 GM Selection Guide..... 4  
 GM Conversion  
 Harness Guide..... 5  
 Ford Selection Guide..... 6  
 Ford Conversion  
 Harness Guide..... 7  
 Dodge Selection Guide..... 8  
 Dodge Conversion  
 Harness Guide..... 9  
 Misc. Selection Guide..... 10  
 Misc. Conversion  
 Harness Guide..... 11  
 Installation Instructions for  
 Conversion Harnesses..... 12  
 Connector/Light Conversion  
 Harness Cross Ref. .... 13  
 Headlight Conversion Kit-Part Number  
 Cross Reference..... 14  
 62235..... 15  
 2005 Ford Installation..... 16  
 Non-Ford Installation..... 17  
 62220..... 18  
 62221..... 20  
 62222..... 22  
 62223..... 24  
 62224..... 26  
 62225..... 28  
 62226..... 30  
 62227..... 32  
 62228..... 34  
 62229..... 36  
 62230..... 38  
 62238..... 40  
 62239..... 42  
 62231..... 44  
 Undercarriage  
 Modification Notice..... 45  
 Warranty..... 46


# SAFETY PRECAUTIONS AND SNOWPLOW UNDERCARRIAGE INSTALLATION RECOMMENDATIONS


 **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.

 **WARNING:** ALWAYS attach a "DO NOT OPERATE" tag to the ignition switch and/or steering wheel in the cab of the vehicle to alert others that service or maintenance is being performed. If necessary, place additional warning tags around the vehicle. Serious injury or death could occur if the engine is started and the vehicle and/or snowplow are moved while performing service or maintenance.

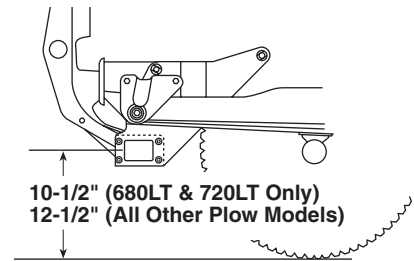
 **WARNING:** Most newer trucks are equipped with driver and passenger's side air bags. DO NOT remove, disable, or reposition any sensory equipment related to the safe operation of the air bags.

 **WARNING:** Vehicles equipped with air bags are designed to be activated in a frontal collision equivalent to hitting a solid object or barrier at approximately 14 mph or more. Careless or high speed driving while plowing snow, which results in vehicle impact deceleration equivalent to or greater than the airbag deployment threshold described above, would deploy the airbag. Review your vehicle Owner's Manual for specific information regarding airbag deployment.

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

 **CAUTION:** Always follow the maintenance guidelines in a timely manner. Failure to observe maintenance guidelines may result in poor snowplow operation, increased component wear or possibly lead to part failure.


- Note: Vehicles equipped with Blizzard Snowplows are recommended to be equipped with the vehicle manufacturer's recommended snowplow options (i.e. Snowplow prep packages).
- Note: The installation, modification or addition of accessories to Blizzard snowplow undercarriage mounts and/or snowplows must be in compliance with published Blizzard snowplow recommendations and instructions.
- Note: For some snowplow applications, it may be necessary to use a form of load boosting device to accommodate a snowplow installation. The use of suspension airbags, booster springs, Timbren kits or other similar load boosting devices is the responsibility of the snowplow purchaser. The selection, installation and purchase of load boosting devices is also the responsibility of the purchaser.
- Note: For some snowplow applications, it may be necessary to use a form of ballast to provide increased vehicle traction or maximum braking and handling. The use of ballast, such as sand bags, etc., is the responsibility of the snowplow purchaser. The selection, installation and purchase of ballast devices is also the responsibility of the purchaser.
- Note: For proper undercarriage installation, the vehicle must be parked on a level surface.
- Note: The recommended push beam height for Models 680LT and 720LT Blizzard straight blade snowplows is 10-1/2" from the center of the push beam to level ground. DO NOT exceed 12-1/2" in height for this push beam installation. Review the diagram to the right.
- Note: The recommended push beam height for Blizzard snowplow models 760LT, 760, 800, 860 810 and 8611 is 12-1/2" from the center of the push beam to level ground. DO NOT exceed 14-1/2" in height for these push beam installations. Review the diagram to the right.
- Note: Routinely inspect all undercarriage mount hardware for tightness. Review the recommended maximum bolt torque chart in your Blizzard snowplow Operation & Assembly manual.
- Note: Routinely clean and lubricate all electrical plugs, headlight connections, ground and battery cables, solenoid connections and switch connections to prevent corrosion. Apply dielectric grease for every 25 hours of snowplow use. You may need to grease more frequently depending on your plowing environment.
- Note: Follow all maintenance guidelines indicated in your Blizzard snowplow Operation & Assembly manual.
- Note: Follow all safety and warning labels indicated on the snowplow and/or in your Blizzard snowplow Operation & Assembly manual.



The recommended push beam height for the 680LT & 720LT undercarriage assembly is 10-1/2" from the center of the push beam to level ground.

The recommended push beam height for all other truck-mounted snowplow models is 12-1/2".

DO NOT exceed 12-1/2" (680LT & 720LT Only) or 14-1/2" (All other models) in height for these undercarriage assemblies.

 **CAUTION:** If your vehicle is equipped with oversize tires, they may come into contact with the undercarriage hanger plates when turning the vehicle.

The problem may be resolved by setting the steering stops on the vehicle. If this does not correct the problem, the original tires will need to be installed on the vehicle.

GM SELECTION GUIDE

VEHICLE MODEL APPLICATION	BLIZZARD MOUNT PN	SNOWPLOW MODEL APPLICATION											
		680LT	720LT	760LT	760SW	760	800	860	860SW	810	8611LP	8611	
04-05 COLORADO/CANYON	30186	X	X										
91-93 SONOMA	30185	X	X										
83-94 S10 BLAZER/JIMMY													
83-93 S10 PICKUP													
83-91 S15 JIMMY													
83-90 S15 PICKUP	30174	X	X										
04-05 ENVOY													
02-05 TRAILBLAZER	30152	X	X										
95-03 BLAZER/JIMMY													
95-02 OLDS BRAVADA													
94-03 S10 PICKUP/SONOMA	30141	X	X										
95-05 BLAZER ZR2/JIMMY ZR2													
94-05 S10 ZR2/SONOMA ZR2	30080												
92-00 K1500 YUKON													
94-99 K1500 TAHOE													
92-99 K1500 SUBURBAN					X	X							
92-94 K1500 BLAZER													
88-98 K1500 PICKUP	30087												
02-05 K1500 AVALANCHE													
00-05 K1500 TAHOE/YUKON/YUKON XL					X	X							
00-05 K1500 SUBURBAN													
99-05 K1500 SILVERADO/SIERRA	30088												
99-05 K1500 SILVERADO/SIERRA W/ 3" LIFT					X	X							
80-91 K1500 BLAZER/JIMMY	30089												
80-91 K10/K1500 SUBURBAN					X	X							
80-87 K10/K1500 PICKUP													
02-05 K2500 AVALANCHE	30042						X	X	X	X			
01-03 K1500 HD SILVERADO/SIERRA							X	X	X	X	X	X	
01-05 K3500 PICKUP								X	X	X	X	X	
00-05 K2500 SUBURBAN/YUKON XL								X	X	X			
99-05 K2500 SILVERADO/SIERRA								X	X	X	X	X	
92-99 K2500 SUBURBAN								X	X	X	X		
88-00 K2500 PICKUP	30043						X	X	X	X	X		
88-00 K3500 PICKUP								X	X	X	X	X	
82-91 K20/K2500 SUBURBAN	30055						X	X	X	X			
82-87 K20/K2500 PICKUP							X	X	X	X	X	X	
82-87 K30/K3500 PICKUP								X	X	X	X	X	
91-02 CHEV. C3500 HD CHASS. CAB (2WD)	30071						X	X	X	X	X	X	
91-01 GMC C3500 HD CHASS. CAB							X	X	X	X	X	X	
88-00 C3500 (2WD)								X	X	X	X	X	
03-04 C4500/5500 (2WD)	30172											X	
05 K4500/5500 (4WD)	30191											X	

GM LIGHT CONVERSION HARNESS GUIDE

VEHICLE MODEL APPLICATION	HEADLIGHT CONVERSION HARNESS APPLICATION													
	62220	62221	62222	62223	62224	62225	62226	62227	62228	62229	62230	62231	62238	62239
04-05 COLORADO/CANYON SPORT L4, Z71, Z71LS, Z85, Z85LS	X				X									
04-05 TRAILBLAZER/ENVOY EXT LS, EXT LT, LS, LT											X			
02-03 TRAILBLAZER/ENVOY EXT LS, EXT LT, LS, LT				X	X									
98-03 S10 PICKUP/BLAZER/JIMMY/SONOMA				X	X									X
98-02 OLDS BRAVADA				X	X									X
95-97 OLDS BRAVADA	X			X					X				X	
83-97 S10 PICKUP/BLAZER S15-JIMMY/PICKUP/SONOMA	X			X					X					
03 K1500 HD SILVERADO/SIERRA	X			X					X					
01-02 K1500 HD SILVERADO/SIERRA				X										
03 K1500 SILVERADO/SIERRA					X									
99-02 K1500 SILVERADO/SIERRA				X										
03-05 K1500 AVALANCHE/YUKON XL					X									
02 K1500 AVALANCHE				X										
03-05 K1500 TAHOE LS, LT, Z71/YUKON SLE, SLT, DENALI, DENALI XL, 1500 SLE, 1500 SLT, 2500 SLE, 2500 SLT					X									
00-02 K1500 TAHOE/YUKON/YUKON XL				X										
94-99 K1500 TAHOE	X			X		X								
92-00 K1500 YUKON	X			X		X								
03-05 K1500 SUBURBAN				X		X								
00-02 K1500 SUBURBAN					X									
92-99 K1500 SUBURBAN	X			X		X								
80-91 K10/K1500 SUBURBAN	X					X		X						
92-94 K1500 BLAZER	X			X		X								
88-98 K1500 PICKUP	X			X		X								
80-91 K1500 BLAZER/JIMMY	X					X		X						
80-87 K10/K1500 PICKUP	X					X		X						
03-05 K2500 SILVERADO 2500HD, 3500/SIERRA 2500HD, 3500, DENALI				X										
99-02 K2500 SILVERADO/SIERRA					X									
03-05 K2500 AVALANCHE/YUKON XL				X										
02 K2500 AVALANCHE					X									
00-02 K2500 YUKON XL					X									
03 K2500 SUBURBAN				X										
00-02 K2500 SUBURBAN					X									
92-99 K2500 SUBURBAN	X			X		X								
73-91 K20/K2500 SUBURBAN	X					X		X						
88-00 K2500/K3500 PICKUP	X			X		X								
73-87 K20/K2500 K30/K3500 PICKUP	X					X		X						
03 K3500 PICKUP				X										
01-02 K3500 PICKUP					X									
91-02 CHEV.C3500 HD CHASS. CAB	X			X	X	X								
91-01 GMC C3500 HD CHASS. CAB	X			X	X	X								
88-00 C3500	X			X	X	X								
03 C4500/5500	X													
04 C4500/5500	X							X						
05 K4500/5500	X							X						
<b>Note: Some vehicle applications may have more than one headlight conversion harness identified. If so, please review conversion harness diagrams to help determine which conversion harness is needed.</b>														

**FORD SELECTION GUIDE**

VEHICLE MODEL APPLICATION	BLIZZARD MOUNT PN	SNOWPLOW MODEL APPLICATION										
		680LT	720LT	760LT	760SW	760	800	860	860SW	810	8611LP	8611
01-05 EXPLORER SPORT TRAC	31142											
98-01 MOUNTAINEER												
94-02 MAZDA B3000/B4000 PICKUP		X	X									
91-01 EXPLORER												
83-05 RANGER PICKUP												
83-90 BRONCO II												
02-05 EXPLORER	31159	X	X									
02-03 F-150 FX4 PICKUP	31085			X	X							
99-03 EXPEDITION												
98-03 F-150 PICKUP	31046			X	X							
92-96 F-150 PICKUP	31056			X	X							
92-96 BRONCO												
80-91 F-150 PICKUP	31074			X	X							
80-91 BRONCO												
04-05 F-150 PICKUP	31184			X	X							
04-05 EXPEDITION	31193			X	X							
92-98 F-250 HD PICKUP	31036					X	X	X	X	X	X	
92-98 F-350 PICKUP												
80-91 F-250/F-350 PICKUP	31041					X	X	X	X	X	X	
99-05 F-250/F-350/F-450/F-550 SUPER DUTY PICKUP	31219					X	X	X	X	X	X	
00-05 EXCURSION												
02 MOUNTAINEER	31237	X	X									









**MISC. SELECTION GUIDE**

VEHICLE MODEL APPLICATION	BLIZZARD MOUNT PN	SNOWPLOW MODEL APPLICATION										
		680LT	720LT	760LT	760SW	760	800	860	860SW	810	8611LP	8611
99-03 FL 40/50/60/70	33038											X
99-04 MITSUBISHI FUSO FG	33010											X
98-04 NISSAN FRONTIER	35028	X	X									
05 NISSAN FRONTIER												
86.5-97 NISSAN PICKUP	35037	X	X									
04-05 NISSAN TITAN	35065	X	X									
95-04 TOYOTA TACOMA	35018	X	X									
05 TOYOTA TACOMA												
00-05 TOYOTA TUNDRA	35045	X	X									
04-05 KUBOTA RTV900	35062	X	X									
05 BOBCAT 2200	35101	X	X									

MISC. LIGHT CONVERSION HARNESS GUIDE

VEHICLE MODEL APPLICATION	HEADLIGHT CONVERSION HARNESS APPLICATION													
	62220	62221	62222	62223	62224	62225	62226	62227	62228	62229	62230	62231	62238	62239
99-03 FL 40/50/60/70	X							X						
99-04 MITSUBISHI FUSO FG	X							X						
01-04 NISSAN FRONTIER			X											
98-00 NISSAN FRONTIER	X	X												
86.5-97 NISSAN PICKUP	X	X												
95-04 TOYOTA TACOMA	X													
00-05 TOYOTA TUNDRA	X													
04-05 NISSAN TITAN					X							X		
Note: Some vehicle applications may have more than one headlight conversion harness identified. If so, please review conversion harness diagrams to help determine which conversion harness is needed.														

## **GENERAL INSTALLATION INSTRUCTIONS FOR ALL HEADLIGHT CONVERSION HARNESSES**

- 1** Verify the original vehicle equipment is in proper working order. Test the vehicle headlights (high and low beam), turn signals and run lights. Verify fog lamps or other optional lighting equipment is also in good working order if so equipped.
- 2** Remove the existing vehicle headlight connector from the headlight.
- 3** Plug the headlight conversion harness into the vehicle headlight receptacle. Note: If more than one plug is present, match the colors of each connector (gray to gray, black to black, Chevrolet daylight running: clear to gray, etc.).
- 4** Connect the existing vehicle headlight connector into the headlight conversion harness.
- 5** Plug the black connector on the headlight conversion harness into the connector on the vehicle wire harness.
- 6** Verify the vehicle and plow headlights are in proper working condition, including the turn lights. Adjust the plow headlight beams as needed.

NOTE: Ford changed their lights in 2004 on the F-150's and 2005 on the F-250-F-550's. These vehicles do NOT require a separate conversion harness. Our new lighting harness plugs directly into these lights and the truck harness. See following diagrams for the Ford's and other vehicles.

**CONNECTOR/CONVERSION HARNESS CROSS REFERENCE**

CONVERSION HARNESS	CONNECTOR PN	DESCRIPTION	HEADLIGHT PN
62220	HB2, H4, 2B/2D	DUAL RECTANGULAR OR DUAL ROUND	9003, 6014/H6014, H6017, 6052, H6024, H6059, H6054/HP6054, H-54
62221	HB1	DUAL RECTANGULAR COMPOSITE HALOGEN	9004/H9004
62222	HB5	DUAL RECTANGULAR COMPOSITE HALOGEN	9007/H9007
62223	HB3/HB4	QUAD COMPOSITE HALOGEN	H9005, H9006
	HB3/HB6	QUAD COMPOSITE HALOGEN	
62224	HB3/HB4	QUAD COMPOSITE HALOGEN	H9005, H9006
62225	LF/JF	QUAD LOW PROFILE RECTANGULAR	H4701, H4703
62226	HB1/HB5	QUAD COMPOSITE HALOGEN	9004/H9004, 9007/H9007
62227	1A/2A	QUAD RECTANGULAR HEADLAMP	4651, H4651, 4652, H4652, H4656, H4662, HP6054
62228	2E	DUAL RECTANGULAR (SMALL) HALOGEN	H4666, H6545, HP6545
62229	HB3/HID	DUAL ROUND HIGH INTENSITY DISCHARGE LAMP	H9005, D1R-HID MODULE
62230	HB3/HB4	QUAD COMPOSITE HALOGEN	H9005, H9006
62231	HB3/HB4	QUAD COMPOSITE HALOGEN	H9005, H9006
<b>Note: 62228 Headlight conversion harness construction may contain loose spade terminals or a molded connector. Use a test light to determine the correct connections for each terminal.</b>			
<b>Note: 62238 "B" Commons; The switch between high and low beams is on the negative (ground) side of the headlight bulb. Daytime running lights are run through the high beam bulbs.</b>			
<b>Note: 62239 "A" Commons; The switch between high and low beams is on the negative (ground) side of the headlight bulb. Daytime running lights are run through the high beam bulbs.</b>			

Blizzard Corporation

Headlight Conversion Kit - Part Number Cross Reference

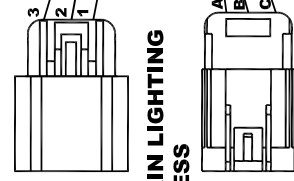
6/23/2005

Details of New Release or Change			
	Part Number		Item Description
	New Number	Old Number	
1	62220	62010	Kit-Light Conversion Harness: New Release
2	62221	62011	Kit-Light Conversion Harness: New Release
3	62222	62012	Kit-Light Conversion Harness: New Release
4	62223	62013	Kit-Light Conversion Harness: New Release
5	62224	62014	Kit-Light Conversion Harness: New Release
6	62225	62015	Kit-Light Conversion Harness: New Release
7	62226	62050	Kit-Light Conversion Harness: New Release
8	62227	62051	Kit-Light Conversion Harness: New Release
9	62228	62053	Kit-Light Conversion Harness: New Release
10	62229	62170	Kit-Light Conversion Harness: New Release
11	62230	62197	Kit-Light Conversion Harness: New Release
12	62231	62199	Kit-Light Conversion Nissan Titan: New Release
13	N/A	62052	Separate Light Conversion Harness Not Required
14	62235	N/A	Kit-Harness-2005 Lighting Conversion Harness to 2004 Light Adapter - (2 harnesses per kit)
15			
16	62238	62171	Kit-Light Conversion Harness: New Release
17	62239	62054	Kit-Light Conversion Harness: New Release
18			
19			
23			
24			
25			
26			
27			
28			
29			
30			

4 3 2 1

- A = COMMON (WHT/RED)
- B = HIGH BEAM (YEL)
- C = LOW BEAM (LT GRN)
- D = HIGH BEAM FEED (YEL/RED)
- E = LOW BEAM (L GRN/RED)

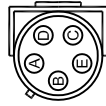
- 1 = LOW BEAM (L GREEN)
- 2 = COMMON (WHITE/RED)
- 3 = HIGH BEAM (YELLOW)



TO MAIN LIGHTING HARNESS



TO LIGHT ADAPTER HARNESS



TWO HARNESSES REQUIRED PER KIT

COMMENTS: This is a preliminary drawing. It is the property of International Harvester Company. It is not to be copied, reproduced, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of International Harvester Company.		
UNLESS OTHERWISE SPECIFIED	STRUCTURAL	INCHES
THREE PLACE DECIMALS:	1/32"	1/32"
FOUR PLACE DECIMALS:	1/64"	1/64"
ONE PLACE DECIMAL:	1/8"	1/8"
ANGLES:	3°-11'	3°-11'
THIRD ANGLE PROJECTION		
DRAWN	DATE	DATE
CHECKED	DATE	DATE

**BLIZZARD CORPORATION**

95 AIRPARK BOULEVARD, CALLUMET, IL 60913  
 PH: (815) 482-2555, FX: (815) 482-2445, www.blizzardplows.com

TITLE		KIT-HDLIGHT CONVER. HARN. TO LIGHT ADAPTER	
SCALE	SIZE	DWG NO	REV
B	NONE	62235	1
SHEET		1 OF 1	

B

A

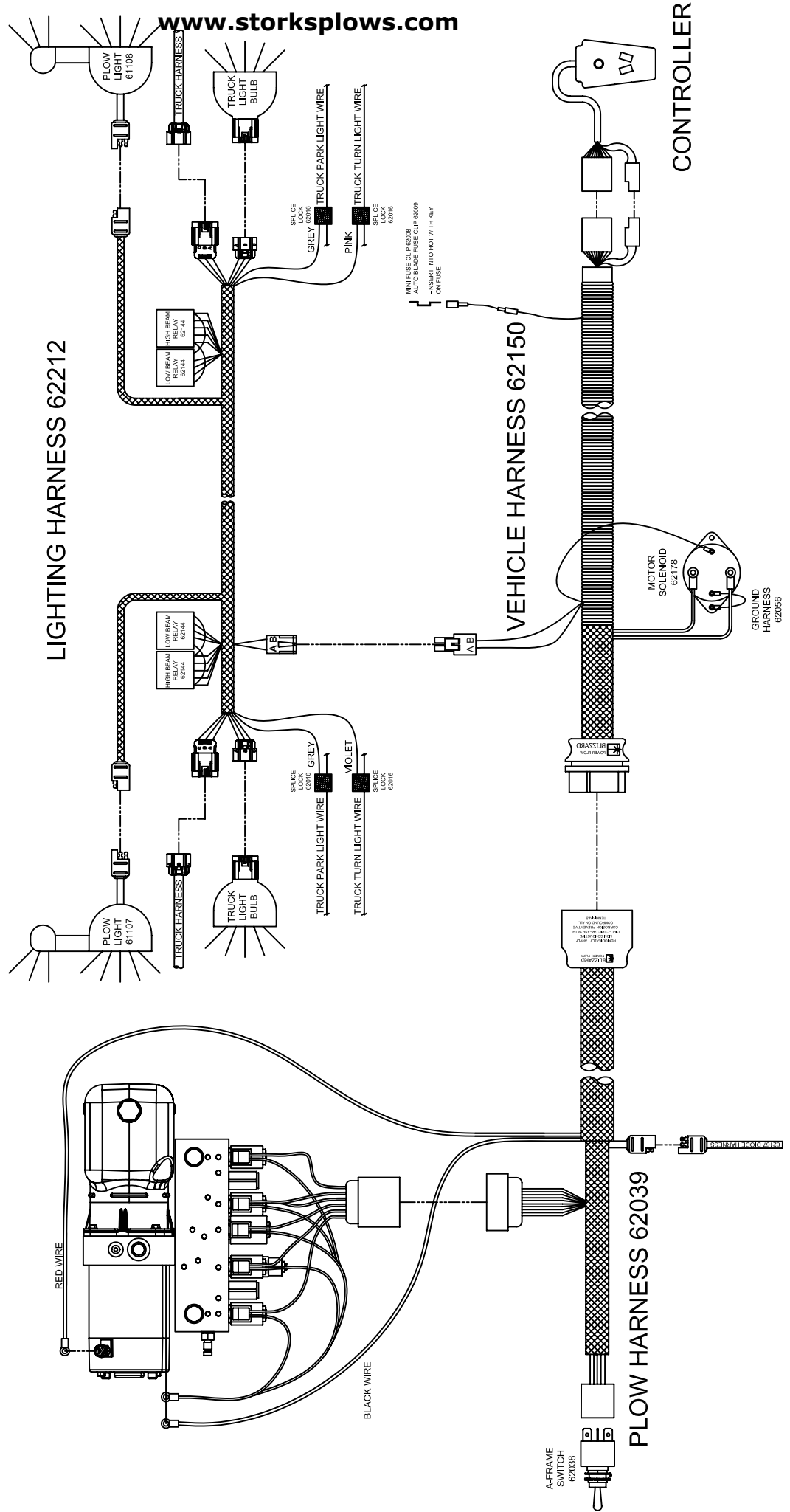
B

A



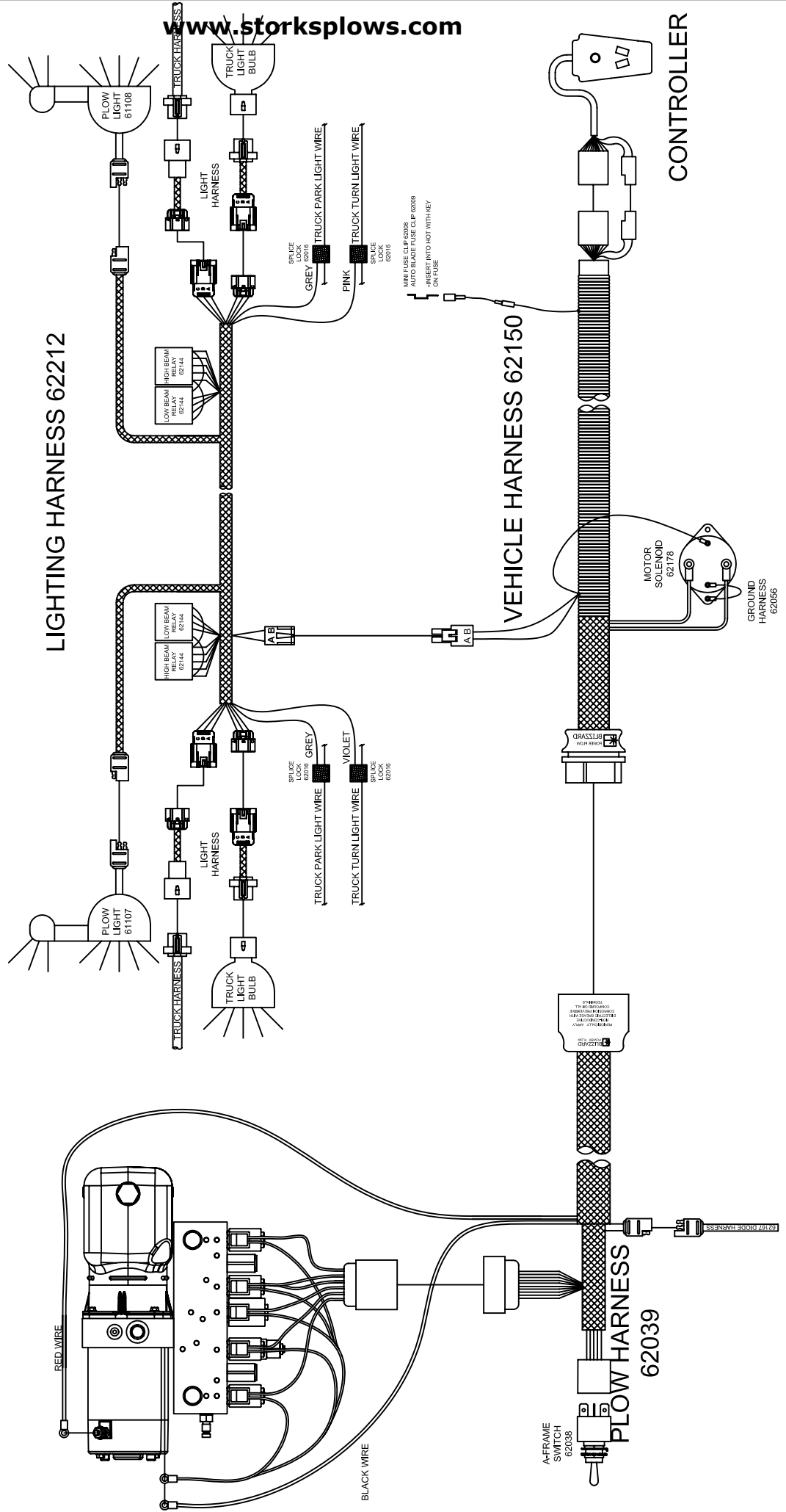
4 3 2 1

# FORD 2004-F150, 2005 F-150-F550

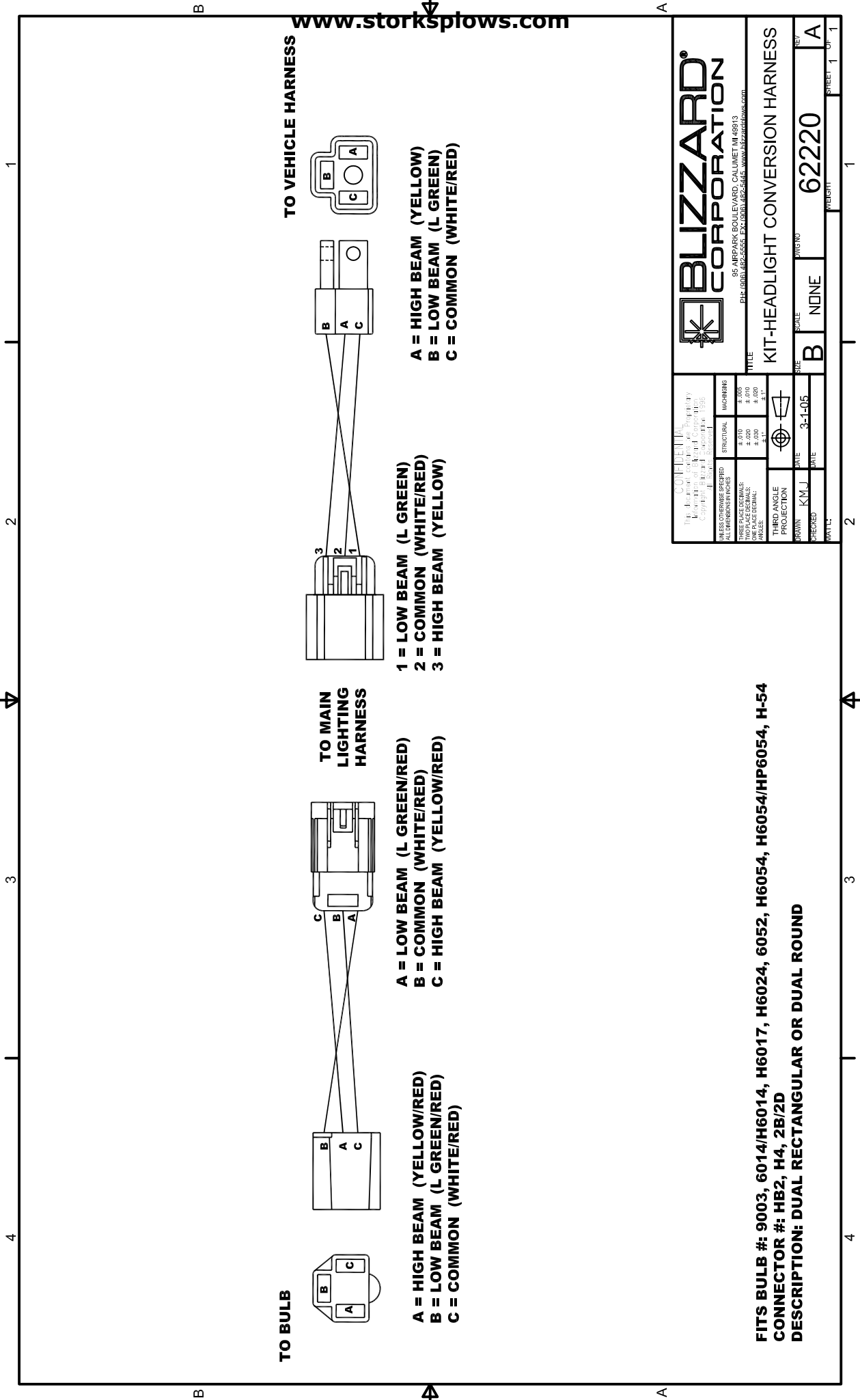




# OTHER VEHICLES



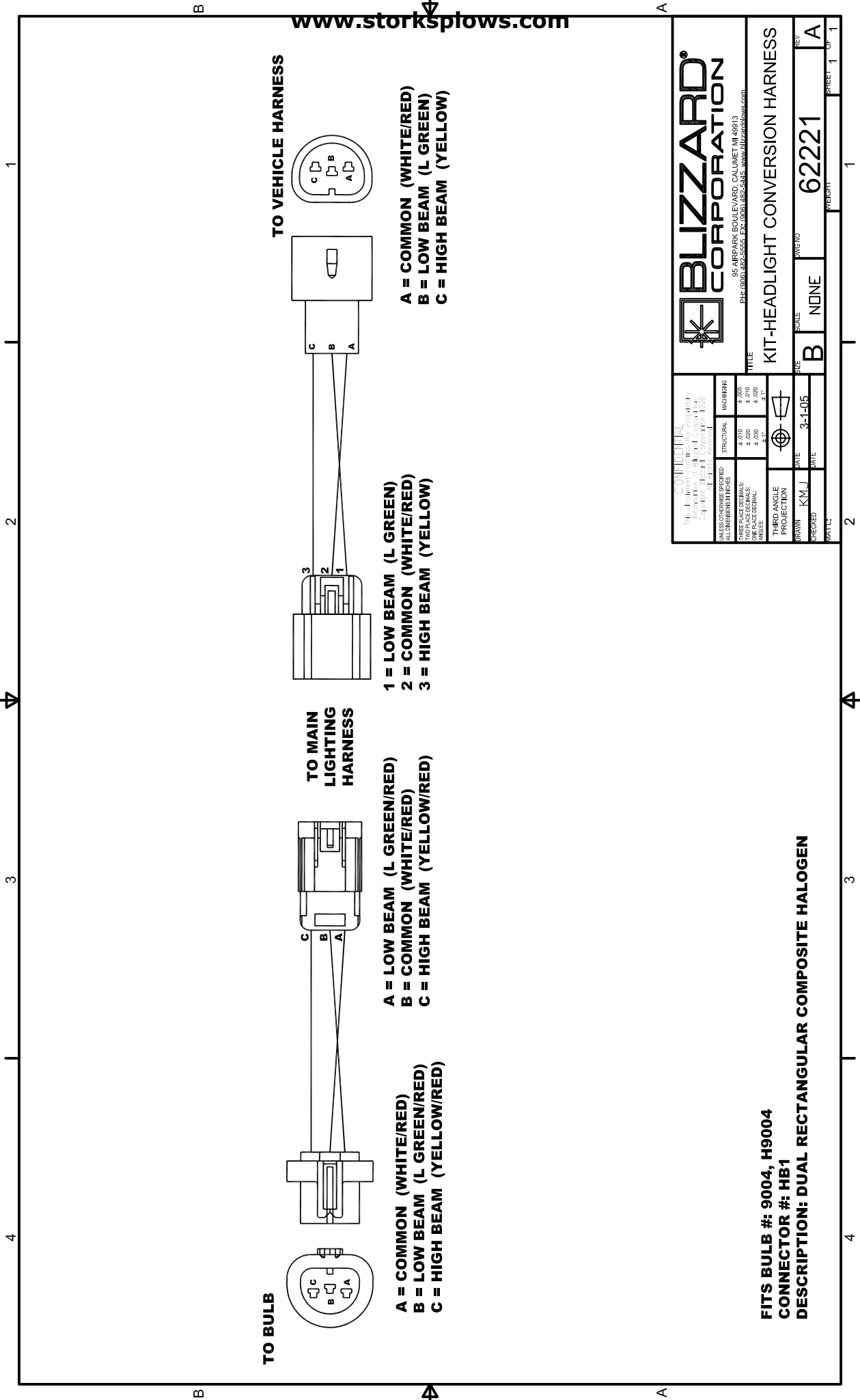
LIGHT CONVERSION HARNESS NUMBER	VEHICLE MODEL APPLICATION
62220	04-05 COLORADO/CANYON SPORT L4, Z71, Z71LS, Z85, Z85LS*
	95-97 OLDS BRAVADA*
	83-97 S10 PICKUP/BLAZER S15-JIMMY/PICKUP/SONOMA*
	03 K1500 HD SILVERADO/SIERRA*
	94-99 K1500 TAHOE*
	92-00 K1500 YUKON*
	92-99 K1500 SUBURBAN*
	80-91 K10/K1500 SUBURBAN*
	92-94 K1500 BLAZER*
	88-98 K1500 PICKUP*
	80-91 K1500 BLAZER/JIMMY*
	80-87 K10/K1500 PICKUP*
	92-99 K2500 SUBURBAN*
	73-91 K20/K2500 SUBURBAN*
	88-00 K2500/K3500 PICKUP*
	73-87 K20/K2500 K30/K3500 PICKUP*
	91-02 CHEV.C3500 HD CHASS. CAB*
	91-01 GMC C3500 HD CHASS. CAB
	88-00 C3500
	03 C4500/5500
	04 C4500/5500*
	05 K4500/5500*
	83-03 RANGER PICKUP*
	91-01 EXPLORER*
	83-90 BRONCO II*
	80-91 F-150 PICKUP*
	80-91 BRONCO*
	00-03 EXCURSION*
	92-04 F-250 SUPER DUTY*
	80-91 F-250 PICKUP*
	99-04 F-350 PICKUP*
	80-91 F-350 PICKUP*
	72-93 W200/W250 PICKUP
	72-93 W300/W350 PICKUP
	97-03 WRANGLER TJ
	87-96 WRANGLER YJ
	84-01 CHEROKEE XJ
	84-93 WAGONEER LTD
	86-92 COMANCHE MJ
	99-03 FL 40/50*
99-04 MITSUBISHI FUSO FG*	
98-00 NISSAN FRONTIER*	
86.5-97 NISSAN PICKUP*	
95-04 TOYOTA TACOMA	
00-05 TOYOTA TUNDRA	
	NOTE: If vehicle model application is marked with an asterisk (*) then more than one light conversion harness may be specified. See light conversion harness diagrams and connector/conversion harness cross reference pages to determine which conversion harness is required.



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<small>UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES</small>		<small>STRUCTURAL</small>	<small>MACHINING</small>
<small>THREE PLACE DECIMALS:</small> <small>± .010</small> <small>± .005</small> <small>ONE PLACE DECIMALS:</small> <small>± .1</small> <small>± .05</small>	<small>± .005</small> <small>± .010</small> <small>± .020</small> <small>± .030</small>	<small>± .005</small> <small>± .010</small> <small>± .020</small> <small>± .030</small>	<small>± .005</small> <small>± .010</small> <small>± .020</small> <small>± .030</small>
<small>THIRD ANGLE PROJECTION</small>			
<small>DRAWN</small> KMJ	<small>DATE</small> 3-1-05	<small>SCALE</small> NONE	<small>PLG NO</small> 62220
<small>CHECKED</small>	<small>DATE</small>	<small>SIZE</small> B	<small>REV</small> A
<small>PARTS</small>		<small>WEIGHT</small>	<small>SHEET 1 OF 1</small>

**FITS BULB #: 9003, 6014/H6014, H6017, H6024, 6052, H6054, H6054/HP6054, H-54**  
**CONNECTOR #: HB2, H4, 2B/2D**  
**DESCRIPTION: DUAL RECTANGULAR OR DUAL ROUND**

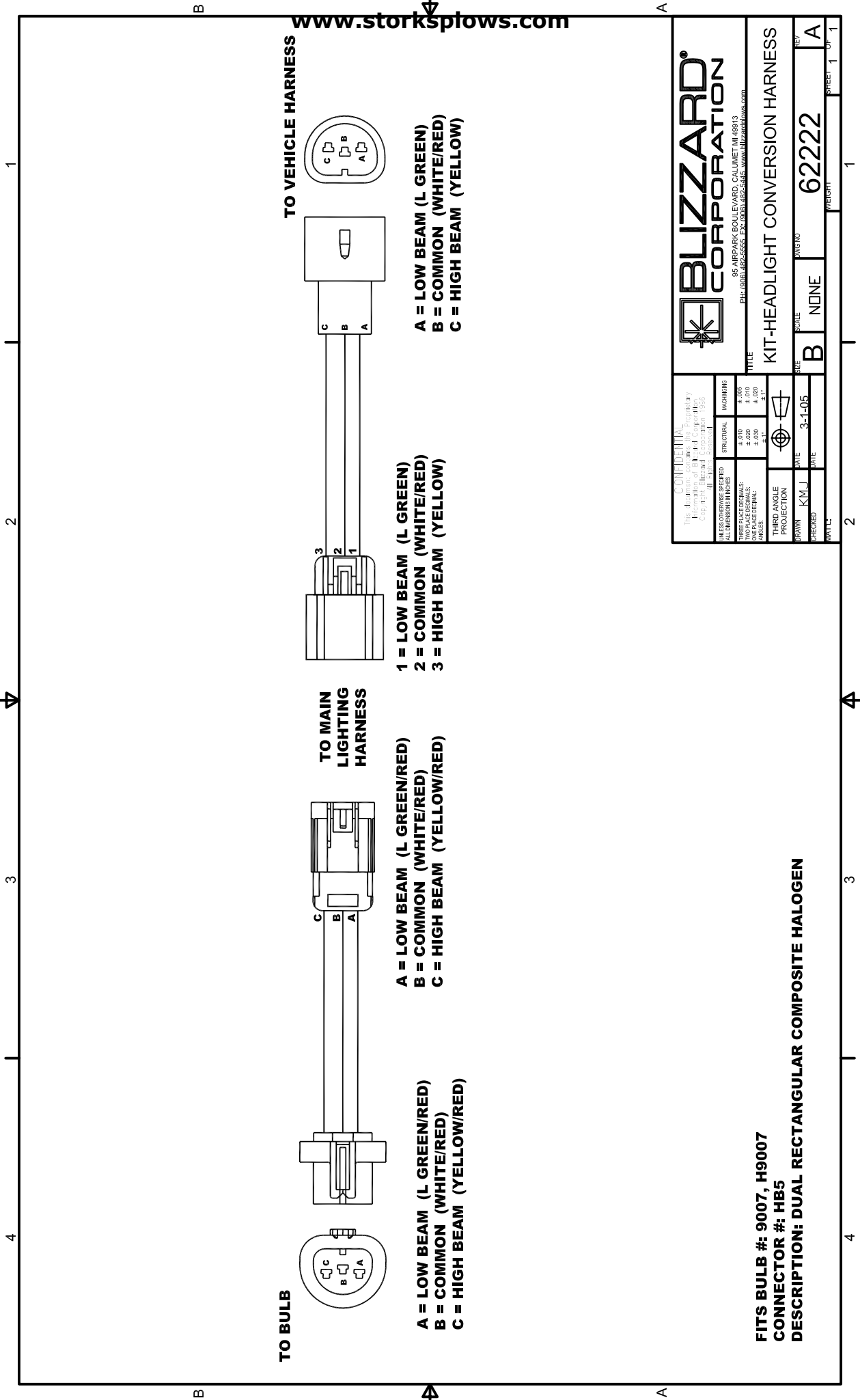
LIGHT CONVERSION HARNESS NUMBER	VEHICLE MODEL APPLICATION
62221	83-03 RANGER PICKUP*
	91-01 EXPLORER*
	83-90 BRONCO II*
	80-91 F-150 PICKUP*
	80-91 BRONCO*
	80-91 F-250 PICKUP*
	80-91 F-350 PICKUP*
	87-96 DAKOTA PICKUP*
	94-01 1500 RAM PICKUP
	03 2500 RAM PICKUP
	04-05 2500 RAM PICKUP*
	94-02 2500 RAM PICKUP
	03 3500 RAM PICKUP
	04-05 3500 RAM PICKUP*
	94-02 3500 RAM PICKUP
	NOTE: If vehicle model application is marked with an asterisk (*) then more than one light conversion harness may be specified. See light conversion harness diagrams and connector/conversion harness cross reference pages to determine which conversion harness is required.



		<b>BLIZZARD CORPORATION</b> 95 AIRPARK BOULEVARD, CALLUMET, IL 60913 PH: (815) 492-5555, FX: (815) 492-2445, www.blizzardplows.com	
<b>CONFIDENTIAL</b> This information is the property of Blizzard Plows Corporation. It is to be used only for the purpose intended. It is not to be distributed, copied, or otherwise used without the express written consent of Blizzard Plows Corporation.		TITLE: <b>KIT-HEADLIGHT CONVERSION HARNESS</b>	SHEET: <b>1</b> OF <b>1</b>
UNLESS OTHERWISE SPECIFIED: ALLOWED DIMENSIONS: THREE PLACE DECIMALS: ONE PLACE DECIMALS: ANGLES: THIRD ANGLE PROJECTION	STRUCTURAL: 1/16" 1/8" 3/16" 1/4"	FINISHING: 1/16" 1/8" 3/16" 1/4"	DATE: <b>3-1-05</b> DRAWN: <b>KMJ</b> CHECKED: <b>KMJ</b> SCALE: <b>B</b> PART NO: <b>62221</b>

**FITS BULB #: 9004, H9004**  
**CONNECTOR #: HB1**  
**DESCRIPTION: DUAL RECTANGULAR COMPOSITE HALOGEN**

LIGHT CONVERSION HARNESS NUMBER	VEHICLE MODEL APPLICATION
62222	01-05 EXPLORER SPORT TRAC
	04-05 RANGER PICKUP
	83-03 RANGER PICKUP*
	91-01 EXPLORER*
	98-01 MERCURY MOUNTAINEER
	83-90 BRONCO II*
	94-02 B3000/B4000
	02-03 F-150 FX4 PICKUP
	92-03 F-150 PICKUP
	99-03 EXPEDITION
	92-96 BRONCO
	00-03 EXCURSION*
	92-04 F-250 SUPER DUTY*
	92-99 F-250 HD PICKUP
	99-04 F-350 PICKUP*
	92-98 F-350 PICKUP
	99-04 F-450/F-550 SUPER DUTY PICKUP
	98-05 DURANGO/DURANGO SLT
	97-03 DAKOTA SLT EXT CAB/PICKUP
	02-05 1500 RAM PICKUP
	04-05 2500 RAM PICKUP
04-05 3500 RAM PICKUP	
04-05 LIBERTY	
01-03 NISSAN FRONTIER	
	NOTE: If vehicle model application is marked with an asterisk (*) then more than one light conversion harness may be specified. See light conversion harness diagrams and connector/conversion harness cross reference pages to determine which conversion harness is required.



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UNLESS OTHERWISE SPECIFIED		STRUCTURAL	INCHES
THREE PLACE DECIMALS:	1/16"	1/8"	1/4"
TWO PLACE DECIMALS:	1/32"	1/16"	1/8"
ONE PLACE DECIMAL:	1/8"	1/4"	3/4"
ANGLES:	30°	45°	60°
THIRD ANGLE PROJECTION			
DRAWN	KMJ	DATE	3-1-05
CHECKED		DATE	
SCALE		NONE	
PART NO		62222	
REV		A	

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**KIT-HEADLIGHT CONVERSION HARNESS**

**FITS BULB #: 9007, H9007**  
**CONNECTOR #: HB5**  
**DESCRIPTION: DUAL RECTANGULAR COMPOSITE HALOGEN**

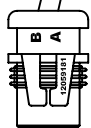
LIGHT CONVERSION HARNESS NUMBER	VEHICLE MODEL APPLICATION
62223	02-03 TRAILBLAZER/ENVOY EXT LS, EXT LT, LS, LT*
	98-03 S10 PICKUP/BLAZER/JIMMY/SONOMA*
	98-02 OLDS BRAVADA*
	95-97 OLDS BRAVADA*
	83-97 S10 PICKUP/BLAZER S15-JIMMY/PICKUP/SONOMA*
	03 K1500 HD SILVERADO/SIERRA*
	01-02 K1500 HD SILVERADO/SIERRA
	99-02 K1500 SILVERADO/SIERRA
	02 K1500 AVALANCHE
	00-02 K1500 TAHOE/YUKON/YUKON XL
	94-99 K1500 TAHOE*
	92-00 K1500 YUKON*
	03-05 K1500 SUBURBAN*
	92-99 K1500 SUBURBAN*
	92-94 K1500 BLAZER*
	88-98 K1500 PICKUP*
	03-05 K2500 SILVERADO 2500HD, 3500/SIERRA 2500HD, 3500, DENALI
	03-05 K2500 AVALANCHE/YUKON XL*
	03 K2500 SUBURBAN
	92-99 K2500 SUBURBAN*
	88-00 K2500/K3500 PICKUP*
	03 K3500 PICKUP
	91-02 CHEV.C3500 HD CHASS. CAB*
	91-01 GMC C3500 HD CHASS. CAB*
	88-00 C3500 *
02-04 EXPLORER	
02 MERCURY MOUNTAINEER	
04-05 EXPEDITION	
	NOTE: If vehicle model application is marked with an asterisk (*) then more than one light conversion harness may be specified. See light conversion harness diagrams and connector/conversion harness cross reference pages to determine which conversion harness is required.



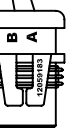
4 3 2 1

**A = LOW BEAM (L GREEN/RED)**  
**B = COMMON (WHITE/RED)**

**LOW BEAM**  
**GRAY**

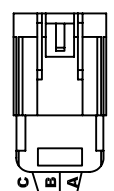


**HIGH BEAM**  
**BLACK**

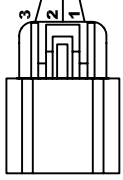


**A = HIGH BEAM (YELLOW/RED)**  
**B = COMMON (WHITE/RED)**

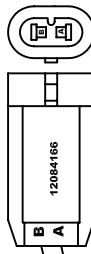
**TO MAIN LIGHTING HARNESS**



**A = LOW BEAM (L GREEN/RED)**  
**B = COMMON (WHITE/RED)**  
**C = HIGH BEAM (YELLOW/RED)**



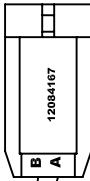
**1 = LOW BEAM (L GREEN)**  
**2 = COMMON (WHITE/RED)**  
**3 = HIGH BEAM (YELLOW)**



**A = LOW BEAM (L GREEN)**  
**B = COMMON (WHITE/RED)**

**LOW BEAM**  
**GRAY**

**TO VEHICLE HARNESS**



**A = HIGH BEAM (YELLOW)**  
**B = COMMON (WHITE/RED)**

**HIGH BEAM**  
**BLACK**

**FITS BULB #: H9005, H9006**  
**CONNECTOR #: HB3, HB4**  
**DESCRIPTION: QUAD COMPOSITE HALOGEN**

<b>COMMENTS:</b> This is a preliminary drawing. The Preliminary Information is for your reference only. It is subject to change without notice.		<b>STRUCTURAL</b>	<b>INCHES</b>
<b>UNLESS OTHERWISE SPECIFIED</b>	<b>ALLOMINIUM IN INCHES</b>	1/8" - 1/2"	1/16"
<b>THREE PLACE DECIMALS:</b>		1/16"	1/32"
<b>ONE PLACE DECIMALS:</b>		1/8"	1/4"
<b>THIRD ANGLE PROJECTION</b>		1/8"	1/4"
<b>DRAWN</b>	<b>DATE</b>	<b>SCALE</b>	<b>REV</b>
KMJ	3-1-05	B NONE	A
<b>CHECKED:</b>	<b>DATE:</b>	<b>WEIGHT:</b>	<b>SHEET 1 OF 1</b>

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**KIT-HEADLIGHT CONVERSION HARNESS**

**62223**

LIGHT CONVERSION HARNESS NUMBER	VEHICLE MODEL APPLICATION
62224	04-05 COLORADO/CANYON SPORT L4, Z71, Z71LS, Z85, Z85LS*
	02-03 TRAILBLAZER/ENVOY EXT LS, EXT LT, LS, LT*
	98-03 S10 PICKUP/BLAZER/JIMMY/SONOMA*
	98-02 OLDS BRAVADA*
	03 K1500 SILVERADO/SIERRA*
	03-05 K1500 AVALANCHE/YUKON XL*
	03-05 K1500 TAHOE LS, LT, Z71/YUKON SLE, SLT, DENALI, DENALI XL, 1500 SLE, 1500 SLT, 2500 SLE, 2500 SLT
	00-02 K1500 SUBURBAN
	99-02 K2500 SILVERADO/SIERRA*
	02 K2500 AVALANCHE
	00-02 K2500 YUKON XL
	00-02 K2500 SUBURBAN
	01-02 K3500 PICKUP
	91-02 CHEV.C3500 HD CHASS. CAB*
	91-01 GMC C3500 HD CHASS. CAB*
88-00 C3500*	
	NOTE: If vehicle model application is marked with an asterisk (*) then more than one light conversion harness may be specified. See light conversion harness diagrams and connector/conversion harness cross reference pages to determine which conversion harness is required.

1 2 3 4

B B

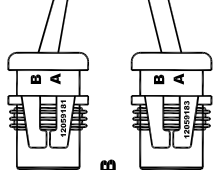
A A

**A = COMMON (WHITE/RED)**  
**B = LOW BEAM (L GREEN/RED)**

**LOW BEAM**  
 GRAY

**HIGH BEAM**  
 BLACK

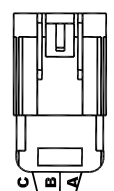
**A = COMMON (WHITE/RED)**  
**B = HIGH BEAM (YELLOW/RED)**



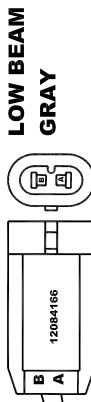
**TO BULB**

**TO MAIN LIGHTING HARNESS**

**A = LOW BEAM (L GREEN/RED)**  
**B = COMMON (WHITE/RED)**  
**C = HIGH BEAM (YELLOW/RED)**

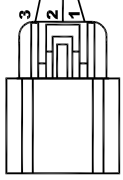


**A = COMMON (WHITE/RED)**  
**B = LOW BEAM (L GREEN)**



**A = COMMON (WHITE/RED)**  
**B = HIGH BEAM (YELLOW)**

**TO VEHICLE HARNESS**



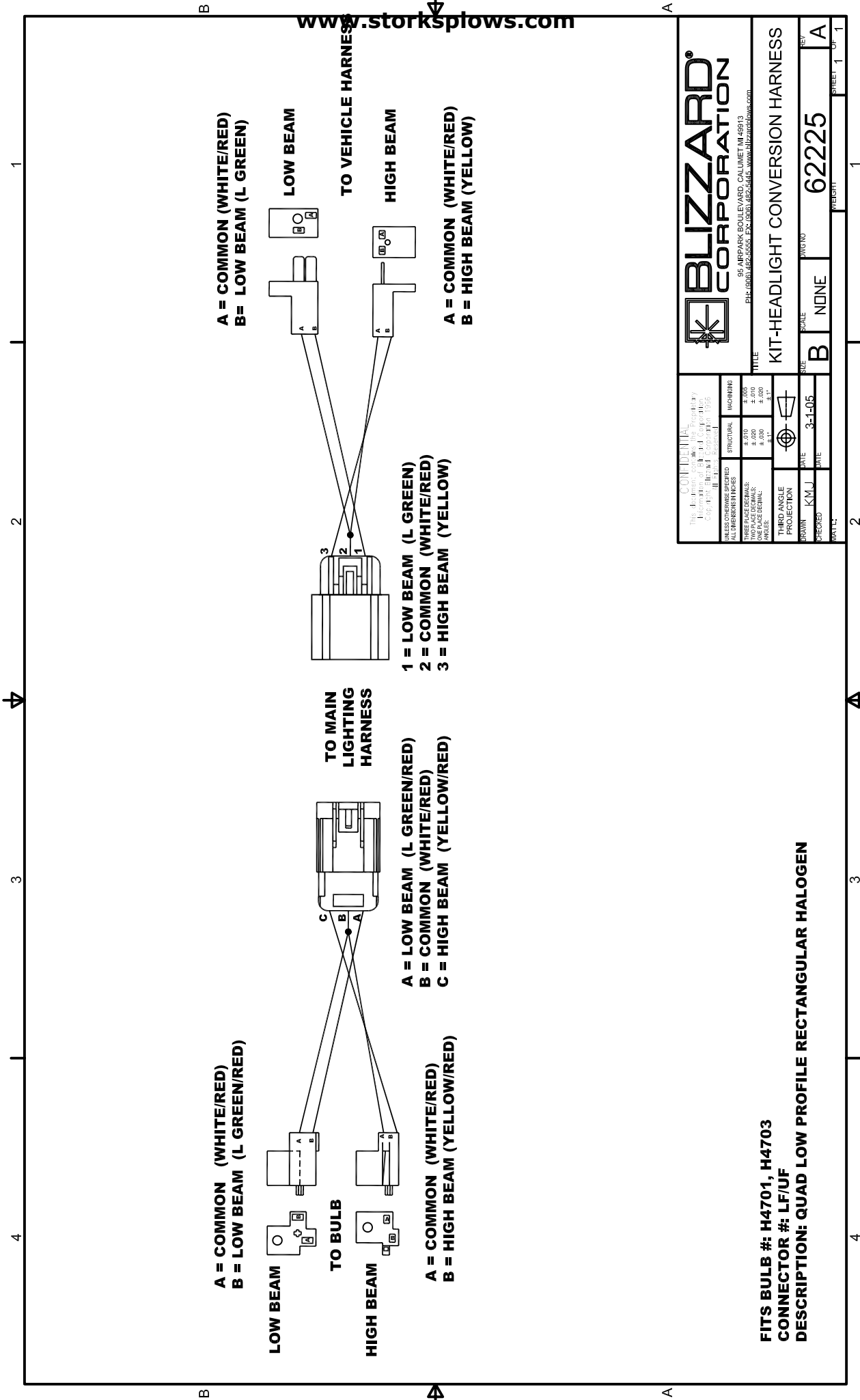
**1 = LOW BEAM (L GREEN)**  
**2 = COMMON (WHITE/RED)**  
**3 = HIGH BEAM (YELLOW)**

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<b>COMMENTS:</b> This is a preliminary drawing. The Preliminary Information is for your information only. It is not intended for construction.		TITLE: <b>KIT-HEADLIGHT CONVERSION HARNESS</b>	
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES	STRUCTURAL 1/8" MIN. THICKNESS	FINISHING 1/16" MIN. THICKNESS	SCALE: <b>B</b> NONE
THREE PLACE DECIMALS: 1/1000 ONE PLACE DECIMALS: 1/100 1/10 1/2 THRO ANGLE PROJECTION	DATE: <b>3-1-05</b>	DRAWN: <b>KMJ</b>	PART NO: <b>62224</b>
CHECKED:	DATE:	SIZE:	SHEET: <b>1</b> OF <b>1</b>

**FITS BULB #: H9005, H9006**  
**CONNECTOR #: HB3, HB4**  
**DESCRIPTION: QUAD COMPOSITE HALOGEN**

2 3 4

LIGHT CONVERSION HARNESS NUMBER	VEHICLE MODEL APPLICATION
62225	94-99 K1500 TAHOE*
	92-00 K1500 YUKON*
	03-05 K1500 SUBURBAN*
	92-99 K1500 SUBURBAN*
	80-91 K10/K1500 SUBURBAN*
	92-94 K1500 BLAZER*
	88-98 K1500 PICKUP*
	80-91 K1500 BLAZER/JIMMY*
	80-87 K10/K1500 PICKUP*
	92-99 K2500 SUBURBAN*
	73-91 K20/K2500 SUBURBAN*
	88-00 K2500/K3500 PICKUP*
	73-87 K20/K2500 K30/K3500 PICKUP*
	91-02 CHEV.C3500 HD CHASS. CAB*
	91-01 GMC C3500 HD CHASS. CAB*
	88-00 C3500*
85-98 WAGONEER	
	NOTE: If vehicle model application is marked with an asterisk (*) then more than one light conversion harness may be specified. See light conversion harness diagrams and connector/conversion harness cross reference pages to determine which conversion harness is required.



**FITS BULB #: H4701, H4703**  
**CONNECTOR #: LF/UF**  
**DESCRIPTION: QUAD LOW PROFILE RECTANGULAR HALOGEN**

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UNLESS OTHERWISE SPECIFIED	STRUCTURAL	INCHES
THREE PLACE DECIMALS	±.010	±.005
ONE PLACE DECIMALS	±.020	±.010
ANGLES	±.1°	±.1°

THIRD ANGLE PROJECTION

DRAWN: KMJ DATE: 3-1-05  
 CHECKED: DATE: \_\_\_\_\_

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**KIT-HEADLIGHT CONVERSION HARNESS**

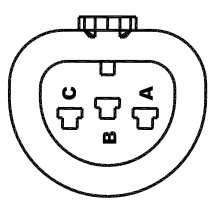
SCALE: NONE  
 PART NO: 62225  
 REV: A

SHEET 1 OF 1

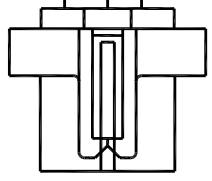
LIGHT CONVERSION HARNESS NUMBER	VEHICLE MODEL APPLICATION
62226	97-03 DAKOTA SPORT PICKUP
	99-01 1500 RAM SPORT
	99-02 2500 RAM SPORT
	99-02 3500 RAM SPORT
	NOTE: If vehicle model application is marked with an asterisk (*) then more than one light conversion harness may be specified. See light conversion harness diagrams and connector/conversion harness cross reference pages to determine which conversion harness is required.

4 3 2 1

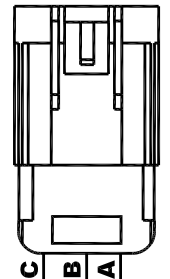
**TO BULB**



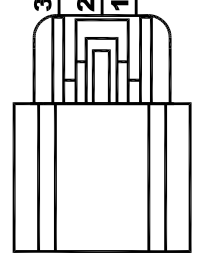
**A = LOW BEAM (L GREEN/RED)**  
**B = COMMON (WHITE/RED)**  
**C = HIGH BEAM (YELLOW/RED)**



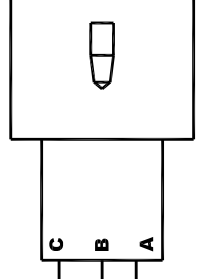
**TO MAIN LIGHTING HARNESS**



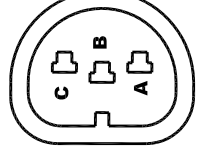
**A = LOW BEAM (L GREEN/RED)**  
**B = COMMON (WHITE/RED)**  
**C = HIGH BEAM (YELLOW/RED)**



**1 = LOW BEAM (L GREEN)**  
**2 = COMMON (WHITE/RED)**  
**3 = HIGH BEAM (YELLOW)**



**TO VEHICLE HARNESS**



**A = LOW BEAM (L GREEN)**  
**B = COMMON (WHITE/RED)**  
**C = HIGH BEAM (YELLOW)**

**FITS BULB #: 9004, H9004, 9007, H9007**  
**CONNECTOR #: HB1/HB5**  
**DESCRIPTION: QUAD COMPOSITE HALOGEN**

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UNLESS OTHERWISE SPECIFIED	STRUCTURAL	MACHINING
ALL DIMENSIONS IN INCHES	± .010	± .005
THREE PLACE DECIMALS:	± .020	± .010
TWO PLACE DECIMALS:	± .030	± .020
ONE PLACE DECIMAL:	± .1"	± .1"

THIRD ANGLE PROJECTION	DATE	DATE
	KMJ	1-3-05
CHECKED	DATE	DATE

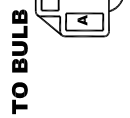
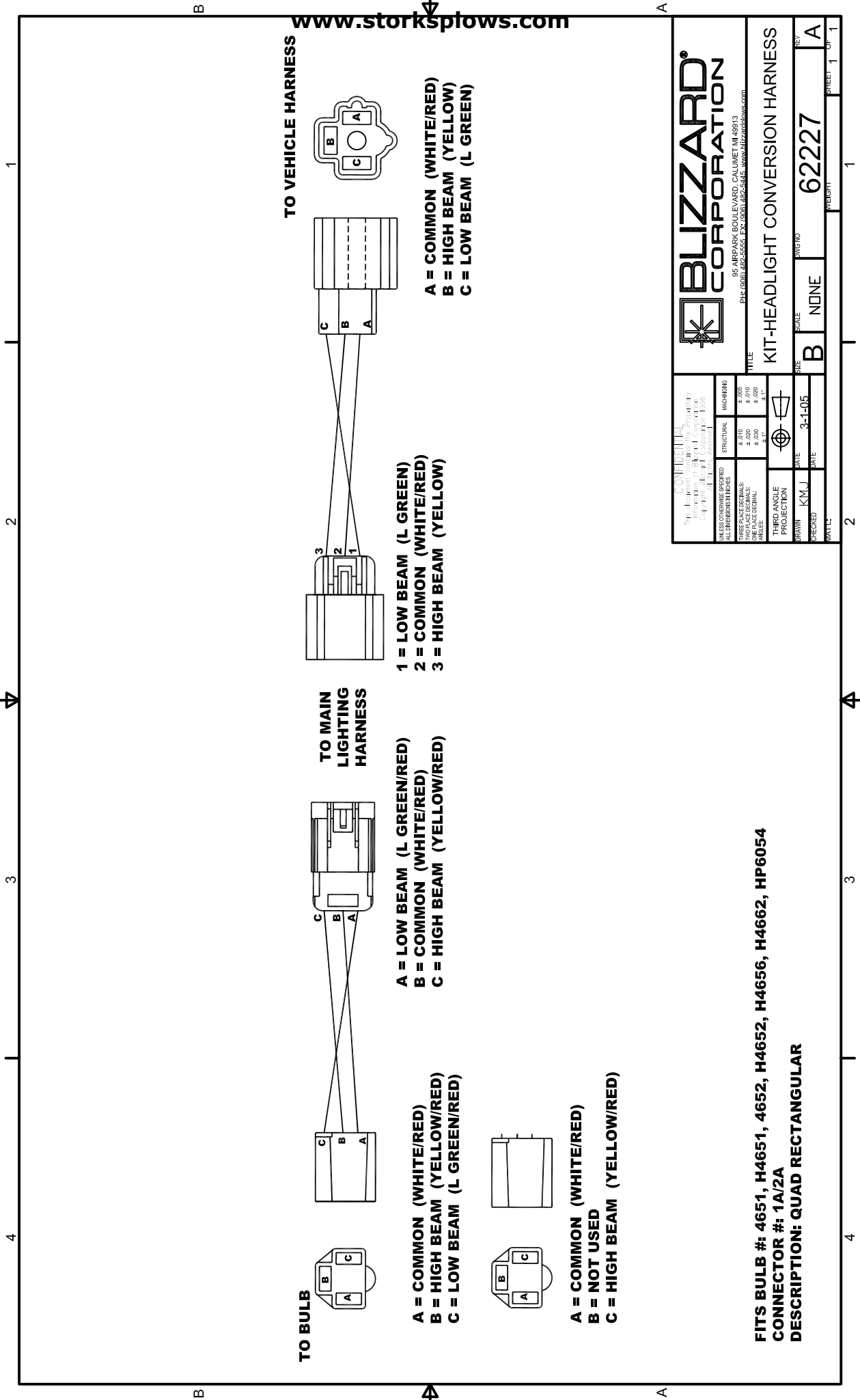
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TITLE	SCALE	DWG NO	REV
<b>KIT-HEADLIGHT CONVERSION HARNESS</b>	<b>B</b>	<b>NONE</b>	<b>A</b>
SIZE	WEIGHT	SHEET 1	OF 1

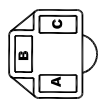
B A

LIGHT CONVERSION HARNESS NUMBER	VEHICLE MODEL APPLICATION
62227	80-91 K10/K1500 SUBURBAN*
	80-91 K1500 BLAZER/JIMMY*
	80-87 K10/K1500 PICKUP*
	73-91 K20/K2500 SUBURBAN*
	73-87 K20/K2500 K30/K3500 PICKUP*
	04 C4500/5500*
	05 K4500/5500*
	99-03 FL 40/50*
	99-04 MITSUBISHI FUSO FG*
	NOTE: If vehicle model application is marked with an asterisk (*) then more than one light conversion harness may be specified. See light conversion harness diagrams and connector/conversion harness cross reference pages to determine which conversion harness is required.

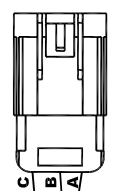




**A = COMMON (WHITE/RED)**  
**B = HIGH BEAM (YELLOW/RED)**  
**C = LOW BEAM (L GREEN/RED)**

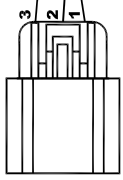


**A = COMMON (WHITE/RED)**  
**B = NOT USED**  
**C = HIGH BEAM (YELLOW/RED)**

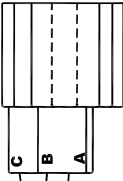


**A = LOW BEAM (L GREEN/RED)**  
**B = COMMON (WHITE/RED)**  
**C = HIGH BEAM (YELLOW/RED)**

**TO MAIN LIGHTING HARNESS**

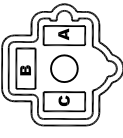


**1 = LOW BEAM (L GREEN)**  
**2 = COMMON (WHITE/RED)**  
**3 = HIGH BEAM (YELLOW)**



**A = COMMON (WHITE/RED)**  
**B = HIGH BEAM (YELLOW)**  
**C = LOW BEAM (L GREEN)**

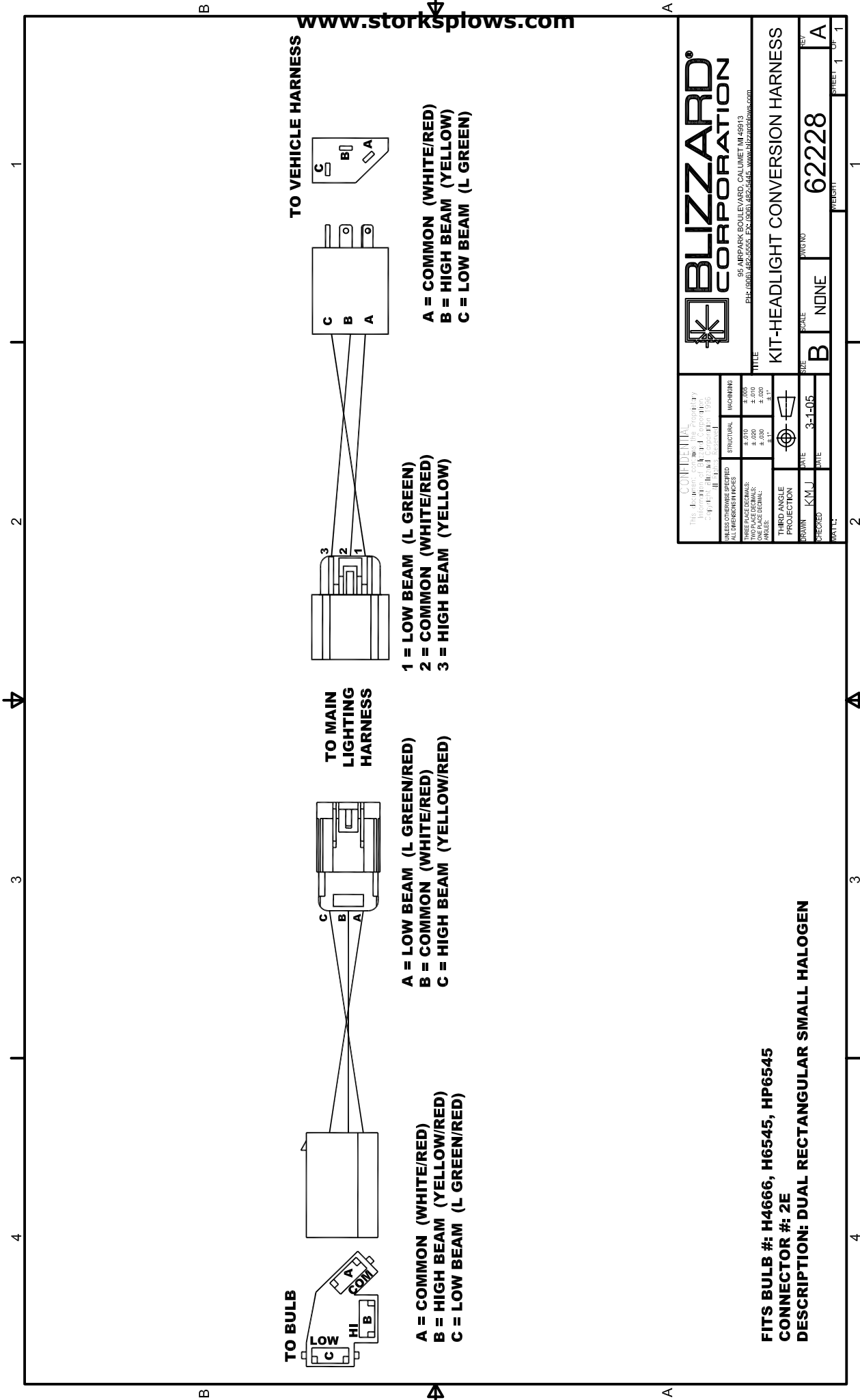
**TO VEHICLE HARNESS**



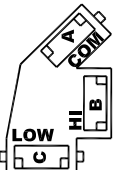
<b>BLIZZARD CORPORATION</b> 95 AIRPARK BOULEVARD, CALLUMET, IL 60913 PH: (815) 482-2555, FX: (815) 482-2545, WWW.BLIZZARDPLOWS.COM	
TITLE: <b>KIT-HEADLIGHT CONVERSION HARNESS</b>	
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES	SCALE: <b>B</b> NONE
THREE PLACE DECIMALS: ±.005 ONE PLACE DECIMALS: ±.020	DATE: <b>3-1-05</b>
THIRD ANGLE PROJECTION	DATE: <b>3-1-05</b>
DRAWN: <b>KMJ</b>	DATE: <b>3-1-05</b>
CHECKED:	DATE:
PART: <b>62227</b>	
SHEET <b>1</b> OF <b>1</b>	

**FITS BULB #: 4651, H4651, 4652, H4652, H4662, HP6054**  
**CONNECTOR #: 1A/2A**  
**DESCRIPTION: QUAD RECTANGULAR**

LIGHT CONVERSION HARNESS NUMBER	VEHICLE MODEL APPLICATION
62228	95-97 OLDS BRAVADA*
	83-97 S10 PICKUP/BLAZER S15-JIMMY/PICKUP/SONOMA*
	03 K1500 HD SILVERADO/SIERRA*
	87-96 DAKOTA PICKUP*
	NOTE: If vehicle model application is marked with an asterisk (*) then more than one light conversion harness may be specified. See light conversion harness diagrams and connector/conversion harness cross reference pages to determine which conversion harness is required.
Note: 62228 Headlight conversion harness construction may contain loose spade terminals or a molded connector. Use a test light to determine the correct connections for each terminal.	

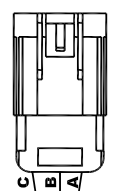


**TO BULB**

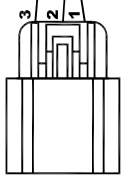


**A = COMMON (WHITE/RED)**  
**B = HIGH BEAM (YELLOW/RED)**  
**C = LOW BEAM (L GREEN/RED)**

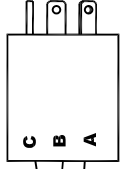
**TO MAIN LIGHTING HARNESS**



**A = LOW BEAM (L GREEN/RED)**  
**B = COMMON (WHITE/RED)**  
**C = HIGH BEAM (YELLOW/RED)**



**1 = LOW BEAM (L GREEN)**  
**2 = COMMON (WHITE/RED)**  
**3 = HIGH BEAM (YELLOW)**



**TO VEHICLE HARNESS**

**A = COMMON (WHITE/RED)**  
**B = HIGH BEAM (YELLOW)**  
**C = LOW BEAM (L GREEN)**

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 PH: (815) 482-5555, FX: (815) 482-2445, www.blizzardplows.com

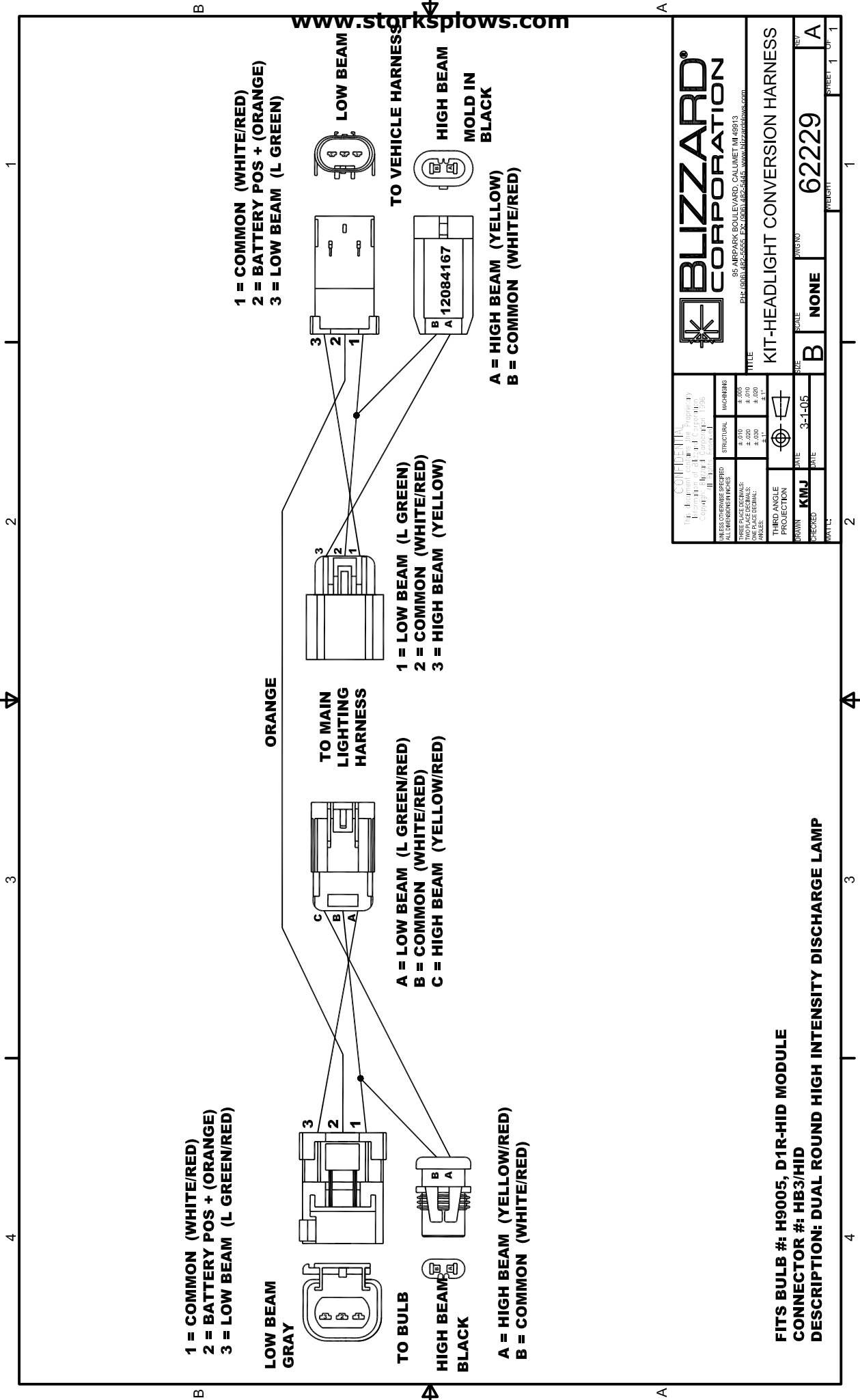
**TITLE**  
 KIT-HEADLIGHT CONVERSION HARNESS

<b>UNLESS OTHERWISE SPECIFIED</b>	<b>STRUCTURAL</b>	<b>MEASUREMENTS</b>	
<b>ALL DIMENSIONS IN INCHES</b>		± .005	
		± .010	
		± .020	
		± .030	
		± .040	
		± .050	
		± .060	
		± .070	
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		± .090	
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		± .125	
		± .150	
		± .175	
		± .200	
		± .250	
		± .300	
		± .375	
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		± .750	
		± .875	
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		± 98.500	
		± 99.000	
		± 99.500	
		± 100.000	

**FITS BULB #: H46666, H6545, HP6545**  
**CONNECTOR #: 2E**  
**DESCRIPTION: DUAL RECTANGULAR SMALL HALOGEN**

**SCALE** NONE  
**DATE** 3-1-05  
**REV** 1 OF 1

LIGHT CONVERSION HARNESS NUMBER	VEHICLE MODEL APPLICATION
62229	CADILLAC ESCALADE
	NOTE: If vehicle model application is marked with an asterisk (*) then more than one light conversion harness may be specified. See light conversion harness diagrams and connector/conversion harness cross reference pages to determine which conversion harness is required.



**BLIZZARD CORPORATION**  
 95 AIRPARK BOULEVARD, CALLUMET, IL 60913  
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**BLIZZARD CORPORATION**

**KIT-HEADLIGHT CONVERSION HARNESS**

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES

THIRD ANGLE PROJECTION	DATE	SCALE	DRWNG NO
3-11	3-1-05	B	NONE

CHECKED: **KMJ** DATE: **3-1-05** PART: **62229**

1 OF 1

**FITS BULB #: H9005, D1R-HID MODULE**  
**CONNECTOR #: HB3/HID**  
**DESCRIPTION: DUAL ROUND HIGH INTENSITY DISCHARGE LAMP**

LIGHT CONVERSION HARNESS NUMBER	VEHICLE MODEL APPLICATION
62230	04-05 TRAILBLAZER/ENVOY EXT LS, EXT LT, LS, LT
	NOTE: If vehicle model application is marked with an asterisk (*) then more than one light conversion harness may be specified. See light conversion harness diagrams and connector/conversion harness cross reference pages to determine which conversion harness is required.

B

A

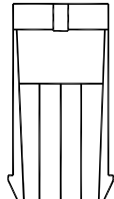
1

2

3

4

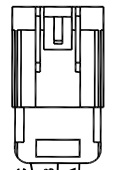
TO VEHICLE HARNESS



WHT/RED LOOP

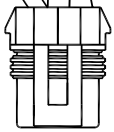
- A = HIGH BEAM (YELLOW)
- B = LOW BEAM (L GREEN)
- C = COMMON (WHITE/RED)
- D = COMMON (WHITE/RED)

TO MAIN LIGHTING HARNESS



- A = LOW BEAM (L GREEN/RED)
- B = COMMON (WHITE/RED)
- C = HIGH BEAM (YELLOW/RED)

WHT/RED LOOP



- A = HIGH BEAM (YELLOW/RED)
- B = LOW BEAM (L GREEN/RED)
- C = COMMON (WHITE/RED)
- D = COMMON (WHITE/RED)

TO BULB



		<b>BLIZZARD CORPORATION</b> <small>95 AIRPARK BOULEVARD, CALUMET MI 49813        PH: (601) 482-5555 FAX: (601) 482-5545 www.blizzardblows.com</small>	
		<b>KIT-HEADLIGHT CONVERSION HARNESS</b>	
<small>UNLESS OTHERWISE SPECIFIED</small>		<small>STRUCTURAL</small>	<small>MACHINING</small>
<small>FINISHES UNLESS OTHERWISE SPECIFIED</small>	<small>3.000</small>	<small>4.000</small>	<small>4.000</small>
<small>THIRD ANGLE PROJECTION</small>	<small>DATE</small>	<small>3-1-05</small>	<small>REV</small>
<small>DRAWN</small>	<small>CHECKED</small>	<small>DATE</small>	<small>REV</small>
<small>SCALE</small>	<small>TITLE</small>	<small>SIZE</small>	<small>WEIGHT</small>
<small>B</small>	<small>KIT-HEADLIGHT CONVERSION HARNESS</small>	<small>3-1-05</small>	<small>62230</small>
<small>CONFIDENTIAL</small>		<small>PROPERTY OF</small>	<small>BLIZZARD CORPORATION</small>
<small>ALL RIGHTS RESERVED. NO REPRODUCTION OR DISTRIBUTION WITHOUT WRITTEN PERMISSION FROM BLIZZARD CORPORATION.</small>			

**FITS BULB #: H9005, H9006**  
**CONNECTOR #: HB3, HB7**  
**DESCRIPTION: QUAD COMPOSITE HALOGEN**

1

2

3

4

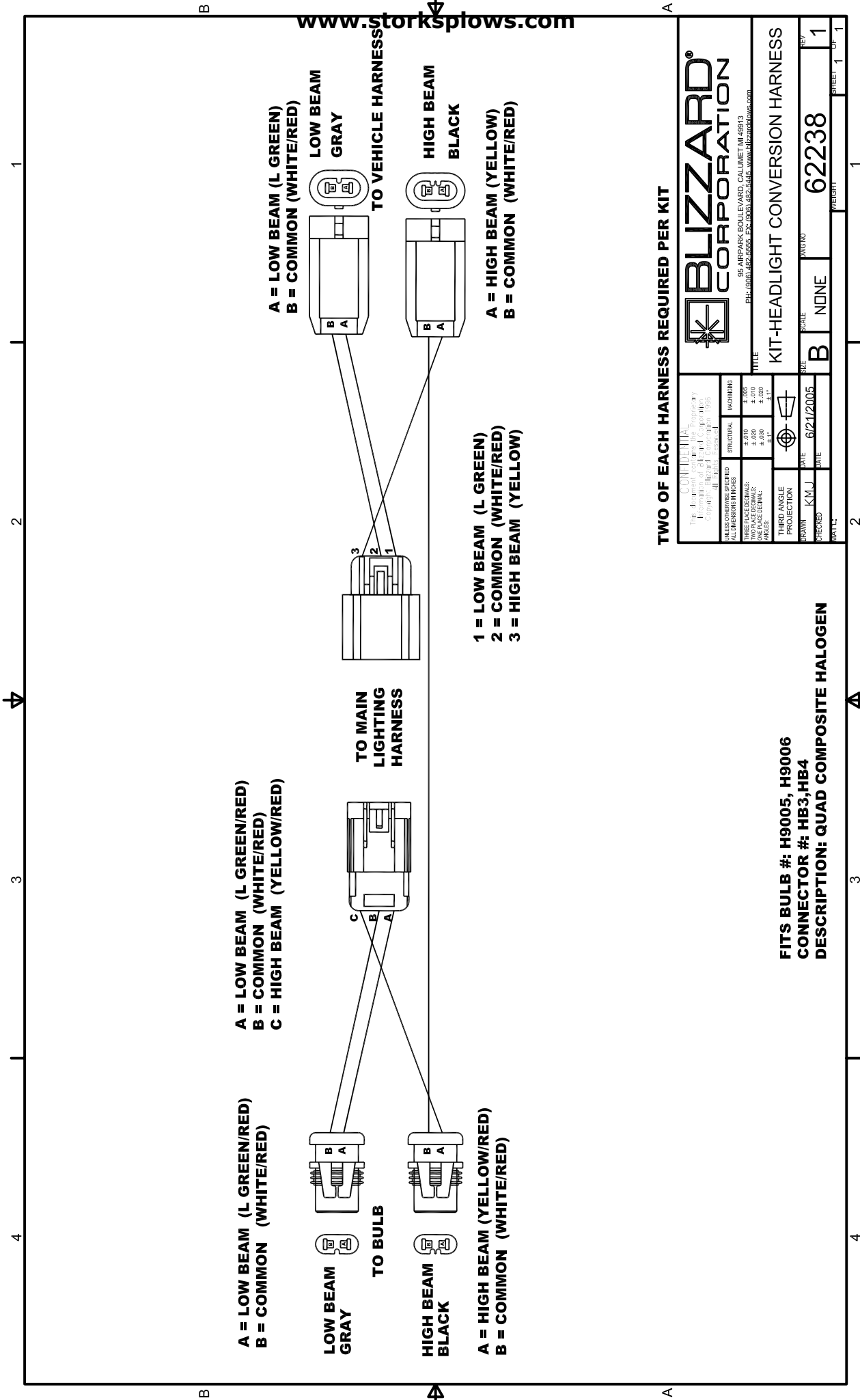
B

A

A

LIGHT CONVERSION HARNESS NUMBER	VEHICLE MODEL APPLICATION
62238	95-97 OLDS BRAVADA*
<p>Note: 62238 "B" Commons; The switch between high and low beams is on the negative (ground) side of the headlight bulb. Daytime running lights are run through the high beam bulbs.</p>	
	<p>NOTE: If vehicle model application is marked with an asterisk (*) then more than one light conversion harness may be specified. See light conversion harness diagrams and connector/conversion harness cross reference pages to determine which conversion harness is required.</p>



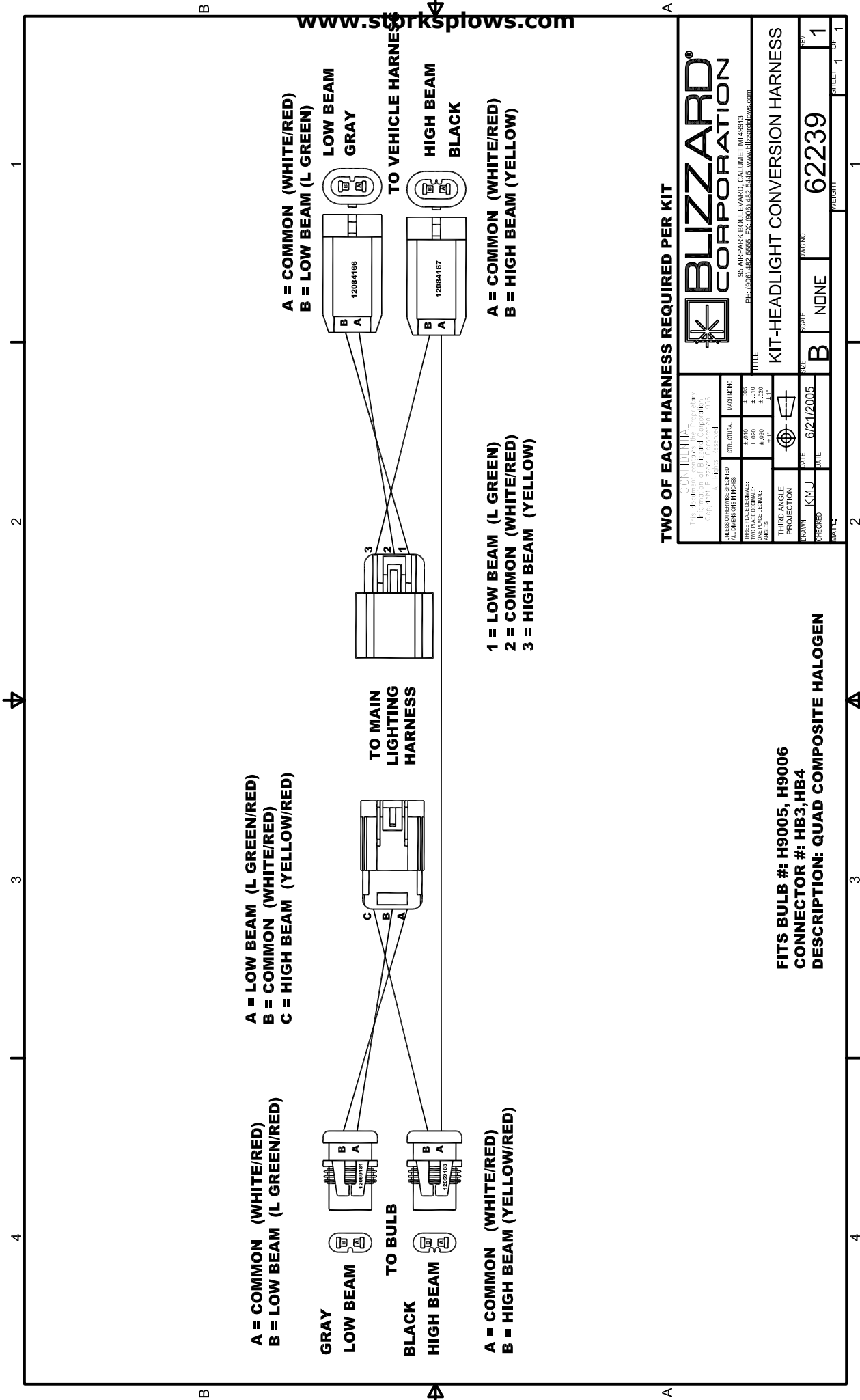


**TWO OF EACH HARNESS REQUIRED PER KIT**

<b>BLIZZARD CORPORATION</b> <small>95 AIRPARK BOULEVARD, CALLUMET, IL 60913        PH: (815) 492-2555, FX: (815) 492-2445, www.blizzardplows.com</small>		<b>BLIZZARD CORPORATION</b> <small>95 AIRPARK BOULEVARD, CALLUMET, IL 60913        PH: (815) 492-2555, FX: (815) 492-2445, www.blizzardplows.com</small>	
<small>UNLESS OTHERWISE SPECIFIED</small> DIMENSIONS IN INCHES TOLERANCES: FRACTIONS DECIMALS ONE PLACE DECIMALS ANGLES	FINISHES STRUCTURAL ±.010 ±.005 ±.010 ±.005 ±.1° ±.1°	TITLE KIT-HEADLIGHT CONVERSION HARNESS	DATE 6/21/2005
DRAWN K/M/J	CHECKED K/M/J	SIZE B	SHEET NO 62238
PART:		SCALE NONE	WEIGHT 1 OF 1

**FITS BULB #: H9005, H9006  
 CONNECTOR #: HB3, HB4  
 DESCRIPTION: QUAD COMPOSITE HALOGEN**

LIGHT CONVERSION HARNESS NUMBER	VEHICLE MODEL APPLICATION
62239	98-03 S10 PICKUP/BLAZER/JIMMY/SONOMA*
	98-02 OLDS BRAVADA*
Note: 62239 "A" Commons; The switch between high and low beams is on the negative (ground) side of the headlight bulb. Daytime running lights are run through the high beam bulbs.	
	NOTE: If vehicle model application is marked with an asterisk (*) then more than one light conversion harness may be specified. See light conversion harness diagrams and connector/conversion harness cross reference pages to determine which conversion harness is required.



**TWO OF EACH HARNESS REQUIRED PER KIT**

		<b>BLIZZARD CORPORATION</b> 95 AIRPARK BOULEVARD, CALLUMET, IL 60913 PH: (815) 492-5555, FX: (815) 492-5445, www.blizzardplows.com	
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES		FINISHING 1. 200 2. 210 3. 220 4. 230 5. 240 6. 250 7. 260 8. 270 9. 280 10. 290 11. 300 12. 310 13. 320 14. 330 15. 340 16. 350 17. 360 18. 370 19. 380 20. 390 21. 400 22. 410 23. 420 24. 430 25. 440 26. 450 27. 460 28. 470 29. 480 30. 490 31. 500	
THREE PLACE DECIMALS: .000 .001 .002 .003 .004 .005 .006 .007 .008 .009 .010 .011 .012 .013 .014 .015 .016 .017 .018 .019 .020 .021 .022 .023 .024 .025 .026 .027 .028 .029 .030 .031 .032 .033 .034 .035 .036 .037 .038 .039 .040 .041 .042 .043 .044 .045 .046 .047 .048 .049 .050 .051 .052 .053 .054 .055 .056 .057 .058 .059 .060 .061 .062 .063 .064 .065 .066 .067 .068 .069 .070 .071 .072 .073 .074 .075 .076 .077 .078 .079 .080 .081 .082 .083 .084 .085 .086 .087 .088 .089 .090 .091 .092 .093 .094 .095 .096 .097 .098 .099 .100		TITLE <b>KIT-HEADLIGHT CONVERSION HARNESS</b>	
THIRD ANGLE PROJECTION		DATE 6/21/2005	
DRAWN KMJ		SIZE NONE	
CHECKED KMJ		DWG NO <b>62239</b>	
SHEET 1 OF 1		WEIGHT 1	

**FITS BULB #: H9005, H9006**  
**CONNECTOR #: HB3, HB4**  
**DESCRIPTION: QUAD COMPOSITE HALOGEN**

LIGHT CONVERSION HARNESS NUMBER	VEHICLE MODEL APPLICATION
62231	04-05 NISSAN TITAN
	NOTE: If vehicle model application is marked with an asterisk (*) then more than one light conversion harness may be specified. See light conversion harness diagrams and connector/conversion harness cross reference pages to determine which conversion harness is required.



**UNDERCARRIAGE  
MODIFICATION NOTICE**

CUSTOMER NAME:		DEALER:	
CUSTOMER ADDRESS:		STATE:	ZIP:
CUSTOMER TELEPHONE:	(      )		
VIN:			

MAKE:	FORD CHEV GMC DODGE	TOYOTA OTHER:	
MODEL:	(Ex. Silverado K2500 HD Pickup)		
YEAR:			
DATE OF MANUFACTURE:			
DRIVE TRAIN:	2WD 4WD ALL WHEEL	OTHER:	
DRW (DUAL REAR WHEELS)	YES NO		
BODY STYLE:	REG CAB X-CAB	OTHER:	
BOX OPTION(S):	DUMP BOX STAKE BED	OTHER:	
ENGINE TYPE:	GAS DIESEL		
ENGINE SIZE:	(Example: 6.0L V8)		
GFAWR:	LB	KG	
GRAWR:	LB	KG	
GVWR:	LB	KG	
HEADLAMP NUMBER(S):		DAYTIME RUNNING LIGHTS:	YES NO
HEADLAMP CONNECTOR:	(Ex. HB3/HB4, 1A/2A, LF/UF, etc.)		
CONVERSION HARNESS KIT:	62220 62221 62222 62223 62224 62225 62226 62227 62228 62229 62230 OTHER:		

MODIFY BUMPER:	YES NO		
BUMPER MOD IF. MADE:			
U.C. MOUNT INSTALLED:	P/N:		
MODIFY U.C. MOUNT:	YES NO	(IF YES: FAX OR MAIL TO BLIZZARD ENGINEERING -DOCUMENT CHANGE BELOW)	
U.C. MODIFICATION MADE:			
MAIL TO: BLIZZARD CORP. • 95 AIRPARK BLVD. • CALUMET, MI 49913		FAX TO: 906-482-5445	

BLIZZARD INSTALLER:								DATE OF INSTALL:			
PLOW MODEL INSTALLED:	680LT	720LT	760LT	760SW	760	800	860	860SW	810	8611LP	8611



**BLIZZARD**<sup>®</sup>  
**SNOWPLOWS**  
**LIMITED CONSUMER WARRANTY**

This warranty covers defects in material and workmanship except as set forth below.

**WARRANTED PARTY:**

This warranty applies only to the "Original Purchaser" who purchased this plow from an Authorized Blizzard Dealer, for personal, family or household use.

**TERM OF WARRANTY:**

This Blizzard snowplow is warranted for the following period:  
Parts and labor are warranted for one year from date of purchase.

**BLIZZARD CORPORATION'S WARRANTY REMEDY:**

Blizzard Corporation will, at its sole discretion, repair or replace defective parts at no charge.

**CUSTOMERS RESPONSIBILITY:**

To obtain warranty service, the purchaser must return the defective snowplow to any Authorized Blizzard Dealer. The purchaser must verify the original purchase date. Transportation costs to and from the dealer will be the responsibility of the purchaser.

**ITEMS NOT COVERED UNDER THIS WARRANTY:**

1. Expendable parts such as cutting edges, plow shoes, hoses, fasteners, blade guides, paint finish, etc.
2. Any snowplow or part thereof which has been repaired or altered by anyone other than an Authorized Blizzard Dealer.
3. Any snowplow or part thereof which has been subject to neglect, misuse, accident, improper installation, maintenance, or storage. This includes, but is not limited to, corrosion of any electrical components.
4. Snowplows mounted on vehicles other than those for whom Blizzard Corporation has provided a specific mount system.
5. Blizzard Corporation does not assume liability for damage to the purchaser's vehicle resulting from the attachment and use of a Blizzard snowplow. Vehicle risk is the sole responsibility of the purchaser.

**WARRANTY LIMITATIONS:**

THIS WARRANTY IS OFFERED IN LIEU OF ANY OTHER EXPRESS WARRANTY.

THE DURATION OF ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS WARRANTY.

BLIZZARD CORPORATION'S LIABILITY IS EXPRESSLY LIMITED TO REPAIR OR REPLACEMENT OF DEFECTIVE PARTS. BLIZZARD CORPORATION SHALL NOT BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL OR CONTINGENT DAMAGES WHATSOEVER, EVEN IF DAMAGES ARE CAUSED BY THE NEGLIGENCE OR FAULT OF BLIZZARD CORPORATION.

**State Laws:** Some states do not allow exclusion of incidental or consequential damages or the limitations on how long an implied warranty lasts, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

This warranty does not apply if you purchased your snowplow for other than personal, family, or household use. If purchased for other than personal, family or household use, refer to the Blizzard Snowplow Commercial Warranty.



95 AIRPARK BOULEVARD ■ CALUMET, MICHIGAN 49913 ■ [906] 482-5555



## COMMERCIAL WARRANTY

This warranty covers defects in material and workmanship except as set forth below.

### WARRANTED PARTY:

This warranty applies only to the "Original Purchaser" who purchased this plow from an Authorized Blizzard Dealer, for commercial use.

### TERM OF WARRANTY:

This Blizzard snowplow is warranted for the following period:  
Parts and labor are warranted for one year from date of purchase.

### BLIZZARD CORPORATION'S WARRANTY REMEDY:

Blizzard Corporation will, at its sole discretion, repair or replace defective parts at no charge.

### CUSTOMERS RESPONSIBILITY:

To obtain warranty service, the purchaser must return the defective snowplow to any Authorized Blizzard Dealer within the warranty period. The purchaser must verify the original purchase date. Transportation costs to and from the Dealer will be the responsibility of the purchaser.

### ITEMS NOT COVERED UNDER THIS WARRANTY:

1. Expendable parts such as cutting edges, plow shoes, hoses, fasteners, blade guides, paint finish, etc.
2. Any snowplow or part thereof which has been repaired or altered by anyone other than an Authorized Blizzard Dealer.
3. Any snowplow or part thereof which has been subject to neglect, misuse, accident, improper installation, maintenance, or storage. This includes, but is not limited to, corrosion of any electrical components.
4. Snowplows mounted on vehicles other than those for whom Blizzard Corporation has provided a specific mount system.
5. Blizzard Corporation does not assume liability for damage to the purchaser's vehicle resulting from the attachment and use of a Blizzard snowplow. Vehicle risk is the sole responsibility of the purchaser.

### LIMITS OF BLIZZARD CORPORATION'S LIABILITIES:

BLIZZARD CORPORATION'S LIABILITY IS EXPRESSLY LIMITED TO REPAIR OR REPLACEMENT OF DEFECTIVE PARTS. BLIZZARD CORPORATION SHALL NOT BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL OR CONTINGENT DAMAGES WHATSOEVER, EVEN IF DAMAGES ARE CAUSED BY THE NEGLIGENCE OR FAULT OF BLIZZARD CORPORATION.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESSED AND IMPLIED WARRANTIES INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

This warranty does not apply if you purchased your snowplow for personal, family, or household use.  
In this case, refer to the Blizzard Snowplow Limited Consumer Warranty.



95 AIRPARK BOULEVARD ■ CALUMET, MICHIGAN 49913 ■ [906] 482-5555



95 Airpark Boulevard  
Calumet, MI 49913  
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