

# SnowDogg® Snowplow Headlight Adapter

## INSTALLATION INSTRUCTIONS

### 16071120

#### HB5

<b>HB5/9007</b>	DODGE	2000-2004	Dakota
		2002-2005	RAM 1500
		2003-2005	RAM 2500/3500
	FORD	1998-2011	Ranger
		1995-2001	Explorer
		2001-2003	Explorer Sport
		2001-2006	Explorer Sport Trac
		1997-2002	Ford Expedition
		1997-2003	F150
		1997-1999	F250LD
		1992-1997	F250HD/F350/SD
	1999-2004	F250SD/F350/F450/F550	
JEEP	2003-2007	Liberty	
NISSAN	2005-2012	Frontier/Pathfinder	
<b>HB5/9007 SWITCHED GROUND</b>	DODGE	1999-2001	RAM 1500 - QUAD/SPORT
		1999-2002	RAM 2500/3500 - QUAD/SPORT

*If your application is not shown here, contact your dealer for further assistance*

**NOTE:** The 16071120 Headlight Adapter is only for use with HB5 headlights. HB1 headlights use the same connector, but require a 16071130 adapter. Always check the application guide and your bulb marking before installation.

## INSTRUCTIONS

Always verify that all truck lights are functioning correctly before beginning any installation.

### **FOR DODGE SPORT APPLICATION – use the OUTBOARD headlamps**

1. Disconnect both PS and DS side truck headlights from the truck headlight harnesses.
2. Connect the 16071120 adapters to the truck headlights and truck headlight harnesses.
3. Connect the 16071120 adapters to the 8-pin RELAY HARNESS connectors.
4. Use an included Tap connector to tap the PURPLE wire into the TURN light circuits on the passenger and driver sides of the truck.

**If the truck is a SWITCHED GROUND INSTALL – skip step 5 and go to the special instructions (on back of this page).**

5. Use an included Tap connector to tap the BROWN wire into the PARK light circuits on passenger and driver sides of the truck.
6. Check all light functionality before operating the plow.

**SPECIAL INSTRUCTIONS FOR:  
 DODGE 1500 1999-2001 4 LAMP (SPORT) –  
 SWITCHED GROUND INSTALL  
 DODGE 2500/3500 1999-2002 4 LAMP (SPORT) –  
 SWITCHED GROUND INSTALL**

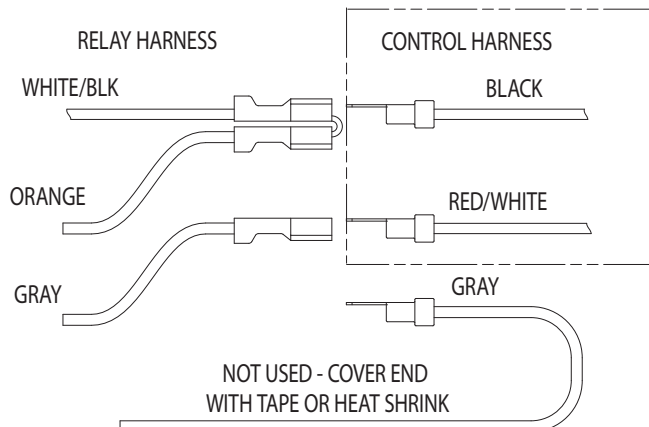
**NOTE: Auxiliary relay kit 16071210 is required on most switched ground Dodge's to ensure proper operation when the vehicle is turned off. Without this kit, with ignition in the off position, the relay module may buzz, the parking lights on the will remain on, and the high beam indicator will be lit.**

Adapter kit 16071220 will be required to connect the inboard high beams. Without this, the inboard high beams will remain controlled by the truck and will be on simultaneously with the plow high beams. This will not damage anything, but may result in glare on the back of the moldboard.

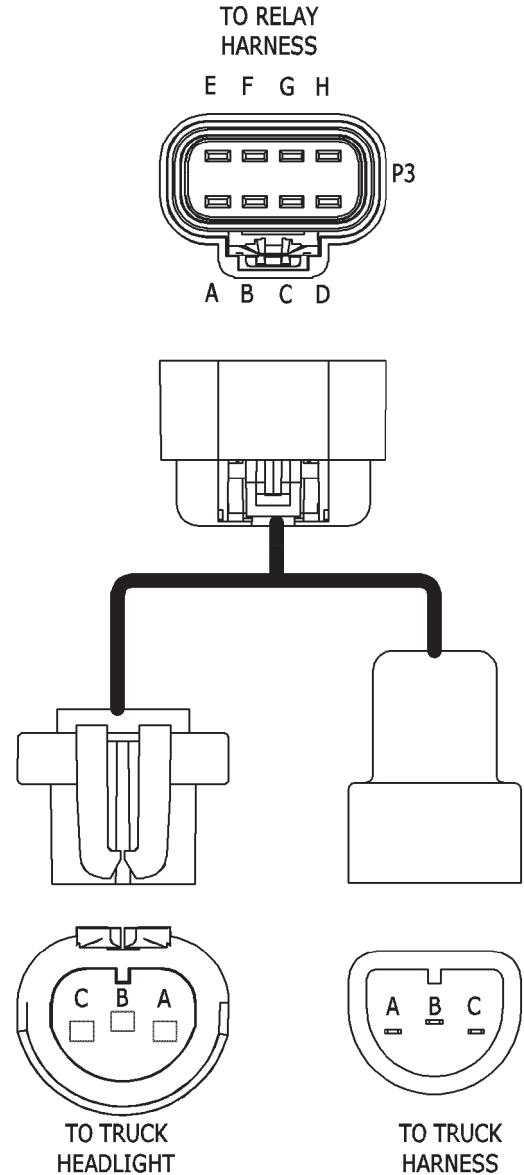
**THE 16160100 RELAY HARNESS MUST BE INSTALLED FOR SWITCHED GROUND CONFIGURATION PER THE DIAGRAM SHOWN BELOW.**

1. Locate the gray wire with pre-connected male/female quick connects. Disconnect the two halves. The male quick connect will not be used and should be taped off.
2. The female end should be connected to the RED/WHITE wire from the 16160300 CONTROL HARNESS
3. **CONNECT THE BROWN WIRES ON THE HEADLIGHT ADAPTERS TO GROUND - THEY DO NOT CONNECT TO THE PARKING CIRCUIT.**
4. Connect the WHT/BLK, ORANGE, and BLACK wires as shown. Do not heat-shrink or seal – these will be disconnected when the 16071210 is installed.
5. Verify function of headlights, parking lights, and turn signals on plow and truck.
6. Follow 16071210 installation instructions.

SWITCHED GROUND HEADLIGHTS  
 (SEE APP GUIDE FOR ASSISTANCE)



**HARNESS REFERENCE**



FUNCTION	P1 PIN	P2 PIN	P3 PIN	WIRE COLOR	RELAY HARNESS
LIGHT LB	A		A	YEL/BLK	YEL/BLK
COMMON	B	B	B	BLK	GRAY*
HARNESS LB		A	C	YEL	YEL/WHT
LIGHT HB	C		D	GRN/BLK	GRN/BLK
-			E	-	-
HARNESS HB		C	F	GRN	GRN/WHT
PARK			G	BROWN	BROWN
TURN			H	PURPLE	PURPLE

\* ONLY PRESENT ON SHORT RELAY HARNESS LEAD

**Make sure to apply dielectric grease to each connection**