

SnowDogg® Snowplow Headlight Adapter

INSTALLATION INSTRUCTIONS

16071130

HB1

HB1/9004	DODGE	1994-1998	Ram 1500
		1994-1998	RAM 2500/3500
HB1/9004 SWITCHED GROUND	DODGE	1999-2001	RAM 1500 - NON SPORT - 2 LAMPS
		1999-2002	RAM 2500/3500 - NON SPORT - 2 LAMPS

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

NOTE: The 16071130 Headlight Adapter is only for use with HB1 headlights. HB5 headlights use the same connector, but require a 16071120 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.

1. Disconnect both PS and DS side truck headlights from the truck headlight harnesses.
2. Connect the 16071130 adapters to the truck headlights and truck headlight harnesses.
3. Connect the 16071130 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.

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 2 LAMP (NON-SPORT) –
SWITCHED GROUND INSTALL
DODGE 2500/3500 1999-2002 2 LAMP (NON-
SPORT) – SWITCHED GROUND INSTALL**

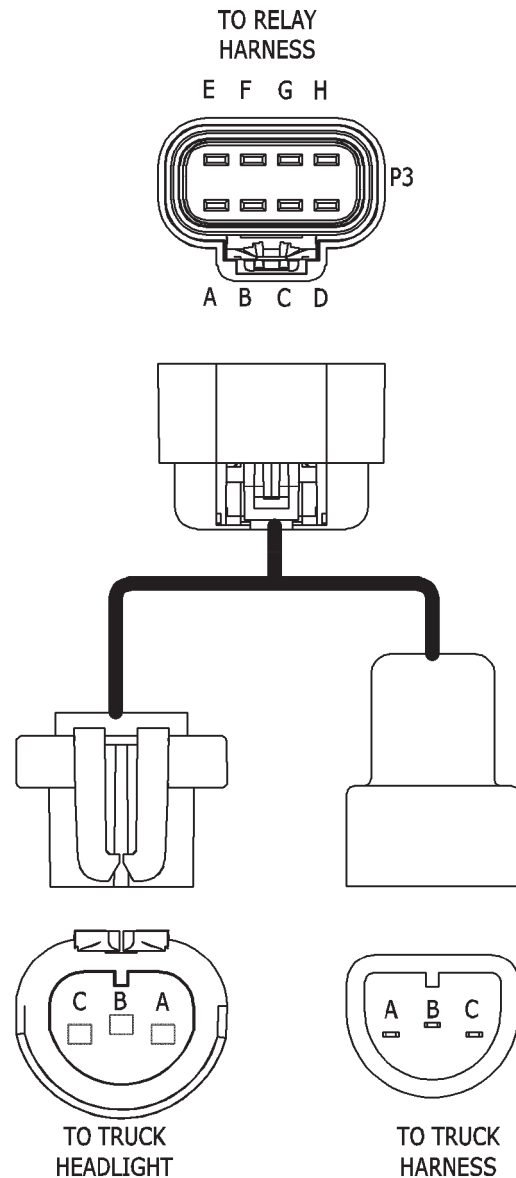
NOTE: Auxiliary relay kit 16071210 is required on most switched ground Dodge's to ensure proper operation when the vehicle is turned off. Without this kit, with ignition in the off position, the relay module may buzz, the parking lights on the will remain on, and the high beam indicator will be lit.

The 16160102/16160104 RELAY HARNESS must be installed for SWITCHED GROUND configuration per the diagram shown on back .

1. CONNECT THE BROWN WIRES ON THE HEAD-LIGHT ADAPTERS TO GROUND - THEY DO NOT CONNECT TO THE PARKING CIRCUIT.

- 2.** Follow 16071210 installation instructions.
- 3.** Cut open the loom on the GRILL HARNESS near the 8-pin connector to locate the WHITE/BLACK wire. This wire has male and female connectors in line.
- 4.** Disconnect the WHITE/BLACK wires (male and female connectors) from each other on the GRILL HARNESS.
- 5.** Connect the ORANGE wire on the RELAY MODULE to the WHITE/BLACK wire on the GRILL HARNESS (the wire that goes back to the relay box). This supplies ground to the relay coils when the plow is connected.
- 6.** Connect the WHITE/BLACK wire on the GRILL HARNESS (the wire that goes toward the grill) to the RED/WHITE wire on the CONTROL HARNESS. This supplies ignition switched power to the common wire of the plow lights.
- 7.** With the plow disconnected, check all light functions on the vehicle.
- 8.** Connect the plow and check all light functions on the plow.

16071130 HARNESS REFERENCE

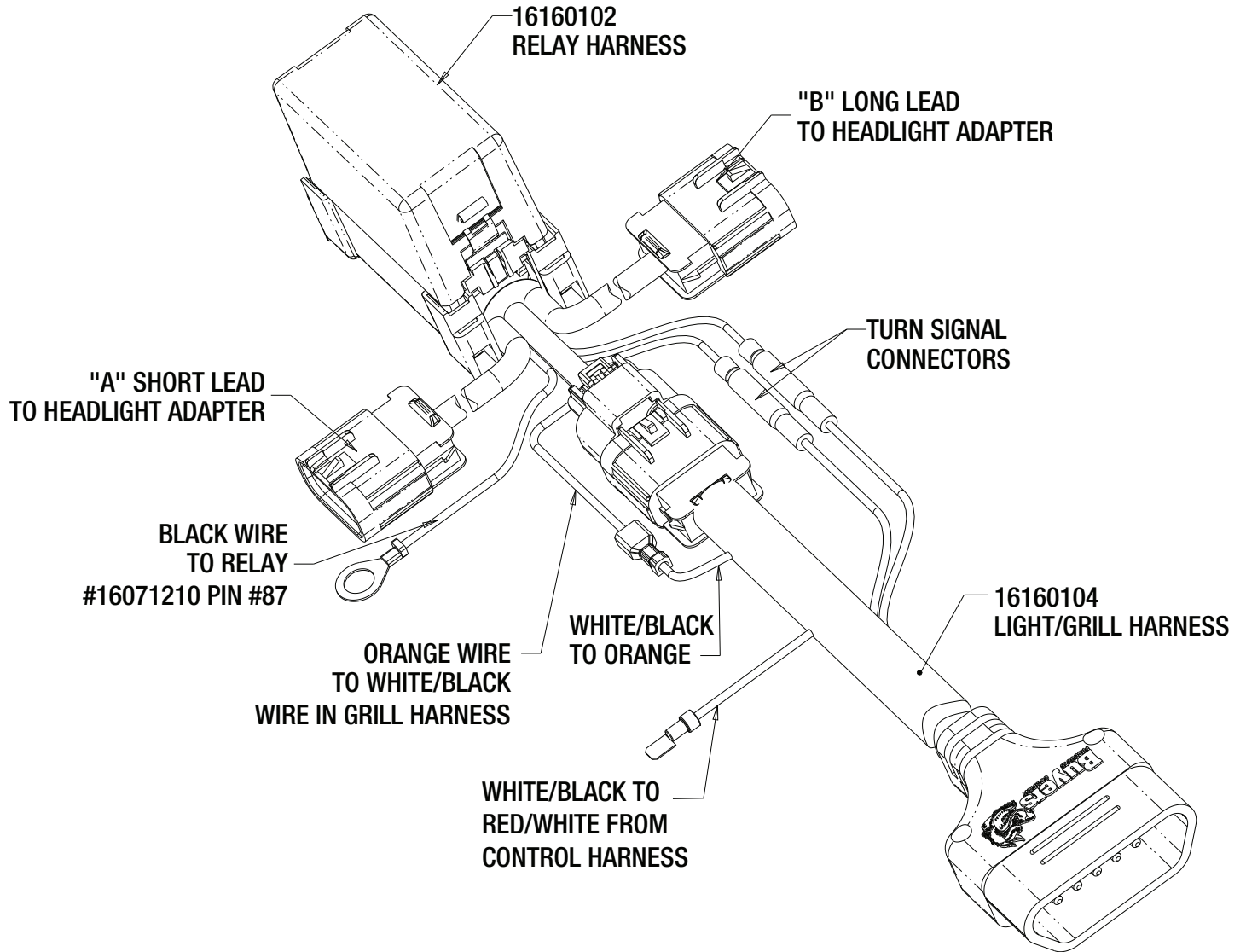


FUNCTION	P1 PIN	P2 PIN	P3 PIN	WIRE COLOR	RELAY HARNESS
LIGHT LB	B		A	BLK	YEL/BLK
COMMON	A	A	B	YEL/BLK	GRAY*
HARNESS LB		B	C	BLK	YEL/WHT
LIGHT HB	C		D	GRN/BLK	GRN/BLK
-			E	-	-
HARNESS HB		C	F	GRN	GRN/WHT
PARK			G	BROWN	BROWN
TURN			H	PURPLE	PURPLE

* ONLY PRESENT ON SHORT RELAY HARNESS LEAD

Make sure to apply dielectric grease to each connection

SWITCHED GROUND DIAGRAM





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