

# 800089-MPX (Sealed Relays)

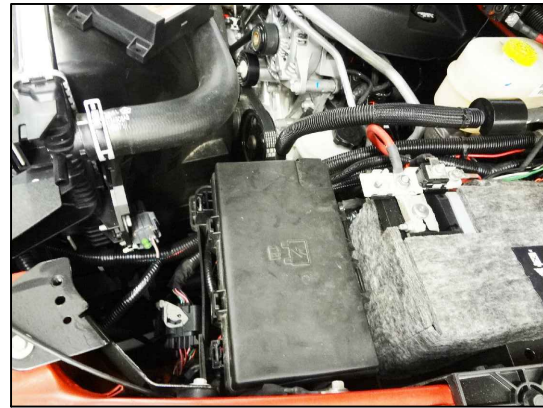
## Light harness installation instructions

(module installed in the front – on the plow)

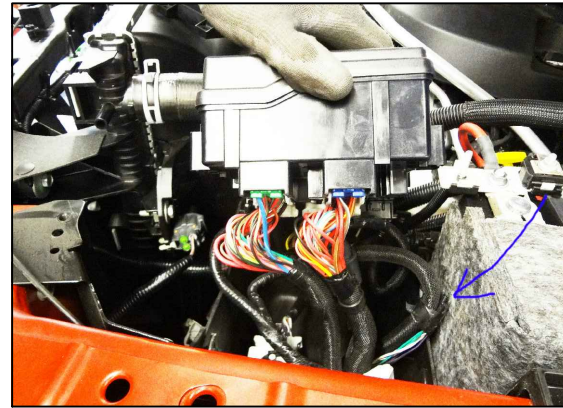
- W2500/3500 RAM (2015 and above)

Except Power wagon

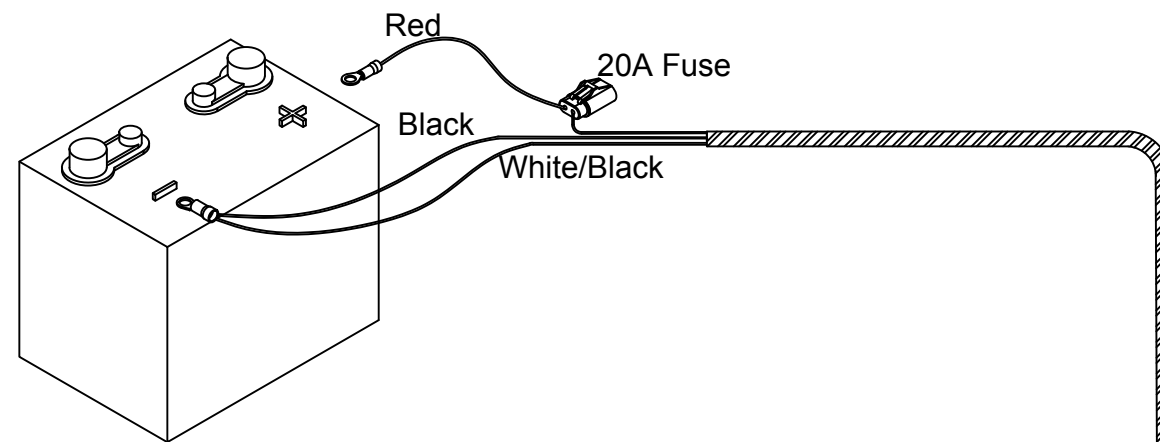




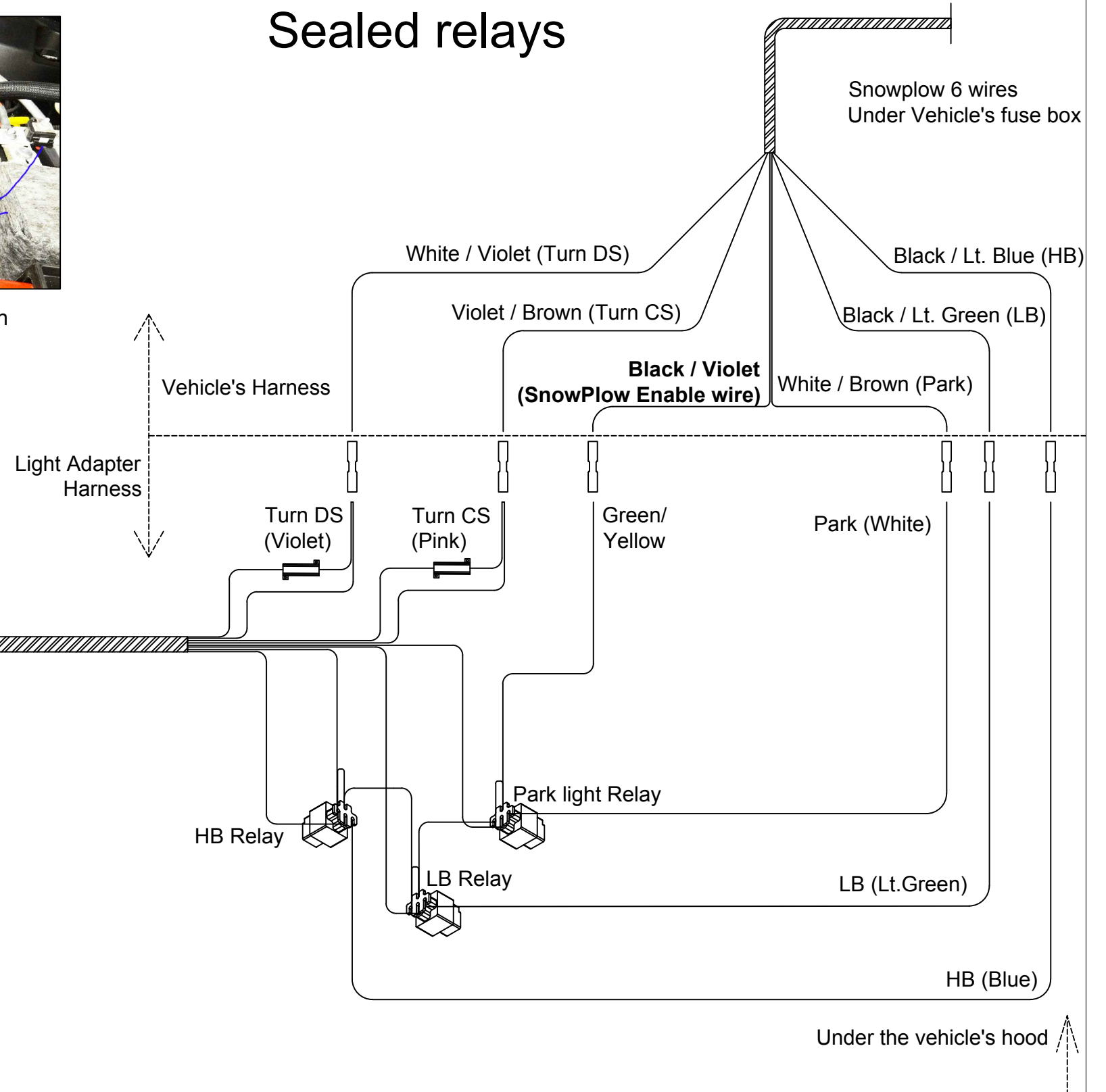
Unclip the fuse box



Lift the box and find 6 wires, attach them to the harness as shown

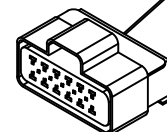


## Sealed relays



	Vehicle Harness		Light Adapter Harness	Function
Connect	Black/Lt. Blue	To	Blue	High Beam
Connect	Black/Lt. Green	To	Lt. Green	Low Beam
Connect	White/Brown	To	White	Park
Connect	White/Violet	To	Violet	DS Turn
Connect	Violet/Brown	To	Pink	CS Turn
Connect	Black/Violet	To	Green/Yellow	Snowplow Enable wire

In front of vehicle's grille



### LEGEND

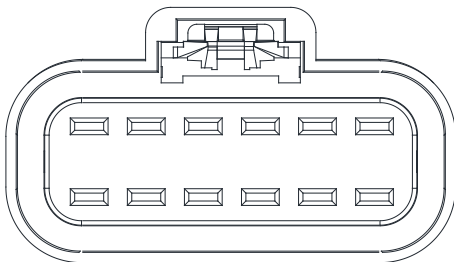
- DS- Driver Side
- CS - Curb Side
- HB - High Beam
- LB - Low Beam

### Installation instructions

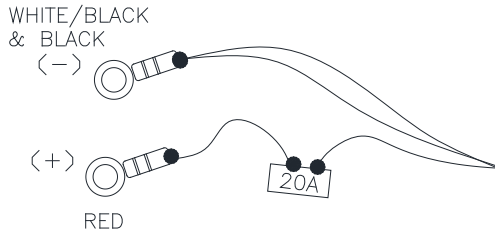
#### **Warning:**

- Top of battery needs to be protected. If positive side of battery is accidentally grounded person could be burnt or wiring system can be damaged, or battery gases could explode causing injuries.
- Disconnect cable from negative battery terminal before starting installation.
- Always wear eye protection and protective clothing when working around hydraulic systems.
- Remove jewelry and objects that might conduct electricity while working on power units.
- Electrical cables (harnesses) must be tied and routed safely to avoid any damage and pinching (away from hot places, sharp objects etc.).
- When drilling mounting holes or using self-tapping screws in the engine compartment, be sure to check the mounting location for any wires, hoses other obstructions that could be damaged during installation.

1. Turn off the ignition of your vehicle.
2. Disconnect both battery cables (negative & positive).
3. Use dielectric grease on all electrical connections to prevent corrosion.
4. Install the light harness 800089-MPX avoiding any sharp edges, any moving or hot parts. Use cable ties to safely secure the harness.
5. Find the snowplow 6 wires underneath the driver side ignition panel fuse box (in the vehicle's hood).
6. Using heat shrink butt connectors attached at the end of wires in 800089-MPX harness, connect individual wires from 800089-MPX harness to the snowplow 6 wires in the vehicle (refer to the drawing on Page #2).
7. Make sure that relay terminals are very well greased & placed in a safe position away from hot or moving parts.
8. Make sure that 12-way connector (see picture below) from the light harness comes out on the driver side from the vehicle grill.



9. Attach red wire to the positive side and white/black & black wire to negative side of the battery (see below).



10. Snow Plow Lamps should be mounted in the desired location on the snowplow frame ensuring that the snow plow lamp beams are not obstructed by any portion of the plow or vehicle.

11. After installation of the light harness, main control harness, all cables and wiring check for proper operation of the light.

12. Parking & turn lamps should be on at same time as vehicle parking & turn lamps. If any lamp does not operate correctly, re-check wiring against wiring diagram and make necessary corrections in wiring hookup. Adjust the plow lamp beams to project the same distance ahead of the vehicle as compared to the original headlights.

13. Installer of these snow plow lamps must certify that installation conforms to applicable Federal Motor Vehicle Safety Standards.

# 800089-MPX (Unsealed Relays)

## Light harness installation instructions

(module installed in the front – on the plow)

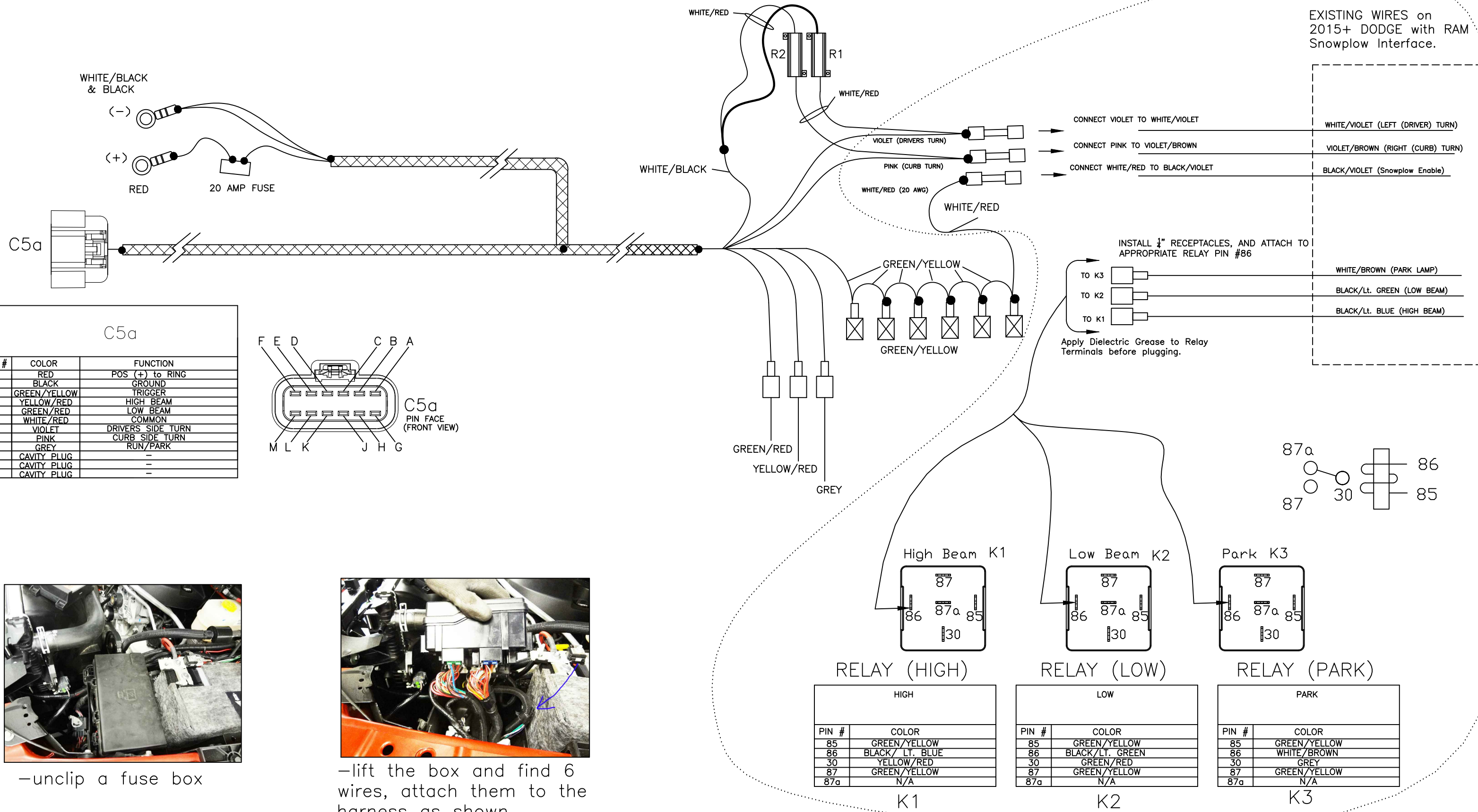
- W2500/3500 RAM (2015 and above)

Except Power wagon



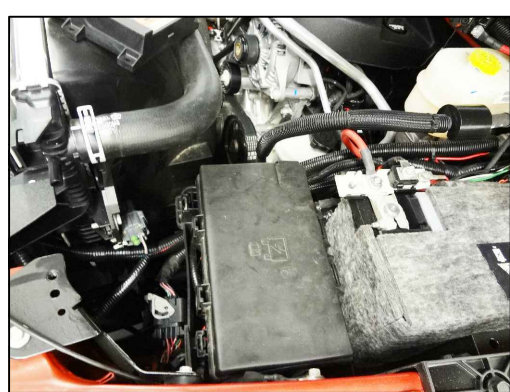
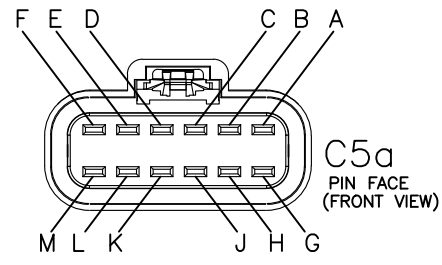
# Unsealed Relays

MPX In the front installation, Light Harness Dodge 2500 / 3500/~~4500~~/~~5500~~/(except Power Wagon) installation 2015+

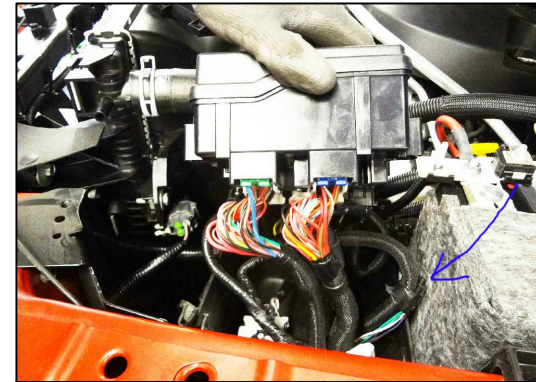


C5a

PIN #	COLOR	FUNCTION
A	RED	POS (+) to RING
B	BLACK	GROUND
C	GREEN/YELLOW	TRIGGER
D	YELLOW/RED	HIGH BEAM
E	GREEN/RED	LOW BEAM
F	WHITE/RED	COMMON
G	VIOLET	DRIVERS SIDE TURN
H	PINK	CURB SIDE TURN
J	GREY	RUN/PARK
K	CAVITY PLUG	-
L	CAVITY PLUG	-
M	CAVITY PLUG	-

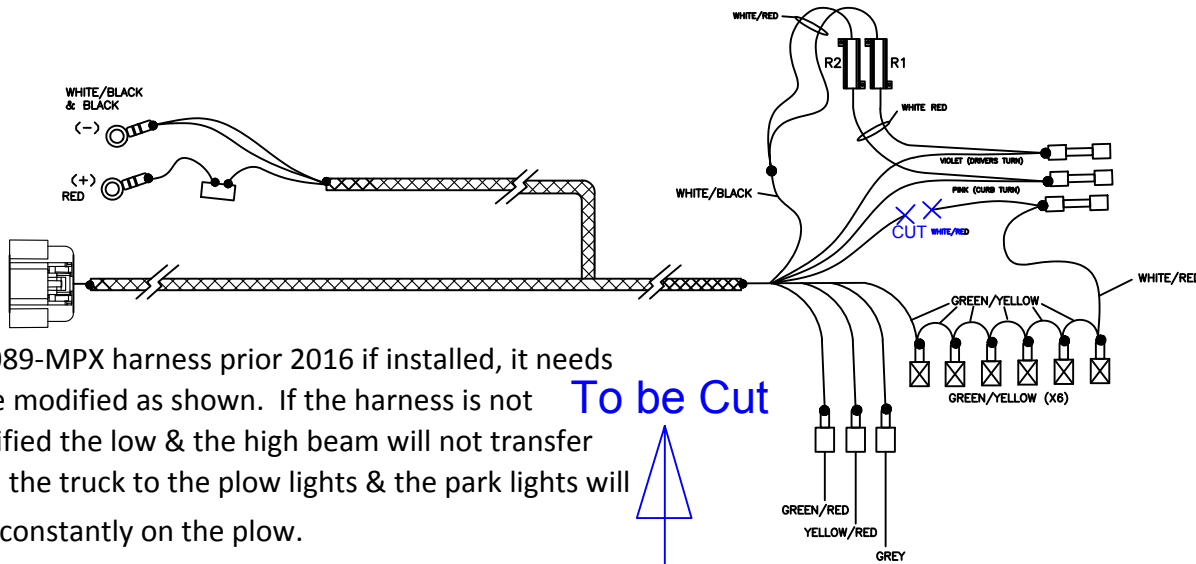


-unclip a fuse box



-lift the box and find 6 wires, attach them to the harness as shown

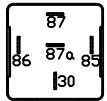
# 800089-MPX harness prior 2016 if installed, it needs to be modified as below.



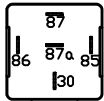
800089-MPX harness prior 2016 if installed, it needs to be modified as shown. If the harness is not modified the low & the high beam will not transfer from the truck to the plow lights & the park lights will stay constantly on the plow.

To be Cut

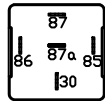
High Beam K1



Low Beam K2



Park K3



High

Note: Apply Label To Relay Label Must Say - K1 High Beam

PIN #	COLOR
85	GREEN/YELLOW
86	N/A (No Heat Shrink)
30	YELLOW/RED
87	GREEN/YELLOW
87a	Glued Heat Shrink

K1

RELAY (HIGH)

Low

Note: Apply Label To Relay Label Must Say - K2 Low Beam

PIN #	COLOR
85	GREEN/YELLOW
86	N/A (No Heat Shrink)
30	GREEN/RED
87	GREEN/YELLOW
87a	Glued Heat Shrink

K2

RELAY (LOW)

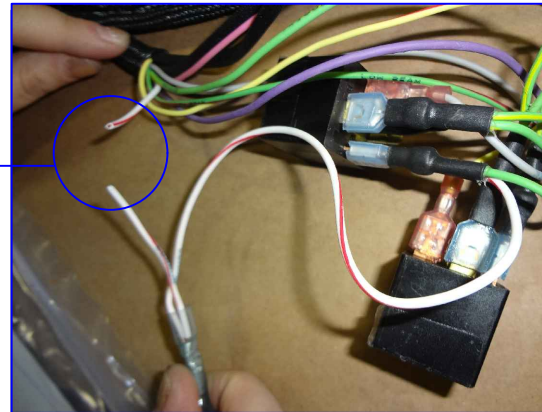
PARK

Note: Apply Label To Relay Label Must Say - K3 Park

PIN #	COLOR
85	GREEN/YELLOW
86	N/A (No Heat Shrink)
30	GREY
87	GREEN/YELLOW
87a	Glued Heat Shrink

K3

RELAY (PARK)



DRAWING NO.

800089-MPX

REV.

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