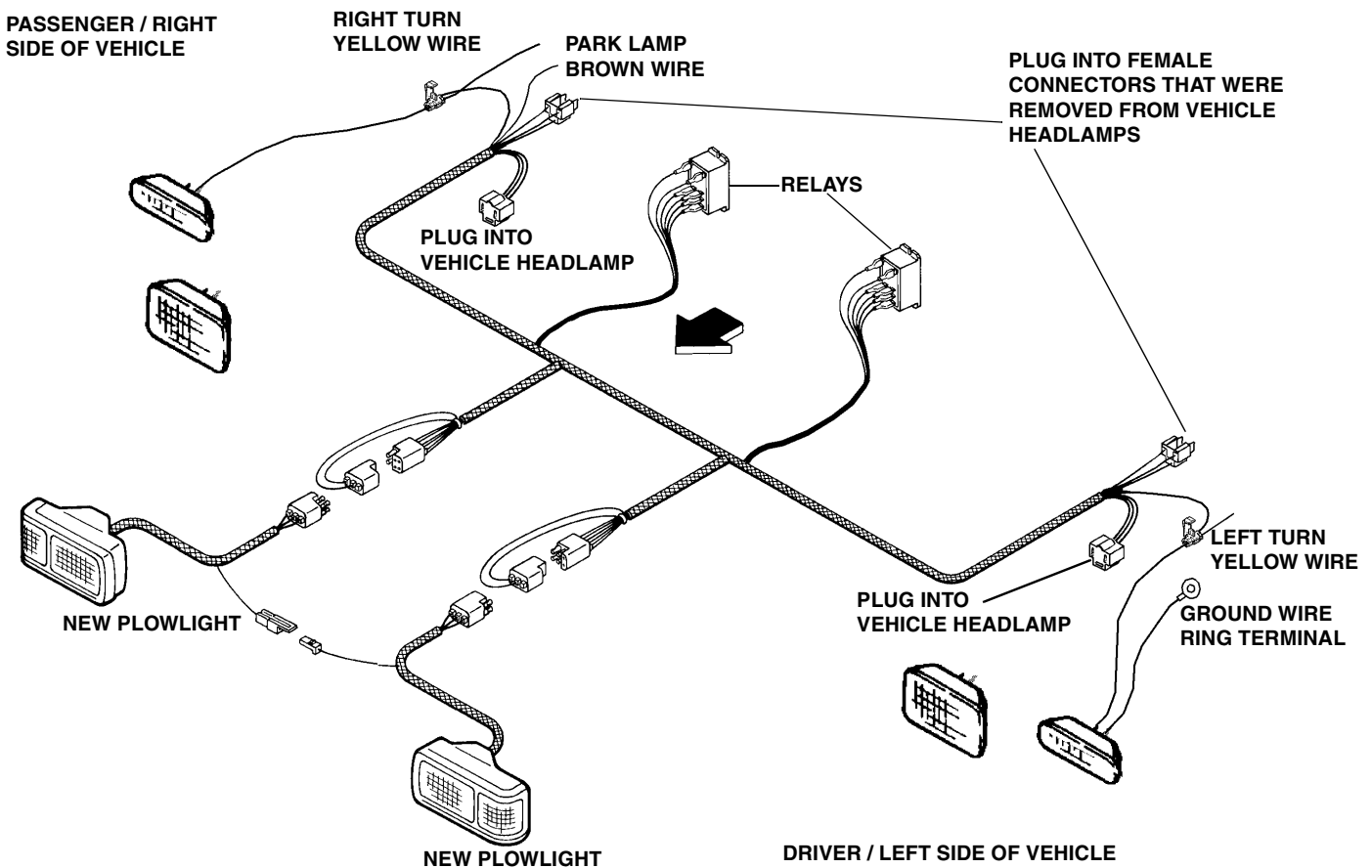


WIRING DIAGRAM & INSTALLATION INSTRUCTIONS FOR 99100529 PLOWLIGHT WIRING HARNESS

RELAY WIRE CONNECTIONS

FUNCTION	WIRE COLOR	RELAY PIN NO.
GROUND	BLACK	0
PARK LIGHTS	BROWN	1
HIGH BEAM IN	RED	4
HIGH BEAM TRUCK	RED/BLACK	3
HIGH BEAM PLOW	RED/WHITE	2
LOW BEAM IN	GREEN	8
LOW BEAM TRUCK	GREEN/BLACK	7
LOW BEAM PLOW	GREEN/WHITE	6

* NOTE: Both relays are wired the same



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1. THINK SAFETY, ALWAYS WEAR SAFETY GLASSES WHEN PERFORMING THE OPERATIONS PRESCRIBED IN THESE INSTRUCTIONS
2. READ ALL INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING INSTALLATION



ASSEMBLY TOOLS NEEDED:

Sockets	7/16"—1-3/8"
Wrenches	7/16"—1-3/8"
Drill	5/32"
Plastic Wire Ties	

INSTALLATION

IMPORTANT: Use a dielectric compound on all connections to prevent corrosion.

1. Disconnect the vehicle headlight electrical connector from the back of the vehicle headlamps.

NOTE: This may require the removal of the headlamp assembly from the front of the vehicle if the connector is not easily accessible.

2. Attach the individual wire terminals from the plowlight harness to the relay using the table showing the relay wire connections as a guide.
3. Position the harness in the engine compartment such that the black ground wire with ring terminal is located on the drivers side of the vehicle.



CAUTION

**Make sure that wire harness is routed away from all moving engine components.
Example; fan, belts etc.**

4. If it has been determined that an adapter harness is required for this vehicle, refer to the instructions supplied with the adapter harness, then proceed to the next step.

NOTE: Holes may have to be drilled in front valance sheet metal to pass wire harness through. Be careful not to drill into radiator or AC core. Line all holes with appropriate grommets available locally.

5. Route the harness to the right side of the vehicle by running harness between the radiator and the grille.
6. Place plowlight connectors on outside of grille.
7. Attach the plowlight harness connectors to right and left vehicle headlamps.
8. Attach the plowlight harness to the driver and passenger side of the vehicle harness, previously connected to the vehicle headlamps.

9. Locate the left turn signal wire on the vehicle wire harness. Using Scotch-Lock® connector (#96002039) splice yellow plowlight harness wire to vehicle turn signal wire.
10. Locate the right turn signal wire on the vehicle wire harness. Using Scotch-Lock® connector, splice yellow plowlight harness wire to vehicle turn signal wire.
11. Locate the right park light wire on the vehicle wire harness. Using Scotch-Lock® connector, splice brown plowlight harness wire to vehicle park wire.
12. If disassembled, reassemble vehicle components.
13. Secure plowlight harness to a safe location with electricians tape or plastic wire ties. Excess harness length should be neatly coiled and taped or tied out of the way.



CAUTION

**Make sure that wire harness is routed away from all moving engine components.
Example; fan, belts etc.
DO NOT attach wire harness to hoses, radiator AC coils, exhaust manifolds, or control cables.**

14. Turn on vehicle lights and check operation.
15. Plug in plowlights to plowlight harness and check to make sure vehicle headlamps go out and plow headlights come on. Check park and turn signals.
16. Locate the relay on a flat, accessible location away from exhaust manifolds and mark location of mounting points.
17. Drill locations with 5/32" drill and secure relay with (2) #10-16 x 1" self tapping washer head screws (#98100037) provided.