



WESTERN PRODUCTS
P.O. BOX 245038
MILWAUKEE, WISCONSIN 53224-9538

Unimount

A DIVISION OF DOUGLAS DYNAMICS, INC.

MINIMUM VEHICLE
RECOMMENDATIONS

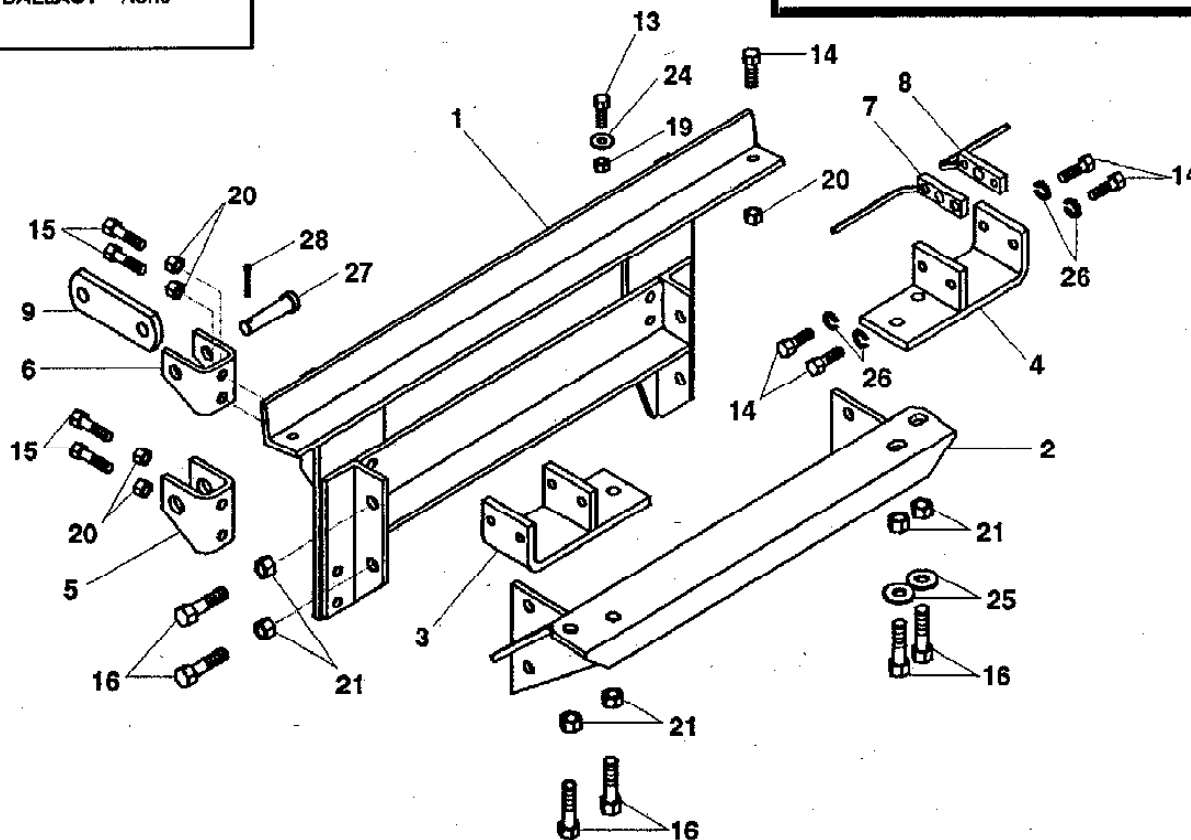
Standard Equipment
Requires Front Bumper Notches

REAR BALLAST - None

Vehicle Installation Instructions and
Parts List

Model 1565
Mount Assembly Box No. 62090
Chevrolet /GMC 3500HD
1991 & Later
Headlamp Kit No. 61540
Hydraulics Box No. 56365
Harness Kit No. 61545 or 61515
October 31, 2003

Mount Assembly Box No. 62090
PARTS DIAGRAM & LIST



ITEM	PART NO.	QTY	DESCRIPTION
1	62085	1	MOUNT FRAME 1565
2	62075	1	THRUST FRAME
3	62088	1	MOUNT BAR DR
4	62089	1	MOUNT BAR CU
5	61917	2	COUPLING LUG
6	61916	2	LINK ARM LUG
7	61518	2	NUT BAR DR
8	61517	2	NUT BAR CU
9	61412	2	LINK ARM
13	90066	2	7/16-14X1-1/4 HX CS G5 ZP
14	90100	10	1/2-13X1-1/2 HX CS G5 ZP
15	90102	8	1/2-13X2 HX CS G5 ZP
16	90129	8	5/8-11X2 HX CS G5 ZP
19	91334	2	7/16-14 PT HX LK NUT NYIS ZP
20	91335	10	1/2-13 PT HX LK NUT NYIS ZP
21	91337	8	5/8-11 PT HX LK NUT NYIS ZP
24	91104	2	7/16 PLAIN WASHER TY A STD ZP
25	91106	2	5/8 PLAIN WASHER TY A STD ZP
26	91205	8	1/2 SP LK WASHER ZP
27	93062	2	RIVET 3/4" X 3-1/4" G5 ZP
28	91911	2	5/32X1-1/2 COTTER PIN ZP

ITEM	PART NO.	QTY	DESCRIPTION
NOT SHOWN			
22381	1	1	BATTERY ADAPTERS, SIDE TERMINAL
90308	2	2	#10-24X3/4 RD MS BZP
91098	2	2	#10 PLAIN WASHER TY B NAR ZP
91401	2	2	#10-24 HX NUT ZP
61536	2	2	CABLE TIE - LONG

Above listed parts may be found the in the following:
62076 1 BOLT BAG ASSY (62090)

Abbreviations			
BZP	Black Zinc Plate	NYIS	Nylon Insert
CS	Capscrew	PT	Prevailing Torque
CU	Curb-Side	RD	Round Head
DR	Driver-Side	SP	Spring
G	Grade	STD	Standard
HX	Hex	TY	Type
LK	Lock	ZP	Zinc Plate
MS	Machine Screw		
NAR	Narrow		

Mount Box No. 62090
INSTALLATION INSTRUCTIONS

NOTE: This installation requires that notches be cut into the front bumper. Obtain approval from vehicle owner prior to beginning installation.

IMPORTANT: Read instructions before assembling. Bolts should be finger tight until instructed to tighten to torque shown in torque chart. Use standard methods and practices when attaching snowplow including wearing safety glasses during drilling.

MOUNT ASSEMBLY

1. Remove grill, bumper, and bumper brackets.
2. Locate each mount bar to the bottom of the vehicle frame at the vehicle body mount bracket.

Place mount frame on vehicle frame horns.

Attach thrust frame to mount frame using two 5/8" x 2" bolts and locknuts on each side.

Attach each mount bar to the thrust frame with two 5/8" x 2" bolts and locknuts. Use two flat washers against thrust arm slots on curb-side.
3. Rotate assembly so mount bars are tight to bottom of vehicle frame.

NOTE: Mount bars **MUST** be tight to bottom of vehicle frame.

Use mount bar holes as a template. Use a 1/2" drill to mark four hole locations on each vehicle frame rail.

4. Remove mount components from vehicle.

Drill eight 17/32" holes at marked locations for mount bars.

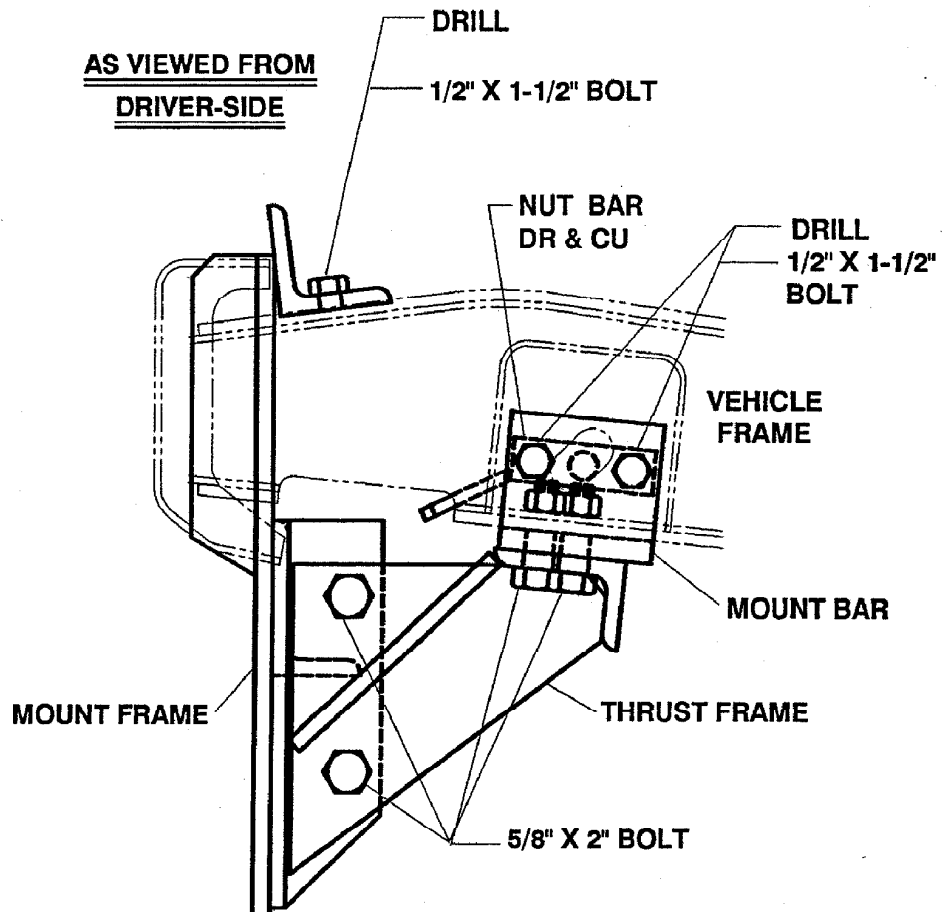
5. Install each mount bar to vehicle frame using four 1/2" x 1-1/2" cap screws with lock washers and two nut bars (one driver-side and one curb-side nut bar on each side of vehicle) inserted inside boxed vehicle frame.

Reassemble mount frame and thrust frame following step 2 above.

6. Use top angle of mount frame as a template. Drill one 1/2" hole through the top of each vehicle frame rail and secure using one 1/2" x 1-1/2" bolt and locknut.

TIGHTEN ALL FASTENERS TO CORRESPONDING TORQUE CHART VALUES.

Recommended Fastener Torque Chart (Ft.-Lbs.)				
Size	SAE Grade 2	SAE Grade 5	SAE Grade 8	
1/4-20	6	9	13	
5/16-18	11	18	28	
3/8-16	19	31	46	
3/8-24	24	46	68	
7/16-14	30	50	75	
1/2-13	45	75	115	
9/16-12	66	110	165	
5/8-11	83	150	225	
3/4-10	150	250	370	
7/8-9	202	378	591	
1-8	300	583	589	
Metric Grade 8.8 (Ft.-Lbs.)				
Size	Torque	Size	Torque	
M 6	7	M 12	80	
M 8	17	M 14	95	
M 10	35	M 16	155	
These torque values apply to mount assembly fasteners except those noted in the instruction.				



COUPLING LUGS

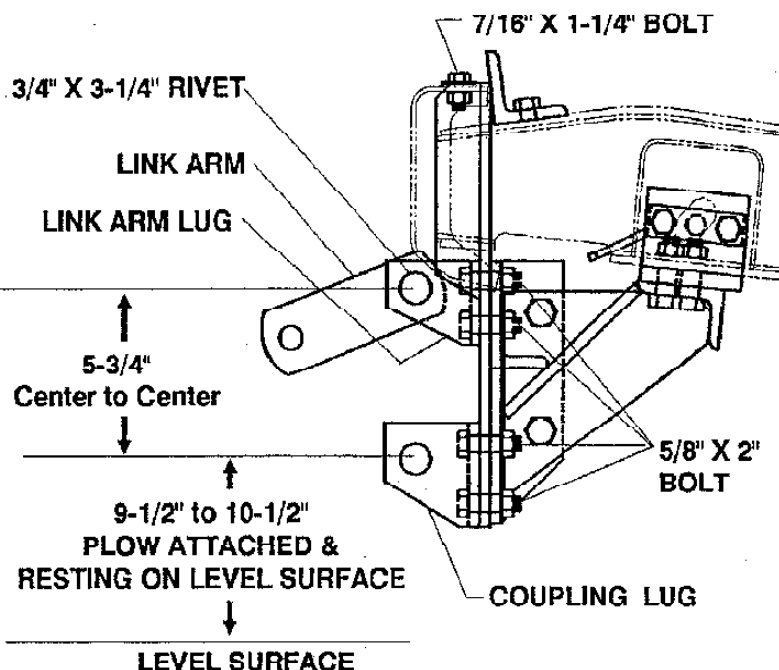
1. During coupling lug installation, allow for drop in vehicle height when weight of plow is added. Final coupling lug hole center to level surface distance should be 9-1/2" to 10-1/2" with plow attached and resting on the level surface. (See Coupling Lug Height Check near end of these instructions.)

Position the coupling lugs (1" diameter holes) against the set of lower holes in the front of the mount frame. (Turning lugs upside down changes height by 1".)

2. Secure each coupling lug with two 1/2" x 2" bolts and locknuts.

BUMPER NOTCH

Locate bumper to original position. Using link arm lugs with a 3/4" x 3-1/4" rivet, mark location of notch on bumper. (Notch needs to be 1/2" above link arm lugs when installed.) Remove bumper and cut notches.



LINK ARM LUGS

1. Install link arm lugs (3/4" diameter holes) so angled side is in the same position as the coupling lugs. Position the link arm lugs to the upper holes on the front of the cross channel on the mount frame.

NOTE: Centers of the coupling lug holes to center of the link arm holes should be 5-3/4".

2. Secure each link arm lug with two 1/2" x 2" bolts and locknuts.

LINK ARMS

Fasten a link arm between each pair of link arm lugs with a 3/4" x 3-1/4" grade 5 rivet and cotter pin.

BUMPER/GRILL

1. Install bumper and bumper brackets to original location using existing fasteners except for the top two holes at the frame rails. Replace those fasteners with 7-16" x 1-1/4" bolt and flat washer secured with a locknut from the inside.
2. Reinstall grill using existing fasteners

NOTE: After 5 to 10 hours of snowplow usage, retorque all mount assembly fasteners.

NOTE: During electrical installation, THE LONG BATTERY GROUND CABLE (no stripe) MUST BE GROUNDED TO THE NEGATIVE BATTERY TERMINAL.

LIGHT KIT ASSEMBLY - Do NOT change flasher.

FOR DUAL TYPE 2B HEADLAMPS - Use Box No 61540 Headlamp Kit 9 Pin and 51545 Harness Kit 2B/2D 9 Pin U -A.

FOR QUAD COMPOSITE TYPE HB-3/HB-4 HEADLAMPS - Use Box No 61540 Headlamp Kit 9 Pin and 61515 Harness Kit HB-3/HB-4 9 Pin U -A.

SPECIAL INSTRUCTIONS

Chevrolet and GMC
Light Trucks

HAZARD WARNING CIRCUIT

Snowplow Park/Turn Hazard Lights can overload the vehicle electrical circuit when Hazard Lights flash for extended periods or when foot brake is activated with Hazard Lights flashing.

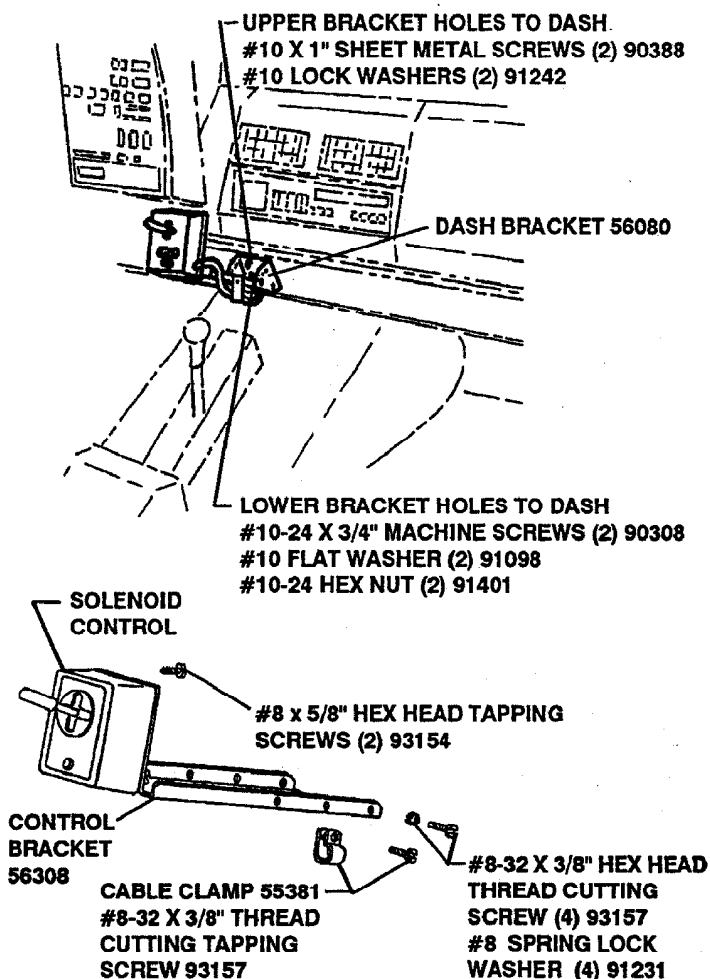
GM recommends that a light harness and relays be installed for snowplow lighting. See your GM dealer for service bulletin # 90-8A-20. Western also offers a Directional Light Harness Kit (P.N. 61185), See Service Bulletin SP 619.

Continued on next page.

Solenoid Control and Dash Bracket INSTALLATION INSTRUCTIONS

Parts to be installed are furnished in hydraulics box except as noted in ().

1. Remove the center air vent section of the dash, located above and to the right of the ash tray. Pry out at the bottom, then press in at the top while pulling down and out at the bottom. Disconnect any electrical equipment attached to the panel. Remove radio if located below center section of dash.
2. Temporarily assemble solenoid control to control bracket using two no. 8 x 5/8" hex head screws and control bracket to dash bracket (found in mount box) using four no. 8 x 3/8" hex head thread cutting screws and lock washers.
3. Locate control assembly to the right of the ash tray, and up to the bevel on the flat recessed surface. The bracket should fit fairly flat against the surface of the dash. Verify that control lever will clear vehicle components in all positions. Check for adequate drill clearance including looking into dash opening to avoid ribs before drilling holes.
4. Mark this location.
5. Remove dash bracket from control assembly. Place bracket in the selected location and mark all four mounting holes.
6. Drill 7/32" holes in the dash for the lower two holes, and 1/8" for the upper two holes, to align to holes in the dash bracket. Secure using two no. 10 x 3/4" machine screws, flat washers to dash, and nuts (found in mount box) in the lower holes and no. 10 x 1" sheet metal screws and lock washers in the upper holes.
7. Reassemble control bracket to dash bracket. Bend top flange of control bracket to desired position.
8. Secure harness to control bracket with cable clamp and a no. 8 x 3/8" thread cutting tapping screw.
9. Replace the radio, if removed, and dash panel.





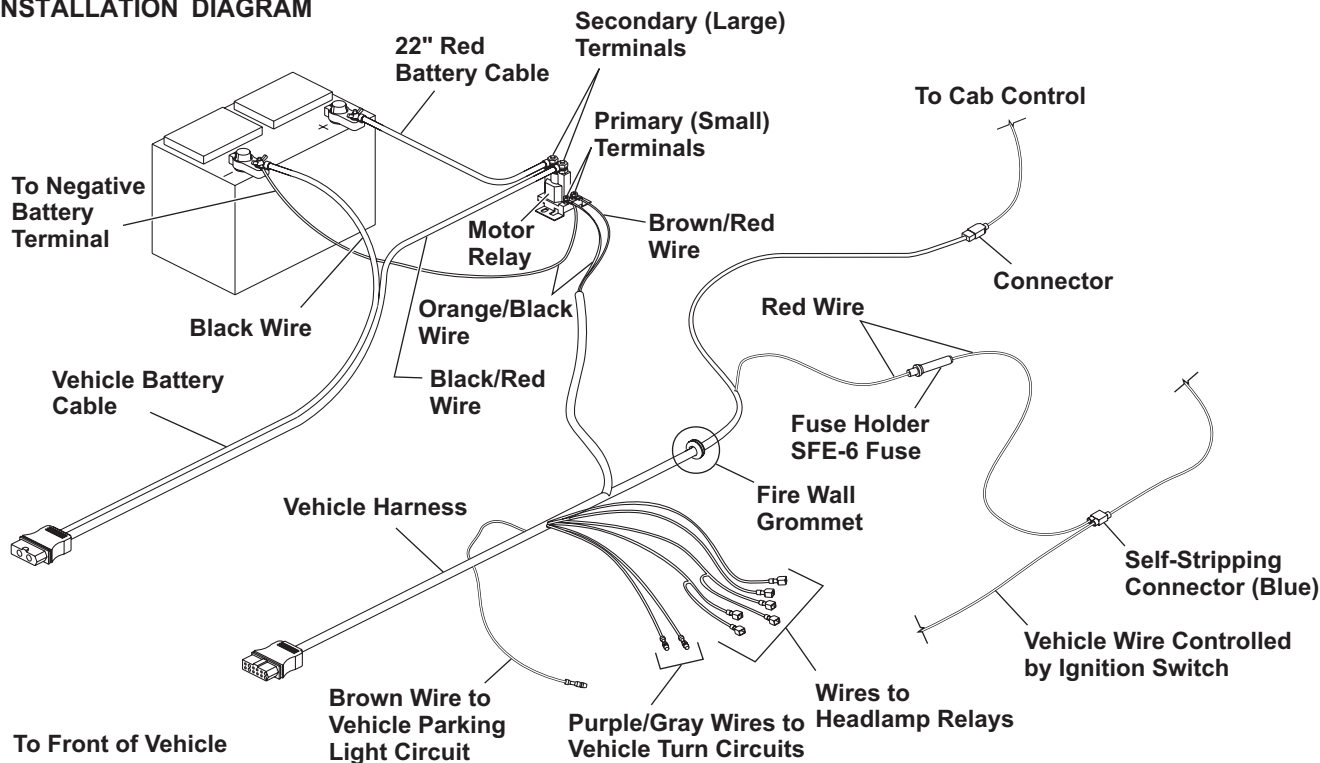
SAFETY NOTE: Whenever you see this symbol, it notes a **SAFETY WARNING**. To avoid serious injury to yourself or others, follow all warnings.

Vehicle Underhood INSTALLATION INSTRUCTIONS

9-Pin Vehicle Harness And Motor Relay

Except as noted, parts to be installed are found in the hydraulics box.

HARNESS, SOLENOID CONTROL & MOTOR RELAY INSTALLATION DIAGRAM



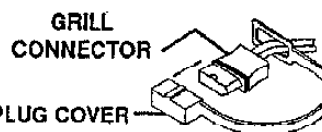
NOTE: To prevent corrosion on all underhood electrical connections, use dielectric grease to fill receptacles and lightly coat ring terminals and blades before assembly or lightly coat connections after assembly.

1. Identify wires for the parking lamp on the driver-side and the turn signals on both sides. Attach a black self-striping bullet receptacle connector (found in harness kit) to each of these three wires.
2. Remove negative battery cable from battery.



WARNING: Electrical shock hazard. Disconnect battery before beginning electrical installation.

3. Find a location for the motor relay where it will be protected from road splash and will be within 18" of the vehicle primary battery. Note: Motor relay terminals must be up or horizontal. Using the motor relay mounting plate as a template, drill two 9/32" holes, and mount motor relay to holes using 1/4" x 3/4" bolts, flat washers, and locknuts.
4. Route 22" red battery cable between a large motor relay terminal and the POSITIVE (+) battery terminal, taking care to avoid sharp edges and hot or moving parts. Attach cable to motor relay terminal with a lock washer and 5/16"-24 jam nut. Attach cable to the battery POSITIVE (+) terminal with the furnished battery adapter. (Adapters found in mount box.) Tighten battery adapter to 124–178 in-lb. Attach OEM battery cable to adapter with original bolt. Hold adapter while tightening original bolt to 124–178 in-lb.
5. Stretch rectangular openings of plug cover straps (found in harness kit) over grill connector ends of long battery cable assembly (found in hydraulics box) and 9 pin vehicle harness (found in harness kit). Place plug covers over molds on harnesses.



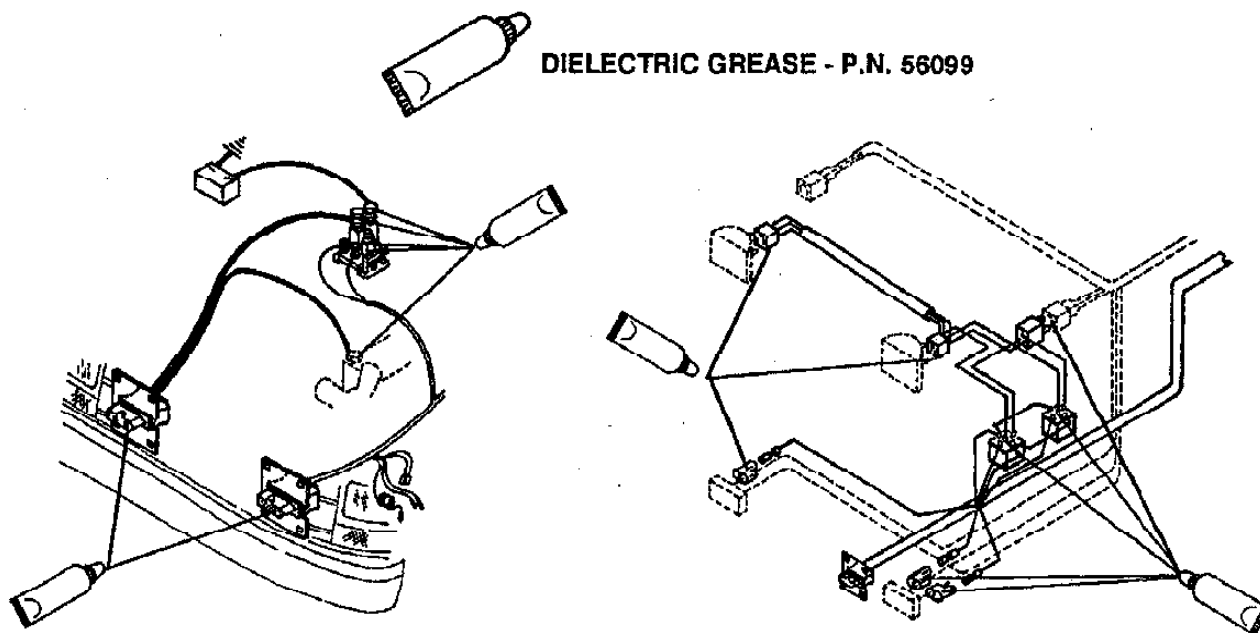
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6. Find a location in the vehicle grill on the battery side for mounting the battery cable grill connector. The best location is at least 10-1/2" from the center of the grill and at a convenient height for connecting the plow plugs. Allow grill connector of each harness to hang out in front of grill. Allow enough cable so it is easy to mate and remove connectors.
7. Route battery cable through the grill at the selected location and through or around the radiator bulkhead to motor relay taking care to avoid sharp edges and hot or moving parts.
8. Attach cable with red stripe to the unused large terminal on the motor relay, and secure it with a lock washer and 5/16"-24 jam nut.
9. Route cable without stripe directly to the negative battery terminal (separate the two cables as needed to reach the battery). DO NOT attach cable to battery at this time.
10. Find a location in grill on driver-side for mounting 9 pin vehicle harness (similar position to battery cable mount). See Step #6 & 7 above for how to mount. Route 9 pin vehicle harness through grill and around or through radiator bulkhead (drill 5/8" hole if needed) into engine compartment.
11. Route the wires that break out of the 9 pin vehicle harness to the area behind the driver-side headlamp. Route rest of harness to the firewall. Drill a 5/8" hole through the firewall in any convenient location away from hot or moving engine parts. Feed fuse holder through hole first and then feed the plastic connector and harness through to the cab.
12. Route brown/red and black/orange wire loom to motor relay. Attach each ring terminal to a separate small terminal on motor relay using a lock washer and #10-32 nut for each terminal.
13. Attach the hydraulic unit black battery cable and orange/black wire terminal to the negative terminal with the furnished battery cable adapter. (Adapters found in mount box.) Tighten battery adapter to 124-178 in-lb. Attach OEM battery cable to adapter with original bolt. Hold adapter while tightening original bolt to 124-178 in-lb.
14. Inside the cab, route 9 pin vehicle harness connector to solenoid control and couple the connectors together.
15. Locate an accessory wire or unused fuse box terminal capable of carrying 7 amps and controlled by the ignition (key) switch. Route the vehicle harness SFE-6 fuse holder red wire to this location and trim off any excess length of wire (keep fuse holder in system).

Fuse block terminal as source: Attach a terminal (not furnished) to the vehicle harness red wire and plug on to fuse box terminal. If DRL wire is used, crimp pink wire into the same terminal with the red wire.

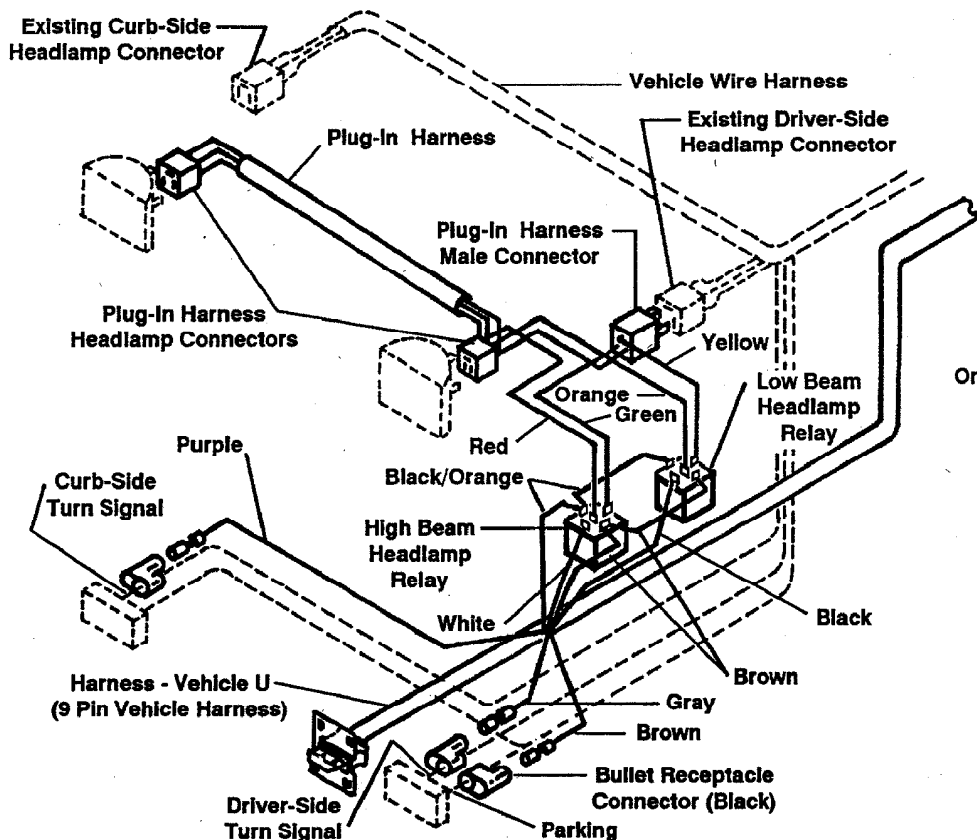
Accessory wire as source: Open blue self-stripping connector and place the end of the red wire against the inner groove stop (end of wire must not extend from the connector) and the accessory wire in the outer groove. Close connector over the wires using a pair of pliers and snap the locking tab in place. Repeat with DRL pink wire.

REMINDER: To prevent corrosion on all underhood electrical connections, use dielectric grease to fill receptacles, including grill connectors, and lightly coat ring terminals and blades before assembly or lightly coat connections after assembly.

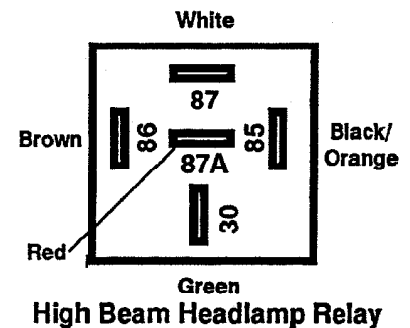
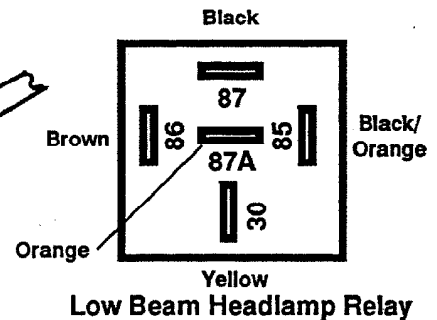


PLUG-IN HARNESS & HEADLAMP RELAY INSTALLATION

PLUG-IN HARNESS INSTALLATION DIAGRAM



HEADLAMP RELAY WIRING DIAGRAM Type - A



Plug-in Harness & Headlamp Relay

- In the engine compartment behind the driver-side headlamp, insert wire bullets from 9 pin vehicle harness into black bullet connectors (installed in step #1 of previous section) as follows:
Brown wire to parking lamp wire on driver-side.
Gray wire to turn signal wire on driver-side.
- At the vehicle driver-side headlamp, remove the connector(s) from the headlamp(s) and couple matching connector(s) with plug-in harness 3-wire male plug (two 2-wire male plugs for quad headlamps) (plug-in harness found in harness kit). Attach plug-in harness headlamp connector(s) to headlamp terminals.
- Route other end of plug-in harness along radiator bulkhead or over radiator shroud to curb-side headlamp(s). Remove headlamp connector(s) and secure connector(s) with a cable tie (found in harness kit). Attach plug-in harness headlamp connector(s) to headlamp terminals.
- On the curb-side, insert purple wire bullet from plug-in harness into vehicle turn signal black bullet connector installed in step # 1 of the previous section.
- At the driver-side headlamp(s), insert the purple wire bullet from the vehicle harness into the purple wire receptacle on the plug-in harness.
- At driver-side headlamp, connect 9 pin vehicle and plug-in harness wires with receptacles to the two headlamp relays (found in harness kit) as shown in the above diagram. Use cable ties (found in harness kit) to secure relays and prevent accidental grounding of connections.
- Place grommet around 9 pin vehicle harness and insert into firewall hole (also put a grommet in the hole in the radiator bulkhead if one was drilled). Use cable ties to secure harnesses and wires away from hot or moving engine parts.
- Unless noted in Harness Kit Selection paragraph on page 3 of these instructions, replace vehicle turn signal flasher with the flasher furnished in the harness kit.
- Lubricate terminal cavities of both grill connectors with dielectric grease. Furnish dielectric grease tube to vehicle owner for future lubrication of grill connectors.

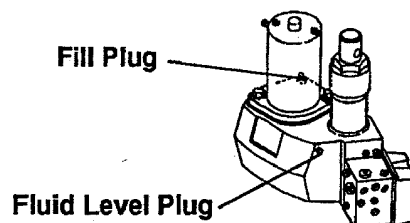
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OPERATIONAL TESTS AND ADJUSTMENTS

Mount plow assembly to vehicle. (See label on back of blade or owner's manual for mounting instructions.)

Filling Hydraulic Unit

1. Push lift channel all the way down.
2. Remove fill plug and fluid level plug.
3. Fill unit with automatic transmission fluid (ATF) through fill plug hole until fluid runs out of fluid level hole. Replace both plugs. **NOTE:** For low temperature operation you can use Mobil One or Texaco 1537 Aircraft Hydraulic Oil.



Alternate method: (Systems without fluid level plug.) Remove plow from vehicle. With stand lock pin in place, refill unit through fill plug opening. Unit is full when fluid reaches fill hole threads. Replace fill plug.

4. Turn ignition (key) switch to ON or ACCESSORY position.
5. Turn the control ON/OFF switch ON.
6. Move control lever to angle left and angle right several times to remove air from Hydra-Turn® rams. **DO NOT raise blade as this may cause pump cavitation.**
7. Refill unit with fluid following procedure in paragraph 3 of this section.
8. Move the control lever as indicated on label to control the plow. Raise and lower plow several times to remove air. Recheck fluid level per paragraph 3 of this section.

Capacity: Solenoid ISARMATIC® Mark IIIa reservoir 1-3/4 quarts
Equipped with 10" Hydra-Turn® rams 2-3/8 quarts



WARNING: Always turn the solenoid control to OFF when the mounted plow is not in use.

Blade Drop Speed Adjustment

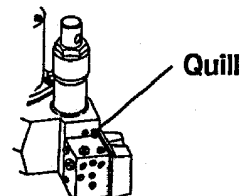
The quill on the top rear of the valve manifold (see diagram) adjusts blade drop speed.

Turn quill IN (clockwise) to slow drop speed.

Turn quill OUT (counterclockwise) to increase drop speed.

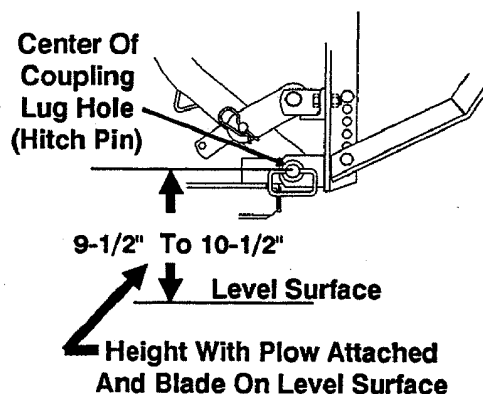
NOTE: Turning quill too far IN can slow raise time.

Coupling Lug Height Check:



COUPLING LUG HEIGHT CHECK

1. Mount plow to vehicle (see label on back of blade or owner's manual for mounting instructions).
2. Lift plow and move vehicle. Travel a minimum of 10 feet. Lower blade.
3. After step 2, with: blade on level surface,
slack in lift chain,
rear ballast located behind rear wheels,
center of coupling lug holes (hitch pin shaft) to level surface should measure 9-1/2" to 10-1/2". To obtain height,
both coupling lugs and link arm lugs may be turned over to change height 1"



NOTE: Coupling height must be 9-1/2" minimum to allow stand to be pinned to lift frame.

4. Adjust chain slack with plow mounted to vehicle and lift channel pushed all the way down. To adjust, remove chain from hook. Straighten chain and pull tight. Rehook it to lift channel. After it is hooked, it will have the correct amount of slack for blade "float". **DO NOT** remove chain from lift channel when removing plow from vehicle.

Final Hydraulic Inspection

1. Make sure all fasteners and hydraulic and electrical connections are tight.
2. Check ram packing nuts for oil leakage. If any leakage is observed, tighten the packing nut 1/4 turn after you feel the nut contact the packing. Do not overtighten – overtightening affects cylinder operation and shortens the life of the packing. A short period of normal operation will allow chevron packings to become saturated, and leakage will normally stop.

VEHICLE LIGHTING CHECK**Vehicle Lighting Check**

1. Check the operation of vehicle and plow lights.

Turn signals and parking lamps:

Parking lamps ON	Both vehicle and plow lamps should be on at the same time.
Right Turn Signal ON	Both vehicle and plow lamps should flash at the same time.
Left Turn Signal ON	Both vehicle and plow lamps should flash at the same time.

Headlamps:

Move vehicle headlamp switch to the ON position. Connecting and disconnecting the 9 or 12 pin plow plug from the grill connector should switch between vehicle and plow headlamps as follows:

9 or 12 pin plow plug DISCONNECTED	Vehicle headlamps should be on
9 or 12 pin plow plug CONNECTED	Plow headlamps should be on

Dimmer switch should dim whichever headlamps are operating. Likewise, the high beam indicator on the dash should light when either set of headlamps is on high beam.

Solenoid Control

The control indicator light should light whenever the control ON/OFF switch and the ignition (key) switches are both turned ON and the plow plugs are connected to the grill connectors.

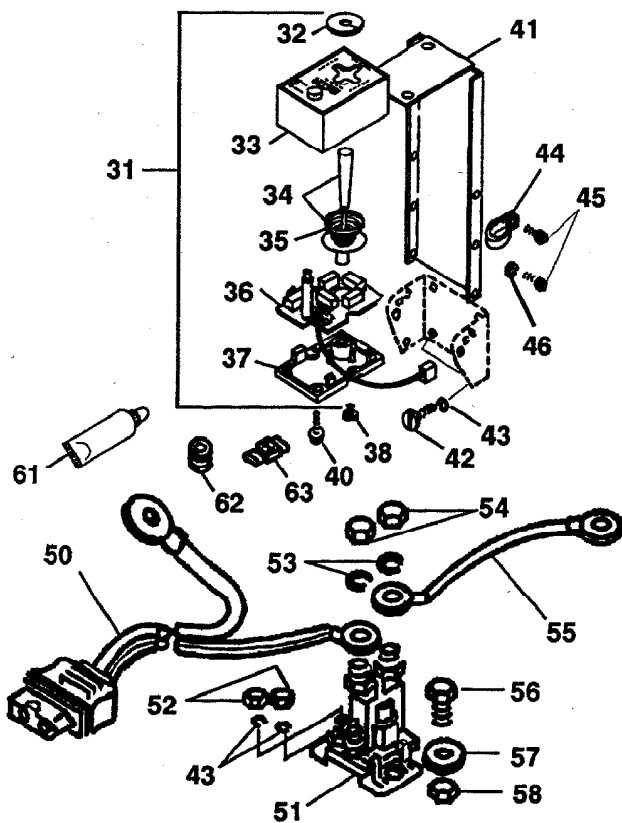
The indicator light will also light when the control and ignition (key) switches are on and the plow plugs are disconnected. If the parking lights are turned on (with plow plugs disconnected), the indicator light will go out.

2. Connect plow plug to grill connector. Raise plow and aim plow headlamps according to SAE J599 Lighting Inspection Code (See Service Bulletin SP 608) and any applicable federal, state, or local regulations.
3. Check aim of vehicle headlamps with plow removed.
4. When plow is removed from the vehicle, install plug covers on grill connectors and insert the plow plugs into the boot on the hydraulic unit.

NOTE: After 5 to 10 hours of snowplow usage, retorque all mount assembly fasteners.

Mount Assembly Box No. 62090
 Harness Kit Box No. 61545 or 61515
 Hydraulics Box No. 56365

PARTS DIAGRAM & LIST



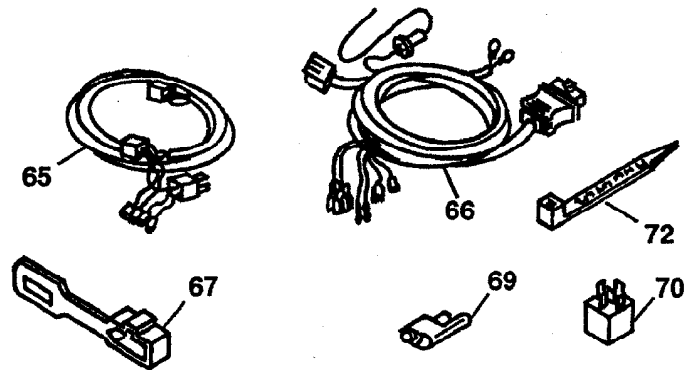
ITEM PART NO. QTY. DESCRIPTION

Found in Hydraulics Box No. 56365

31	56369	1	SOLENOID CONTROL (Style 2)
32	56283	1	SHIELD
33	49286	1	BODY W/LABEL & LENS (Style 2)
34	49287	1	LEVER, SPRING & ACTUATOR KIT (Style 2)
35	55923	1	SPRING - CONICAL
36	49283	1	PC BOARD ASSY MOLEX (Style 2)
37	56199	1	BASE
38	93153	2	#6-19X3/8 SL HXW Tfts HILO
40	93154	2	#8-18X5/8 SL HXW Tfts HILO
41	56308	1	CONTROL BRACKET
42	90388	4	#10X1 SL PN Tfts TY AB BZP
43	91242	4	#10 SP LK WASHER BPO
44	55381	1	CABLE CLAMP
45	93157	5	#8-32X3/8 SL HXW TCTS TY T BP
46	91231	4	#8 SP LK WASHER BP
50	61169	1	CABLE ASSEMBLY - VEHICLE
51	56134K	1	RELAY - SOLENOID HYDRAULIC SYS
43	91242	2	#10 SP LK WASHER BPO
52	91402	2	#10-32 HX NUT ZP
53	91202	2	5/16 SP LK WASHER ZP
54	92842	2	5/16-24 HX JAM NUT
55	22511	1	BATTERY CABLE 22" RED
56	90002	2	1/4-20X3/4 HX CS G2 ZP
57	91101	2	1/4 PLAIN WASHER TY A STD ZP
58	91331	2	1/4-20 PT HX LK NUT NYIS ZP
61	56099	1	DIELECTRIC GREASE TUBE
62	66130	2	RUBBER GROMMET
63	59114	1	SELF STRIP WIRE CONNECTOR

Parts listed above may be found in one of these assemblies.

56368	1	CARTON ASSY LOOSE PARTS U
56367	1	BOLT BAG ASSY LARGE U
56358	1	BOLT BAG SMALL U



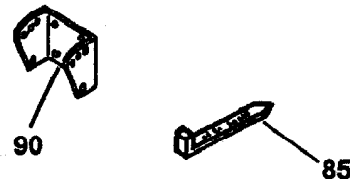
ITEM PART NO. QTY. DESCRIPTION

Found in Harness Kit Box No. 61545 OR 61515

65	61546	1	PLUG-IN HARNESS 2B/2D U -A (For Harness Kit No. 61545)
	61716	1	PLUG-IN HARNESS HB-3 & HB-4 U -A (For Harness Kit No 61515)
66	61437	1	VEHICLE HARNESS 9-PIN U
67	61548	2	PLUG COVER U
69	59224	3	BULLET RECEPTACLE CONNECTOR
70	61535	2	HEADLAMP RELAY SPDT
72	59223	8	CABLE TIE

Parts listed above may be found in the following assembly.

61547	1	PARTS BAG
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ITEM PART NO. QTY. DESCRIPTION

Found in Mount Box No. 62090

85	61536	2	CABLE TIE - LONG
90	56080	1	DASH BRACKET

Parts listed above may be found in the following assembly.

62076	1	BOLT BAG ASSEMBLY (62090)
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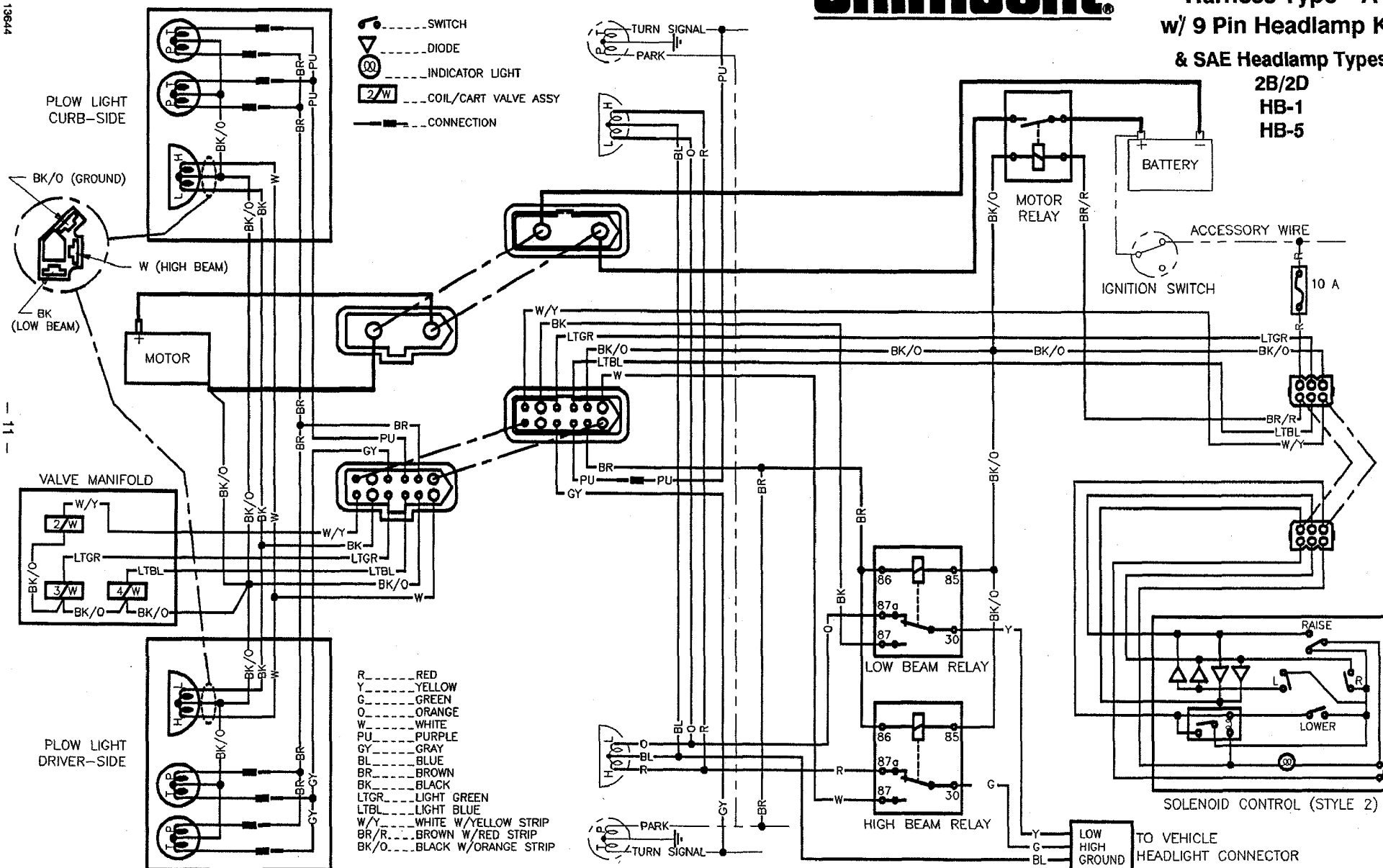
Abbreviations			
ASSY	Assembly	SL	Slotted
BP	Black Phosphate	SP	Spring
BPO	Black Phosphate & Oil	SPDT	Single Pole Double Throw
BZP	Black Zinc Plate	STD	Standard
CS	Capscrew	SYS	System
G	Grade	TCTS	Thread Cutting Tapping
HD	Heavy Duty		Screw
HX	Hex	Tfts	Thread Forming Tapping
HXW	Hex Washer		Screw
LK	Lock	TY	Type
NYIS	Nylon Insert	U	UniMount® System
PC	Printed Circuit	W/	With
PN	Pin	ZP	Zinc Plate
PT	Prevailing Torque		

Indented part numbers are included in the assembly under which they are listed. Quantities shown are included with the assembly.

UniMount[®] SYSTEM

Wiring Diagram Harness Type - A w/ 9 Pin Headlamp Kit & SAE Headlamp Types

2B/2D
HB-1
HB-5

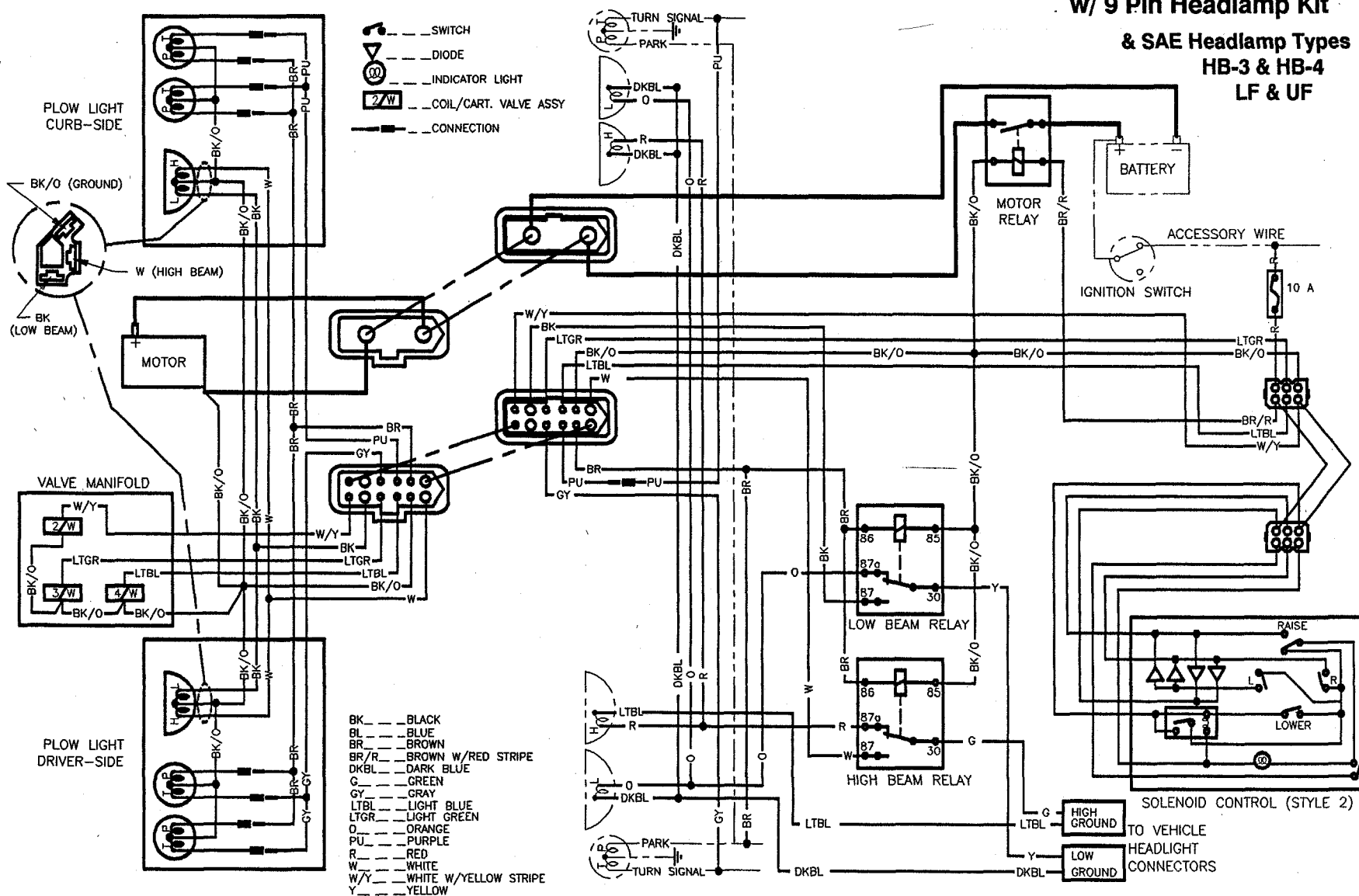


Solenoid Control — The control indicator light should light whenever the control ON/OFF switch and the ignition (key) switch are both turned ON and the plow plugs are connected to the grill connector.

The indicator light will also be on when the control and ignition (key) switches are ON and the plow plugs are disconnected. If the parking lights are turned on (with plow plugs disconnected), the indicator light will go out.

Western reserves the right under its Product Improvement Policy to change construction details and furnish equipment when so altered without reference to illustrations or specifications used herein.

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 WESTERN® ISARMA TIC® Hydra-Turn® UniMount® Roll-Action™ PRO-GUARD™



Solenoid Control — The control indicator light should light whenever the control ON/OFF switch and the ignition (key) switch are both turned ON and the plow plugs are connected to the grill connector.

The indicator light will also be on when the control and ignition (key) switches are ON and the plow plugs are disconnected. If the parking lights are turned on (with plow plugs disconnected), the indicator light will go out.