WESTERN PRODUCTS
7777 NORTH 73RD STREET
P.O. BOX 23045
MILWAUKEE, WISCONSIN 53223

A DIVISION OF DOUGLAS DYNAMICS, L.L.C.

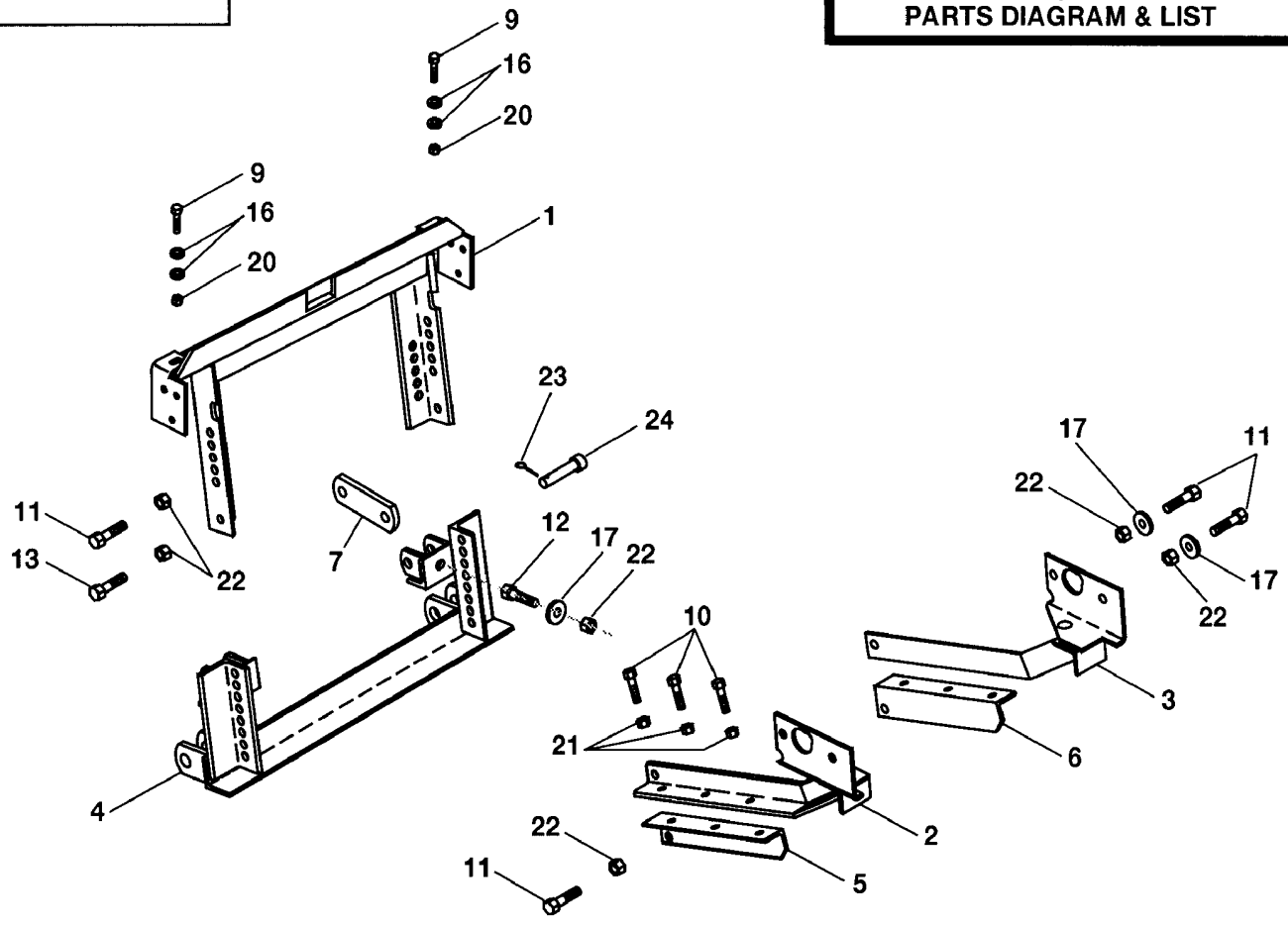
Vehicle Installation Instructions and Parts List

Model 995
Mount Assembly Box No. 61775
Dodge W100-150 '72 & Later
W200-250/300-350 1973 - 1993
Dodge Ram Charger 4 x 4 1974 - 1993
Plymouth Trail Duster 4 x 4 1974 - 1993
Hydraulics Box No. 56365
Harness Kit No. 61530 or 61565
January 29, 1997

Refer to the current selection list for minimum vehicle recommendations and ballast requirements.

NOTE: This symbol designates a change made in the instructions since the last revision date of October 5, 1992.

Mount Assembly Box No. 61775 PARTS DIAGRAM & LIST



ITEM	PART NO.	QTY.	DESCRIPTION
1	61769	1	MOUNT FRAME 995
2	61776	1	THRUST ARM DR
3	61782	1	THRUST ARM CU
4	61783	1	SPREADER
5	61794	1	BRACE DR
6	61795	1	BRACE CU
7	61412	2	LINK ARM
9	90069	2	7/16-14X2 HX CS G5 ZP
10	90099	6	1/2-13X1-1/4 HX CS G5 ZP
11	90128	8	5/8-11X1-3/4 HX CS G5 ZP
12	90129	2	5/8-11X2 HX CS G5 ZP
13	90130	2	5/8-11X2-1/4 HX CS G5 ZP
16	91104	4	7/16 PLAIN WASHER TY A STD ZP
17	91106	6	5/8 PLAIN WASHER TY A STD ZP
20	91334	2	7/16-14 PT HX LK NUT NYIS ZP
21	91335	6	1/2-13 PT HX LK NUT NYIS ZYC
22	91337	12	5/8-11 PT HX LK NUT NYIS ZYC
23	91911	2	5/32X1-1/2 COTTER PIN ZYC
24	93062	2	RIVET 3/4" X 3-1/4" G5 ZYC
NOT SHOWN			
	56080	1	DASH BRACKET
	61536	4	CABLE TIE - LONG
Parts listed above may be found in the following:			
	61789	1	BOLT BAG ASSY (61775)

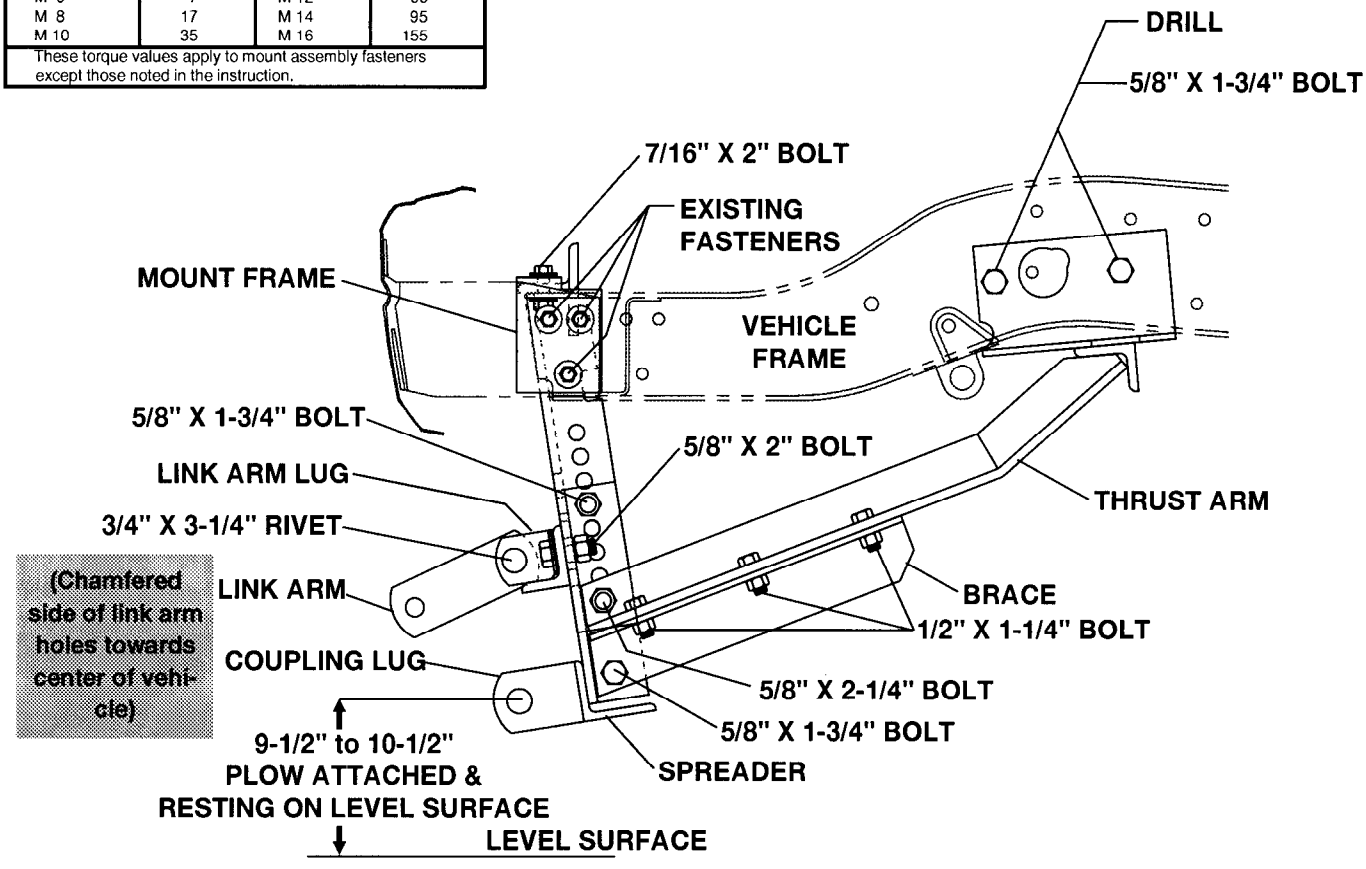
Abbreviations	
ASSY	Assembly
CS	Cap Screw
CU	Curb-Side
DR	Driver-Side
G	Grade
HX	Hex
LK	Lock
NYIS	Nylon Insert
PT	Prevailing Torque
STD	Standard
TY	Type
ZP	Zinc Plate
ZYC	Zinc Yellow Chromate

Recommended Fastener Torque Chart (Ft.-Lb.)			
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	93	150	225
3/4-10	150	250	370
7/8-9	202	378	591
1-8	300	583	893

Metric Grade 8.8 (Ft.-Lb.)			
Size	Torque	Size	Torque
M 6	7	M 12	60
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.

AS VIEWED FROM DRIVER SIDE



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

MOUNT FRAME:

1. Remove bumper from the vehicle, leaving the brackets attached to the bumper.
2. Place mount frame onto vehicle frame horns, aligning three holes in side plates to the bumper bracket mounting holes. Fasten mount frame cross angle to top hole in each vehicle frame horn with a 7/16" x 2" bolt, flat washers, and locknut. Diesel vehicles with frame extensions may require drilling. Install flat washers against mount frame slot and vehicle frame.
3. Loosen bumper brackets on bumper. Install bumper to vehicle, placing brackets to outside of mount frame side plates, and attach with existing fasteners.

SPREADER:

1. Position spreader angles against mount frame angles allowing for drop in vehicle height when weight of plow is added. Final coupling lug hole center (or center of hitch pin shaft) to level surface should be 9-1/2" to 10-1/2" with plow attached and resting on a level surface. (See Coupling Lug Height Check procedure near end of these instructions.)
2. Attach top hole in each spreader angle to mount frame angle using a 5/8" x 1-3/4" bolt and locknut.
3. Fasten spreader to front of each mount frame angle through hole located between each pair of link arm lugs with a 5/8" x 2" bolt, flat washer, and locknut. Install flat washer against slot in spreader angle.

THRUST ARM - CU & DR:

1. Position thrust arms onto outside of vehicle frame with angles to the inside of the springs. Fasten each thrust arm angle to outside of spreader with a 5/8" x 2-1/4" bolt through thrust arm, spreader, and lower hole in mount frame, and locknut.
2. Hold thrust arms tight to bottom and side of vehicle frame and drill two 5/8" holes in each side using thrust arm plates as templates.

> **CAUTION**: Before drilling, check for clearance to avoid damage to brake or fuel lines.

Secure each thrust arm with two 5/8" x 1-3/4" bolts, flat washers, and locknuts. Install flat washers against vehicle frame.

3. If spreader height allows, attach a brace to the underside of each thrust arm with three 1/2" x 1-1/4" bolts and locknuts and to each side of spreader with one 5/8" x 1-3/4" bolt and locknut.

TIGHTEN ALL BOLTS TO CORRESPONDING TORQUE CHART VALUES.

LINK ARMS:

Fasten a link arm, chamfered side of link arm hole towards center of vehicle, between each upper pair of spreader lugs with one 3/4" x 3-1/4" grade 5 rivet and cotter pin per side.

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

HARNESS KIT SELECTION:

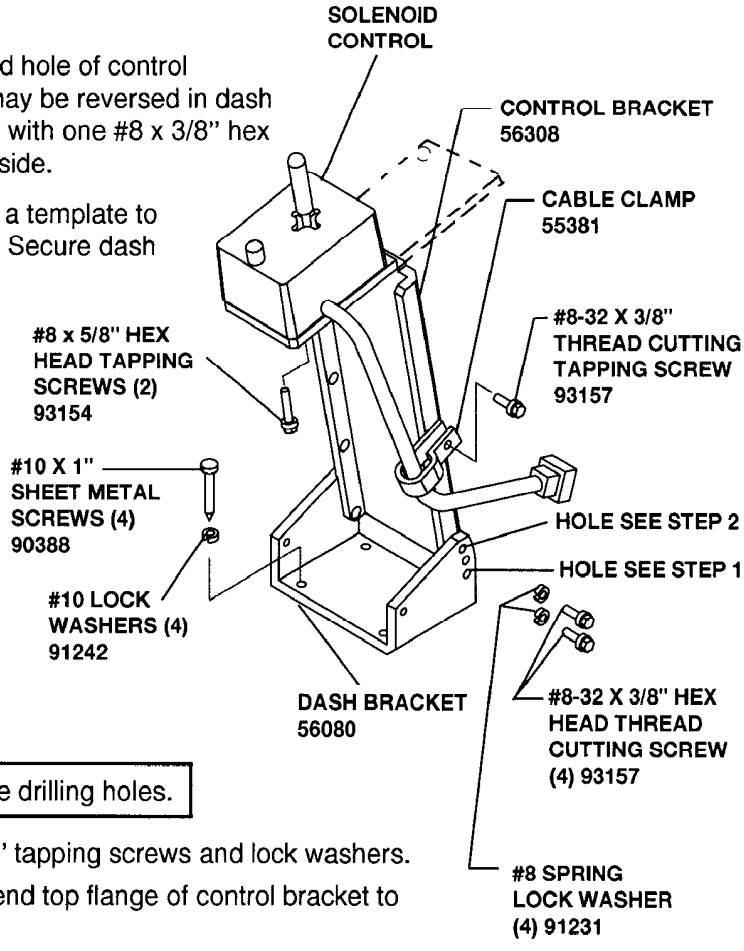
For DUAL Type 2B Headlamps - Use Box No. 61540 Headlamp Kit 9-Pin and 61530 Harness Kit 2B/2D 9-Pin -C.

For QUAD Type 1A & 2A - Use Box No. 61540 Headlamp Kit 9-Pin and 61565 Harness Kit 1A & 2A 9-Pin -A.

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

Solenoid Control
INSTALLATION INSTRUCTIONS

1. Align dash bracket hole shown in diagram to end hole of control bracket. NOTE: Top flange of control bracket may be reversed in dash bracket from position shown in diagram. Attach with one #8 x 3/8" hex head thread cutting screw and lock washer per side.
2. Use top holes in dash bracket (see diagram) as a template to drill a 9/64" hole in each side of control bracket. Secure dash bracket to control bracket with a second screw and lock washer in each side.
3. Secure solenoid control to control bracket with two #8 x 5/8" hex head tapping screws.
4. Move seat forward and 4 wheel drive lever toward seat. Locate control and bracket assembly on floor tunnel so that it does not interfere with the operation of vehicle controls. Mark this location.
5. Remove control bracket from dash bracket.
6. Place dash bracket in marked location. Use dash bracket as a template to drill four 1/8" holes in tunnel.



> **CAUTION**: Check for clearance before drilling holes.

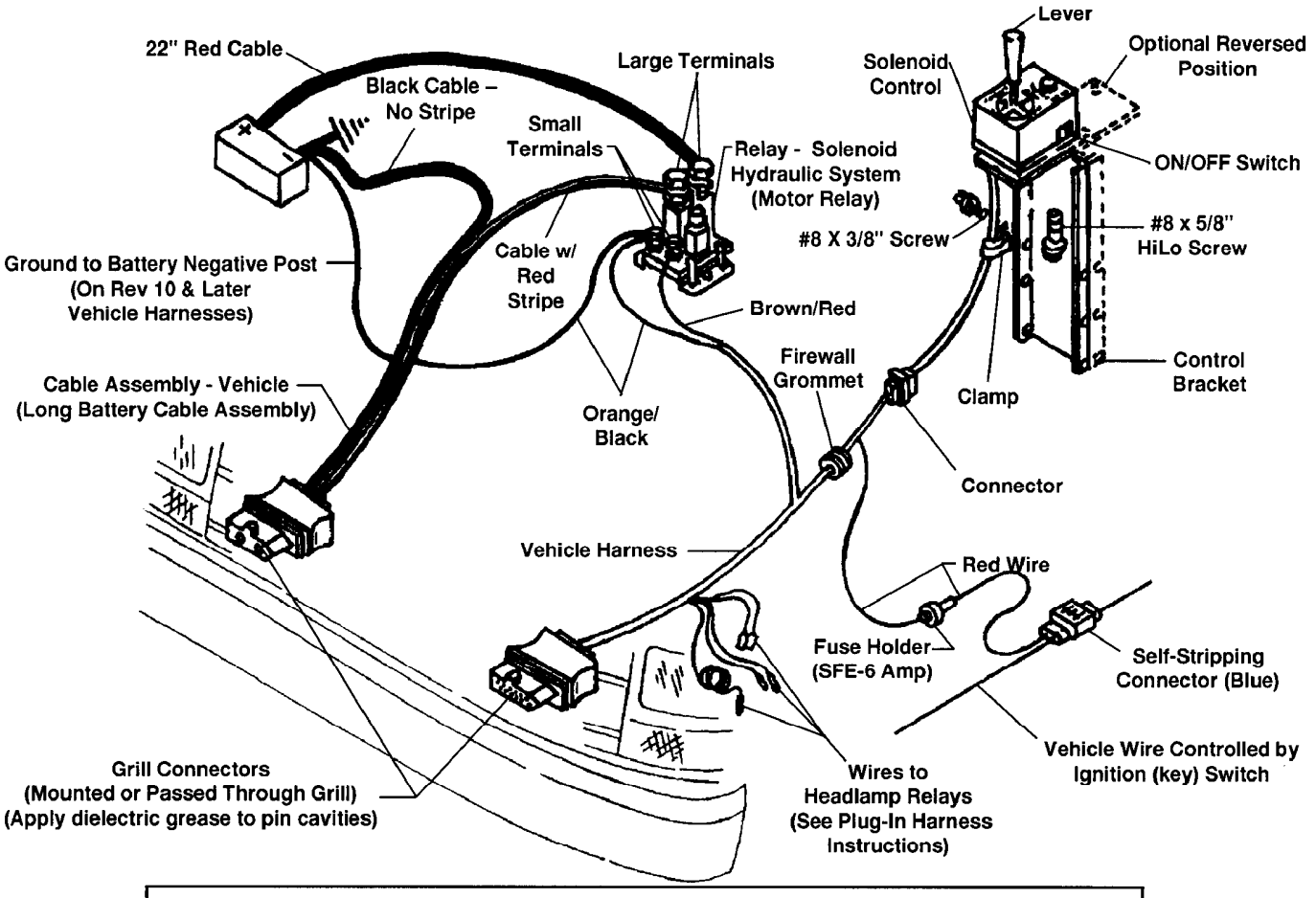
Secure dash bracket to tunnel with four #10 x 1" tapping screws and lock washers.

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 one #8 x 3/8" hex head thread cutting screw.

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

VEHICLE HARNESS AND MOTOR RELAY

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



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

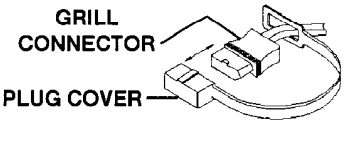
1. Identify wires for the parking lamp on the driver-side and the turn signals on both sides of the vehicle. Attach a black self-stripping bullet receptacle connector (found in harness kit) to each of these three wires.
2. Remove NEGATIVE battery cable from battery.

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 lock nuts.
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 battery POSITIVE terminal with existing terminal fastener.
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 vehicle harness (found in harness kit). Place plug covers over molds on harnesses.



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 connector. Secure with long cable ties (found in mount box).

7. Route battery cable through the grill at the selected location and through or around the radiator bulkhead to motor relay taking care to avoiding 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 the battery cable without a stripe directly to the NEGATIVE battery terminal (carefully separate the two cables as needed to reach battery). DO NOT attach cable to battery at this time.

10. Find a location in grill on driver-side for mounting the vehicle harness (similar position to battery cable mount). See Steps 6 & 7 above for how to mount. Route 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 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 a convenient location away from hot or moving engine parts.

    IMPORTANT: All vehicles with DRL's — insert fuse holder on pink wire of DRL Adapter Kit (P.N. 61584) through firewall first. Route end of pink wire with receptacles to area of driver-side headlamp.

    Feed vehicle harness fuse holder through hole and then feed the plastic connector and harness through to the cab. Disassembly of the fuse holder may make it easier to pass through 5/8" hole.

12. Route brown/red and orange/black (early revision harnesses have brown/red and black/orange wires) wire loom to motor relay. Early revision harnesses must be modified if CabCommand hand-held control is being installed. (See instructions furnished with CabCommand control.)

    Attach the brown/red and orange/black (early revisions black/orange) wires small ring terminals to separate small terminals on motor relay using a lock washer and #10-32 nut for each connection.

13. Route the orange/black wire with 3/8" ring terminal to NEGATIVE battery terminal. DO NOT attach wire to battery at this time.

14. Inside the cab, route vehicle harness connector to solenoid or CabCommand control and couple the connectors together.

15. Reconnect vehicle ground cable to NEGATIVE battery terminal. Attach the hydraulic unit black battery cable and orange/black wire terminal to the negative clamp bolt.

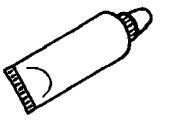
16. Locate an accessory wire capable of carrying 7 amps in addition to existing circuit loads and controlled by the ignition (key) switch. Route the vehicle harness SFE-6* fuse holder red wire to this location and trim off any excess length of wire (keep fuse holder in system). If used, DRL pink wire requires .4 amps.

    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 closed connector), and the accessory wire in the outer groove. Close connector over the wires using a pliers and snap the locking tab in place. Repeat with DRL pink wire.

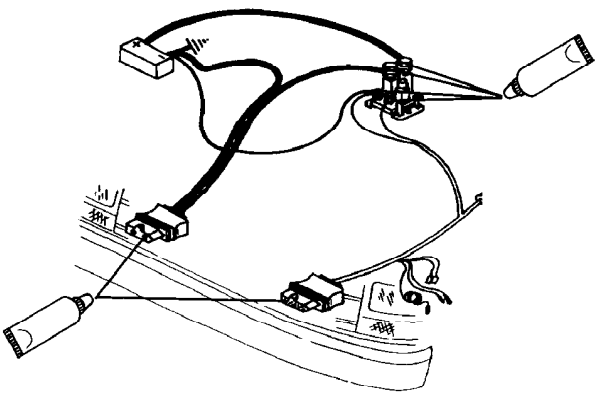
*Early style harnesses have a 10-amp fuse which must be replaced with SFE-6 fuse for CabCommand control.

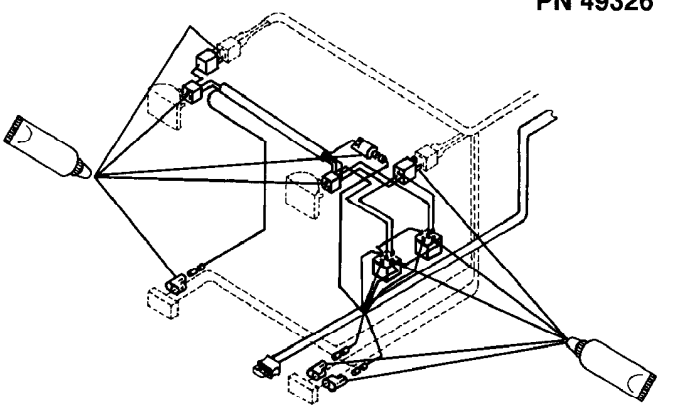
Continued on next page.

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.

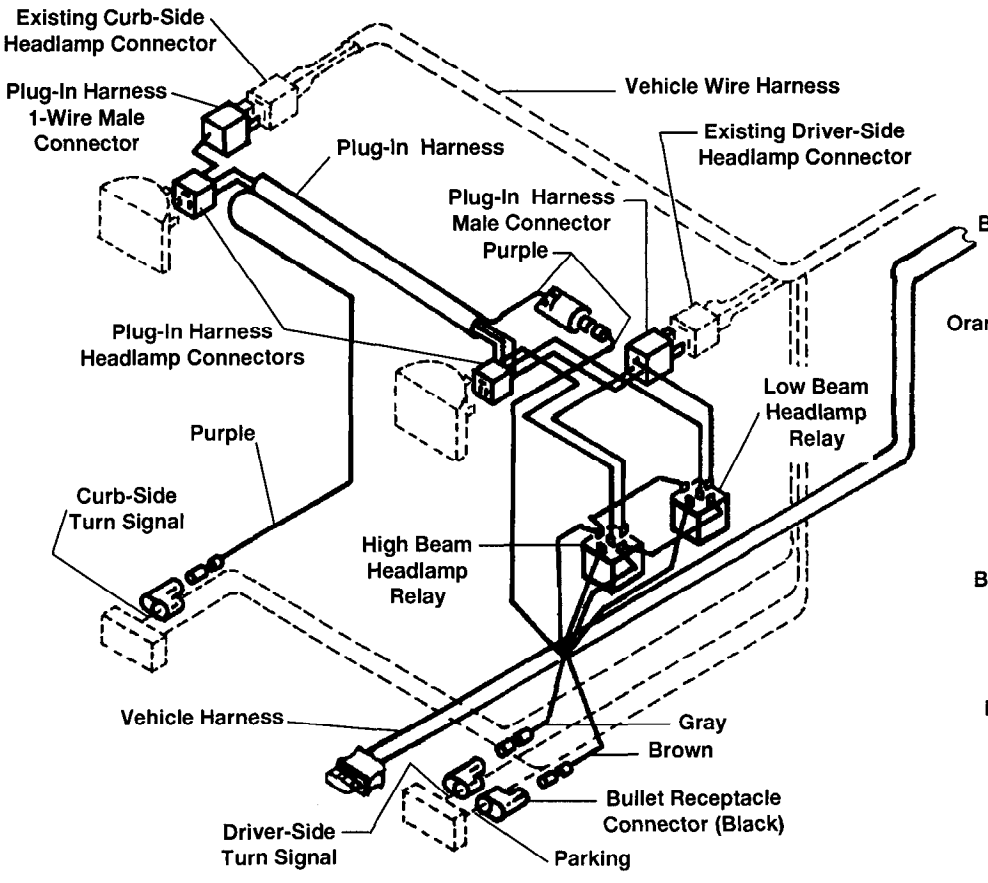


DIELECTRIC GREASE - PN 56099 or PN 49326

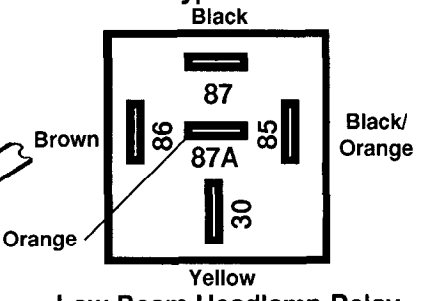




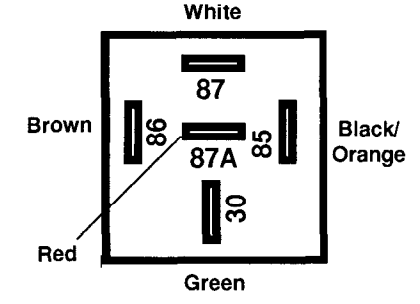
VEHICLE HEADLAMP WIRING DIAGRAM — Type – C
(Dual Headlamps Shown. For Quad Headlamps, see next page.)



HEADLAMP RELAY WIRING DIAGRAM Type – C



Low Beam Headlamp Relay



High Beam Headlamp Relay

DUAL VEHICLE HEADLAMP PLUG-IN HARNESS & HEADLAMP RELAYS

REMINDER: Lubricate all receptacles and blades with dielectric grease before assembling.

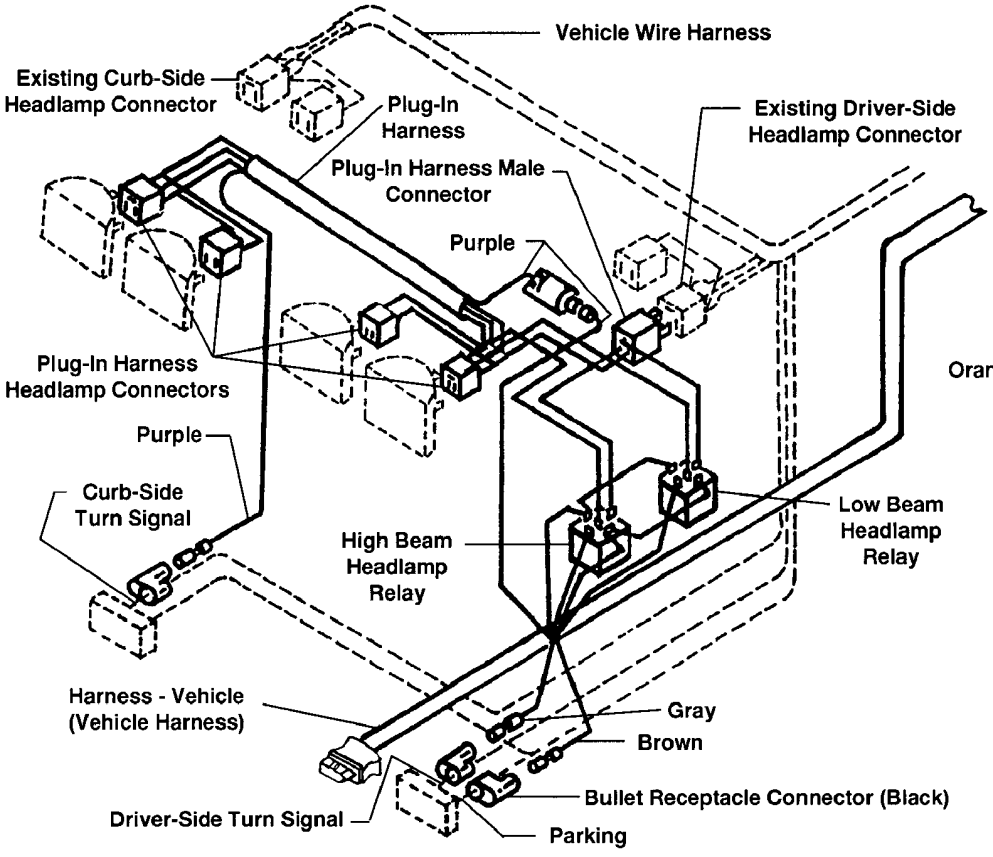
1. In the engine compartment behind the driver-side headlamp, insert wire bullets from vehicle harness into black bullet connectors (installed in step one of previous section) as follows:

   Brown wire to parking lamp wire on driver-side.
   Gray wire to left turn signal wire on driver-side.

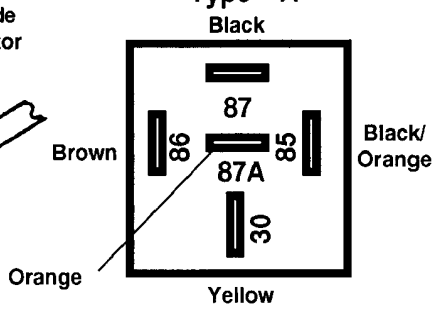
2. At the vehicle driver-side headlamp, remove the connector from the headlamp and couple with plug-in harness 3-wire male plug (plug-in harness found in harness kit). Attach plug-in harness headlamp connector to headlamp terminals.
3. Route other end of plug-in harness along radiator bulkhead or over radiator shroud to curb-side headlamp. Remove headlamp connector and couple connector with plug-in harness 1-wire male plug. Attach plug-in harness headlamp connector to headlamp terminals.
4. On the curb-side, insert purple wire bullet from plug-in harness into vehicle turn signal black bullet connector installed in step one of the previous section.
5. At the driver-side headlamp, insert the purple wire bullet from the vehicle harness into the purple wire receptacle on the plug-in harness.
6. At driver-side headlamp, connect vehicle and plug-in harness wires with receptacles to the two headlamp relays (found in harness kit) as shown in the above diagram. (If vehicle has DRL's, replace brown wires with pink wire from DRL kit. Brown wires from vehicle harness are not used in DRL installations.)
7. Place grommet around vehicle harness and insert into firewall hole (also put a grommet in the radiator bulkhead hole if one was drilled). Use cable ties (found in harness kit) to secure harnesses, relays and wires away from sharp edges, and hot or moving engine parts and to prevent accidental grounding of connections.
8. Replace vehicle turn signal flasher with flasher furnished in harness kit.
9. Lubricate terminal cavities of both grill connectors with dielectric grease. Give the dielectric grease tube to vehicle owner for future lubrication of grill connectors.

Continued on page 8.

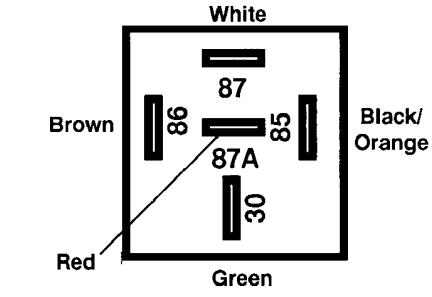
HEADLAMP WIRING DIAGRAM
(Quad Headlamps Shown. For Dual Headlamps, see previous page)



HEADLAMP RELAY WIRING DIAGRAM
Type – A



Low Beam Headlamp Relay



High Beam Headlamp Relay

QUAD VEHICLE HEADLAMP PLUG-IN HARNESS & HEADLAMP RELAYS

REMINDER: Lubricate all receptacles and blades with dielectric grease before assembling.

1. In the engine compartment behind the driver-side headlamp, insert wire bullets from vehicle harness into black bullet connectors (installed in step one of previous section) as follows:

   Brown wire to parking lamp wire on driver-side.
   Gray wire to left turn signal wire on driver-side.

2. At the vehicle driver-side headlamp, remove the connectors from the headlamps and couple the 3-wire connector with the plug-in harness 3-wire male plug (plug-in harness found in harness kit). Attach plug-in harness headlamp connectors to headlamp terminals.
3. Route other end of plug-in harness along radiator bulkhead or over radiator shroud to curb-side headlamps. Remove headlamp connectors and secure connectors with a cable tie (found in harness kit). Attach plug-in harness headlamp connectors to headlamp terminals.
4. On the curb-side, insert purple wire bullet from plug-in harness into vehicle turn signal black bullet connector installed in step one of the previous section.
5. At the driver-side headlamp, insert the purple wire bullet from the vehicle harness into the purple wire receptacle on the plug-in harness.
6. At the driver-side headlamp, connect vehicle and plug-in harness wires with receptacles to the two headlamp relays (found in harness kit) as shown in the above diagram.
7. Place grommet around vehicle harness and insert into firewall hole (also put a grommet in the radiator bulkhead hole if one was drilled). Use cable ties (found in harness kit) to secure harnesses, relays and wires away from sharp edges, and hot or moving engine parts and to prevent accidental grounding of connections.
8. Replace the vehicle turn signal flasher with the flasher furnished in the harness kit.
9. Lubricate terminal cavities of both grill connectors with dielectric grease. Give the dielectric grease tube to vehicle owner for future lubrication of grill connectors.

Continued on next page.

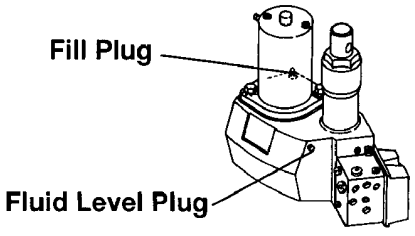
OPERATIONAL TESTS AND ADJUSTMENTS

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 through fill plug hole until fluid runs out of fluid level plug hole. Replace both plugs.

   Use: automatic transmission fluid (ATF) Dexron III to -10° F (-23° C), WESTERN® High Performance Fluid to -25° F (-32° C), Texaco 1537 Aircraft Hydraulic Oil for temperatures below -25° F (-32° C).



4. Turn ignition (key) switch to the ON or ACCESSORY position.
5. Turn the control ON/OFF switch to the ON position.
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 the procedure in step three 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 according to step three of this section.

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

WARNING: To prevent accidental movement of plow, always turn the solenoid control to the OFF position when not using the mounted plow.

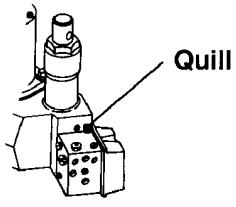
Blade Drop Speed Adjustment

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

Turn quill IN (clockwise) to decrease drop speed.

Turn quill OUT (counterclockwise) to increase drop speed.

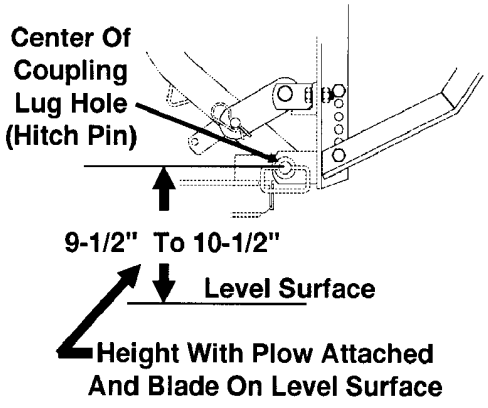
NOTE: Turning quill too far in can slow raise time.



COUPLING LUG HEIGHT CHECK

1. Mount plow to vehicle (see label on back of blade or owner's manual for mounting instructions). See selection list for recommended ballast requirements.
2. Lift plow and move vehicle 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,

   the center of the coupling lug holes (hitch pin shaft) to level surface should measure 9-1/2" to 10-1/2". To obtain height, adjust spreader position.



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 the 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 over tighten — over tightening 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

1. Check the operation of vehicle and plow lights with plow mounted to vehicle and both plow plugs connected.

Turn signals and parking lamps

Parking lamps ON	Both vehicle and plow parking lamps should be on at the same time.
Right turn signal ON	Both vehicle and plow right turn signal lamps should flash at the same time.
Left turn signal ON	Both vehicle and plow left turn signal lamps should flash at the same time.

Headlamps

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

9-pin plow plug DISCONNECTED	Vehicle headlamps should be on, plow headlamps off.
9-pin plow plug CONNECTED	Plow headlamps should be on, vehicle headlamps off.

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

Solenoid Control or CabCommand Control

9-pin vehicle harness revision 10 and later or
9-pin vehicle harnesses – earlier revisions modified for CabCommand Control:

The control indicator light should light whenever the control ON/OFF switch and the ignition (key) switches are both turned ON. The plow plugs do not need to be connected to the grill connectors.

Solenoid Control used with earlier revision harnesses

9-Pin revision 7, 8, or 9 vehicle harnesses:

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.

9-pin vehicle harnesses – all earlier revisions:

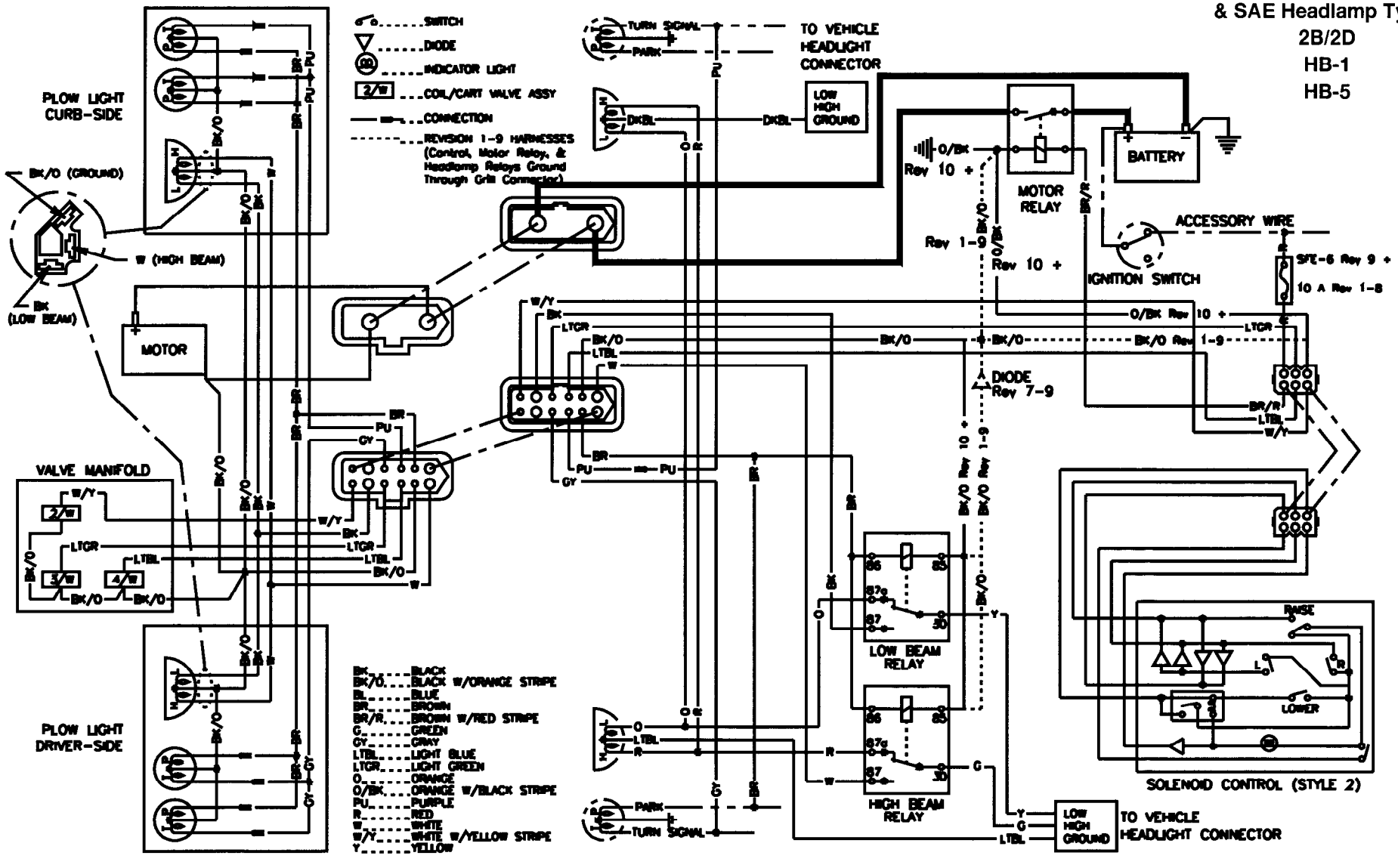
The indicator light will also light when the control and ignition (key) switches are on the plow plugs are disconnected. If the parking lights are turned on (with plug plugs disconnected), the indicator light will go out.

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 using the snowplow for 5-10 hours, retorque all mount assembly fasteners.

Solenoid Control — 9-Pin Vehicle Harness Revision 10 & later - The control indicator light will light whenever the control ON/OFF switch and the ignition (key) switch are both turned ON. The plow plugs and grill connectors do not need to be connected for the control light to be on.

Wiring Diagram
Harness Type – A
w/ 9 Pin Headlamp Kit
& SAE Headlamp Types
2B/2D
HB-1
HB-5



Vehicle harnesses – 9 pin, P.N. 61437 rev. 7, 8, or 9 – The indicator light on the solenoid control will only light when the plow is attached to the vehicle and the ignition switch and control on/off switch are both turned on.

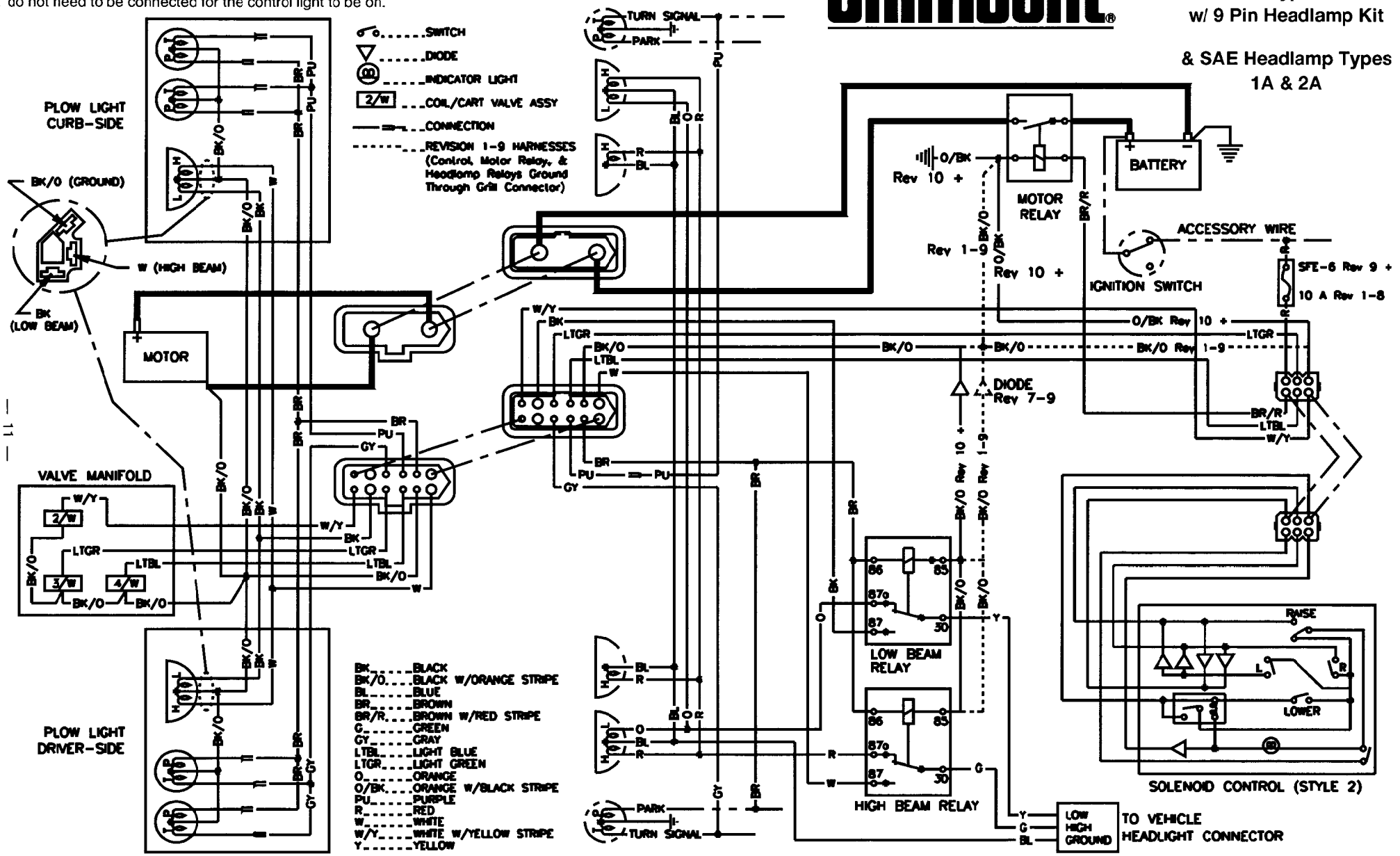
Vehicle harnesses with revision numbers prior to listed revisions at right – The indicator light will also be on when the control and ignition (key) switches are ON and the plow plugs are disconnected. If the parking lights are turned on (with plow plugs disconnected), the indicator light will go out.

Solenoid Control — 9-Pin Vehicle Harness Revision 10 & later - The control indicator light will light whenever the control ON/OFF switch and the ignition (key) switch are both turned ON. The plow plugs and grill connectors do not need to be connected for the control light to be on.

UniMount® SYSTEM

Wiring Diagram
Harness Type – A
w/ 9 Pin Headlamp Kit

& SAE Headlamp Types
1A & 2A



Vehicle harnesses – 9 pin, P.N. 61437 rev. 7, 8, or 9 – The indicator light on the solenoid control will only light when the plow is attached to the vehicle and the ignition switch and control on/off switch are both turned on.

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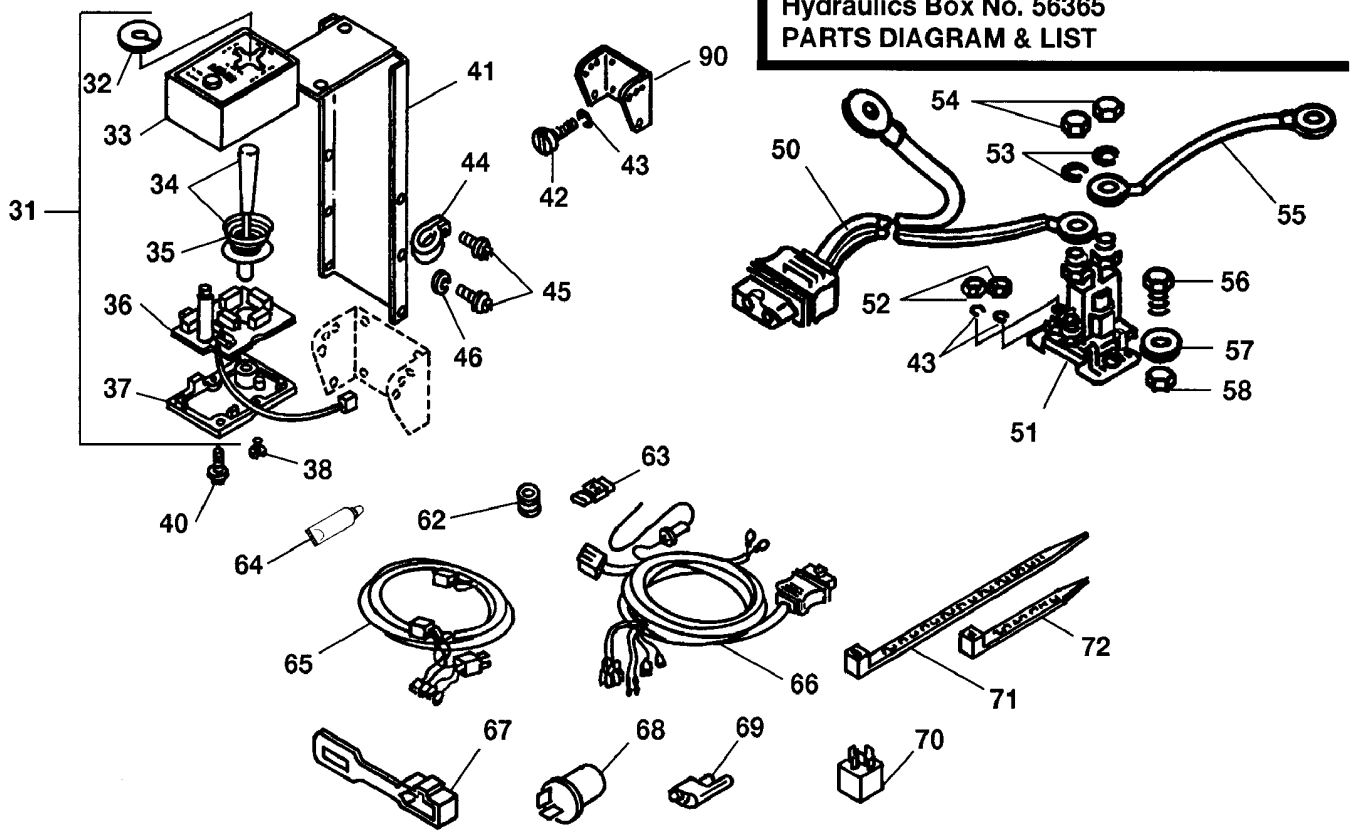
Mount Assembly Box No. 61775
Harness Kit Box No. 61530 or 61565
Hydraulics Box No. 56365
PARTS DIAGRAM & LIST



ITEM	PART NO.	QTY.	DESCRIPTION
31	56369	1	S OLENOID 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
62	66130	2	RUBBER GROMMET
63	59114	1	SELF STRIP WIRE CONNECTOR

ITEM	PART NO.	QTY.	DESCRIPTION
64	56099	1	DIELECTRIC GREASE TUBE (0.25 ounce)
	49326	1	WESTERN DIELECTRIC GREASE TUBE (2 ounce)
65	61731	1	PLUG-IN HARNESS 2B/2D -C (For Harness Kit No. 61530)
	61566	1	PLUG-IN HARNESS 1A & 2A -A (For Harness Kit 61565)
66	61437	1	VEHICLE HARNESS 9-PIN
67	61548	2	PLUG COVER
68	60109	1	FLASHER HD
69	59224	3	BULLET RECEPTACLE CONNECTOR
70	61535	2	RELAY SPDT
71	61536	4	CABLE TIE - LONG
72	59223	8	CABLE TIE
90	56080	1	DASH BRACKET

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

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	Cap Screw	SYS	System
G	Grade	TCTS	Thread Cutting Tapping Screw
HD	Heavy Duty		
HX	Hex	TFTS	Thread Forming Tapping Screw
HXW	Hex Washer		
LK	Lock	TY	Type
NYIS	Nylon Insert	W/	With
PC	Printed Circuit	ZP	Zinc Plate
PN	Pan		
PT	Prevailing Torque		