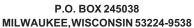


WESTERN PRODUCTS P.O. BOX 245038





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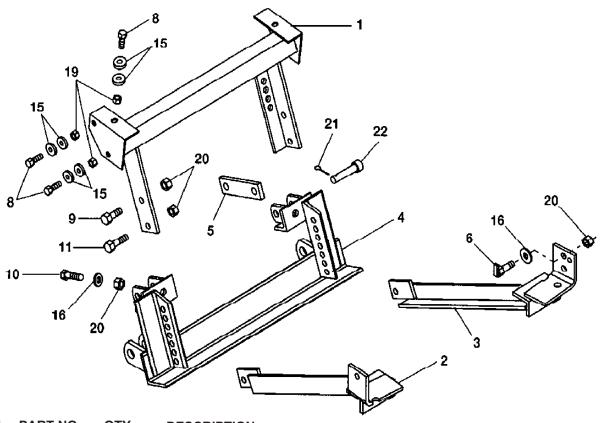
Refer to the current selection list for minimum vehicle recommendations and ballast requirements.

Vehicle Installation Instructions and Parts List

Model 1515

Mount Assembly Box No. 61770 Chev/GMC Light Truck 1981-1987 4 x 4 Blazer/Jimmy/Suburban 1981-1991 4 x 4 Hydraulics Box No. 56365 Harness Kit No. 61545 or 61565 or 61580 October 31, 2003

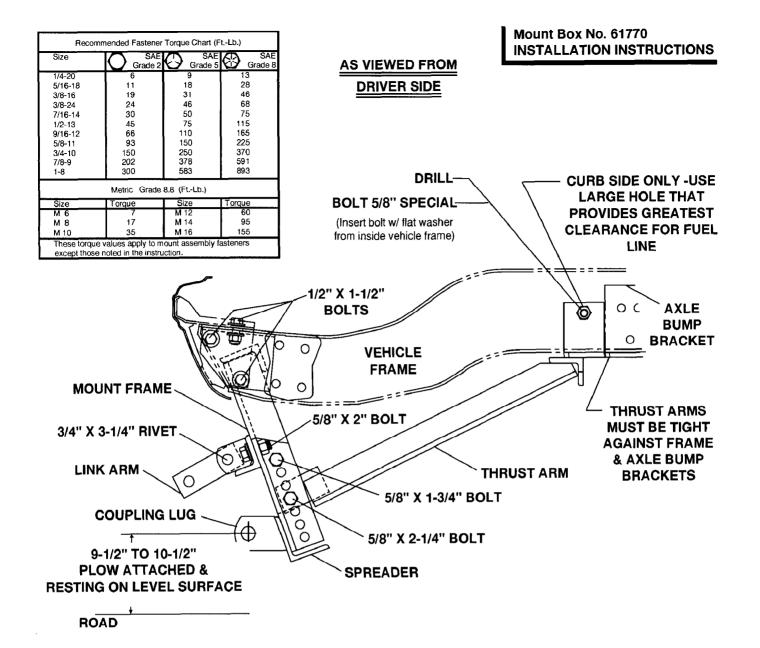
Mount Assembly Box No. 61770 **PARTS DIAGRAM & LIST**



ITEM	PART NO.	QTY.	DESCRIPTION	
1	61761	1	MOUNT FRAME 1515	
2	61744	1	THRUST ARM DR	
3	61750	1	THRUST ARM CU	
4	61753	1	SPREADER	Abbreviations
5	61432	2	LINK ARM	ASSY Assembly
6	62059	2	BOLT 5/8" SPECIAL	CS Cap Screw
8	90100	6	1/2-13X1-1/2 HX CS G5 ZYC	CU Curb-Side DR Driver-Side
9	90128	2	5/8-11X1-3/4 HX CS G5 ZP	G Grade
10	90129	2	5/8-11X2 HX CS G5 ZP	HX Hex LK Lock
11	90130	2	5/8-11 X2-1/4 HX CS G5 ZP	NYIS Nylon Insert
15	911051	2	1/2 PLAIN WASHER TY A STD ZYC	PT Prevailing Torque
16	91139	4	5/8 PLAIN WASHER TY A SAE ZP	SAE Society of Automotive Engineers
19	91335	6	1/2-13 PT HX LK NUT NYIS ZYC	STD Standard
20	91337	8	5/8-11 PT LK NUT NYIS ZYC	TY Type
21	91911	2	5/32X1-1/2 COTTER PIN ZYC	ZP Zinc Plate ZYC Zinc Yellow Chromate
22	93062	2	RIVET 3/4" X 3-1/4" G5 ZYC	210 Zinc renow chromate
	PARTS NOT SHOWN			
	22381	1	BATTERY ADAPTERS, SIDE TERMINAL	
	61536	4	CABLE TIE - LONG	
	56080	1	DASH BRACKET	

Parts listed above may be found in the following assembly

BOLT BAG ASSY (61770)



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 when drilling.

MOUNT FRAME:

IMPORTANT: Vehicles equipped with an air dam must have the air dam removed. Retain the air dam and reinstall whenever the mount assembly is removed from the vehicle.

- 1. Disconnect park/turn lights from the bumper and remove bumper from the vehicle. Remove bumper brackets from vehicle frame horns.
- 2. Slide mount frame inside vehicle frame horns and align holes in side bars to the bumper bracket holes. Reinstall bumper brackets using three 1/2" x 1-1/2" bolts, flat washers to brackets and side bars and locknuts on each side.

SPREADER:

- 1. Assemble spreader to mount frame.
 - During spreader 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.
 - Secure spreader to upper holes in sides of mount frame angles with one 5/8" x 1-3/4" bolt and locknut on each side.
- 2. Fasten spreader to front of mount frame angles through hole located between upper pairs of lugs with one 5/8" x 2" bolt, flat washer to slot and locknut on each side.

THRUST ARM - CU & DR:

- 1. Position flat bar of each thrust arm to inside of mount frame hanger angle and other end tight to bottom and outside of vehicle frame and tight against axle bump bracket. Clamp each thrust arm to frame.
- 2. Attach thrust arm flat bar to spreader and bottom hole in mount frame hanger angle with one 5/8" x 2-1/4" bolt and locknut on each side.
- 3. Tighten top bolts in vehicle frame horn to specified torque shown in torque chart.
- 4. Tighten thrust arm, spreader and mount frame bolts to specified torque shown in torque chart.
- 5. **CAUTION:** Before drilling, check for clearance to avoid damage to brake or fuel lines. Drill a 5/8" hole through each frame rail using attaching bars as templates. On curb side, drill top or bottom hole depending on which provides the greatest amount of clearance to fuel line.
- 6. Fasten each thrust arm to vehicle frame. From inside vehicle frame, insert a 5/8" special bolt with a flat washer through the frame and thrust arm. Secure with a locknut against the thrust arm.

REPLACE VEHICLE BUMPER

Replace bumper using existing fasteners.

TIGHTEN ALL BOLTS TO CORRESPONDING TORQUE CHART VALUES.

LINK ARM:

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

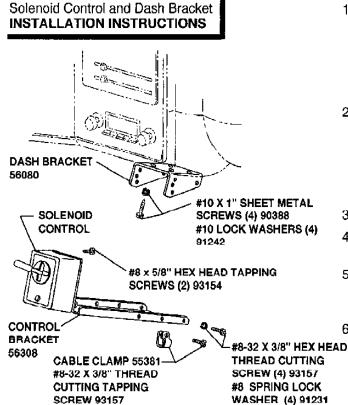
NOTE: After 5 to 10 hours of snowplow usage, retorque all mount assembly fasteners.

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

HARNESS KIT SELECTION

For DUAL Type 2B Headlamps - Use Box No. 61540 Headlamp Kit 9-Pin and 61545 Harness Kit 2B/2D 9-Pin -A.

For QUAD Type 1A & 2A - Use Box No 61540 Headlamp Kit 9-Pin and 61565 Harness Kit 1A & 2A 9-Pin -A. For QUAD Type LF & UF - Use Box No 61540 Headlamp Kit 9-Pin and 61580 Harness Kit LF & UF 9-Pin -A.



- Secure solenoid control to control bracket using two #8 x 5/8" hex head tapping screws, and control bracket to dash bracket using four #8 x 3/8" hex head thread cutting screws. Secure control cable to control bracket with cable clamp using one #8 x 3/8" hex head thread cutting screw.
- Locate assembly to the dash as shown, below and to the right of the radio, or wherever is most convenient. The dash bracket should fit fairly flat against the bottom surface of the dash. Verify that control will clear vehicle components in all positions. Check for clearance before drilling holes.
- 3. Mark this location.
- 4. Remove the dash bracket. Place dash bracket in selected location and mark four holes.
- Drill 1/8" holes in marked locations. Secure dash bracket using four #10 x 1" sheet metal screws and lock washers.
- Place control into dash bracket and fasten in desired position reusing fasteners from paragraph 1 above.

NOTE: Bend top flange of control bracket to desired position.

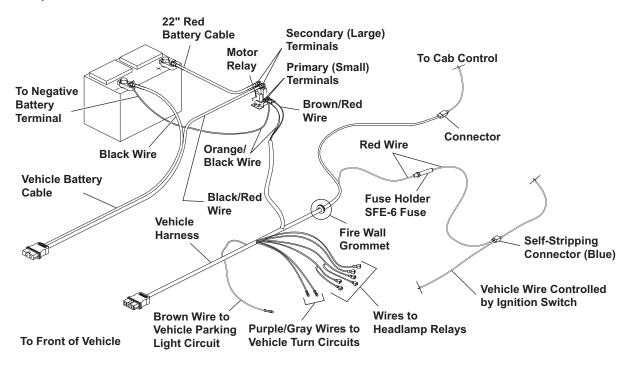
Form No. 13596 — 3 —



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

9-Pin Vehicle Harness And Motor Relay

HARNESS, SOLENOID CONTROL & MOTOR RELAY INSTALLATION DIAGRAM



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.

- 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.
 OPTION: Identify wires for parking lamps and both turn signals in the main harness behind the driver-side
 headlamp. Attach a black self-stripping bullet receptacle connector 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.

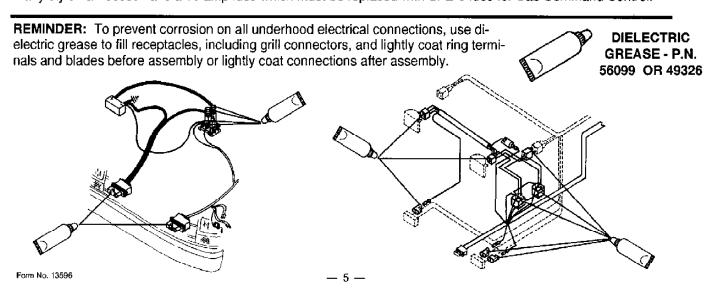
Using the motor relay mounting plate as a template, drill two 9/32" holes, and mount motor relay to holes using 1/4" x 3/4" bolts, flat washers, and lock nuts.

- 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 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 vehicle harness (found in harness kit). Place plug covers over molds on harnesses. Except as noted, parts to be installed are found in the hydraulics box.

GRILL CONNECTOR
PLUG COVER

- 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.
- Route cable without stripe directly to the NEGATIVE battery terminal (carefully 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 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 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 the battery negative post. DO NOT attach wire to battery at this time.
- Inside the cab, route vehicle harness connector to solenoid or CabCommand control and couple the connectors together.
- 15. 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.
- 16. 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 pliers and snap the locking tab in place. Repeat with DRL pink wire.

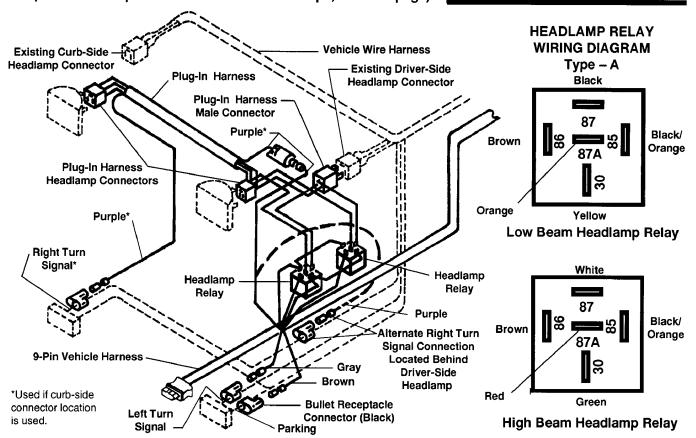
*Early style harnesses have a 10 amp fuse which must be replaced with SFE-6 fuse for Cab Command Control.



HEADLAMP WIRING DIAGRAM

(Dual Headlamps Shown. For Quad Headlamps, see next page)

PLUG-IN HARNESS & HEADLAMP RELAY INSTALLATION



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 9-pin 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.

If optional bullet connector location is used — vehicle harness purple wire to right turn signal wire on driver-side.

- 2. At the vehicle driver-side headlamp, remove the connector from the headlamp and couple matching connector 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 secure connector with a cable tie (found in harness kit). Attach plug-in harness headlamp connector to headlamp terminals.

If optional right turn signal connector location is used, skip steps 4 & 5. Purple wire in plug-in harness is not used.

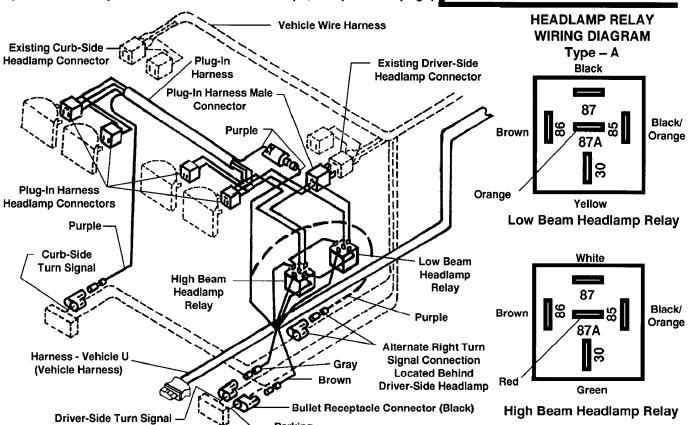
- 4. On the curb-side, insert purple wire bullet from plug-in harness into vehicle turn signal black bullet connector installed in step one of the previous section.
- At the driver-side headlamp, insert the purple wire bullet from the 9-pin vehicle harness into the purple wire receptacle on the plug-in harness.
- 6. 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.
- 7. Place grommet around 9-pin 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.
- Lubricate terminal cavities of both grill connectors with dielectric grease. Give the dielectric grease tube to vehicle owner for future lubrication of grill connectors.

Form No. 13596 — 6 —

HEADLAMP WIRING DIAGRAM

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

PLUG-IN HARNESS & HEADLAMP RELAY INSTALLATION



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 9-pin 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.

If optional bullet connector location is used — vehicle harness purple wire to right turn signal wire on driver-side.

- 2. Remove park/turn lamp housing to access headlamp connectors on quad composite type headlamps. At the vehicle driver-side headlamp, remove the connectors from the headlamps and couple matching connectors with plug-in harness two 2-wire male plugs (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.

If optional right turn signal connector location is used, skip steps 4 & 5. Purple wire in plug-in harness is not used.

- 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 9-pin vehicle harness into the purple wire receptacle on the plug-in harness.
- 6. At the 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.
- 7. Place grommet around 9-pin 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.
- Lubricate terminal cavities of both grill connectors with dielectric grease. Give the dielectric grease tube to vehicle owner for future lubrication of grill connectors.

OPERATIONAL TESTS AND ADJUSTMENTS

Fill Plug -

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), Fluid Level Plug-

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.

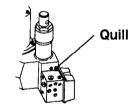
Blade Drop Speed Adjustment

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

COUPLING LUG HEIGHT CHECK

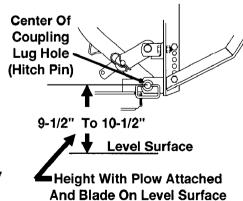
- 1. Mount plow to vehicle (see label on back of blade or owner's manual for mounting instructions). Add recommended ballast (see page 1).
- 2. Lift plow and move vehicle a minimum of 10 feet. Lower blade.
- 3. After step 2, with: blade on level surface, slack in lift chain.

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.
- 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

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
Right turn signal ON
Both vehicle and plow parking lamps should be on at the same time.
Both vehicle and plow right turn signal lamps should flash at the same time.
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- 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, plow headlamps off.

9- or 12-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

12-pin vehicle harness revision 8 and later or

9-pin or 12-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 or

12-pin revision 5, 6, or 7 vehicle harnesses:

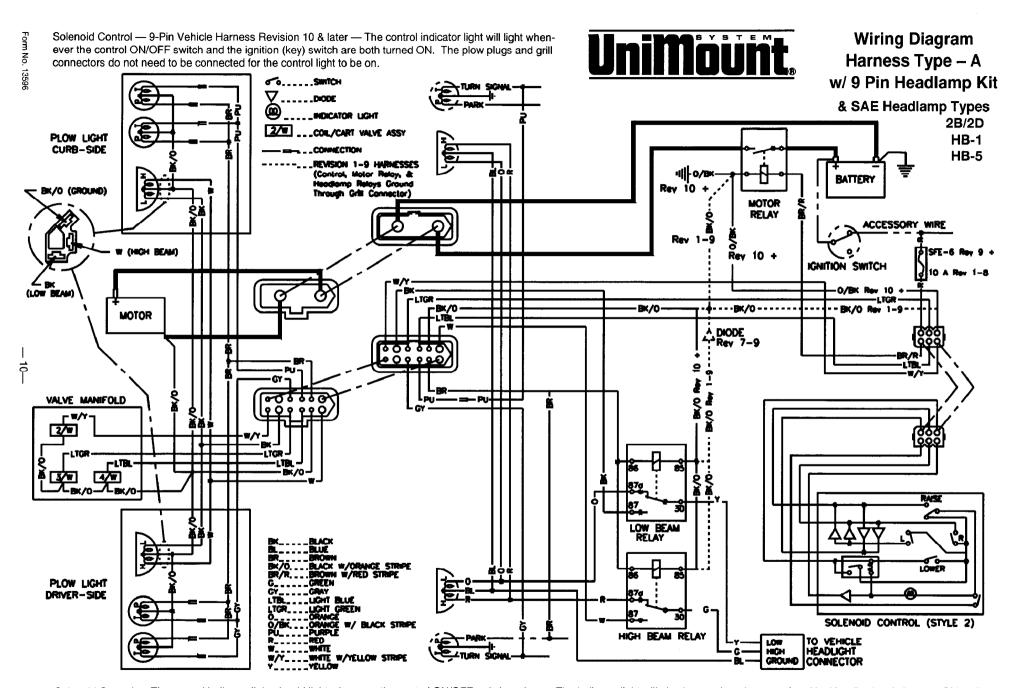
The control indicator light should light whenever the control ON/OFF switch and the ignition (key) switches are both turned ON and the plow plugs are connected to the grill connectors.

9-pin or 12-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.

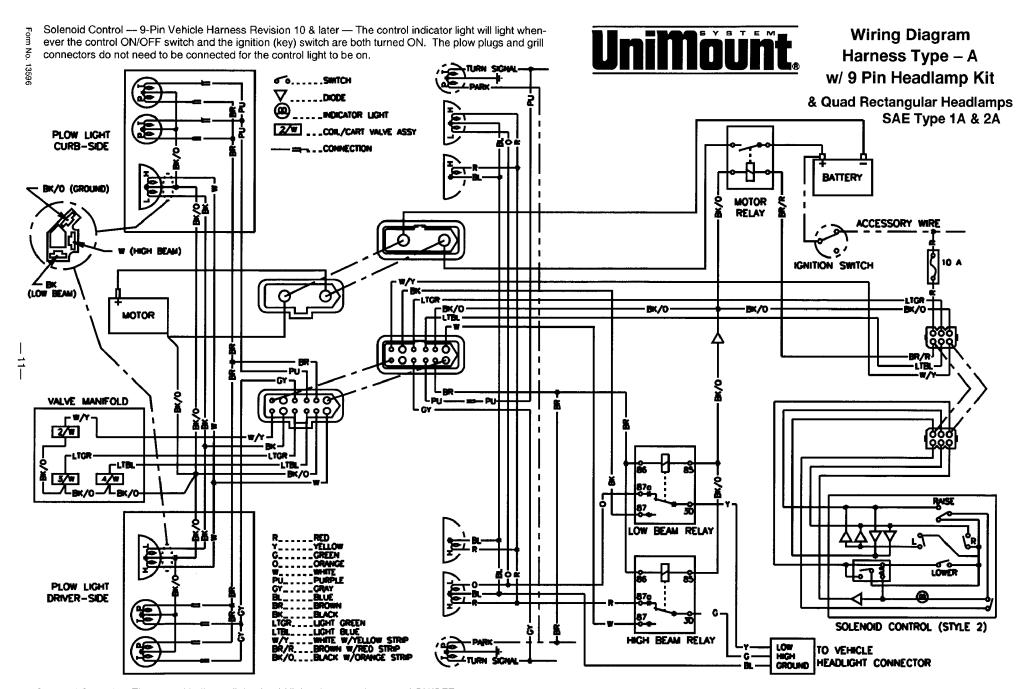
- 2. Connect plow plug to grill connector. Raise plow and aim plow headlamps according to SAE J599 Lighting Inspection Code (See Service Bulletin SP 608) and any applicable federal, state, or local regulations.
- 3. Check aim of vehicle headlamps with plow removed.
- 4. When plow is removed from the 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 — 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.

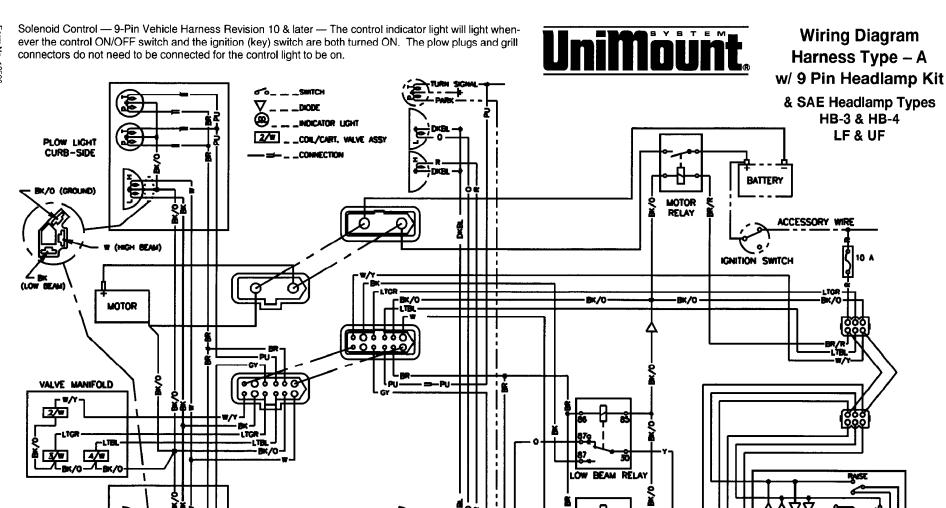
The indicator light will also be on when the control and ignition (key) switches are ON and the plow plugs are disconnected. If the parking lights are turned on (with plow plugs disconnected), the indicator light will go out.



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.

PLOW LIGHT DRIVER-SIDE



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.

WHITE W/YELLOW STREET

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.

GROUND

TO VEHICLE
HEADLIGHT
CONNECTORS

HIGH BEAM RELAY

LOWER

SOLENOID CONTROL (STYLE 2)

NOTES

Form No. 13596 — 13 —

NOTES

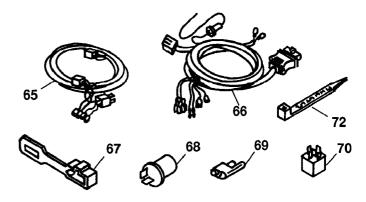
Form No. 13596 — 14 —

NOTES

Form No. 13596 — 15 —

Mount Assembly Box No. 61770 Harness Kit Box No. 61545 or 61565 or 61580 Hydraulics Box No. 56365

PARTS DIAGRAM & LIST



ITEM PART NO. QTY. DESCRIPTION

61546

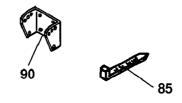
Found in Harness Kit Box No. 61545 or 61565 or 61580

1 PLUG-IN HARNESS 2B/2D U -A

			(For Harness Kit No. 61545)
	61566	1	PLUG-IN HARNESS 1A & 2A U -A
			(For Harness Kit 61565)
	61581	1	PLUG-IN HARNESS LF & UF U -A
			(For Harness Kit 61580)
66	61437	1	VEHICLE HARNESS 9-PIN U
67	61548	2	PLUG COVER U
68	60109	1	FLASHER HD
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.

1 PARTS BAG 61547



ITEM PART NO. QTY. DESCRIPTION

Found in Mount Box No. 61770

85	61536	4	CABLE TIE - LONG
90	56080	1	DASH BRACKET

Parts listed above may be found in the following assembly.

61767 1 BOLT BAG ASSY (61770)

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		
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	Pan	ZP	Zinc Plate		
PT	Prevailing Torque				

ITEM PART NO. QTY. DESCRIPTION

Found in Hydraulics	Box No.	56365
---------------------	---------	-------

31	56369	1	SOLENOID CONTROL (Style 2)	
~~	50000	_	OLUELD.	

32 . 56283 SHIELD

33 . 49286 BODY W/LABEL & LENS (Style 2) 1

. 49287 LEVER, SPRING & ACTUATOR KIT (Style 2)

35 . 55923 **SPRING - CONICAL** 1

36 . 49283 PC BOARD ASSY MOLEX (Style 2) 1

. 56199 37 1 BASE

93153 2 #6-19X3/8 SL HXW TFTS HILO 38 93154 #8-18X5/8 SL HXW TFTS HILO 40

41 56308 1 CONTROL BRACKET

42 90388 #10X1 SL PN TFTS TY AB BZP

4 #10 SP LK WASHER BPO 43 91242

CABLE CLAMP 44 55381

#8-32X3/8 SL HXW TCTS TY T BP 45 93157

46 91231 #8 SP LK WASHER BP

50 61169 CABLE ASSEMBLY - VEHICLE

51 56134K 1 RELAY-SOLENOID HYDRAULIC SYS

43 . 91242 2 #10 SP LK WASHER BPO

52 . 91402 #10-32 HX NUT ZP

62

66130

. 91202 53 5/16 SP LK WASHER ZP 2

54 . 92842 5/16-24 HX JAM NUT

55 22511 **BATTERY CABLE 22" RED** 1

56 90002 2 1/4-20X3/4 HX CS G2 ZP

91101 57 2 1/4 PLAIN WASHER TY A STD ZP

58 91331 1/4-20 PT HX LK NUT NYIS ZP

56099 DIELECTRIC GREASE TUBE (0.25 oz.) 61

49326 WESTERN DIELECTRIC GREASE

TUBE (2 oz.) 2 RUBBER GROMMET

59114 SELF STRIP WIRE CONNECTOR

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

56368 CARTON ASSY LOOSE PARTS U **BOLT BAG ASSY LARGE U** . 56367 1

... 56358 1 BOLT BAG SMALL U

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