



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

UniMount.

A DIVISION OF DOUGLAS DYNAMICS, INC.

MINIMUM VEHICLE
RECOMMENDATIONS

FRT Aux Air Bag Springs

REAR BALLAST -

300 lbs. when plow is
attached.

SECURE WEIGHT
BEHIND REAR WHEELS.

Vehicle Installation Instructions and
Parts List

Model 255

Mount Assembly Box No. 61890

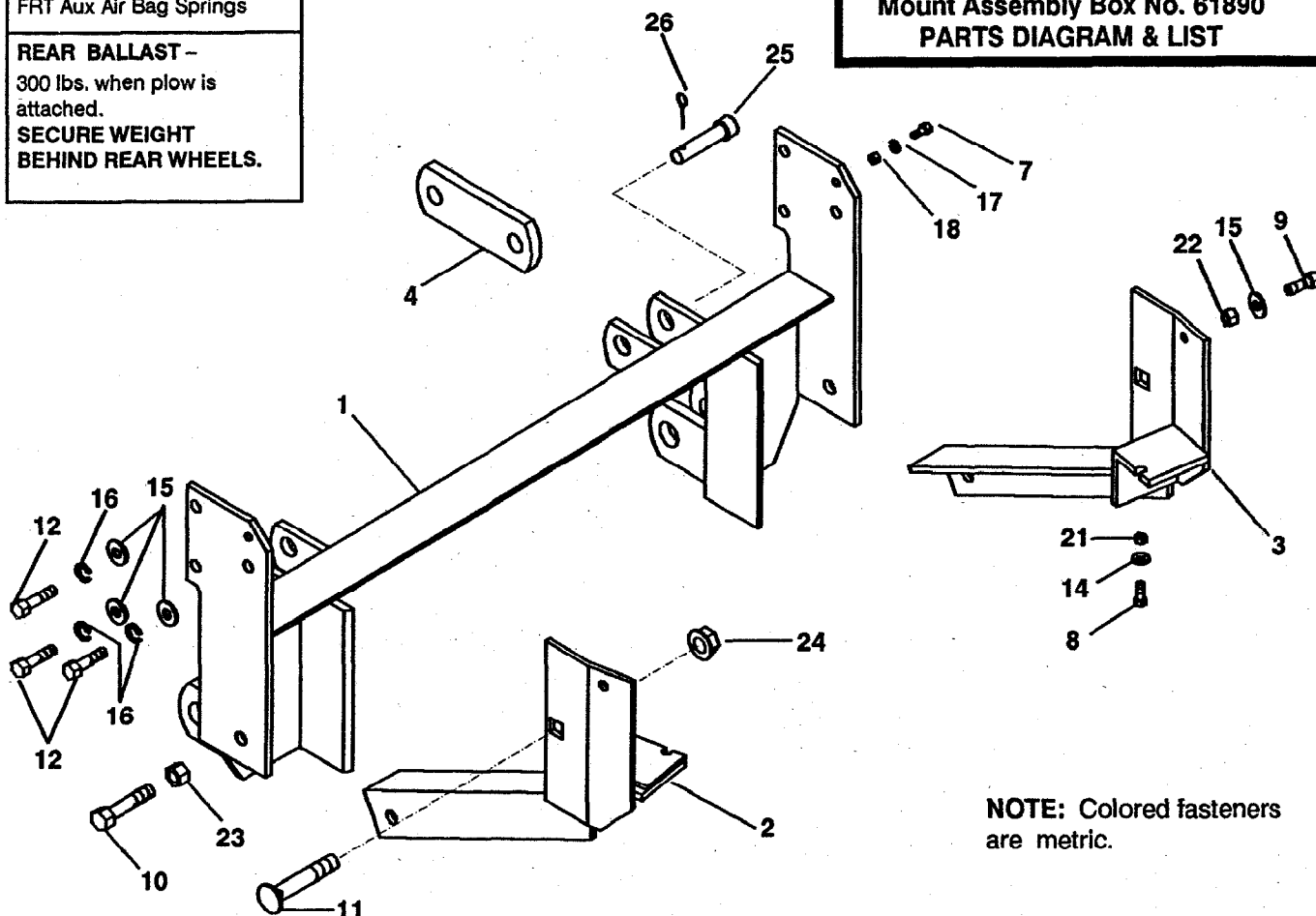
Jeep Cherokee Wagon/Wagoneer 4 x 4
1984 & Later

Hydraulics Box No. 56355

Harness Kit No. 61545 or 61580

January 11, 1993

Mount Assembly Box No. 61890
PARTS DIAGRAM & LIST



NOTE: Colored fasteners
are metric.

ITEM PART NO. QTY. DESCRIPTION

1	61885	1	MOUNT FRAME 255
2	61978	1	THRUST ARM DR
3	61979	1	THRUST ARM CU
4	61412	2	LINK ARM
7	90020	2	5/16-18X1 HX CS G2 ZP
8	90022	2	5/16-18X1-1/2 HX CS G5 ZP
9	90039	2	3/8-16X1 HX CS G5 ZP
10	90100	2	1/2-13X1-1/2 HX CS G5 ZP
11	90265	2	5/8-11X3-1/2 CB G5 ZP
12	95051	6	M10X1.5X30 HX CS G8.8
14	91102	2	5/16 PLAIN WASHER TY A STD ZP
15	91103	8	3/8 PLAIN WASHER TY A STD ZP
16	95173	6	M10 SP LK WASHER
17	91202	2	5/16 SP LK WASHER ZP
18	91412	2	5/16-18 HX NUT ZP
21	91332	2	5/16-18 PT HX LK NUT NYIS ZP
22	91333	2	3/8-16 PT HX LK NUT NYIS ZP
23	91335	2	1/2-13 PT HX LK NUT NYIS ZP
24	91382	2	5/8-11 PT HX FLG NUT ZP
25	93062	2	RIVET 3/4" X 3-1/4" G5 ZP
26	91911	2	5/32X1-1/2 COTTER PIN ZP

ITEM PART NO. QTY DESCRIPTION

NOT SHOWN

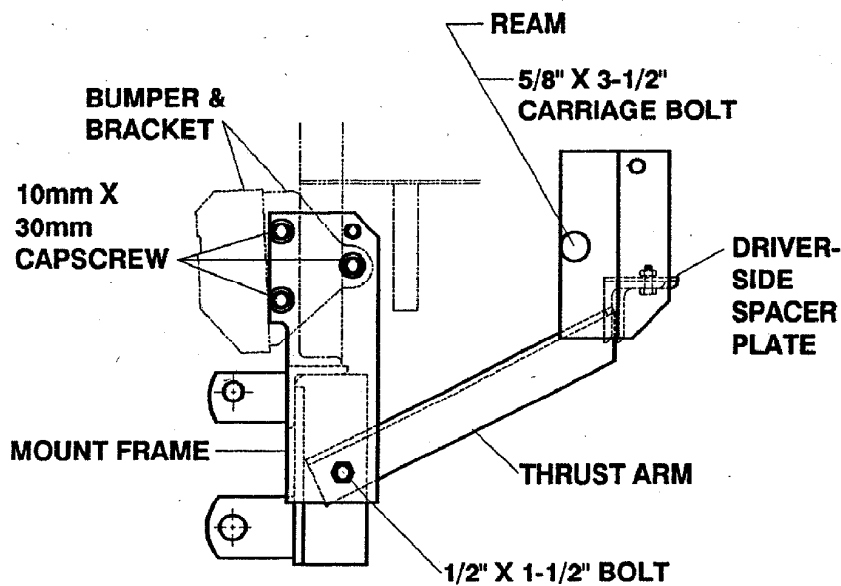
90661	4	#10-24X3/8 SL HXW TCTS TY D ZP
90308	4	#10-24X3/4 RD MS BZP
90389	2	#10X1-1/2 SL PN TFTS TY AB BZP
91242	4	#10 SP LK WASHER BZP
91401	4	#10-24 HX NUT ZP
56080	1	DASH BRACKET
60758	1	FLOOR BRACKET STOOL

Parts listed above may be found in the following assembly.

61982	1	BOLT BAG ASSY (61890)
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Abbreviations

BZP	Black Zinc Plate	PN	Pan Head
CB	Carriage Bolt	PT	Prevailing Torque
CS	Capcrew	RD	Round Head
CU	Curb-Side	SL	Slotted
DR	Driver-Side	SP	Spring
FLG	Flange	STD	Standard
G	Grade	TCTS	Thread Cutting Tapping Screw
HX	Hex	TFTS	Thread Forming Tapping Screw
HXW	Hex Washer	TY	Type
LK	Lock	ZP	Zinc Plate
MS	Machine Screw		
NYIS	Nylon Insert		



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	48	
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	589	

Metric Grade 8.8 (Ft.-Lbs.)			
Size	Torque	Size	Torque
M 8	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.

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 FRAME

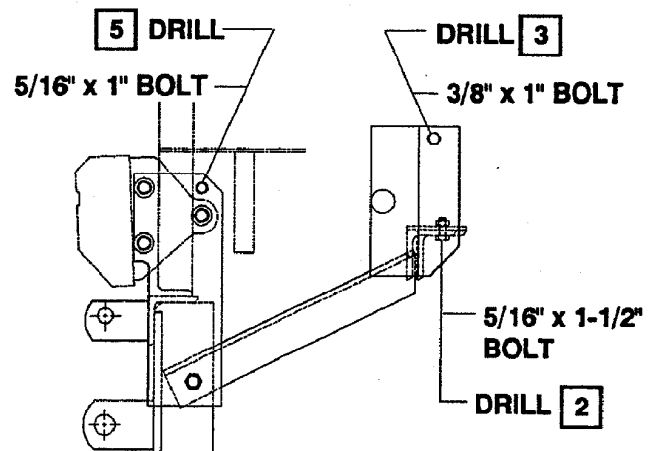
1. Remove bumper with brackets from vehicle. On 1987 and later vehicles, disconnect ball shaped vacuum tank from bottom flange of bumper on curb-side.
2. Remove air dam, retain and reinstall whenever the mount assembly is removed from the vehicle. Reattach ends of fender skirts with four #10 x 3/4" screws, lock washers, and hex nuts.
3. Align mount frame to bumper bracket holes in vehicle frame and fasten with three 10mm x 30mm bolts, 3/8" flat washers, and 10mm lock washers on each side.

THRUST ARMS

1. '84 THRU '86; Ream holes in vehicle frame, at location shown in above diagram, to accept 5/8" bolts.
2. Remove spacer plate from drivers side thrust arm for vehicles with a doubler plate on bottom of driver-side vehicle frame.
3. Align slot in thrust arm side plate with large hole in vehicle frame at location shown in above diagram. Fasten with one 5/8" x 3-1/2" carriage bolt and flanged nut to inside on both sides.
4. Attach each thrust arm to the mount frame with a 1/2" x 1-1/2" bolt inserted from outside and locknut.

SECURING MOUNT FRAME AND THRUST ARMS (See Diagram Below)

1. Holding thrust arms tight to bottom of vehicle frame, tighten all bolts.
2. Use half slot in short angle of each thrust arm as a template to drill two 5/16" holes into bottom of vehicle frame. Secure each thrust arm with a 5/16" x 1-1/2" bolt, flat washer and locknut. Place flat washer against half slot.
3. Use the side plate of each thrust arm as a template to drill a 3/8" hole into vehicle frame. Secure each thrust arm with a 3/8" x 1" bolt, flat washer and locknut. Place flat washer against vehicle frame.
4. Tighten all bolts to corresponding torque chart values.
5. Use side plates of mount frame as templates to drill two 5/16" holes into sides of vehicle frame. Insert two 5/16" x 1" bolts, and secure with lock washers and hex nuts to inside of vehicle frame.



SECURING MOUNT FRAME AND THRUST ARMS

BUMPER

1. Remove the six 10mm x 30mm bolts from the mount frame.
2. Loosen the bumper brackets on bumper and slide each bracket out 5/16". Retighten and install bumper to outside of mount frame using three 10mm x 30mm bolts, flat washers and lock washers on each side.

Replace vacuum tank if removed in step 1 of mount frame instructions.

TIGHTEN ALL BOLTS TO CORRESPONDING TORQUE CHART VALUES

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.

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

HARNESS KIT SELECTION

For DUAL type 2B/2D headlamps, use Box No. 61540 Headlamp Kit 9-Pin and 61545 Harness Kit 2B/2D 9-Pin - A. For Quad type LF & UF headlamps, use Box No. 61540 Headlamp Kit 9-Pin and 61580 Harness Kit LF & UF 9-Pin - A

BUMPER & BRACKET

10mm X 30mm

CAPSCREW

3/4" X 3-1/4"

GRADE 5 RIVET

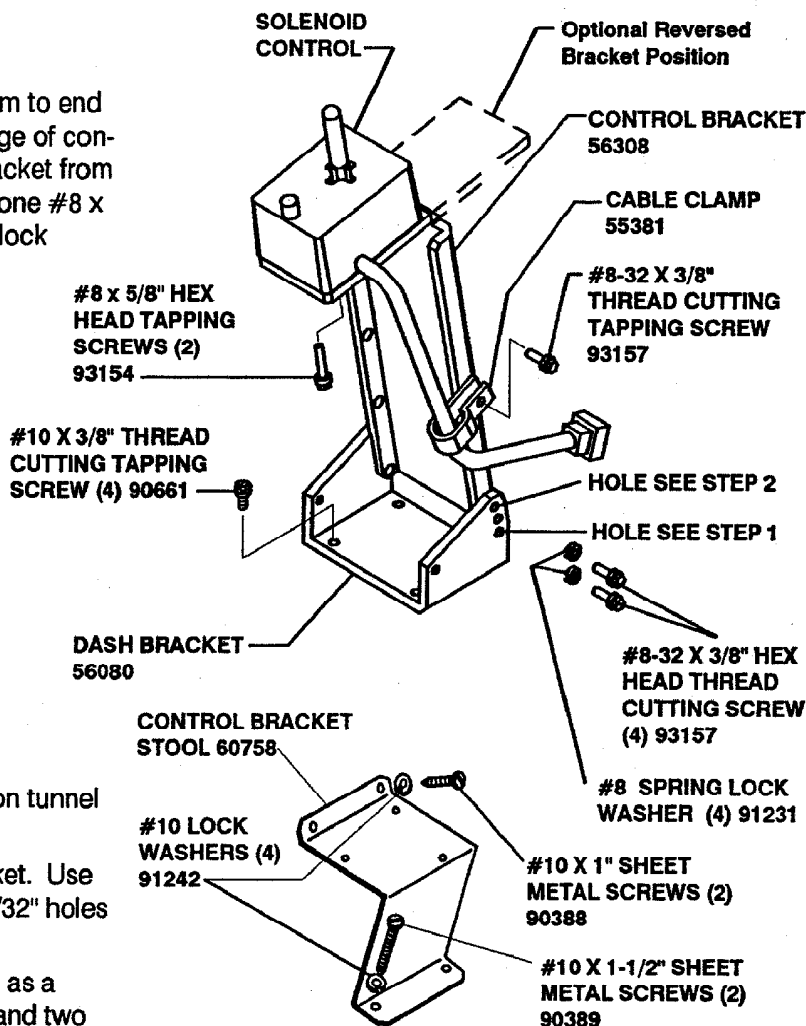
LINK ARM

LINK ARM LUG

MOUNT
FRAME

Solenoid Control and Dash Bracket 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 on each 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. Temporarily hold control assembly on top of control bracket stool and locate assembly on curb-side of floor tunnel so that it does not interfere with the operation of vehicle controls. Mark location of stool on tunnel and floor, and dash bracket on stool.
 5. Remove control bracket from dash bracket. Use dash bracket as a template to drill four 5/32" holes in stool.
 6. Place stool in marked location. Use stool as a template to drill two 1/8" holes in tunnel and two 1/8" holes in floor. **CAUTION:** Check for clearance before drilling holes. Secure stool to tunnel with two #10 x 1" tapping screws and lock washers, and to the floor with two #10 x 1-1/2" tapping screws and lock washers.
 7. Secure dash bracket to top of stool with four #10 x 3/8" thread cutting tapping screws (furnished in mount box).
 8. Reassemble control bracket to dash bracket. Bend top flange of control bracket to desired position.
 9. Secure harness to control bracket with cable clamp and one #8 x 3/8" hex head thread cutting screw.
- Underhood instructions start on next page.

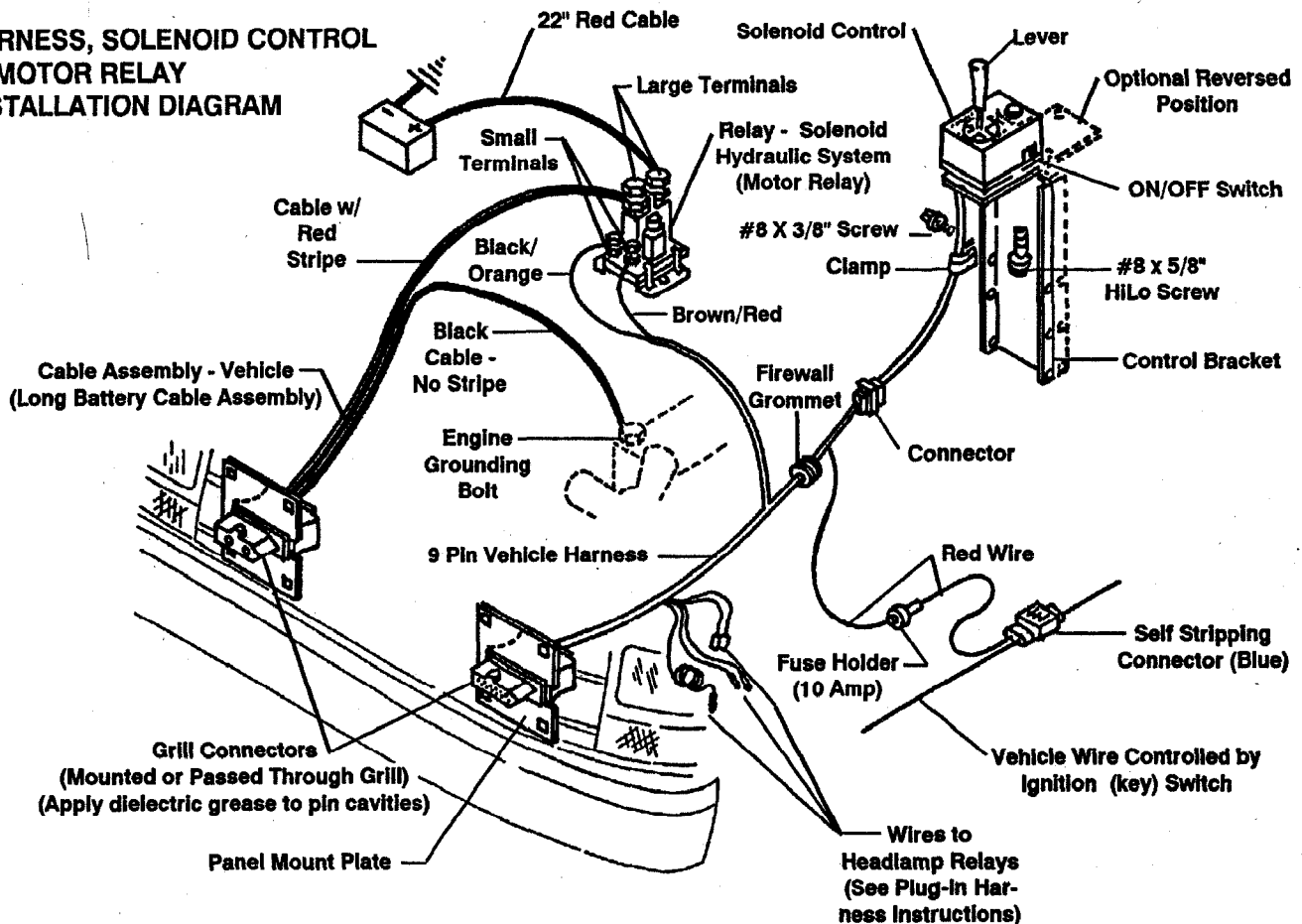


9-Pin Vehicle Harness And Motor Relay

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

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.

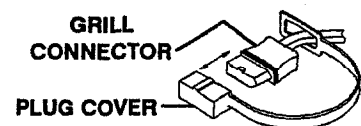
HARNESS, SOLENOID CONTROL & MOTOR RELAY INSTALLATION DIAGRAM



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 POS 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 POS 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 9 pin 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.

Grill openings less than 3/4" high:

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.

Grill openings more than 3/4" high:

Use panel mount plates (found in mount box) to mount grill connectors to grill. For openings 3/4" to 1-1/4" mount the plates in front of the grill. For openings larger than 1-1/4", mount plates behind the grill (this will conceal the connector when not in use), making sure connectors can be easily mated.

If using mount plates, slide grooves of grill connectors into the large rectangular openings of the panel mount plates. Route the plug cover strap through the opening of the panel mount plates.

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.

If using mounting plate, make sure the center key is up and secure the mount plate to the grill using four long cable ties (found in harness kit). Hide cable latch behind grill.

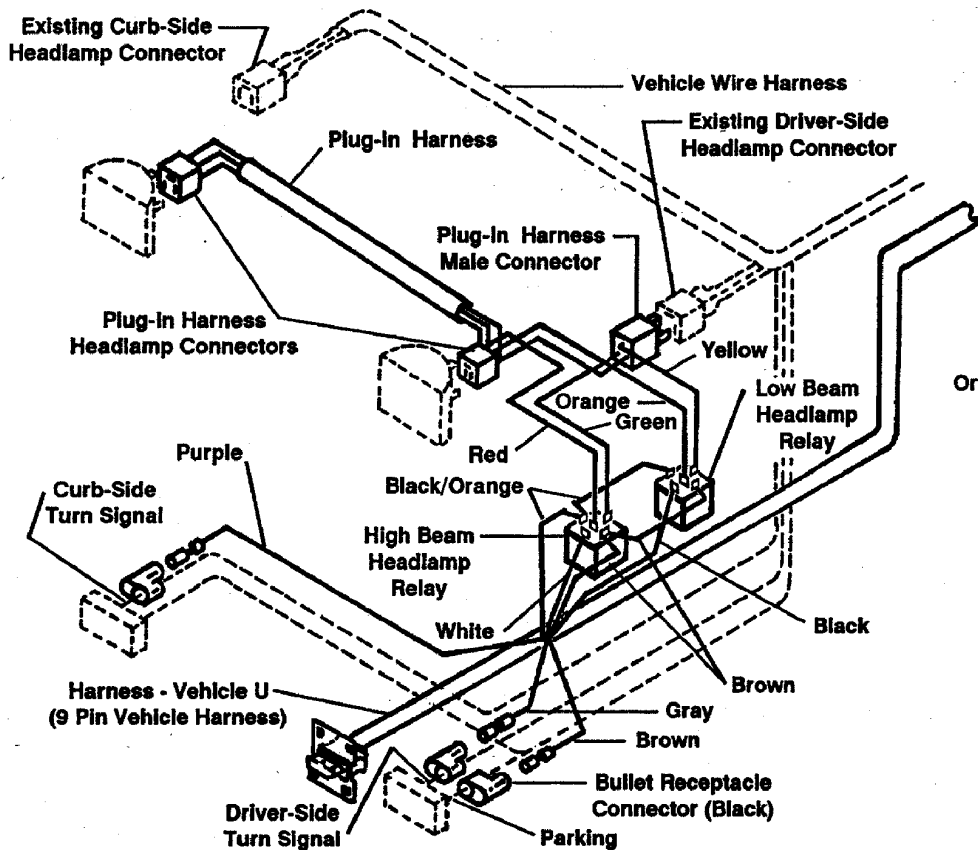
8. Attach cable with red stripe to the unused large terminal on the motor relay, and secure it with a lock washer and 5/16"-24 jam nut.
9. Attach cable without stripe to a **ground bolt on engine or directly to the negative battery terminal** (separate the two cables as needed to reach ground bolt or battery).
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. Reconnect vehicle ground cable to battery negative terminal.
14. Inside the cab, route 9 pin vehicle harness connector to solenoid control and couple the connectors together.
15. Locate an accessory wire that is controlled by the Ignition switch (power is turned off when ignition switch is in OFF position). Route the 10 amp fuse holder red wire to this location and trim excess length (leave 10 amp fuse holder in system). Open blue self-stripping connector and place the end of the red wire against the inner groove stop (end of wire must not protrude from connector when it is closed) and the accessory wire in the outer groove. Close connector over the wires with pliers and snap locking tab into place.

OPTION: Locate an unused fuse box terminal operated by the ignition switch and attach a terminal (not furnished) to the red wire and plug into fuse box terminal.

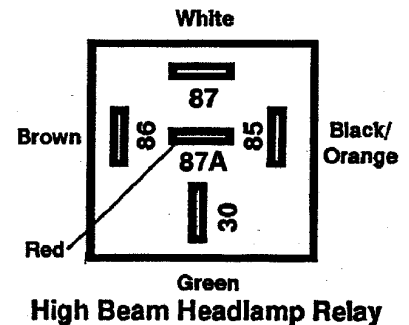
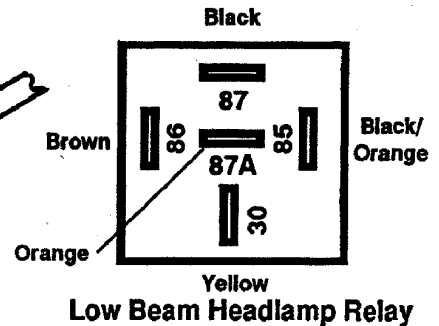
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PLUG-IN HARNESS & HEADLAMP RELAY INSTALLATION

PLUG-IN HARNESS INSTALLATION DIAGRAM



HEADLAMP RELAY WIRING DIAGRAM Type - A



Plug-In Harness & Headlamp Relay

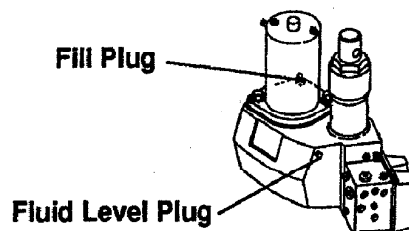
1. In the engine compartment behind the driver-side headlamp, insert wire bullets from 9 pin vehicle harness into black bullet connectors (installed in step #1 of previous section) as follows:
Brown wire to parking lamp wire on driver-side.
Gray wire to turn signal wire on driver-side.
2. At the vehicle driver-side headlamp, remove the connector(s) from the headlamp(s) and couple matching connector with plug-in harness 3-wire male plug(s) (found in harness kit). Attach plug-in harness headlamp connector(s) to headlamp terminals.
3. 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.
4. 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.
5. At the driver-side headlamp(s), 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 receptacle 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.
7. 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.
8. 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.
9. Lubricate terminal cavities of both grill connectors with dielectric grease. Give tube of dielectric grease to vehicle owner for future lubrication of grill connectors.

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.

Capacity: Solenoid ISARMATIC® Mark IIIa reservoir	1-3/4 quarts
Equipped with 6" Hydra-Turn® rams	2-1/8 quarts

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.

WARNING: Always return lever to the neutral position. To prevent accidental movement of plow, always turn the solenoid control to OFF when the mounted plow is not in use.

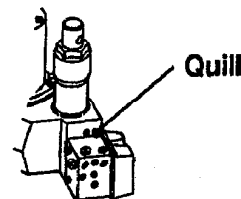
Blade Drop Speed Adjustment

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:

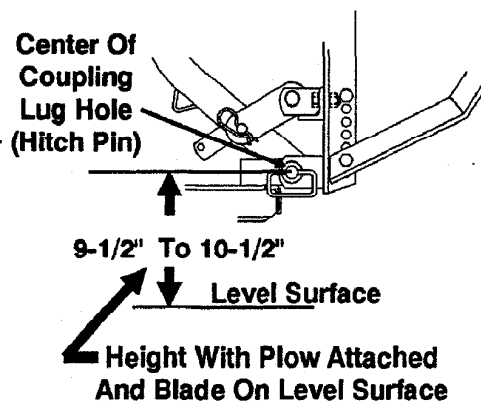
1. Mount plow to vehicle (see label on back of blade or owner's manual for mounting instructions).
2. Lift plow and move vehicle. Travel a minimum of 10 feet. Lower blade.
3. After step 2, with: blade on level surface,
slack in lift chain,
rear ballast located behind rear wheels,

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

1. Install front Auxillary Air Bag Springs.

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.



Continued on next page.

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.

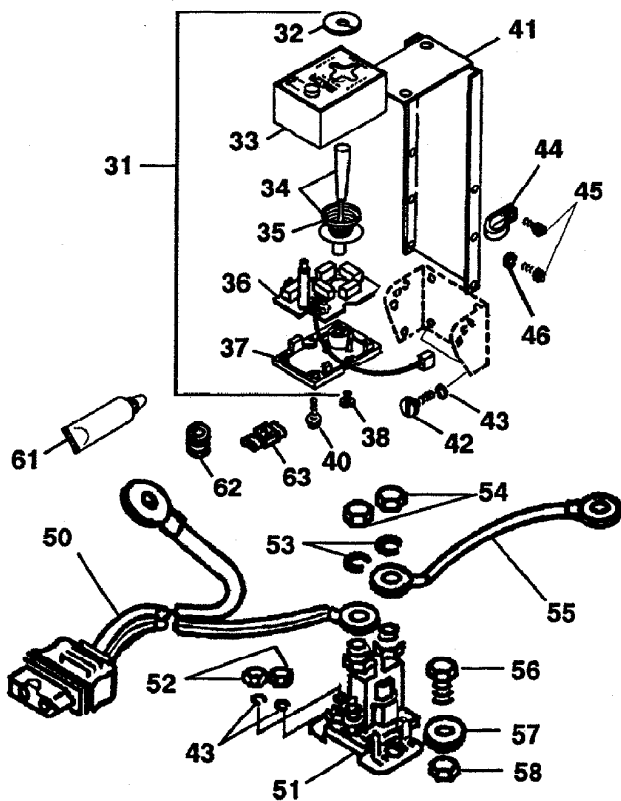
The indicator light will also light when the control and ignition (key) switches are on and the plow plugs are disconnected. If the parking lights are turned on (with plow plugs disconnected), the indicator light will go out.

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. 61890
 Harness Kit Box No. 61545 or 61580
 Hydraulics Box No. 56355

PARTS DIAGRAM & LIST



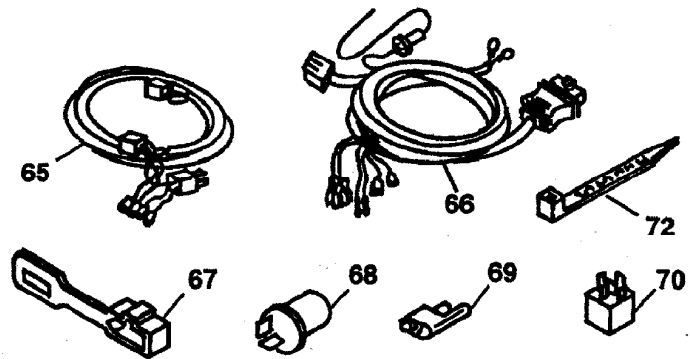
ITEM PART NO. QTY. DESCRIPTION

Found in Hydraulics Box No. 56355

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 61580

65	61546	1	PLUG-IN HARNESS 2B/2D U -A (For Harness Kit No. 61545)
	61581	2	PLUG-IN HARNESS LF & UF U -A (For Harness Kit No 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.

61547	1	PARTS BAG
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ITEM PART NO. QTY. DESCRIPTION

Found in Mount Box No. 61890

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

Parts listed above may be found in the following assembly.

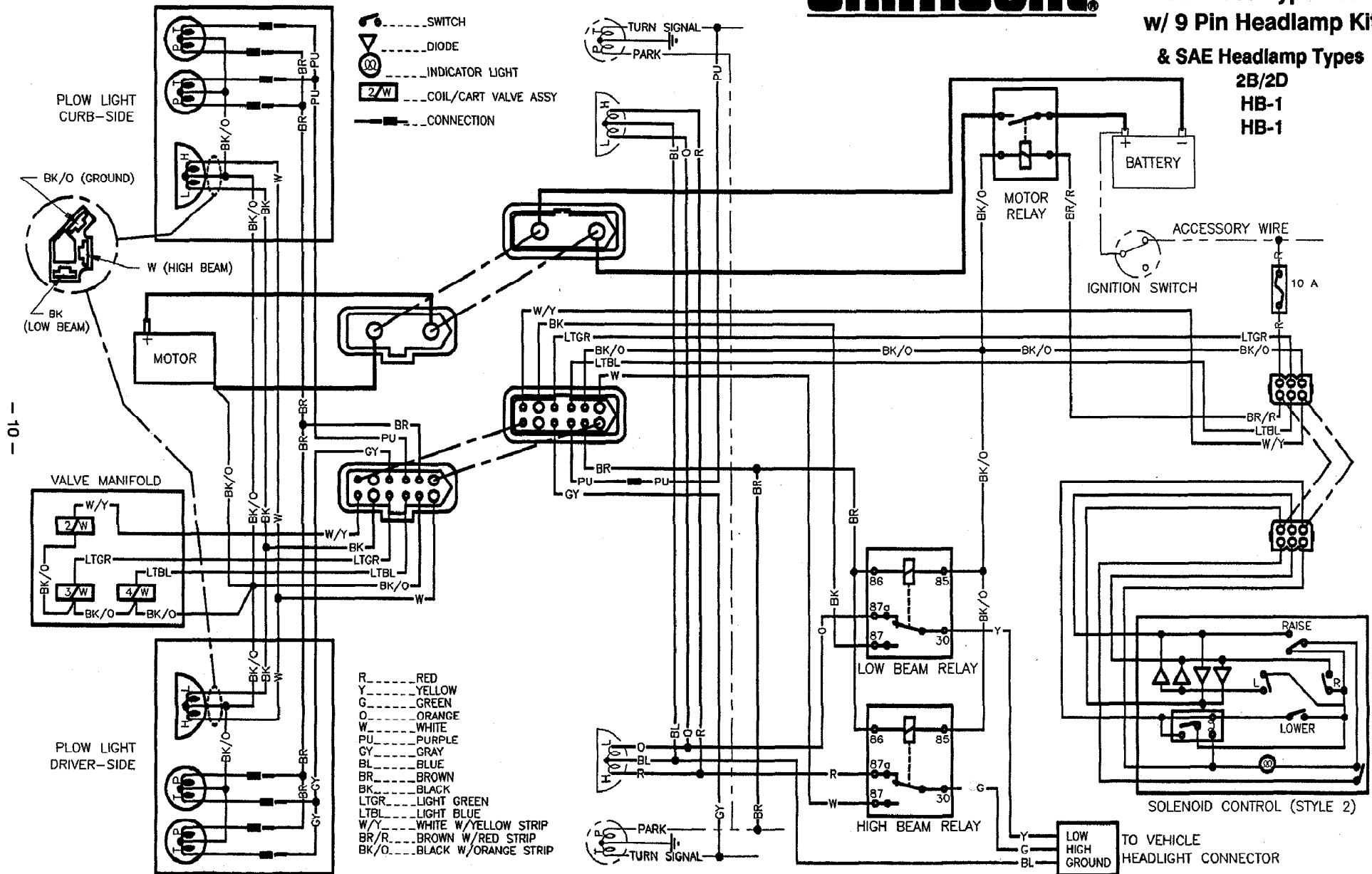
61982	1	BOLT BAG ASSY (61890)
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Abbreviations			
ASSY	Assembly	SL	Slotted
BP	Black Phosphate	SP	Spring
BPO	Black Phosphate & Oil	SPDT	Single Pole Double Throw
BZP	Black Zinc Plate	STD	Standard
CS	Capscrew	SYS	System
G	Grade	TCTS	Thread Cutting Tapping
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	Pan	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-1

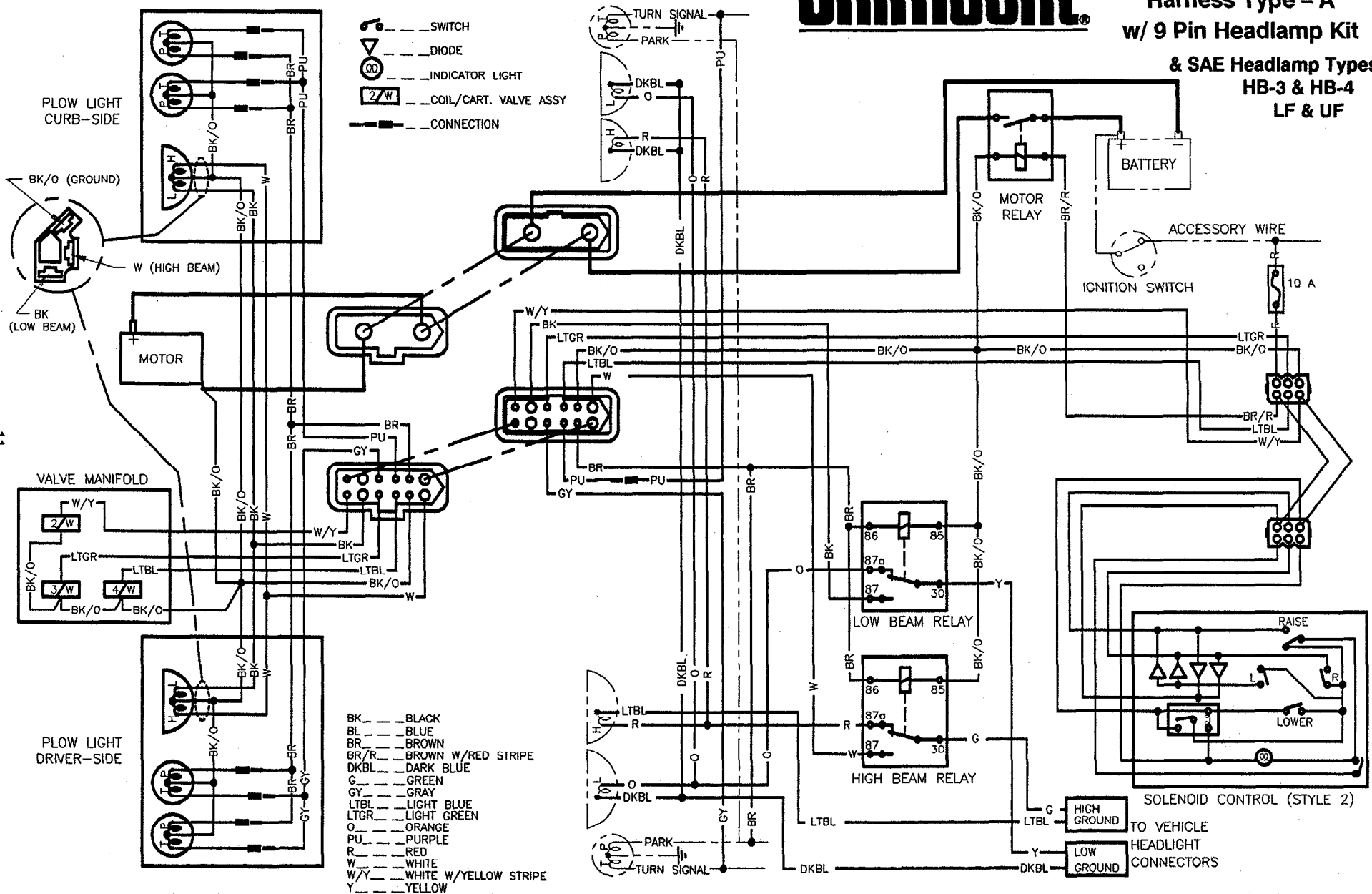


Solenoid Control - The control indicator light should light whenever the control ON/OFF switch and the ignition (key) switch are both turned ON and the plow plugs are connected to the grill connector.

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.

Unimount[®] SYSTEM

Wiring Diagram Harness Type - A w/ 9 Pin Headlamp Kit & SAE Headlamp Types HB-3 & HB-4 LF & UF



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.

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WESTERN® ISARMATIC® Hydra-Turn® UniMount® Roll-Action™ PRO-GUARD™

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