



Lit. No. 64291
June 15, 2004



8-1/2' and 9-1/2' MVP® Snowplow Service Parts for Hydraulic Assemblies with Isolation Module Electrical System



MVP® SNOWPLOW ASSEMBLY PARTS LIST

HYDRAULICS BOX NO. 64777

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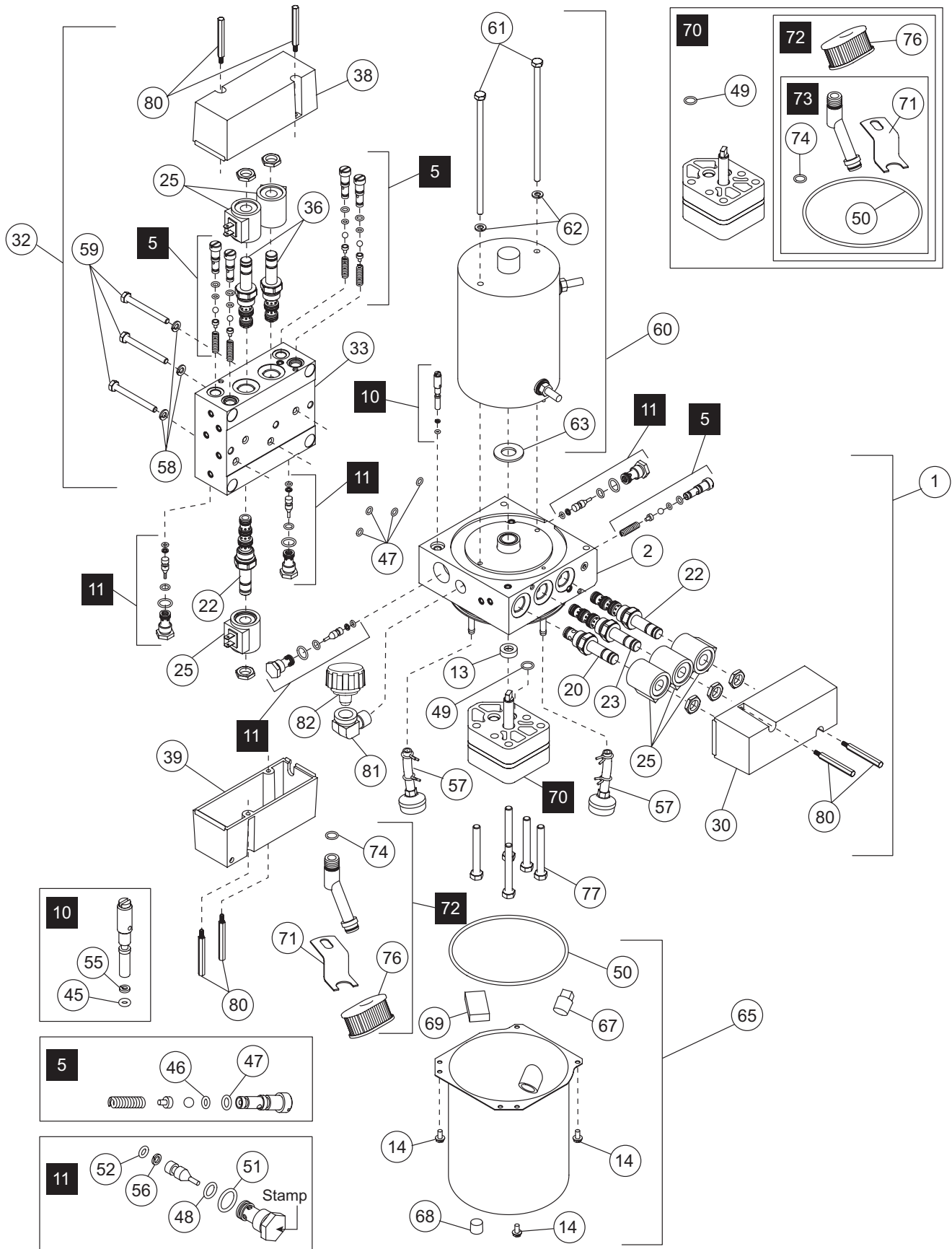
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HYDRAULICS BOX NO. 64777		
Part	Qty	Description
56786	1	HYDRAULIC UNIT - MVP
56750	2	RAM ASSEMBLY, 2 X 11 DA
56538K	1	RAM ASSEMBLY, 1-1/2 X 8 KIT
64292	1	BOLT BAG ASSY LARGE
64280	1	BOLT BAG SMALL

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FloStat® Hydraulic Unit - MVP® Parts Diagram



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FloStat® Hydraulic Unit - MVP Parts List

56786 HYDRAULIC UNIT - MVP					
Item	Part	Qty	Description	Item	Part Qty Description
1	66773-1	1	PRIMARY VALVE MANIFOLD ASSY W/ CARTRIDGES, COILS, COVERS	49	56274 2 O-RING -013
2	66775-1	1	PRIMARY MANIFOLD ASSY W/O CARTRIDGES, COILS, COVERS	50	66519 1 O-RING 2-250
5	49138K	3	RELIEF VALVE KIT - 2 SETS	51	56569 4 O-RING -906
10	56662	1	QUILL ASSY	52	56776 4 O-RING -008, RED, 70 DUROMETER
11	66785	4	PILOT - CHECK VALVE KIT	55	56315 1 BACK-UP RING -006
13	66515	1	PUMP SHAFT SEAL	56	66628 4 BACK-UP RING -008
14	66607	4	10-24X5/16 MACHINE SCREW	57	66405 2 RETURN SCREEN ASSY
20	49227K	1	CARTRIDGE 20 W/JAM NUT	58	91201 3 1/4 SPRING LOCK WASHER
22	49229K	2	CARTRIDGE 40 W/JAM NUT	59	66597 3 1/4-20X2-1/2 HEX CAP SCREW G5
23	66783K	1	CARTRIDGE 43 W/JAM NUT	60	21500 1 MOTOR ASSY 4-1/2" (See next page for motor service parts.)
25	49230K	6	COIL W/SPADE TERMINALS	65	21830 1 RESERVOIR KIT MVP
30	56763	1	COVER ASSY V-PLOW 4-4-2	67	92079 1 PLUG 3/8 NPTF
32	66771-1	1	SECONDARY VALVE MANIFOLD ASSY W/ CARTRIDGES, COILS, COVERS	68	92095 1 PLUG 1/4 NPTF HX SO THREAD SEAL
33	66772-1	1	SECONDARY MANIFOLD ASSY W/O CARTRIDGES, COILS, COVERS	69	73897 1 MAGNET
36	49228K	2	CARTRIDGE 30 W/JAM NUT	70	21501 1 HYD PUMP KIT - FS
38	66620	1	COVER ASSY V-PLOW 3-3	71	- 1 RETAINER CLIP
39	66621	1	COVER ASSY V-PLOW 4 WAY	72	66763 1 INLET FITTING / FILTER KIT
45	25622	1	O-RING -006	73	28479 1 INLET FITTING KIT
46	55371	5	O-RING -008, 90 DUROMETER (black)	74	56416 1 O-RING -014
47	25731	9	O-RING -010	76	56789 1 SUCTION FILTER
48	66627	4	O-RING -011 (CHECK VALVES STAMPED V4 AND LOWER)	77	90073 5 5/16-18X2-1/4 HEX CAP SCREW G5
	25730	4	O-RING -012 (CHECK VALVES STAMPED V5 AND HIGHER)	80	56580 6 SCREW, STANDOFF ZYC
				81	21726 1 ELBOW
				82	21727-2 1 BREATHER, PRESSURE CONTROL
				NS	49258 1 SEAL KIT - CARTRIDGE 20
				NS	49259 1 SEAL KIT - CARTRIDGE 30,31,33,40,43
				NS	56657 1 O-RING AND BACK-UP RING KIT-SOL
56657 - O-RING AND BACK-UP RING KIT - SOL					
Universal kit - not all contents are used in MVP application.					
25622	1	O-RING -006	25620	1	O-RING -115
55371	5	O-RING -008, 90 DUROMETER (black)	25618	1	O-RING -216
56776	4	O-RING -008, RED, 70 DUROMETER	66028	1	O-RING -226
25731	9	O-RING -010	26784	4	O-RING -903
66627	4	O-RING -011	56569	4	O-RING -906
25730	6	O-RING -012	66519	1	O-RING 2-250
56274	1	O-RING -013	56315	2	BACK-UP RING -006
56416	1	O-RING -014	66628	4	BACK-UP RING -008

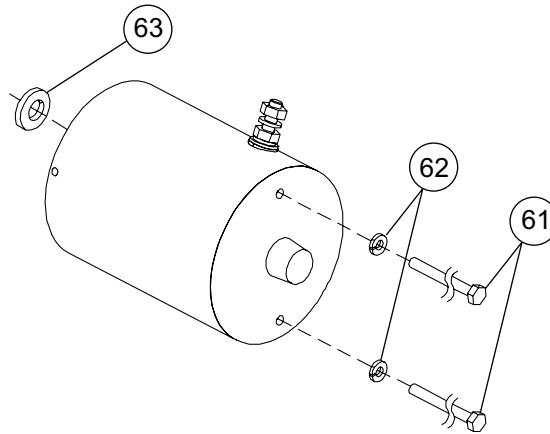
For a list of abbreviations, see page 4.

MVP® SNOWPLOW ASSEMBLY PARTS LIST

HYDRAULICS BOX NO. 64777

Motor Manufacturer Identification and Service Parts

Photo shows terminal position and end cap for brand identification.
(Motor shown with flange. Flange is not used in MVP applications.)



PRESTOLITE 2 TERMINAL			
Item	Part	Qty	Description
61	56621	1	THRU-BOLT KIT (Includes cap screws and special washers.)
63	56641	1	THRUST WASHER KIT
NS	56638	1	END CAP W/ O-RING
NS	56622	1	BRUSH KIT – PRESTOLITE 2 TERMINAL



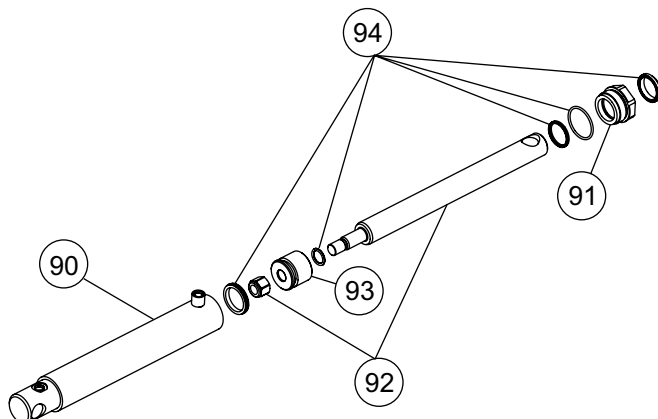
BOSCH 2 TERMINAL			
Item	Part	Qty	Description
61	21508	2	1/4-20 X 6-1/4 HEX CAP SCREW G5
62	91201	2	1/4 SPRING LOCK WASHER
63	21535	1	WASHER, FIBER THRUST 5/8 (drive end)
NS	56620	1	BRUSH KIT – BOSCH 2 TERMINAL

For a list of abbreviations, see page 4.

MVP® SNOWPLOW ASSEMBLY PARTS LIST

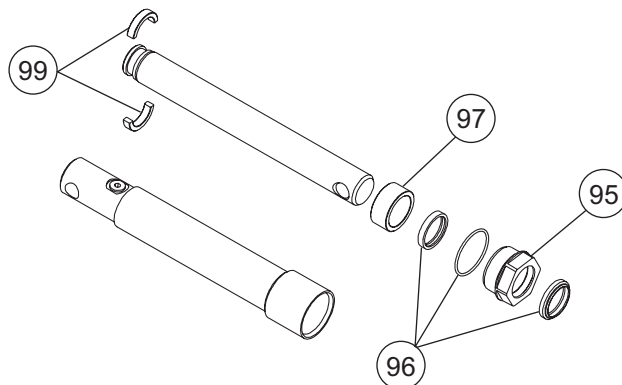
HYDRAULICS BOX NO. 64777

Angle Ram Diagram and Parts List



56750 – RAM ASSEMBLY 2 X 11 DA			
Item	Part	Qty	Description
90	56749	1	CYLINDER ASSY, 2 X 11 DA
91	56555	1	GLAND NUT POLYPAC SEAL
92	56797	1	ROD KIT, 2 X11 DA RAM
93	56677	1	SEAL KIT W/ PISTON 2" DA
94	56669	1	SEAL KIT 2" DA RAM

Lift Ram Diagram and Parts List



56538K – RAM ASSEMBLY 1-1/2 X 8			
Item	Part	Qty	Description
95	56555	1	GLAND NUT POLYPAC SEAL
96	56556	1	SEAL KIT W/POLYPAC SEAL
97	56537	1	SPACER
99	62290	2	SPLIT BEARING 1-1/2"

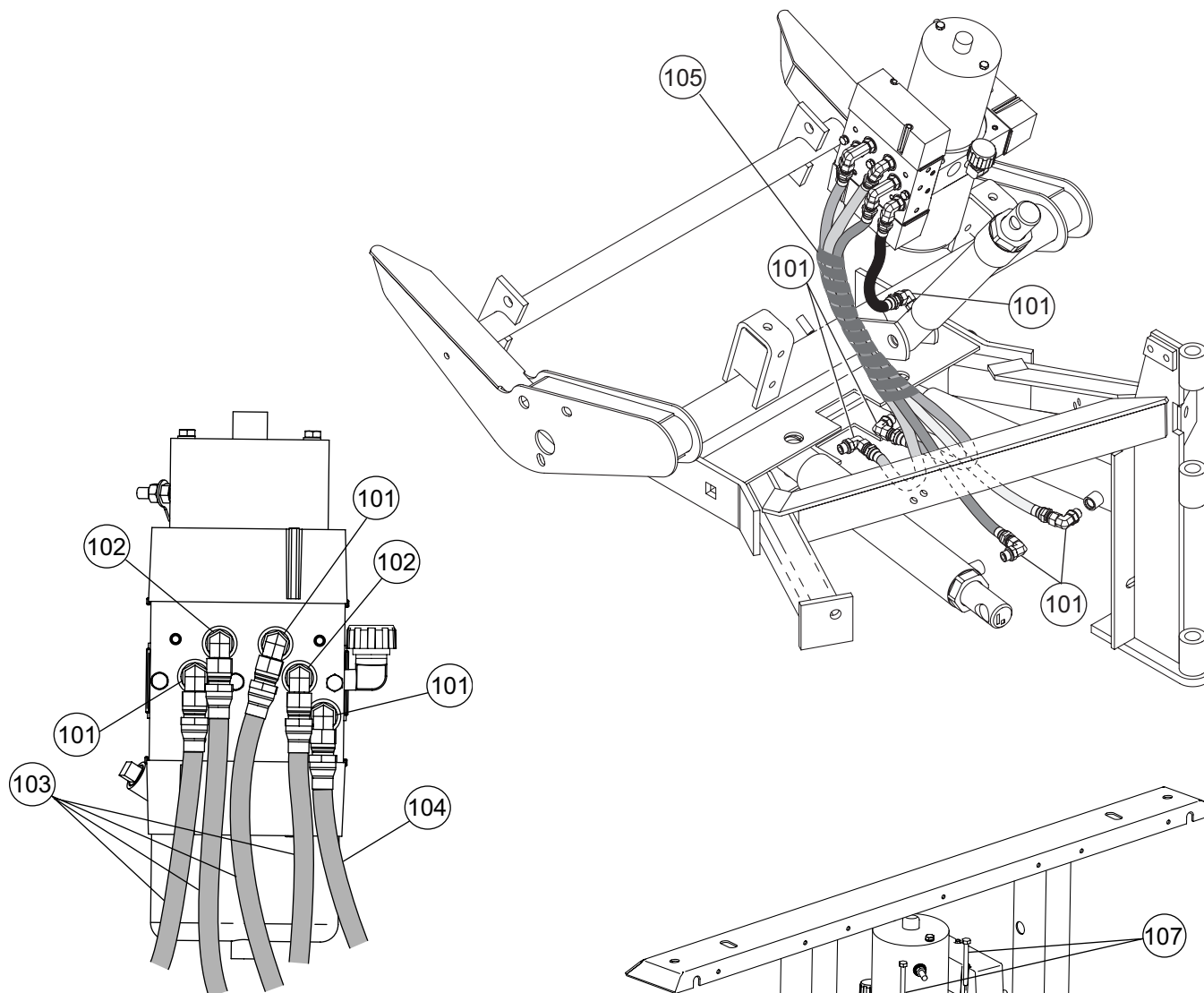
ABBREVIATIONS

ASSY	Assembly	HX	Hex	PS	Passenger Side
CU	Curb Side	HYD	Hydraulic	SOL	Solenoid
DA	Double-Acting	JIC	Joint Industry Conference	STD	Standard
DEG	Degree	LG	Long	TY	Type
DR	Driver Side	M	Metric	V	MVP
DS	Driver Side	NPT	National Pipe Thread	W/	With
F	Female	NPTF	National Pipe Thread (Fluid)	W/O	Without
FS	FloStat® Hydraulic System	NS	Not Shown	ZP	Zinc Plate
G	Grade	PC	Printed Circuit	ZYC	Zinc Yellow Chromate
HD	Heavy Duty				

MVP® SNOWPLOW ASSEMBLY PARTS LIST

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Hose and Fitting Diagrams and Parts List



HOSE AND FITTING PARTS LIST

Item	Part	Qty	Description
101	56615	8	ELBOW KIT, 90DEG-6 MO-RING/MJIC
102	64212	2	ELBOW KIT, LG 90DEG-6 MO-RING/MJIC
103	56616	4	HOSE KIT, 1/4X42 W/ FJIC ENDS
104	56617	1	HOSE KIT, 1/4X16 W/ FJIC ENDS
105	56823	1	HOSE WRAP, POLYETHYLENE 1" X 18"
106	90039	1	3/8-16X1 HEX CAP SCREW G5
107	90010	2	1/4-20X2-3/4 HEX CAP SCREW G5
108	91331	2	1/4-20 HEX LOCKNUT GB

*Item 106:
Do not use any washers.
Torque to 15-20 ft-lb.

For a list of abbreviations, see page 4.

MVP® SNOWPLOW ASSEMBLY PARTS LIST

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Bolt Bag Assembly Parts Lists

64292 – BOLT BAG ASSEMBLY LARGE					
Part	Qty	Description	Part	Qty	Description
56615	8	ELBOW KIT, 90 DEG-6 M O-RING/M JIC	90039	1	3/8-16X1 HEX CAP SCREW G5
64212	2	ELBOW KIT, LONG 90 DEG, -6 M O-RING	56580	6	SCREW, STANDOFF ZYC
56099	1	DIELECTRIC GREASE TUBE	91331	2	1/4-20 HEX LOCKNUT GB
56558	2	1/2 FLAT WASHER SPECIAL	21726	1	3/8 NPTFX90 STREET ELBOW BRASS
56595	7	ANCHOR, CABLE TIE	66130	2	RUBBER GROMMET
90010	2	1/4-20X2-3/4 HEX CAP SCREW G5	64280	1	BOLT BAG ASSEMBLY SMALL
64280 – BOLT BAG ASSEMBLY SMALL					
All parts in this bag are used in the vehicle electrical installation.					
90461	2	1/4-20X3/4 HEX CAP SCREW G5	92842	2	5/16-24 HEX JAM NUT G5
90311	2	1/4 FLAT WASHER	91402	2	10-32 HEX MACHINE SCREW NUT
91202	2	5/16 SPRING LOCK WASHER	91055	2	M6X1.00X25 HEX CAP SCREW G8.8
91242	2	10 SPRING LOCK WASHER	91056	2	M6X1.00 HEX NUT G10
91331	2	1/4-20 HEX LOCKNUT GB	91057	2	M6 FLAT WASHER
66130	2	RUBBER GROMMET			

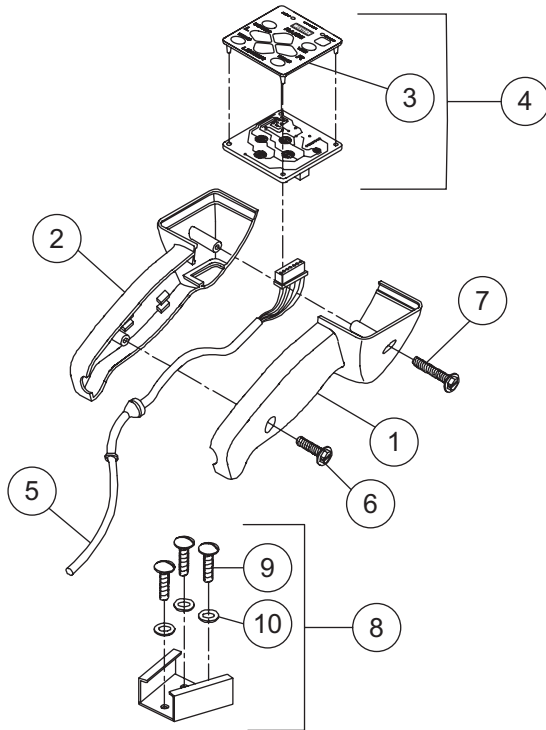
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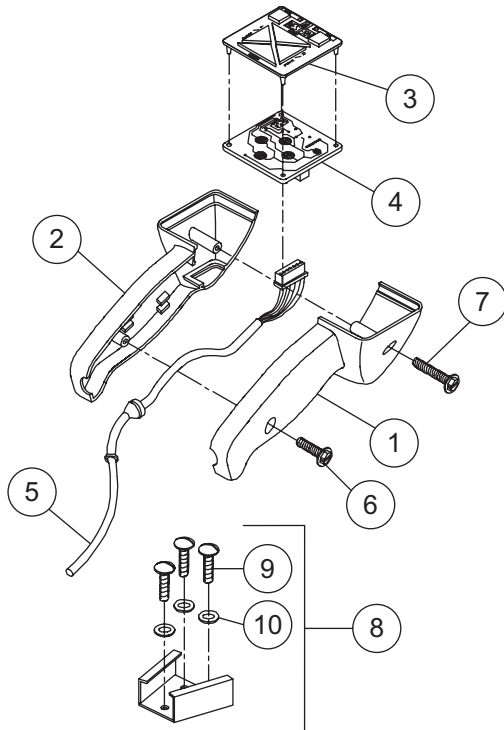
Cab Control Diagrams and Parts Lists

MVP® CabCommand Hand-Held Control Kit (9 Button)



96462 MVP® CabCommand HAND-HELD CONTROL KIT (9 BUTTON)			
ITEM	PART	QTY	DESCRIPTION
1	96456	1	CONTROL BODY - RIGHT
2	96457	1	CONTROL BODY - LEFT
3	96461	1	KEYPAD ASSY (MVP) 9 BUTTON
4	96460	1	PC BOARD & KEYPAD (MVP), SERVICE 9 BUTTON
5	96454	1	HARNESS, V-PLOW 9 BUTTON CPC CONNECTOR
6	93173	1	8-18 x 3/4 TAPPING SCREW
7	93174	1	8-18 x 1-1/4 TAPPING SCREW
8	64312	1	PARTS BAG - CONTROL BRACKET
9		3	6-32 x 1 TAPPING SCREW
10		3	6 SPRING LOCK WASHER
NS	69190	-	FUSE KIT, V-PLOW (PKG OF 5)
NS = Not Shown			

MVP® CabCommand Hand-Held Control Kit (6 Button)



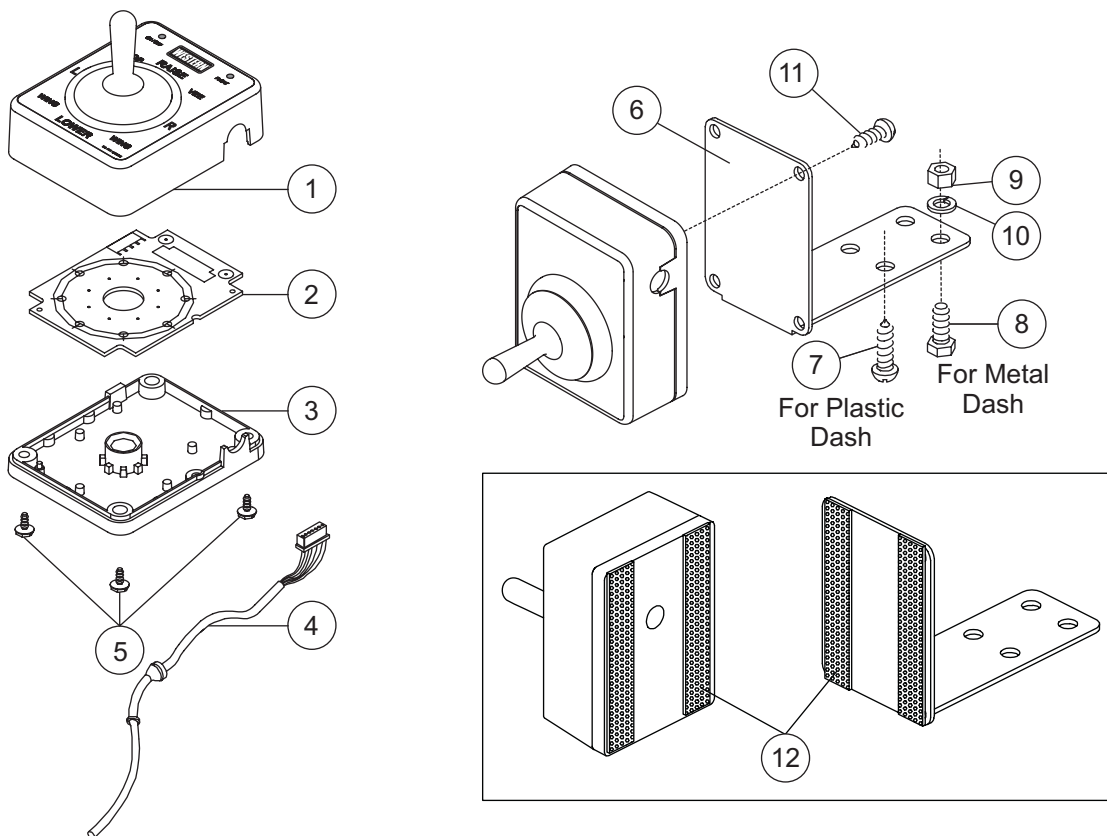
64294 MVP® CabCommand HAND-HELD CONTROL KIT (6 BUTTON)			
ITEM	PART	QTY	DESCRIPTION
1	96456	1	CONTROL BODY - RIGHT
2	96457	1	CONTROL BODY - LEFT
3	66792	1	KEYPAD ASSY (MVP) 6 BUTTON
4	66793	1	PC BOARD ASSY (MVP), SERVICE 6 BUTTON (NO KEYPAD)
5	66633	1	HARNESS, V-PLOW COIL CORD 6 BUTTON
6	93173	1	8-18 x 3/4 TAPPING SCREW
7	93174	1	8-18 x 1-1/4 TAPPING SCREW
8	64312	1	PARTS BAG - CONTROL BRACKET
9		3	6-32 x 1 TAPPING SCREW
10		3	6 SPRING LOCK WASHER
NS	69190	-	FUSE KIT, V-PLOW (PKG OF 5)
NS = Not Shown			

For a list of abbreviations, see page 4.

MVP® SNOWPLOW ASSEMBLY PARTS LIST

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MVP® Joystick Control Kit



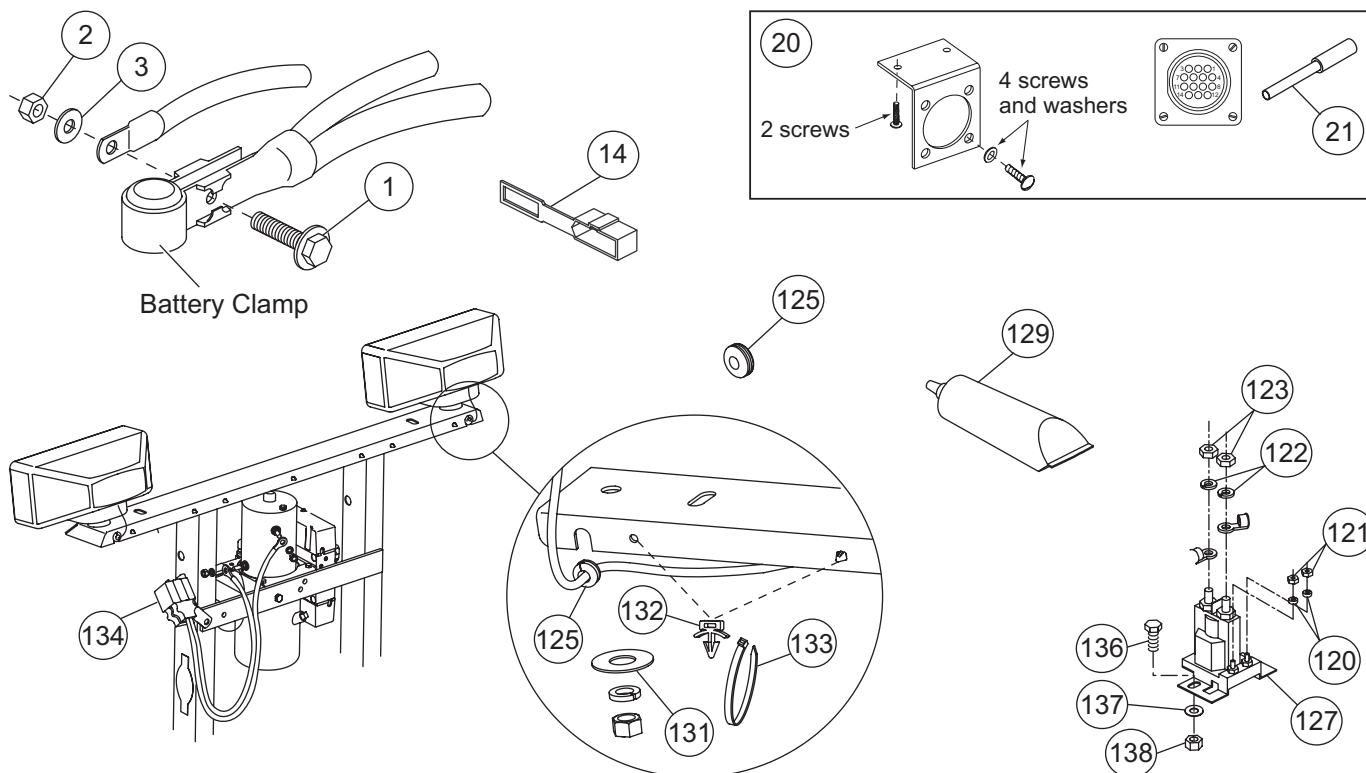
96369 MVP® JOYSTICK CONTROL KIT							
ITEM	PART	QTY	DESCRIPTION	ITEM	PART	QTY	DESCRIPTION
1	96368	1	COVER ASSY, JOYSTICK MVP w/ ACTUATOR, SPRING & LABEL	5	96364	3	4 x 3/8 TAPPING SCREW
2	96367	1	PC BOARD, JOYSTICK V-PLOW	NS	96363	1	DASH BRACKET PARTS BAG
3	96366	1	BOTTOM HOUSING, JOYSTICK	NS	69190	-	FUSE KIT, V-PLOW (PKG OF 5)
4	96365	1	HARNESS, JOYSTICK V-PLOW CPC CONNECTOR				
96363 DASH BRACKET PARTS BAG							
6		1	CONTROL BRACKET	10		2	1/4 SPRING LOCK WASHER
7		4	12-14 x 3/4 TAPPING SCREW	11		2	8-18 x 5/8 TAPPING SCREW
8		2	1/4-20 x 3/4 HEX CAP SCREW G5	12	49305K	1	PRO-GRIP MOUNT KIT
9		2	1/4-20 HEX NUT G5				
NS = Not Shown							

For a list of abbreviations, see page 4.

MVP® SNOWPLOW ASSEMBLY PARTS LIST

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Electrical Component Diagrams and Parts List



ELECTRICAL COMPONENTS

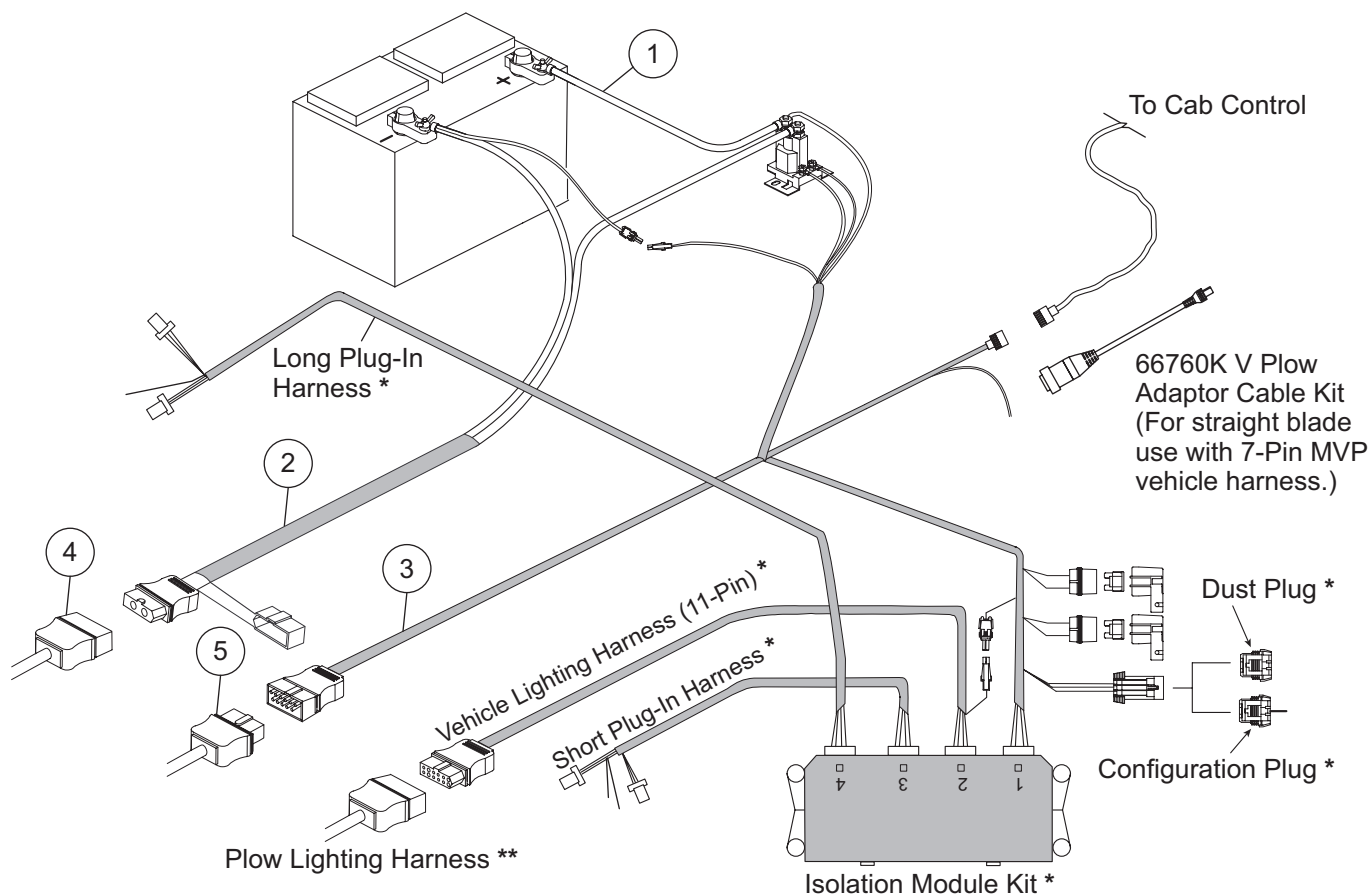
1	91055	2	M6X1.00X25 HEX CAP SCREW G8.8	125	66130	4	RUBBER GROMMET
2	91056	2	M6X1.00 HEX NUT G10	127	56131K	1	MOTOR RELAY KIT
3	91057	2	M6 FLAT WASHER	129	56099	1	DIELECTRIC GREASE TUBE-.25 oz.
14	61548K	1	PLUG COVER KIT		49326	1	DIELECTRIC GREASE TUBE-2 oz.
20	56496	1	V-PLOW CONNECTOR, BAGGED ASSEMBLY	131	56558	2	1/2 FLAT WASHER SPECIAL
21	66767	1	PIN REMOVAL TOOL ASSY	132	56595	7	ANCHOR, CABLE TIE
NS	22123	1	SIGNAL CONTACT, PACKAGE OF 10	133	59223	24	CABLE TIE
120	91242	2	10 SPRING LOCK WASHER	134	61246	1	CABLE BOOT
121	91402	2	10-32 HEX MACHINE SCREW NUT	136	90461	2	1/4-20-X3/4 HEX CAP SCREW G5
122	91202	2	5/16 SPRING LOCK WASHER	137	90311	2	1/4 FLAT WASHER
123	92842	2	5/16 HEX JAM NUT G5	138	91331	2	1/4-20 HEX LOCKNUT GB

For a list of abbreviations, see page 4.

MVP® SNOWPLOW ASSEMBLY PARTS LIST

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Harness Diagram and Parts List



* See Isolation Module Electrical System Parts List for part numbers.

** See Headlamp Kit Parts List for part number.

HARNESS COMPONENTS			
Item	Part	Qty	Description
1	22511	1	BATTERY CABLE 22" RED
2	63411	1	VEHICLE BATTERY CABLE
3	26346	1	VEHICLE CONTROL HARNESS 7-PIN
4	21294	1	PLOW BATTERY CABLE
5	26358	1	PLOW CONTROL HARNESS 7-PIN
NS	27067W	1	REPLACEMENT HARNESS END 7-PIN VEHICLE SIDE

For a list of abbreviations, see page 4.



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

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