



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

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



8-1/2' Blade and A-Frame No. 62600
Lift Box No. 62650
Hydraulics Box No. 66587
Headlamp Kit No. 66640

April 5, 2004

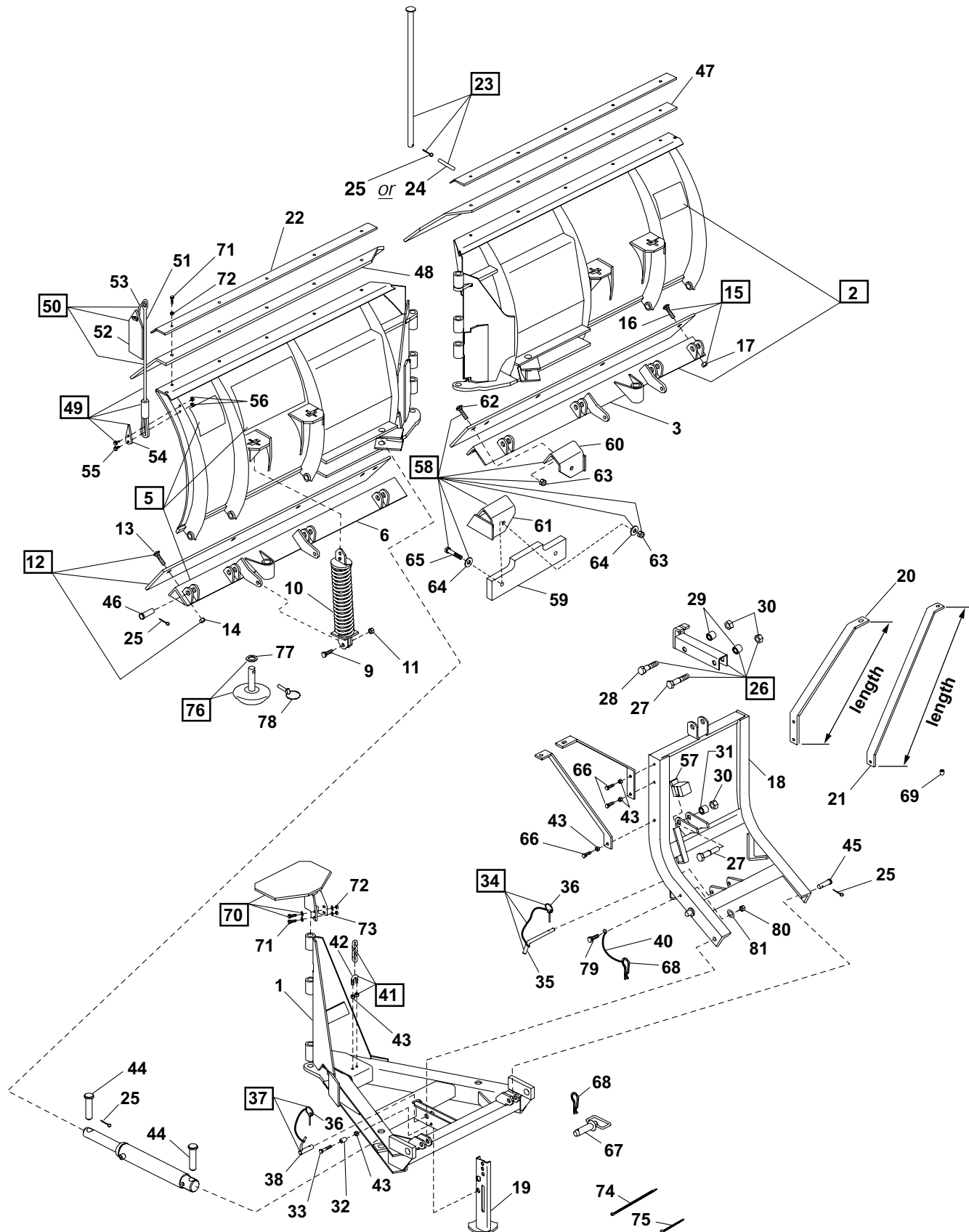
8-1/2' MVP® Snowplow Assembly Parts List

**These pages cover service parts lists for the
Blade and A-Frame, Lift Box, Hydraulics Box,
and Headlamp Kit for the MVP® Snowplow.**

**See the MVP® Snowplow Vehicle and Plow Mount
Parts Lists for parts in the Mount Assembly Box.**

MVP® SNOWPLOW ASSEMBLY PARTS LIST

BLADE AND A-FRAME NO. 62600 & LIFT FRAME BOX NO. 62650



MVP® SNOWPLOW ASSEMBLY PARTS LIST

BLADE AND A-FRAME NO. 62600 & LIFT FRAME BOX NO. 62650

ITEM	PART NO.	QTY.	DESCRIPTION
1	62601	1	A-FRAME U V
2	62645	1	WING - PS
3	. 64030	1	BASE ANGLE - PS
5	62652	1	WING - DR
6	. 64029	1	BASE ANGLE - DS
9	91003	4	7/16-14 .50X1.5 HX SH BLT G5 ZYC
10	21452	4	REMOVABLE SPRING ASSEMBLY
11	90353	4	7/16-14 PT HX LKNUT TI ZYC
12	62649	1	CUTTING EDGE ASSY MVP DS
13	. 90238	5	1/2-13X1-3/4 CB G8 BPO
14	. 91335	5	1/2-13 PT HX LK NUT NYIS ZYC
15	63284	1	CUTTING EDGE ASSY MVP PS
16	. 90238	5	1/2-13X1-3/4 CB G8 BPO
17	. 91335	5	1/2-13 PT HX LK NUT NYIS ZYC
18	62620	1	LIFT FRAME U V
19	61353	1	STAND
20	61552	2	LIGHT BRACKET TOP (22" Length)
	or		
	63583	2	LIGHT BRACKET TOP (15-3/4 Length)
21	61553	2	LIGHT BRACKET BOTTOM (27" Length)
	or		
	63584	2	LIGHT BRACKET BOTTOM (21" Length)
22	21618	2	V-PLOW BOLTING BAR
23	62638	1	PIVOT PIN KIT
24	. 26463	1	1/4"X2" SPRING PIN
	or		
25	. 91911	1	5/32X1-1/2 COTTER PIN ZYC
	91911	14	5/32X1-1/2 COTTER PIN ZYC
26	62643	1	LIFT CHANNEL KIT U V
27	. 63208	1	3/4-10X3-3/4 HX CS G5 ZYC
	63208	1	3/4-10X3-3/4 HX CS G5 ZYC
28	. 63207	1	3/4-10X3-1/4 HX CS G5 ZYC SPL
29	. 63211	2	SPACER .758 ID X1.0 OD X.5 LG
30	. 91339	2	3/4-10 PT HX JAM LK NUT NYIS ZYC
	91339	1	3/4-10 PT HX JAM LK NUT NYIS ZYC
31	63212	1	SPACER .758 ID X1.0 OD X.69 LG
32	61487	1	SPACER .56 OD X.39 ID X.965 LG
33	90043	1	3/8-16X2 HX CS G5 ZYC
34	63585	1	STAND PINASSEMBLY
35	. 93033K	1	PIN 1/2" X 5.5"
36	. 93042K	1	LINCH PIN 3/16"
37	63586	1	LOCK PINASSEMBLY
38	. 93034K	1	STAND LOCK PIN 5/8" X 2"
36	. 93042K	1	LINCH PIN 3/16"
40	63563	2	LANYARD .05X6
41	49033	1	REPLACEMENT CHAIN ASSY
42	. 90496	1	3/8-16 X 1-1/2 U-BOLT ZYC
43	. 91333	2	3/8-16 PT HX LK NUT NYIS ZYC
	91333	7	3/8-16 PT HX LK NUT NYIS ZYC
44	93077K	4	RIVET 1" X 4"
45	93040K	2	CLEVIS PIN
46	5523	8	3/4"X2-3/16" MACHINE PIN
47	62613	1	RUBBER DEFLECTOR PS
48	62614	1	RUBBER DEFLECTOR (LOGO) DS
49	59700	1	BLADE GUIDE ASSY
50	. 59697	2	BLADE GUIDE ROD, S-HOOK & FLAG
51	. . 59691	1	BLADE GUIDE ROD
52	. . 59694K	1	BLADE GUIDE FLAG
53	. . 59696	1	S-HOOK
*	. 59699	1	BOLT BAG ASSY
54	. . 59946	2	CLAMP
55	. . 90020	4	5/16-18X1 HX CS G2 ZYC
56	. . 91332	4	5/16-18 PT HX LK NUT NYIS ZYC
57	61246	1	CABLE BOOT

ITEM	PART NO.	QTY.	DESCRIPTION
58	62636	1	MVP CENTER FLAP KIT
59	. 63508	1	RUBBER FLAP
60	. 63509	1	PS MOUNTING PLATE WELDMENT
61	. 63510	1	DS MOUNTING PLATE WELDMENT
62	. 90238	4	1/2-13X1-3/4 CB G8 BPO
63	. 91335	6	1/2-13 PT HX LK NUT NYIS ZYC
64	. 91105	4	1/2 PLAIN WASHER TY A STD ZYC
65	. 90104	2	1/2-13X2-1/2 HX CS G5 ZYC
66	90040	6	3/8-16X1-1/4 HX CS G5 ZYC
67	93028K	2	HITCH PIN 1" X 3-1/2"
68	91965K	4	HAIRPIN COTTER 5/32"
69	61482	2	VINYL CAP 1/2X1/2
70	62635	1	CENTER DEFLECTOR ASSY
71	. 90020	4	5/16-18X1 HX CS G2 ZYC
	90020	10	5/16-18X1 HX CS G2 ZYC
72	. 91332	4	5/16-18 PT HX LK NUT NYIS ZYC
	91332	10	5/16-18 PT HX LK NUT NYIS ZYC
73	. 91102	8	5/16 PLAIN WASHER TY A STD ZYC
74	61536	3	CABLE TIE - LONG
75	59223	4	CABLE TIE
76	62637	2	DISC SHOE ASSY V
77	. 91109	5	WASHER - SPECIAL ZYC
78	. 93010K	1	LINCH PIN 7/16" X 1-3/4"
79	63571	2	1/4-20X3/4 WLF SCREW ZYC
80	91331	2	1/4-20 PT HX LK NUT NYIS ZYC
81	90311	2	1/4 FLAT WASHER

Parts listed above may be found in one of the following:

*	62646	1	BOLT BAG (62650)
*	62634	1	PARTS BAG ASSY (62650)

Service Parts Kit

*	61941K	1	UniMount® RETAINER PIN KIT (Includes items 36 & 68 quantities as shown)
*	63540	1	MVP KIT - WEAR EDGES (Includes items 12, 15, & 58 quantities as shown)
*	28547	1	BLADE LABEL KIT, UniMount
*	28407	1	CUTTING EDGE KIT - SINGLE, 1/2" THICK (OPTIONAL ACCESSORY)
*	28409	1	CUTTING EDGE KIT / CENTER FLAP KIT - 1/2" THICK (OPTIONAL ACCESSORY)

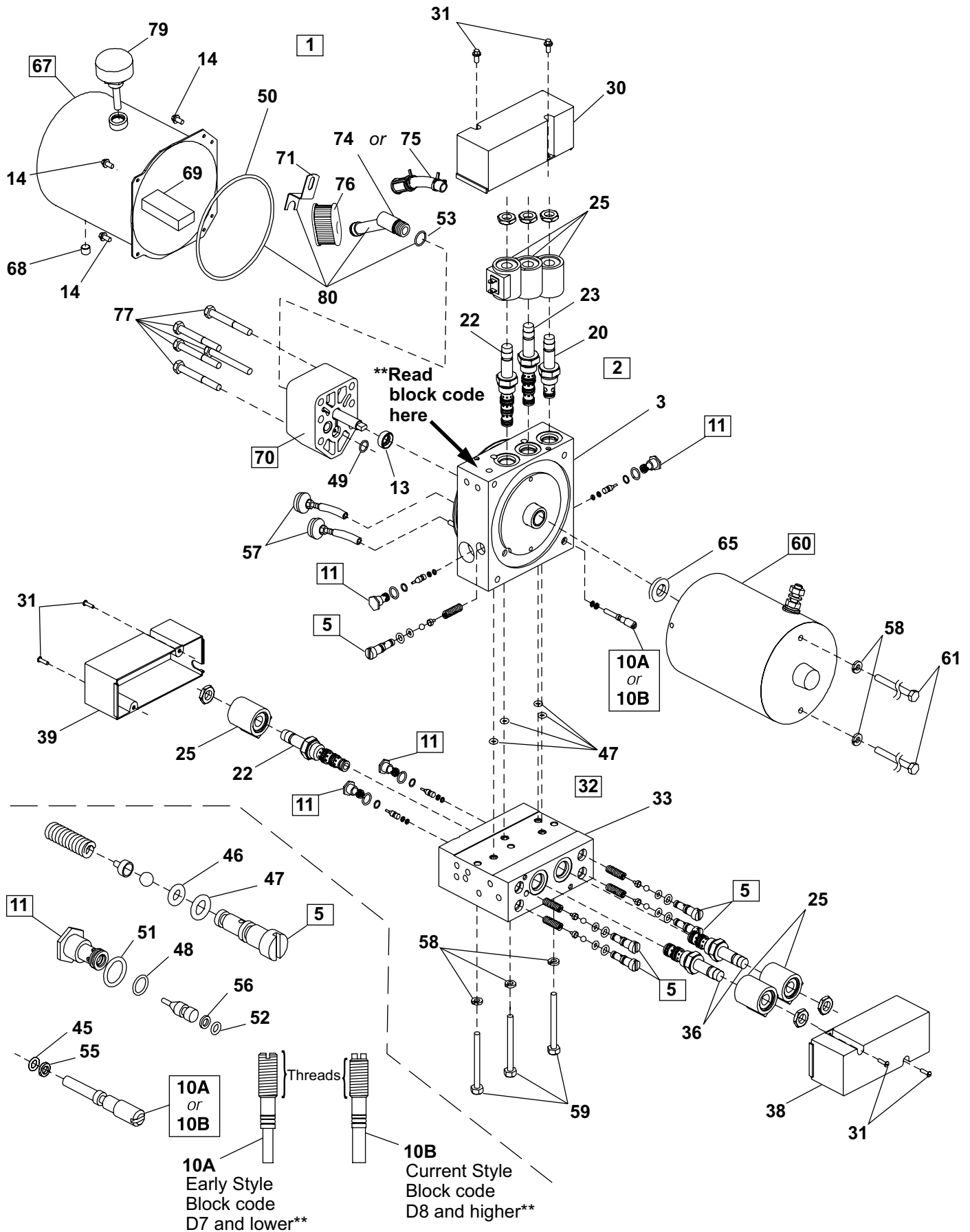
* Not Shown.

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

For a list of abbreviations, see page 4.

MVP® SNOWPLOW ASSEMBLY PARTS LIST

HYDRAULICS BOX NO. 66587



MVP® SNOWPLOW ASSEMBLY PARTS LIST

HYDRAULICS BOX NO. 66587

ITEM	PART NO.	QTY.	DESCRIPTION
1	66780	1	HYDRAULIC UNIT - MVP
2	66774	1	PRIMARY VALVE MANIFOLD ASSY W/ CARTRIDGES, COILS, COVERS
3	66776	1	PRIMARY MANIFOLD ASSY W/O CARTRIDGES, COILS, COVERS
(Both Primary Manifold Assemblies include item 47 (4), 49 (1), 50)			
5	49138K	1/2	RELIEF VALVE KIT - 2 SETS
10A	66509	1	QUILL ASSY
or			
10B	56662	1	QUILL ASSY
11	66785	2	PILOT - CHECK VALVE KIT
13	66515	1	PUMP SHAFT SEAL
14	66607	4	#10-24X5/16 MACHINE SCREW
20	49227K	1	CARTRIDGE 20 W/JAM NUT
*	49258	1	SEAL KIT - CARTRIDGE 20
22	49229K	1	CARTRIDGE 40 W/JAM NUT
23	66783K	1	CARTRIDGE 43 W/JAM NUT
*	49259	1	SEAL KIT - CARTRIDGE 30, 31, 33, 40, 43
25	49230K	3	COIL W/SPADE TERMINALS
30	66396	1	COVER ASSY V-PLOW 4-4-2
31	90650	2	#8-32X1/2 TORX HXW TCTS TY D ZYC
32	66786	1	SECONDARY VALVE MANIFOLD ASSY W/ CARTRIDGES, COILS, COVERS
33	66772	1	SECONDARY MANIFOLD ASSY W/O CARTRIDGES, COILS, COVERS
(Both Secondary Manifold Assemblies include item 47 (4))			
5	49138K	2	RELIEF VALVE KIT - 2 SETS
11	66785	2	PILOT - CHECK VALVE KIT
36	49228K	2	CARTRIDGE 30 W/JAM NUT
22	49229K	1	CARTRIDGE 40 W/JAM NUT
*	49259	1	SEAL KIT - CARTRIDGE 30, 31, 33, 40, 43
25	49230K	3	COIL W/SPADE TERMINALS
38	66397	1	COVER ASSY V-PLOW 3-3
39	66398	1	COVER ASSY V-PLOW 4 WAY
31	90650	4	#8-32X1/2 TORX HXW TCTS TY D ZYC
*	56657	1	O-RING AND BACK-UP RING KIT - SOL
(For Primary and Secondary Manifold Relief Valves, Check Valves and Quill Assembly. Above listed Kits include back-up and o-rings.)			
45	25622	1	O-RING -006
46	55371	5	O-RING -008, 90 DUROMETER (black)
47	25731	9	O-RING -010
48	66627	4	O-RING -011
49	56274	1	O-RING -013
50	66519	1	O-RING 2-250
51	56569	4	O-RING -906
52	56776	4	O-RING -008, RED, 70 DUROMETER
53	56416	1	O-RING -014
55	56315	1	BACK-UP RING -006
56	66628	4	BACK-UP RING -008
57	66405	2	RETURN SCREEN ASSY
58	91201	3	1/4" SP LK WASHER ZYC
59	66597	3	1/4-20X2-1/2 HX CS G5 ZYC
60	21500	1	MOTOR ASSY 4-1/2"
(See next page for motor service parts)			
67	66631	1	RESERVOIR KIT MVP (Kit includes Items 14 (4), 50)
68	92095	1	PLUG 1/4 NPTF HX SO THREAD SEAL
69	73897	1	MAGNET
70	21501	1	HYD PUMP KIT - FS
74	66763	1	INLET FITTING/FILTER KIT (Kit includes 49, 50, 53)
80	28479	1	INLET FITTING KIT
71	-	1	RETAINER CLIP
75	66599	1	PICK-UP TUBE ASSY (Early pumps with hose clamps—includes Item 76)
76	56789	1	SUCTION FILTER KIT
77	90073	5	5/16-18X2-1/4 HEX CAP SCREW G5
79	66525	1	RESERVOIR FILLER BREATHER PLUG

* Not Shown.

Parts furnished in the hydraulics box and installed on the vehicle are shown in the mount box instructions.

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

Quantities shown are included with the assembly.

Abbreviation Key

AD	Adapter	OM	Owner's Manual
AFB	Ampere, Fast Blow	OP	Operational
ASSY	Assembly	PC	Printed Circuit
BPO	Black Phosphate & Oil	PH	Cross Recessed (Phillips Head)
BZP	Black Zinc Plate	PN	Pan
CB	Carriage Bolt	PS	Passenger Side
CS	Cap Screw	PT	Prevailing Torque
CU	Curb Side	RD	Round
CYL	Cylinder	SAE	Society of Automotive Engineers
DA	Double-Acting	SH BLT	Shoulder Bolt
DR	Driver Side	SL	Slotted
DS	Driver Side	SO	Socket Head
EA	Each	SOL	Solenoid
ELL	Elbow	SP	Spring
F	Female	SPDT	Single Pole Double Throw
FS	FloStat® Hydraulic System	SPL	Special
G	Grade	STD	Standard
HD	Heavy Duty	STS	Stainless Steel
HX	Hex	SYS	System
HXW	Hex Washer	TCTS	Thread Cutting Tapping Screw
HYD	Hydraulic	TFTS	Thread Forming Tapping Screw
ID	Inside Diameter	TI	Thread Interference
INST	Installation Instructions	TY	Type
LG	Long	U	UniMount® System
LK	Lock	V	MVP
MS	Machine Screw	W/	With
MVP	Multiposition V Plow	WLF	Whiz-Lock Flange
NPSM	National Pipe Straight Thread for Mechanical Joints	W/O	Without
NPTF	National Pipe Thread (Fluid)	WP	Western Products
NYIS	Nylon Insert	ZYC	Zinc Yellow Chromate
OD	Outside Diameter		

MVP® SNOWPLOW ASSEMBLY PARTS LIST

HYDRAULICS BOX NO. 66587

Motor Manufacturer Identification and Service Parts

Photos show terminal positions and end caps for brand identification.
(Motors shown with flanges. Flanges are not used in MVP® applications.)



Bosch 1 Terminal (Early)

ITEM	PART NO.	QTY.	DESCRIPTION
*	21548	1	BRUSH KIT - BOSCH 1 TERMINAL
61	21508	2	CS HX 1/4-20 X 6-1/4 G5 ZYC
58	91201	2	WASHER SP LK 1/4
65	21535	1	WASHER, FIBER THRUST 5/8 (drive end)
*	56397	1	BOLT BAG ASSY GROUND HARDWARE



Bosch 2 Terminal

ITEM	PART NO.	QTY.	DESCRIPTION
*	56620	1	BRUSH KIT - BOSCH 2 TERMINAL
61	21508	2	CS HX 1/4-20 X 6-1/4 G5 ZYC
58	91201	2	WASHER SP LK 1/4
65	21535	1	WASHER, FIBER THRUST 5/8 (drive end)

* Not Shown.

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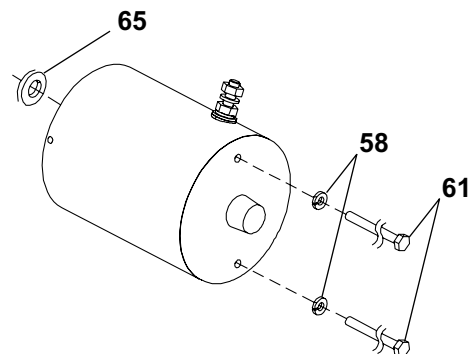
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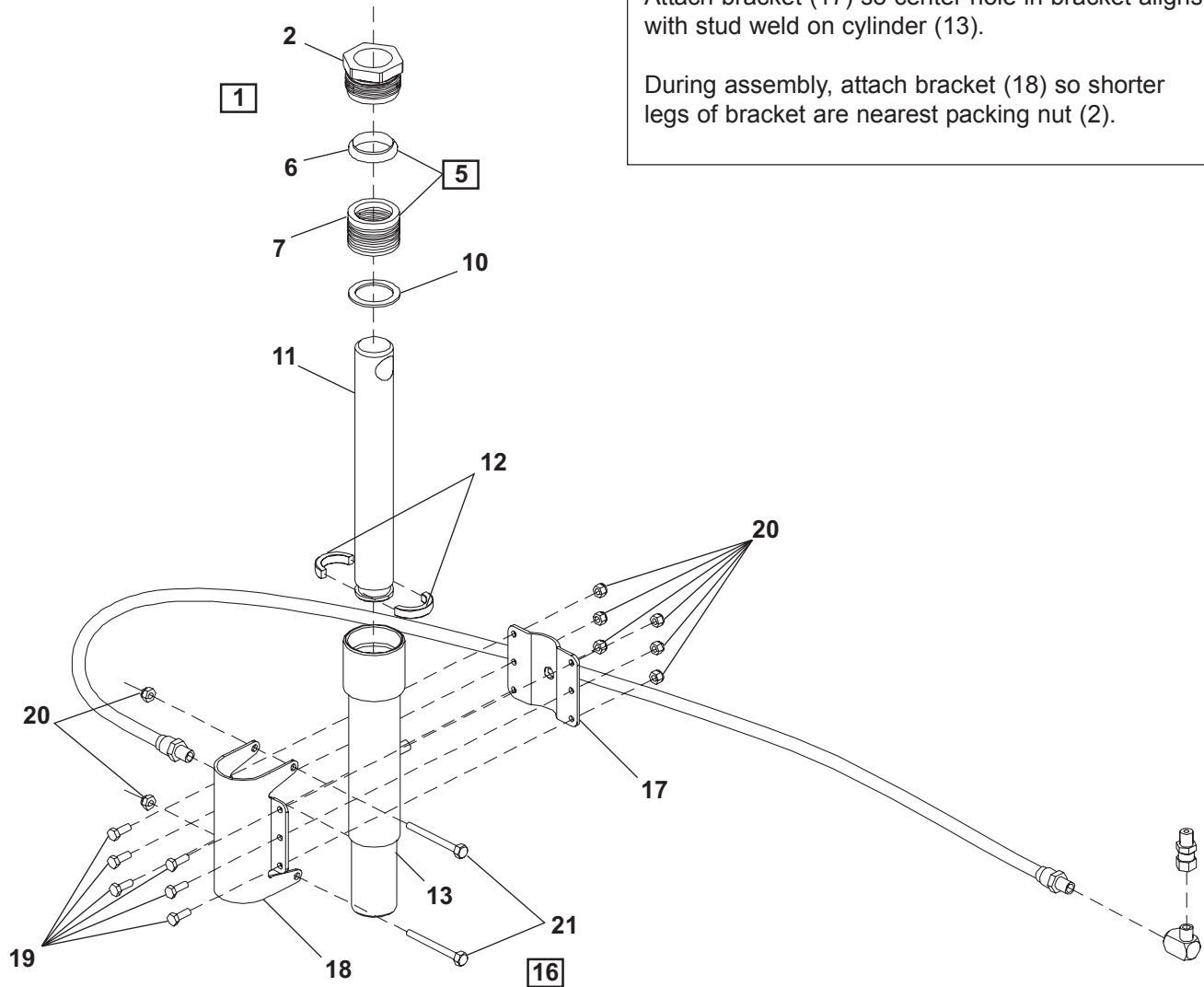
Prestolite 2 Terminal

ITEM	PART NO.	QTY.	DESCRIPTION
*	56638	1	END CAP W/ O-RING - PRESTOLITE 2 TERMINAL
*	56622	1	BRUSH KIT - PRESTOLITE 2 TERMINAL
61	56621	1	THRU-BOLT KIT - PRESTOLITE 2 TERMINAL (Includes cap screws and special washers)
65	56641	1	THRUST WASHER KIT - PRESTOLITE 2 TERMINAL (Includes retaining ring for early production)



MVP® SNOWPLOW ASSEMBLY PARTS LIST

HYDRAULICS BOX NO. 66587



ITEM	PART NO.	QTY.	DESCRIPTION
1	66722	1	RAM ASSY 1-1/2" X 8"
2	. 25944K	1	PACKING NUT 1-1/2"
5	. 25205K	1	PACKING SET W/WIPER 1-1/2"
6	. . 55137	1	WIPER RING 1-1/2"
7	. . 55136	1	PACKING SET 1-1/2"
10	. 91167	1	WASHER - SPECIAL
11	. 56534	1	PLUNGER 1-1/2" X 8" RAM
12	. 62290	2	SPLIT BEARING 1-1/2"
13	. 66721	1	CYLINDER 1-1/2" X 8"
16	66778	1	MOUNTING BRACKET KIT (WP)
17	. 56504	1	CYLINDER MOUNT BRACKET
18	. 67387	1	CYLINDER MOUNT BRACKET

ITEM	PART NO.	QTY.	DESCRIPTION
19	. 90461	6	1/4-20X3/4 HX CS G5 ZYC
20	. 91331	8	1/4-20 PT HX LK NUT NYIS ZYC
21	. 90010	2	1/4-20X2-3/4 HX CS G5 ZYC

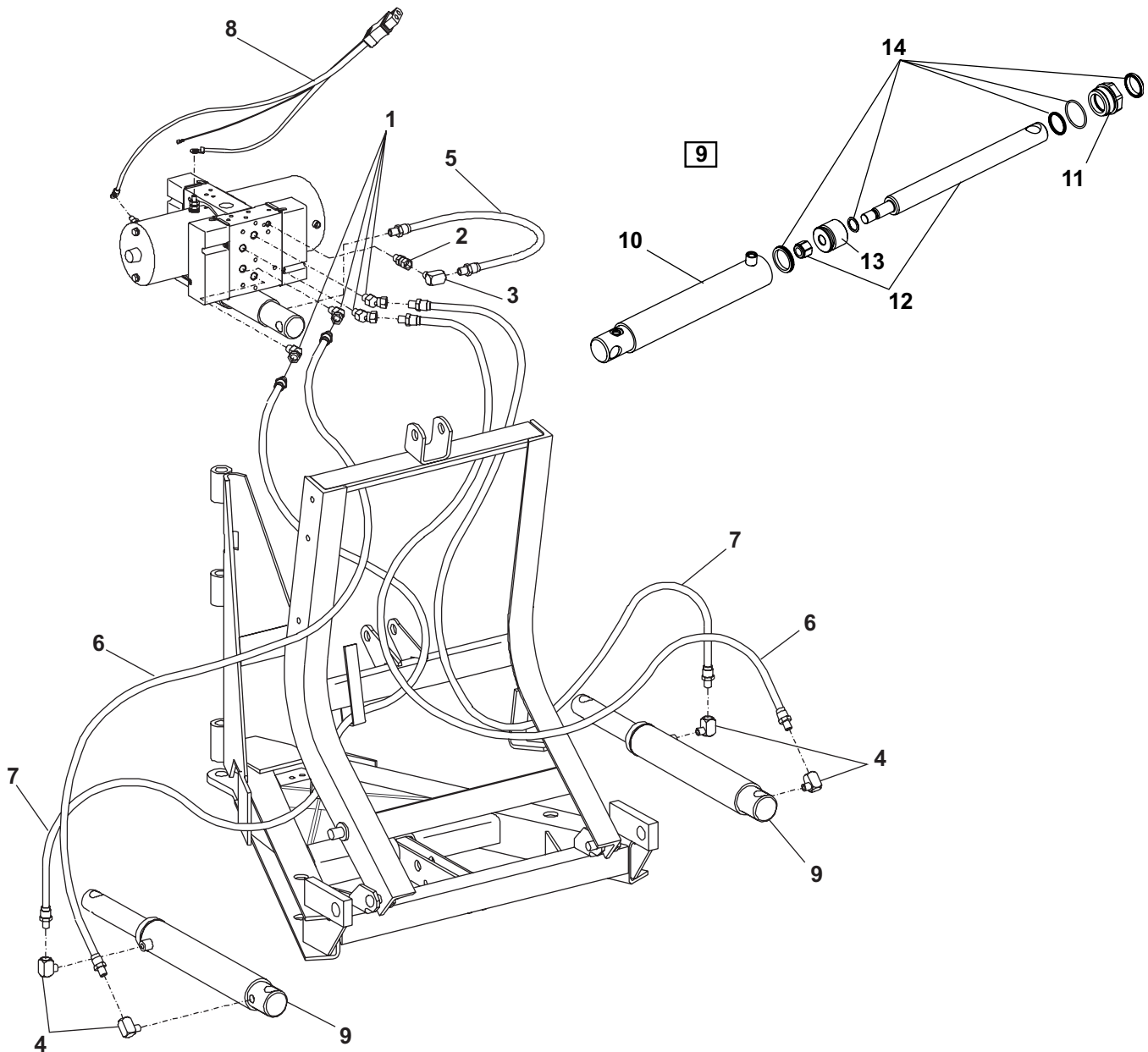
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MVP® SNOWPLOW ASSEMBLY PARTS LIST

HYDRAULICS BOX NO. 66587



ITEM	PART NO.	QTY.	DESCRIPTION
1	92190K	4	SWIVEL HOSE FITTING 1/4" X 45 DEG
2	66562K	1	STRAIGHT UNION ADAPTER KIT
3	92210K	1	STREET ELBOW 1/4" X 90 DEG
4	56539K	4	ELBOW, 90F -6 O-RING-1/4 NPTF
5	56224K	1	1/4 X 18 PRESSURE HOSE KIT
6	4424K	2	1/4 X 36 HIGH PRESSURE HOSE KIT
7	55020K	2	PRESSURE HOSE 1/4" X 38"
8	66624	1	PLOW CABLE ASSEMBLY

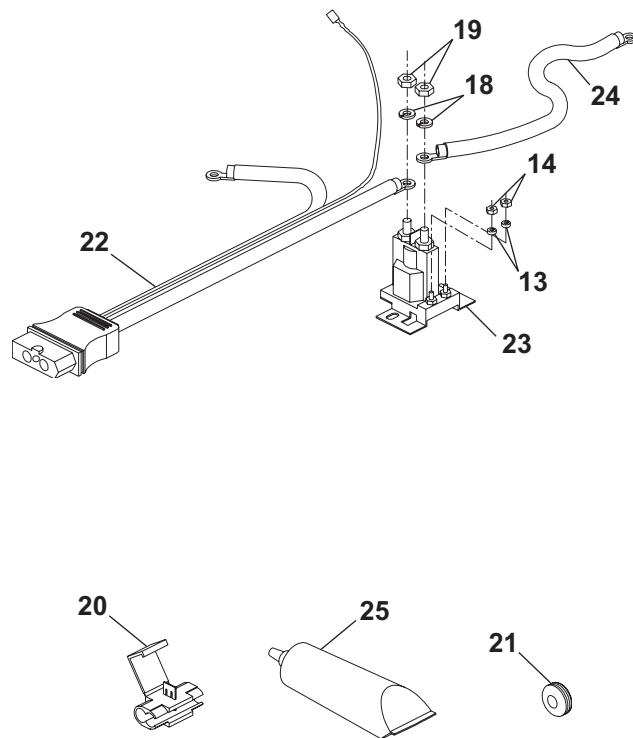
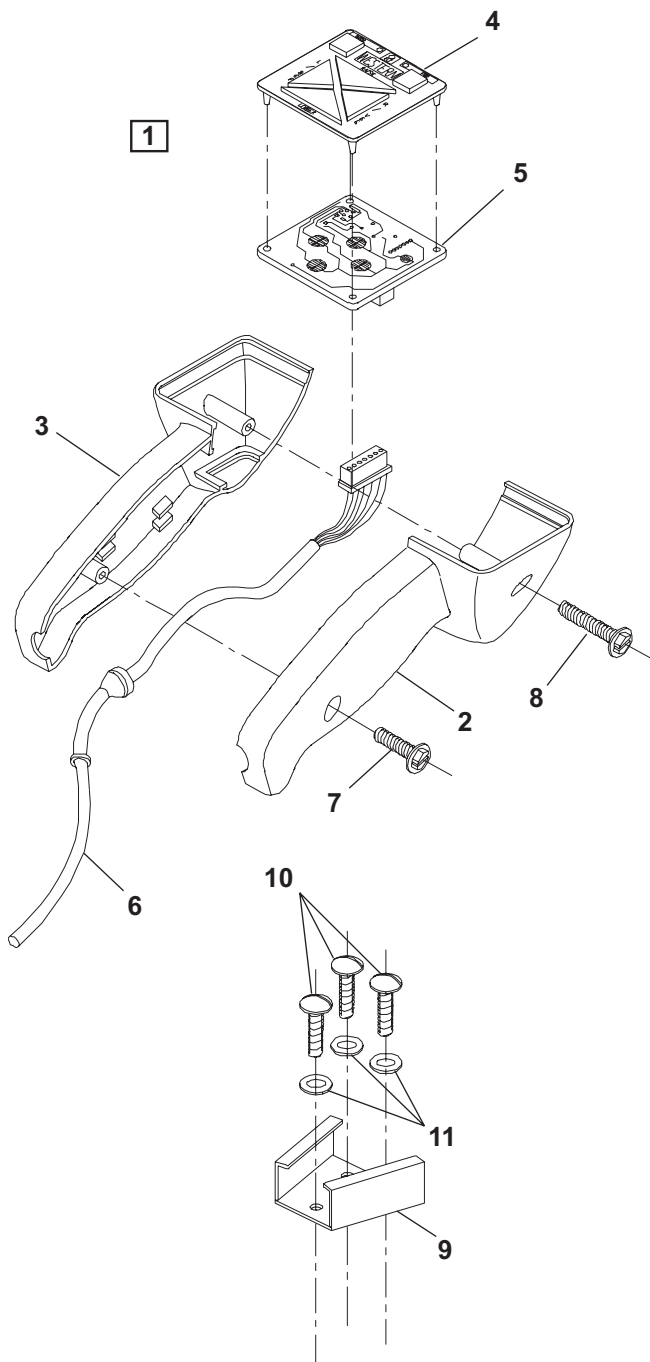
ITEM	PART NO.	QTY.	DESCRIPTION
9	56709W	1	KIT, DA RAM 2X10 (includes 4 of item 4)
10	64311	1	2X10 DA CYL WELDMENT KIT
11	56579	1	GLAND NUT POLYPAC SEAL
12	66394	1	2X10 DA CYLINDER ROD KIT
13	56677	1	SEAL KIT W/ PISTON, 2" DA RAM
14	56669	1	SEAL KIT 2" DA RAM

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MVP® SNOWPLOW ASSEMBLY PARTS LIST

HYDRAULICS BOX NO. 66587



ITEM	PART NO.	QTY.	DESCRIPTION
1	66635	1	HAND-HELD CONTROL (MVP)
2	49320	1	CONTROL BODY-RIGHT
3	49321	1	CONTROL BODY-LEFT
4	66792	1	KEYPAD ASSEMBLY (MVP)
5	66793	1	PC BOARD ASSEMBLY (MVP) SERVICE
6	66633	1	HARNESS V PLOW COIL CORD
7	93173	1	#8-18X3/4 SL HXW Tfts HILO
8	93174	1	#8-18X1-1/4 SL HXW Tfts HILO
*	69190	1	FUSE KIT V PLOW PKG OF 5
9	56436	1	CONTROL BRACKET

ITEM	PART NO.	QTY	DESCRIPTION
10	80135	3	#6X1 PH PN TCTS TY F ZYC
11	91230	3	#6 SP LK WASHER ZYC
*	91098	2	#10 PLAIN WASHER TY A ZYC
13	91242	2	#10 SP LK WASHER BZP
14	91402	2	#10-32 HX NUT ZYC
*	90002	2	1/4-20-X3/4 HX CS G2 ZYC
*	91101	2	1/4 PLAIN WASHER TY A STD ZYC
*	91331	2	1/4-20 PT HX LK NUT NYIS ZYC
18	91202	2	5/16 SP LK WASHER ZYC
19	92842	2	5/16-24 HX JAM NUT ZYC
20	59114	1	SELF STRIP WIRE CONNECTOR
21	66130	1	RUBBER GROMMET
22	66623	1	VEHICLE CABLE ASSEMBLY
23	56131K	1	MOTOR RELAY KIT
24	22511	1	BATTERY CABLE 22" RED
	20681	1	50" BATTERY CABLE
25	56099	1	DIELECTRIC GREASE TUBE
			.25 oz. SIZE
	49326	1	WESTERN DIELECTRIC GREASE
			TUBE 2 oz.
*	66760K	1	V PLOW ADAPTOR CABLE KIT
			(For straight blade use with MVP vehicle harness.)

* Not Shown.

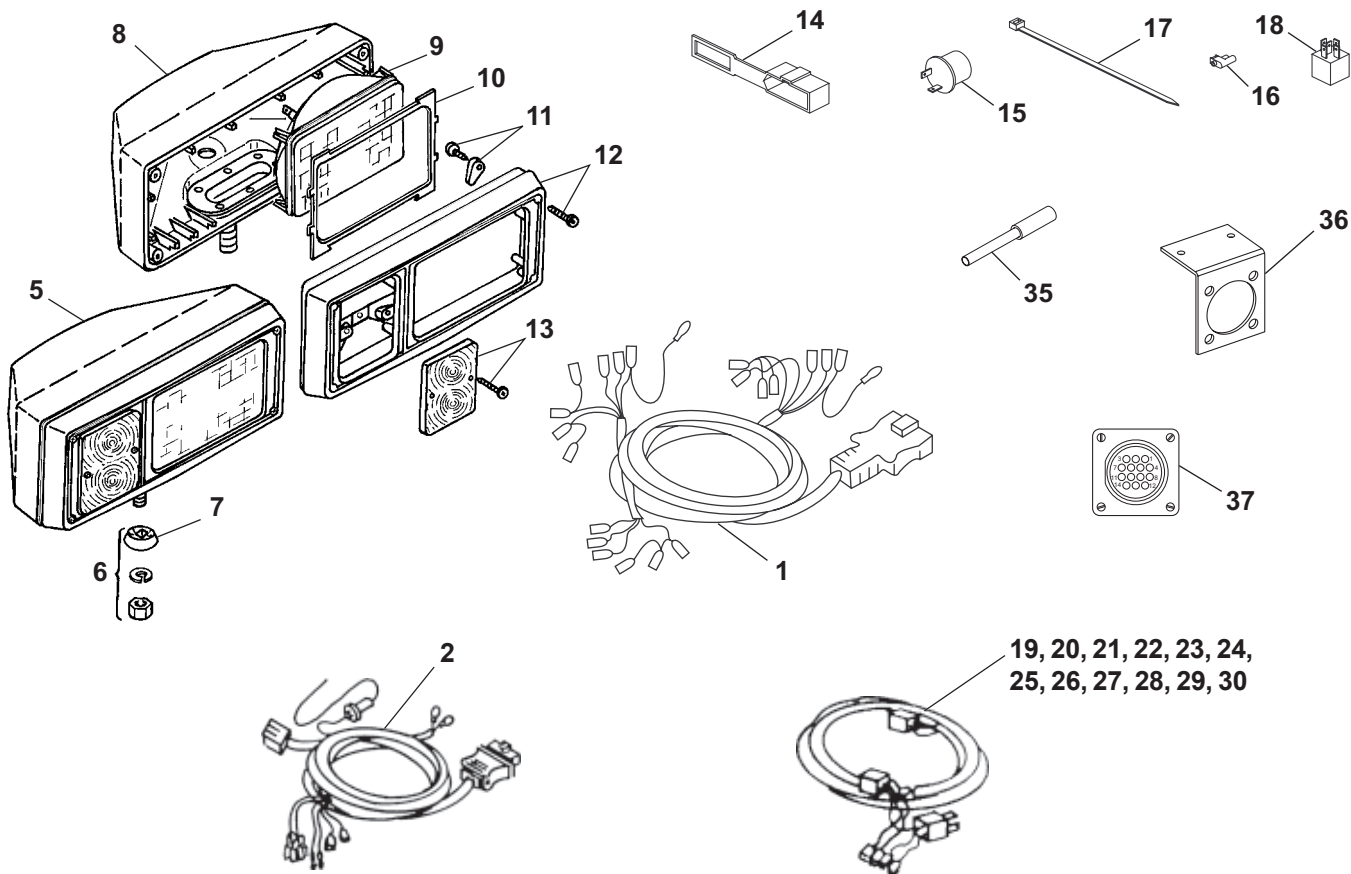
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MVP® SNOWPLOW ASSEMBLY PARTS LIST

HEADLAMP KIT NO. 66640-1



ITEM	PART NO.	QTY.	DESCRIPTION
1	66611	1	PLOW HARNESS 12-PIN V
2	66610	1	VEHICLE HARNESS KIT 12-PIN
*	61543	1	HEADLAMP PAIR (W/O Plow Harness)
	61541	1	HEADLAMP DR
5	61542	1	HEADLAMP CU
6	49151	1	SWIVEL AND HARDWARE ASSY
7	49012	1	HEADLAMP SWIVEL
8	49298	1	HEADLAMP HOUSING ASSY (Fits DS or PS)
9	49297	1	REPLACEMENT SEALED BEAM (2E1)
10	49210	1	HEADLAMP GASKETS (1 Pair)
11	49201	1	RETAINING FINGER & FASTENER (4 each)
12	49203	1	BEZEL W/FASTENERS (Fits DS or PS)
13	49202	1	PARK/TURN LENS W/FASTENERS
*	49262	1	PARK/TURN REPLACEMENT SOCKET
**		4	PARK/TURN SIGNAL BULB - (Trade Number 1157)
14	61548K	2	PLUG COVER KIT
15	60109	1	FLASHER HD
16	59224	3	BULLET RECEPTACLE CONNECTOR
17	59223	8	CABLE TIE
18	61535K	1	RELAY KIT
†19	26009	1	PLUG-IN HARNESS HB-1(9004) -F
†20	26027	1	PLUG-IN HARNESS HB-5/HB-1 -F
†21	26071	1	PLUG-IN HARNESS HB-3&4 -F
†22	61546	1	PLUG-IN HARNESS 2B/2D
†23	61571	1	PLUG-IN HARNESS HB-1(9004) -A

ITEM	PART NO.	QTY.	DESCRIPTION
†24	61581	1	PLUG-IN HARNESS LF & UF -A
†25	61591	1	PLUG-IN HARNESS HB-5 -A
†26	61716	1	PLUG-IN HARNESS HB-3 & HB-4 -A
†27	62526	1	PLUG-IN HARNESS HB-1(9004) -C
†28	22241	1	PLUG-IN HARNESS KIT 1A & 2A -C
†29	62511	1	PLUG-IN HARNESS 2B/2D LG -A
†30	63413	1	PLUG-IN HARNESS HB-5 -G
35	66767	1	PIN REMOVAL TOOL ASSY
36	66634	1	BRACKET V-PLOW VEHICLE HARNESS
37	56497	1	CONNECTOR HSG, 14 PIN
*	22123	1	SIGNAL CONTACT, PACKAGE OF 10

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

*	66639	1	CARTON ASSY LOOSE PARTS
*	66641	1	BOLT BAG ASSY LARGE
*	66404	1	BOLT BAG SMALL (All parts in this bag are used on the vehicle installation.)

* Not Shown.

** Not a service part.

† Item not part of the headlight kit 66640-1. Must be ordered separately according to vehicle application.

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MILWAUKEE, WI 53224-9538

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

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