

SECTION 9

POLY TRIP EDGE SNOW PLOW

MODELS: 7802, 7902

PLOW COMPONENTS

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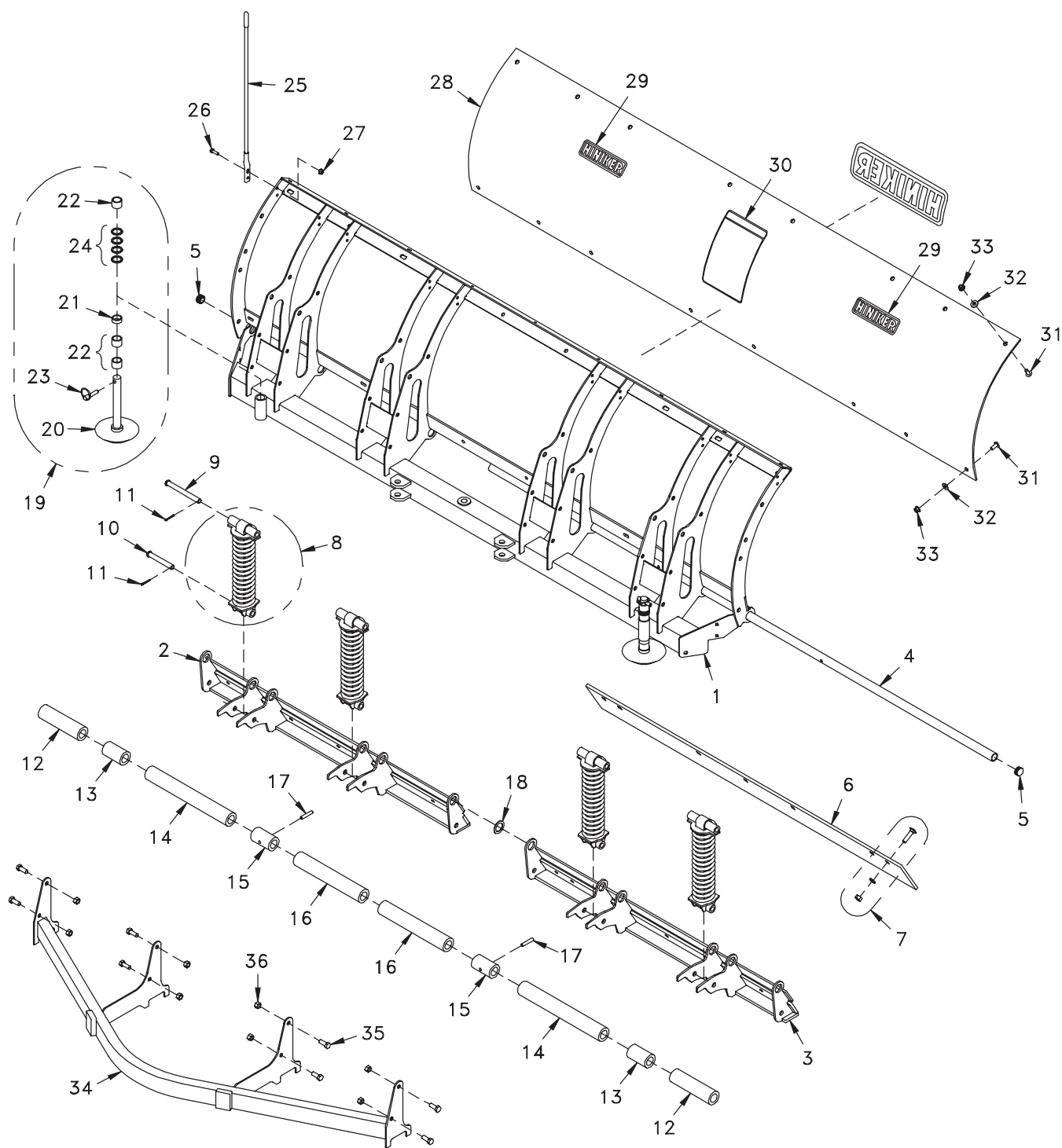
HYDRAULIC COMPONENTS

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MOLDBOARD ASSEMBLY



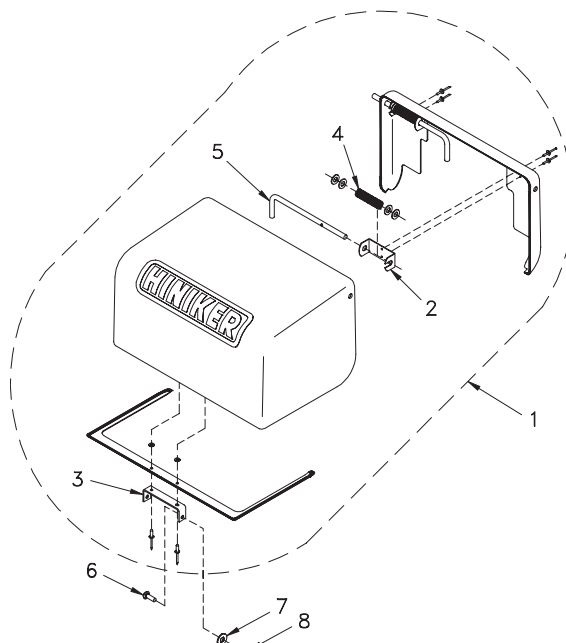
SECTION
9

25012982 8' Moldboard Assembly
25012984 9' Moldboard Assembly

DWG. NO. 5664C

				POLY TRIP EDGE PLOW 7802-7902			
REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	25011810	8 Ft. Frame Weldment (Models 7802/7801 Only)	1	17	30009024	Slotted Spring Pin 3/8 x 2	2
	25011811	9 Ft. Frame Weldment (Models 7902/7901 Only)	1	18	952-004-058	Machine Bushing 1 9/32 x 1 7/8 x .075	1
2	25011597	8 Ft. LH Trip Edge Weldment (Models 7802/7801 Only)	1	19	25011487	Cast Iron Skid Assembly	2
	25011596	9 Ft. LH Trip Edge Weldment (Models 7902/7901 Only)	1	20	25011478	Cast Iron Skid Shoe	2
3	25011598	8 Ft. RH Trip Edge Weldment (Models 7802/7801 Only)	1	21	25010048	1/2" Skid Spacer	2
	25011595	9 Ft. RH Trip Edge Weldment (Models 7902/7901 Only)	1	22	25010049	1" Skid Spacer	6
4	25012625	Trip Pin 8 Ft	1	23	25010319	Klik Pin	2
	25012629	Trip Pin 9 Ft	1	24	952-004-071	Machine Bushing 1 5/32 x 1 1/2 x .134	8
5	25012375	End Cap	2	25	25010118	Red Blade Guide	2
6	25011326	48" Cutting Edge For 8' Plow	2	26	950-001-113	Hex Head Cap Screw 5/16-18 x 3/4 Gr. 5	4
	25011328	54" Cutting Edge For 9' Plow	2	27	951-005-036	Lock Nut 5/16-18 Mac Lock	4
7	25011578	Cutting Edge Bolt Kit	1	28	25012193	Moldboard Blank/Logo Decal Assy-8 Ft. Plow	1
8	25011373	Spring Assembly	4		25012194	Moldboard Blank/Logo Decal Assy-9 Ft. Plow	1
9	953-002-045	Clevis Pin 5/8 x 6	4	29	25011684	Hiniker Decal	2
10	953-002-044	Clevis Pin 5/8 x 4 3/8	4	30	25013502	Snowplow Removal Decal	1
11	035-42033	Cotter Pin 5/32 x 1 1/4	8	31	700-11704	Machine Screw 3/8-16 x 1 Slotted Truss Head	16
12	25011641	Bushing 7 7/16" Long Poly-8 Ft Poly	2	32	952-002-013	Flat Washer 3/8 Inch Stainless Steel	16
	25011642	Bushing 13 7/16" Long Poly-9 Ft Poly	2	33	951-005-003	Lock Nut 3/8-16 Mac Lock	16
13	25011338	Bushing 3 3/8" Long Poly	2	34	25011613	Quadrant Weldment	1
14	25011643	Bushing 15 7/16" Long Poly	2	35	950-001-111	Hex Head Cap Screw 1/2-13 x 1 1/4 Gr. 5	8
15	25011341	Bushing 3 3/8" Long Steel	2	36	10304	Lock Nut 1/2-13 2-Way	8
16	25011644	Bushing 12 13/32" Long Poly	2				

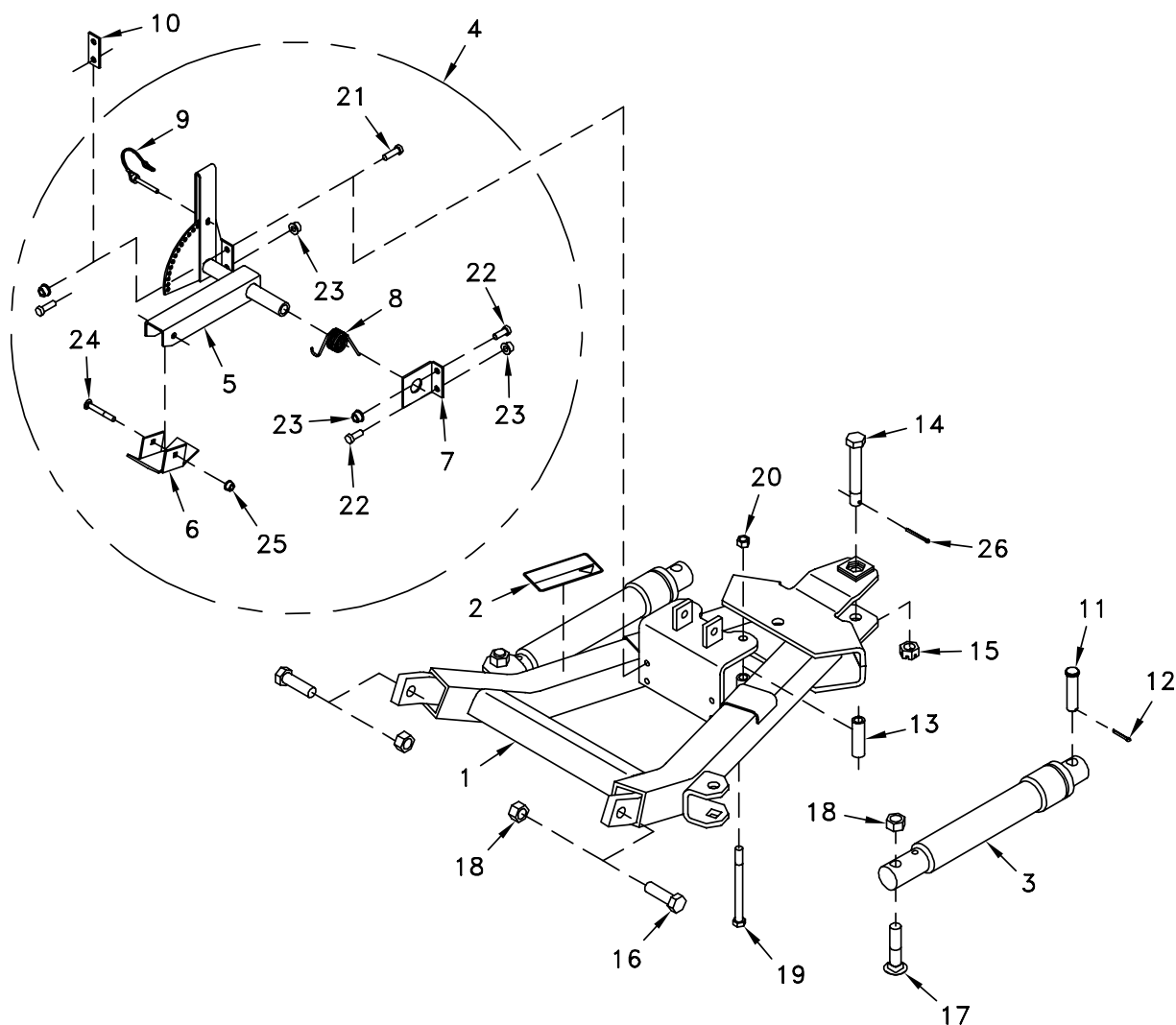
POWER UNIT COVER ASSEMBLY



DWG. NO. 5559

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	25011070	Cover Assembly (Includes Items 2-5)	1	5	25011071	Rod	2
2	25011073	Clevis	2	6	031-10657	Machine Screw 1/4-20 x 3/4 Slotted Round Head	2
3	25011072	Clevis	1	7	952-002-011	Flat Washer 1/4	2
4	25010717	Compression Spring	2	8	060954	Lock Nut 1/4-20 Nylon Insert	2

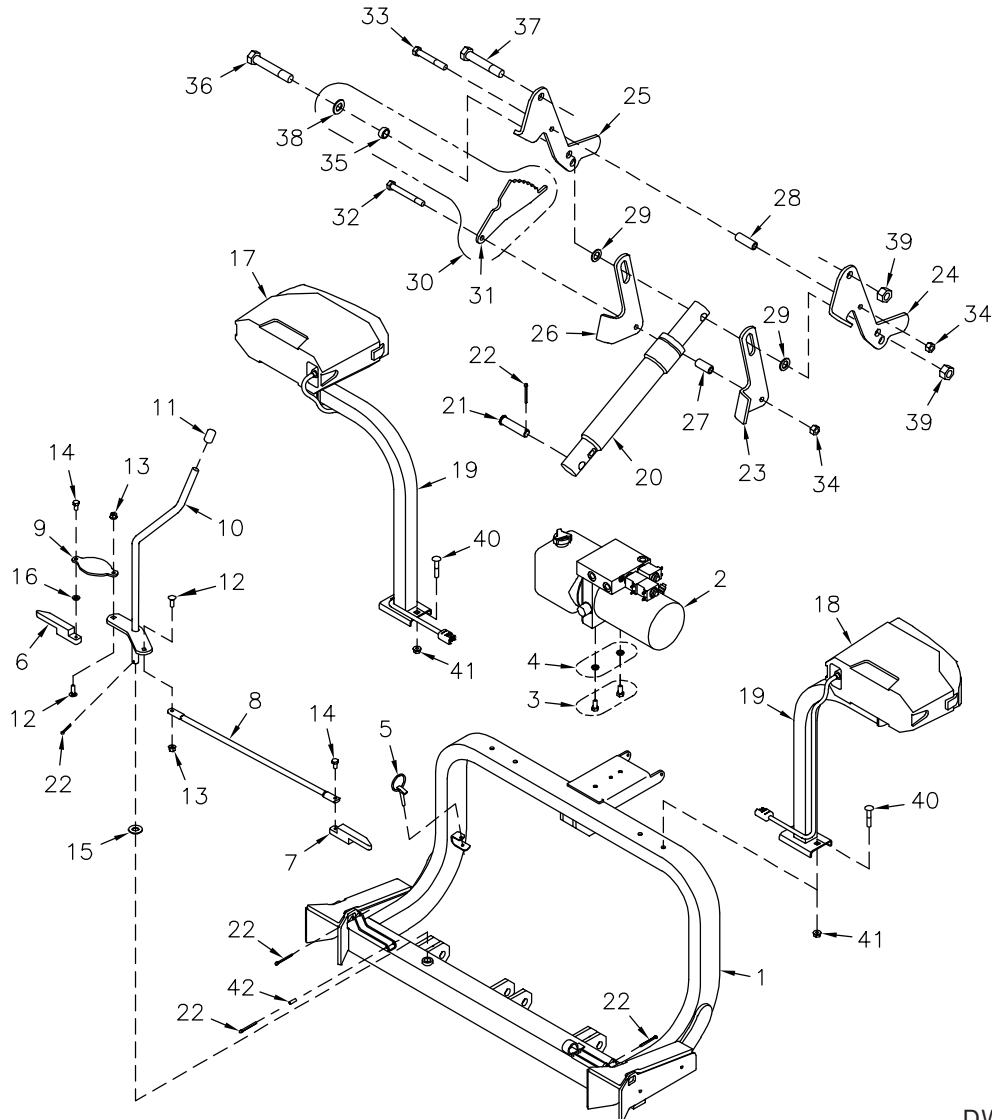
PUSH FRAME ASSEMBLY



DWG. NO. 7818

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	25012483	Push Frame Weld/Decal Assembly	1	14	25012614	Drilled Bolt 3/4-10 x 5 Gr. 5	1
2	25010697	Caution Decal	1	15	034-00136	Slotted Nut 3/4-10	1
3	25010523	1 1/2 x 10 SA Cylinder (See Sec. 9 Pg. 9)	2	16	950-001-030	Hex Head Cap Screw 3/4-10 x 2 1/2 Gr. 5	2
4	25011050	Park Stand Kit	1	17	030-16198	Carriage Bolt 3/4-10 x 3 1/2 Gr. 5	2
5	25010800	Lever Weldment	1	18	951-005-037	Lock Nut 3/4-10 Inch 2-Way	4
6	25010801	Stand Foot	1	19	031-06219	Hex Head Cap Screw 1/2-13 6 Gr. 5	2
7	25010798	Bracket	1	20	10304	Lock Nut 1/2-13 2-Way	2
8	25010795	Helical Torsion Spring	1	21	950-001-106	Hex Head Cap Screw 3/8-16 x 1 1/4 Gr. 5	2
9	25010797	Tab Lock Pin, 1/4 x 2	1	22	950-001-105	Hex Head Cap Screw 3/8-16 x 1 Gr. 5	2
10	25011486	Parking Stand Spacer	1	23	951-005-003	Lock Nut 3/8-16 Mac	4
11	953-002-032	Clevis Pin 3/4 x 3	2	24	950-003-074	Carriage Bolt 5/16-18 x 2 1/2 Gr. 5	1
12	035-42033	Cotter Pin 5/32 x 1 1/4	2	25	951-005-036	Lock Nut 5/16-18 Mac Lock	1
13	25011477	2 13/16" Long Bushing	2	26	953-001-008	Cotter Pin 3/16 x 1 3/4	1

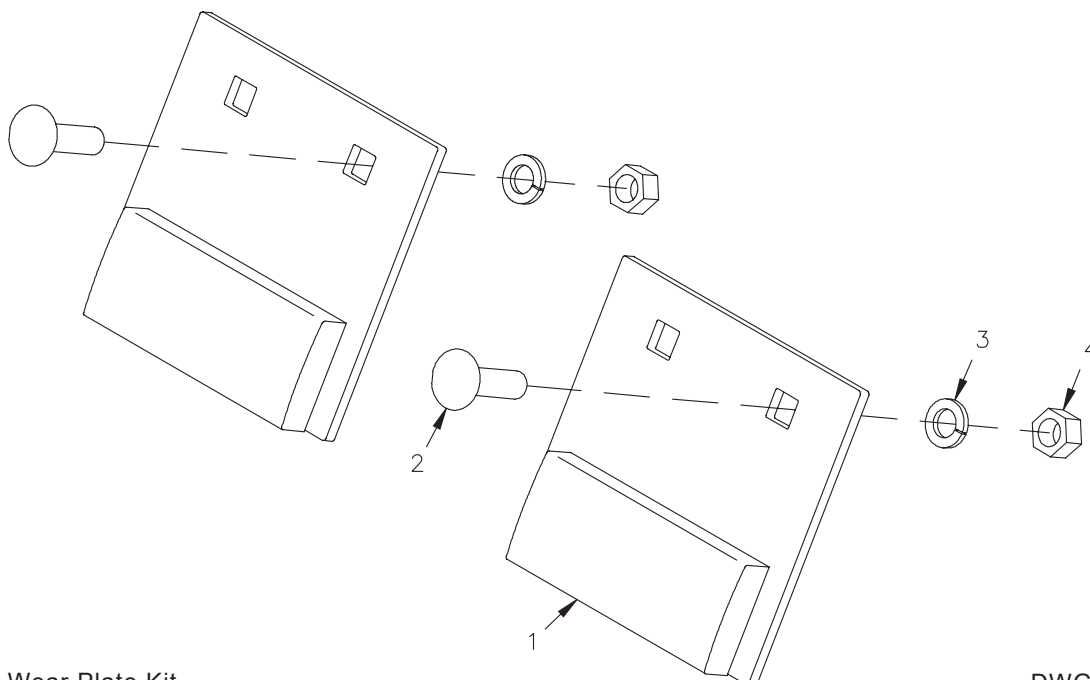
LIFT FRAME ASSEMBLY



DWG. NO. 7817A

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	25013338	Frame Weldment	1	22	035-42033	Cotter Pin 5/32 x 1 1/4	5
2	25012649	Power Unit (See Sec. 9, P. 10)	1	23	25012396	RH Lower Link	1
3	950-001-089	Hex Head Cap Screw 3/8-16 x 3/4 Gr. 5	2	24	25012394	RH Upper Link	1
4	952-001-007	Lock Washer 3/8 Inch	2	25	25012393	LH Upper Link	1
5	703-00209	Klik Pin	1	26	25012395	LH Lower Link	1
6	25012959	LH Slider	1	27	25010114	Lower Link Spacer	1
7	25012960	RH Slider	1	28	25011048	Upper Link Spacer	1
8	25012961	Long Tie Rod	1	29	952-004-003	Machinery Bushing 25/32 x 1 1/4 x .075	2
9	25013157	Short Latch Link	1	30	25011986	Stop Plate Kit (Includes Lock Nut #39)	1
10	25012962	Latch Lever Weldment	1	31	25011984	Stop Plate	1
11	25011230	Vinyl Cap	1	32	950-001-301	Hex Head Cap Screw 1/2-13 x 4 1/4 Gr. 5	1
12	030-16042	Carriage Bolt 5/16-18 x 1 Gr. 5	2	33	950-001-142	Hex Head Cap Screw 1/2-13 x 3 1/2 Gr. 5	1
13	951-005-036	Lock Nut 5/16-18 Mac Lock	2	34	10304	Lock Nut 1/2-13, 2-Way	2
14	950-011-042	Hex Head Cap Screw 5/16-18 x 3/4 Nylon Dri-Lock	2	35	25011885	Bushing	1
15	952-003-003	SAE Flat Washer 5/8 Inch	1	36	950-001-311	Hex Head Cap Screw 3/4-10 x 4 1/2 Gr. 5, 1 1/4 Thd Lgth	1
16	033-12007	SAE Flat Washer 5/16 Inch	1	37	950-001-310	Hex Head Cap Screw 3/4-10 x 4 1/4 Gr. 5, 1 1/4 Thd Lgth	1
17	25013250	LH Headlight Assembly (See Sec. 9, P. 14)	1	38	033-12013	SAE Flat Washer 3/4 Inch	1
18	25013251	RH Headlight Assembly (See Sec. 9, P. 14)	1	39	951-005-037	Lock Nut 3/4-10, 2-Way	2
19	25011334	Light Bracket Weldment	2	40	950-003-070	Carriage Bolt 3/8-16 x 2 Gr. 5	4
20	25011581	1 1/2 x 9 Cylinder (See Sec. 9, P. 9)	1	41	951-005-003	Lock Nut 3/8-16 Mac Lock	4
21	953-002-032	Clevis Pin 3/4 x 3	1	42	30008816	Slotted Spring Pin 1/4 x 3/4	1

WEAR PLATE KIT

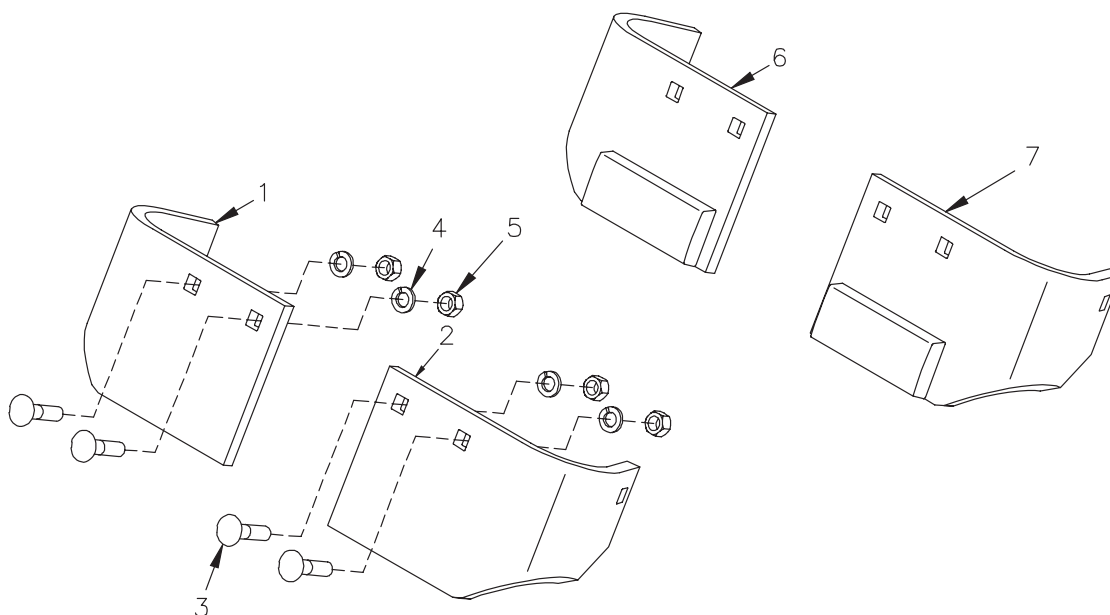


25012587 Wear Plate Kit

DWG. NO. 6331

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	25012588	Wear Plate Weldment	2	3	952-001-004	Lock Washer 1/2 Inch	4
2	950-003-058	Carriage Bolt 1/2-13 x 1 3/4 Gr. 5	4	4	951-001-007	Hex Nut 1/2-13	4

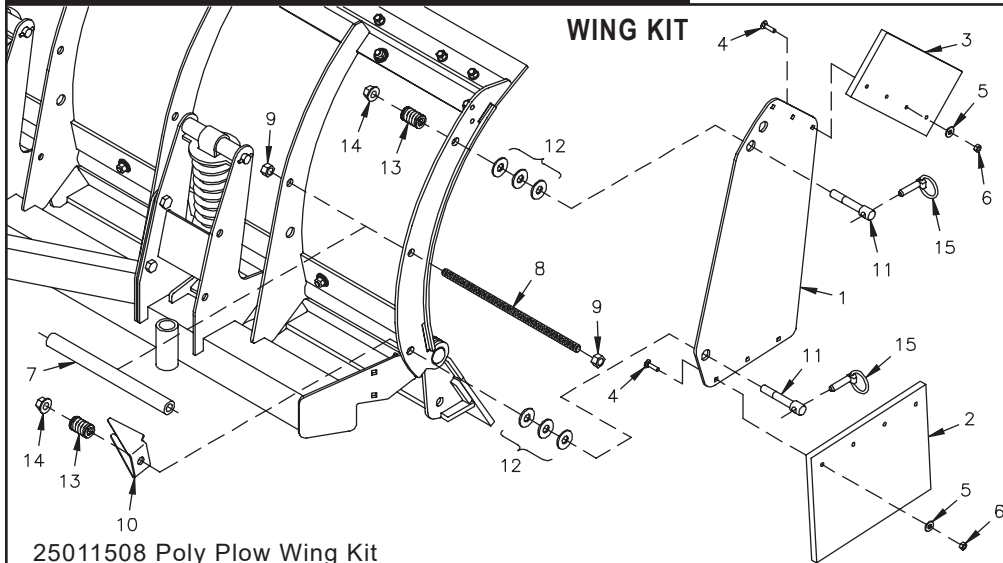
CURB GUARD KITS


 25011695 Curb Guard Kit - Standard
 25012726 Curb Guard Kit With Wear Bars

DWG. NO. 5486

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	25011712	RH Curb Guard - Standard	1	5	951-001-007	Hex Nut 1/2-13	4
2	25011713	LH Curb Guard - Standard	1	6	25012722	RH Curb Guard With Wear Bar	1
3	950-003-051	Carriage Bolt 1/2-13 x 2 1/4 Gr. 5	4	7	25012723	LH Curb Guard With Wear Bar	1
4	952-001-004	Lock Washer 1/2 Inch	4				

POLY TRIP EDGE PLOW 7802-7902

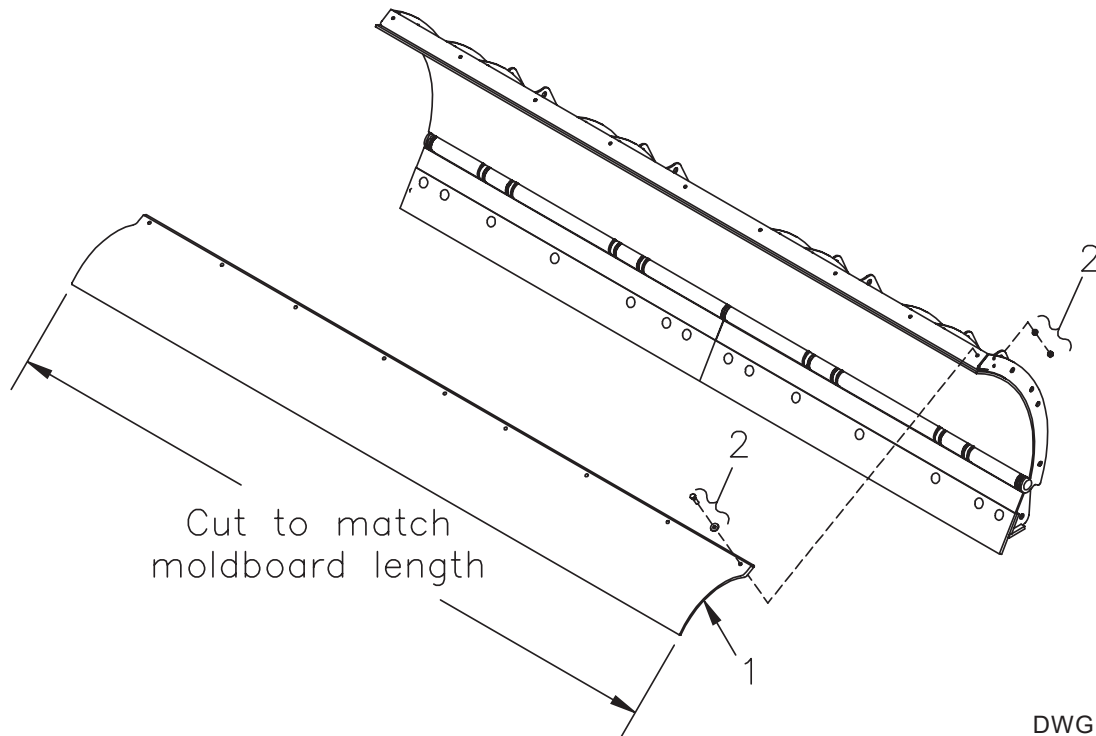


25011508 Poly Plow Wing Kit

DWG. NO. 6541

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	25011502	Wing Blank	2	9	10304	Lock Nut 1/2-13, 2-Way	4
2	25010840	Lower Wing Rubber	2	10	25011503	Gusset	2
3	25010841	Upper Wing Rubber	2	11	25011504	Quick Attach Bolt	4
4	030-12020	Carriage Bolt 1/4-20 x 1 Gr. 5	12	12	952-002-005	Flat Washer 1/2 Inch	16
5	952-002-011	Flat Washer 1/4 Inch	12	13	25011506	Compression Spring	4
6	951-005-089	Lock Nut 1/4-20 2-Way	12	14	951-005-055	Lock Nut 1/2-13 Mac Lock	4
7	25012734	Pipe	2	15	25011577	Lynch Pin 7/16 x 1 3/4	4
8	25012733	Threaded Rod	2				

POLY SNOW DEFLECTOR KITS



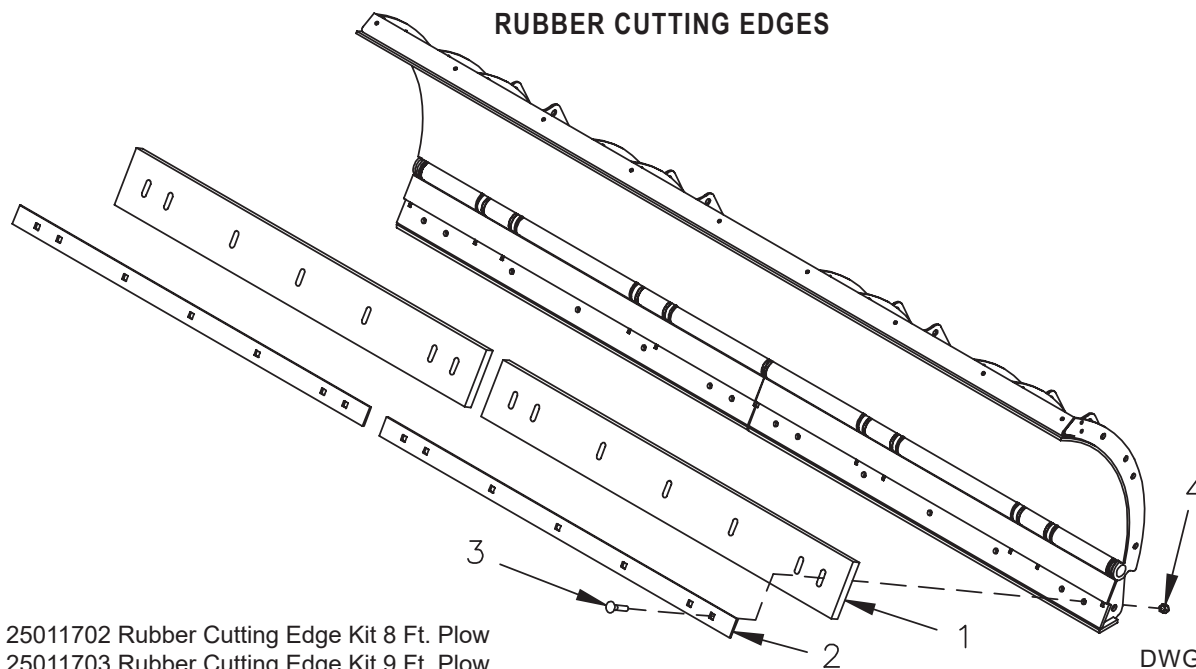
Cut to match moldboard length

DWG. NO. 5733

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	25011789	Poly Snow Deflector Kit 8' Plow	1	2	25011983	Poly Snow Deflector Kit 9' Plow (Two Extrusion Pieces)	1
	25011790	Poly Snow Deflector Kit 9' Plow	1		25011793	Bolt Box, Snow Deflector (Included With Kits)	1

POLY TRIP EDGE PLOW 7802-7902

RUBBER CUTTING EDGES

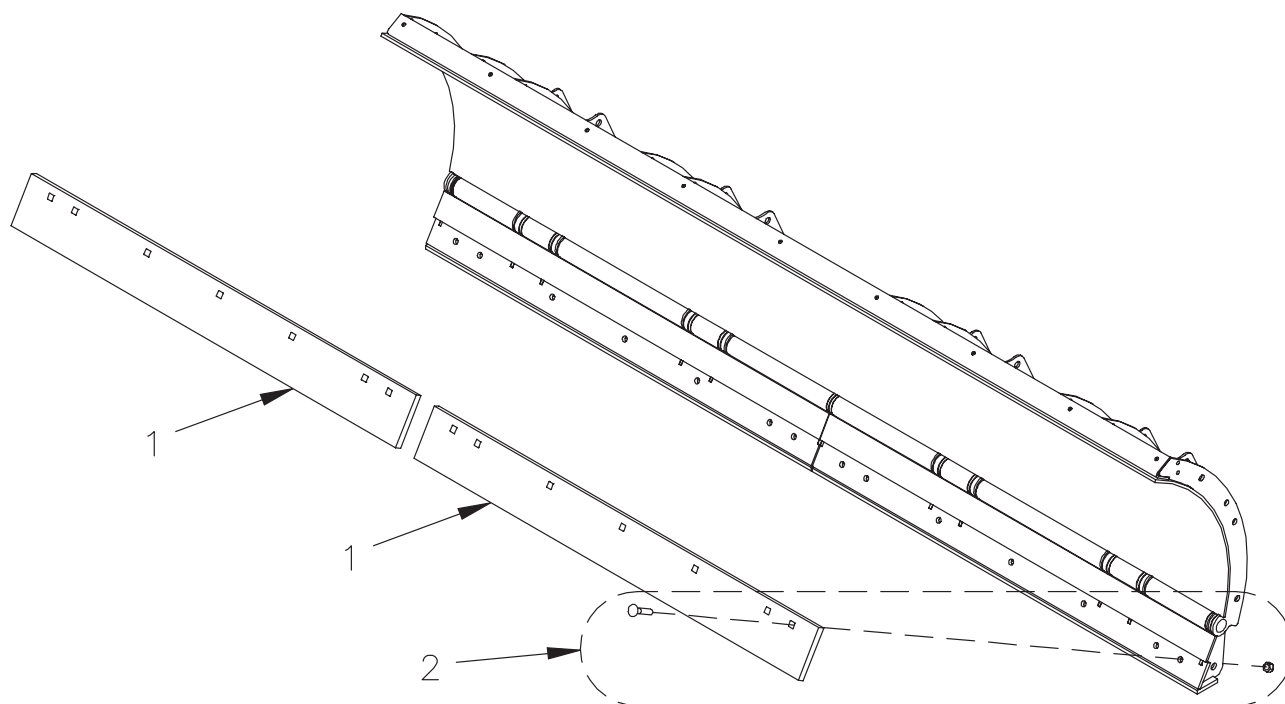


25011702 Rubber Cutting Edge Kit 8 Ft. Plow
25011703 Rubber Cutting Edge Kit 9 Ft. Plow

DWG. NO. 5685

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	25011770	48" Rubber Cutting Edge For 8 Ft. Plow	2	3	030-16136	Carriage Bolt 1/2-13 x 2 1/2 Gr. 5	14
	25011773	54" Rubber Cutting Edge For 9 Ft. Plow	2	4	951-003-009	Lock Nut 1/2-13 Nylon Insert	14
2	25011772	Strap 8 Ft. Trip Edge Plow	2				
	25011775	Strap 9 Ft. Trip Edge Plow	2				

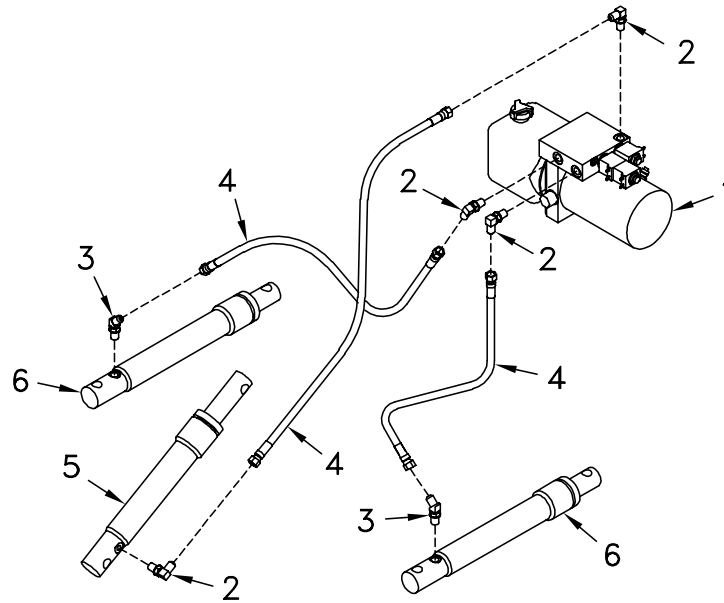
1/2" THICK CUTTING EDGES



DWG. NO. 5890

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	25012027	48" Cutting Edge For 8' Plow, 1/2" Thick	2	2	25011578	Cutting Edge Bolt Kit	1
	25012029	54" Cutting Edge For 9' Plow, 1/2" Thick	2				

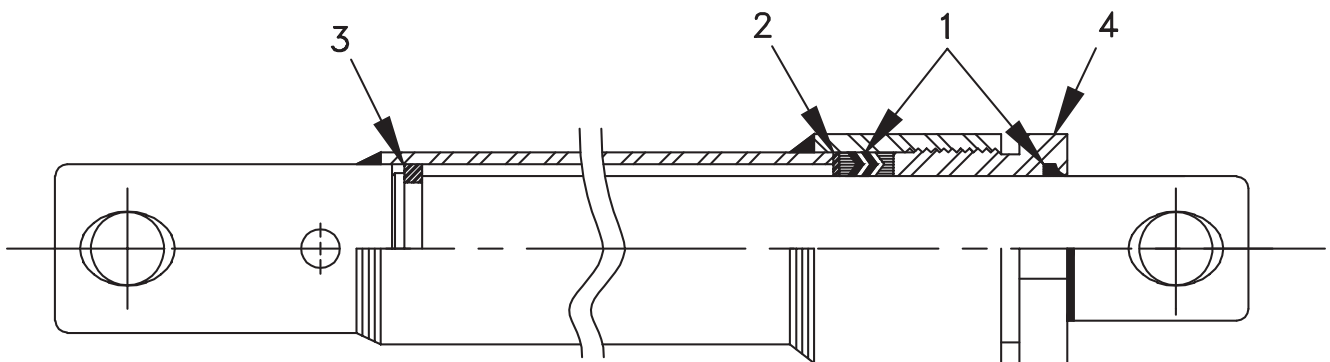
HYDRAULIC OVERVIEW



DWG. NO. 5668

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	25012649	Power Unit (See Sec 9, Pg 10)	1	4	957-010-005	Hydraulic Hose Assembly 1/4 x 32"	3
2	956-005-022	90° Adapter 9/16 ORB x 9/16 JIC	4	5	25011581	1 1/2 x 9 Cylinder (See Sec 9, Pg 9)	1
3	956-005-023	45° Adapter 9/16 ORB x 9/16 JIC	2	6	25010523	1 1/2 x 10 Cylinder (See Sec 9, Pg 9)	2

HYDRAULIC CYLINDERS

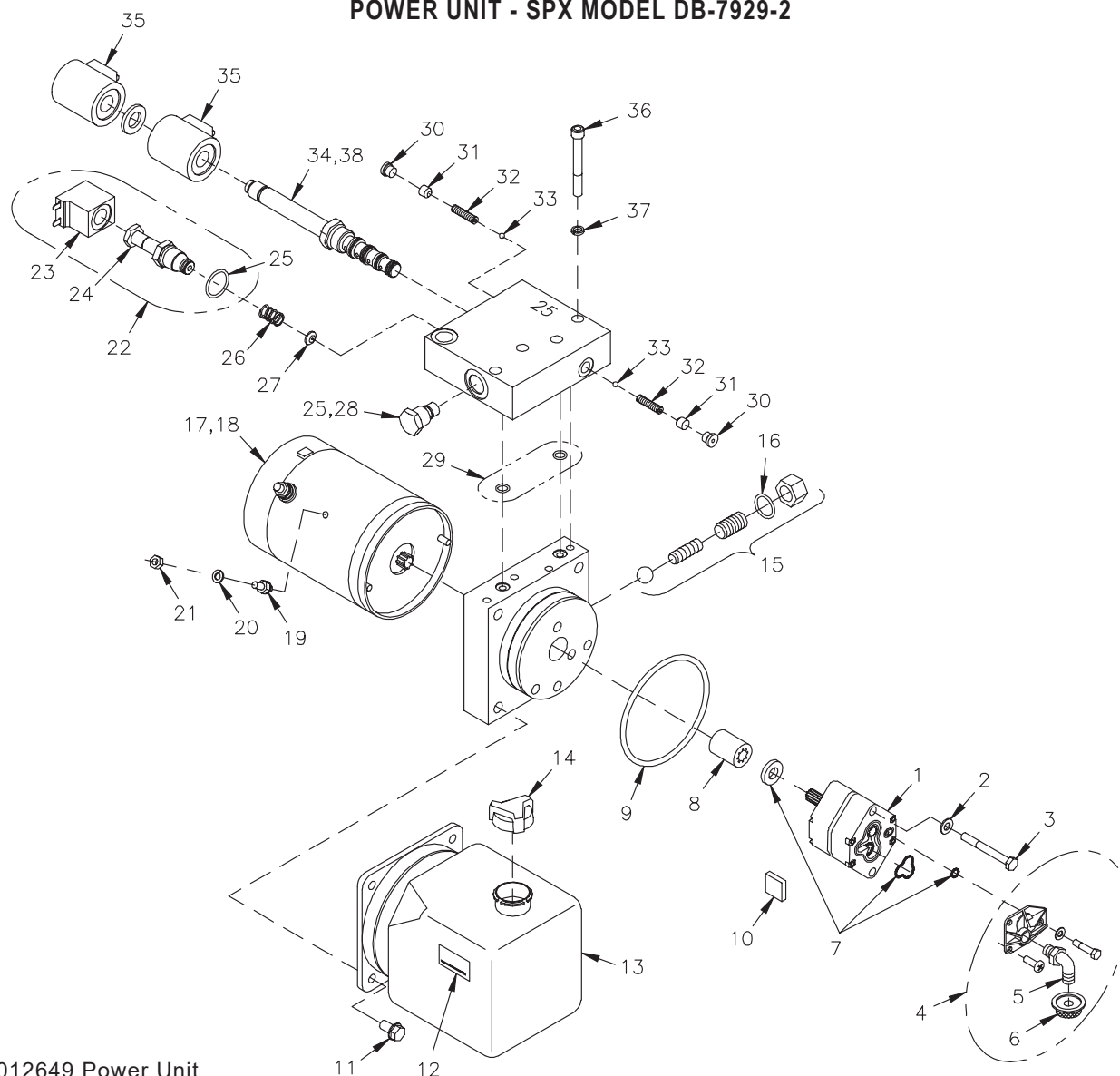


25010523 1 1/2 x 10 Cylinder
 25011581 1 1/2 x 9 Cylinder

DWG. NO. 5669

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	25010464	Seal Kit	1	3	25010017	Guide Ring	1
2	25010016	Seat Ring	1	4	25010018	Packing Nut	1

POWER UNIT - SPX MODEL DB-7929-2

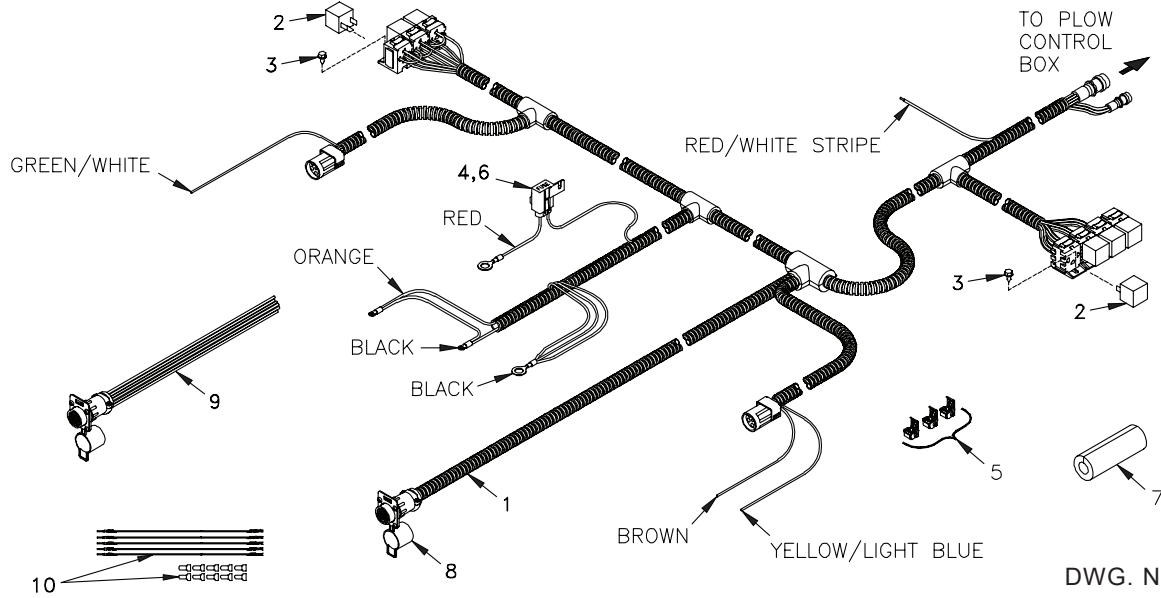


25012649 Power Unit
Model No. DB-7929-2

DWG.NO. 6527

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	25011706	Pump Assembly	1	20	952-001-001	Lock Washer 1/4 Inch	1
2	033-12007	SAE Flat Washer, 5/16 Inch	2	21	951-001-003	Hex Nut 1/4-20	1
3	950-001-327	Hex Head Cap Screw 5/16-24 x 3 Gr. 8	2	22	25011654	Release Valve Kit, Double Spade Coil	1
4	25010332	Inlet Plumbing Kit	1	23	25011667	Solenoid Coil 10V DC	1
5	25010244	Plumbing Elbow	1	24	25010544	Cartridge Release Valve	1
6	25010221	Filter	1	25	25010992	O-Ring Kit	1
7	25010334	Pump O-Ring Kit	1	26	25012674	Spring	1
8	25010214	Coupling	1	27	25012677	Return Orifice	1
9	25010236	O-Ring	1	28	25010746	Check Valve	1
10	25010220	Plumbing Magnet	1	29	25013881	Manifold O-Ring Kit	1
11	950-004-071	Machine Screw #12-24 x 1/2 - Hex Washer Head	4	30	25012686	ORB Plug	2
12	25010436	Decal - Fill Line	1	31	25012685	Set Screw 3/8-24 x .38 Selflock	2
13	25010240	Plastic Tank	1	32	25012684	Spring	2
14	25010217	Plastic Breather	1	33	25012683	Ball .25 Dia. Steel	2
15	25010330	Adjustable Relief Valve Kit	1	34	25012688	Directional Valve	1
16	25010518	Adjustable Relief Valve O-Ring	1	35	25012687	Solenoid Coil 10V DC	2
17	25010230	Motor 12V DC	1	36	950-004-115	Socket Head Cap Screw W/Thread Lock 1/4-20 x 1 3/4	4
18	25010337	Motor Brush Kit	1	37	952-004-080	Lock Washer 1/4 x .363 O.D.	4
19	25012673	Ground Stud	1	38	25013107	Seal Kit	1

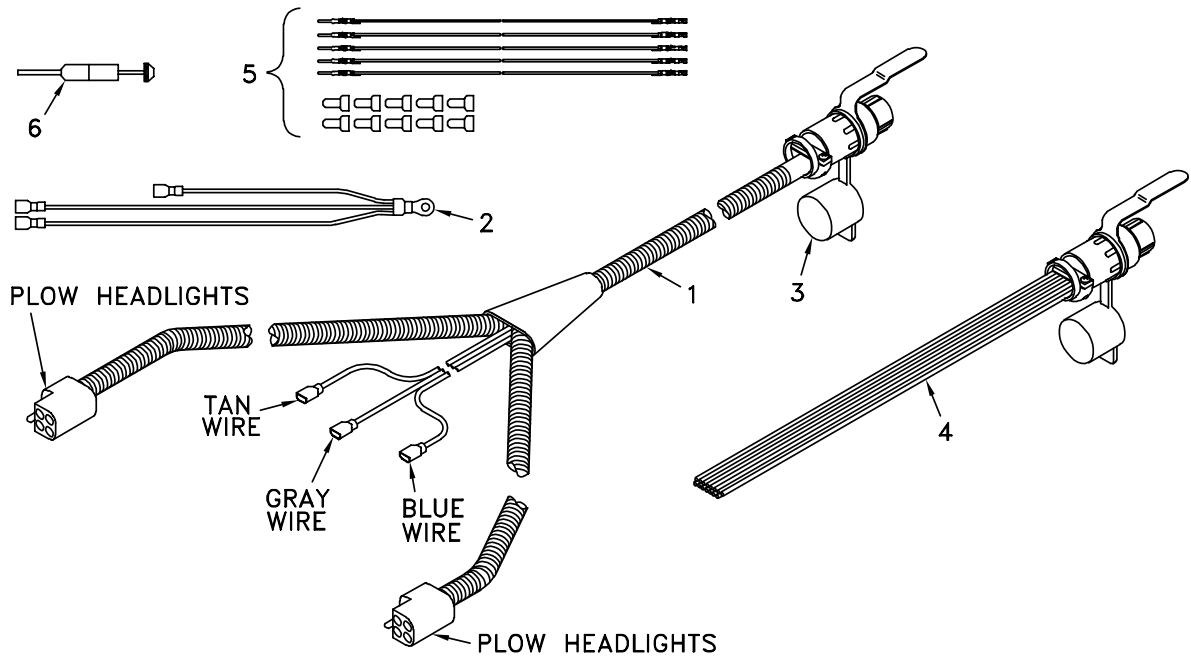
UNDERHOOD WIRING HARNESS



DWG. NO. 6743

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	38813097	Underhood Harness With 16 Pin CPC (Includes Relays And Fuse)	1	6	38400012	Cover, Fuse Holder	1
2	38350010	Headlight/Accessory Relay	7	7	39107001	Foam Grommet 4" Long	1
3	031-30078	S-Tap Screw #8-18 x 1/2 Slotted Hex Head	4	8	36716043	Dust Cap	1
4	39207031	10 Amp Fuse	1	9	38813106	Repair Pigtail, AMP CPC	A/R
5	38610104	Sealed Quick Connect	3	10	38813108	Repair Kit, AMP CPC (5 Wires)	A/R

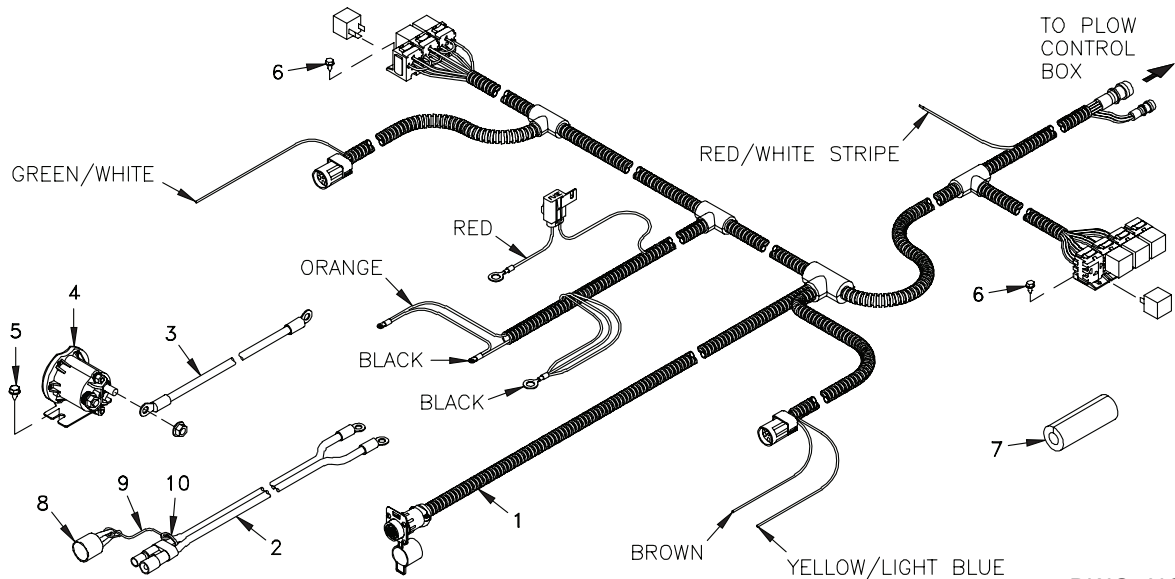
PLOW WIRING HARNESS- COMPOSITE HEADLAMPS



DWG. NO. 6746A

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	38813099	4 Function External Harness W/CPC Connector	1	4	38813107	Repair Pigtail, AMP CPC Plow	A/R
2	38813094	Ground Harness 1/4" Ring	1	5	38813108	Repair Kit, AMP CPC (5 Wires)	A/R
	38813160	Ground Harness 5/16" Ring	1	6	38640000	Pin/ Socket Extraction Tool	1
3	36716042	Dust Cap	1				

UNDERHOOD WIRING REMOUNT KIT W/CPC

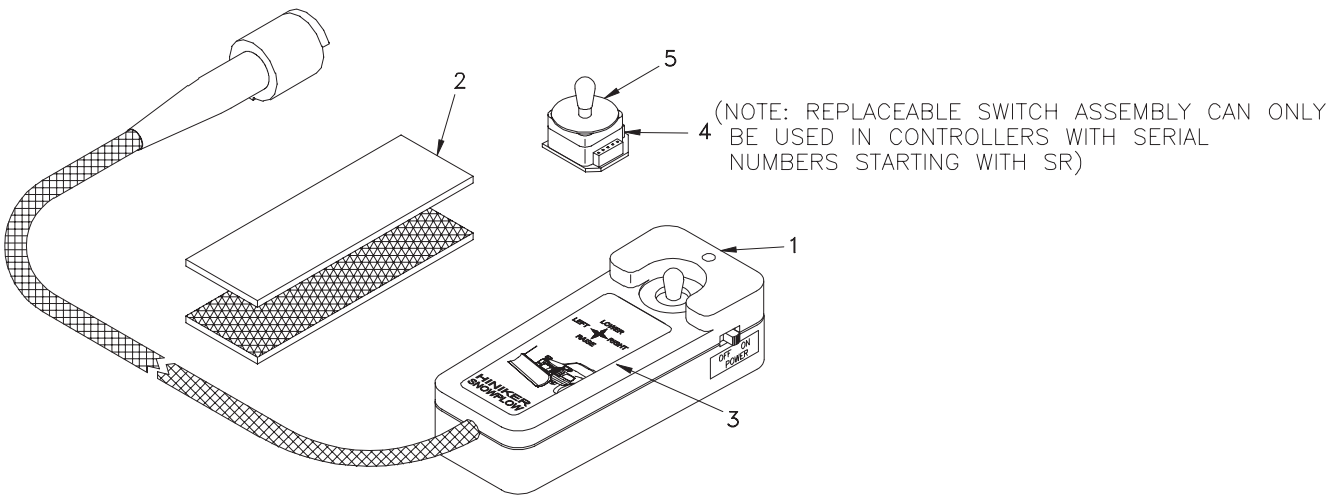


25013295 Remount Kit

DWG. NO. 6993

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	38813097	Underhood Harness W/16 Pin CPC	1	6	031-30078	Self Tapping Screw #8-18 x 1/2 Slotted Hex Head	4
2	38813066	Cable Battery Power 9 Ft	1	7	39107001	Foam Grommet	1
3	38813012	Cable, Solenoid 24"	1	8	36716002	Dust Cap	1
4	38350015	Motor Solenoid	1	9	36716025	Nylon Lanyard 8"	1
5	950-005-004	Self Tapping Screw 1/4-20 x 1/2 Hex Washer Head	2	10	367-001-014	Cable Tie 8"	1

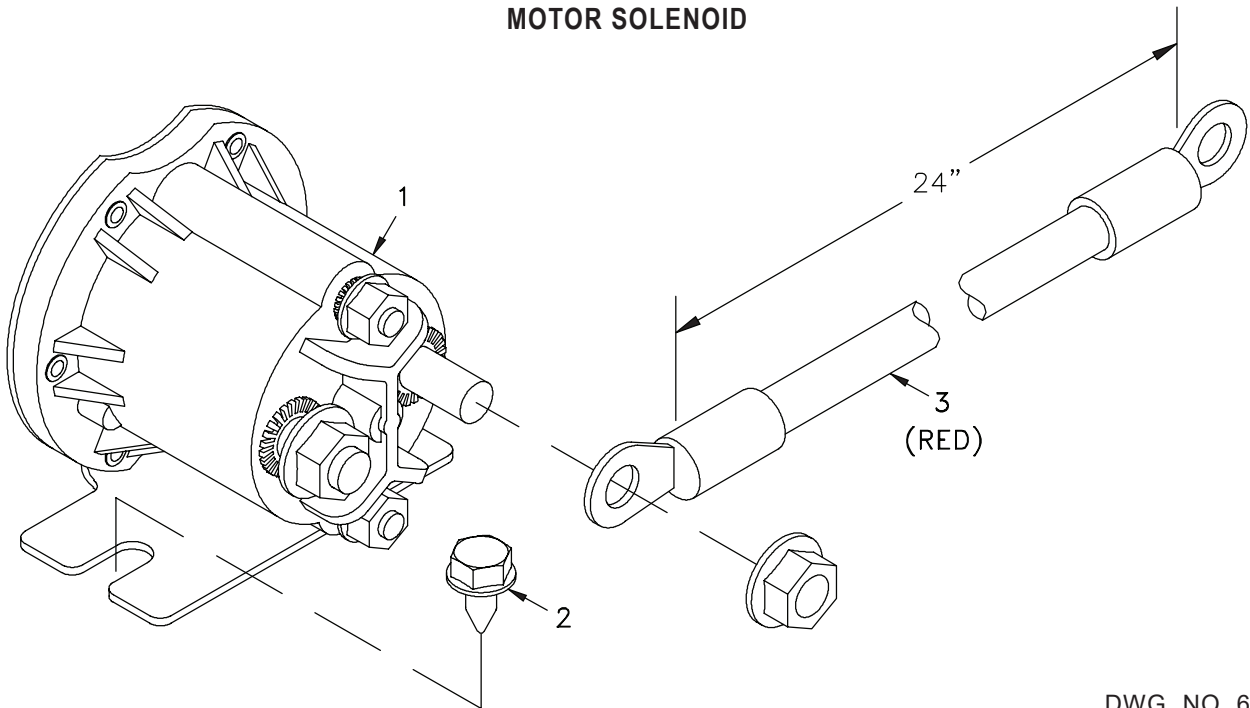
JOYSTICK CONTROLLER



DWG. NO. 5925

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	36014020	Joystick Straight Plow W/Replaceable Switch	1	4	36014019	Replaceable Switch Assembly	1
2	39108005	Hook & Loop Assembly	1	5	36716033	Gasket	1
3	39302141	Decal, Straight Plow Joystick, 2 Sided	1				

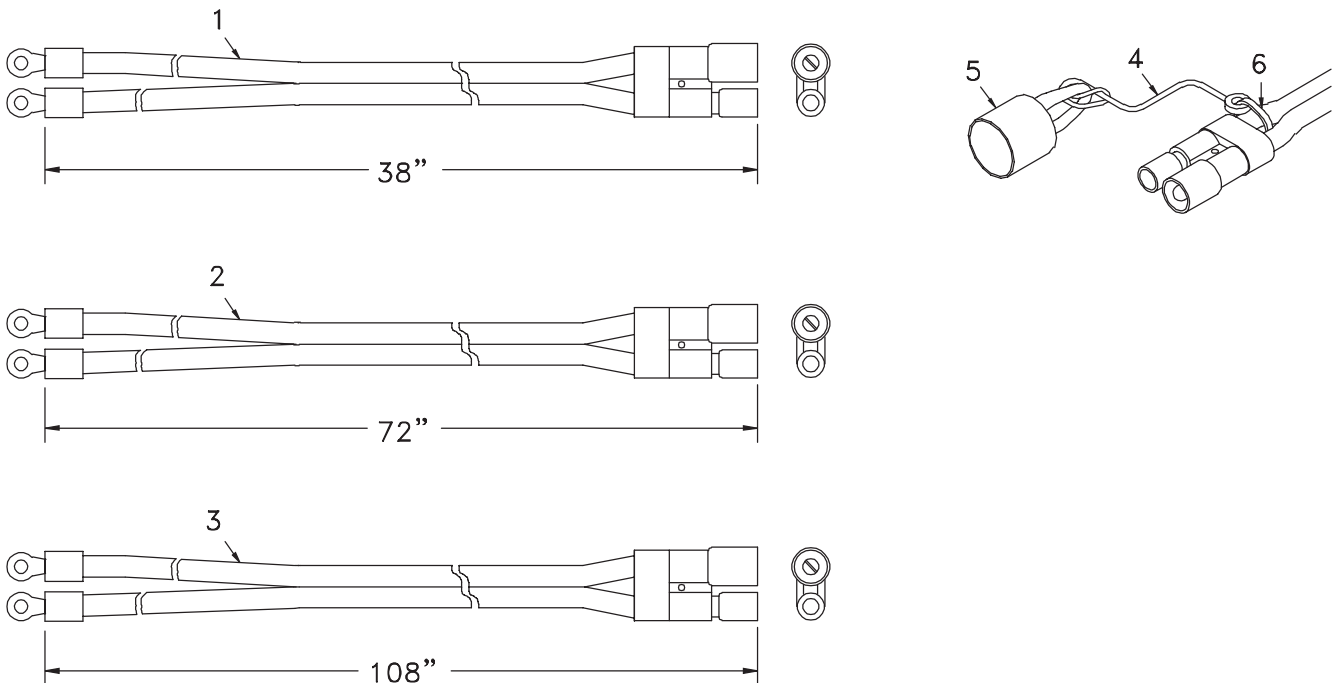
MOTOR SOLENOID



DWG. NO. 6559

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	38350015	Motor Solenoid, Sealed	1	3	38813012	Solenoid Cable, Red 4 Ga. 24 Inch	1
2	950-005-004	Self Tapping Screw 1/4-20 x 1/2 Hex Washer Head	2				

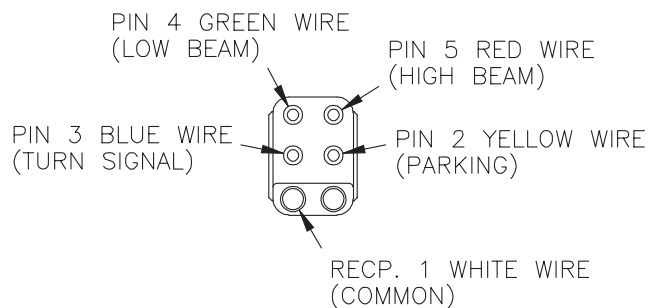
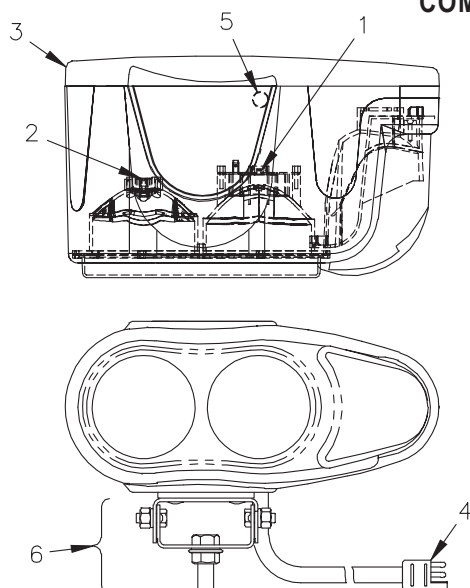
POWER CABLES AND DUST CAPS



DWG. NO. 6744

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	38812008	Battery Power Cable - Snow Plow	1	4	36716025	Nylon Lanyard 8"	A/R
2	38813007	Battery Power Cable - Truck 6 Ft.	1	5	36716002	Large Dust Cap	A/R
3	38813066	Battery Power Cable - Truck 9 Ft.	1	6	367-001-014	Cable Tie 8"	A/R

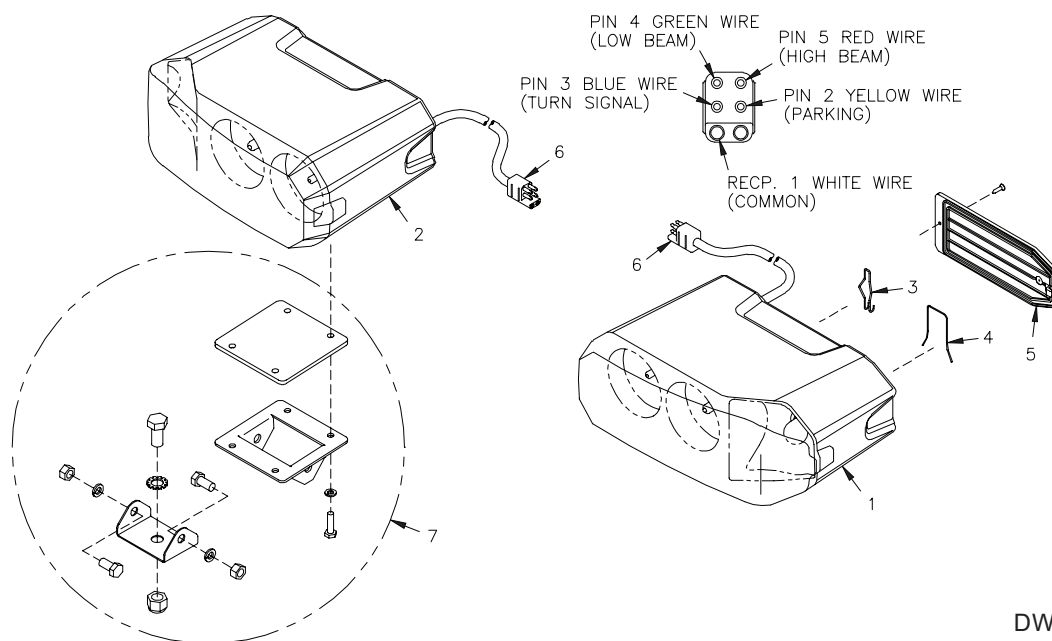
COMPOSITE HEADLAMPS



DWG. NO. 6628A

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
	25012793	LH Light Assembly	1	5	25012417	Conduit Clamp	1
	25012792	RH Light Assembly	1	6	25012850	Hardware Kit - Upper & Lower (For 2 Lights)	1
1	25012416	Spring Clip, High Beam	1		N/A	High Beam Headlight Bulb - One #H1 12V, 55W	1
2	25012415	Spring Clip, Low Beam	1		N/A	Low Beam Headlight Bulb - One #H7 12V, 55W	1
3	25012414	Back Panel, LH Light	1		N/A	Turn Signal/Parking Bulb - One #1157 Heavy Duty Double Contact 32/3 C.P.	1
	25012419	Back Panel, RH Light	1				
4	25012418	Wire Harness	1				

COMPOSITE HEADLAMPS



DWG. NO. 6899

REF. NO.	PART NUMBER	DESCRIPTION	QTY.	REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	25013250	LH Light Assembly	1	7	25013249	Hardware Kit-Upper & Lower (For 2 Lights)	1
2	25013251	RH Light Assembly	1		N/A	High Beam Headlight Bulb-One #H1 12V, 55W	1
3	25012416	Spring Clip, High Beam	1		N/A	Low Beam Headlight Bulb-One #H7 12V, 55W	1
4	25012415	Spring Clip, Low Beam	1		N/A	Turn Signal/Parking Bulb-One #1157 Heavy Duty Double Contact 32/3 C.P.	1
5	25013247	Back Panel	1				
6	25013248	Wire Harness	1				