



PARTS LIST

STRAIGHT-BLADE & V-PLOW

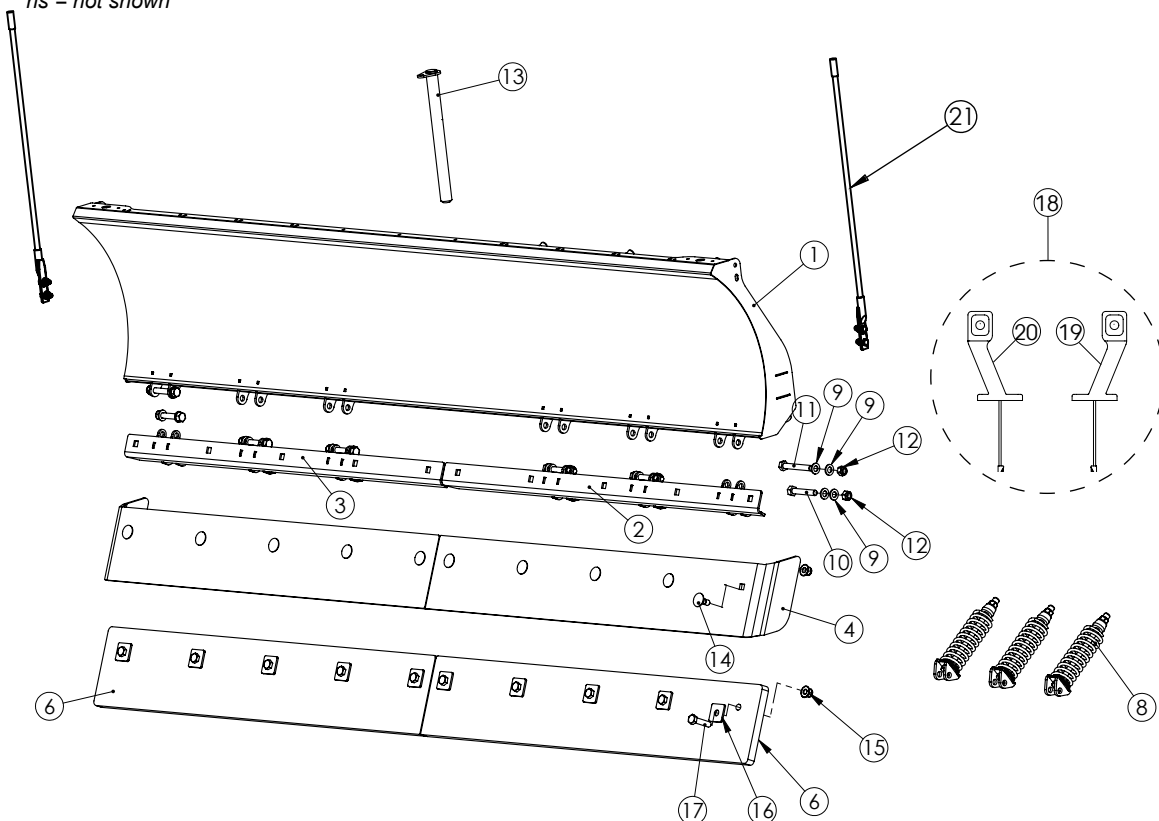
Part assembly	Straight-blade	V-plow
Snowplow assembly	2	3
Plow shoe assembly	4	4
Spring pre-assembly	5	5
Legstand pre-assembly	6	6
Lift frame (light-tower + motor unit).....	7.....	8
Lift frame pre-assembly	11.....	10
Motor valve unit	11.....	12
Hydraulic manifold assembly	13	14
Hydraulic power pack	14.....	14
Plow lowering kits.....	15	15
Harnesses and Electrical components.....	16	16
Joystick	17	17
Connectors	18-21	18-21

STRAIGHT-BLADE SNOWPLOW ASSEMBLY

*ssm = see specific model

Item	Qty	Part no.	1650-SP	1850-SP	2100-SP	2250-SP	2400-SP	2600-SP	Description
1	1	ssm*	H25167	H25042	H25154	H24723	H25193	H40057	Welded blade (2100-SP shown)
2	1	ssm*	H25172	H25047	H25160	H24736	H25199	H40068	Scraper bracket Left
3	1	ssm*	H25174	H25049	H25162	H24738	H25201	H40069	Scraper bracket Right
4	1	ssm*	H24964	H24965	H24966	H24967	H24968	H40064	Steel cutting edge KIT
6	1	ssm*	H24969	H24970	H24971	H24972	H24973	H40063	Polyurethane edge KIT
ns	1	ssm*	H27424	H27425	H27426	H27427	H27428	H40066	Snow deflector KIT
8	ssm*	H23302	6pcs				8pcs		Spring preassembly
9	ssm*	HF15128	24pcs				32pcs		Washer DIN 125 M12
10	ssm*	HF12433	6pcs				8pcs		Bolt M12x70 8.8 DIN931 ZN
11	ssm*	HF19413	6pcs				8pcs		Bolt M12x95 8.8 DIN931 ZN
12	ssm*	HF15068	12pcs				16pcs		Lock nut DIN 985/8 M12
13	1	H24757							Center pin
14	ssm*	HF13740	8pcs	10pcs		12pcs			Lockbolt M12x30 8.8 Zn
15	ssm*	HF15371	8pcs	10pcs		12pcs			Flanged Nylock M12 8.8 Zn
16	ssm*	HF15304	8pcs	10pcs		12pcs			Square washer DIN436 M12 ZN
17	ssm*	HF12429	8pcs	10pcs		12pcs			Bolt M12x50 8.8 ZN DIN931
18	1	H24420							Position Light kit
19	1	H24421							Side position lamp assembly left side
20	1	H24422							Side position lamp assembly right side
21	1	H25967							Plow markers with bolts (kit with 2pcs)

ns = not shown



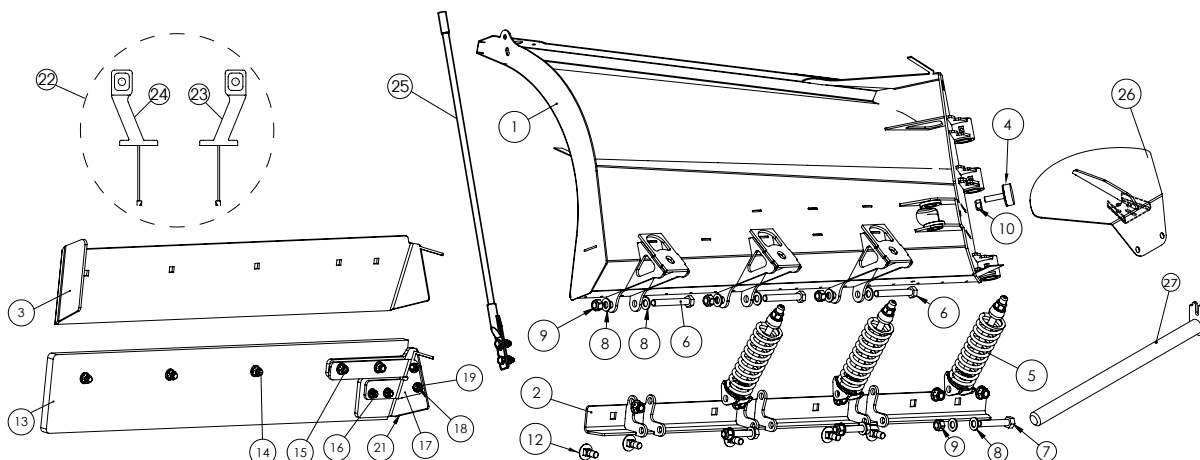
V-PLOW

SNOWPLOW ASSEMBLY

*ssm = see specific model

Item	Qty	Part no.	Side	1650-VP	1850-VP	2100-VP	2250-VP	2400-VP	2600-VP	Description
1	1	ssm*	Left	H27801	H24904	H27119	H27117	H27194	H29231	Plow wing, left
	1	ssm*	Right	H27790	H24911	H27120	H27118	H27195	H29243	Plow wing, right
2	1	ssm*	Left	H27806	H24914	H24479	H23308	H24932	H29247	Scraper bracket, left
	1	ssm*	Right	H27796	H24916	H24480	H23311	H24934	H29248	Scraper bracket, right
3	1	ssm*	Left	H27807	H24918	H24483	H23362	H24936	H29251	Steel edge, left
	1	ssm*	Right	H27797	H24919	H24484	H23363	H24937	H29252	Steel edge, right
	1	ssm*		H27704	H24078	H24079	H24080	H24984	H29188	Steel edge KIT (Including Bolts)
4	2	H23783								Vibration damper
5	ssm*	H23302			6pcs			8pcs		Spring preassembly
6	ssm*	HF19413			6pcs			8pcs		Bolt M12x95 8.8 DIN931 ZN
7	ssm*	HF12433			6pcs			8pcs		Bolt M12x70 8.8 DIN931 ZN
8	ssm*	HF15128			24pcs			32pcs		Washer DIN 125 M12
9	ssm*	HF15068			12pcs			16pcs		Lock nut DIN 985/8 M12
10	2	HF15370								M10 flanged nylock
11	ssm*	HF15371			10pcs			12pcs		Flanged Nylock M12 8.8 Zn
12	ssm*	HF13740			10pcs			12pcs		Lockbolt M12x30 8.8 Zn
13	1	ssm*	Left	H29289	H26905	H26906	H26907	H26908	H29257	Polyurethane edge, left
	1	ssm*	Right	H29289	H26905	H26906	H26907	H26908	H29257	Polyurethane edge, right
	1	ssm*		H27702	H24075	H24076	H24077	H24985	H29189	Polyurethane edge KIT (Item 13-21)
14	ssm*	HF12429			6pcs			8pcs		Lockbolt M12
15	4	HF12431								10x55
16	4	HF19351								10x55
17	1	H24388	Left							Center bracket
	1	H24389	Right							Center bracket
18	8	HF15370								M10 flanged nylock
19	4	HF13734								Lockbolt M10
21	1	H24387	Left							Center edge
	1	H24387	Right							Center edge
22	1	H24420								Position Light kit
23	1	H24421	Left							Side position lamp assembly left side
24	1	H24422	Right							Side position lamp assembly right side
25	1	H25967								Plow markers with bolts (kit with 2pcs)
26	1	H23650								Center snow deflector
27	1	H23335								Center pin
ns	1	ssm*		H27705	H24081	H24082	H24083	H24986	H29187	Snowdeflector KIT (polyurethane)

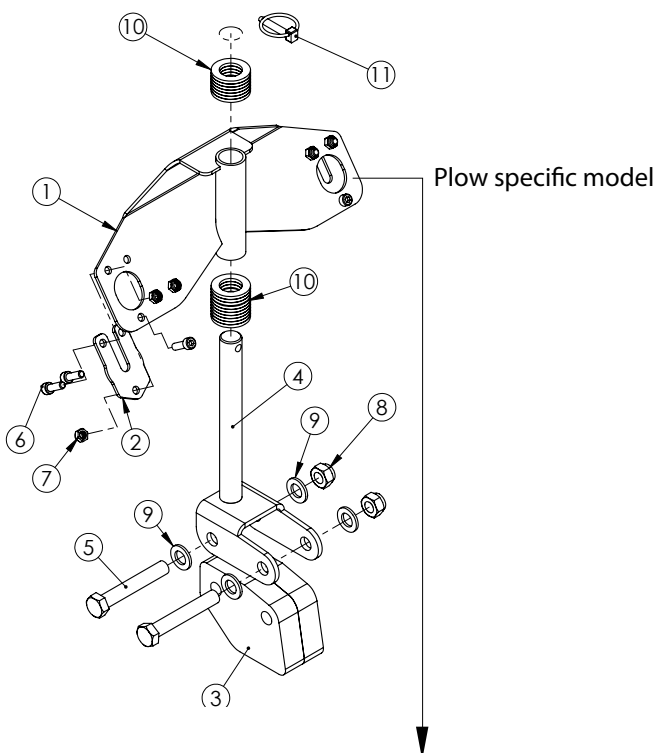
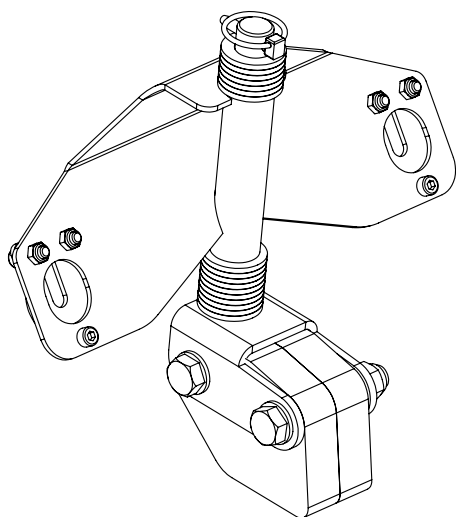
ns = not shown



STRAIGHT-BLADE & V-PLOW

PLOW SHOE ASSEMBLY

Item	Qty	Part no.	Description
1	1	<i>See table below</i>	
2	2	H25134	PLATE
3	2	H25138	Wear shoe
4	1	H25135	Shoe bracket
5	2	HF12453	Bolt M16x100 DIN 931 8.8 ZN
6	6	HF12189	Bolt DIN 912 8.8Zn M8x25
7	6	HF15100	Lock nut DIN985 ZN M8
8	2	HF15074	Lock nut DIN985 ZN M16
9	4	HF15130	DIN 125 M16 ZN
10	17	HF15475	Washer DIN 126 M24
11	1	H25381	Linch pin 8mm



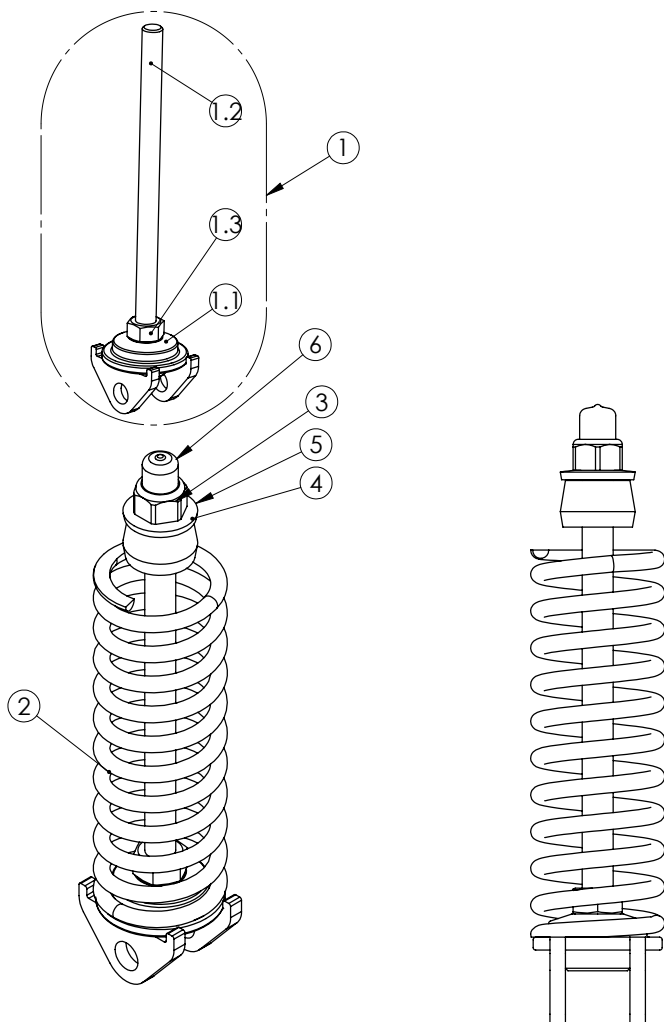
Plow model	Kit no.	Including
1650-SP/VP	H26075	parts 1-11
1850-SP/VP	H26076	parts 1-11
2100-SP/VP	H26077	parts 1-11
2250-SP/VP	H26078	parts 1-11
2400-SP/VP	H26079	parts 1-11

Plow model	Item	Part no.	Description
1650-SP/VP	1	H25341	bracket
1850-SP/VP	1	H25343	bracket
2100-SP/VP	1	H25345	bracket
2250-SP/VP	1	H25131	bracket
2400-SP/VP	1	H25347	bracket

STRAIGHT-BLADE & V-PLOW

SPRING PRE-ASSEMBLY - H23302

Item	Qty	Part no.	Description	Note
1	1	H24721	Spring bracket preassembled	
1.1	1	H23304	Spring bracket	
1.2	1	H23307	Pin	
1.3	1	HF15458	HEXAGON NUT DIN934 M12 8.8 HZn	
2	1	H23303	Compression spring 6,5x52x175	
	1	H29979	Heavy Duty Spring 7x53x175	Optional
3	1	HF15068	Lock nut DIN 985/8 M12	
4	1	H23782	Rubber dampener	
5	1	HF15392	Washer DIN6796 Zn M12	
6	1	H25206	Cap Flexi 11,1x12,7	



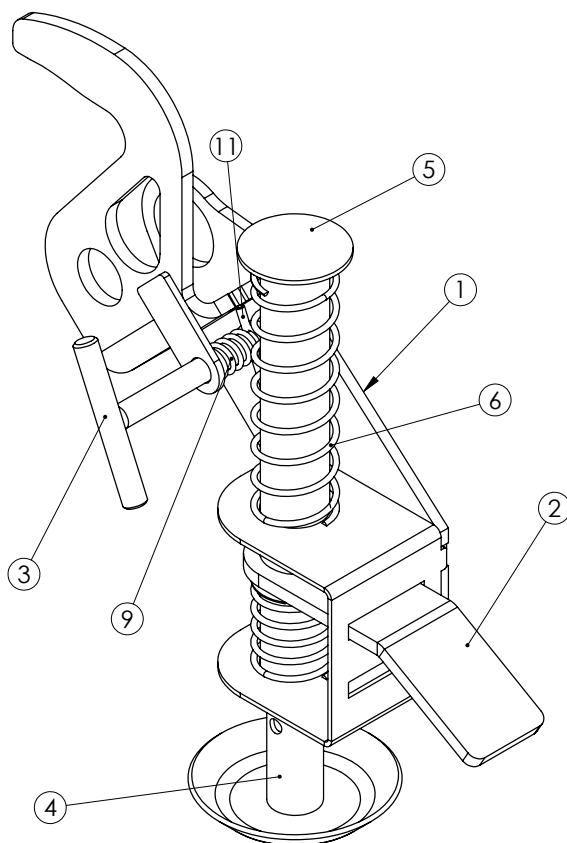
STRAIGHT-BLADE & V-PLOW

LEGSTAND PRE-ASSEMBLY

RIGHT SIDE PRE-ASSEMBLY: H23763

LEFT SIDE PRE-ASSEMBLY: H23762

Item	Qty	Part no.		Description
		Right	Left	
1	1	H23608	H23626	Locking arm
2	1		H23619	Lever pushpin
3	1		H23623	Lockpin
4	1		H23613	Legstand
5	1		H23616	Pushdown pipe
6	1		H23765	Compression spring 2.5x34.5x170
7	1		H23766	Compression spring 2.5x34.5x71.5
8	1		HF10479	Washer
9	1		H23767	Compression spring 1.5x14.5x50
10	1		HF19357	Pin DIN 94 6.3x40 A2
11	1		HF19356	Pin ISO 13337 3,5x35 A2

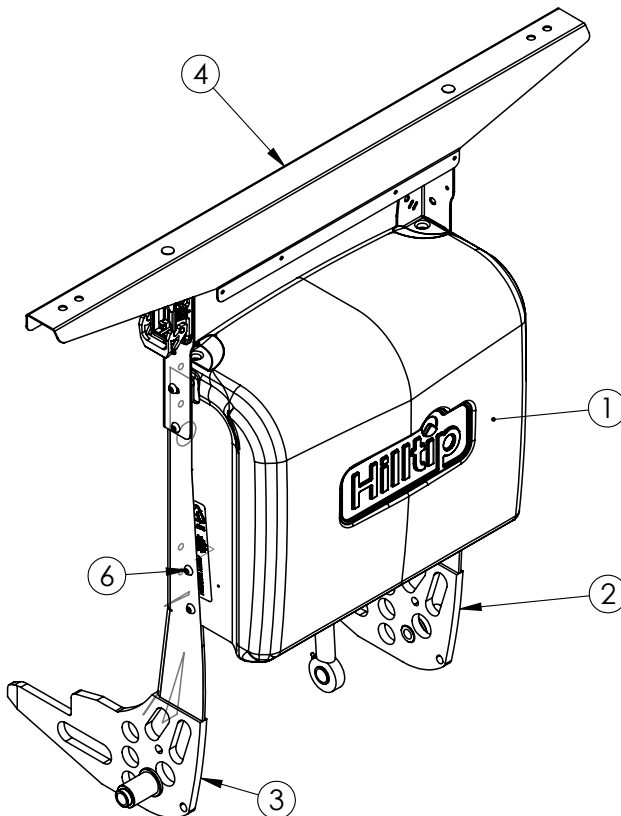


LIFTFRAME (LIGHT TOWER + MOTOR UNIT)

KIT FOR STRAIGHT-BLADE: H25977

KIT FOR V-PLOW: H25978

Item	Qty	Part no.		Description
		SP	VP	
1	1	H25972	H25868	Lift Unit preassembly
2	1	H23251		Bracket frame Left
3	1	H23256		Bracket frame Right
4	1	H25979		Light Bracket Preassembly
5	8	HF15232		Lock washer NL8
6	4	HF12896		ISO 7380 M8x20
7	12	HF12897		ISO 7380 M8x25 10.9Zn
8	8	HF15100		Lock nut DIN985 ZN M8

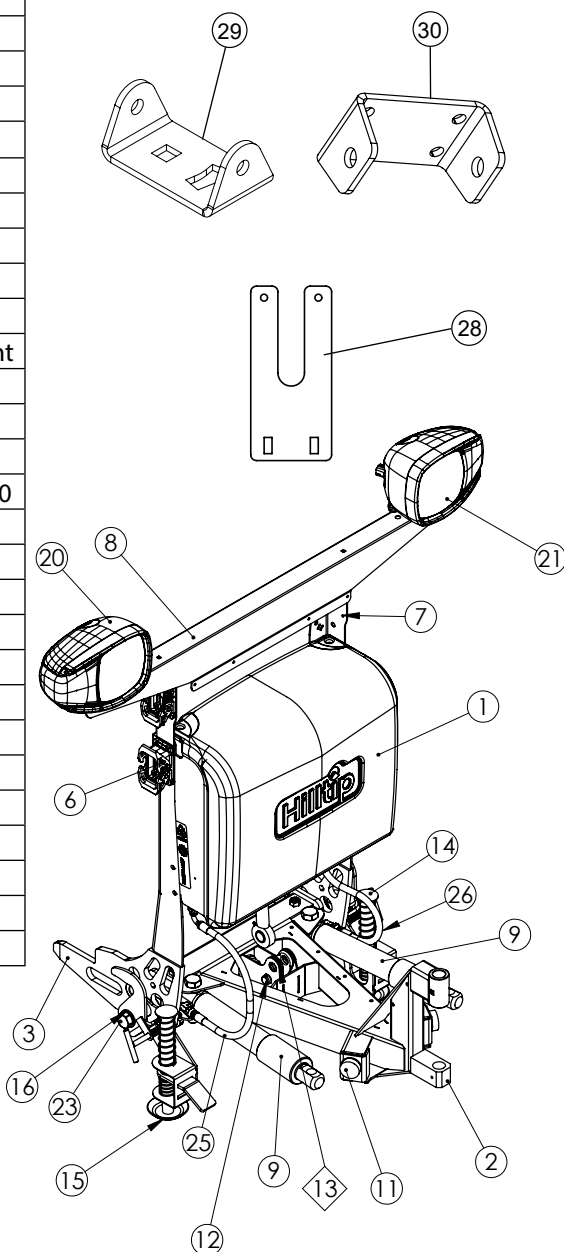
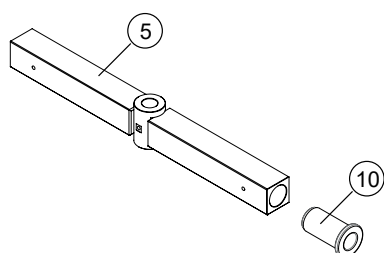


LIFT FRAME PRE-ASSEMBLY

KIT FOR STRAIGHT-BLADE: H25975

Item	Qty	Part no.	Description
1	1	H23288	Motor valve unit
2	1	H24742	A-frame
3	1	H23256	Bracket frame Right
ns	1	H23251	Bracket frame Left
5	1	H23258	Tilt beam
6	1	H23384	Bracket light frame Right
7	1	H23385	Bracket light frame Left
8	1	H23262	Light bracket plate
9	2	H24945	Angle cylinder
10	2	H23396	Bush
11	2	H23783	Vibration damper
12	1	H23914	Pin
13	2	H24717	Bracket
14	1	H23762	Legstand preassembly Left
15	1	H23763	Legstand preassembly Right
16	3	HF14983	HV Washer M20 10.9 Zn
17	2	HF12512	M20x90 DIN 931 8.8 Zn
ns	1	HF12489	M20x110 DIN 931 8.8 Zn
ns	1	HF15078	Lock nut DIN985 8.8 Zn M20
20.1	1	H20108	Plowlight Right HALOGEN
20.2	1	H26686	Plowlight Right LED
21.1	1	H20107	Plowlight Left HALOGEN
21.2	1	H26687	Plowlight Left LED
ns	1	H25370	Connector Housing
23	2	HF12731	M20x35 DIN 933 8.8 Zn
ns	1	H25453	Plate
25	1	H23744	Hose assembly
26	1	H23746	Hose assembly
ns	1	H25767	Connector holder
28	2	H40229	Light support frame
29	2	H27613	Lower light bracket
30	2	H42348	Upper light bracket

ns = not shown

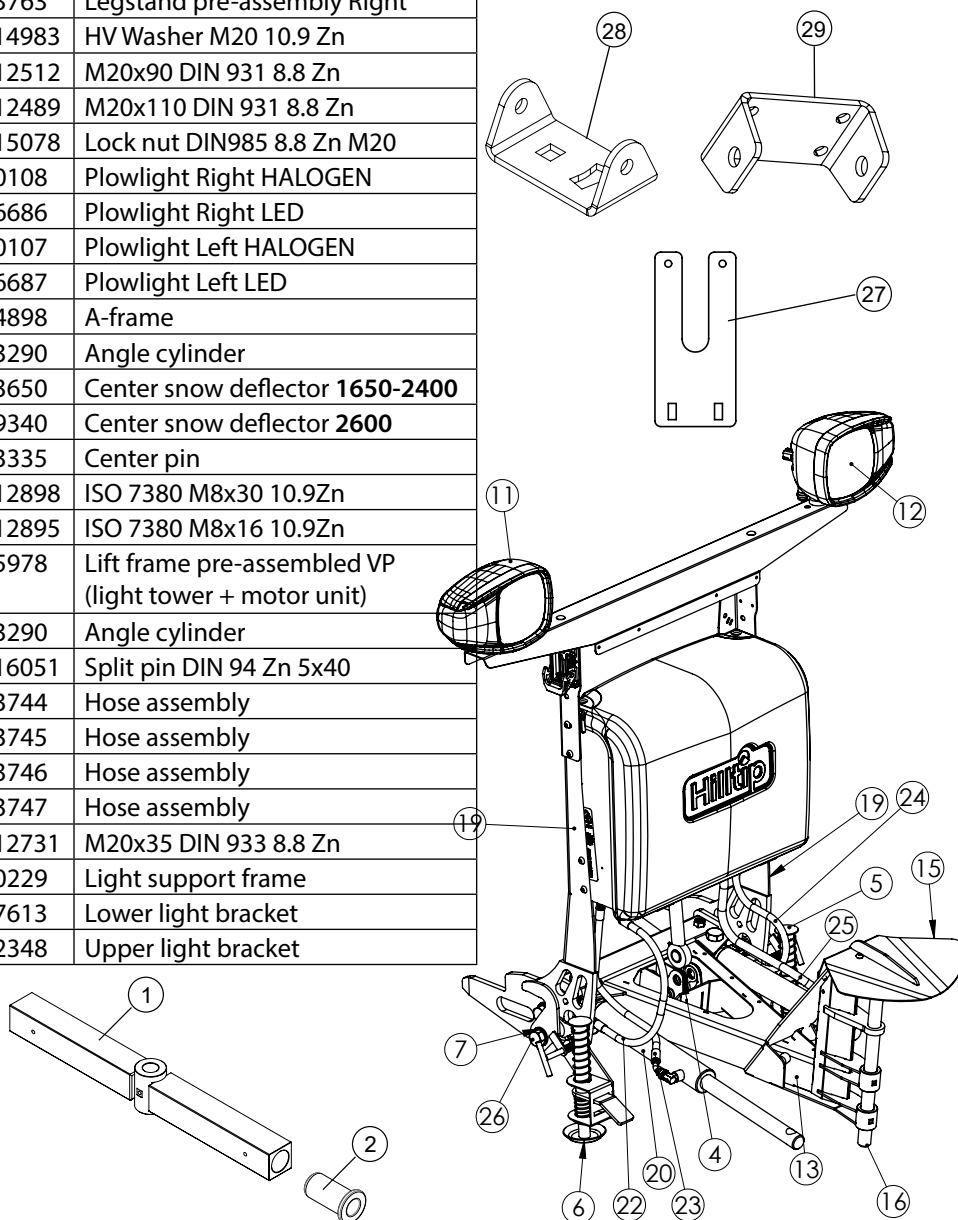


LIFT FRAME PRE-ASSEMBLY

KIT FOR V-PLOW: H25976

Item	Qty	Part no.	Description
1	1	H23258	Tilt beam
2	2	H23396	Bush
ns	1	H23914	Pin
4	2	H24717	Bracket
5	1	H23762	Legstand pre-assembly Left
6	1	H23763	Legstand pre-assembly Right
7	5	HF14983	HV Washer M20 10.9 Zn
ns	4	HF12512	M20x90 DIN 931 8.8 Zn
ns	1	HF12489	M20x110 DIN 931 8.8 Zn
ns	3	HF15078	Lock nut DIN985 8.8 Zn M20
11.1	1	H20108	Plowlight Right HALOGEN
11.2		H26686	Plowlight Right LED
12.1	1	H20107	Plowlight Left HALOGEN
12.2		H26687	Plowlight Left LED
13	1	H24898	A-frame
ns	1	H23290	Angle cylinder
15	1	H23650	Center snow deflector 1650-2400
	1	H29340	Center snow deflector 2600
16	1	H23335	Center pin
ns	2	HF12898	ISO 7380 M8x30 10.9Zn
ns	2	HF12895	ISO 7380 M8x16 10.9Zn
19	1	H25978	Lift frame pre-assembled VP (light tower + motor unit)
20	1	H23290	Angle cylinder
ns	1	HF16051	Split pin DIN 94 Zn 5x40
22	1	H23744	Hose assembly
23	1	H23745	Hose assembly
24	1	H23746	Hose assembly
25	1	H23747	Hose assembly
26	2	HF12731	M20x35 DIN 933 8.8 Zn
27	2	H40229	Light support frame
28	2	H27613	Lower light bracket
29	2	H42348	Upper light bracket

ns = not shown

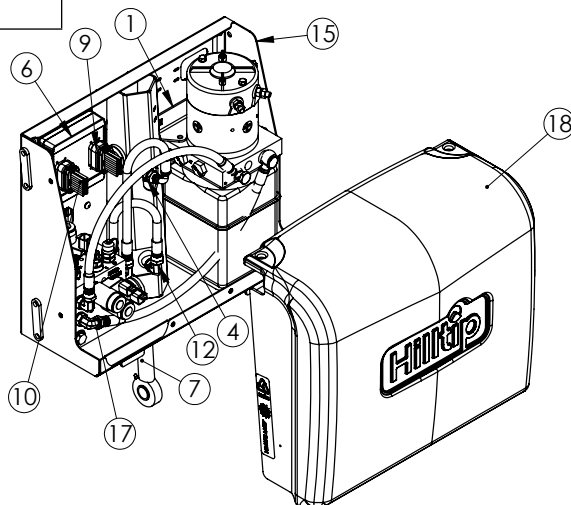
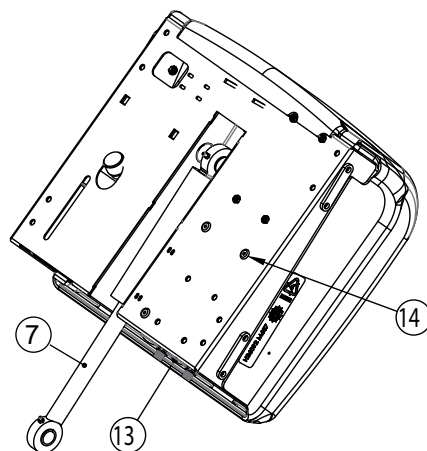


MOTOR VALVE UNIT

KIT FOR STRAIGHT-BLADE: H25972

Item	Qty	Part no.	Description
1	1	H23637	Pump bracket
ns	1	H23942	Pump unit
ns	1	HH13008	Sealing washer
4	1	HH14437	Straight adapter
ns	2	HH11242	Banjo bolt 1/4"
6	1	H23939	Plow module
7	1	H23845	Lift cylinder 1650-2250 SP
	1	H43145	Lift cylinder 2400-2600 SP
ns	4	HH13100	Cu washer13,5/18
9	1	H25178	Valve cable harness SP
10	1	H24191	Plow cable harness
ns	2	H24500	Bush
12	1	HH14806	90deg fitting
13	2	H25208	Blanking plug
14	3	H25209	Blanking plug 8mm
15	1	H24776	Motor box
ns	1	H24786	Plate
17	1	H25971	Valve unit pre-assembly SP
18	1	H26092	Motor unit cover
ns	1	HF12489	M20x110 DIN 931 8.8 Zn
ns	1	HF15078	Lock nut DIN985 8.8 Zn M20
ns	2	HF13733	DIN 603 8.8Zn M10x25
ns	2	HF15370	DIN6926 8.8 Zn M10
ns	6	HF12884	ISO 7380 M5x12 10.9Zn
ns	2	HF12877	ISO 7380 M4x10 10.9Zn
ns	2	HF19087	DIN 985 8.8Zn M6
ns	4	HF12896	ISO 7380 M8x20

ns = not shown

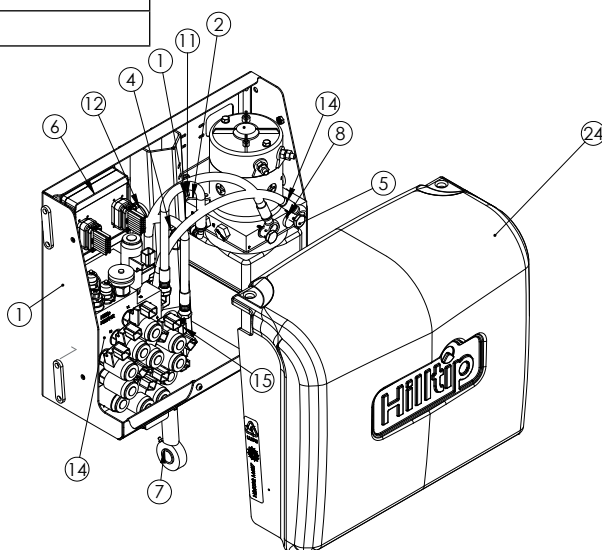
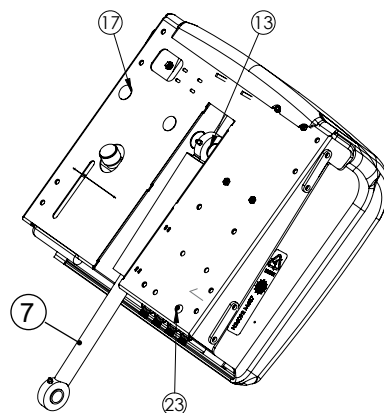


MOTOR VALVE UNIT

KIT FOR V-PLOW: H25868

Item	Qty	Part no.	Description
1	1	H24776	Motor box
2	1	H23637	Pump bracket
ns	1	HH13008	Sealing washer
4	1	HH14437	Straight adapter
5	2	HH11242	Banjo bolt 1/4"
6	1	H23939	Plow module
7	1	H23845	Lift cylinder 1650-2250 VP
	1	H43145	Lift cylinder 2400-2600 VP
8	4	HH13100	Cu washer 13,5/18
ns	1	H25177	Valve cable harness
ns	1	H25336	Plow cable harness
11	1	HF12489	M20x110 DIN 931 8.8 Zn
12	1	HF15078	Lock nut DIN985 8.8 Zn M20
13	2	H24500	Bush
14	1	H25869	Valve unit pre-assembly VP v2.0
ns	1	HH14806	90deg fitting
ns	1	H24786	Plate
17	2	HF13733	DIN 603 8.8Zn M10x25
ns	2	HF15370	Nut DIN 6926 m10x1,5 Zn 8
ns	1	HF12884	ISO 7380 M5x12 10.9Zn
ns	2	HF12877	ISO 7380 M4x10 10.9Zn
ns	2	HF19123	ISO 7380 A4 M6x16
ns	2	HF10512	LOCK NUT M6 A4 DIN985
23	1	HF12896	ISO 7380 M8x20
24	1	H26092	Motor unit cover
ns	1	H23942	Pump unit

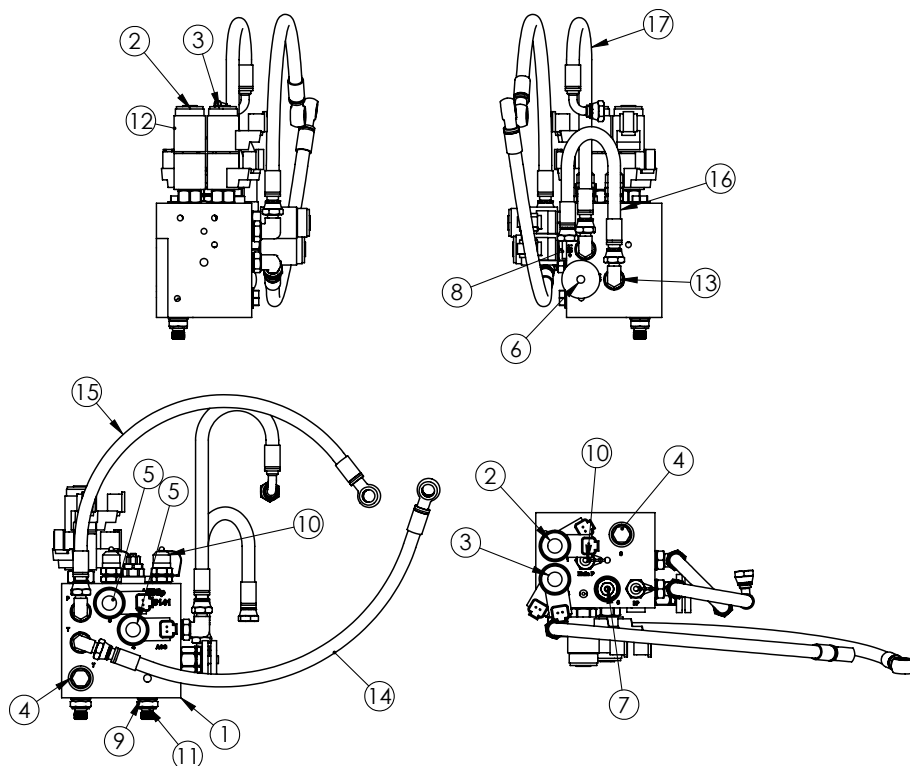
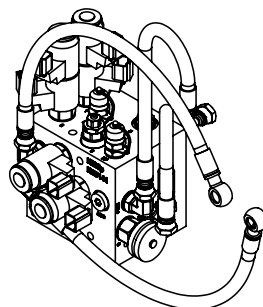
ns = not shown



STRAIGHT-BLADE

HYDRAULIC MANIFOLD ASSEMBLY - H25971

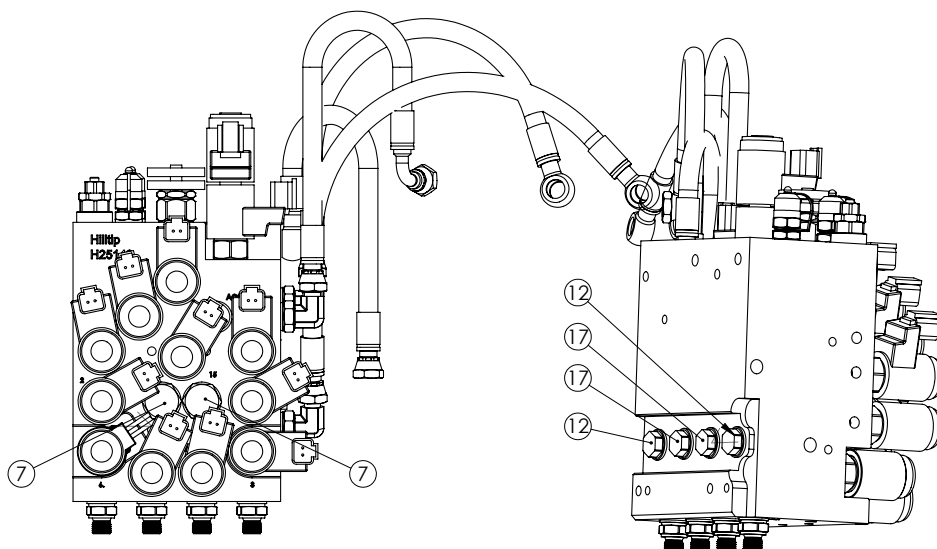
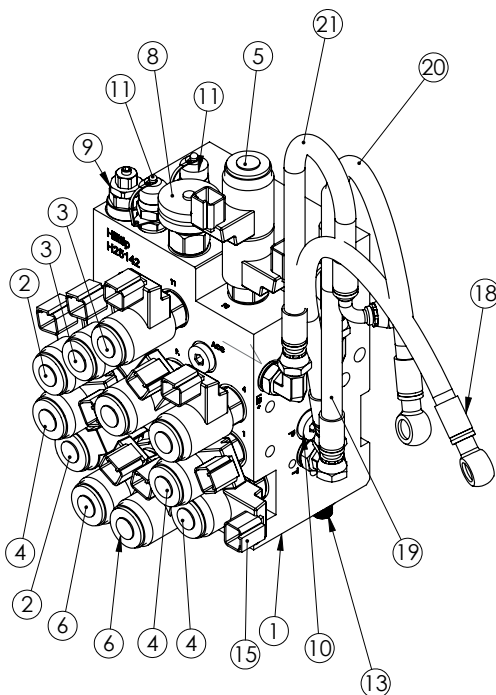
Item	Qty	Part no.	Description
1	1	H25141	Valve block
2	1	H23276	Valve
3	1	H23275	Valve
4	2	H25121	Relief and Anticav. Valve
5	2	H25120	2/2 Valve NC
6	1	H23271	Flow valve
7	1	H23277	Pressure relief valve
8	1	HH14910	Plug
9	2	HH13008	Sealing washer
10	2	HH15837	Pressure gauge adaterM16x2- R1/8"
11	2	HH14437	Straight adapter
12	6	H23481	Coil 12V
	6	H26103	Coil 24V
13	4	HH14806	Elbow adapter
14	1	H25355	Hydraulic hose P.T
15	1	H25355	Hydraulic hose P.T
16	1	H25357	Hydraulic hose Lift -
17	1	H25356	Hydraulic hose Lift +



V-PLOW

HYDRAULIC MANIFOLD ASSEMBLY - H25869

Item	Qty	Part no.	Description
1	1	H25142	Valve block
2	4	H25119	Valve 2/2 NC
3	2	H25120	2/2 Valve NC
4	3	H25118	Valve 2/2 NO
5	1	H23275	Valve
6	2	H25117	Valve 2/2 NC
7	2	H25116	One-way valve
8	1	H23271	Flow valve
9	1	H23277	Pressure relief valve
10	2	HH14910	Plug
11	2	HH15837	Pressure gauge adater-M16x2- R1/8"
12	2	H23963	Relief and Anticav. Valve 220
13	4	HH14437	Straight adapter
14	4	HH13008	Sealing washer
15	13	H23481	Coil 12V
	13	H26103	Coil 24V
16	3	HH14806	90 deg fittin
17	2	H22400	Relief and Anticav. Valve 180
18	1	H25361	Hose assembly
19	1	H25362	Hose assembly
20	1	H25364	Hose assembly
21	1	H25363	Hose assembly

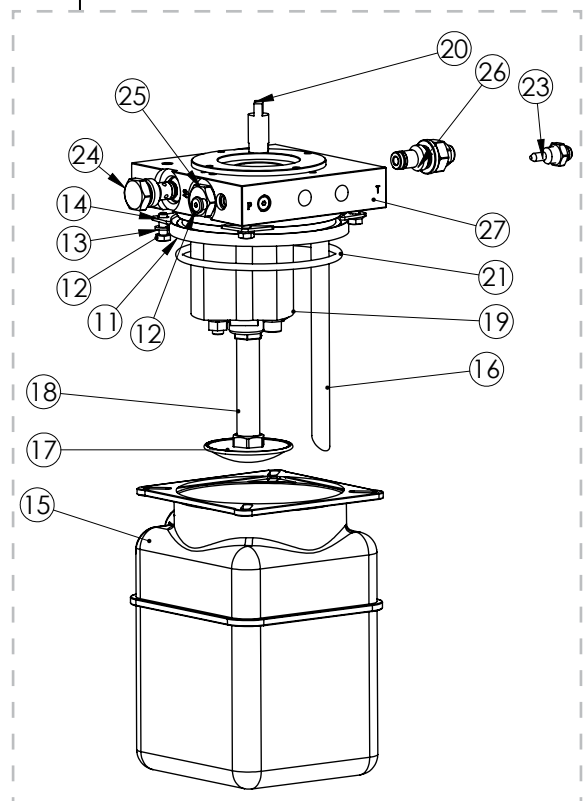
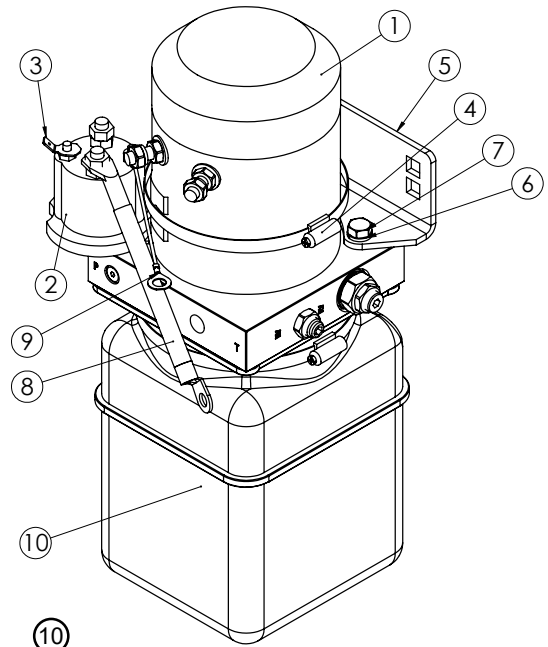


STRAIGHT-BLADE & V-PLOW

HYDRAULIC POWER PACK 12V - H41717

HYDRAULIC POWER PACK 24V - H41717_24

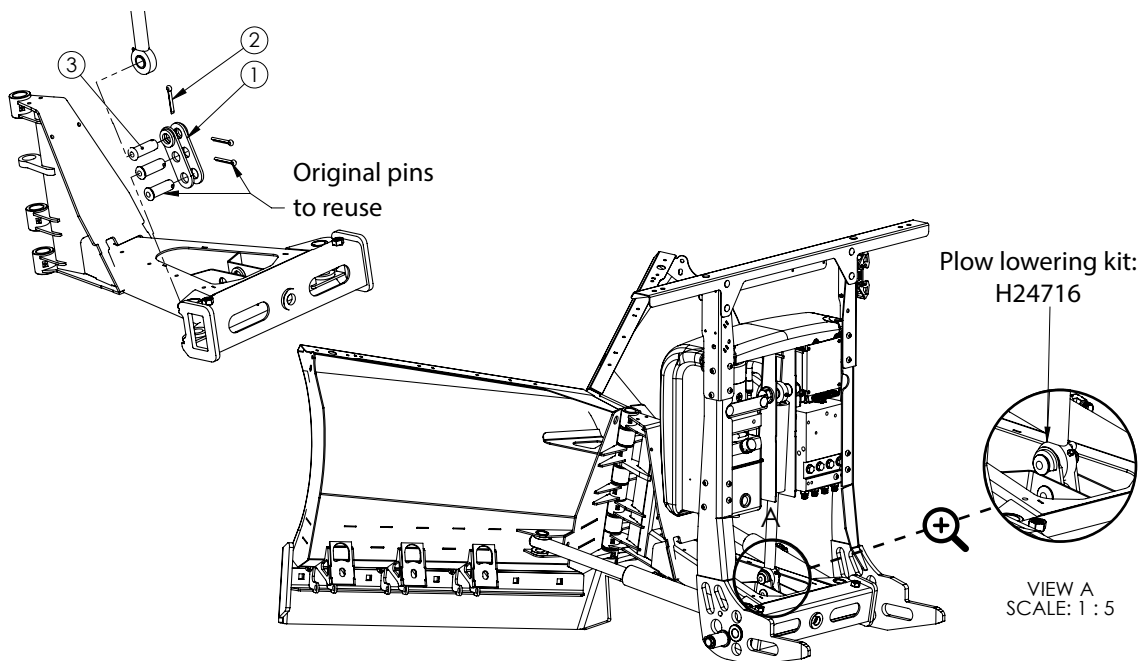
Item	Qty	Part no.	Description
1	1	H30474	Electric motor 12V
	1	H30475	Electric motor 24V
2	1	H24517	Start solenoid 12V
	1	H28014	Start solenoid 24V
3	1	H30525	Spade connector
4	1	H41790	Hose clamp 110-130mm
5	1	H24706	Pump bracket
6	2	HF10502	DIN 127B M8 A4
7	2	HF10743	Hex Bolt M8x20
8	1	H30526	Solenoid cable assembly 25mm ²
9	1	H30528	Solenoid cable assembly 1,5mm ²
10	1	H42241	2,5 l Tank pre assembly
11	1	H41791	Hose clamp 120-140mm
12	4	HF19445	DIN 933 A2 M6x16
13	4	HF19446	DIN 127 A2 M6
14	4	H41724	Tank washer
15	1	H41719	Plastic tank 2,5L
16	1	H41811	Return pipe
17	1	H41721	Suction strainer
18	1	H41810	Suction pipe
19	1	H41718	Pump
20	1	H41818	Pump adapter
21	1	H41817	O-Ring
22	2	H41816	Oil plug 5/16-24
23	1	H41815	Flow control valve
24	1	H41814	Check valve
25	1	H41813	Oil plug
26	1	H41812	Relief valve
27	1	H41720	Pump central manifold



STRAIGHT-BLADE & V-PLOW PLOW LOWERING KITS

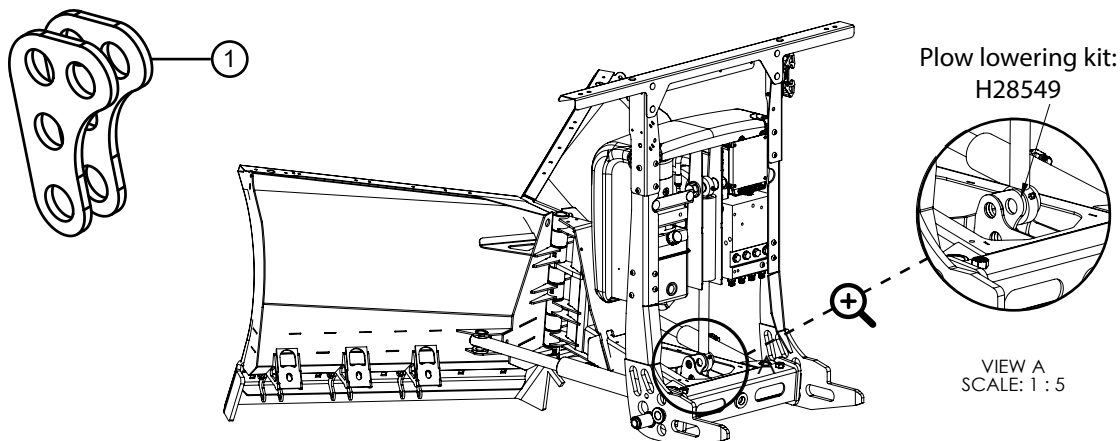
VERSION 1 - H24716

Item	Qty	Part no.	Description
1	2	H24717	Bracket
2	3	HF19357	Pin DIN 94 6.3x40 A2
3	3	H23914	Pin



VERSION 2 - H28549

Item	Qty	Part no.	Description
1	2	H28548	Plow lowering plate



STRAIGHT-BLADE & V-PLOW HARNESSES

Part no.	Description
H30591	Vehicle side harness VP and SP plows with Deutsch connectors
H25336	Plow side harness - VP (Deutsch connector)
H24191	Plow side harness - SP (Deutsch connector)
H23941	VP & SP Plow side harness (AMP connector)



Part no.	Description
H25177	Plow valve harness - VP (Block version 2)
H25178	Plow valve harness - SP
H23706	Plow valve harness - VP (Block version 1)

Part no.	Description
H25923	VUTV Plow side harness
H25924	VUTV & SUTV vehicle side harness
H25925	SUTV Plow side harness



STRAIGHT-BLADE & V-PLOW LIGHT MODULES

Part no.	Description	Brand
H25283	IR & IA DL, Isolation Relay system	Ford Ranger / Transit
H25190-1		Nissan Navara D23 / MB-X /Renault Alaska (with LED or Xenon)
H26106	For Toyota Hilux with LED	Toyota Hilux
H27177		Volkswagen T6
H24791-3	NSR & IA DL	All other brands
H25360-1	Com. pos. vehicle with LED plow lights	Jimny, Piaggio, DFSK
H26314	NSR & IA DL 24V	



STRAIGHT-BLADE JOYSTICK

Determine the joystick version by looking at the serial number at the back of the joystick:

Version	Qty	Part no.	Description
8 →	1	H25271	Straight-blade joystick

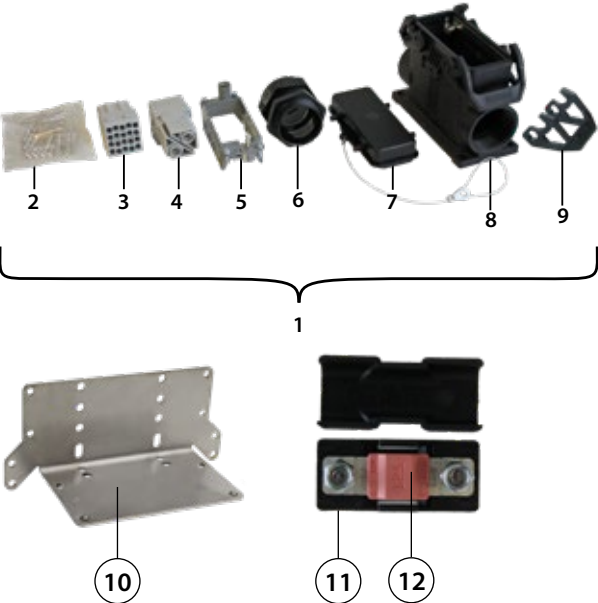
V-PLOW JOYSTICK

Determine the joystick version by looking at the serial number at the back of the joystick:

Version	Qty	Part no.	Description
10 →	1	H25377	V-plow joystick
1 →	1	H30504	Joystick VP with tip button (Quick-movement function)

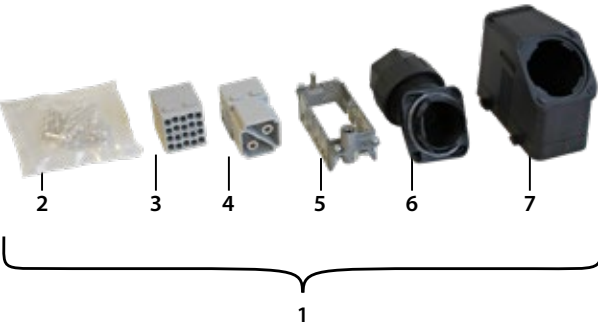


CONNECTORS



Item	Qty	Part no.	Description
1	1	H25748	Vehicle side harness connector
2	1	H25822	Terminal kit (5 pcs 0.5mm ² + 15 pcs 1,5 mm ²)
3	1	H25795	Insert module
4	1	H25796	Insert module
5	1	H25797	Carrier frame
6	1	H25757	Cable gland 40x1,5
7	1	H25798	Cover
8	1	H25799	Housing
9	2	H30578	Double locking latch

10	1	H23738	Bracket
11	1	H26129	Fuse holder midval small
12	1	H22885	Fuse midval 125 A, pink

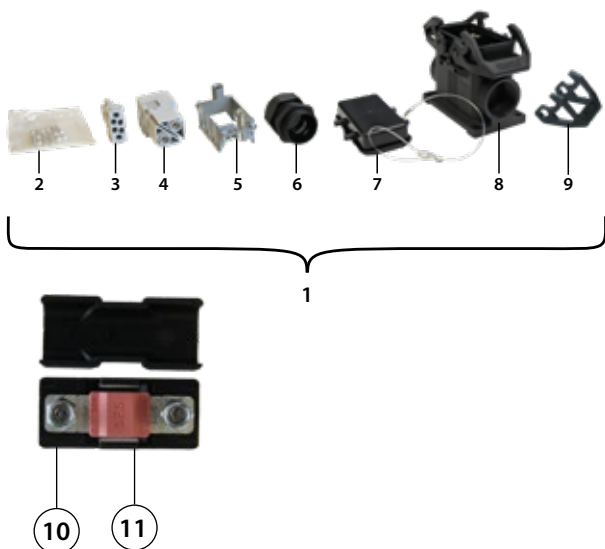


Item	Qty	Part no.	Description
1	1	H25749	Plow side harness connector
2	1	H25824	Terminal kit (20 pcs 1,5 mm ²)
3	1	H25801	Insert module
4	1	H25800	Insert module
5	1	H25802	Carrier frame
6	1	H25756	Cable gland
7	1	H25810	Housing



Item	Qty	Part no.	Description
1	1	H25767	Plow side harness connector holder

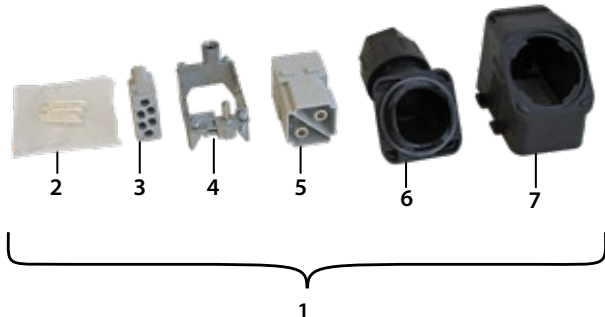
For plows without light kit



Item	Qty	Part no.	Description
1	1	H25750	Vehicle side harness connector (for plows without light kit)
2	1	H25825	Terminal kit (5 pcs 0,5mm ²)
3	1	H25762	Insert module
4	1	H25796	Insert module
5	1	H25763	Carrier frame
6	1	H25764	Cable gland
7	1	H25803	Cover
8	1	H25765	Housing
9	2	H30578	Double locking latch

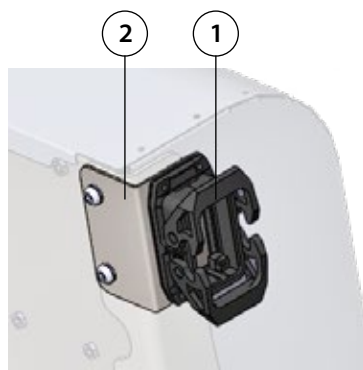
10	1	H26129	Fuse holder midval small
11	1	H22885	Fuse midval 125 A, pink

For plows without light kit



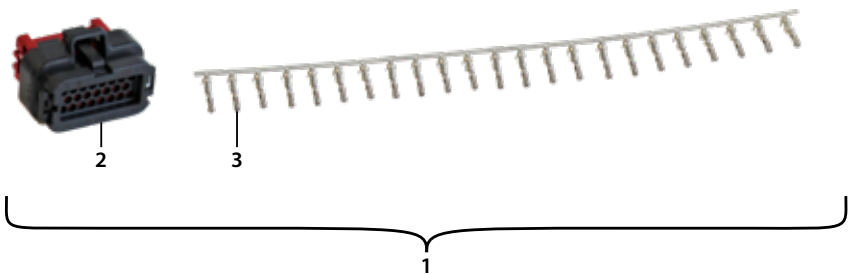
Item	Qty	Part no.	Description
1	1	H25751	Plow side harness connector (For plows without light kit)
2	1	H25823	Terminal kit (5 pcs 1,0 mm ²)
3	1	H25758	Insert module
4	1	H25759	Carrier frame
5	1	H25800	Insert module
6	1	H25760	Cable gland
7	1	H25828	Housing

For plows without light kit

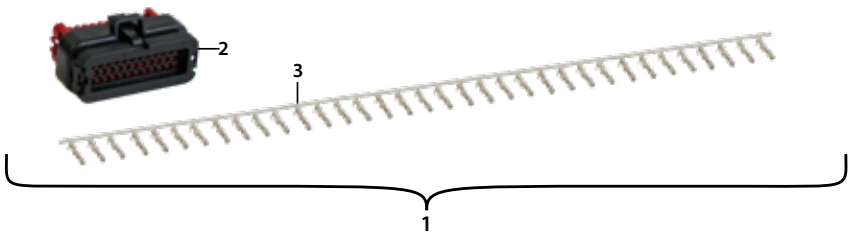


Item	Qty	Part no.	Description
1	1	H25766	Plow side harness connector holder (For plows without light kit)
2	1	H25453	Bracket





Item	Qty	Part no.	Description
1	1	H25746	Connector
2	1	H24128	Housing 23 pin
3	1	H25811	Female terminals (35 pcs)



Item	Qty	Part no.	Description
1	1	H25747	Connector
2	1	H21955	Housing 35 pin
3	1	H25811	Female terminals (35 pcs)



Oy Hilltip Ab

Pukkisaarentie 6
FIN-68600 Pietarsaari
Finland

📞 +358 50 5983 026

www.hilltip.com
info@hilltip.com