



PARTS LIST

STRAIGHT-BLADE & V-PLOW

Part assembly	Straight-blade	V-plow
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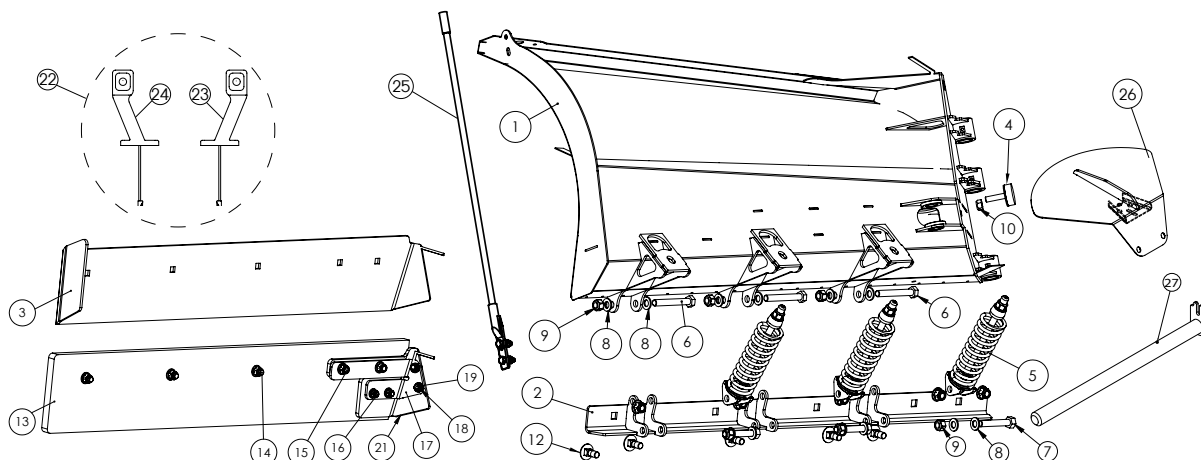
V-PLOW

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		Left	H27801	H24904	H27119	H27117	H27194	H29231	Plow wing, left
	1		Right	H27790	H24911	H27120	H27118	H27195	H29243	Plow wing, right
2	1		Left	H27806	H24914	H24479	H23308	H24932	H29247	Scraper bracket, left
	1		Right	H27796	H24916	H24480	H23311	H24934	H29248	Scraper bracket, right
3	1		Left	H27807	H24918	H24483	H23362	H24936	H29251	Steel edge, left
	1		Right	H27797	H24919	H24484	H23363	H24937	H29252	Steel edge, right
4	1			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		Left	H29289	H26905	H26906	H26907	H26908	H29257	Polyurethane edge, left
	1		Right	H29289	H26905	H26906	H26907	H26908	H29257	Polyurethane edge, right
	1			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		Left			H24388				Center bracket
	1		Right			H24389				Center bracket
18	8	HF15370								M10 flanged nylock
19	4	HF13734								Lockbolt M10
21	1		Left			H24387				Center edge
	1		Right			H24387				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			H27705	H24081	H24082	H24083	H24986	H29187	Snowdeflector KIT (polyurethane)

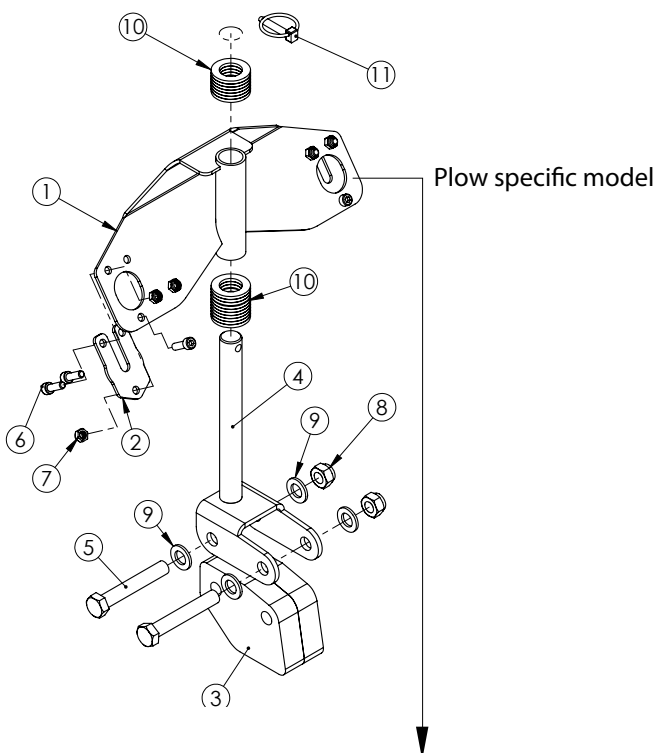
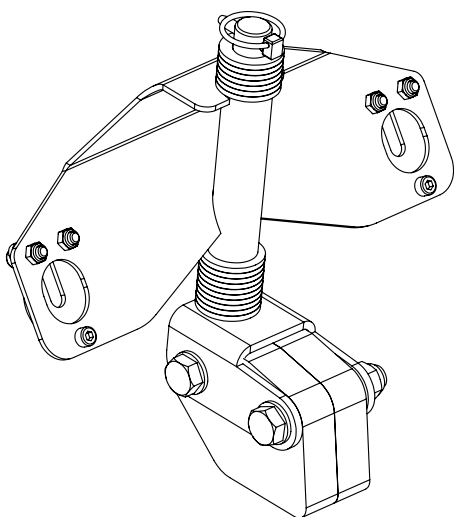
ns = not shown



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



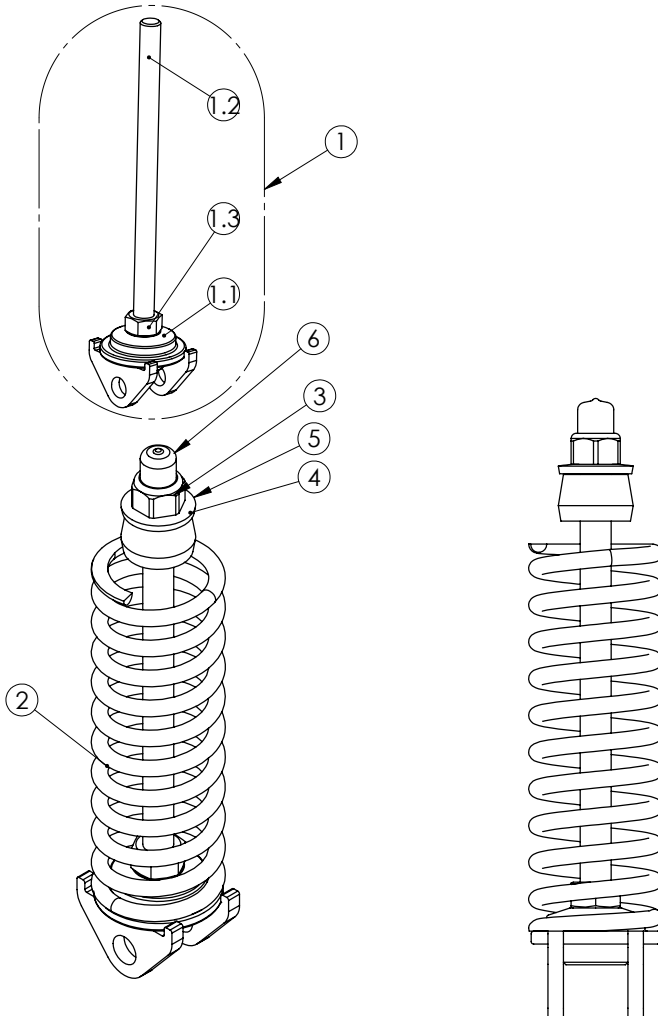
Plow model	Kit no.	Including
1650-SP/VP	H26075	parts 1-11
1850-SP/VP	H26076	parts 1-11
2100-SP/VP	H26077	parts 1-11
2250-SP/VP	H26078	parts 1-11
2400-SP/VP	H26079	parts 1-11

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	



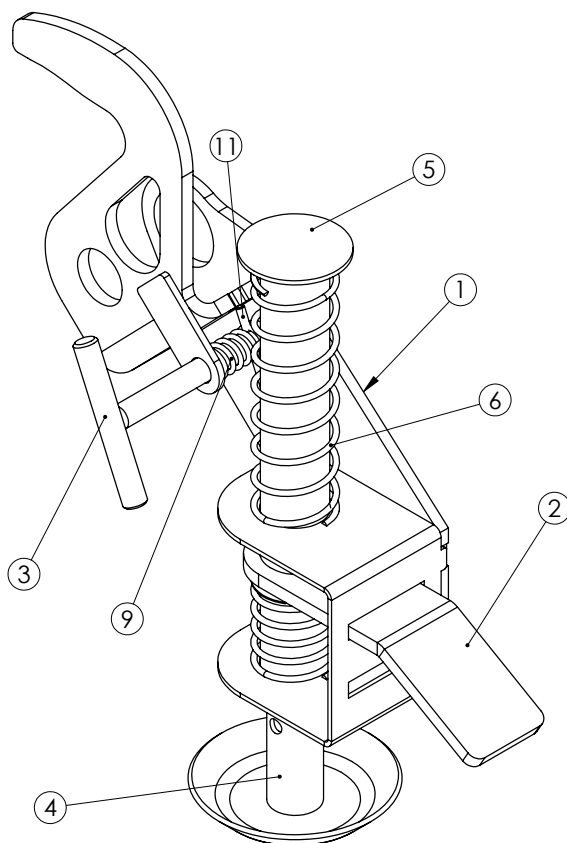
STRAIGHT-BLADE & V-PLOW

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

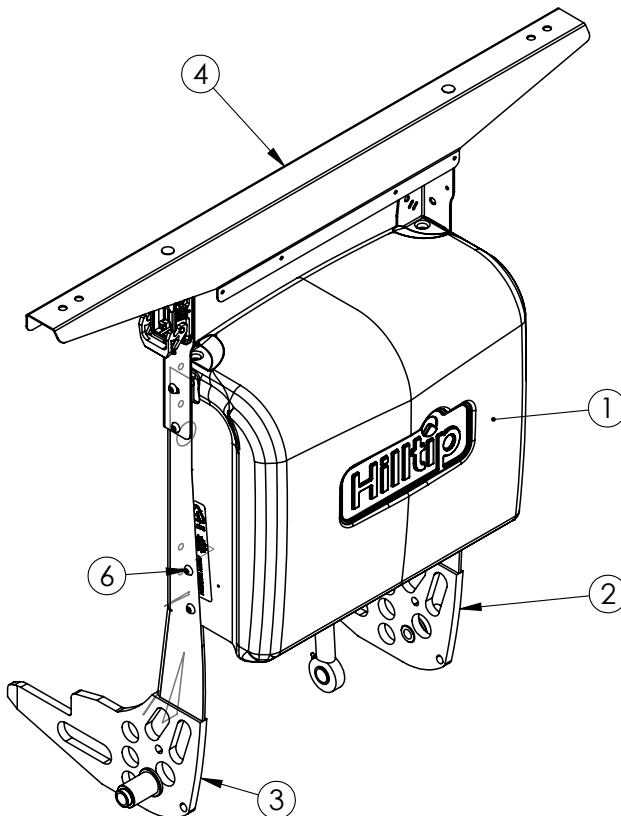


LIFTFRAME (LIGHT TOWER + MOTOR UNIT)

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

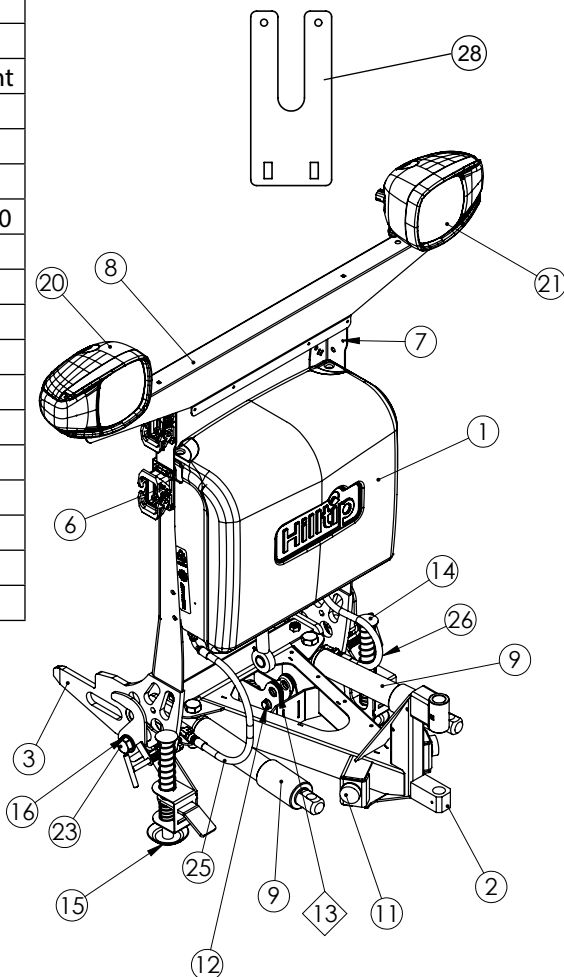
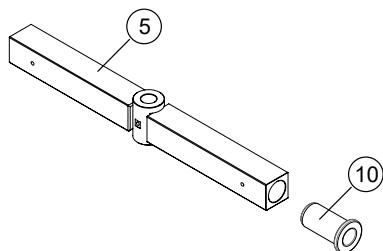


LIFT FRAME PRE-ASSEMBLY

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

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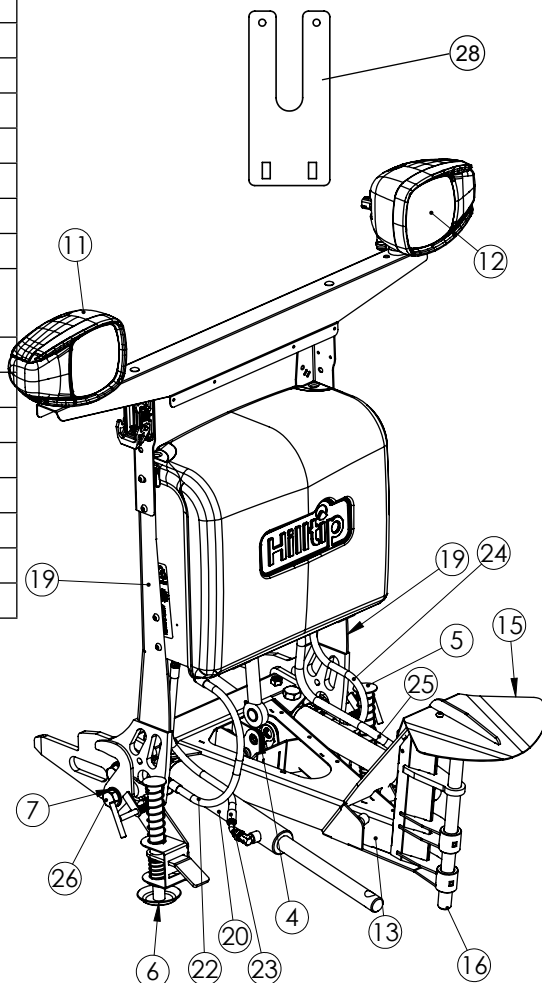
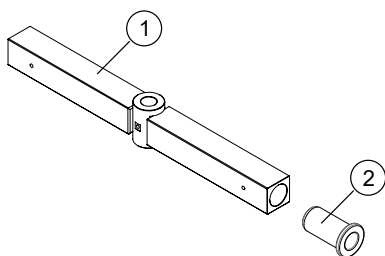


LIFT FRAME PRE-ASSEMBLY

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
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

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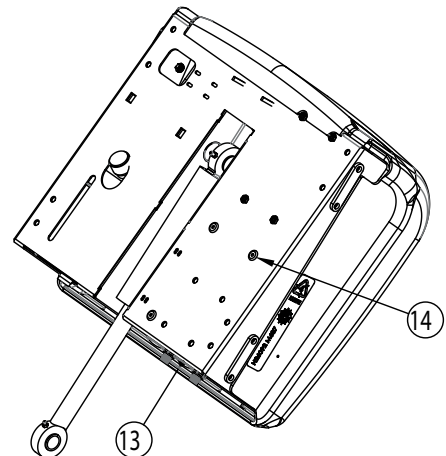
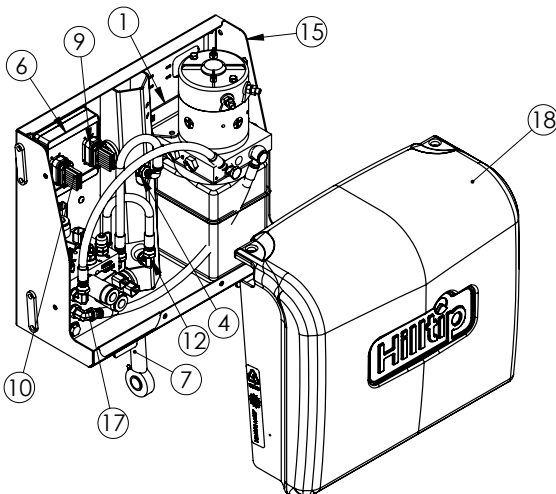


MOTOR VALVE UNIT

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	Cylinder lift
ns	4	HH13100	Cu washer13,5/18
9	1	H25982	Valve cable harness SP
10	1	H23941	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

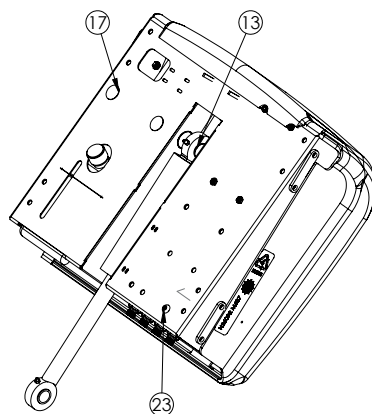
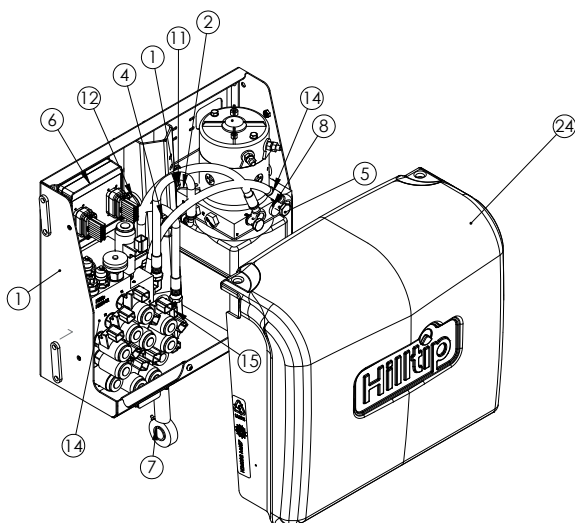
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MOTOR VALVE UNIT

KIT FOR V-PLOW: H25868

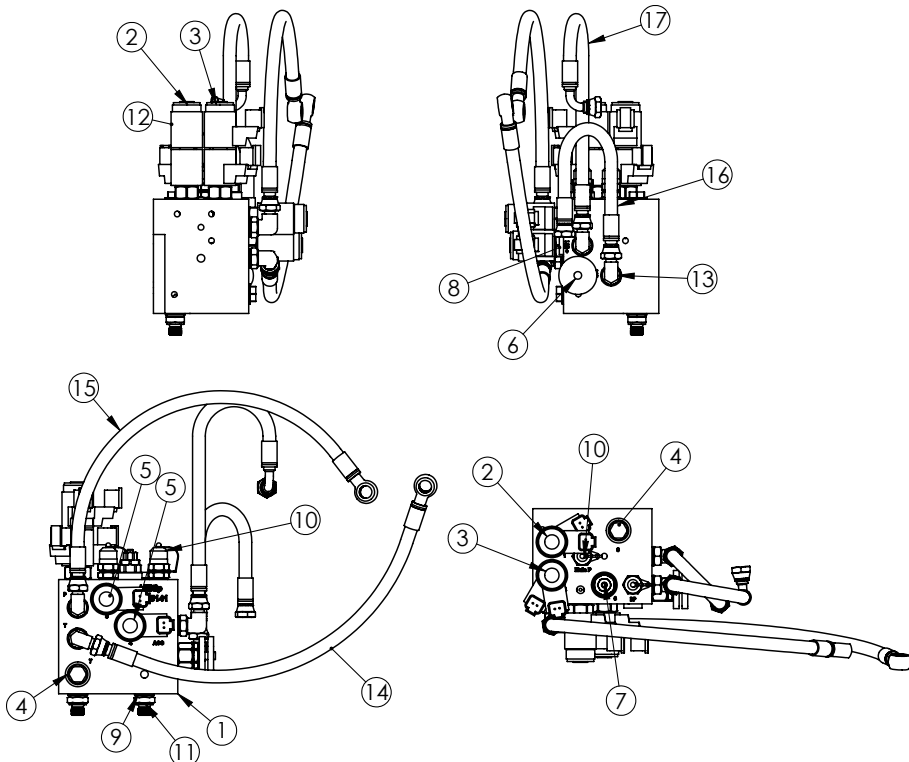
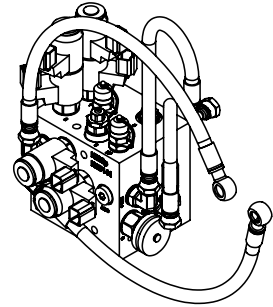
Item	Qty	Part no.	Description
1	1	H24776	Motor box
2	1	H23637	Pump bracket
ns	1	HH13008	Sealing washer
4	1	HH14437	Straight adapter
5	2	HH11242	Banjo bolt 1/4"
6	1	H23939	Plow module
7	1	H23845	Cylinder lift
8	4	HH13100	Cu washer13,5/18
ns	1	H23940	Valve cable harness
ns	1	H23941	Plow cable harness
11	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



STRAIGHT-BLADE

HYDRAULIC MANIFOLD ASSEMBLY - H25971

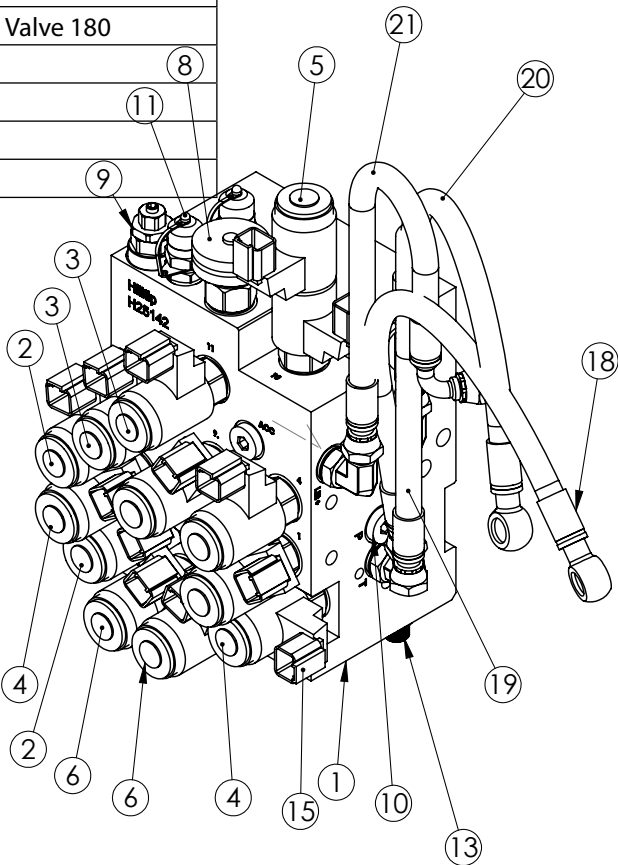
Item	Qty	Part no.	Description
1	1	H25141	Valve block
2	1	H23276	Valve
3	1	H23275	Valve
4	2	H25121	Relief and Anticav. Valve
5	2	H25120	2/2 Valve NC
6	1	H23271	Flow valve
7	1	H23277	Pressure relief valve
8	1	HH14910	Plug
9	2	HH13008	Sealing washer
10	2	HH15837	Pressure gauge adaterM16x2- R1/8"
11	2	HH14437	Straight adapter
12	6	H23481	Coil 12V
12	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

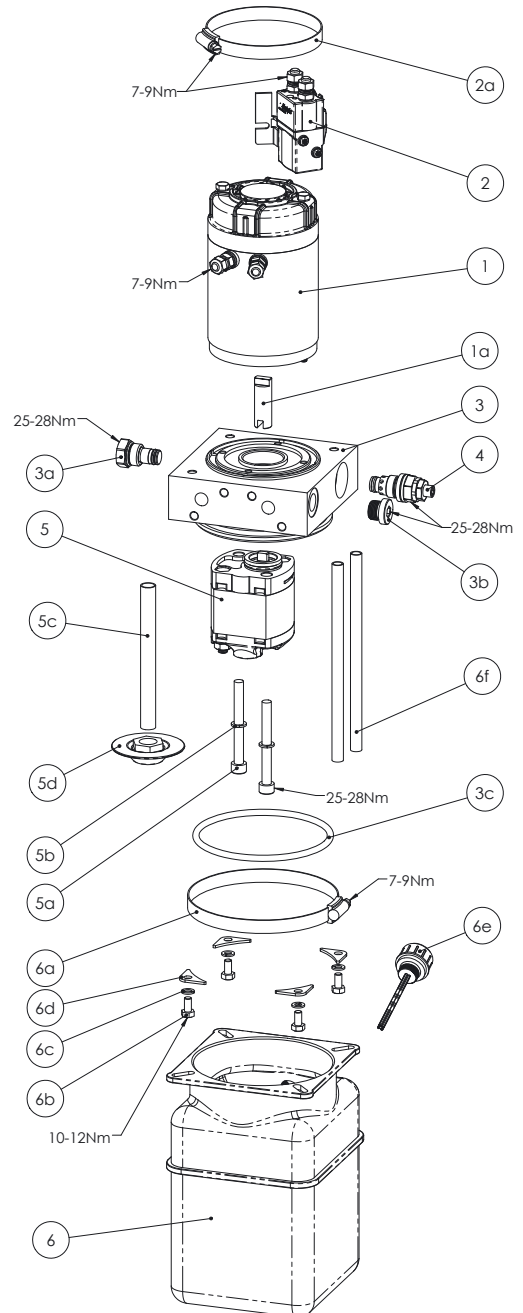
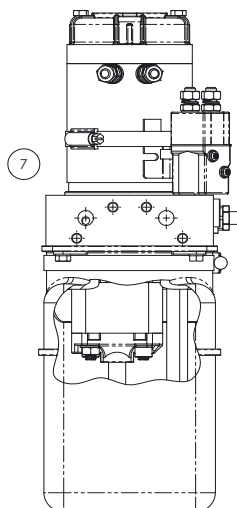
Item	Qty	Part no.	Description
1	1	H25142	Valve block
2	4	H25119	Valve 2/2 NC
3	2	H25120	2/2 Valve NC
4	3	H25118	Valve 2/2 NO
5	1	H23275	Valve
6	2	H25117	Valve 2/2 NC
7	2	H25116	One-way valve
8	1	H23271	Flow valve
9	1	H23277	Pressure relief valve
10	2	HH14910	Plug
11	2	HH15837	Pressure gauge adaterM16x2- 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
15	13	H26103	Coil 24V
16	3	HH14806	90deg fitting
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 - H23942 HYDRAULIC POWER PACK 24V - H28012

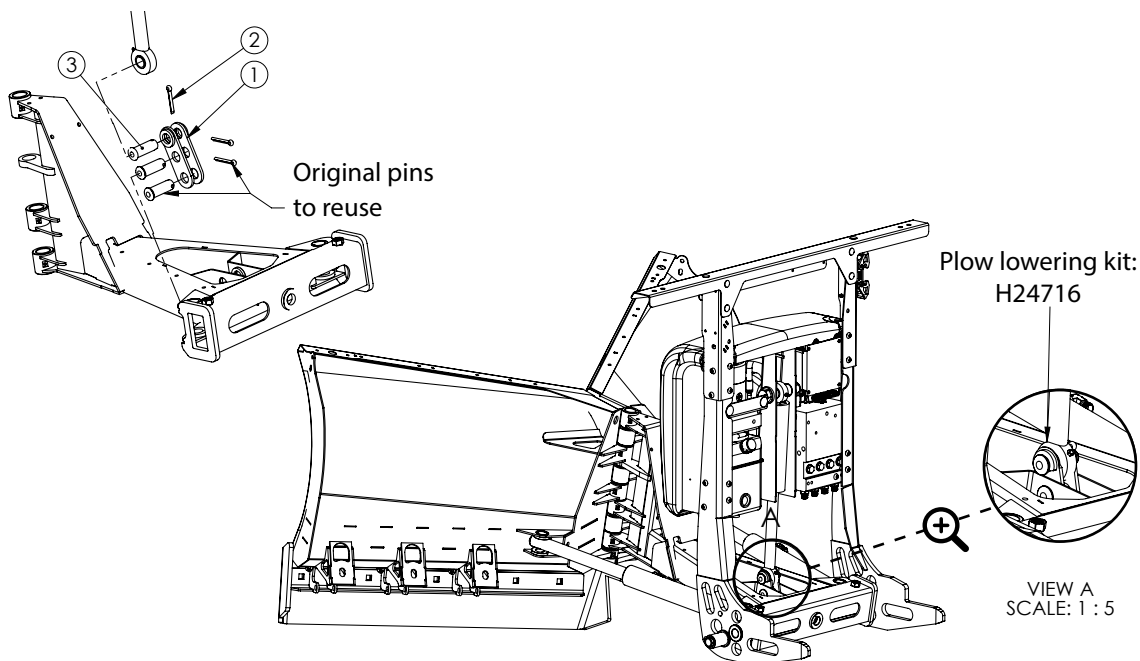
Item	Qty	Part no.	Description
1	1	H24515	Motor 12V
1	1	H28013	Motor 24V
1a	1	H24516	Coupling
2	1	H24517	Start switch 12V
2	1	H28014	Start switch 24V
2a	1	H24518	Hose clamp
3	1	H24519	Adapter block
3a	1	H24520	Check valve
3b	1	H24521	Plug
3c	1	H24522	O-ring
4	1	H24523	Relief valve
5	1	H24524	Pump
5a	2	H24525	Screw
5b	2	H24526	Spring washer
5c	1	H24527	Suction hose </td
5d	1	H24528	Suction filter
6	1	H24529	Tank
6a	1	H24530	Hose clamp
6b	4	H24531	Bolt
6c	4	H24532	Spring washer
6d	4	H24533	Triangle washer
6e	1	H24534	Tank breather
6f	2	H24535	Return hose
7	1	H23942	Power unit "assembled"



STRAIGHT-BLADE & V-PLOW PLOW LOWERING KITS

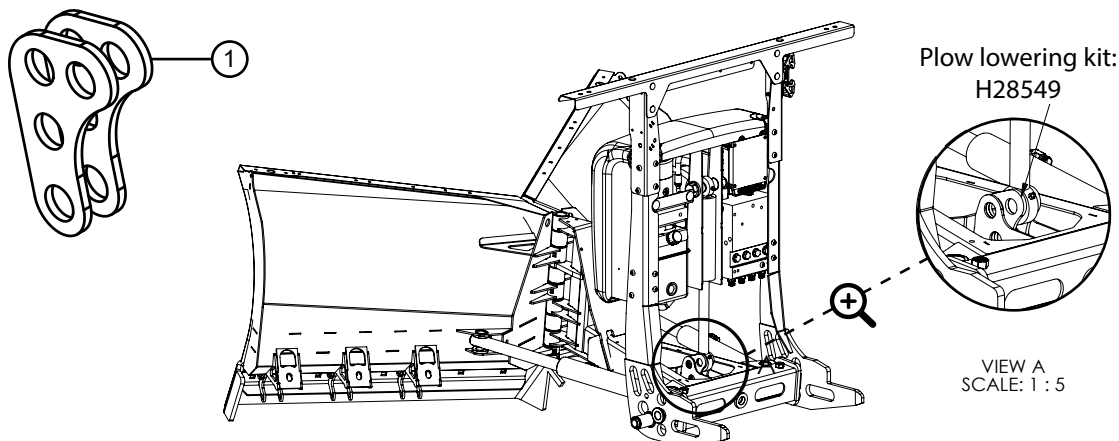
VERSION 1 - H24716

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
H24230	VP & SP vehicle side harness
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, 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
H24791-1	NSR & IA	All other brands
H25360-1	Com. pos. vehicle with LED plow lights	Jimny, Piaggio, DFSK
H26314	NSR & IA 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
1, 2, 8, 9	1	H25271	Straight-blade joystick version 1, 2, 8, 9

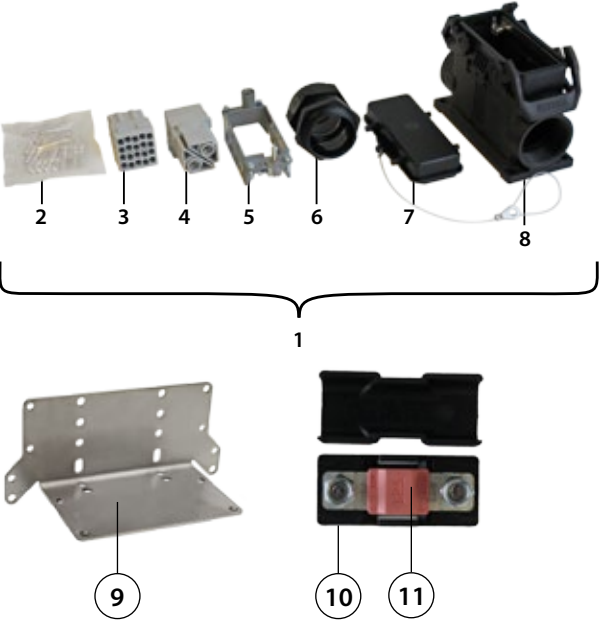
V-PLOW JOYSTICK

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

Version	Qty	Part no.	Description
1-6	1	H23944	V-plow joystick, version 1-6
7-9	1	H25377	V-plow joystick, version 7-9

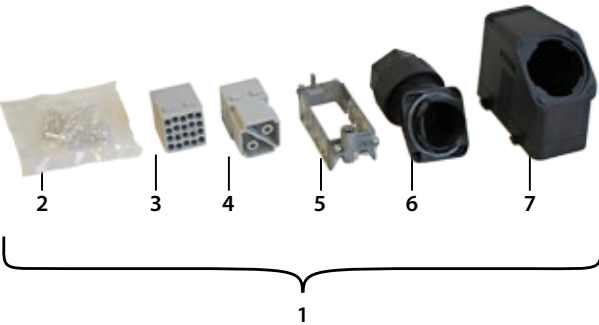


CONNECTORS



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

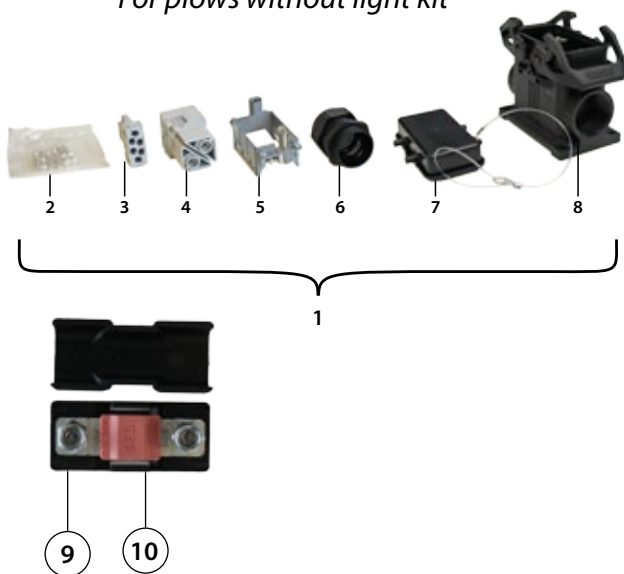


Item	Qty	Part no.	Description
1	1	H25749	Plow side harness connector
2	1	H25824	Terminal kit (20 pcs 1,5 mm ²)
3	1	H25801	Insert module
4	1	H25800	Insert module
5	1	H25802	Carrier frame
6	1	H25756	Cable gland
7	1	H25810	Housing



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

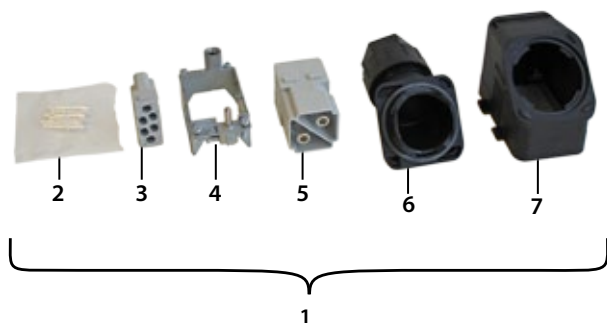
For plows without light kit



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

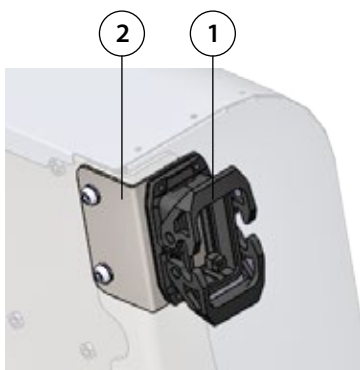
9	1	H26129	Fuse holder midval small
10	1	H22885	Fuse midval 125 A, pink

For plows without light kit



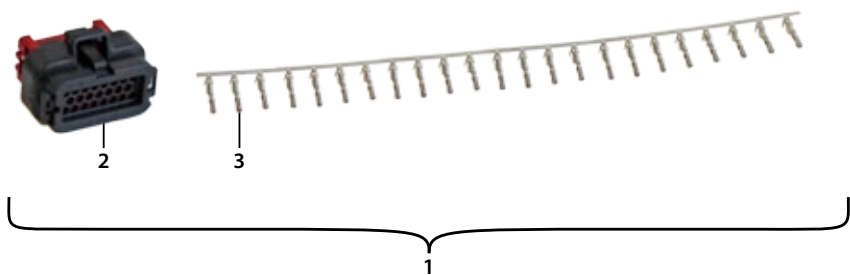
Item	Qty	Part no.	Description
1	1	H25751	Plow side harness connector (For plows without light kit)
2	1	H25823	Terminal kit (5 pcs 1,0 mm ²)
3	1	H25758	Insert module
4	1	H25759	Carrier frame
5	1	H25800	Insert module
6	1	H25760	Cable gland
7	1	H25828	Housing

For plows without light kit

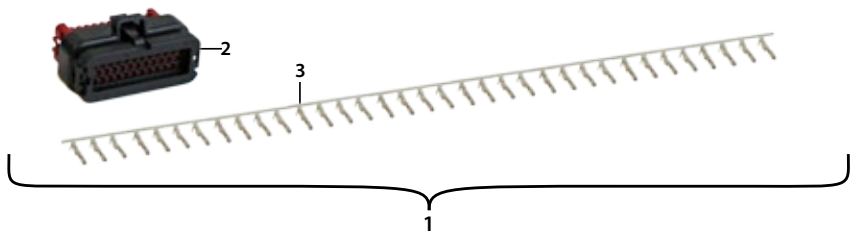


Item	Qty	Part no.	Description
1	1	H25766	Plow side harness connector holder (For plows without light kit)
2	1	H25453	Bracket





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)



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