September 18, 2024
Version 1.9

Hilltip

Ice STRIKER™

PARTS LIST

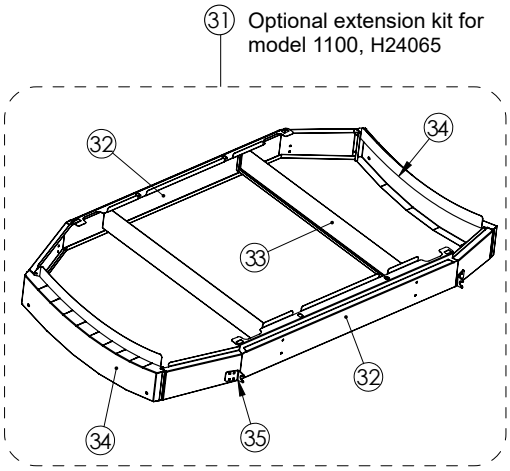
550-1100 LITER POLY ELECTRIC SPREADER
(US 800-1450 POLY ELECTRIC SPREADER)

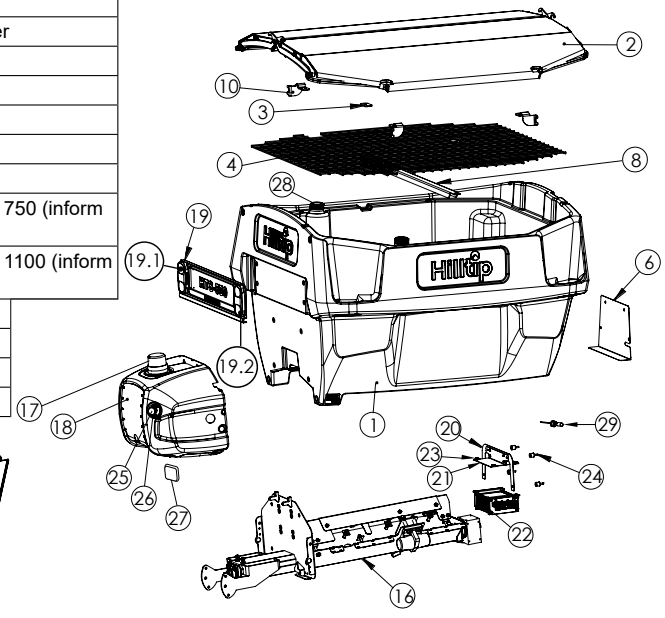
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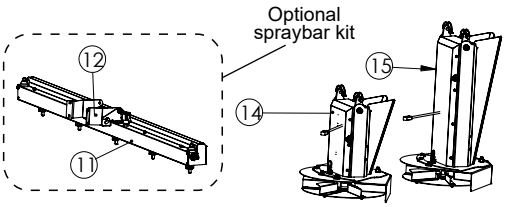
This manual replaces all editions with an earlier date.

SPREADER ASSEMBLY

Item	Qty	Part no.	Description	Red	Orange	Gray
1	1		IceStriker 550 & 750	H21700	H21701	H21702
	1		IceStriker 850 & 1100	H21801	H21802	H21803
2	1	H21768	Cover assembly (550)			
	1	H22115	Cover assembly (850)			
3	2	H21763	Bracket			
4	1	H21727	Top screen (550 & 750)			
	1	H22133	Top screen (850 & 1100)			
6	1	H21776	Cover plate			
8	1	H22485	Plate			
10	2	H21787	Bracket (right)			
	2	H21788	Bracket (left)			
11	1	H22583	Bar assembly (optional)			
12	1	H23700	Bracket (optional)			
14	1	H24418	Chute assembly (non-current model)			
	1	H42710	Chute assembly (current production model)			
ns	1	H25110	Medium chute assembly (non-current model)			
15	1	H24465	Long chute assembly (non-current model)			
16	1	H25630	Auger drive assembly			
17	1	H22224	Beacon light			
18	1	H28122	Pre-assembled rear cover			
19	1	H21307	Rear light & license plate kit			
19.1	1	H22401	LED rear light assembly, drivers side			
19.2	1	H22402	LED rear light assembly, passenger side			
ns	1	H23437	Cable/7-pin harness			
ns	1	H23436	Cable/13-pin harness			
20	1	H24142	Plate			
21	1	H24143	Bracket			
22	1	H22096	Spreader module 12V			
	1	H30471	Spreader module 24V			
23	4	HF19340	Cage nut M5 Stainless			
24	4	H24772	Vibration dampener SS			
25	1	H22220	Emergency stop button			
26	1	H27644	Emergency stop protective cover			
27	1	H21864	LED work light red (optional)			
	1	H26681	LED work light white (optional)			
28	1	H22091	Tank cap			
29	1	H22645	Level sensor			
ns	1	H22112	Spreader fastening kit			
31	1	H27024	Optional extension kit for model 750 (inform color when placing order)			
	1	H24065	Optional extension kit for model 1100 (inform color when placing order)			
32	2	H24066	Side extension			
33	2	H24071	Cross bar for extension			
34	2	H24068	Short side extension			
35	4	H24423	Bracket			



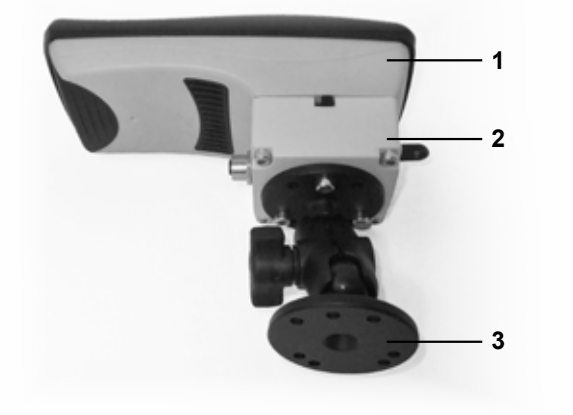




ELECTRICAL COMPONENTS

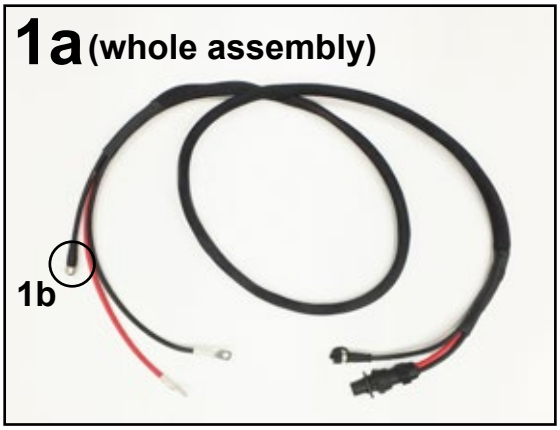
Part no.	*Description*
H21694	Vehicle side harness assembly
H22120	Extension harness 5m (optional)
H23205	Extension harness 2m (optional)
H21913	Controller Assembly
H25054	Spreader side harness, 550
H25055	Spreader side harness, 850 & 1100
H22758	Spreader side harness to vehicle side harness, 550 & 850 & 1100 (battery + data cable)
H22096	Spreader module 12V
H30471	Spreader module 24V
H23206	GPS antenna kit
H26257	Optional passive GPS antenna
H22756	Vehicle side 8-pin harness
H22761	Spreader side 8-pin harness **(out in front)**
H23084	Work light split adapter cable (optional)

CONTROLLER ASSEMBLY - H21913

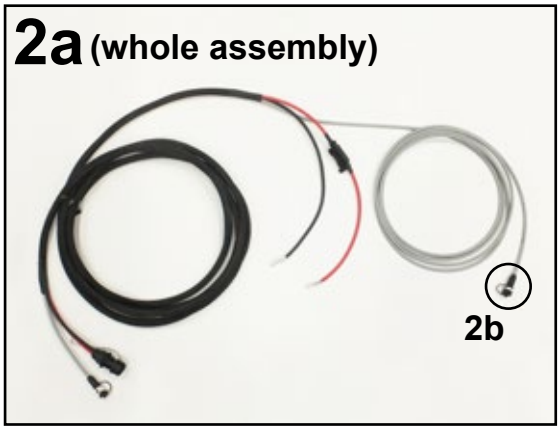


Item	*Part no.*	*Description*
1	H22739	Controller front
2	H22975	Controller circuit assembly
3	H22960	RAM mount

CABLES



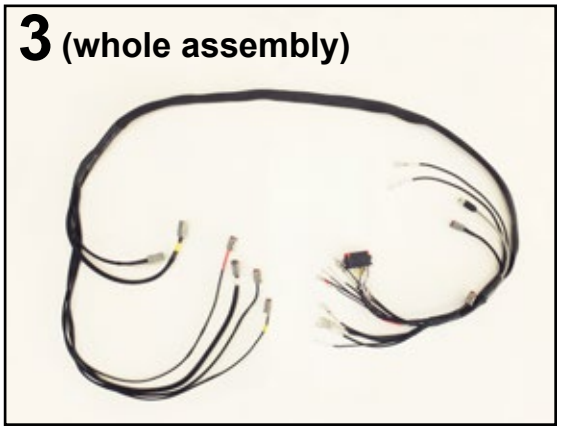
1a. **H22758** Spreader side harness to vehicle side harness (battery + data cable)
1b. **H22761** Spreader side 8-pin harness 2m



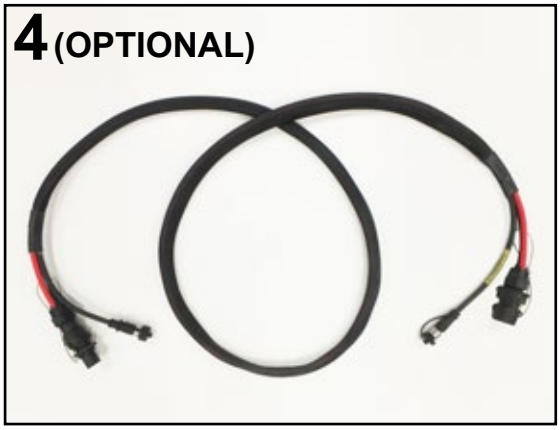
2a. **H21694** Vehicle side harness assembly
2b. **H22756** Vehicle side 8-pin harness

HEAVY DUTY HARNESS (OPTIONAL)

H30374 Vehicle side harness, Heavy Duty
H30375 Spreader side harness, Heavy Duty



3. **H25054** Spreader side harness, 550 & 750
H25055 Spreader side harness, 850 & 1100



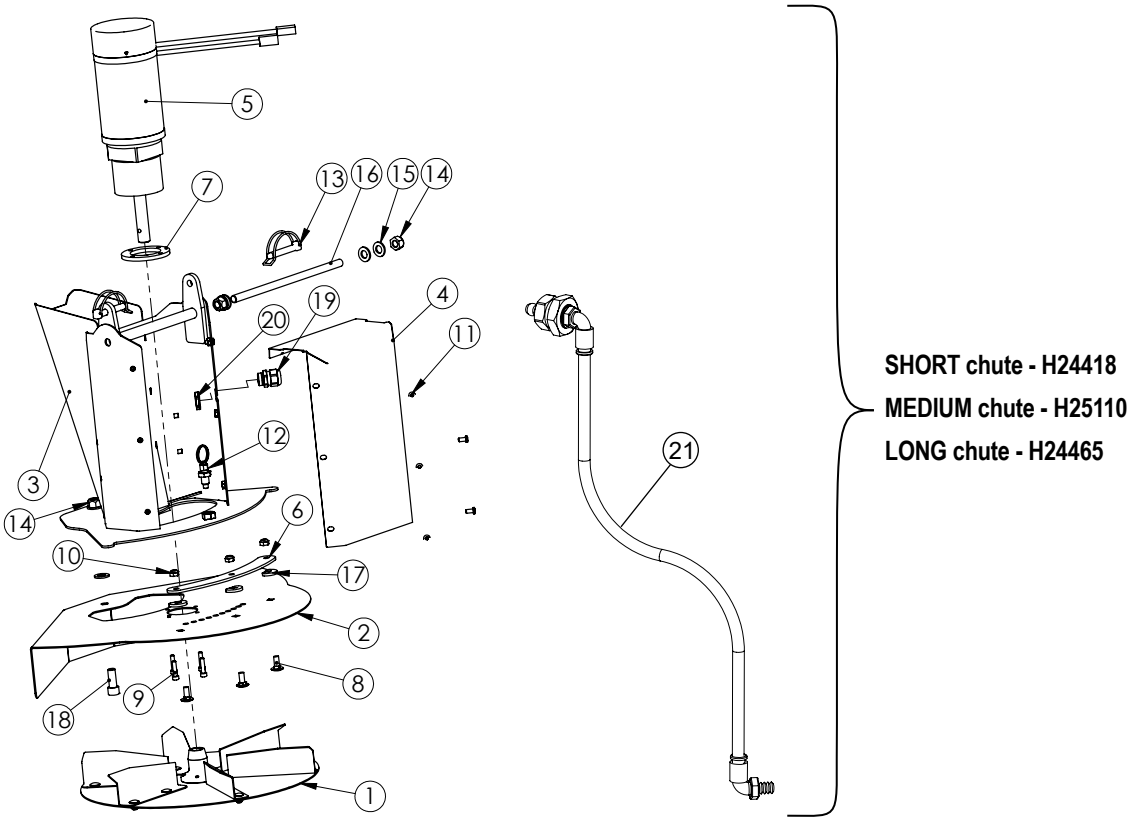
4. **H23205** Optional extension harness, 2m
H22120 Optional extension harness, 5m

See page 12-16 for list of cable connectors.

CHUTE ASSEMBLY

NOTE! Non-Current production model, serial number up to → xxxxx.20243012.015314

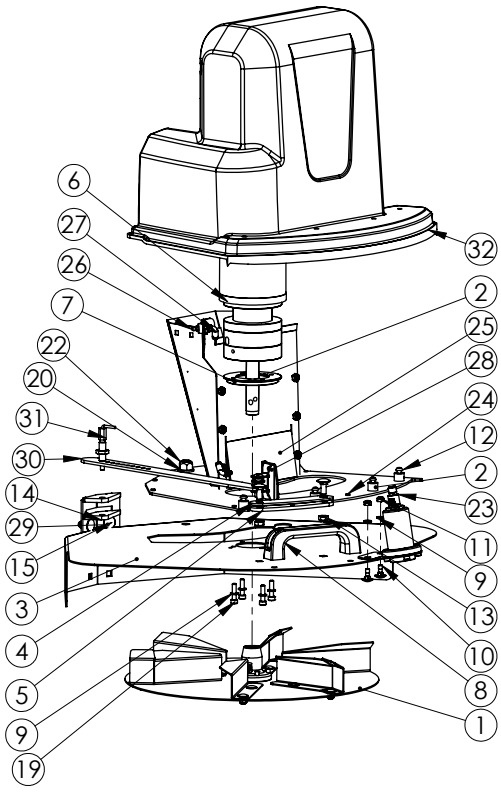
Item	*Description*	*Qty*	*Part no*		
			Short	**Medium (+15 cm)**	**Long (+25 cm)**
	Chute assembly	1	H24418	H25110	H24465
1	Spinner assembly	1	H43646		
2	Spinner cover	1	H22519		
3	Chute	1	H22523	H25111	H24466
4	Cover	1	H22522	H25115	H24469
5	Motor gearbox assembly	1	H24419		
6	Bracket	1	H22521		
7	Gearbox plastic spacer	1	H28523		
8	Lockbolt M8x20 A4 ISO 8677	3	HF10935		
9	Bolt M6x25 DIN 912 A4	4	HF10440		
10	Nylock M8 A4	3	HF10513		
11	Hexagon socket head bolt		HF19122 (6 pcs / 8 pcs / 8 pcs)		
12	Index plunger	1	H22644		
13	Pipe linch pin 10x60	2	H23210		
14	Nyloc DIN 985 M12 A4	3	HF10504		
15	Washer DIN 125 M12 A4	6	HF10480		
16	Thread bar M12	1	H25841		
17	Washer	3	H25140		
18	DIN 912 M12x30 A4	1	HF10390		
19	Cable gland M20x1,5	1	H21901		
20	Cable gland nut M20	1	H25842		
21	Spinner motor grease asembly	1	H43052		



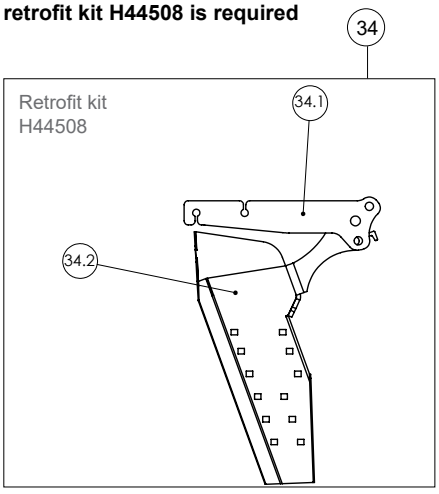
CHUTE ASSEMBLY - H42710

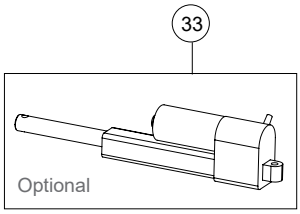
Item	Qty	Part no.	Description
1	1	H43646	Spinner assembly
2	1	H42698	Lower chute
3	1	H42696	Spinner cover
4	1	H41411	Plate
5	1	H42711	Distance 5mm
6	1	H24419	Motor gearbox assembly
7	1	H28523	Gearbox plastic spacer Ø90-8
8	1	H26949	Handle
9	6	HF10501	Washer M6 A4 DIN 127
10	2	HF10929	Lock bolt DIN603 M6x16 A4
11	2	HF10512	Lock nut M6 A4 DIN985
12	4	HF19123	ISO 7380 A4 M6x16 ISO 7380 A4 M6x16
13	2	HF10513	Nyloc nut DIN 985 M8 A4-80
14	4	HF10935	Lock bolt DIN 603 A4 M8x20
15	2	HF19405	Flange nyloc A4 M8
16	1	HF19411	ISO 7380 A4 M10x30 I
17	1	HF10479	Washer DIN 125 M10 A4
18	1	HF10503	Lock nut M10
19	4	HF10440	Bolt M6x25 DIN 912 A4
20	2	HF10480	Washer DIN 125 M12 A4
21	1	HF10389	DIN 912 M12x25 A4
22	1	HF10504	Nyloc DIN 985 M12 A4
23	1	H27706	EOM Sensor kit (optional)
24	6	H41302	Anti Friction plug
25	1	H41670	Nozzle 6mm,M16 Ø25-80 (optional)
26	1	HF16544	Grease nipple m6
27	2	HH16087	Adjustable 90deg CL connector 6mm/M6
28	1	H42232	Bracket
29	1	H42693	Linear bracket front
30	1	H42703	Adjuster arm
31	1	H44022	Indexing plunger M10
32	1	H42420	Spinner motor cover, black
33	1	H30664	12V Linear actuator 100mm (optional)
	1	H30665	24V Linear actuator 100mm (optional)
34	1	H44508	Non-current chute model → current chute model retrofit kit
34.1	2	H44016	Chute bracket
34.2	1	H44017	Upper chute bracket

NOTE! Current production model from March 2024, serial number starting from xxxxx.20243012.015315 →



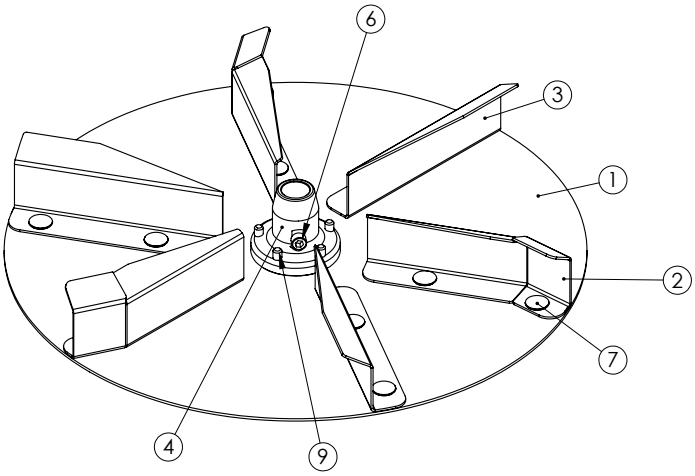
To upgrade the non-current chute model (serial number up to → xxxxx.20243012.015314) to the current model H42710 with serial number from → xxxxx.20243012.015315, **the retrofit kit H44508 is required**

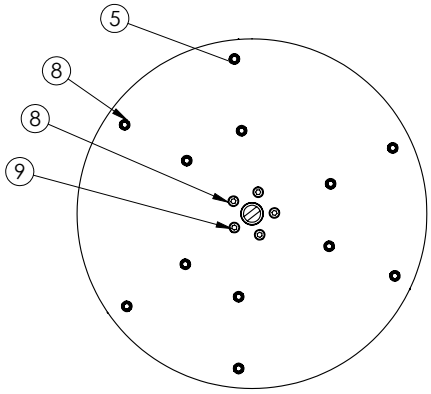




SPINNER ASSEMBLY - H43646

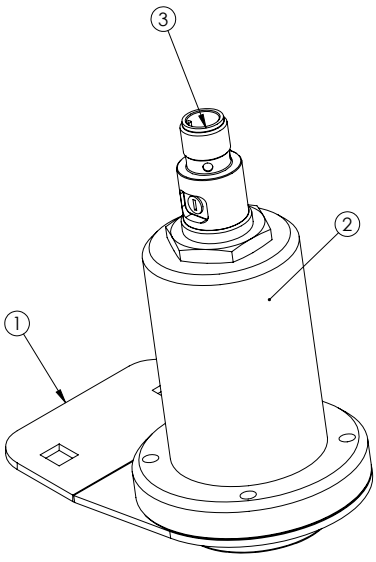
Item	*Qty*	*Part no.*	*Description*
1	1	H43647	Plate
2	3	H43648	Bended wing
3	3	H23083	Wing plate
4	1	H21756	Bush Ø60-52
5	13	HF10512	LOCK NUT M6 A4 DIN 985
6	1	HF10443	M6x40 DIN 4762 A4
7	12	HF19113	Lock bolt M6x12 A4
8	17	HF10501	Washer M6 A4 DIN 127
9	5	HF10439	Bolt M6x20 DIN 912 A4





END OF MATERIAL SENSOR KIT, OPTIONAL - H27706

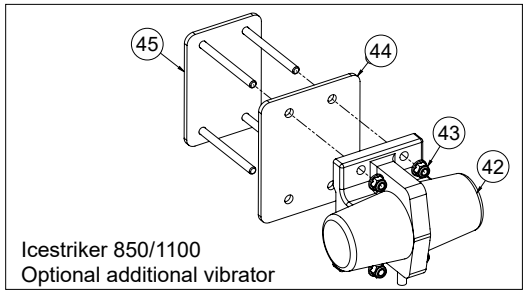
Item	*Qty*	*Part no.*	*Description*
1	1	H28019	Sensor bracket
2	1	H28020	Sensor cover
3	1	H28017	EOM sensor
ns	1	H30237	EOM sensor cable



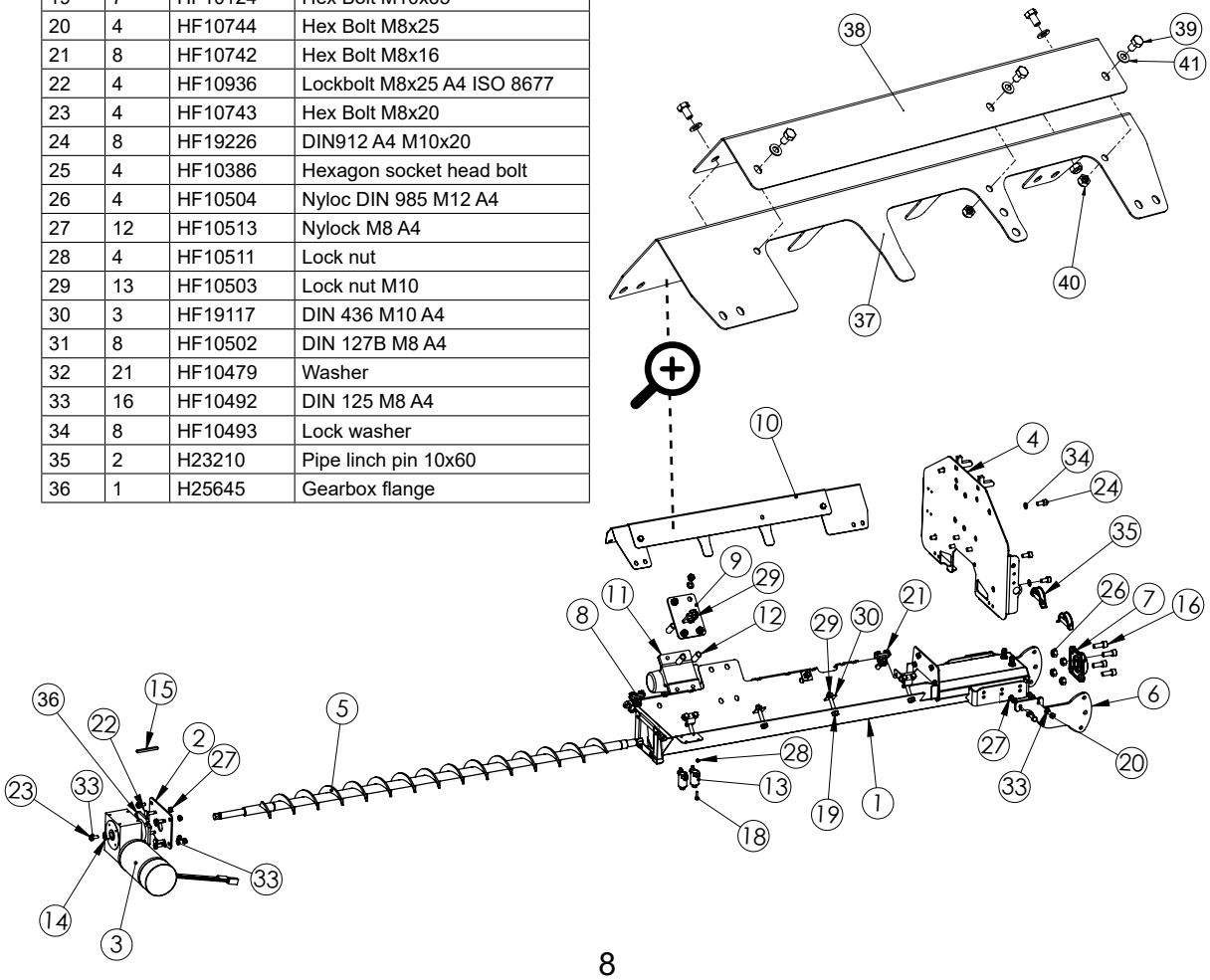
AUGER DRIVE ASSEMBLY - H25630

Item	Qty	Part no.	Description
1	1	H25102	Bottom chute
2	1	H27275	Old type Gearbox seal kit V3.0
		H27575	New type Gearbox seal kit V3.0
3	1	H28599	Auger Motor gearbox assembly
4	1	H24896	Back plate
5	1	H22513	Screw
6	2	H24895	Chute bracket
7	1	H23127	Flange bearing unit stainless
8	4	H21786	Bracket
9	1	H21820	Bracket
10	1	H22529	Invert V Kit adjustable
11	1	H22218	Vibrator 12V
	1	H41659	Vibrator 24V
12	4	H22080	Bush
13	2	H22910	Terminal block M8
14	1	H22081	Retaining ring
15	1	H22082	Parallel key
16	4	HF10390	DIN 912 M12x30 A4
17	2	HF10672	Hex Bolt M10x20
18	4	HF10429	M5x20 DIN 4762
19	7	HF10124	Hex Bolt M10x65
20	4	HF10744	Hex Bolt M8x25
21	8	HF10742	Hex Bolt M8x16
22	4	HF10936	Lockbolt M8x25 A4 ISO 8677
23	4	HF10743	Hex Bolt M8x20
24	8	HF19226	DIN912 A4 M10x20
25	4	HF10386	Hexagon socket head bolt
26	4	HF10504	Nyloc DIN 985 M12 A4
27	12	HF10513	Nylock M8 A4
28	4	HF10511	Lock nut
29	13	HF10503	Lock nut M10
30	3	HF19117	DIN 436 M10 A4
31	8	HF10502	DIN 127B M8 A4
32	21	HF10479	Washer
33	16	HF10492	DIN 125 M8 A4
34	8	HF10493	Lock washer
35	2	H23210	Pipe linch pin 10x60
36	1	H25645	Gearbox flange

Item	Qty	Part no.	Description
37	1	H22530	Inverted V
38	1	H22531	Plate
39	5	HF19348	Bolt M8x14 DIN933 A4
40	5	HF10513	Nylock M8 A4
41	5	HF10492	DIN 125 M8 A4
42	1	H22218	Vibrator 12V (optional)
	1	H41659	Vibrator 24V (optional)
43	4	HF19405	Flange nyloc A4 M8 (optional)
44	1	H22944	Plate (optional)
45	1	H28855	Vibrator bracket (optional)

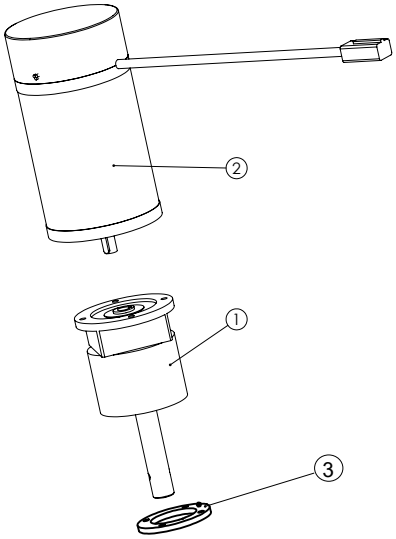


Icestriker 850/1100
Optional additional vibrator



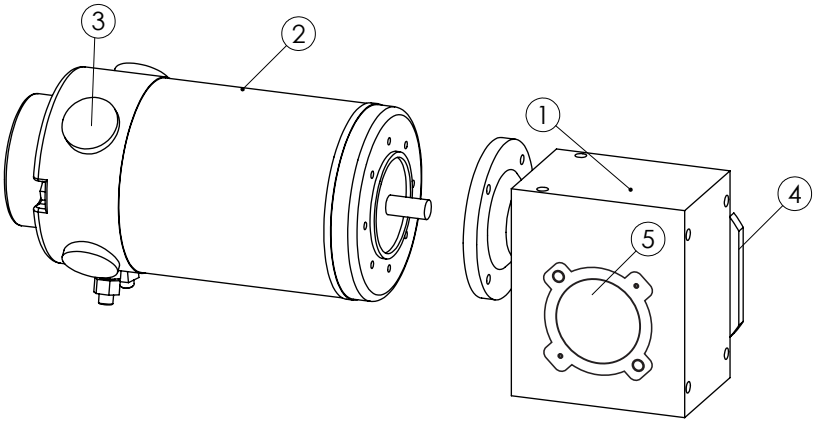
SPINNER MOTOR GEARBOX ASSEMBLY - H24419

Item	*Qty*	*Part no.*	*Description*
1	1	H22732	Gearbox
2	1	H22216	Electrical motor 12V
	1	H30447	Electrical motor 24V
3	1	H28523	Gearbox plastic spacer



AUGER MOTOR GEARBOX ASSEMBLY - H28599

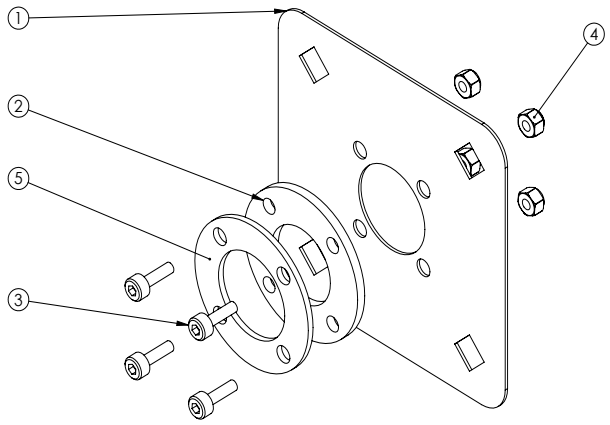
Item	*Qty*	*Part no.*	*Description*
1	1	H25649	Gearbox for Plus spreaders
2	1	H24794	Motor Assembly 12V
	1	H30567	Motor Assembly 24V
3	4	H26588	Brush for electrical motor
4	1	H25645	Gearbox flange
5	1	H44419	Gearbox safety cover



GEARBOX SEAL KIT V3.0 - H27275, H27575

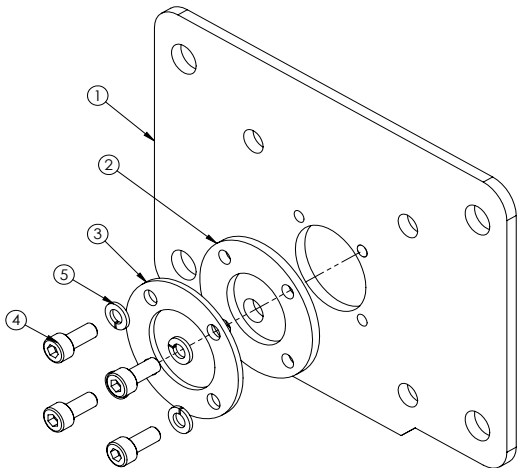
Old type H27275

Item	*Qty*	*Part no.*	*Description*
1	1	H27274	Plate
2	1	H27052	Polyurethane seal
3	1	HF10418	DIN912 A4 M4x12
4	4	HF10510	Lock nut M4
5	4	H27051	Seal Plate



New type H27575

Item	*Qty*	*Part no.*	*Description*
1	1	H25107	Plate
2	1	H27052	Polyurethane seal
3	1	H27051	Seal Plate
4	4	HF10427	M5x12 DIN 4762 A4
5	4	HF10500	DIN 127A4 M5



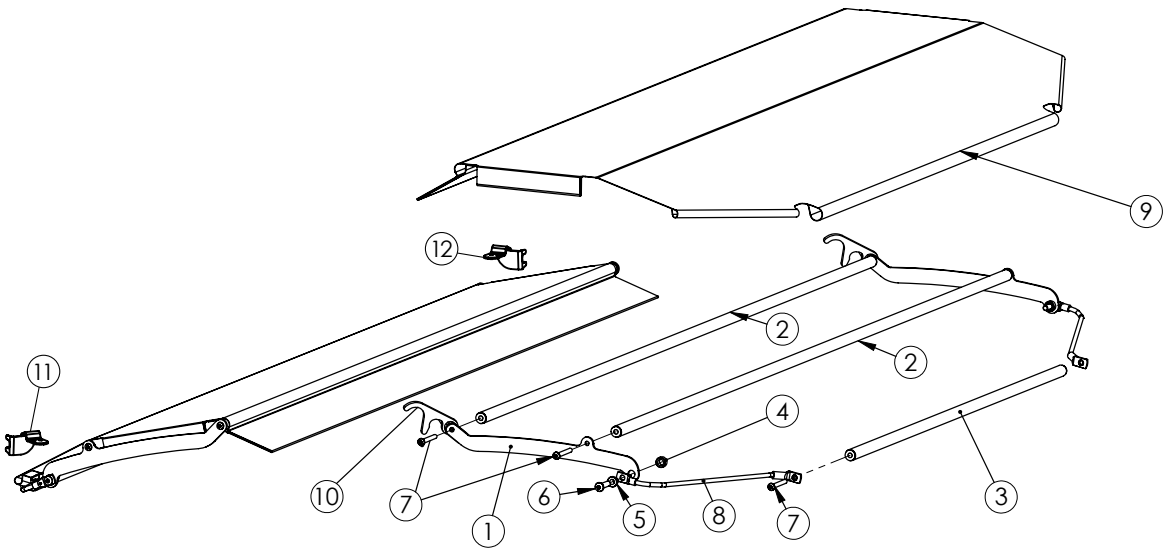
TARP COVER ASSEMBLY

MODEL 550 **H21768***
MODEL 850 **H22115***
MODEL 1100 **H26150***

Kit	*Item*	*Qty*	*Part no.*	*Description*
Model 550 & 850: **Cover fixation kit - H22135**	1	4	H21785	Bracket*
	ns	1	H22134	Bolt bag, Cover
	8	4	H21854	Cover fixation assembly
	10	2	H22488	Hook*
	11	2	H21787	Bracket
	12	2	H21788	Bracket
Model 1100 & 750: **Cover fixation kit - H21809**	1	4	H21785	Bracket*
	ns	1	H22134	Bolt bag, Cover
	8	4	H21854	Cover fixation assembly
	10	2	H22488	Hook*
	ns	4	H24423	Bracket
	ns	16	HF19367	Lock bolt M6
	ns	16	HF10474	Lock nut M6
Bolt bag H22134	4	4	H21774	Washer
	5	4	H21773	Bush
	6	4	HF11010	Hexagon socket head bolt M10
	7	12	HF19118	Hexagon socket head bolt M8
	ns	4	HF10745	Hexagon socket head bolt M8
	ns	4	HF10502	Lock washer M8
Model 550 & 750: **Cover and pipes-kit - H26125**	2	4	H22089	Pipe assembly, 550 & 750
	3	2	H22088	Pipe assembly, 550 & 750
	9	2	H22500	Cover, 550 & 750*
Model 850 & 1100: **Cover and pipes-kit - H26126**	2	4	H22117	Pipe assembly, 850 & 1100
	3	2	H22116	Pipe assembly, 850 & 1100
	9	2	H22501	Cover, 850 & 1100 *

* updated parts since 2014

ns = not shown

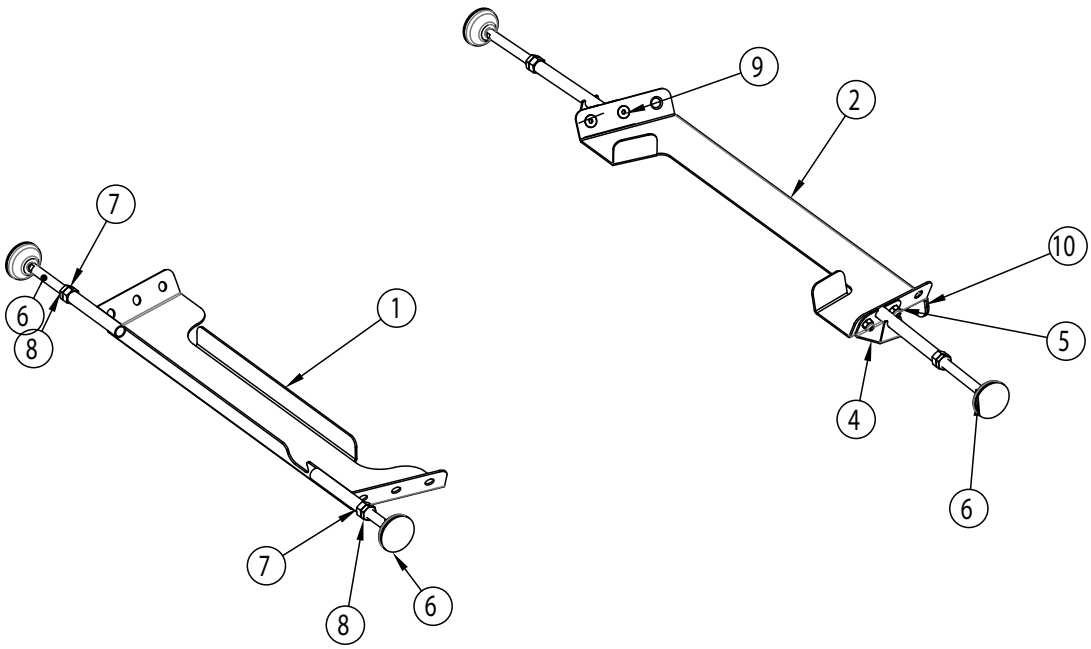


SLIDE STOP KIT (OPTIONAL)

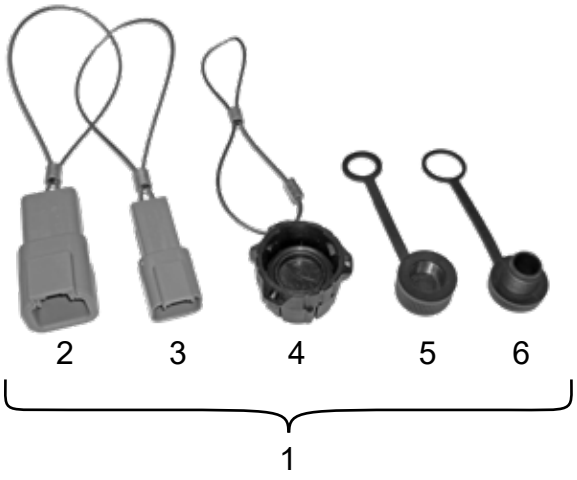
MODEL 550-750 **H25036**

MODEL 850-1100 **H26012**

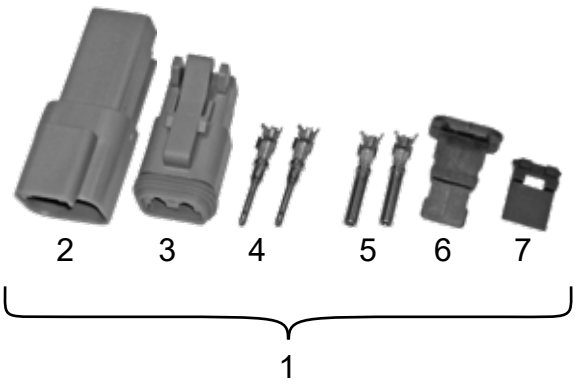
Item	*Qty*	*Part no.*	*Description*
1	1	H26013	Bracket
2	1	H26015	Bracket
3	1	H26016	Bracket
4	1	H26019	Bracket
5	4	HF10503	Lock nut M10
6	4	H26021	Levelling feet
7	4	HF10470	Hex nut DIN 934 A4 M16
8	4	HF19388	Low nut DIN 936 A4 M16
9	4	HF10876	DIN 7991 A4 M10x20
10	1	H27243	Polyurethane plate



CONNECTORS

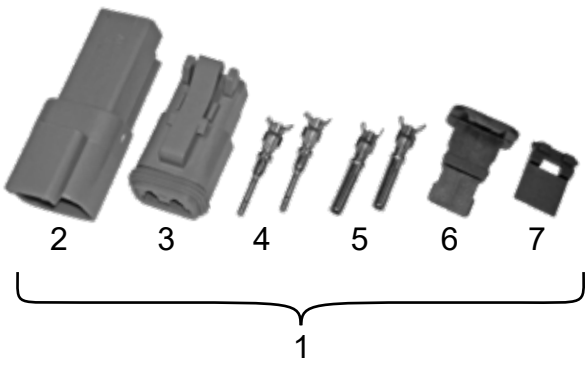


Item	*Qty*	*Part no.*	*Description*
1	**1**	**H23361**	**Endcap kit**
2	1	H22305	Protective cap ATP
3	1	H22304	Protective cap AT
4	1	H23360	Protective sealing cap
5	1	H22168	Sealing Cap female
6	1	H22169	Sealing Cap male



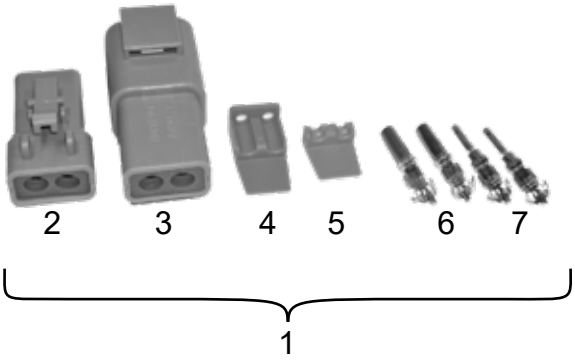
Item	*Qty*	*Part no.*	*Description*
1	**1**	**H23366**	**DT connector kit 1mm²**
2	1	H21879	Receptacle, 2-Way
3	1	H21877	Plug, 2-way
4	2*	H21883	Male Contact - Pin 0,823-1,31mm²
5	2*	H21881	Female Contact - Socket 0,823-1,31mm²
6	1	H21878	Wedgelock Plug, 2-Way
7	1	H21880	Wedgelock Recep., 2-Way

**minimum order quantity: 20 pcs*



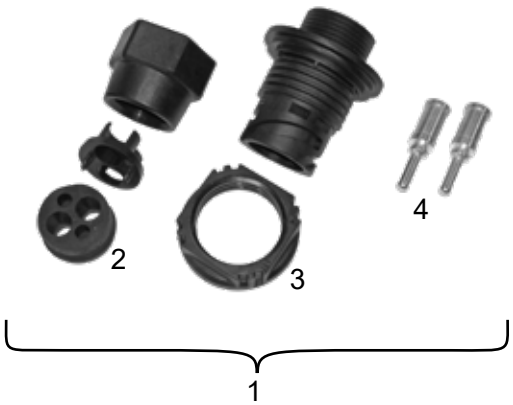
Item	*Qty*	*Part no.*	*Description*
1	**1**	**H23367**	**DT connector kit 2,5mm²**
2	1	H21879	Receptacle, 2-Way
3	1	H21877	Plug, 2-way
4	2*	H21882	Male Contact - Pin 1,31-2,08mm²
5	2*	H21876	Female Contact - Socket 1,31-2,08mm²
6	1	H21878	Wedgelock Plug, 2-Way
7	1	H21880	Wedgelock Recep., 2-Way

**minimum order quantity: 20 pcs*



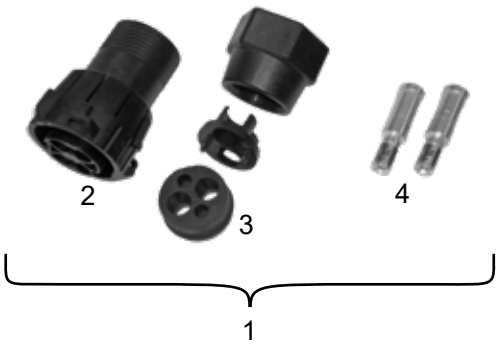
Item	*Qty*	*Part no.*	*Description*
1	**1**	**H23368**	**DTP Connector kit**
2	1	H21888	Plug, 2-way
3	1	H21886	Receptacle, 2-Way
4	1	H21889	Wedgelock Plug, 2-Way
5	1	H21887	Wedgelock Recep., 2-Way
6	2*	H21884	Female Contact - Socket 2,08-3,31mm²
7	2*	H21885	Male Contact - Pin 2,08-3,31mm²

**minimum order quantity: 20 pcs*



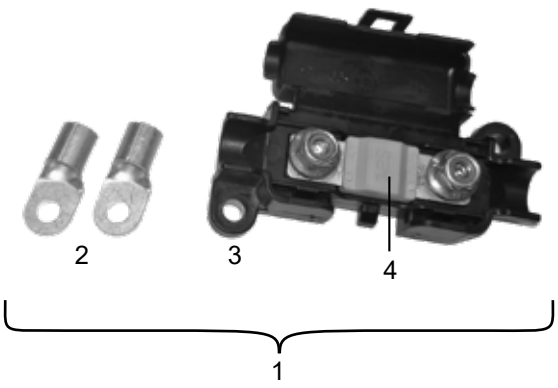
Item	*Qty*	*Part no.*	*Description*
1	**1**	**H23364**	**Battery cable connector kit - Vehicle side**
2	1	H21923	Sealing set
3	1	H21847	Connector housing
4	2*	H21850	Crimp pin

**minimum order quantity: 20 pcs*

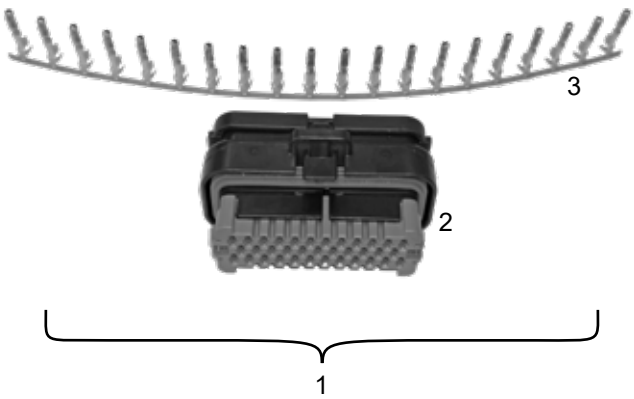


Item	*Qty*	*Part no.*	*Description*
1	**1**	**H23365**	**Battery cable connector kit - Spreader side**
2	1	H21853	Connector housing
3	1	H21923	Sealing set
4	2*	H21851	Crimp pin

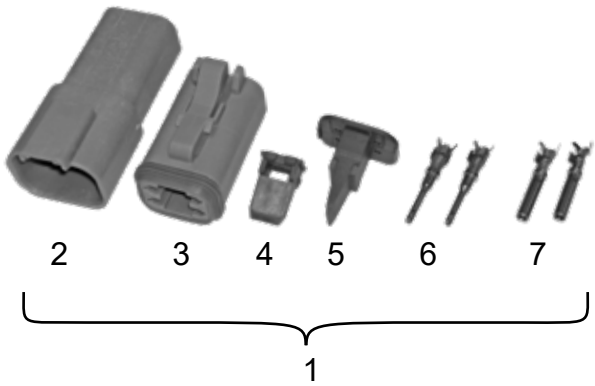
**minimum order quantity: 20 pcs*



Item	*Qty*	*Part no.*	*Description*
1	**1**	**H23371**	**Fuse holder accessories**
2	2	H21933	Connector 5-16mm^2
3	1	H21868	Fuse holder midval
4	1	H21869	Fuse Midval 80A



Item	*Qty*	*Part no.*	*Description*
1	**1**	**H23369**	**IO module connector kit**
2	1	H21955	Connector Housing AMPSEAL 35 pin
3	20	H21956	Female Contact - Socket



Item	*Qty*	*Part no.*	*Description*
1	**1**	**H23370**	**Rear lights connector kit**
2	1	H21910	Receptacle, 4-Way
3	1	H21908	Plug, 4-Way
4	1	H21911	Wedgelock Recep., 4-Way
5	1	H21909	Wedgelock Plug, 4-Way
6	2*	H21883	Male Contact - Pin 0,823-1,31mm^2
7	2*	H21881	Female Contact - Socket 0,823-1,31mm^2

**minimum order quantity: 20 pcs*

1



Item	Qty	Part no.	Description
1	1	H23529	Dielectric grease, 50g

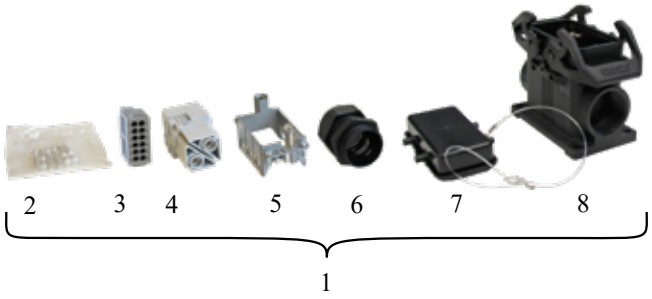
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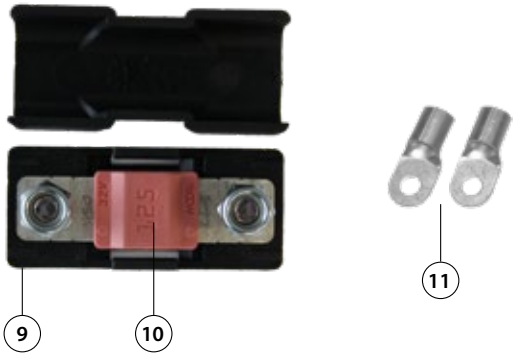
Item	Qty	Part no.	Description
1	2	H21935	Connector for auger, 8-4 mm^2

HEAVY DUTY CONNECTORS

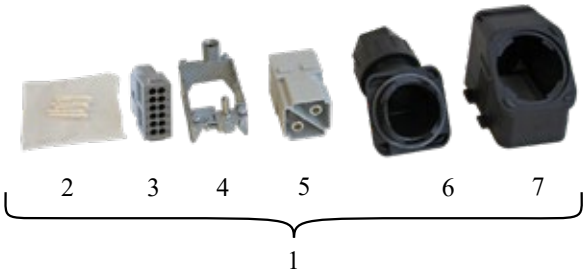
Item	Qty	Part no.	Description
1	1	H30151	Vehicle side harness connector
2	1	H30152	Terminal kit (8 pcs 0,5mm^2)
3	1	H30145	Insert module
4	1	H25796	Insert module
5	1	H25763	Carrier frame
6	1	H25764	Cable gland
7	1	H25803	Cover
8	1	H25765	Housing



9	1	H26129	Fuse holder midval small
10	1	H22885	Fuse midval 125 A, pink
11	2	H24273	Connector 5mm 25 mm^2



Item	Qty	Part no.	Description
1	1	H30150	Spreader side harness connector
2	1	H30153	Terminal kit (5 pcs 1,0 mm^2)
3	1	H26625	Insert module
4	1	H25759	Carrier frame
5	1	H25800	Insert module
6	1	H25760	Cable gland
7	1	H25828	Housing



Item	Qty	Part no.	Description
1	1	H30313	Spreader side harness connector cover



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Construction, specifications and other details are subject to change without notice.