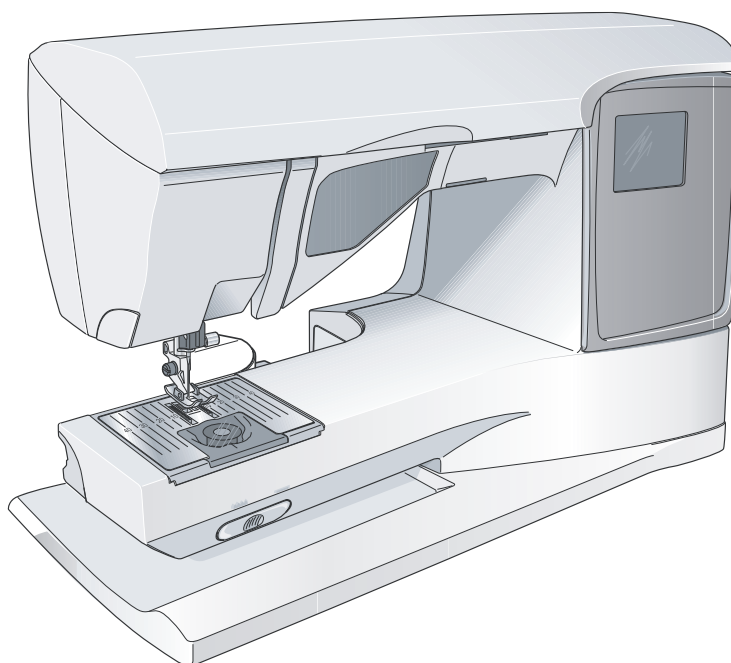


Parts List

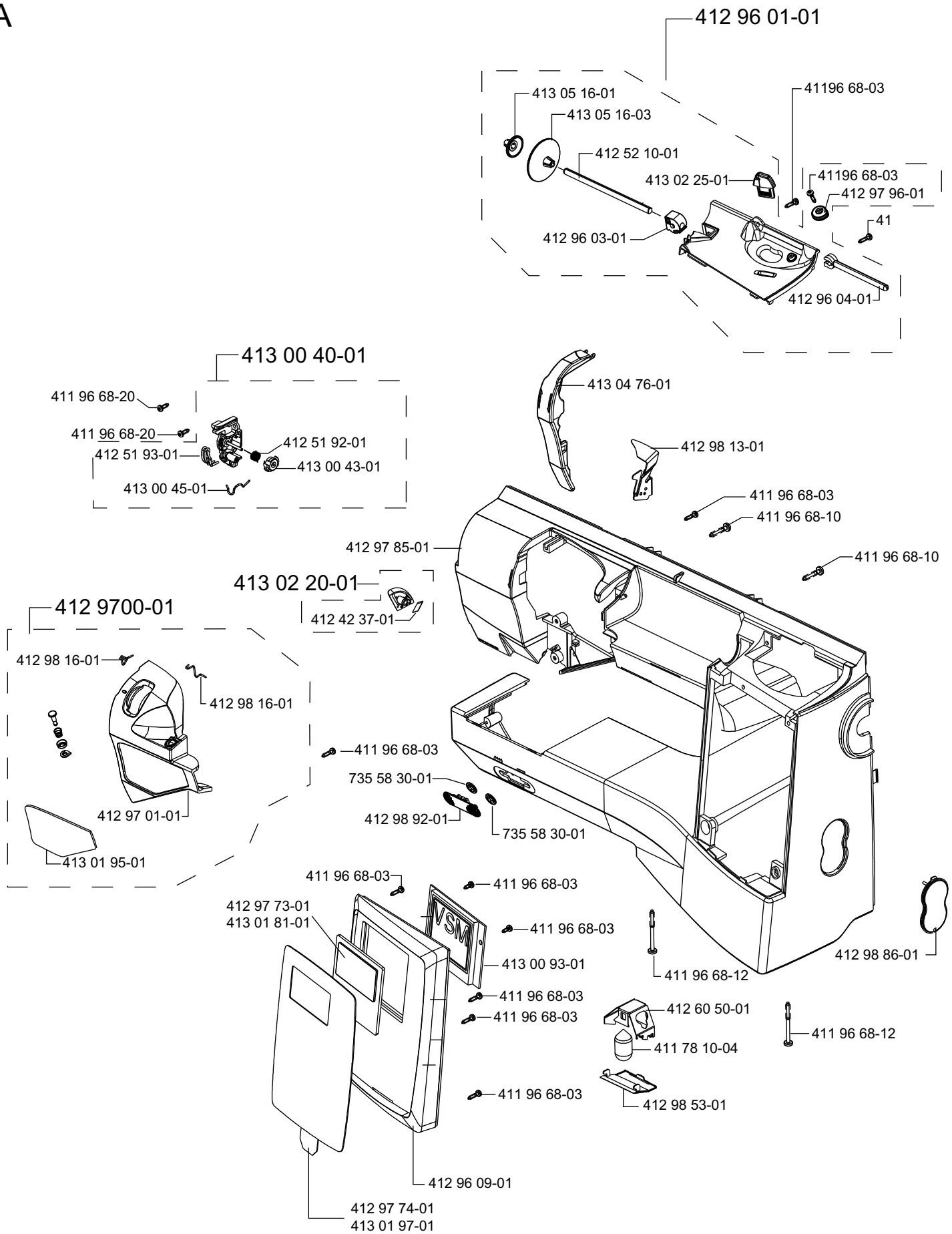


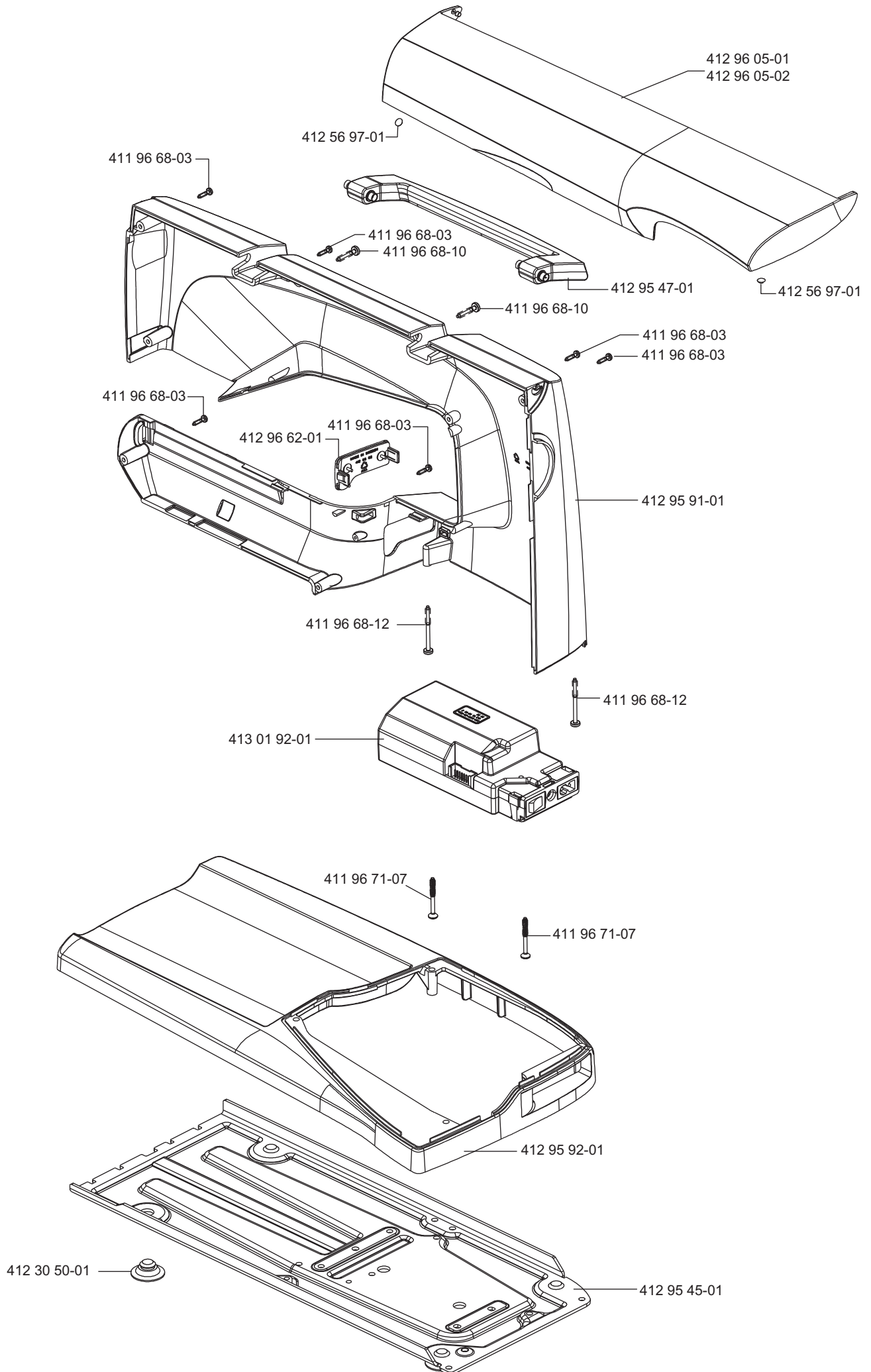
**Sapphire
830,850**

Part nr	Description	Page	Part nr	Description	Page
401 53 99-01	Seam Ripper	K	412 50 15-01	Bearing	H
401 55 55-01	Brush	K	412 50 47-01	Clamp ring	H
411 17 32-01	Clearance plate	K	412 51 92-01	Check Spring	A
411 78 10-04	Light bulb	A,H	412 51 93-01	Thread Guide	A
411 78 90-01	Needles	K	412 52 10-01	Thread reel pin	A
411 96 68-01	Screw 30x7,5 FZB	H	412 54 69-01	Cable 18pin	C,H
411 96 68-03	Screw PT 30x12 FZB	A,B,I	412 54 69-10	Cable 14pin	C
411 96 68-08	Screw PT 40x14 FZB	I	412 54 69-11	Cable 20pin	C
411 96 68-10	Screw PT 40x20 FZB	A,B	412 54 69-13	Cable 6pin	C
411 96 68-12	Screw PT 40x40 FZB	A,B	412 55 01-01	Bobbin basket cpl	F
411 96 68-20	Screw PT 30x10 FZB	A,H,I	412 55 84-01	Damper	G
411 96 68-21	Screw PT 18x10	H	412 56 15-45	Bobbins x 10	F,K
411 96 71-07	Screw PT FS 40x35	B	412 56 97-01	Damper	B
411 96 87-03	Screw M3x3	D,H	412 57 01-01	Light bulb remover	K
411 96 87-06	screw	G	412 58 17-02	Needle bar cpl.	H
411 96 88-07	Screw	G	412 58 18-01	Needle clamp	H
411 98 06-01	Washer	H	412 58 19-01	Thread guide	H
412 00 13-01	Wave washer	H	412 60 50-01	Reflector	A
412 05 60-04	Screw M3x6	D	412 61 07-01	Felt pad	K
412 05 60-05	Screw M4x10	C	412 61 31-01	Spring	I
412 05 60-06	Screw M4x12	C,G	412 68 76-01	Grounding tape	G
412 05 60-11	Screw M3x5	D	412 73 23-01	Needle screw	H
412 15 78-01	Power Cord 220V	J	412 74 17-01	Nut	I
412 15 79-02	Power Cord 120V JAP	J	412 76 40-01	Presser foot A	H,K
412 15 79-03	Power Cord 120	J	412 78 53-45	P-Foot C	K
412 15 80-02	Power Cord UK	J	412 78 54-45	P-Foot B	K
412 15 81-01	Power Cord AUS	J	412 79 61-45	P-Foot H	K
412 15 98-01	Spring foot control	J	412 80 15-45	P-Foot E	K
412 18 45-01	Rubber foot	J	412 81 51-01	Automatic Buttonhole Foot	K
412 21 14-01	Screw M3x4	H	412 82 74-01	Non stick glide plates	K
412 21 14-03	Screw M3x8	H	412 84 98-45	P-Foot R	K
412 21 14-04	Screw M3x10	H	412 86 68-01	Oil protection cap	F
412 21 14-15	Screw M4x20	C	412 86 69-01	Hook shaft	F
412 28 19-02	Screw M4x14	D,H	412 87 63-01	Threading device	H
412 28 54-03	Presser bar	H	412 87 67-01	Washer	H
412 28 79-03	Screw M4x5 FZB	E	412 87 69-01	Hook cpl.	F
412 30 50-01	Rubber foot	B	412 90 12-01	Motor cpl.	C
412 30 55-03	O-ring	C	412 93 01-01	Spring	F
412 31 81-01	Clamp	G	412 94 01-01	shaft tension unit	I
412 31 89-01	Control unit	J	412 94 02-02	Thread tension unit cpl.	I
412 32 84-01	Clamp	G	412 94 04-01	Housing Thread tension	I
412 34 97-03	Cable power supply	C	412 94 05-01	Release lever	I
412 35 33-02	Motor pulley	C	412 94 06-01	Contact spring	I
412 36 80-01	Starlock washer	D	412 94 20-01	Needle threader	H
412 38 04-45	P-Foot D	K	412 95 45-01	Base plate	B
412 38 06-45	P-Foot J	K	412 95 46-01	Hand wheel	G
412 38 15-01	Screw driver	K	412 95 47-01	Handle	B
412 39 44-01	Take-up lever	H	412 95 55-01	Bobbin Winding Unit cpl.	C
412 39 47-01	Washer	F	412 95 91-01	Back Cover	B
412 39 77-01	Thread net	K	412 95 92-01	Cover Base plate	B
412 40 97-01	Screw presser foot holder	H	412 96 01-01	Bobbin winder cover cpl.	A
412 41 12-01	Presser foot holder	H	412 96 03-01	Thread reel hinge	A
412 42 37-01	Knife	A,E	412 96 04-01	Extra thread reel pin	A
412 47 16-01	Adjusting screw	F	412 96 05-01	Lid Cover 830	B
412 46 45-01	Fastening screw	F	412 96 05-02	Lid Cover 850	B
412 47 16-01	Thread tension device	F	412 96 09-01	Frame	A
412 50 06-01	Bearing	H	412 96 11-01	Feed Unit cpl.	D

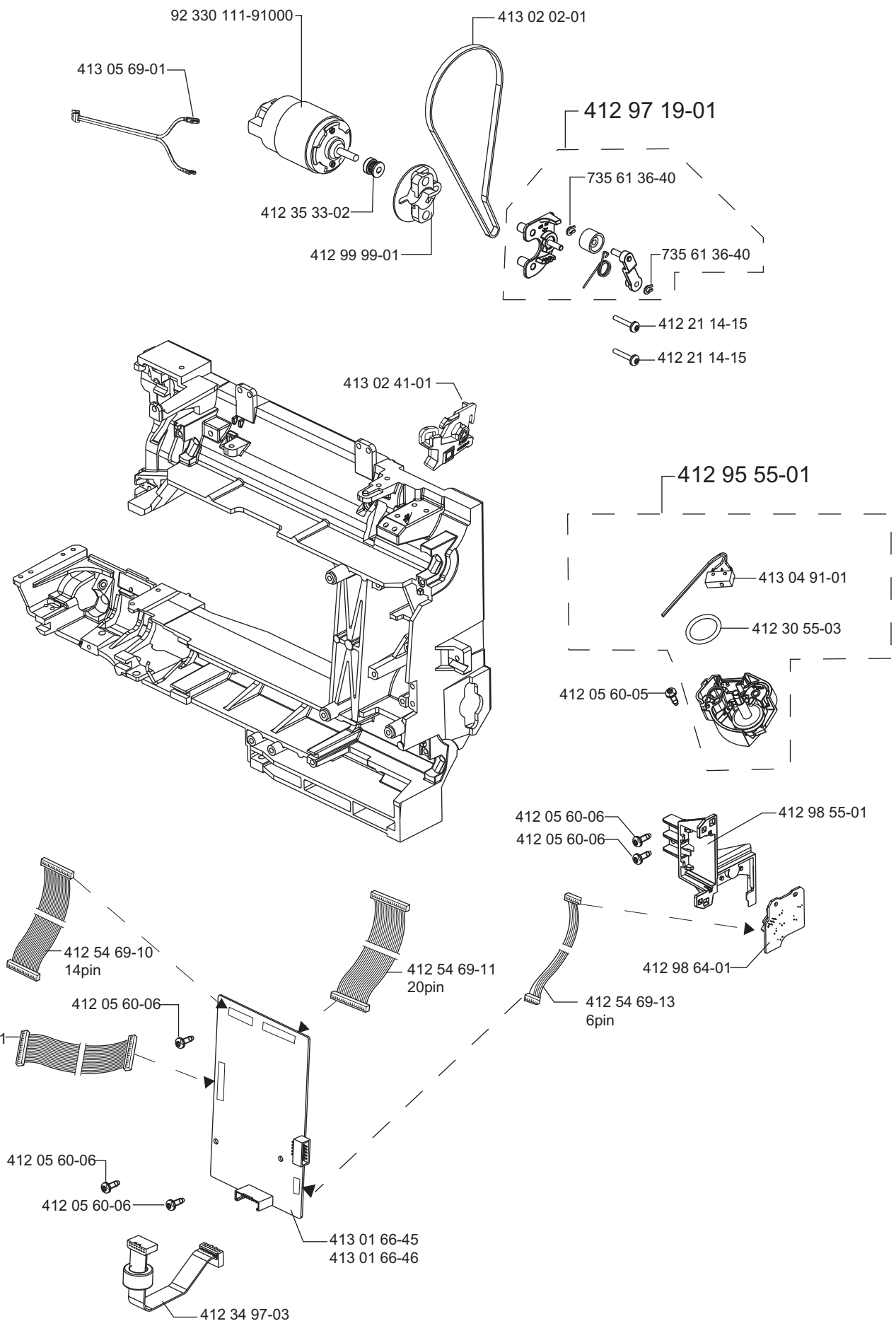
Part nr	Description	Page	Part nr	Description	Page
412 96 15-01	Spring Feed lenght link	D	413 01 95-01	Foil key board	A
412 96 16-01	Feed lenght link cpl.	D	413 01 97-01	Main Foil keyboard 850	A
412 96 17-01	Spring Guide block	D	413 02 02-01	Motor belt	C
412 96 18-01	Guide Block	D	413 02 03-01	Drive belt	G
412 96 24-01	Lever feed lift	D	413 02 15-01	Foot Control cable	J
412 96 28-01	Adjusting screw	D,I	413 02 16-01	Accessory bag	K
412 96 30-01	Feed dog cpl.	D	413 02 20-01	Knife holder cpl.	A
412 96 35-01	Feed lenght unit cpl.	D	413 02 25-01	Knife holder cpl.	A
412 96 36-01	Spring	D	413 02 41-01	Cable guide	C
412 96 37-01	Adjusting screw balance	D			
			413 02 54-01	Nut M5x0,5	D
412 96 39-01	Bobbin window	E	413 02 56-01	Bobbin case holder cpl.	E
412 96 41-01	Hook Cover	E	413 03 10-01	Button sensor conn	H
412 96 42-01	Needle plate	E	413 03 44-01	Screw M4x14	D
412 96 44-01	Excenter/Wormgear cpl.	G	413 04 68-01	Adjustment wheel	I
412 96 45-01	Dust cover	F	413 04 74-01	Take-up link	H
412 96 62-01	Cover embroidery conn	B	413 04 76-01	Check spring unit Cover	A
412 96 65-01	Calibration stop	H	413 04 89-01	thread tension release device	H
412 96 66-01	Wedge	H	413 04 91-01	Micro switch	C
412 96 67-02	Upper shaft cpl	G	413 05 16-01	Thread reel disc 22mm	A
412 96 79-01	Lower shaft cpl.	G			
			413 05 16-02	Spool cap small	K
412 96 81-01	Screen lower shaft	G	413 05 16-03	Thread reel disc 45mm	A,K
412 97 00-01	Thread tension cover cpl	A	413 05 69-01	Cable main motor	C
412 97 01-01	Thread tension cover	A	413 05 72-01	Gear	H
412 97 19-01	Motor Belt tension device	C	413 06 03-01	Clip	H
412 97 73-01	Window 850	A	413 10 64-01	Thread disk set	I
412 97 74-01	Main Foil keyboard 830	A	720 11 96-50	Pin	I
412 97 85-01	FrontCover	A	725 52 28-05	Screw M3x16	H
412 97 96-01	Spool stop	A	728 52 19-05	Fastening screw	H
412 98 13-01	Pre-tension unit	A	728 52 22-05	Adjusting screw M3x8	H
412 98 16-01	Thread Guide	A			
			728 52 87-05	Screw M4x8	F
412 98 39-01	Accessory boc cpl.	J	735 31 06-20	C-clip	I
412 98 53-01	Lamp shield	A	735 31 08-20	C-clip	D,F
412 98 55-01	Holder Synchronizer board	C	735 58 30-01	Starlock washer	A
412 98 64-01	Synchronizer board	C	735 61 36-40	Fastening clip	C
412 98 86-01	USB Cover	A	735 61 36-40	Fastening clip	H
412 98 92-01	Feed dog lowering button	A	735 61 53-40	Fastening clip	H
412 99 14-02	Foot Control cpl.	J			
412 99 35-01	Needle threader stop	H			
412 99 36-01	Crosshead cpl	H			
412 99 39-01	Stepmotor	H			
			Users Guide Sapphire 830/850		
412 99 77-01	ESD Spring	E	Swe 413 01 64-01		
412 99 99-01	Rubber Damper	C	Den 413 01 64-06		
413 00 40-01	Check spring unit cpl.	A	Isl 413 01 64-07		
413 00 43-01	Housing check spring	A	Jap 413 01 64-10		
413 00 45-01	Thread Guide	A	Fin 413 01 64-11		
413 00 47-01	Link feed dog lowering	D	Norw 413 01 64-21		
413 00 59-01	Stepmotor p-foot pressure cpl.	H	Eng 413 01 64-26		
413 00 68-01	Spring feed dog	D	Fra 413 01 64-31		
413 00 93-01	LCD board	A	Holl 413 01 64-36		
413 01 55-01	Connecting board	H	Ita 413 01 64-41		
413 01 66-45	Main PC-board 830	C	Spa 413 01 64-46		
			Ger 413 01 64-51		
413 01 66-46	Main PC-board 850	C	Rus 413 01 64-56		
413 01 79-01	Protection thread take-up	I	Pol 413 01 64-82		
413 01 81-01	Window 830	A	Cze 413 01 64-90		
413 01 87-01	Hard cover	J			
413 01 90-01	Screw 30x8 PT	H			
413 01 92-01	Power supply unit	B			

A

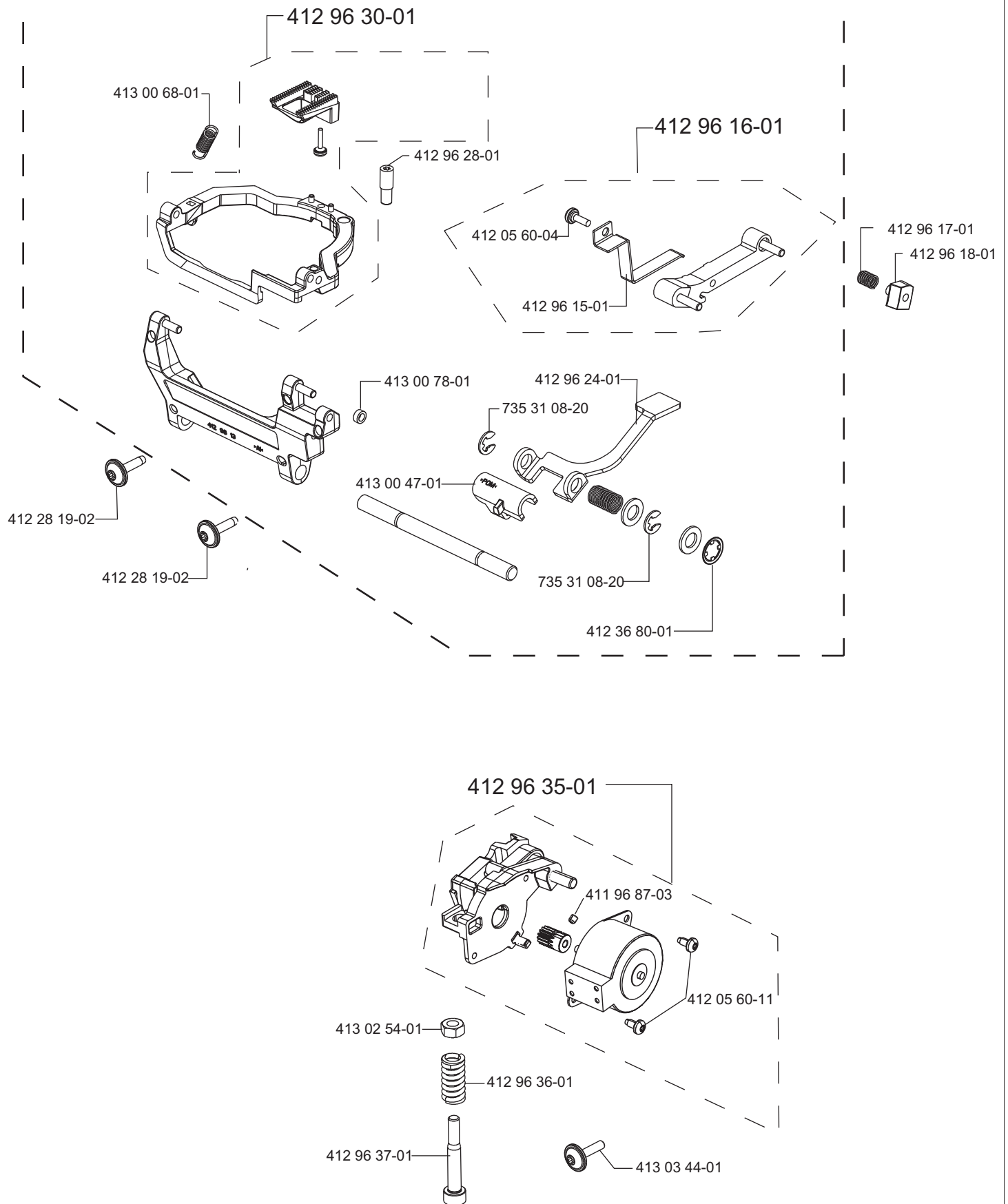




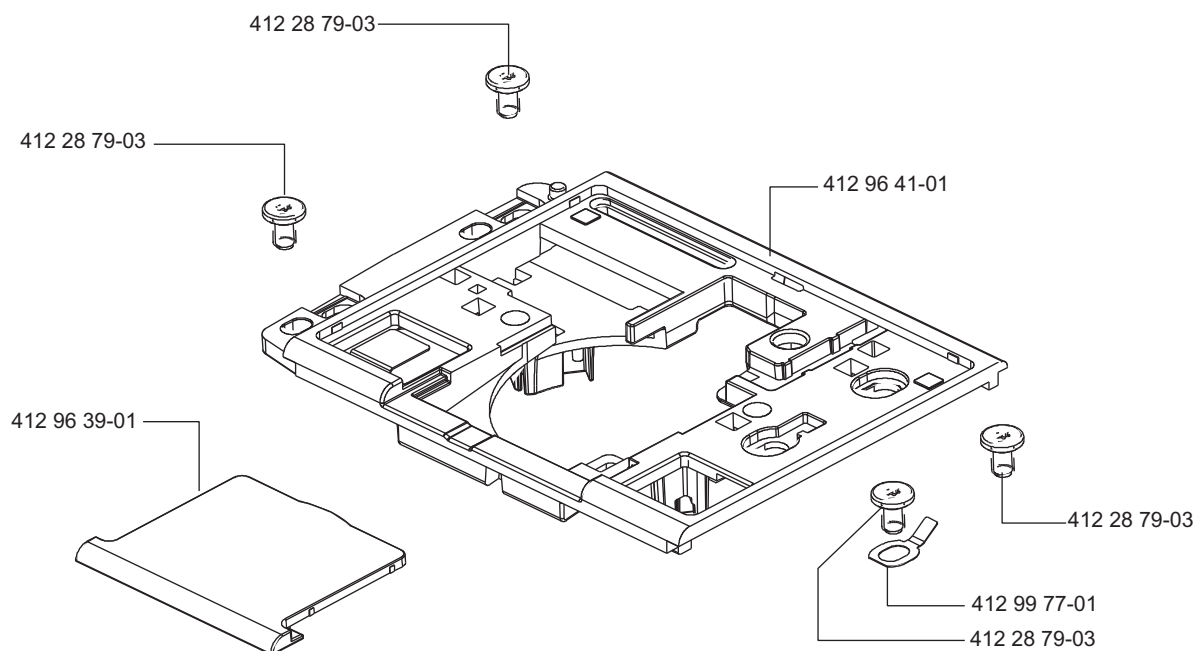
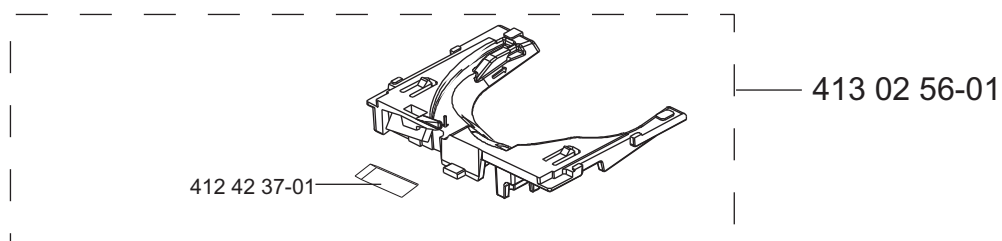
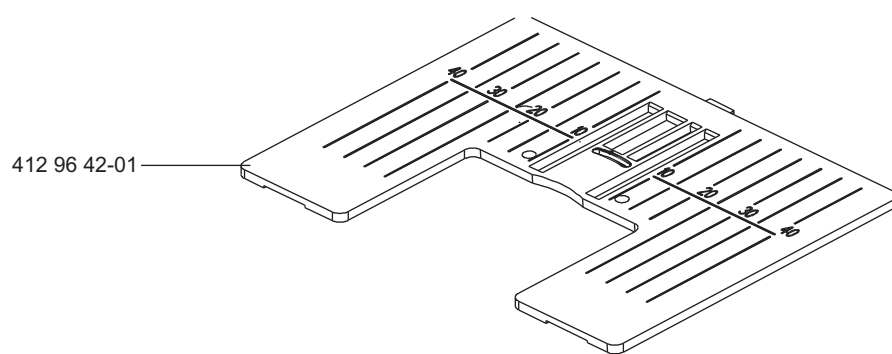
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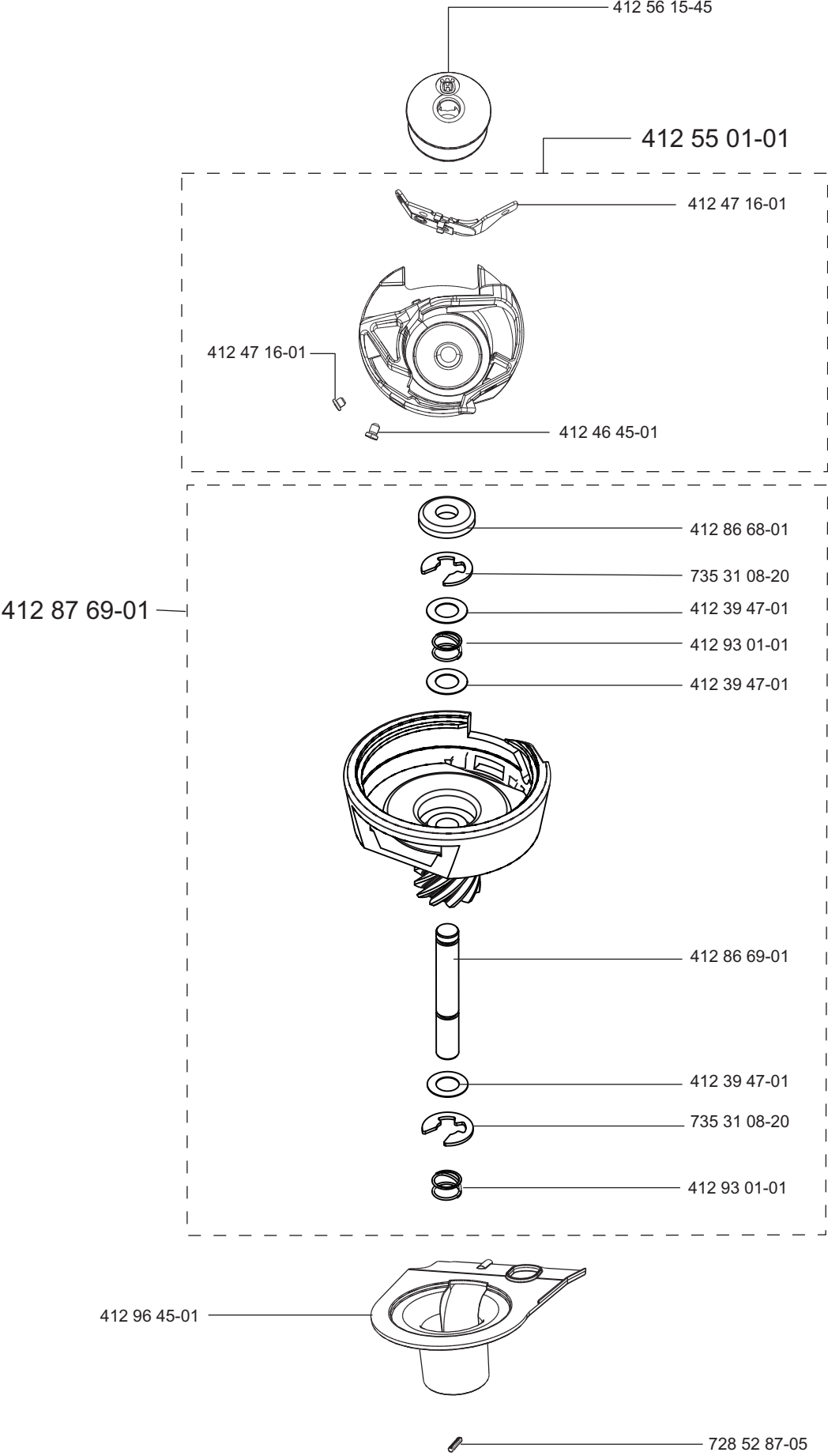


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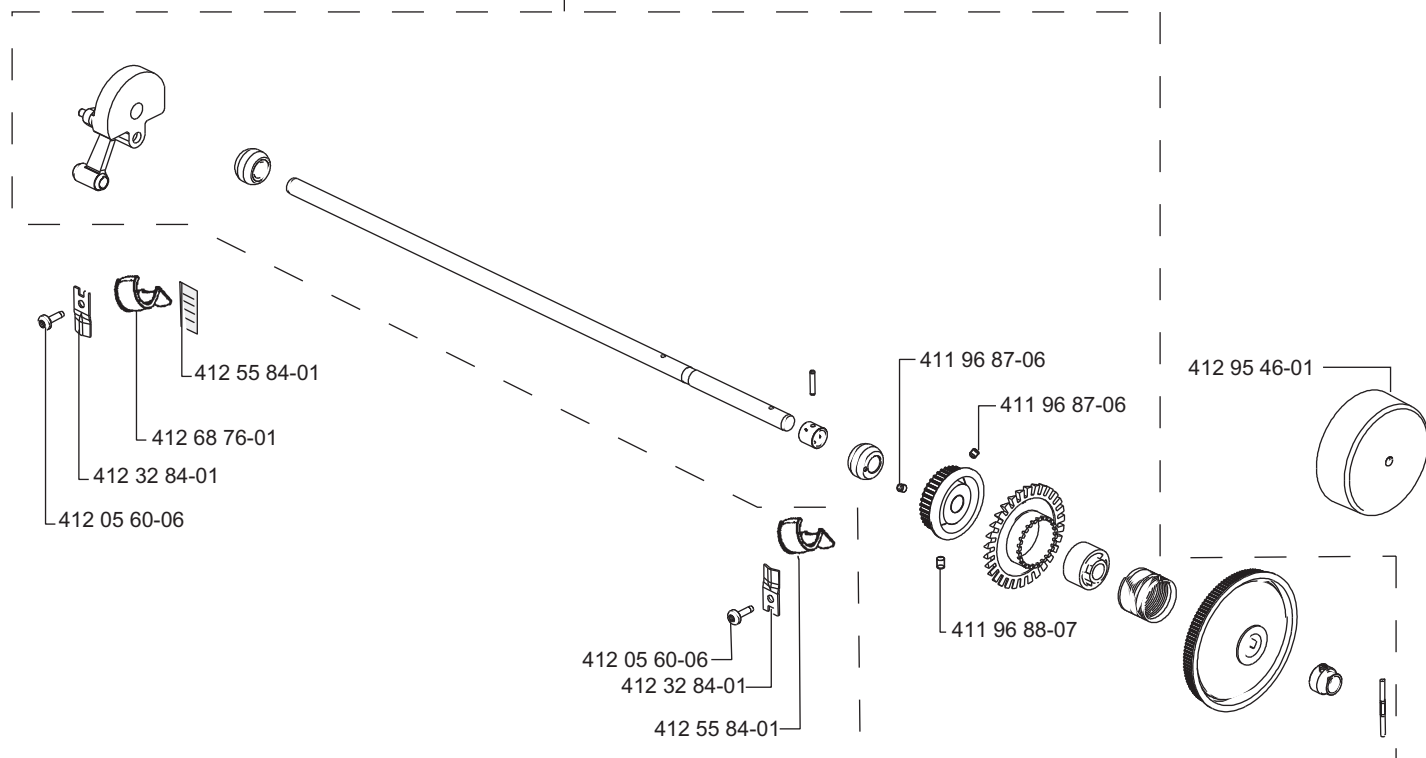
E





G

412 96 67-02



412 96 79-01

412 96 44-01

413 02 03-01

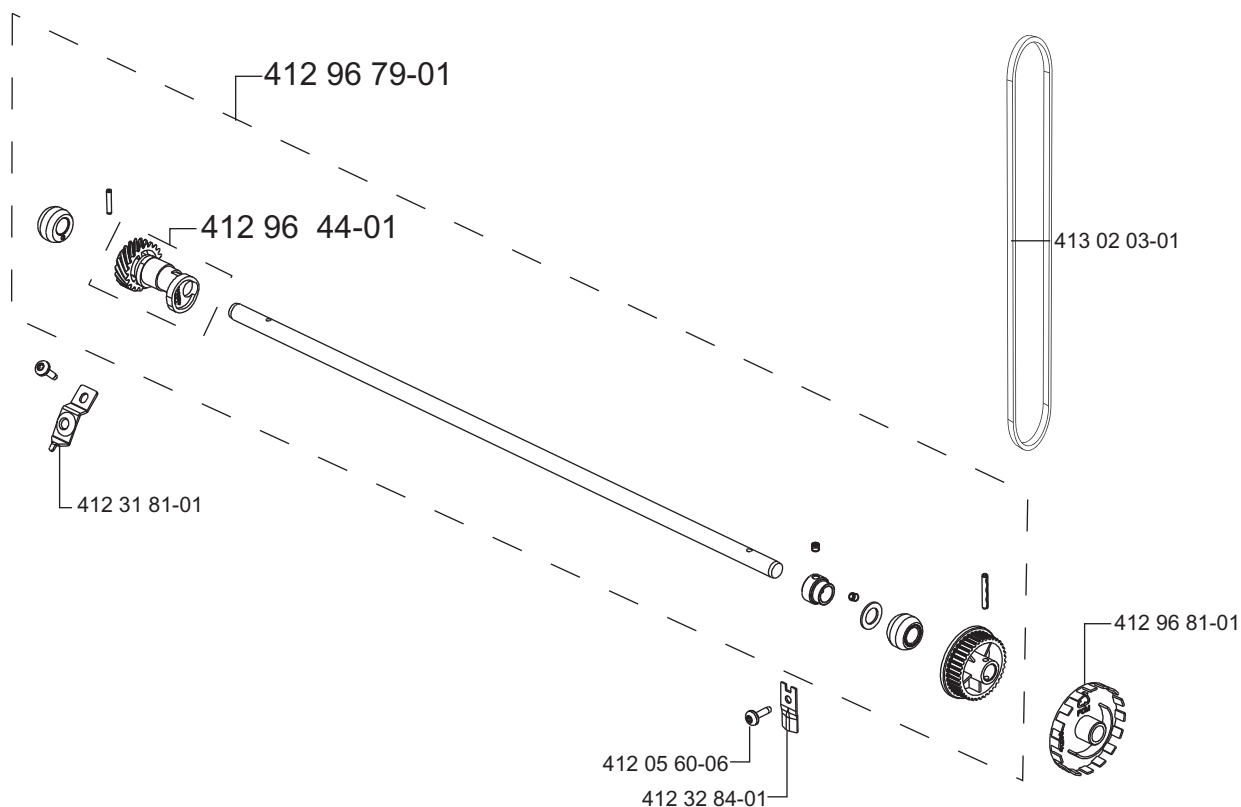
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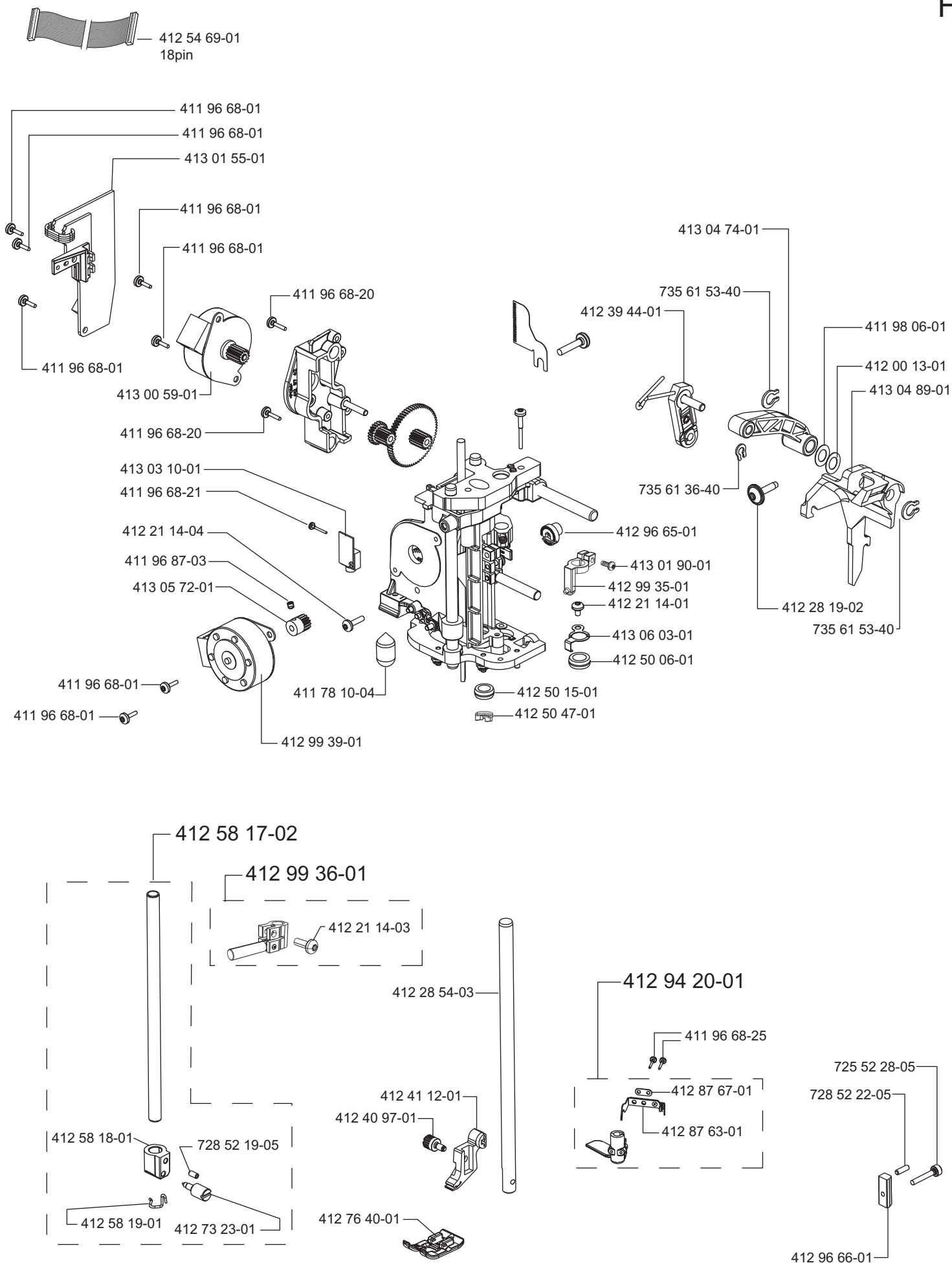
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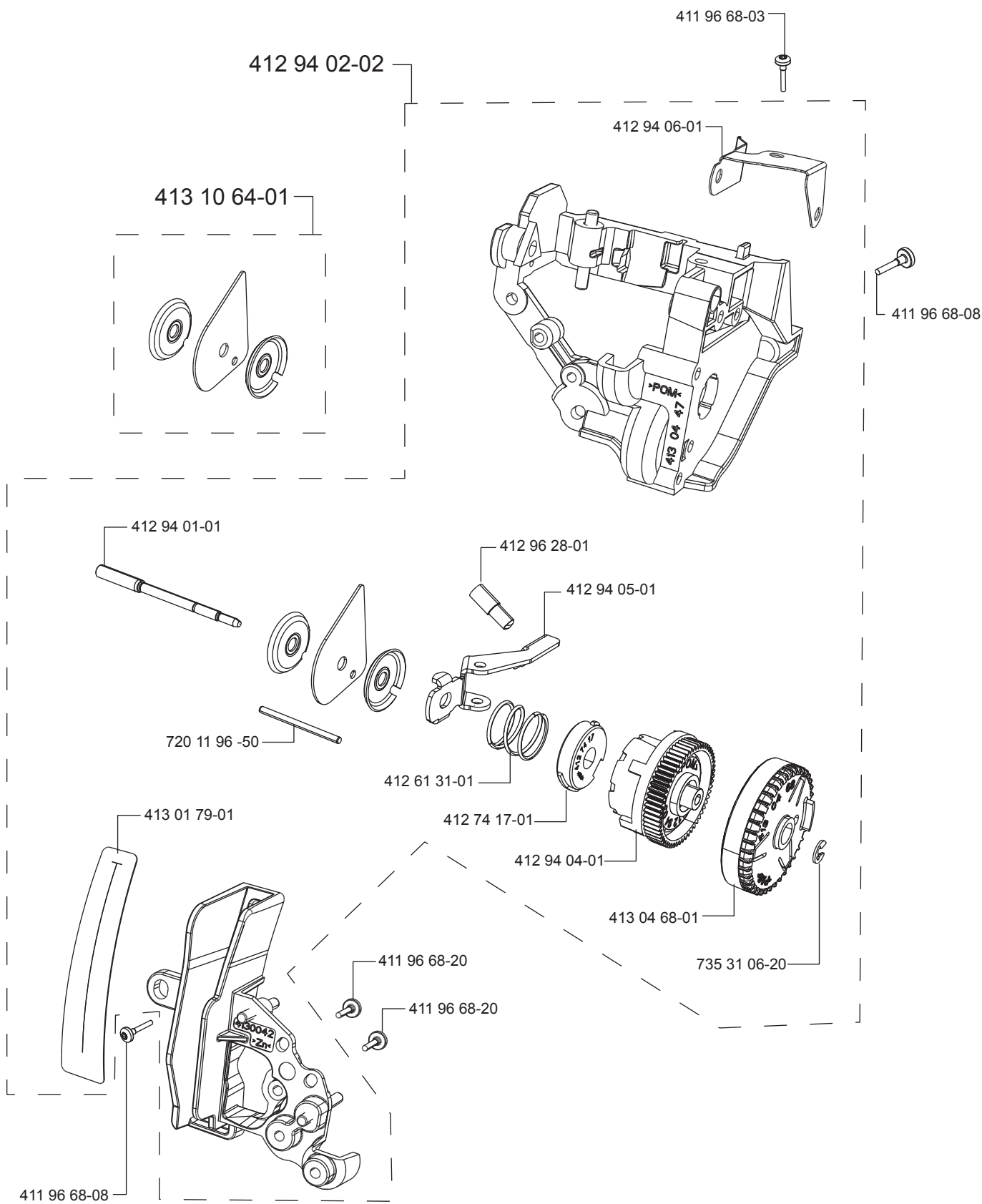
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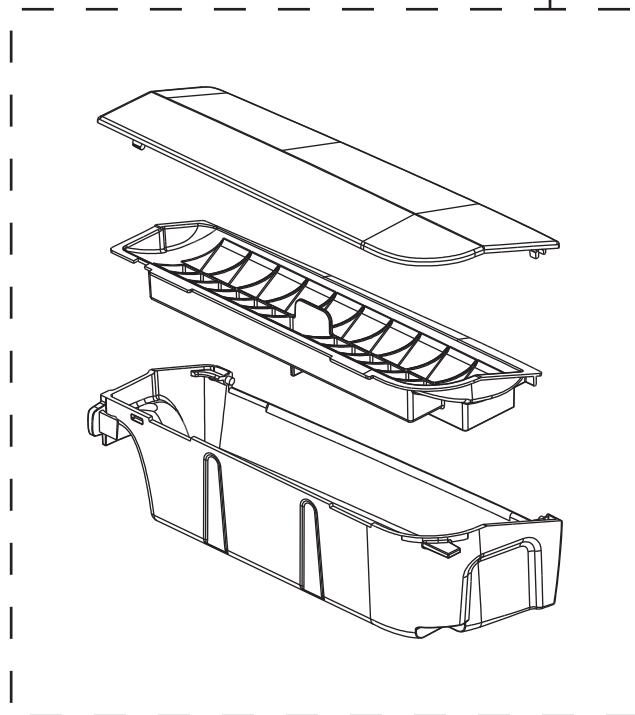
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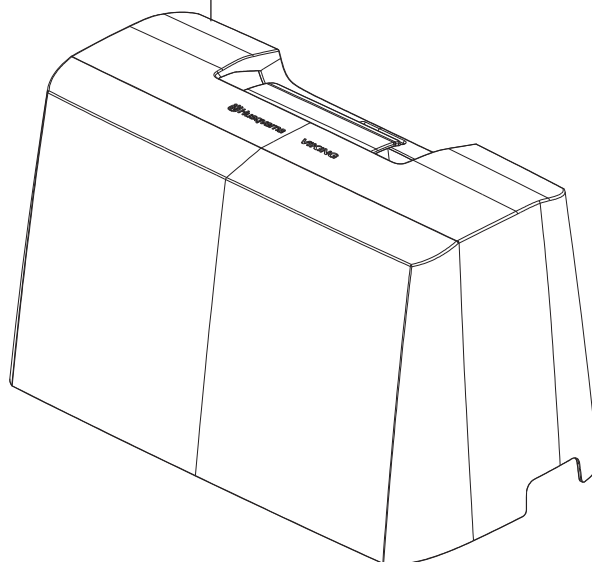




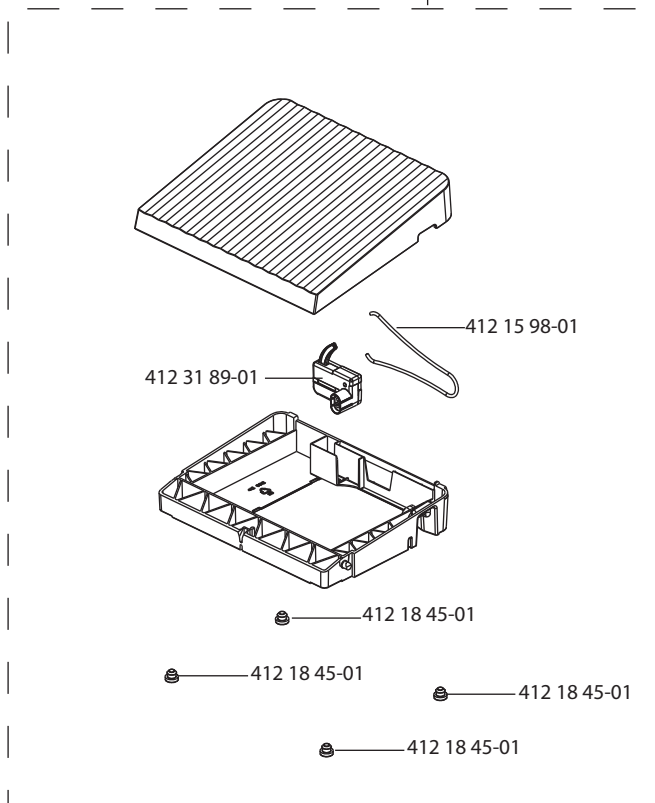
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413 01 87-01

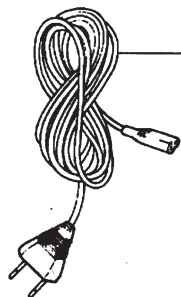


412 99 14-02



POWER CORD

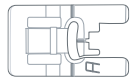
412 15 78-01 / 220V
 412 15 79-02 / 120V JAP
 412 15 79-03 / 120V
 412 15 80-02 / UK
 412 15 81-01 / AUS



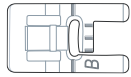
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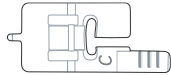
413 02 16-01



Foot: A 412 76 40-01



Foot: B 412 78 54-45



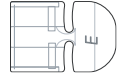
Foot: C 412 78 53-45



Foot: D 412 38 04-45



Foot: H 412 79 61-45



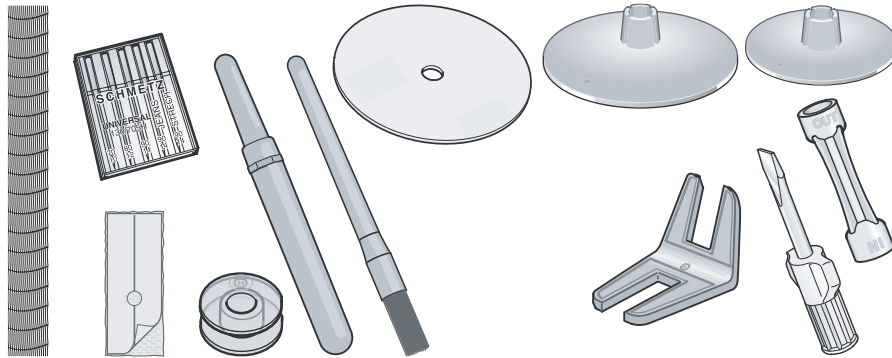
Foot: E 412 80 15-45



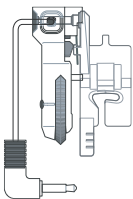
Foot: J 412 38 06-45



Foot: R 412 84 98-45



Partdescription	Partnumber
Thread net	412 39 77-01
Non stick glide plates	412 82 74-01
Needles	411 78 90-01
Bobbins	412 56 15-45
Seam Ripper	401 53 99-01
Brush	401 55 55-01
Felt pad	412 61 07-01
Spool cap Large	413 05 16-03
Spool cap small	413 05 16-02
Clearance plate	411 17 32-01
Screw driver	412 38 15-01
Light bulb remover	412 57 01-01

Foot: Automatic button hole
foot 412 81 51 -01