

# User manual



**GP-910-447**

**GP-914-447**

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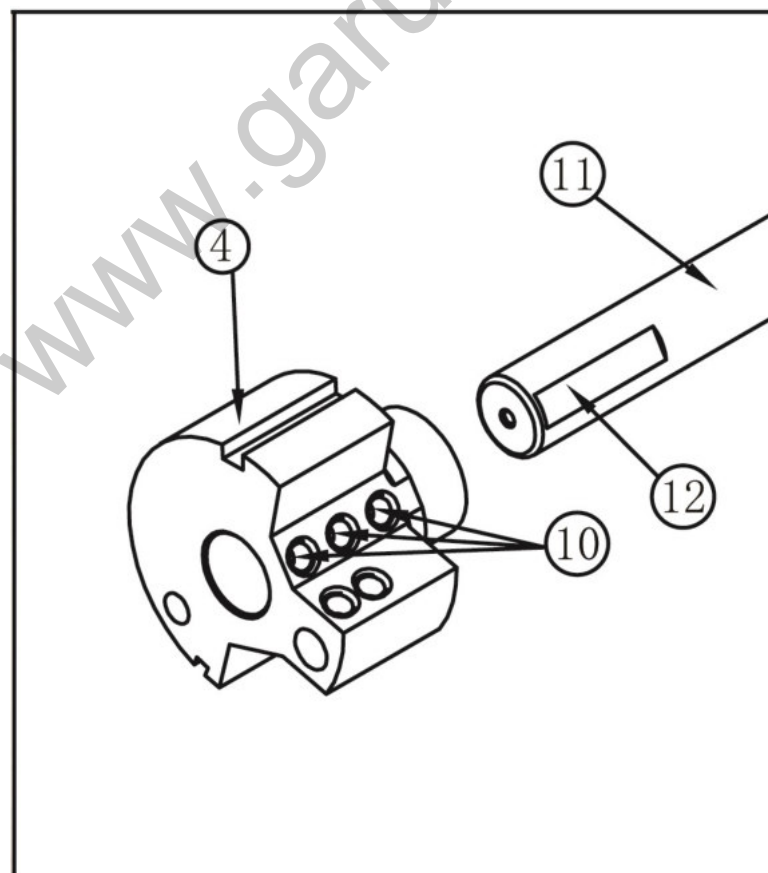
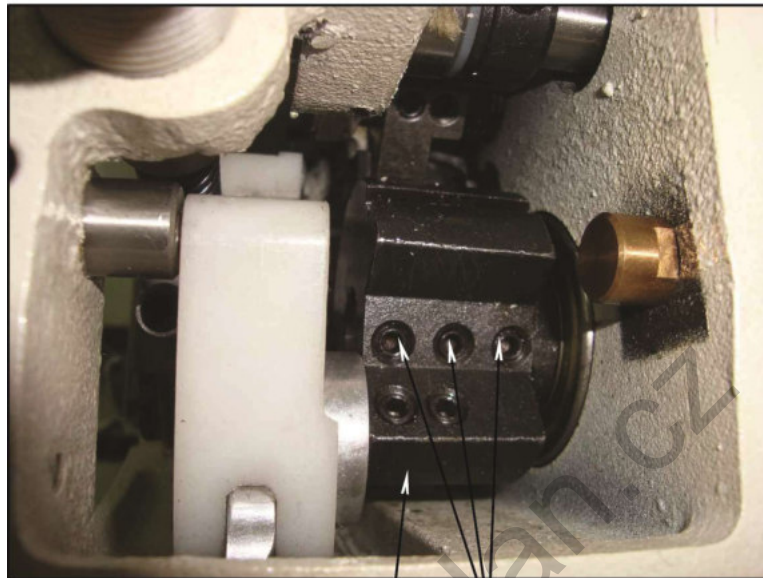
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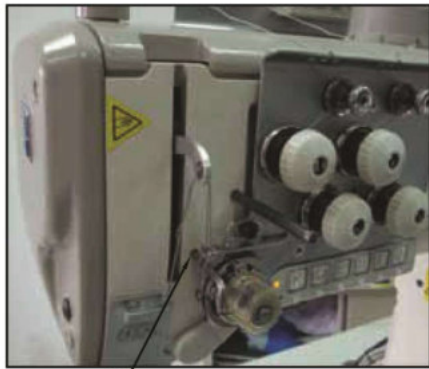
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## 1. MAIN SHAFT POSITIONER

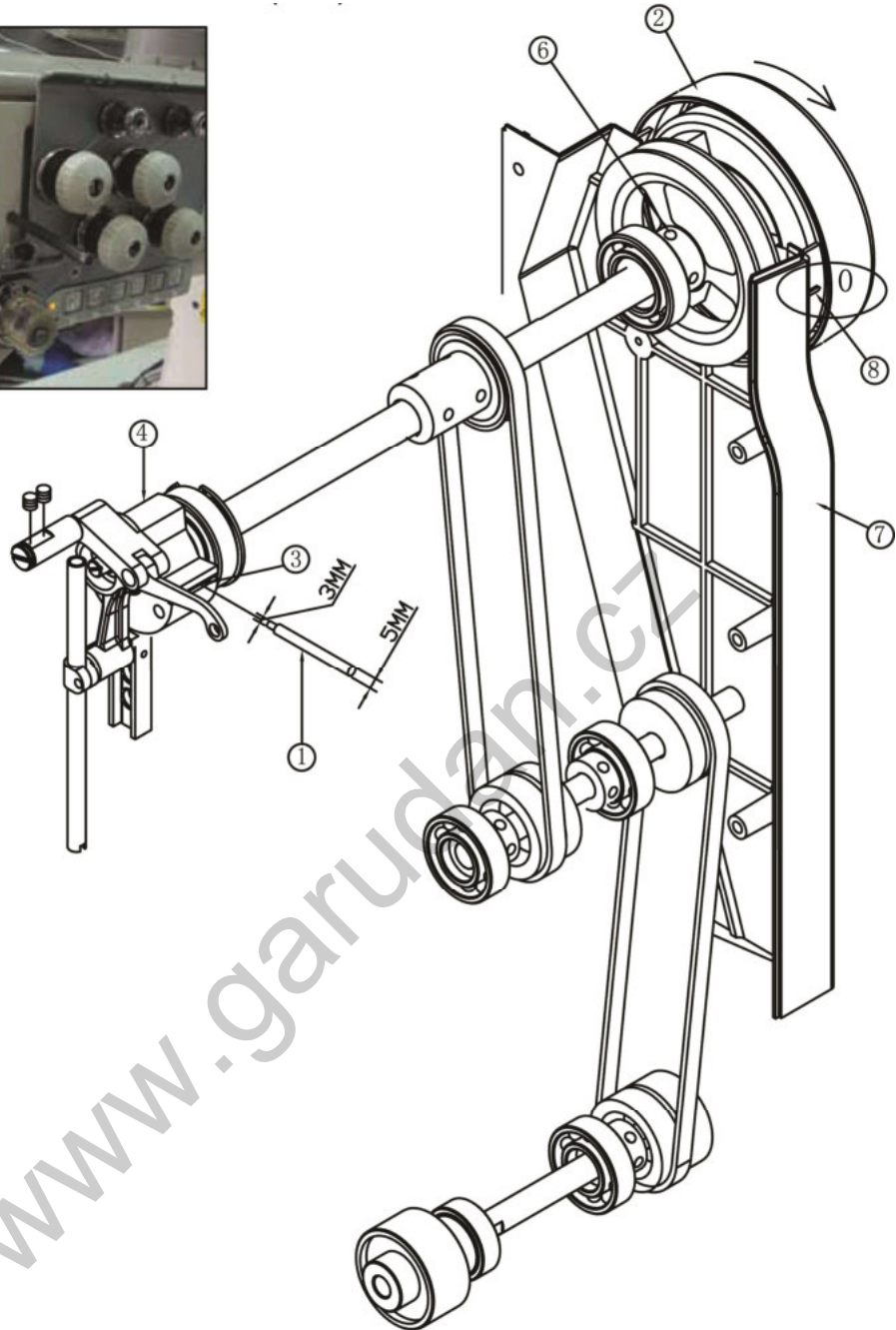
1. 3 screws (10) of the cam (4) need tight on the flat (11) of the shaft (11) (according to the direction of the work, the first screw priority locking on the flat of the shaft).



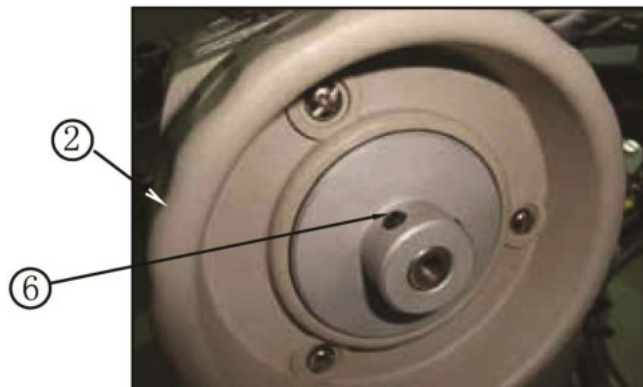




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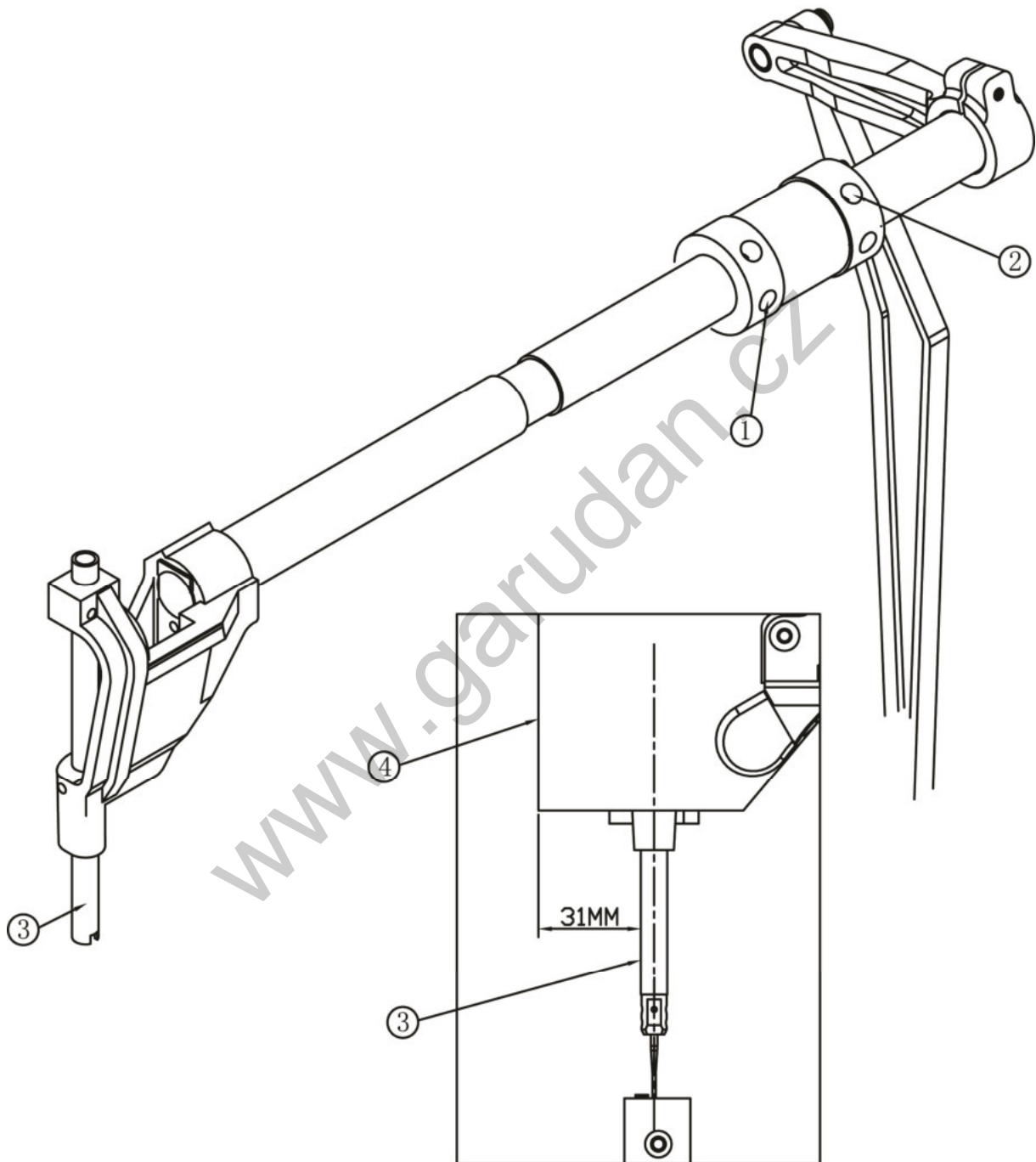


2. Use the stipulate ① 3mm one end go through the positioner hole ⑤ of the machine, inserting the notch ③ of the cam ④, loose the fixed screw ⑥ of the hand wheel ② removing the and wheel ②, make the dialing "0", align to the marks ⑦ of the belt cover ⑧, tight the screw ⑥.



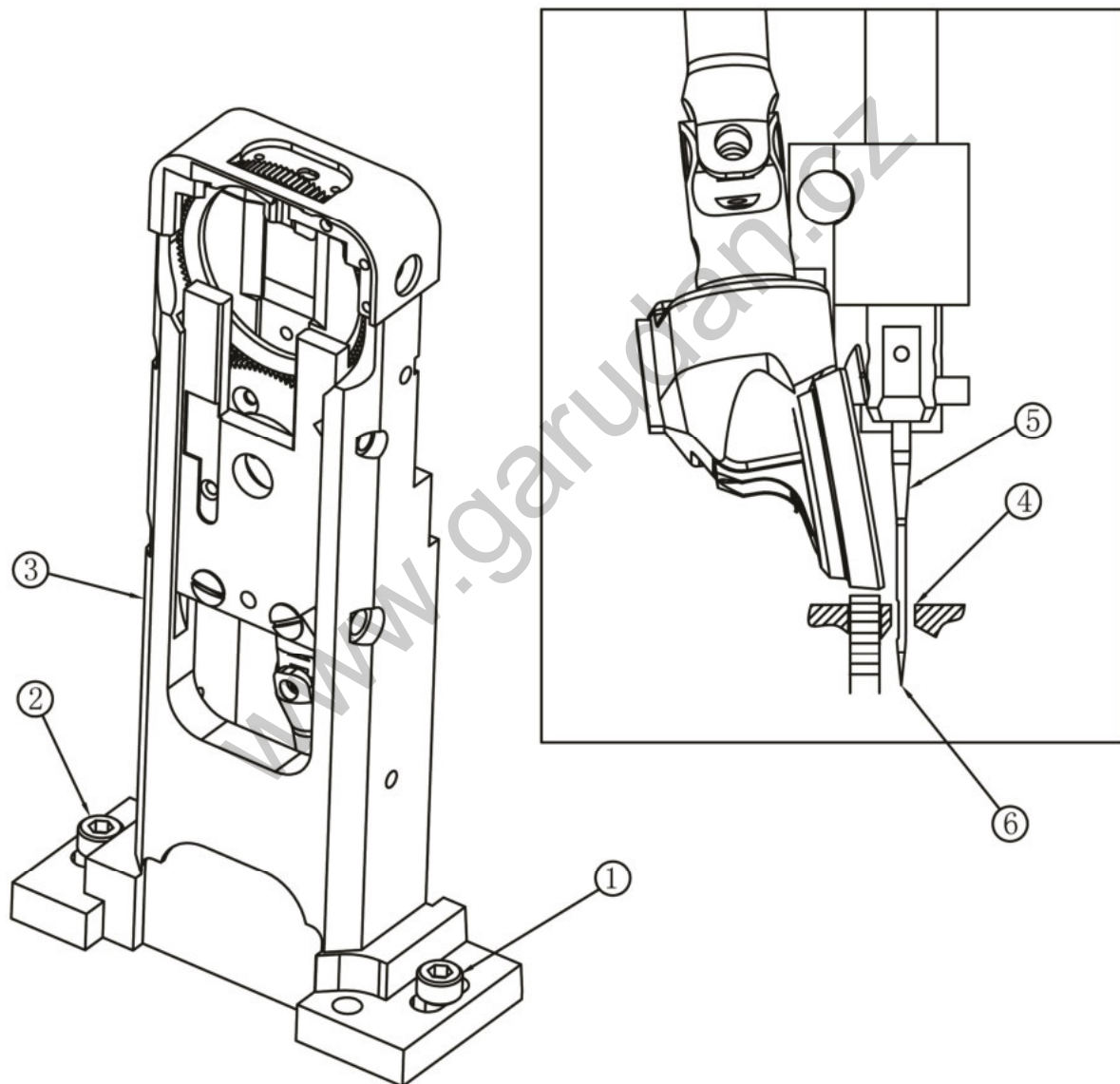
## 2. LATERAL POSITIONING OF THE NEEDLE BAR

1. Loose the screw ① ② ⑤ and move the needle bar ②, making the distance between the needle bar edge and the end ④ of the machine is 31 mm. Then tight screw ① ②.



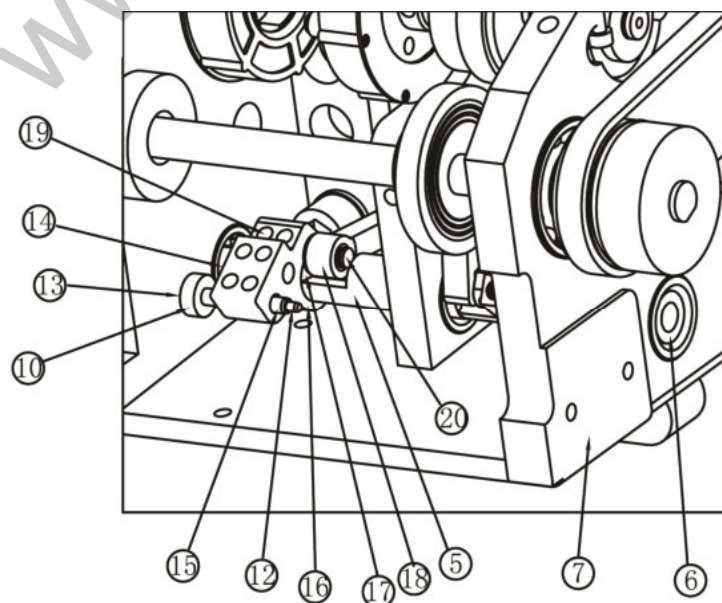
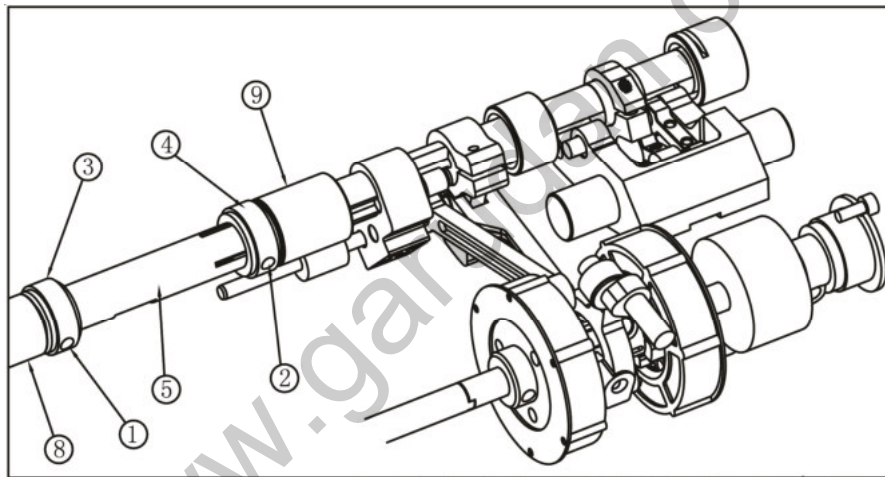
### 3. CONTROL POSITION ADJUSTMENT OF THE NEEDLE RELATIVE TO THE NEEDLE PLATE

1. Loosen the screw (1) (2), move the middle seat (3), making the needle drop (1) of the needle at the middle of the needle plate hole (4) and tighten the screw (1) (2).



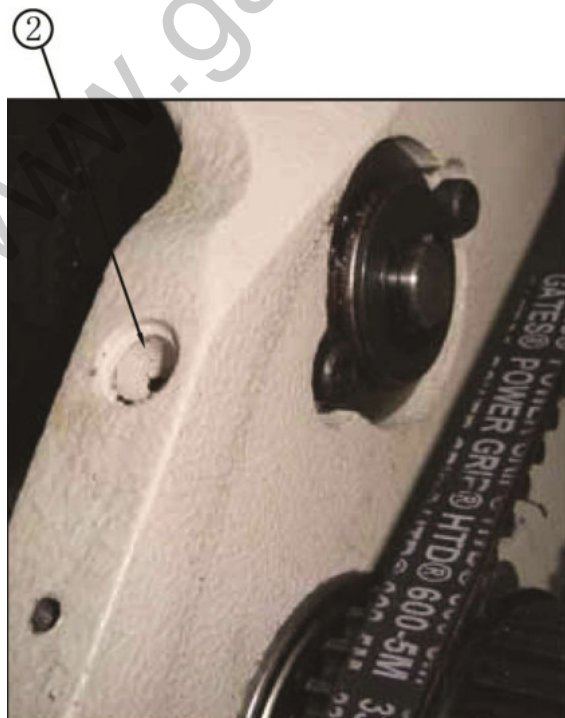
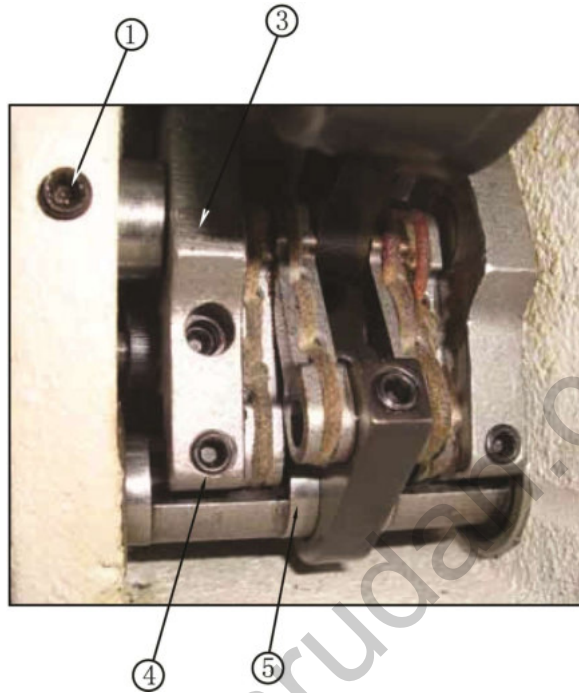
#### 4. DRIVING THE SHAFT POSITIONER

1. Loosen the screw (1) (2) of the retaining ring (3) (4) making the end (6) of the driving shaft (5) below the machine flat (7) 1.5 mm, tighten the screw (1) (2). When you tighten the screw (1) (2), taking care to close the gap between the retaining ring (3) (4) and the fixed sets (8) (9).
2. Use the angle of the meant (12), defined axis (5) of the locating sets (10), put the locating sets to the position hole (13) of machine. The meant (12) through the locating sets (10) and cross the hole (15) of crank (14), and confirmed the angle of the defined crank (14).
3. Loosen the screw (19), moving the crank (14), making the flank (16) of crank (14) aligned with the flank (17) of Driving shaft (5). Tighten the screw (19). When you tighten the screw (19), please close the gap of the needle bar (18) and the crank (19).



## 5. POSITIONING OF FEEDING CONVERTER

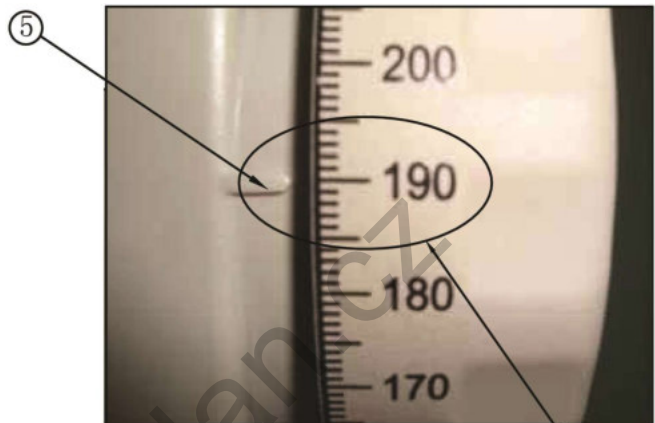
1. Loosen screw ① ② and move stand ③, making it symmetrical with the notch ④ of the drive shaft ⑤. Then fasten screw ① ②.



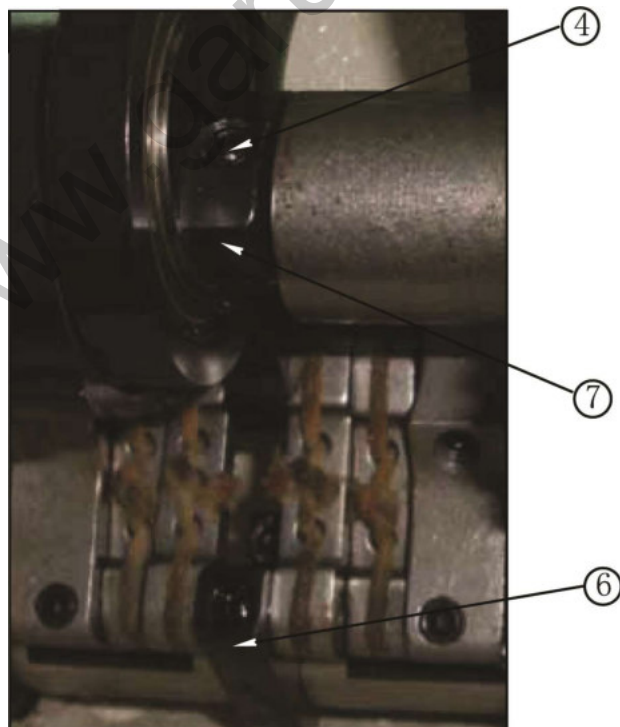


## 6. ADJUSTMENT OF FEEDING TIME

1. The hand-wheel scale of 190 degrees aligns with mark ⑤, making by manual reversing handle ① do reciprocating movement along ② ③ direction. Keep adjusting the eccentric wheel ⑦ until connecting part ⑥ becomes still, then fasten screw ④.

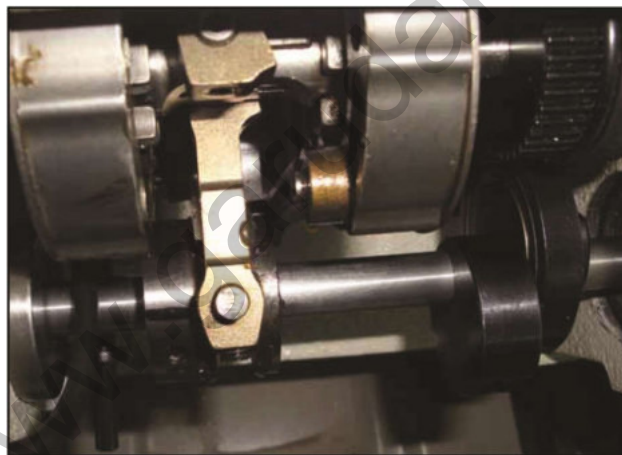
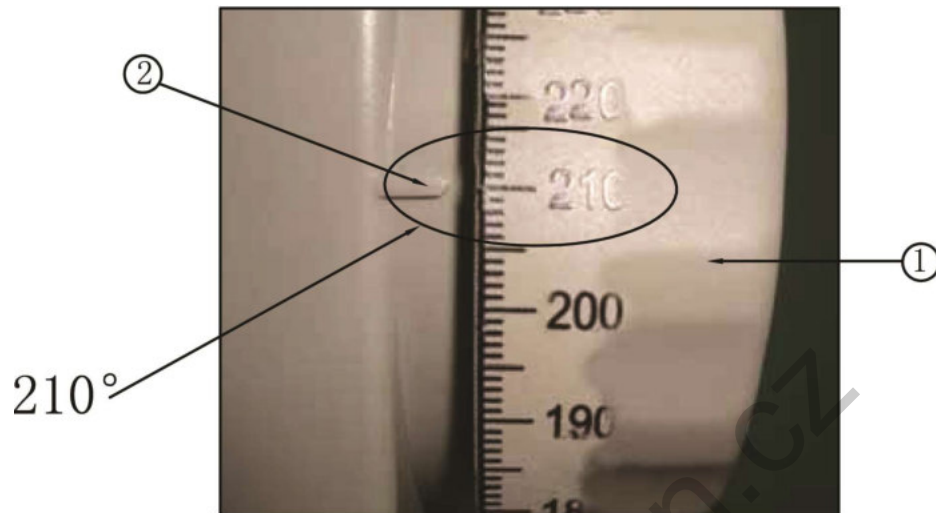


①



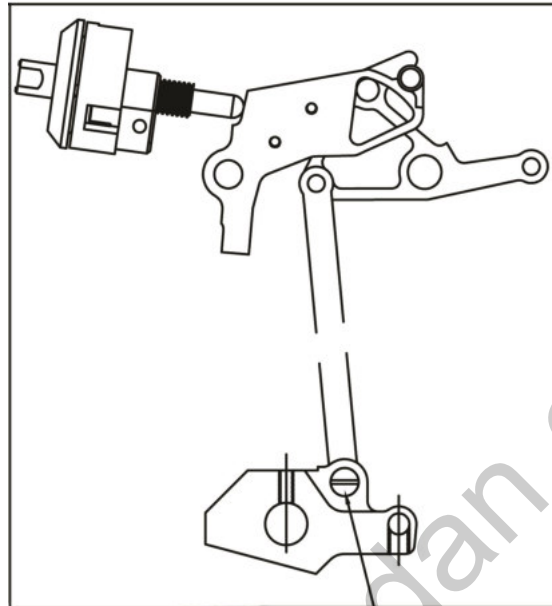
## 7. ADJUSTMENT OF WEIGHT IRON

1. Turn the hand-wheel, making hand-wheel ① scale of 210 degrees align with mark ②.  
Adjust the weight iron ③ parallel to the stand surface.



## 8. POSITION OF FEEDING FORWARD AND INVERSE PROPORTION

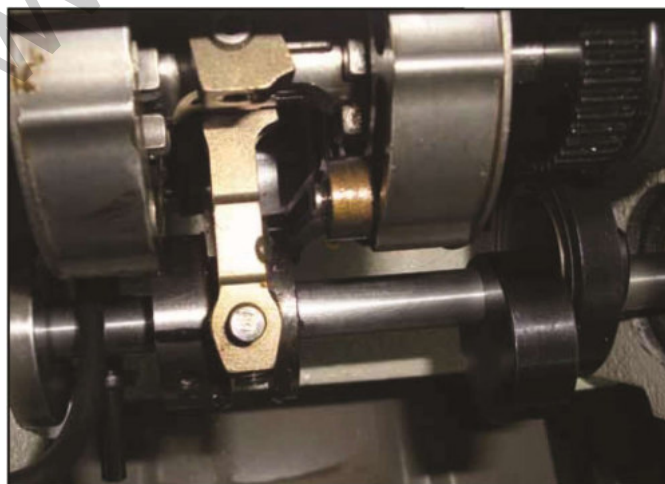
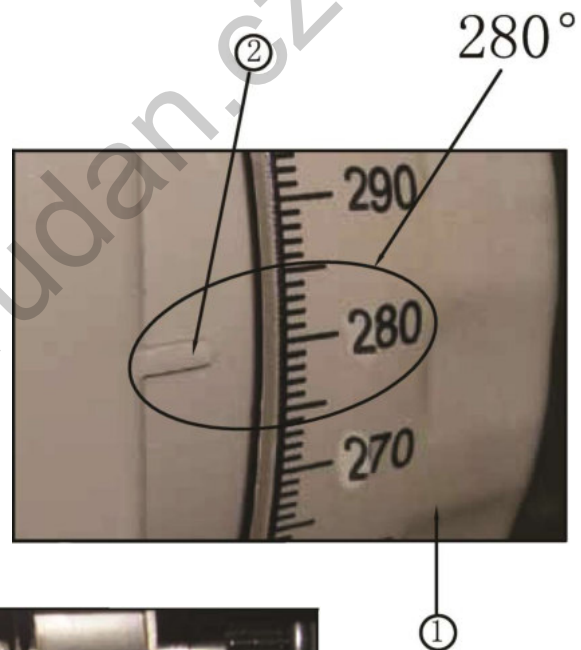
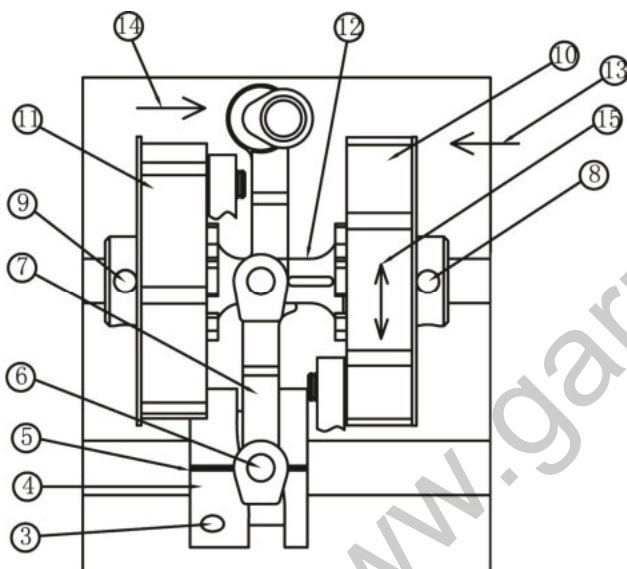
1. Check whether the forward and inverse stitch is overlapped. If there is tiny error, please loosen screw ① and use tool to adjust the eccentric pin ②.





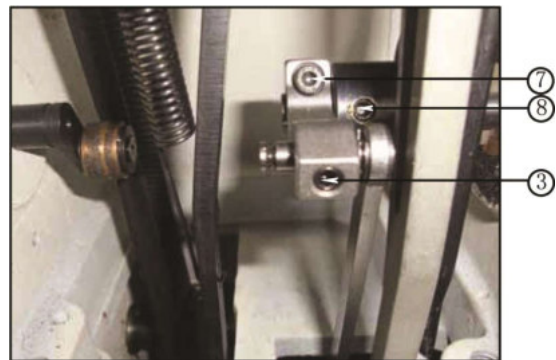
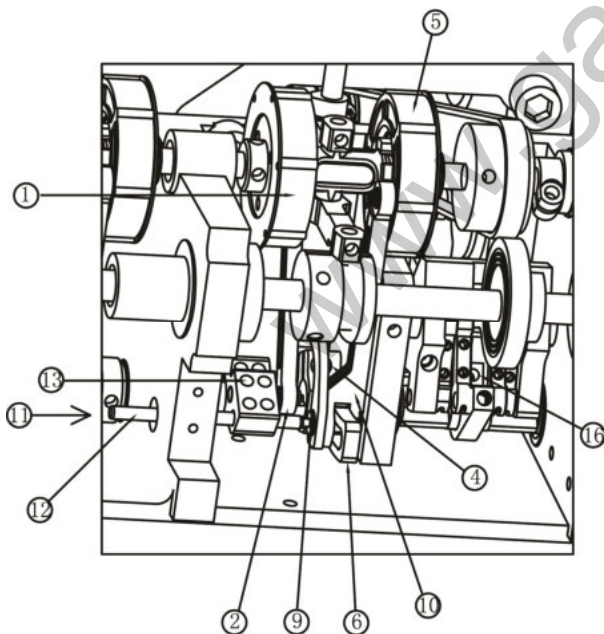
## 9. ADJUSTMENT OF CLUTCH

1. The hand-wheel (1) scale of 280 degrees aligns with mark (2), loosen screw (3) on the cam (4), adjust the engraved lines (5) on the cam (4) align with the pin (6) on swing arm (7). Before fastening screw (3) note the swing arm (7) in a vertical state.
2. Manually along the direction of the arrow (13) moves the right clutch (10), the clutch (10) and the push ring (12) contacts the fastening screws (3) note that the swing arm (7) in a vertical state.
3. Repeated to check the position of the right clutch (10), inversion hand-wheel (1) to 260 degrees, the alignment marks (2). At this point the clutch is fully open and can be rotated along arrow (15) and against. (Left clutch (11) debugging method, ibid.)



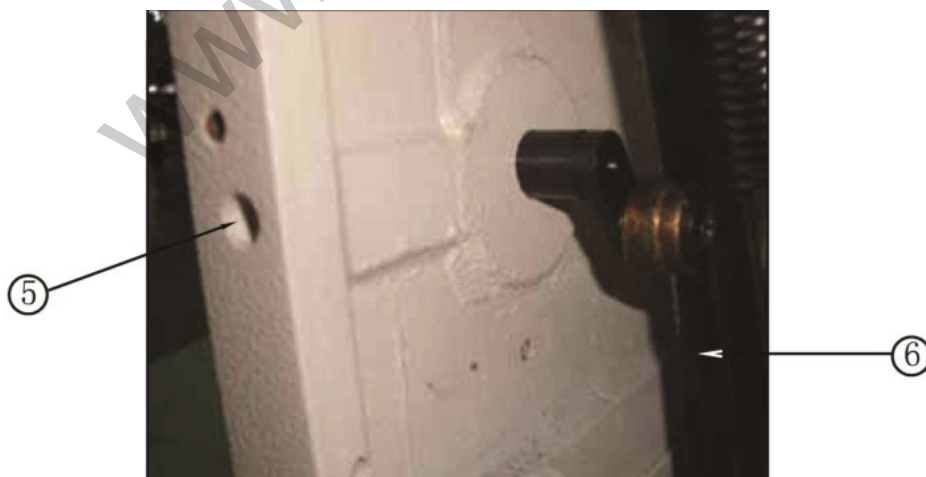
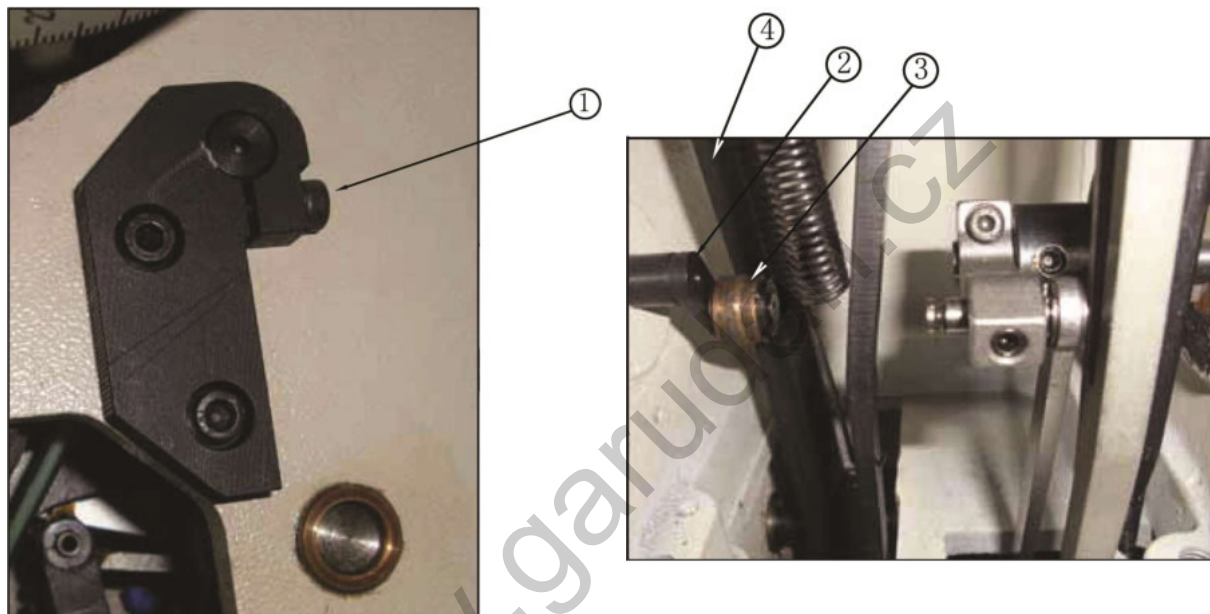
## 10. CONNECTING ROD POSITIONING

1. Hand-wheel dial 200 alignment the mast, the regulation ⑫ used in section 2 continues to go along the direction of the arrow until the regulation ⑫ inserted in the connecting pin ⑨ of the connecting rod ⑩.
2. Open the rear cover and fasten the screws ⑦ ⑧ (Please keep axial gap when fasten the screws).
3. Move around the position of the drive shaft ⑥ and adjust the engagement position of the connecting rod ⑩ and the right-drive clutch ⑤. After the adjustment, please fasten the screws ③ ④.
4. Move around the position of the drive shaft ⑥ and adjust the engagement position of the connecting rod ② and the left-drive clutch ①. After the adjustment, please fasten the screws ⑬.
5. Turn the hand wheel to 190 degrees, align the mark and fasten the screw ⑯. (At the moment, the adjustment of the main drive feeding has been completed. Turn the hand wheel to check whether feeding smoothly, if any abnormal sound or dead point, please repeat debugging and fine-tune the relevant positional relationship.)



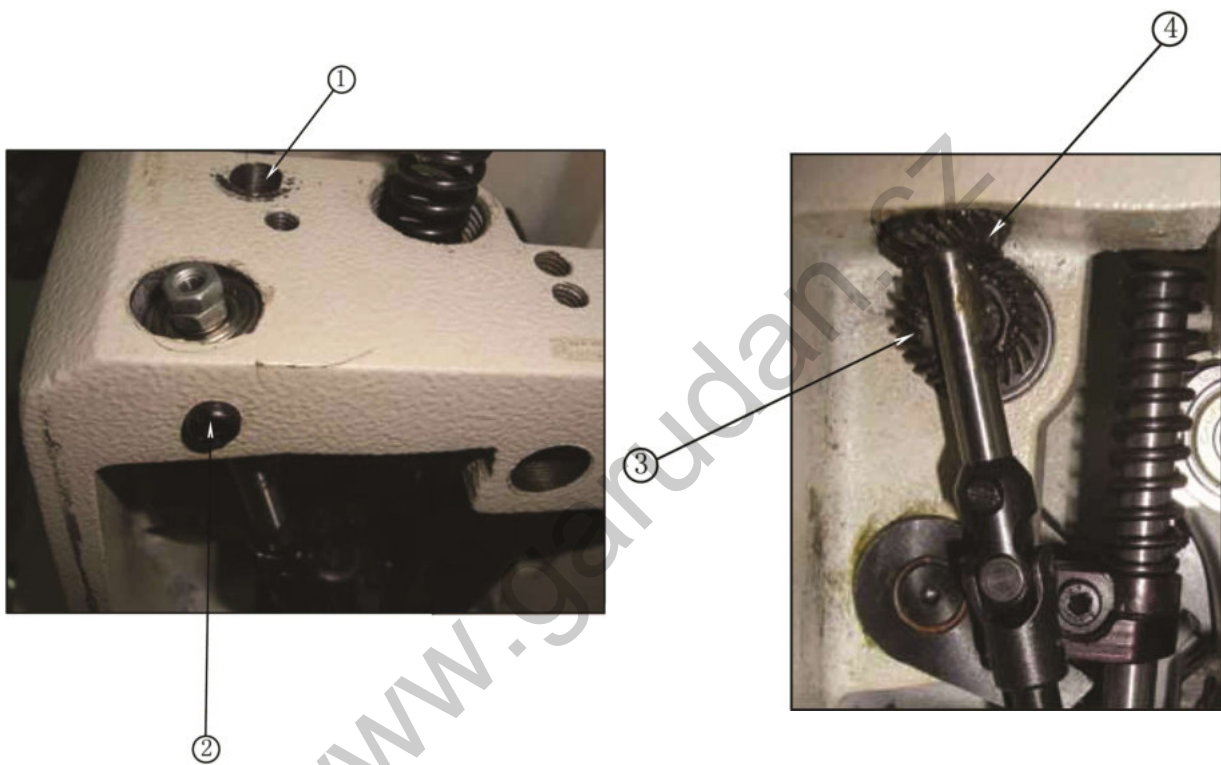
## 11. UPPER FEED DRIVE BELT TENSION ADJUSTMENT

1. Loosen the screw (1) and turn the crank (2) in order to make the tensioner (3) close to the belt (4). Adjust the tensioner (3) to make the belt tension moderate and then fasten the screw (1).
2. Loosen the screw (11), adjust the tension of the belt (6) and then, fasten the screw (5).



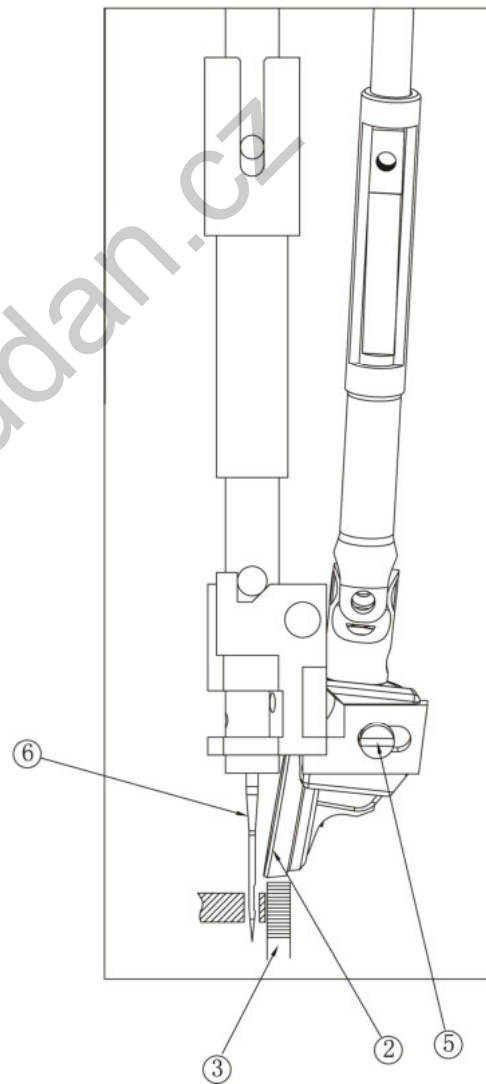
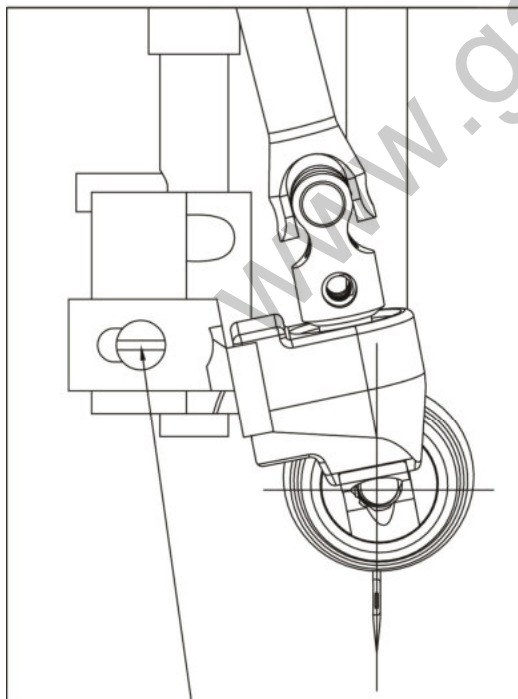
## 12. UPPER FEEDING GEAR GAP ADJUSTMENT

1. Loosen the screw ① ② and fine-tune the gap between gear ③ and gear ④.



### 13. THE POSITIONAL RELATIONSHIP OF UPPER FEEDING

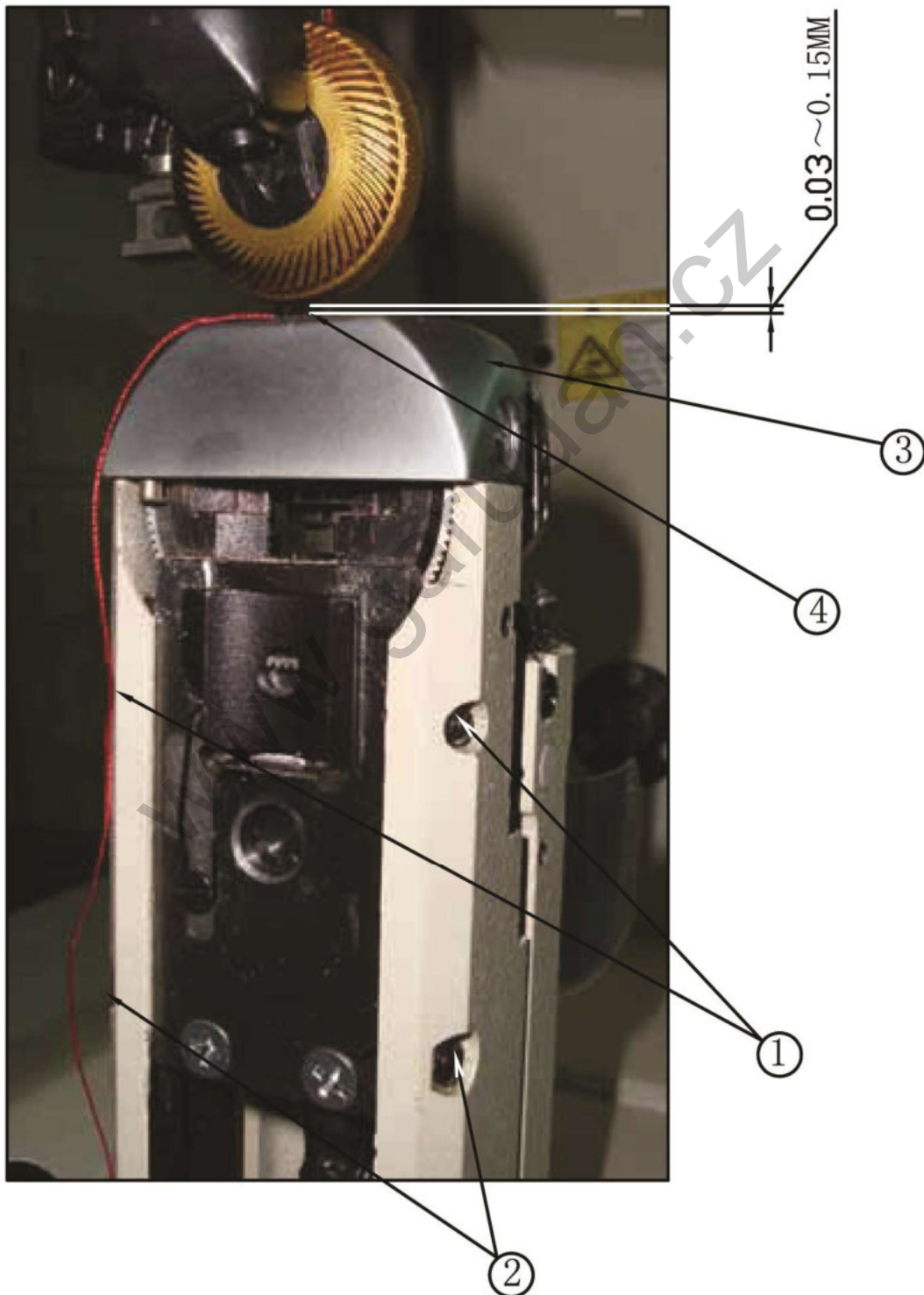
1. Loose screw ① and adjust the relative position between upper feed wheel ② and lower feed wheel ③.
2. Loose screw ④ and adjust the relative position between upper feed wheel and sewing needle ⑥. (Make the center of feed wheel align the sewing needle.)
3. Loose screw ⑤ and adjust the distance between upper feed wheel ② and sewing machine ⑥.





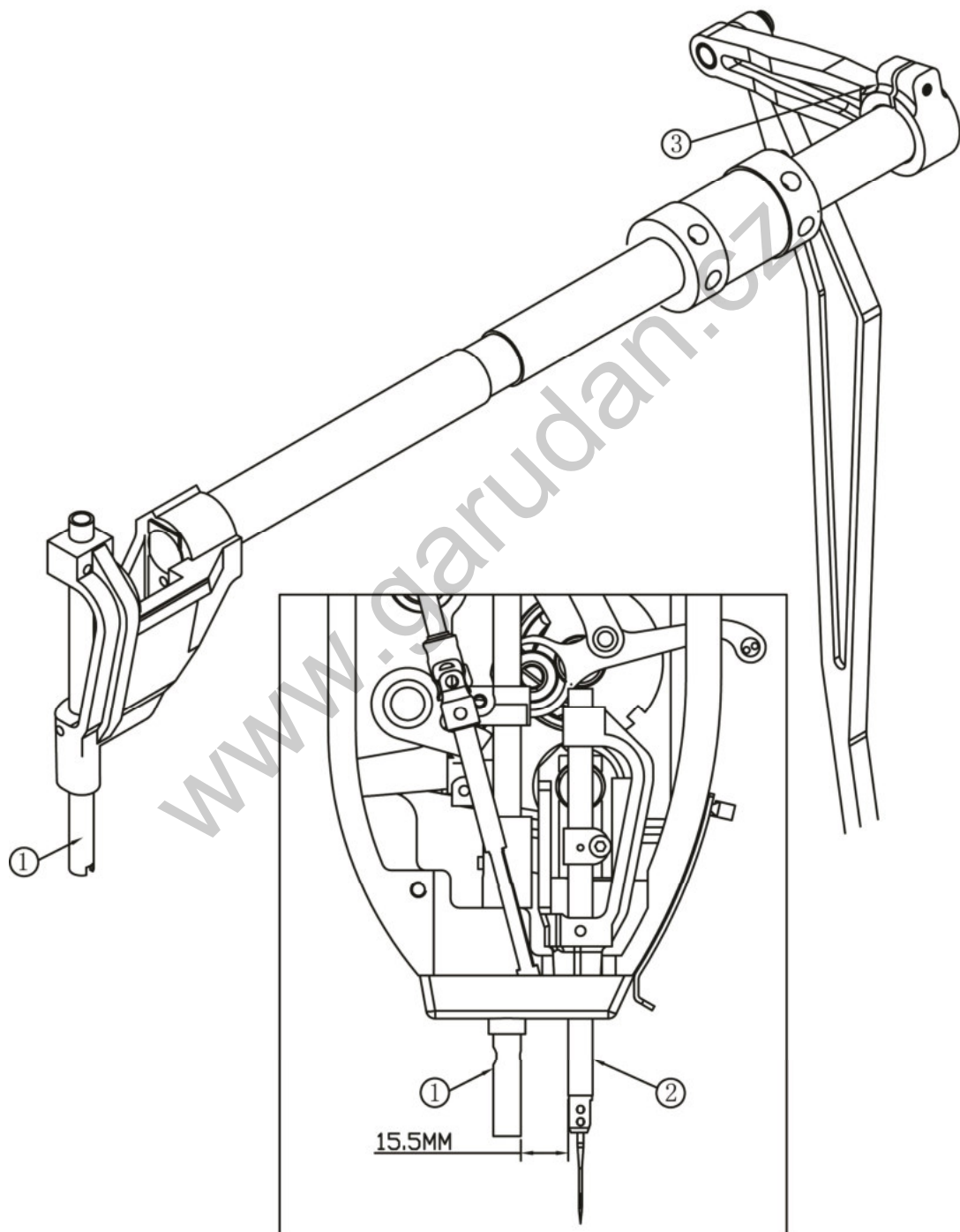
#### 14. ADJUST THE POSITION OF THE LOWER FEED WHEEL

1. Use the tool to adjust screw ① ② and keep the relative position between lower feed wheel and needle plate ③ unchanged. (Reference values: the lower feed wheel ought to be higher than needle plate ③ 0.03 mm to 0.16 mm).



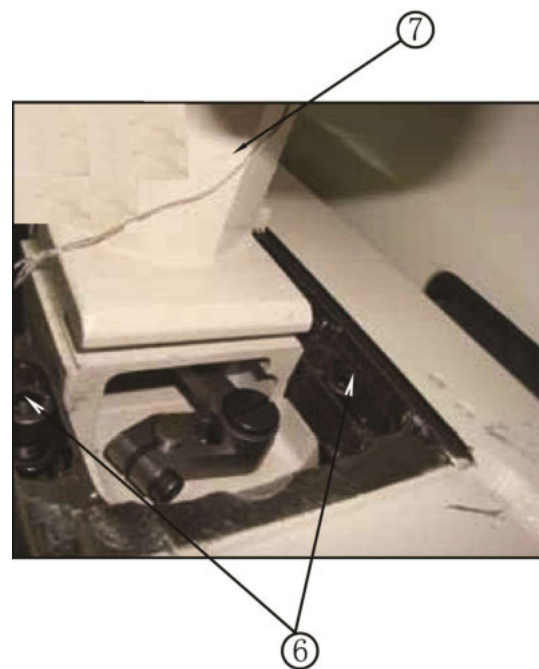
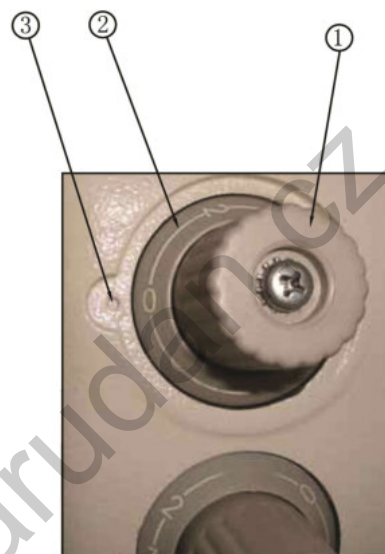
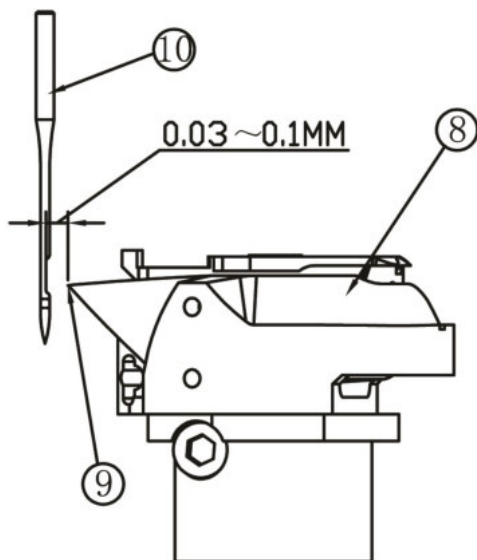
## 15. POSITION DIRECTION THE NEEDLE BAR

1. Measure and make the distance between the presser bar (1) and needle bar (2) be 15.5 mm, then tighten the screw (3).



## 16. ADJUST THE DISTANCE BETWEEN THE SEWING NEEDLE AND THE HOOK

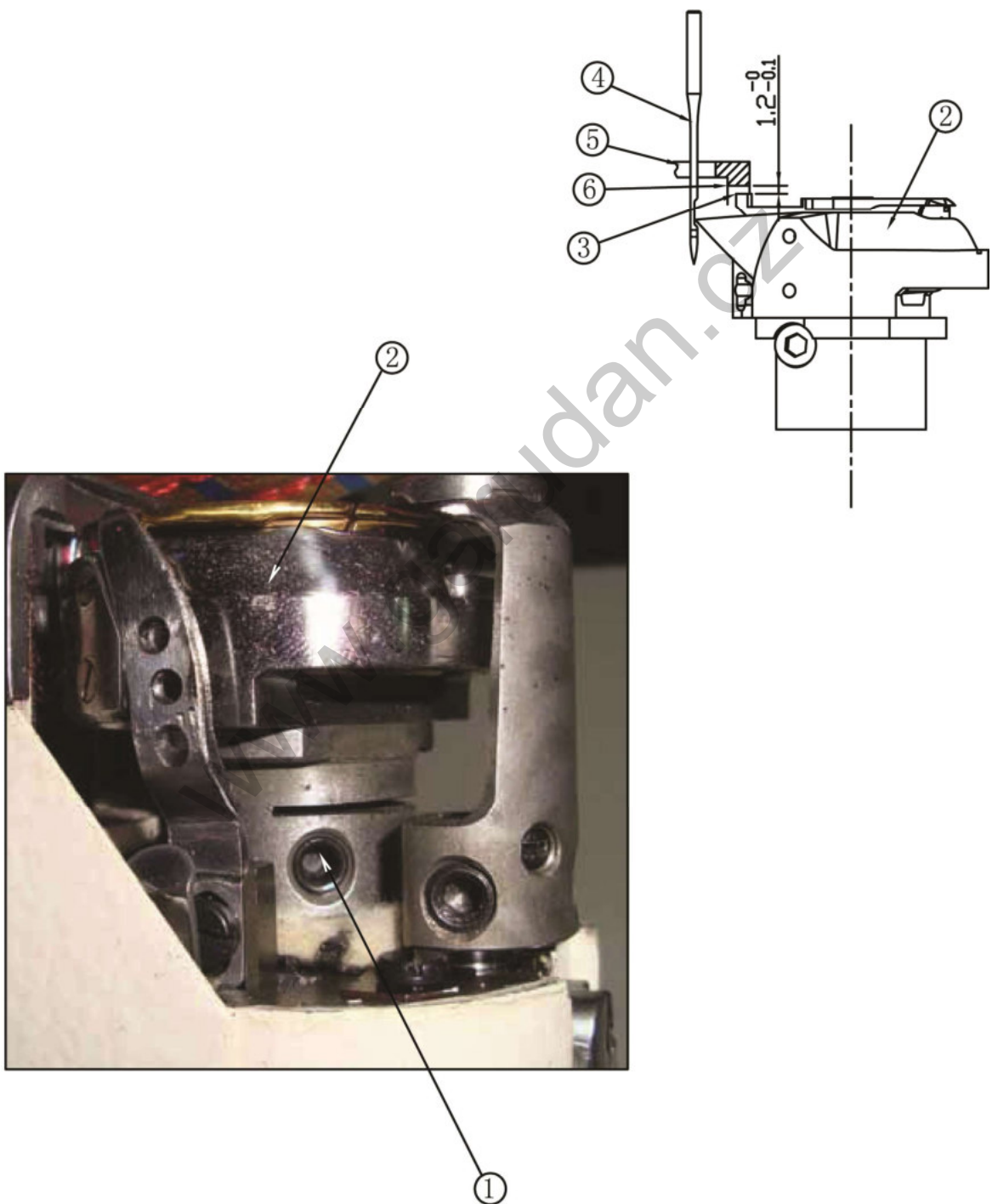
1. Turn around the regulating handle (1), make number "0" of the dial plate (2) aim at the punctuation (3) of the machine body, release the screw (4) (5) (6), move the hook shaft (7), make distance between the sewing needle (10) and the top point (9) of the hook (8) 0.03 mm ~ 0.1 mm, tighten the screw (6).





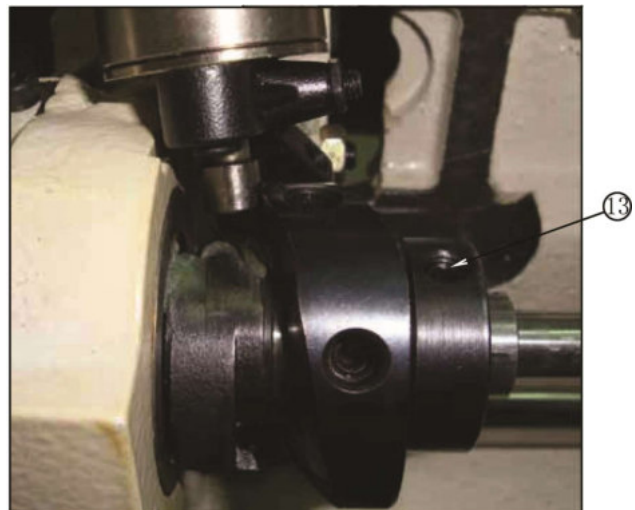
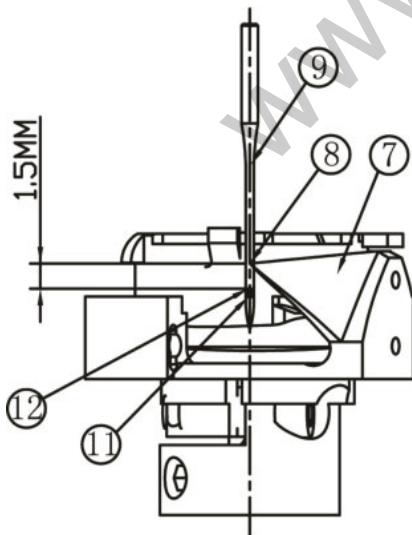
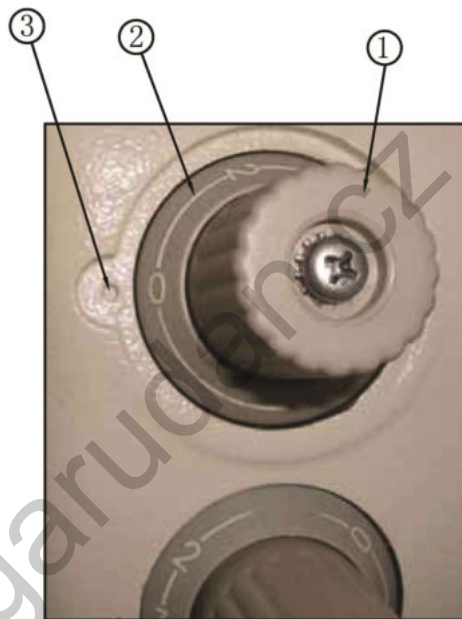
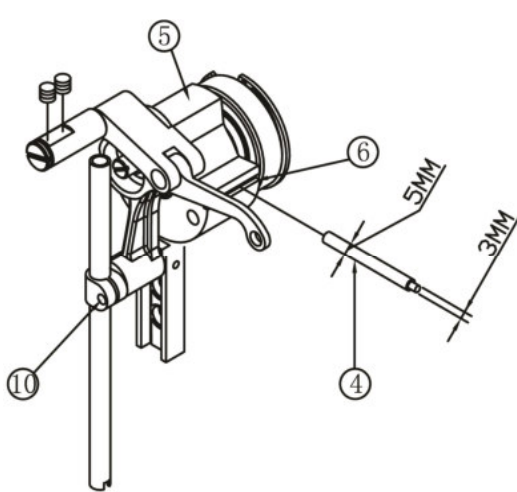
## 17. ADJUST THE HIGHT OF THE HOOK

1. Release the screw ①, move the hook ②, make the distance between gib undersurface ⑥ of the needle plate ⑤ and top surface of the positioning hook ③ of the hook ②.



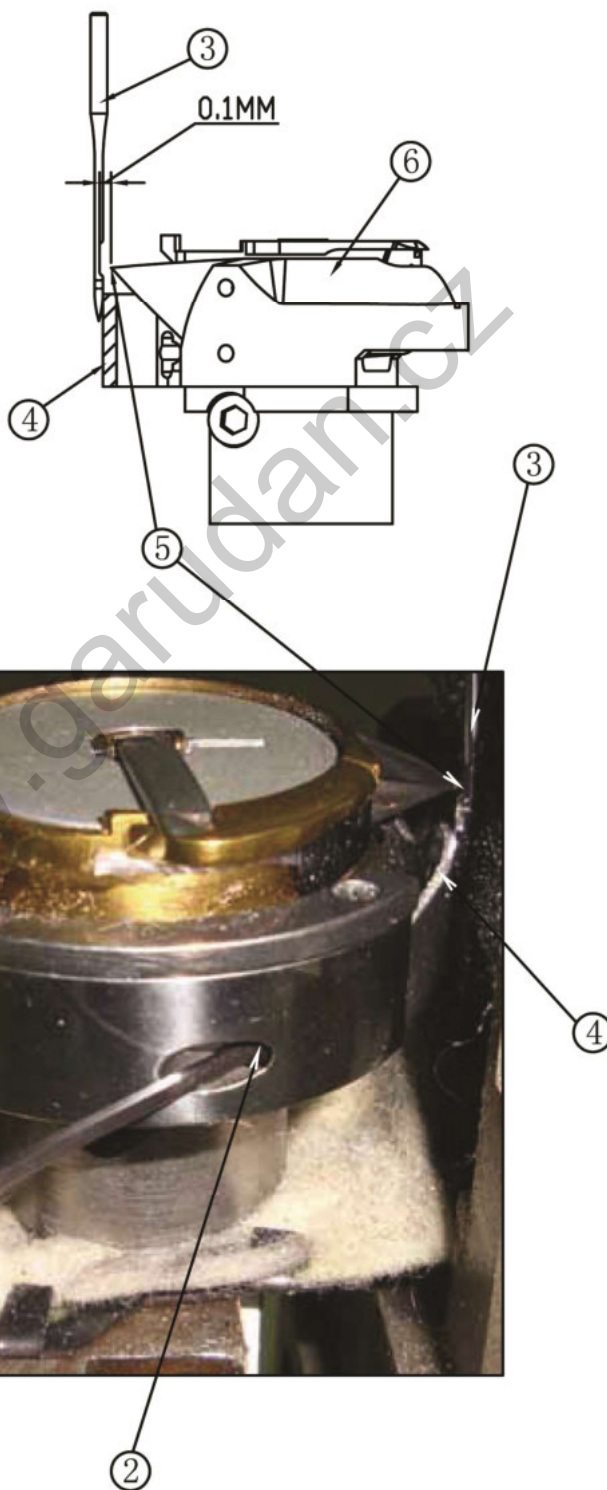
## 18. ADJUST THE BEARDED THREAD TIME

1. Turn around the regulating handle (1), make number "0" of the dial plate (2) aim at the punctuation (3) of the machine body, dip the one side of the measure (4) into the slot (6).
2. Move the hook shaft (7), make the top point (8) of the hook (7) aim at the center of the sewing (9), tighten the screw (13).



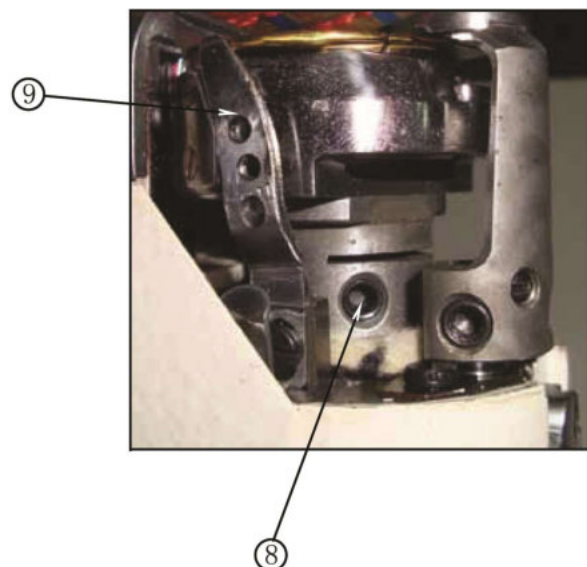
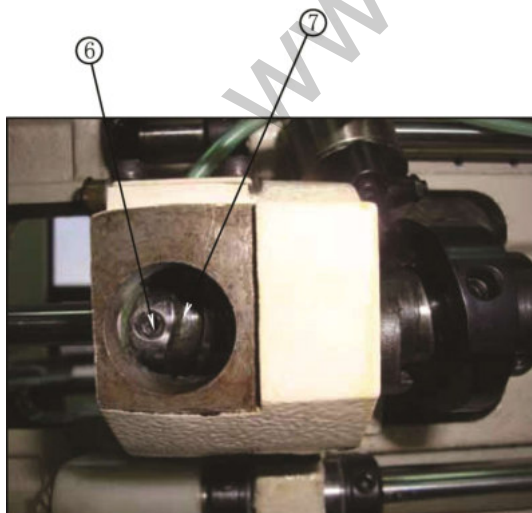
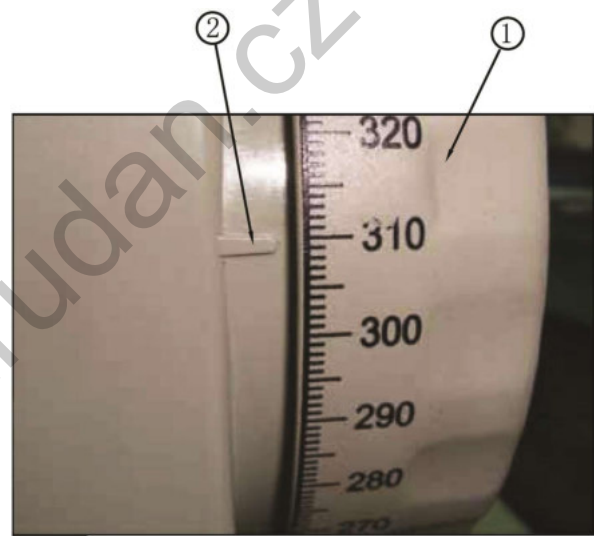
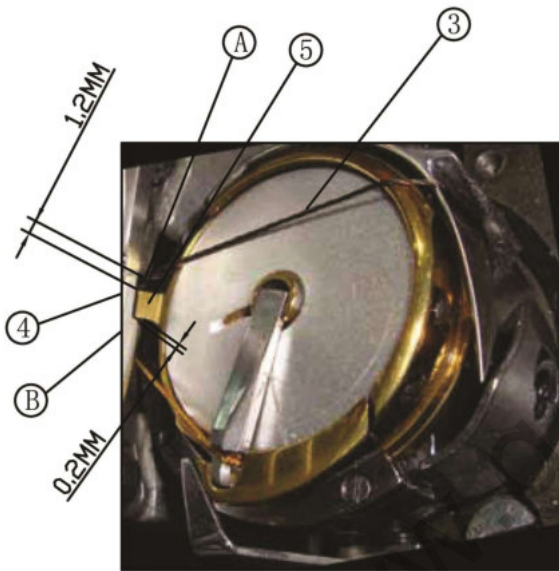
## 19. ADJUST THE GUIDE NEEDLE

1. With the tool ① and adjustment screw ②, make the guide plate ④ and sewing needle ③ just contact. (The moment, the distance between the needle ③ and the top point ⑤ of the hook ⑥ 0.1 mm.)



## 20. THE SPATIAL ADJUSTMENT OF INSIDE HOOK OPENER (1/2)

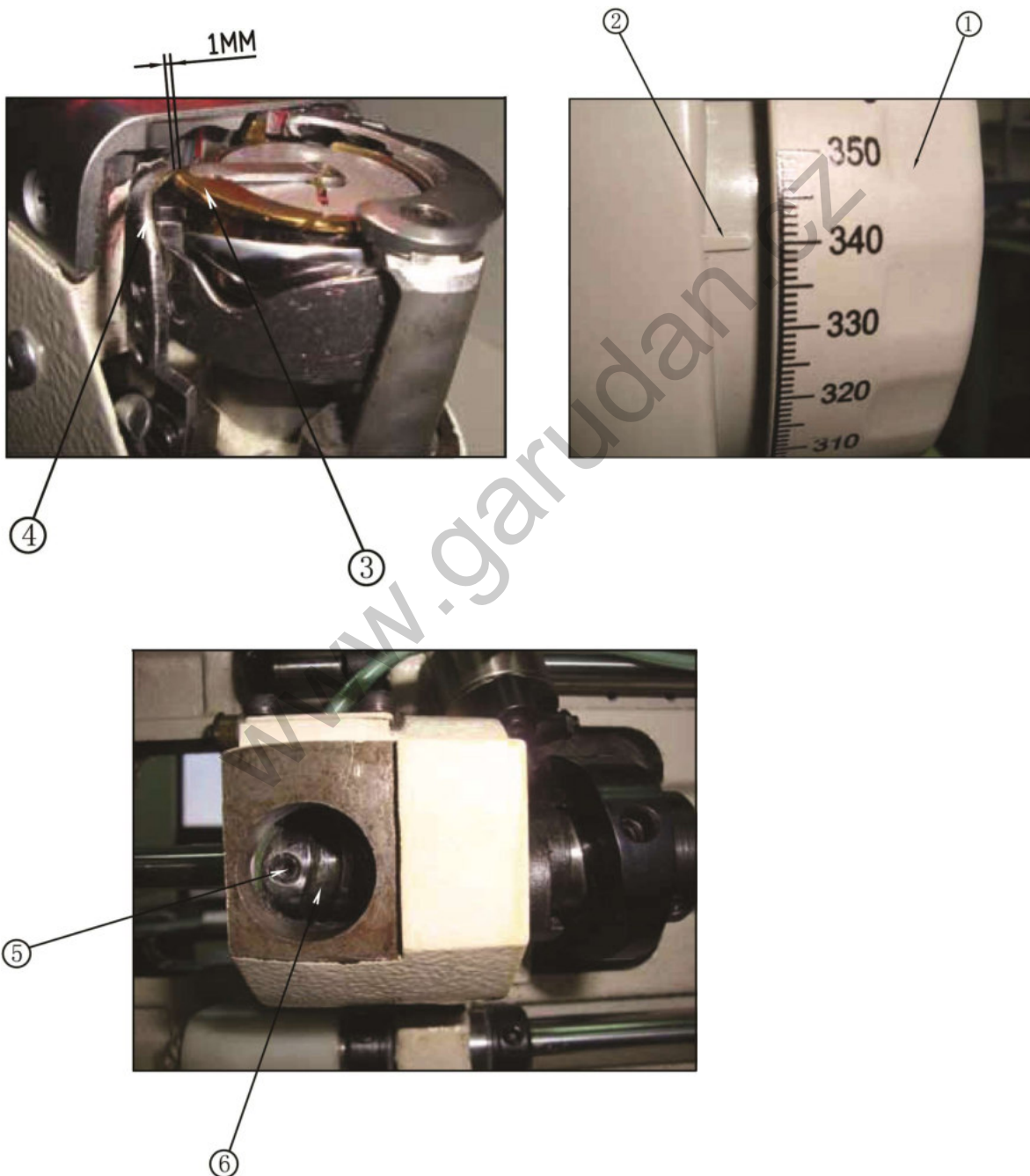
1. Turn the hand wheel (1) to make the mark "310" aim at the mark (2), [make the suture ready to enter the locating clasp groove (4)], make the distance between locating clasp (5) and the side A of locating clasp groove (4) longer than 1.2 mm, so that the suture can through it swimmingly. [The distance between locating clasp (5) and the side B of locating clasp groove (4) longer than 0.2 mm]
2. Screw off the screw (6), move the axis (7) on the left and right side to adjust the place of locating clasp (5) to the extent meeting the demand presented.
3. Screw off the screw (8), adjust the up/down location of the hook opener (9).





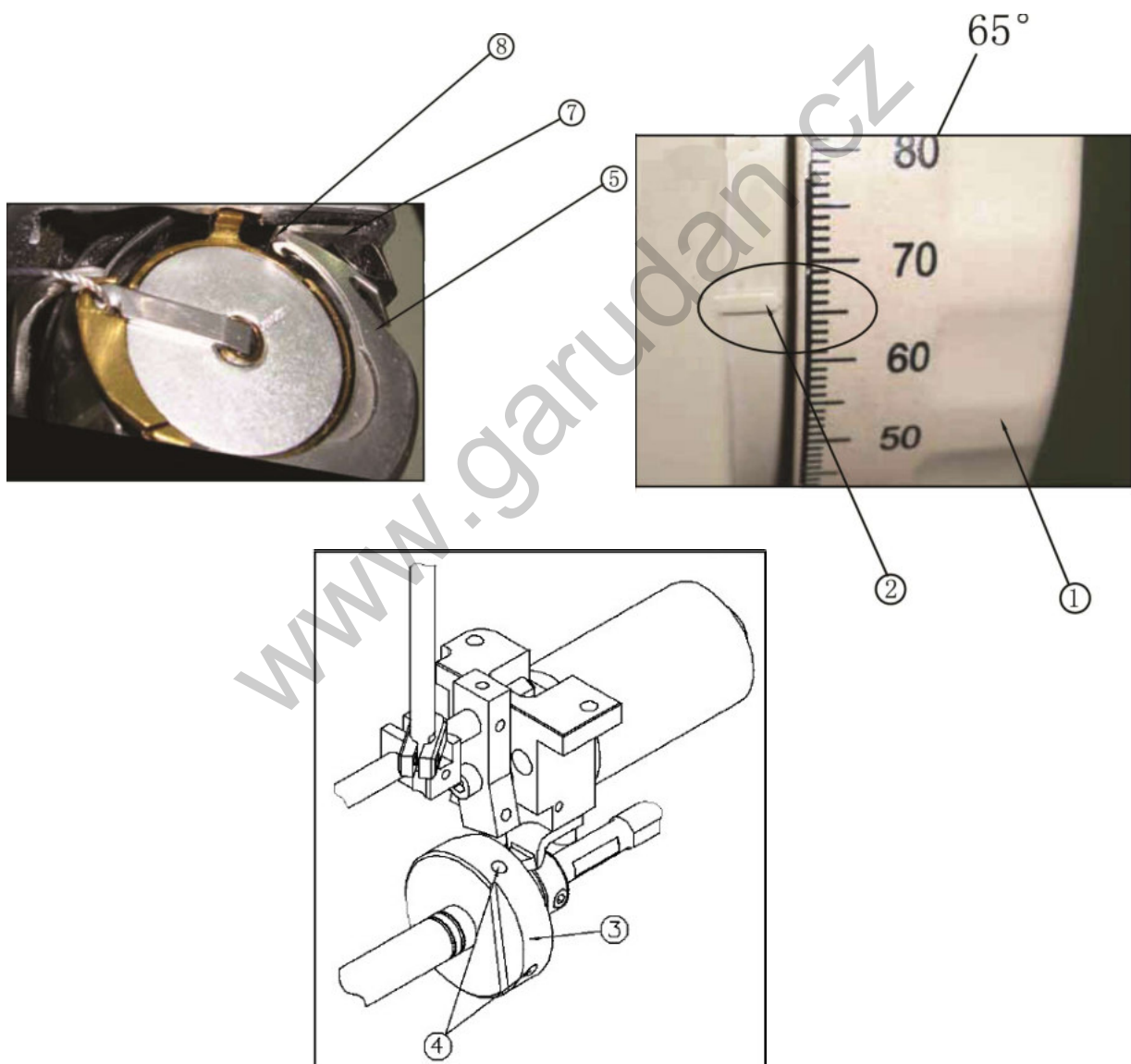
## 21. THE SPATIAL ADJUSTMENT OF INSIDE HOOK OPENER (2/2)

1. Turn the hand wheel (1) to make the mark "340" aim at the mark (2), so that the distance between hook opener (4) and inside hook (3) is longer than 1 mm, sometimes screw off the screw (5) to adjust when needed. Pay attention to make the angle of axis (6), then screw up it (5).



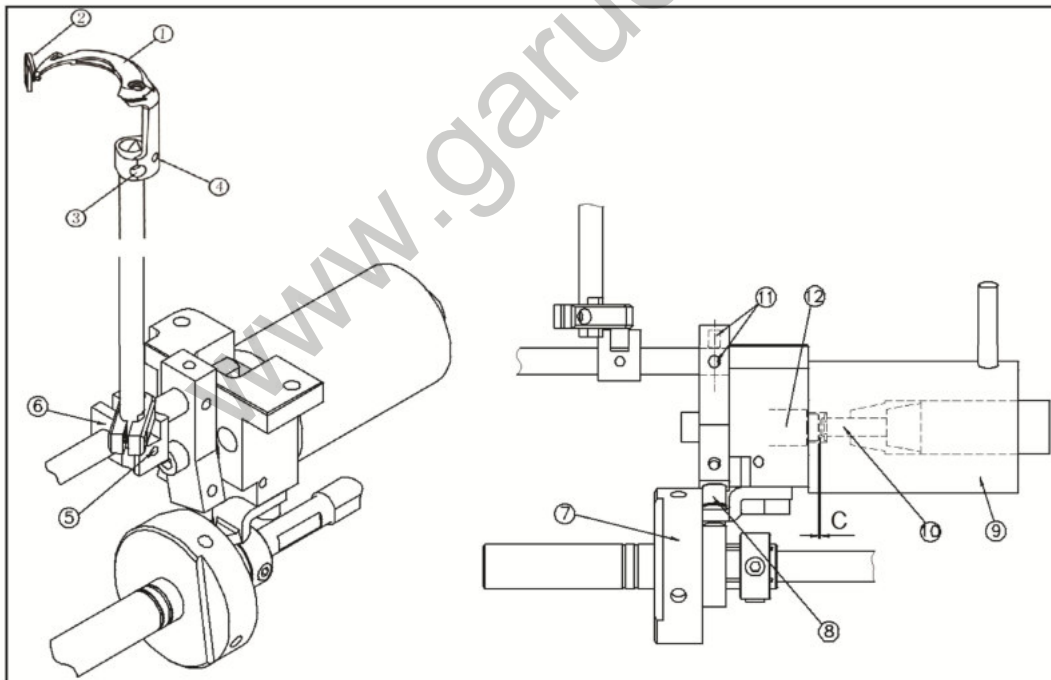
## 22. TIME ADJUSTMENT OF TRIMMING

1. Turn the hand wheel (1) to make the mark "65" aim at the mark (2), adjust the angle of cam, to make the mobile knife (5) go along the arrow direction to the end, screw up the screw (4).
2. After the mobile knife (5) trim the suture, make its top align at the top settled knife (7). [As the picture 8]



### 23. ADJUSTMENT THE POSITION OF THE KNIFE

1. Up/Down adjustment of the place of mobile knife (1) relate to the settled knife (2): screw off the screw (3) and adjust the screw (4), then screw up it (3).
2. Adjustment of the length of the mobile knife route, loosen screw (5) to adjust the position of slider (6). Move it to the left to decrease the stroke and vice versa then screw up it (5).
3. Loosen screw (11) to adjust the clearance between the ends of Plunger (10) and Rod (12). Set  $C = 0.2 \sim 0.4$  mm.
4. Under normal condition, when Solenoid (9) is not magnetized, the gap between Face Cam (7) and Roller (8) should be kept as small as possible but not to contact each other, otherwise it may generate noise during sewing.



## 24. ADJUST THE THREAD QUANTITY AND THE TREAD TENSION OF THE THREAD TAKE-UP SPRING

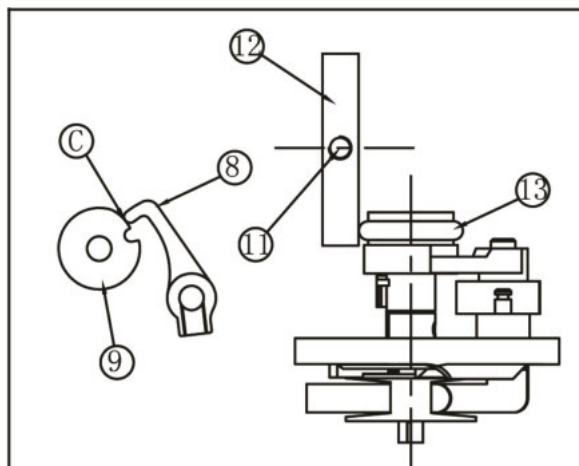
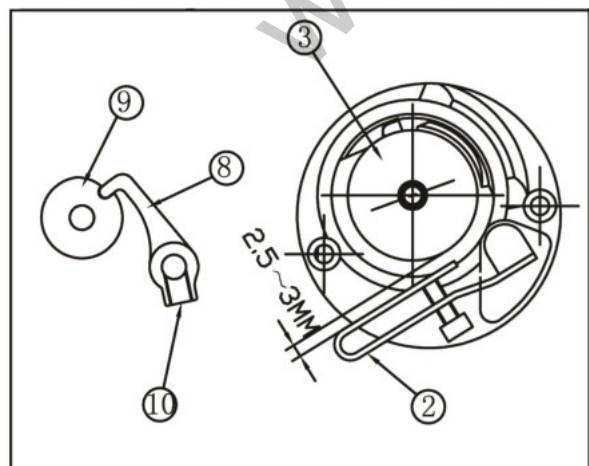
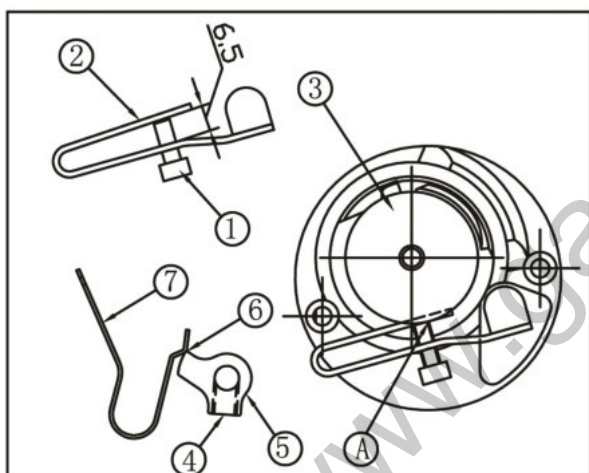
1. Release the screw ① to left, the thread quantity of thread guide ② will increase, against, it will induce, after adjustment, tighten the screw ①.
2. Release the screw ③, turn the support ④ close wise, the route of the thread take-up spring will induce, against, it will increase, after adjustment, tighten the screw ③ [Reference value: 8 mm].
3. Turn the bush block ⑥ anticlockwise, the thread tension of the take-up spring ⑤ will strengthen, against, it will get weaken.





## 25. WIPER ADJUSTMENT

1. Adjust the screw (1), make the adjustable distance of wiper plate (2), move the wiper plate (2) to make alignment the side A of the wiper plate (2) and the edge of bobbin (3), release the screw (4), adjust the position of the top block, to make the spring plate (7) touch like the picture (6), then tighten the screw.
2. Adjust the limit hook (8) into the position cam (9), adjust the distance of the wiper plate (2) and the bobbin (3) be 2.5~3 mm, then tighten the screw (10).
3. Turn around the position cam (9), make the surface of the cam (9) touch the limit hook (8), unlock the screw (11), move the main drive wheel (12), to make the main wheel (12) touch the drive wheel (13), then tighten the screw (11).



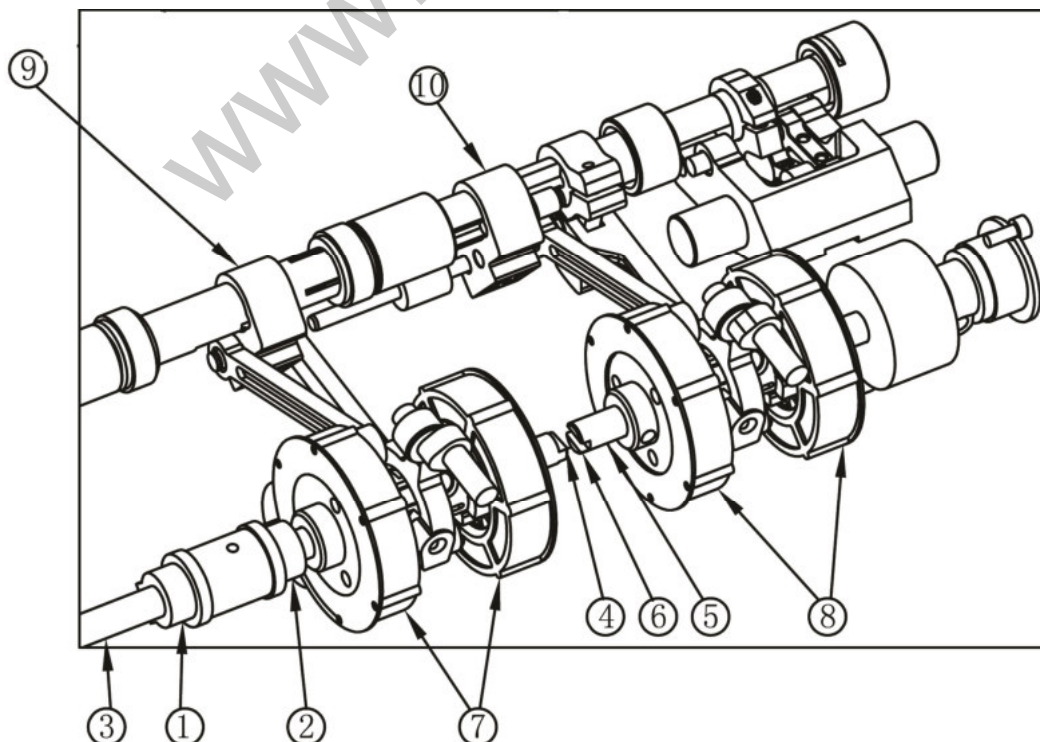
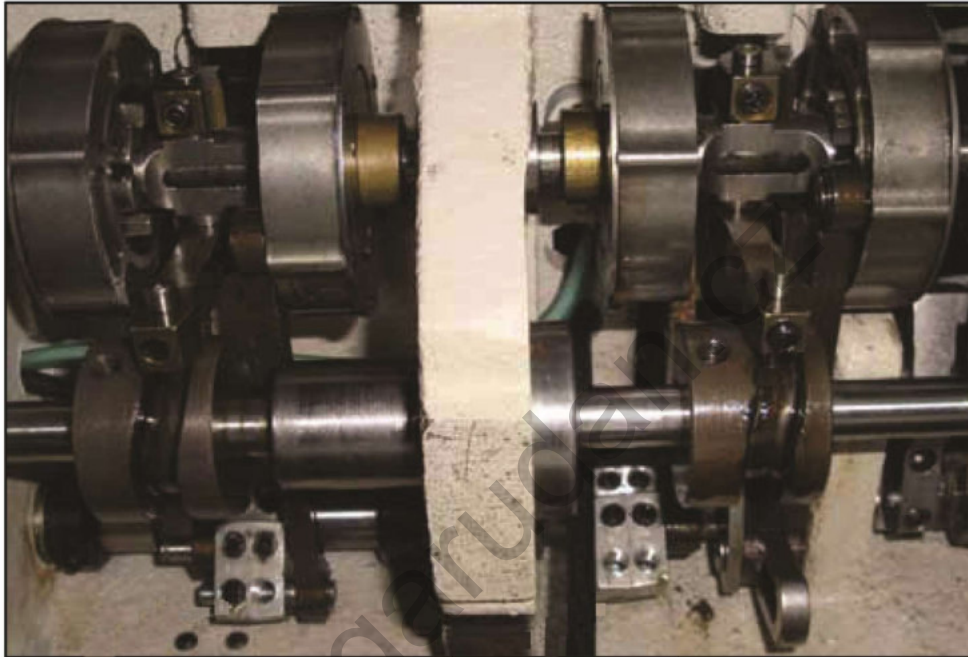
## 26. QUANLITY OF THE LUBRICATING OIL

1. When the oil is lower than the scale mark ②, please add the oil, but not higher than the scale mark ①.



## 27. FEED ADJUST FOR VARIABLE TOP & BOTTOM FEEDING

1. When assembling the differential feeding assy, release the fastening screw of the positioning fastener ① and ②. Move the feeding draft ③, to make the embossment ④ of the feeding draft ③ and the inset ⑥ of the draft ⑤ separate. Tighten the screw of the fastener ① and ②. (The setting position of the clutch assy ⑦ is the same as the clutch assy ⑧.)

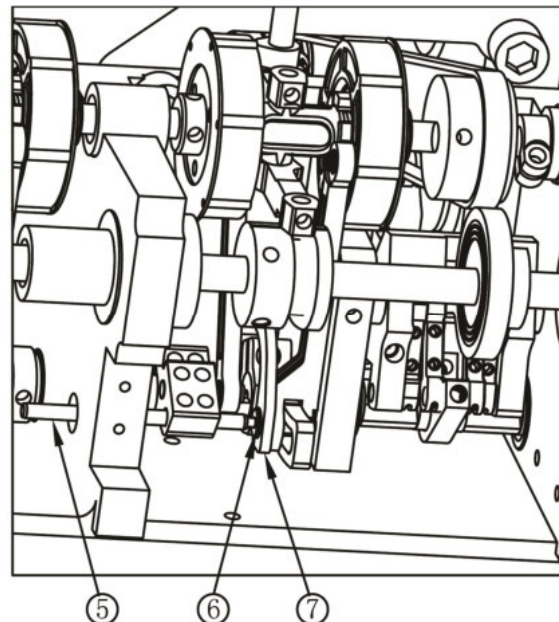
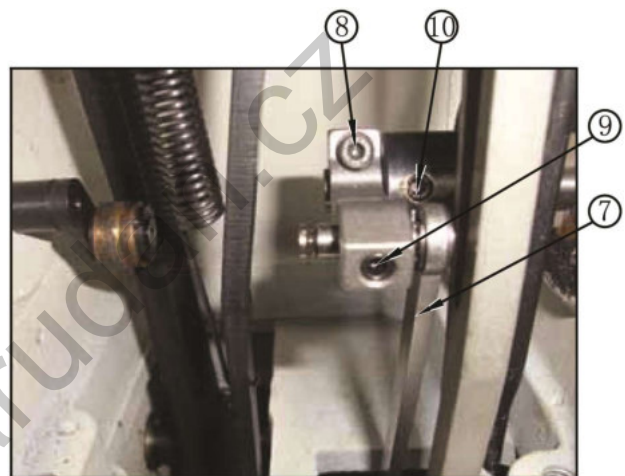


## 28. VARIABLE TOP & BOTTOM FEEDING

1. Release the screw (3), make the scale mark of the hand shank (1) aim at the scale mark (3) of the support (3) and make the one side of the 3 mm measure (5) aim at the connect draft center (6) of the connecting rod (7), tighten the screw (8), after adjusting, pay attention to the left & right position of the connecting (7). Adjust after releasing the screw (9) (Notice: please remove the screw (10), if need the top & bottom feeding function).
2. Guide on the lower feeding wheel, the hand shank (1) move to the scale mark (12), then the upper feed roller will be faster than the lower feed lower, against, slower.
3. Synchronous feeding when the hand shank (1) aim at the scale mark (3) of the support (4).

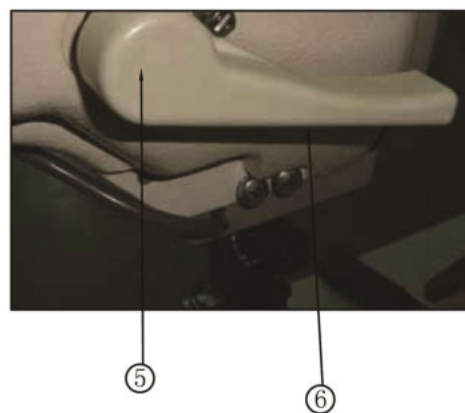
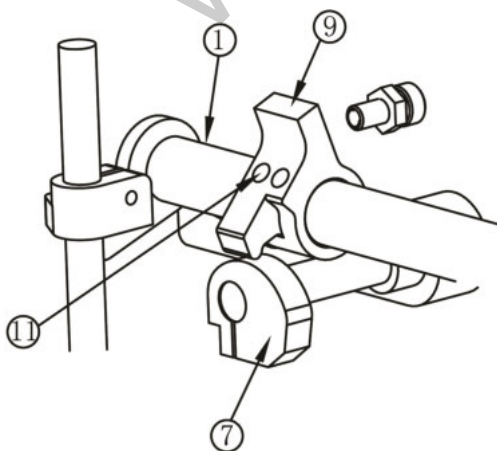
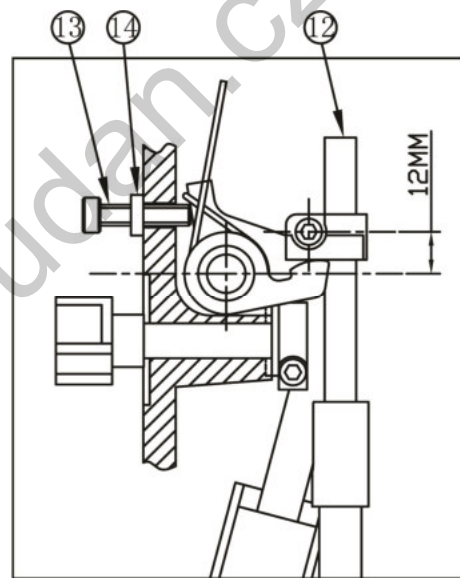
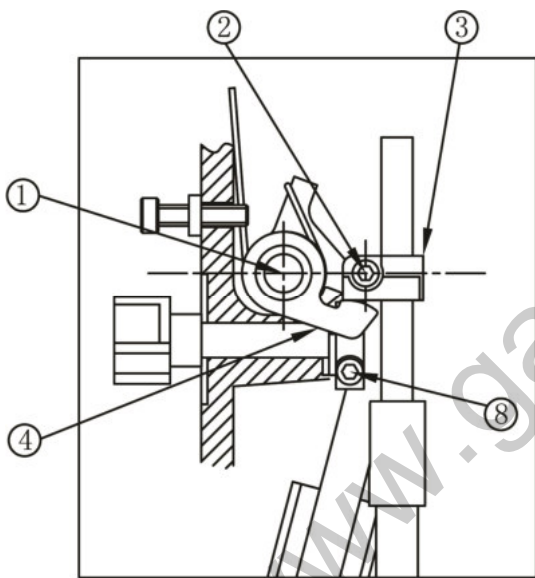


12 3 11 4 2 1



## 29. PRESSER SYSTEM ADJUSTMENT

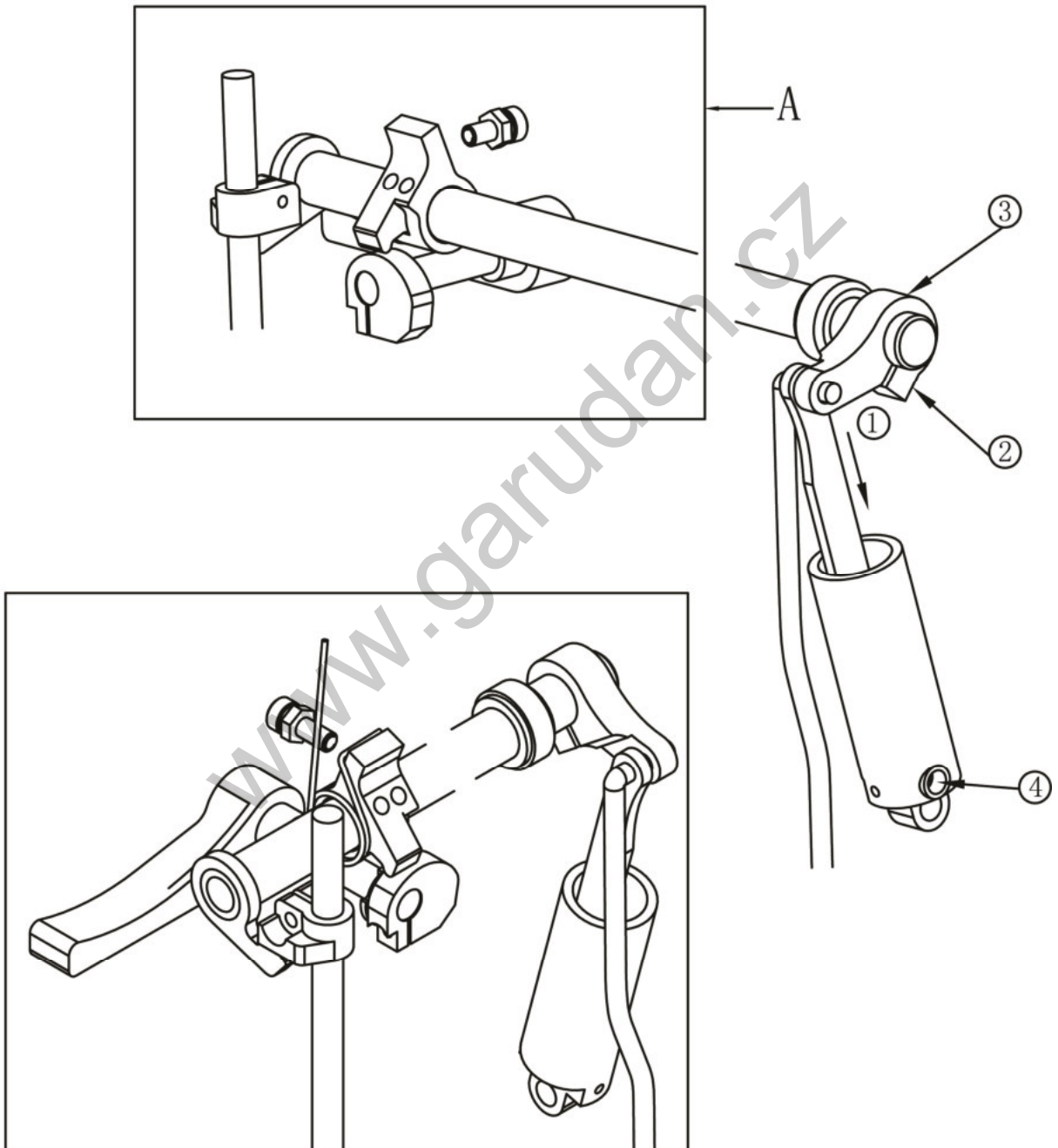
1. Set the position of center hole on screw of lift block (3) aligned with the position of the shaft center, turn the lift lever to connect with lift block (3).
2. Turn handle (5) and make the bottom (6) parallel to the shaft (1).
3. Turn lift cam (7) and make the screw (8) on the cam (7) parallel to shaft (1), tighten the screw (8). Turn block (9) to connect with lift cam (7), tighten screw (11).
4. Turn lift lever (4), to let lift block up 12 mm. Adjust the limit screw (13) to connect with block (9), tighten nut (14).





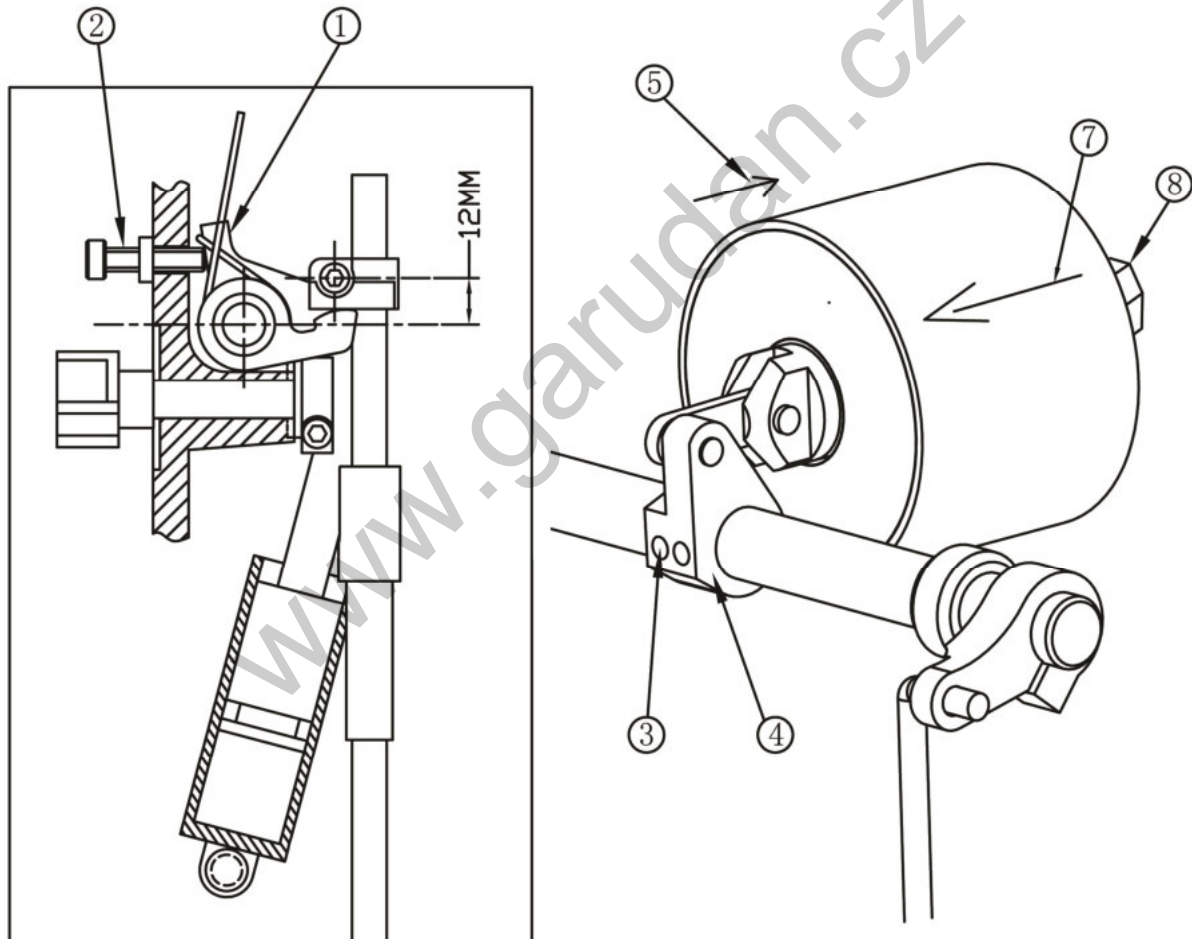
### 30. PRESSER FOOT LIFTING MECHANISM

1. After adjust ready A. Please press lever (3) in the direction of the arrow to the bottom, tighten screw (2), the screw (4) can adjust air presser.



### 31. ADJUSTMENT OF ELECTRIC DRIVE PRESSER FEED ROLLER LEFT

1. Turn block ① to connect with limit screw ②. Loosen screw ④, turn crank ④, let it linked electromagnet core in the direction of the arrow to the bottom, tighten screw ③. (Prompt: make electromagnet core ⑥ back 1 mm in the direction of the arrow before tighten screw ③, avoid the electromagnet core ⑥ hit with electromagnet).
2. Adjust the nut ③, avoid the electromagnet stroke to match with 12 mm stroke of presser roller.







# Spare Parts List



**GP-910-447**

**GP-914-447**

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MP01800EN_180612	12. 06. 2018	Jakub Lžičař

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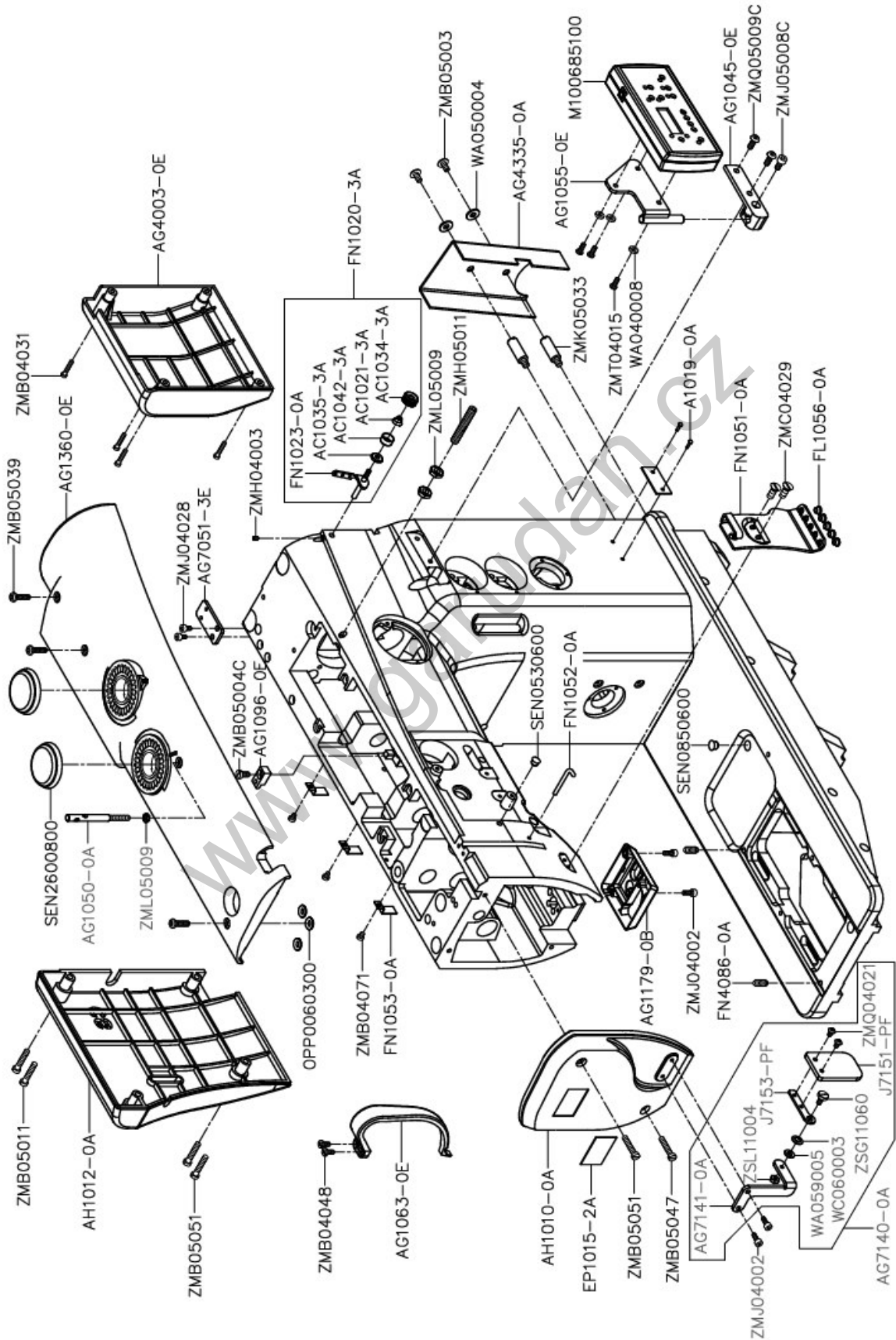
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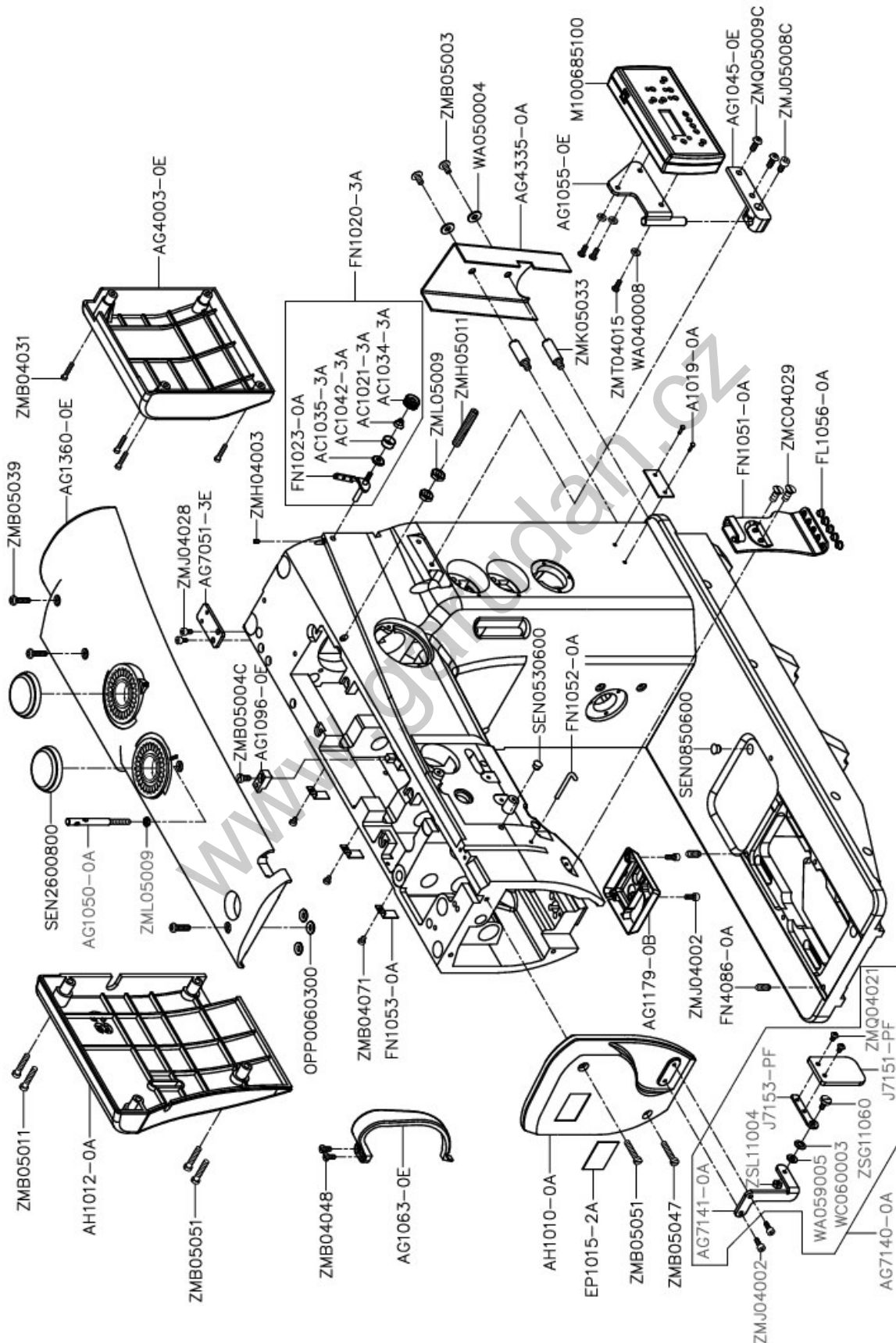
### A. MACHINE BODY AND EXTERIOR PARTS MECHANISM (1/2)



A. MACHINE BODY AND EXTERIOR PARTS MECHANISM (1/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	A1019-0A	Rivet		2	2	
2	AC1021-3A	Tension Spring		1	1	
3	AC1034-3A	Adjusting Nut		1	1	
4	AC1035-3A	Thread Guide Disk		1	1	
5	AC1042-3A	Thread Guide Disk		1	1	
6	AG1045-0E	Support		1	1	
7	AG1050-0A	Spool Pin		1	1	
8	AG1055-0E	Face Plate Arm		1	1	
9	AG1063-0E	Thread Take-up Level Lid		1	1	
10	AG1096-0E	Fix Lump		1	1	
11	AG1179-0B	Head Lamp Seat		1	1	
12	AG1360-0E	Upper Cover		1	1	
13	AG4003-0E	Cover		1	1	
14	AG4335-0A	Pulley Cover		1	1	
15	AG7051-3E	Plate		1	1	
16	AG7140-0A	Goggles Asm.		1	1	
17	AG7141-0A	Goggles Holder		1	1	
18	AH1010-0A	Face Plate		1	1	
19	AH1012-0A	Cover		1	1	
20	EP1015-2A	Nameplate		1	1	
21	FL1056-0A	Ceramics Thread Guide		5	5	
22	FN1020-3A	Thread Tension Regulator Asm.		1	1	
23	FN1023-0A	Thread Guide Asm.		1	1	
24	FN1051-0A	Thread Guide		1	1	
25	FN1052-0A	Thread Guide		1	1	
26	FN1053-0A	Press Board		3	3	
27	FN4086-0A	Screw		2	2	
28	J7151-PF	Goggles		1	1	
29	J7153-PF	Rocker Arm		1	1	
30	M100685100	Control Plate		1	1	
31	OPP0060300	O-ring		3	3	
32	SEN0530600	Plug		1	1	
33	SEN0850600	Plug		1	1	
34	SEN2600800	Plug		2	2	
35	WA040008	Washer		3	3	
36	WA050004	Washer		2	2	
37	WA059005	Washer		1	1	
38	WC060003	Washer		1	1	
39	ZMB04031	Screw (M4-0.7x20)		4	4	

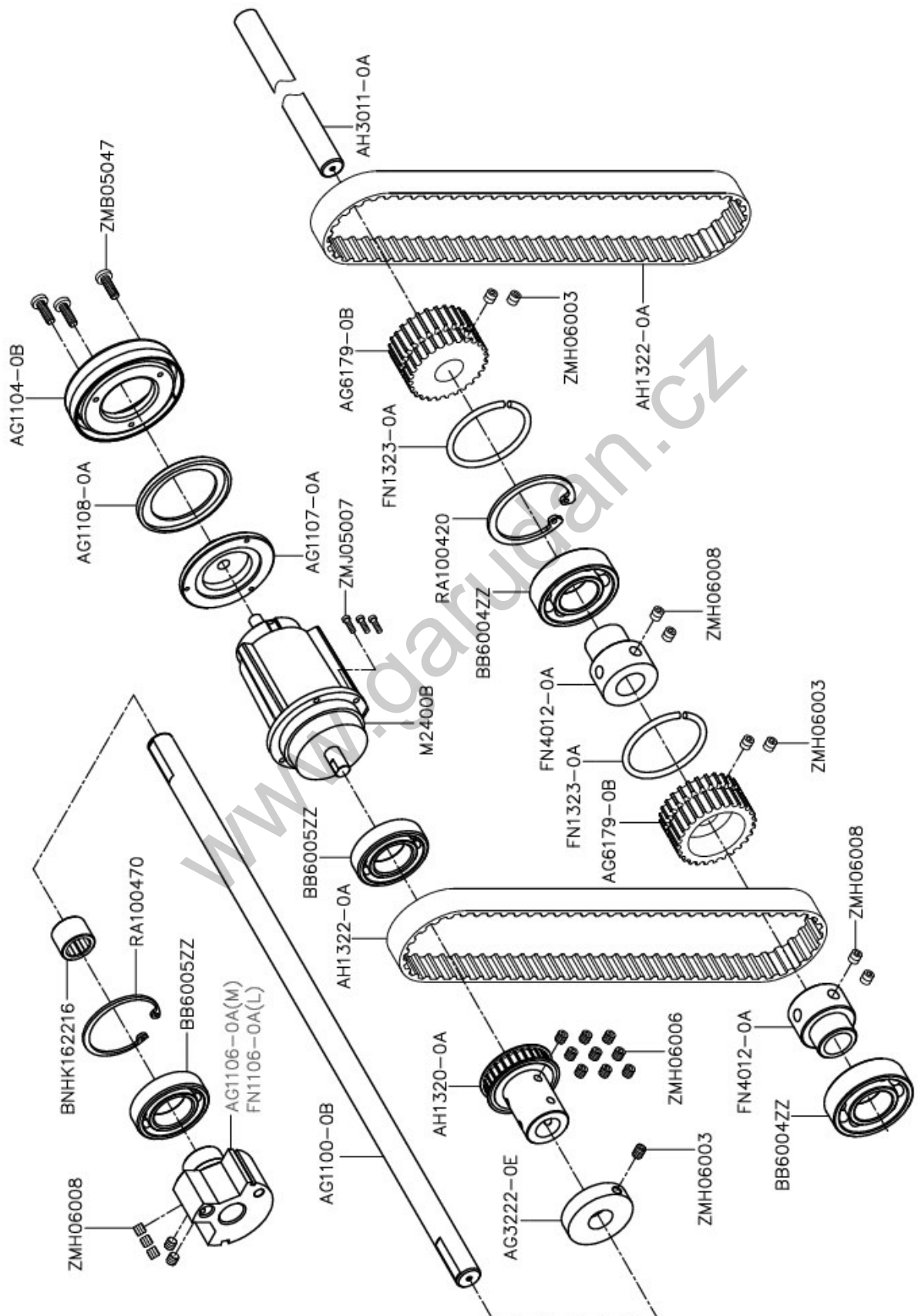


A. MACHINE BODY AND EXTERIOR PARTS MECHANISM (2/2)



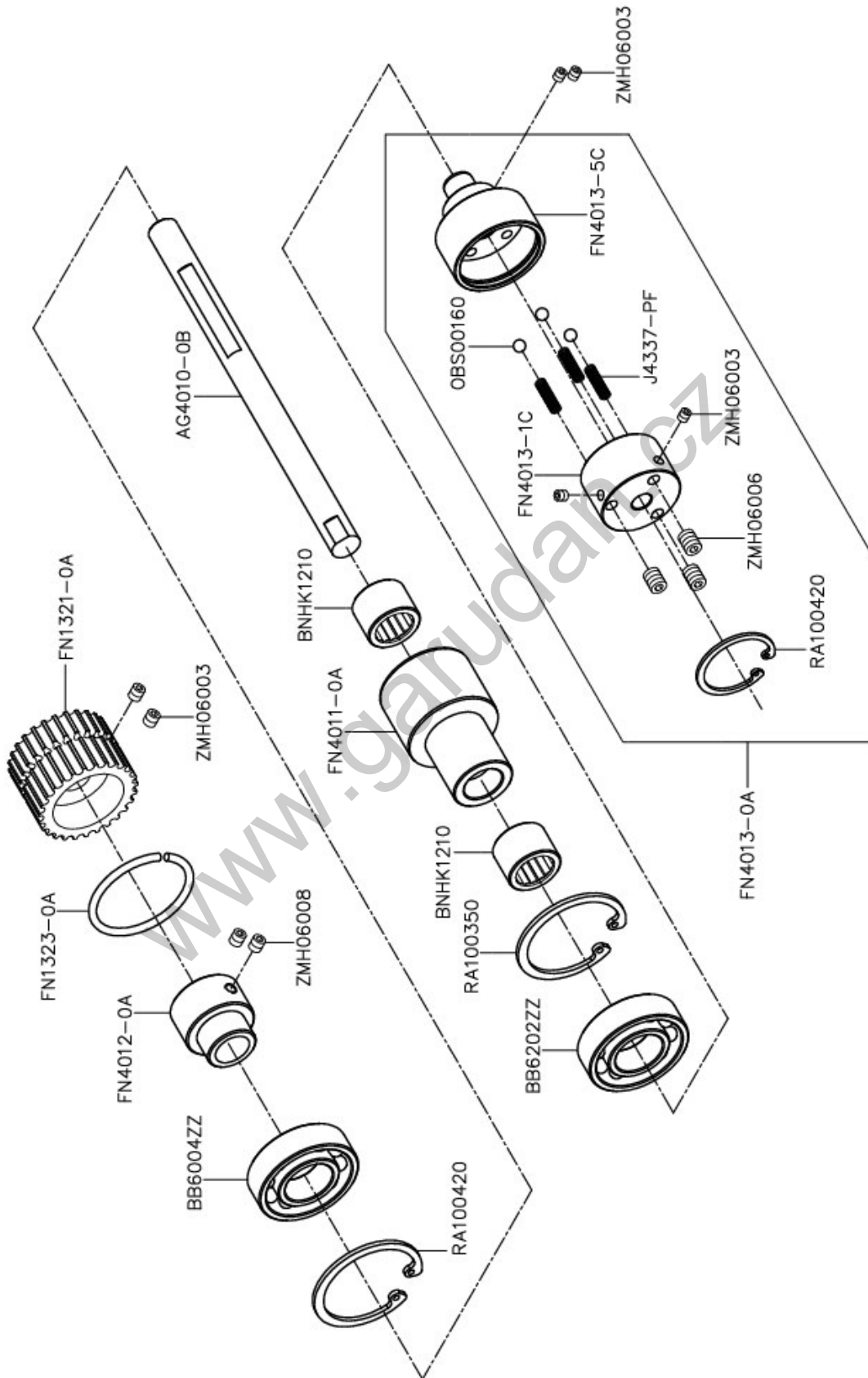
A. MACHINE BODY AND EXTERIOR PARTS MECHANISM (2/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
40	ZMB04048	Screw (M4-0.7x9.5)		2	2	
41	ZMB04071	Screw (M4-0.7x6)		3	3	
42	ZMB05003	Screw (M5-0.8x7)		2	2	
43	ZMB05004C	Screw (M5-0.8x10)		1	1	
44	ZMB05011	Screw (M5-0.8x40)		2	2	
45	ZMB05039	Screw (M5-0.8x18)		3	3	
46	ZMB05047	Screw (M5-0.8x16)		1	1	
47	ZMB05051	Screw (M5-0.8x23)		3	3	
48	ZMC04029	Screw (M4-0.7x8)		2	2	
49	ZMH04003	Screw (M4-0.7x5)		1	1	
50	ZMH05011	Screw (M5-0.8x30)		1	1	
51	ZMJ04002	Screw (M4-0.7x10)		3	3	
52	ZMJ04028	Screw (M4-0.7x7)		2	2	
53	ZMJ05008C	Screw (M5-0.8x10)		1	1	
54	ZMK05033	Screw (M5-0.8x28.5)		2	2	
55	ZML05009	Nut		3	3	
56	ZMQ04021	Screw (M4-0.7x6)		2	2	
57	ZMQ05009C	Screw (M5-0.8x12)		2	2	
58	ZMT04015	Screw (M4-0.7x10)		3	3	
59	ZSG11060	Screw (11/64-40x6.9)		1	1	
60	ZSL11004	Nut		1	1	

## B. UPPER SHAFT MECHANISM



B. UPPER SHAFT MECHANISM						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	AG1100-0B	Upper Shaft		1	1	
2	AG1104-0B	Hand Wheel		1	1	
3	AG1106-0A	Cam		1	1	
4	AG1107-0A	Hand Wheel Seat		1	1	
5	AG1108-0A	Dial		1	1	
6	AG3222-0E	Driving Wheel		1	1	
7	AG6179-0B	Hand Wheel Belt Pulley		2	2	
8	AH1320-0A	Upper Timing Belt		1	1	
9	AH1322-0A	Strap		2	2	
10	AH3011-0A	Shaft		1	1	
11	BB6004ZZ	Bearing		2	2	
12	BB6005ZZ	Bearing		2	2	
13	BNHK162216	Bearing		1	1	
14	FN1106-0A	Cam		1	1	
15	FN1323-0A	Strap Wheel Border Ring		2	2	
16	FN4012-0A	Connect Sheath		2	2	
17	M2400B	Motor		1	1	
18	RA100420	C-ring		1	1	
19	RA100470	C-ring		1	1	
20	ZMB05047	Screw (M5-0.8x16)		3	3	
21	ZMH06003	Screw (M6-1.0x8)		5	5	
22	ZMH06006	Screw (M6-0.75x6)		9	9	
23	ZMH06008	Screw (M6-1.0x6)		9	9	
24	ZMJ05007	Screw (M5-0.8x16)		3	3	

### C. LOWER SHAFT MECHANISM



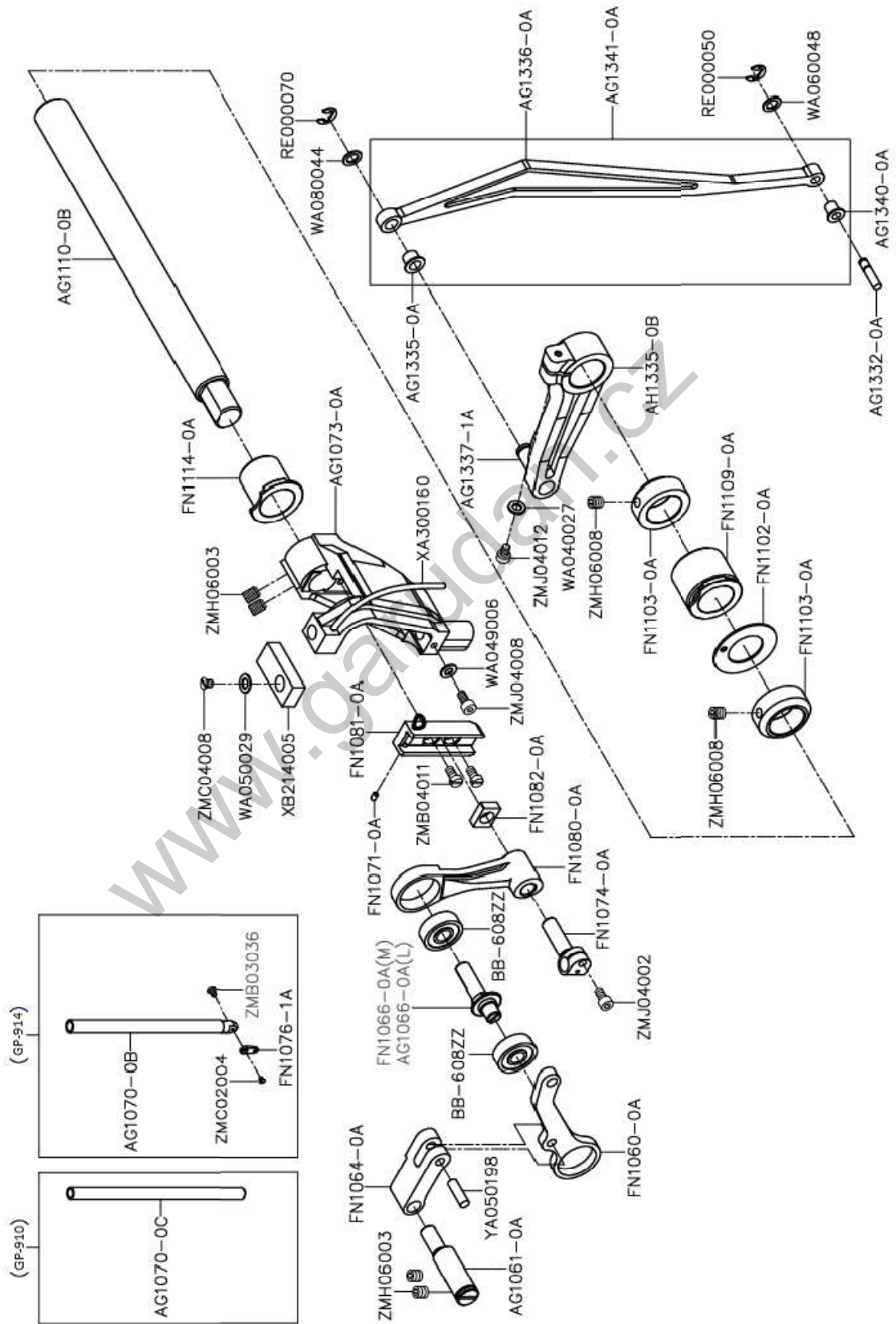


C. LOWER SHAFT MECHANISM						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	AG4010-0B	Lower Shaft		1	1	
2	BB6004ZZ	Bearing		1	1	
3	BB6202ZZ	Bearing		1	1	
4	BNHK1210	Bearing		2	2	
5	FN1321-0A	Strap Wheel		1	1	
6	FN1323-0A	Strap Wheel Border Ring		1	1	
7	FN4011-0A	Lower Bearing Sheath		1	1	
8	FN4012-0A	Connect Sheath		1	1	
9	FN4013-0A	Clutch Asm.		1	1	
10	FN4013-1C	Clutch (left)		1	1	
11	FN4013-5C	Clutch Asm.		1	1	
12	J4337-PF	Spring		3	3	
13	OBS00160	Ball		3	3	
14	RA100350	C-ring		1	1	
15	RA100420	C-ring		2	2	
16	ZMH06003	Screw (M6-1.0x8)		6	6	
17	ZMH06006	Screw (M6-0.75x6)		3	3	
18	ZMH06008	Screw (M6-1.0x6)		2	2	



D. NEEDLE BAR & THREAD TAKE-UP MECHANISM (1/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	AG1061-0A	Thread Take-up Level Pin		1	1	
2	AG1066-0A	Needle Bar Connecting Rod		1	1	
3	AG1070-0B	Needle Bar		1	0	
4	AG1070-0C	Needle Bar		0	1	
5	AG1073-0A	Needle Pole Dais		1	1	
6	AG1110-0B	Shaft		1	1	
7	AG1332-0A	Pin		1	1	
8	AG1335-0A	Bushing		1	1	
9	AG1336-0A	Needle Bar Agitate Rod		1	1	
10	AG1337-1A	Pin		1	1	
11	AG1340-0A	Bushing		1	1	
12	AG1341-0A	Needle Bar Agitate Rod Asm.		1	1	
13	AH1335-0B	Needle Bar Agitate Arm		1	1	
14	BB-608ZZ	Bearing		2	2	
15	FN1060-0A	Thread Take-up Level		1	1	
16	FN1064-0A	Thread Take-up Level Connecting		1	1	
17	FN1066-0A	Needle Bar Connecting Rod		1	1	
18	FN1071-0A	Fastener		1	1	
19	FN1074-0A	Needle Bar Clamp		1	1	
20	FN1076-1A	Thread Guide		1	0	
21	FN1080-0A	Needle Bar Connecting Rod		1	1	
22	FN1081-0A	Slide Dollop Seat		1	1	
23	FN1082-0A	Guide Seat		1	1	
24	FN1102-0A	Washer		1	1	
25	FN1103-0A	Regulator Ring		2	2	
26	FN1109-0A	Bushing		1	1	
27	FN1114-0A	Bushing		1	1	
28	RE000050	E-Ring		1	1	
29	RE000070	E-ring		1	1	
30	WA040027	Washer		1	1	
31	WA049006	Washer		1	1	
32	WA050029	Washer		1	1	
33	WA060048	Washer		1	1	
34	WA080044	Washer		1	1	
35	XA300160	Oil Wick		1	1	
36	XB214005	Felt		1	1	
37	YA050198	Pin		1	1	
38	ZMB03036	Screw (M3-0.5x4)		1	0	
39	ZMB04011	Screw (M4-0.7x8)		2	2	

D. NEEDLE BAR & THREAD TAKE-UP MECHANISM (2/2)

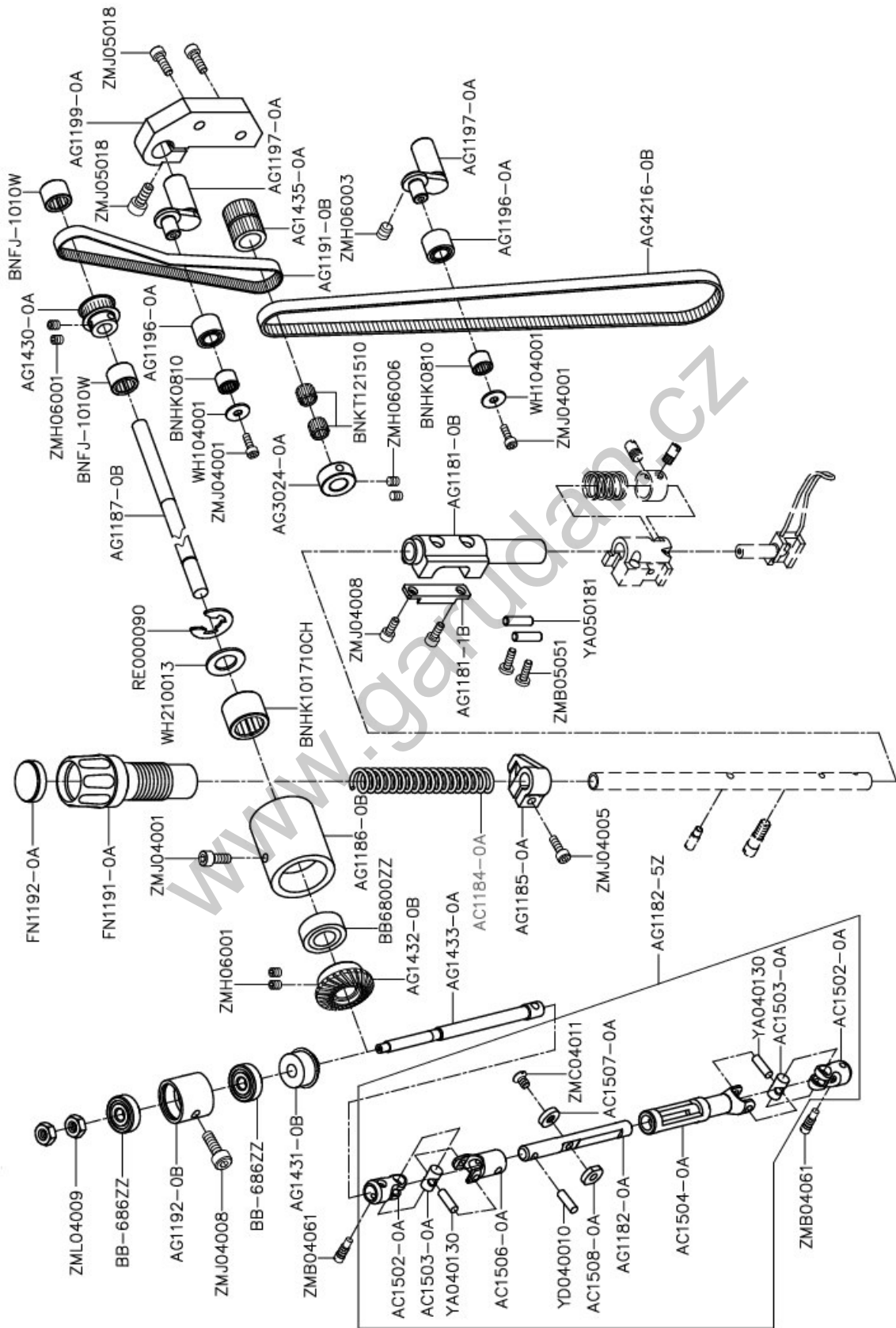


<b>D. NEEDLE BAR &amp; THREAD TAKE-UP MECHANISM (2/2)</b>						
<b>Ref.No</b>	<b>Parts No.</b>	<b>Name of parts</b>	<b>Description</b>	<b>Qty GP-910</b>	<b>Qty GP-914</b>	<b>Note</b>
41	ZMC02004	Screw (M2-0.4x3)		1	0	
42	ZMC04008	Screw (M4-0.7x5)		1	1	
43	ZMH06003	Screw (M6-1.0x8)		4	4	
44	ZMH06008	Screw (M6-1.0x6)		2	2	
45	ZMJ04002	Screw (M4-0.7x10)		1	1	
46	ZMJ04008	Screw (M4-0.7x6)		1	1	
47	ZMJ04012	Screw (M4-0.7x16)		1	1	

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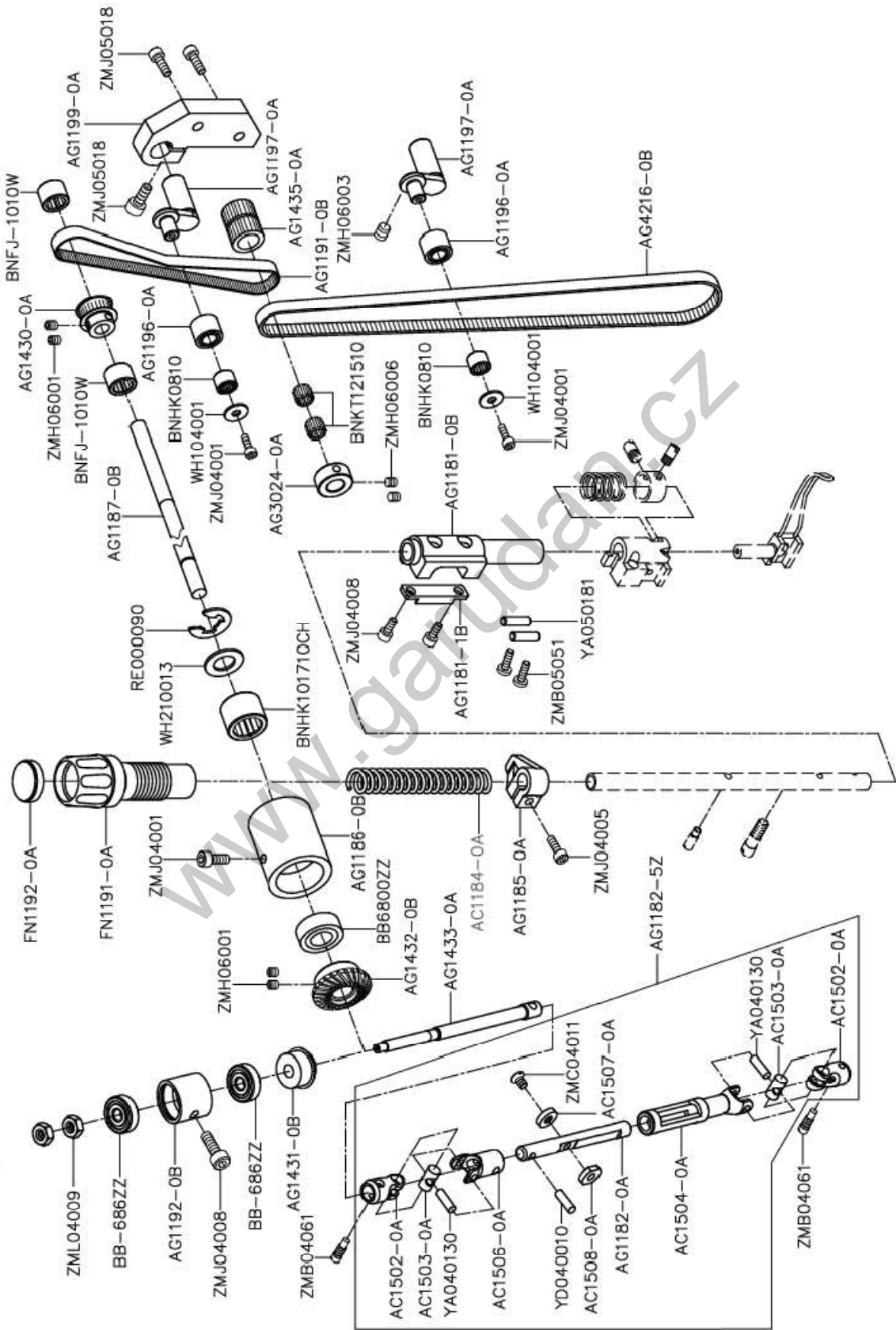


### E. PRESSER FOOT DRIVING MECHANISM (1/2)



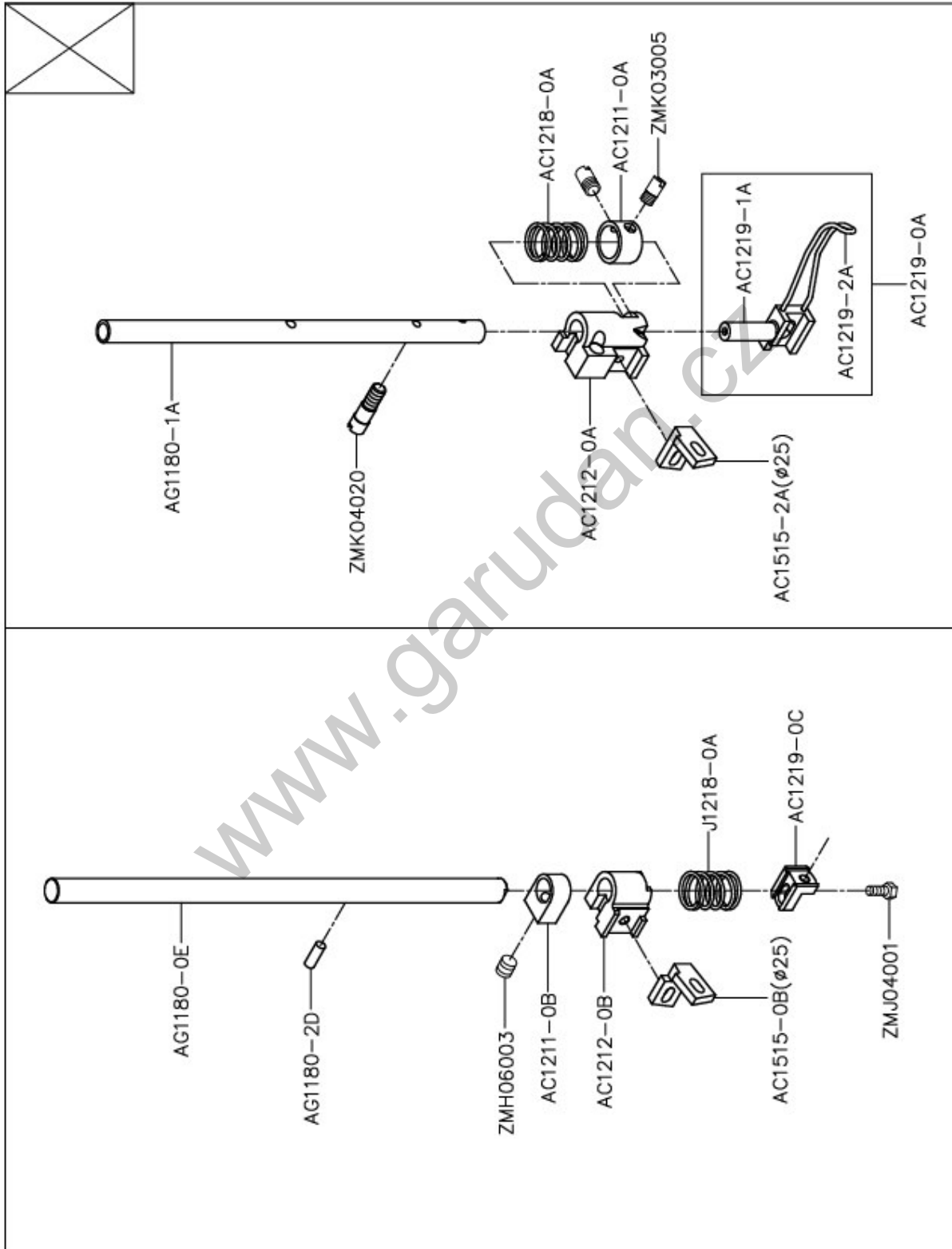
E. PRESSER FOOT DRIVING MECHANISM (1/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	AC1184-0A	Spring		1	1	
2	AC1502-0A	Universal Joint		2	2	
3	AC1503-0A	Cross Pin		2	2	
4	AC1504-0A	Extending Rod (Outer)		1	1	
5	AC1506-0A	Extending Rod Connector		1	1	
6	AC1507-0A	Clamping Plate (Upper)		1	1	
7	AC1508-0A	Clamping Plate (Lower)		1	1	
8	AG1181-0B	Presser Bar Bushing		1	1	
9	AG1181-1B	Plate		1	1	
10	AG1182-0A	Extending Rod (Inner)		1	1	
11	AG1182-5Z	Roller Presser Rod Asm.		1	1	
12	AG1185-0A	Presser Bar Clamp		1	1	
13	AG1186-0B	Bearing Housing		1	1	
14	AG1187-0B	Feed Shaft		1	1	
15	AG1191-0B	Strap		1	1	
16	AG1192-0B	Bearing Housing		1	1	
17	AG1196-0A	Ring		2	2	
18	AG1197-0A	Shaft		2	2	
19	AG1199-0A	Fix Plate		1	1	
20	AG1430-0A	Belt Pulley		1	1	
21	AG1431-0B	Helical Bevel Gear		1	1	
22	AG1432-0B	Helical Bevel Gear		1	1	
23	AG1433-0A	Shaft		1	1	
24	AG1435-0A	Belt Pulley		1	1	
25	AG3024-0A	Ring		1	1	
26	AG4216-0B	Strap		1	1	
27	BB6800ZZ	Bearing		1	1	
28	BB-686ZZ	Bearing		2	2	
29	BNFJ-1010W	Bearing		2	2	
30	BNHK0810	Bearing		2	2	
31	BNHK101710CH	Bearing		1	1	
32	BNKT121510	Bearing		2	2	
33	FN1191-0A	Adjusting Screw		1	1	
34	FN1192-0A	Cover		1	1	
35	RE000090	E-ring		1	1	
36	WH104001	Washer		2	2	
37	WH210013	Washer		1	1	
38	YA040130	Pin		2	2	
39	YA050181	Pin		2	2	

E. PRESSER FOOT DRIVING MECHANISM (2/2)



E. PRESSER FOOT DRIVING MECHANISM (2/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
40	YD040010	Spring Pin		1	1	
41	ZMB04061	Screw (M4-0.7x8.2)		2	2	
42	ZMB05051	Screw (M5-0.8x23)		2	2	
43	ZMC04011	Screw (M4-0.7x10)		1	1	
44	ZMH06001	Screw (M6-0.75x4)		4	4	
45	ZMH06003	Screw (M6-1.0x8)		1	1	
46	ZMH06006	Screw (M6-0.75x6)		2	2	
47	ZMJ04001	Screw (M4-0.7x8)		3	3	
48	ZMJ04005	Screw (M4-0.7x12)		1	1	
49	ZMJ04008	Screw (M4-0.7x6)		3	3	
50	ZMJ05018	Screw (M5-0.8x18)		3	3	
51	ZML04009	Nut		2	2	

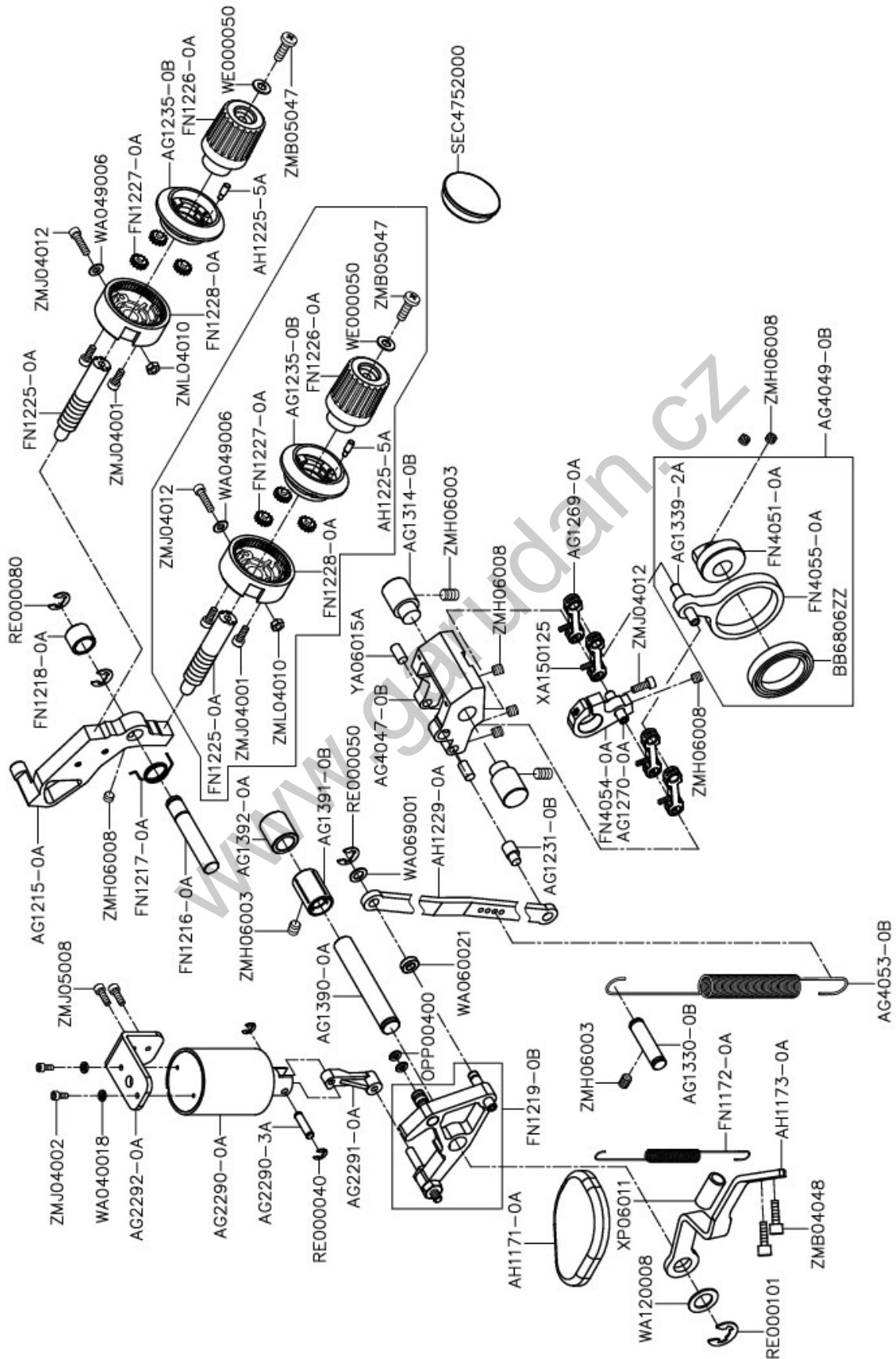
F. PRESSER FOOT PARTS





F. PRESSER FOOT PARTS						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	AC1211-0A	Ring		1	1	
2	AC1211-0B	Positioned		1	1	
3	AC1212-0A	Top Roller Holder		1	1	
4	AC1212-0B	Top Roller Holder		1	1	
5	AC1218-0A	Compression Spring		1	1	
6	AC1219-0A	Finger Guard Asm.		1	1	
7	AC1219-0C	Presser Foot Seat		1	1	
8	AC1219-1A	Finger Guard Support		1	1	
9	AC1219-2A	Finger Guard		1	1	
10	AC1515-0B	Roller Presser Adaptor		1	1	
11	AC1515-2A	Roller Presser Adaptor		1	1	
12	AG1180-0E	Presser Bar		1	1	
13	AG1180-1A	Presser Bar		1	1	
14	AG1180-2D	Screw		1	1	
15	J1218-0A	Compression Spring		1	1	
16	ZMH06003	Screw (M6-1.0x8)		1	1	
17	ZMJ04001	Screw (M4-0.7x8)		1	1	
18	ZMK03005	Screw (M3-0.5x6)		1	1	
19	ZMK04020	Screw (M4-0.7x18)		1	1	

**G. STITCH LENGTH REGULATING MECHANISM (1/2)**

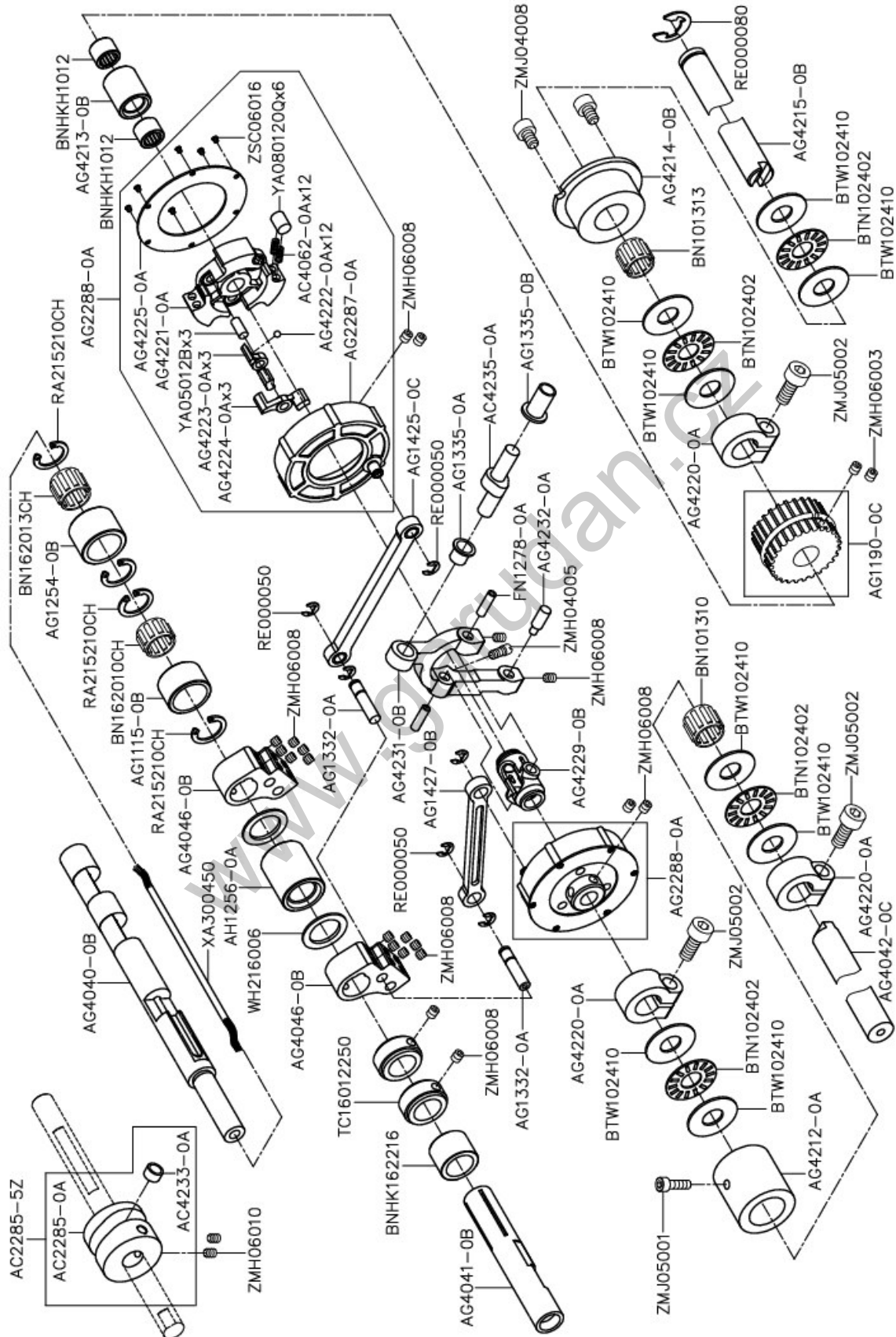


G. STITCH REGULATING MECHANISM (1/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	AG1215-0A	Feed Regulator		1	1	
2	AG1231-0B	Eccentric Pin		1	1	
3	AG1235-0B	Dial		1	1	
4	AG1269-0A	Connecting Bar		4	4	
5	AG1270-0A	Pin		1	1	
6	AG1314-0B	Shaft		2	2	
7	AG1330-0B	Pin		1	1	
8	AG1339-2A	Pin		1	1	
9	AG1390-0A	Shaft		1	1	
10	AG1391-0B	Bushing		1	1	
11	AG1392-0A	Bushing		1	1	
12	AG2290-0A	Reverse Stitching Electromagnet		1	1	
13	AG2290-3A	Pin		1	1	
14	AG2291-0A	Connecting Bar		1	1	
15	AG2292-0A	Support		1	1	
16	AG4047-0B	Reverse Stitch Driving		1	1	
17	AG4049-0B	Feed Eccentric Asm.		1	1	
18	AG4053-0B	Spring		1	1	
19	AH1171-0A	Reverse Stitching		1	1	
20	AH1173-0A	Reverse Stitching Connecting Rod		1	1	
21	AH1225-5A	Pin		1	1	
22	AH1229-0A	Connecting Bar		1	1	
23	BB6806ZZ	Bearing		1	1	
24	FN1172-0A	Tension Spring		1	1	
25	FN1216-0A	Spindle		1	1	
26	FN1217-0A	Spring		1	1	
27	FN1218-0A	Bushing		1	1	
28	FN1219-0B	Regulating Arm Asm.		1	1	
29	FN1225-0A	Feed Driving Adjust Screw		1	1	
30	FN1226-0A	Knob		1	1	
31	FN1227-0A	Little Gear		3	3	
32	FN1228-0A	Inside Gear		1	1	
33	FN4051-0A	Deflection Center		1	1	
34	FN4054-0A	Connecting Rod		1	1	
35	FN4055-0A	Crank		1	1	
36	OPP00400	O-ring		2	2	
37	RE000040	E-ring		2	2	
38	RE000050	E-ring		1	1	
39	RE000080	E-ring		2	2	



G. STITCH REGULATING MECHANISM (2/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
40	RE000101	E-ring		1	1	
41	SEC4752000	Plug		1	1	
42	WA040018	Washer		2	2	
43	WA049006	Washer		1	1	
44	WA060021	Washer		1	1	
45	WA069001	Washer		1	1	
46	WA120008	Washer		1	1	
47	WE000050	Washer		1	1	
48	XA150125	Oil Wick		4	4	
49	XP06011	Oil Pipe		1	1	
50	YA06015A	Pin		2	2	
51	ZMB04048	Screw (M4-0.7x9.5)		2	2	
52	ZMB05047	Screw (M5-0.8x16)		1	1	
53	ZMH06003	Screw (M6-1.0x8)		4	4	
54	ZMH06008	Screw(M6-1.0x6)		7	7	
55	ZMJ04001	Screw (M4-0.7x8)		1	1	
56	ZMJ04002	Screw (M4-0.7x10)		2	2	
57	ZMJ04012	Screw (M4-0.7x16)		2	2	
58	ZMJ05008	Screw (M5-0.8x10)		2	2	
59	ZML04010	Nut		1	1	

## H. FEED CLUTCH MECHANISM (1/2)





H. FEED CLUTCH MECHANISM (1/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	AC2285-0A	Cam		1	1	
2	AC2285-5Z	Cam Asm.		1	1	
3	AC4062-0A	Spring		24	24	
4	AC4233-0A	Roller		1	1	
5	AC4235-0A	Crank Shaft		1	1	
6	AG1115-0B	Bushing		1	1	
7	AG1190-0C	Gear Belt Pulley		1	1	
8	AG1254-0B	Bushing		1	1	
9	AG1332-0A	Pin		2	2	
10	AG1335-0A	Bushing		1	1	
11	AG1355-0B	Bushing		1	1	
12	AG1425-0C	Connecting Bar		1	1	
13	AG1427-0B	Connecting Bar		1	1	
14	AG2287-0A	Drive Wrist		2	2	
15	AG2288-0A	Clutch Asm.		2	2	
16	AG4040-0B	Feed Shaft (A)		1	1	
17	AG4041-0B	Feed Shaft		1	1	
18	AG4042-0C	Shaft		1	1	
19	AG4046-0B	Drive Arm		2	2	
20	AG4212-0A	Bearing Housing		1	1	
21	AG4213-0B	Bushing		1	1	
22	AG4214-0B	Bushing		1	1	
23	AG4215-0B	Shaft		1	1	
24	AG4220-0A	Collar		3	3	
25	AG4221-0A	Rotor		2	2	
26	AG4222-0A	Ball		24	24	
27	AG4223-0A	Claw (Right)		6	6	
28	AG4224-0A	Claw (Left)		6	6	
29	AG4225-0A	Washer		2	2	
30	AG4229-0B	Ring		1	1	
31	AG4231-0B	Swing Arm		1	1	
32	AG4232-0A	Pin		1	1	
33	AH1256-0A	Bushing		1	1	
34	BN101310	Bearing		1	1	
35	BN101313	Bearing		1	1	
36	BN162010CH	Bearing		1	1	
37	BN162013CH	Bearing		1	1	
38	BNHK162216	Bearing		1	1	
39	BNHKH1012	Bearing		2	2	

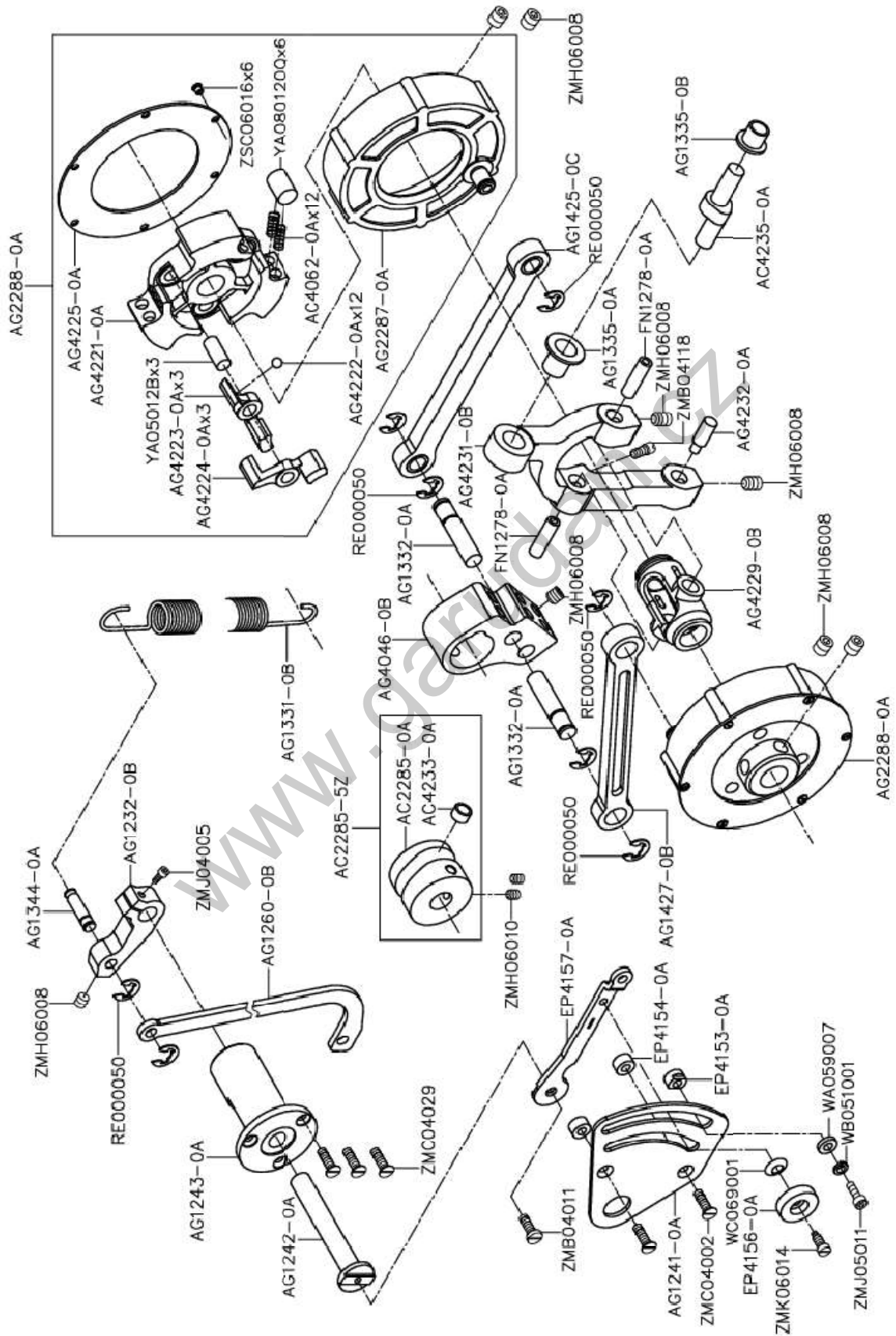


H. FEED CLUTCH MECHANISM (2/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
40	BTN102402	Bearing		4	4	
41	BTW102410	Washer		8	8	
42	FN1278-0A	Pin		2	2	
43	RA215210CH	C-ring		4	4	
44	RE000050	E-ring		6	6	
45	RE000080	E-ring		1	1	
46	TC16012250	Collar		2	2	
47	WH216006	Washer		2	2	
48	XA300450	Oil Wick		1	1	
49	YA05012B	Pin		6	6	
50	YA080120Q	Pin		12	12	
51	ZMH04005	Screw (M4-0.7x6)		1	1	
52	ZMH06003	Screw (M6-1.0x8)		2	2	
53	ZMH06008	Screw (M6-1.0x6)		20	20	
54	ZMH06010	Screw (M6-1.0x10)		2	2	
55	ZMJ04008	Screw (M4-0.7x6)		2	2	
56	ZMJ05001	Screw (M5-0.8x14)		1	1	
57	ZMJ05002	Screw(M5-0.8x12)		3	3	
58	ZSC06016	Screw (3/32-56x2.8)		12	12	



I. DIFFERENTIAL CLUTCH MECHANISM (1/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	AC2285-0A	Cam		1	1	
2	AC2285-5Z	Cam Asm.		1	1	
3	AC4062-0A	Spring		24	24	
4	AC4233-0A	Roller		1	1	
5	AC4235-0A	Crank Shaft		1	1	
6	AG1232-0B	Crank		1	1	
7	AG1241-0A	Adjusting Dial		1	1	
8	AG1242-0A	Pin		1	1	
9	AG1243-0A	Bushing		1	1	
10	AG1260-0B	Connecting bar		1	1	
11	AG1331-0B	Spring		1	1	
12	AG1332-0A	Pin		2	2	
13	AG1335-0A	Bushing		1	1	
14	AG1335-0B	Bushing		1	1	
15	AG1344-0A	Pin		1	1	
16	AG1425-0C	Connecting Bar		1	1	
17	AG1427-0B	Connecting Bar		1	1	
18	AG2287-0A	Drive Wrist		2	2	
19	AG2288-0A	Clutch Asm.		2	2	
20	AG4046-0B	Drive Arm		1	1	
21	AG4221-0A	Rotor		2	2	
22	AG4222-0A	Ball		24	24	
23	AG4223-0A	Claw (Right)		6	6	
24	AG4224-0A	Claw (Left)		6	6	
25	AG4225-0A	Washer		2	2	
26	AG4229-0B	Ring		1	1	
27	AG4231-0B	Swing Arm		1	1	
28	AG4232-0A	Pin		1	1	
29	EP4153-0A	Nut		1	1	
30	EP4154-0A	Spacer		2	2	
31	EP4156-0A	Nut		1	1	
32	EP4157-0A	Differential Feed Control Lever		1	1	
33	FN1278-0A	Pin		2	2	
34	RE000050	E-ring		8	8	
35	WA059007	Washer		1	1	
36	WB051001	Washer		1	1	
37	WC069001	Washer		1	1	
38	YA05012B	Pin		6	6	
39	YA080120Q	Pin		12	12	

I. DIFFERENTIAL CLUTCH MECHANISM (2/2)

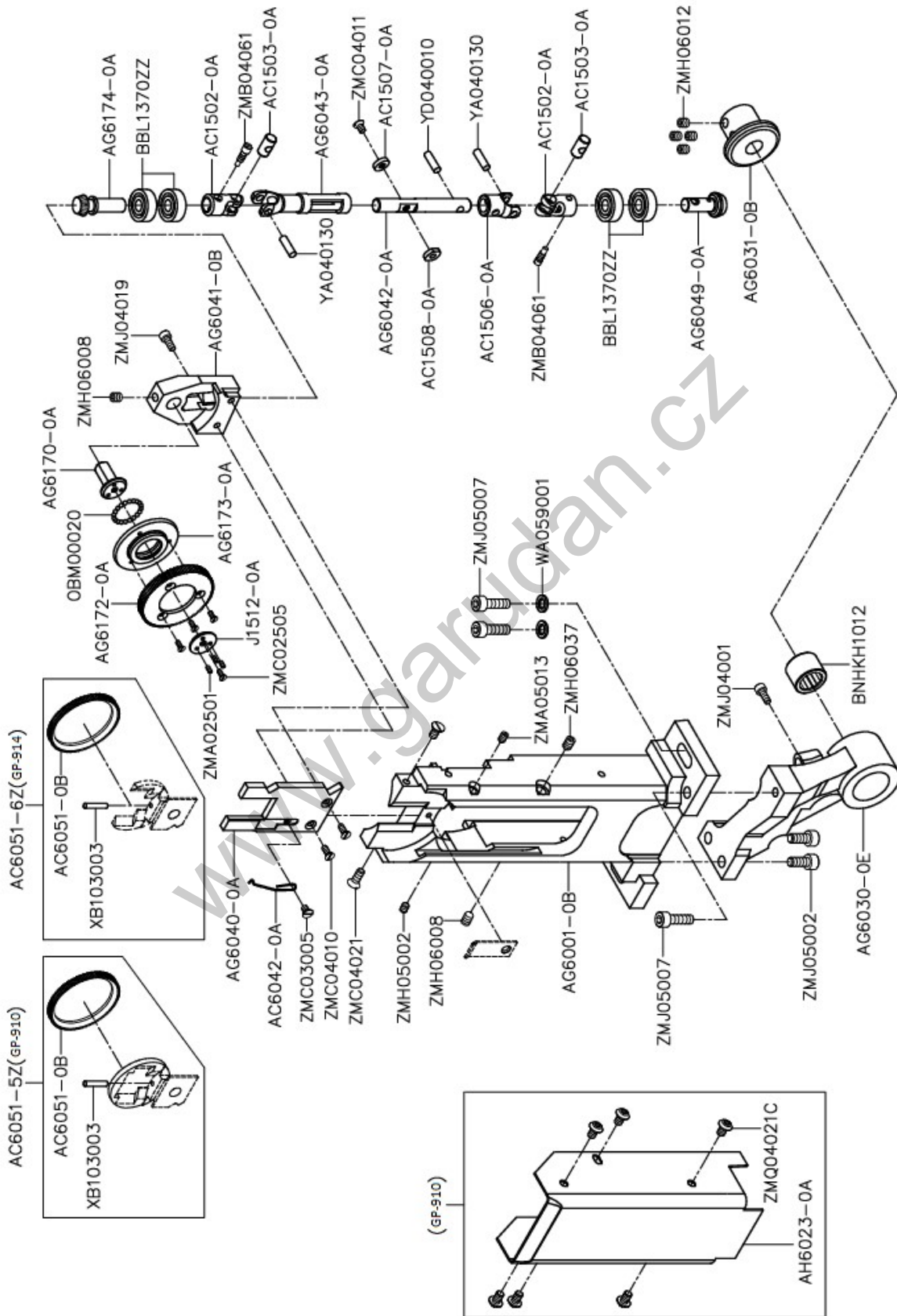




I. DIFFERENTIAL CLUTCH MECHANISM (2/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
40	ZMB04011	Screw (M4-0.7x8)		1	1	
41	ZMB04118	Screw (M4-0.7x8)		1	1	
42	ZMC04002	Screw(M4-0.7x12)		2	2	
43	ZMC04029	Screw (M4-0.7x8)		3	3	
44	ZMH06008	Screw(M6-1.0x6)		8	8	
45	ZMH06010	Screw(M6-1.0x10)		2	2	
46	ZMJ04005	Screw (M4-0.7x12)		1	1	
47	ZMJ05011	Screw (M5-0.8x8)		1	1	
48	ZMK06014	Screw (M6-1.0x6.5)		1	1	
49	ZSC06016	Screw (M6-1.0x2.8)		12	12	

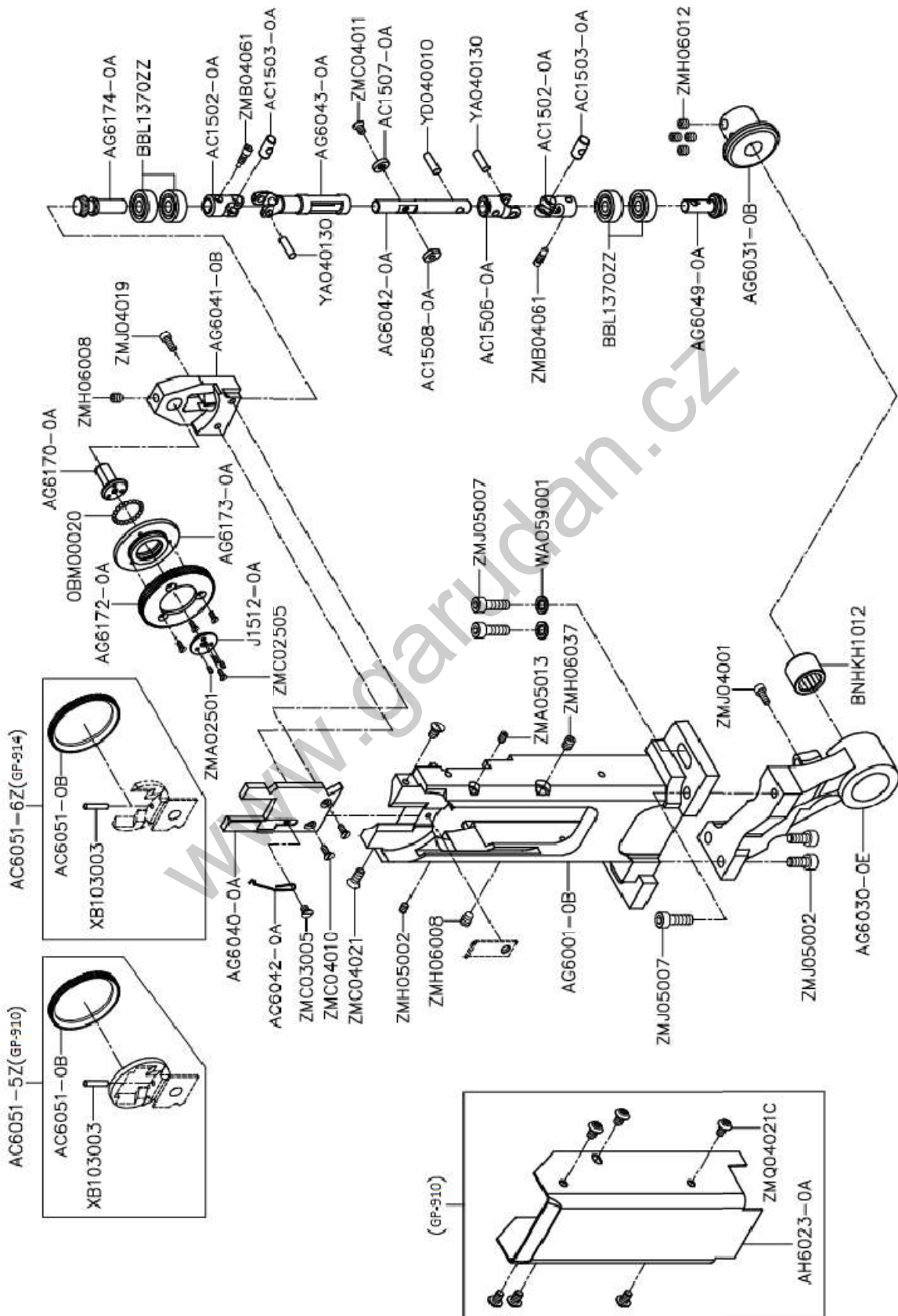
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### J. LOWE FEED MECHANISM (1/2)



J. LOWE FEED MECHANISM (1/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	AC1502-0A	Universal Joint		2	2	
2	AC1503-0A	Cross Pin		2	2	
3	AC1506-0A	Extending Rod Connector		1	1	
4	AC1507-0A	Clamping Plate (Upper)		1	1	
5	AC1508-0A	Clamping Plate (Lower)		1	1	
6	AC6042-0A	Feed Wheel Detaining Spring		1	1	
7	AC6051-0B	Feeding Wheel		1	1	
8	AC6051-5Z	Feeding Wheel Asm.		1	0	
9	AC6051-6Z	Feeding Wheel Asm		0	1	
10	AG6001-0B	Middle Support		1	1	
11	AG6030-0E	Lower Gear Support		1	1	
12	AG6031-0B	Gear		1	1	
13	AG6040-0A	Feeding Wheel Support Guide		1	1	
14	AG6041-0B	Upper Gear Support		1	1	
15	AG6042-0A	Extending Rod (Inner)		1	1	
16	AG6043-0A	Extending Rod (Outer)		1	1	
17	AG6049-0A	Gear		1	1	
18	AG6170-0A	Gear Shaft		1	1	
19	AG6172-0A	Drive Gear		1	1	
20	AG6173-0A	Feed Gear (Upper)		1	1	
21	AG6174-0A	Gear		1	1	
22	AH6023-0A	Cover		1	0	
23	BBL1370ZZ	Bearing		4	4	
24	BNHKKH1012	Bearing		1	1	
25	J1512-0A	Presser Shaft Seat (Front)		1	1	
26	OBM00020	Ball		20	20	
27	WA059001	Washer		2	2	
28	XB103003	Felt		1	1	
29	YA040130	Pin		2	2	
30	YD040010	Spring Pin		1	1	
31	ZMA02501	Screw (M2.5-0.45x2)		3	3	
32	ZMA05013	Screw (M5-0.8x8.2)		1	1	
33	ZMB04061	Screw(M4-0.7x8.2)		2	2	
34	ZMC02505	Screw (M2.5-0.45x4.8)		4	4	
35	ZMC03005	Screw (M3-0.5x5)		1	1	
36	ZMC04010	Screw(M4-0.7x7.5)		2	2	
37	ZMC04011	Screw (M4-0.7x10)		1	1	
38	ZMC04021	Screw (M4-0.7x10.5)		2	2	
39	ZMH05002	Screw (M5-0.8x6)		1	1	

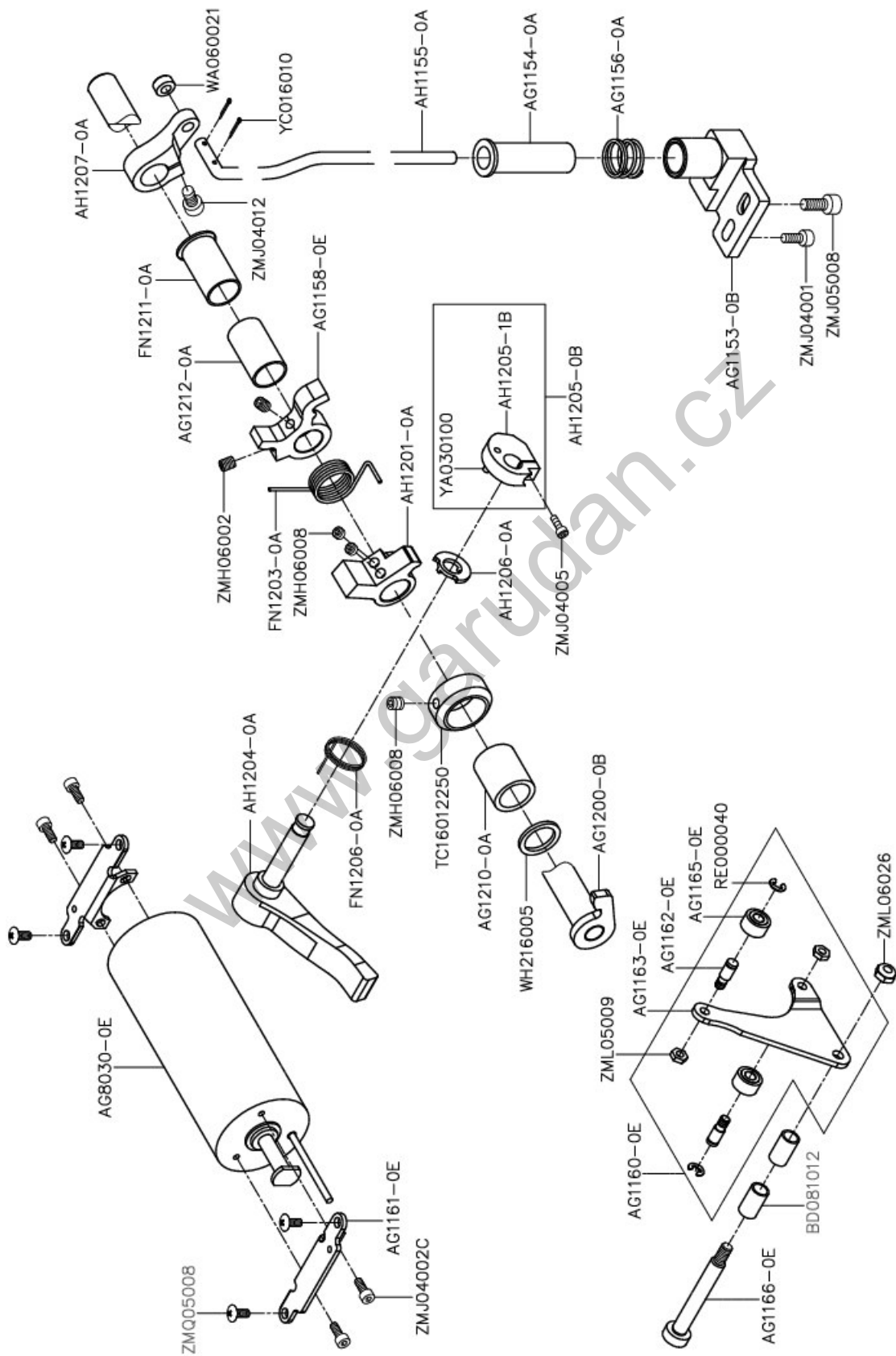
### J. LOWE FEED MECHANISM (2/2)



J. LOWE FEED MECHANISM (2/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
41	ZMH06008	Screw (M6-1.0x6)		2	2	
42	ZMH06012	Screw (M6-1.0x5)		4	4	
43	ZMH06037	Screw (M6-1.0x10)		1	1	
44	ZMJ04001	Screw(M4-0.7x8)		1	1	
45	ZMJ04019	Screw(M4-0.7x8)		1	1	
46	ZMJ05002	Screw (M5-0.8x12)		2	2	
47	ZMJ05007	Screw (M5-0.8x16)		3	3	
48	ZMQ04021C	Screw (M4-0.7x6)		6	6	

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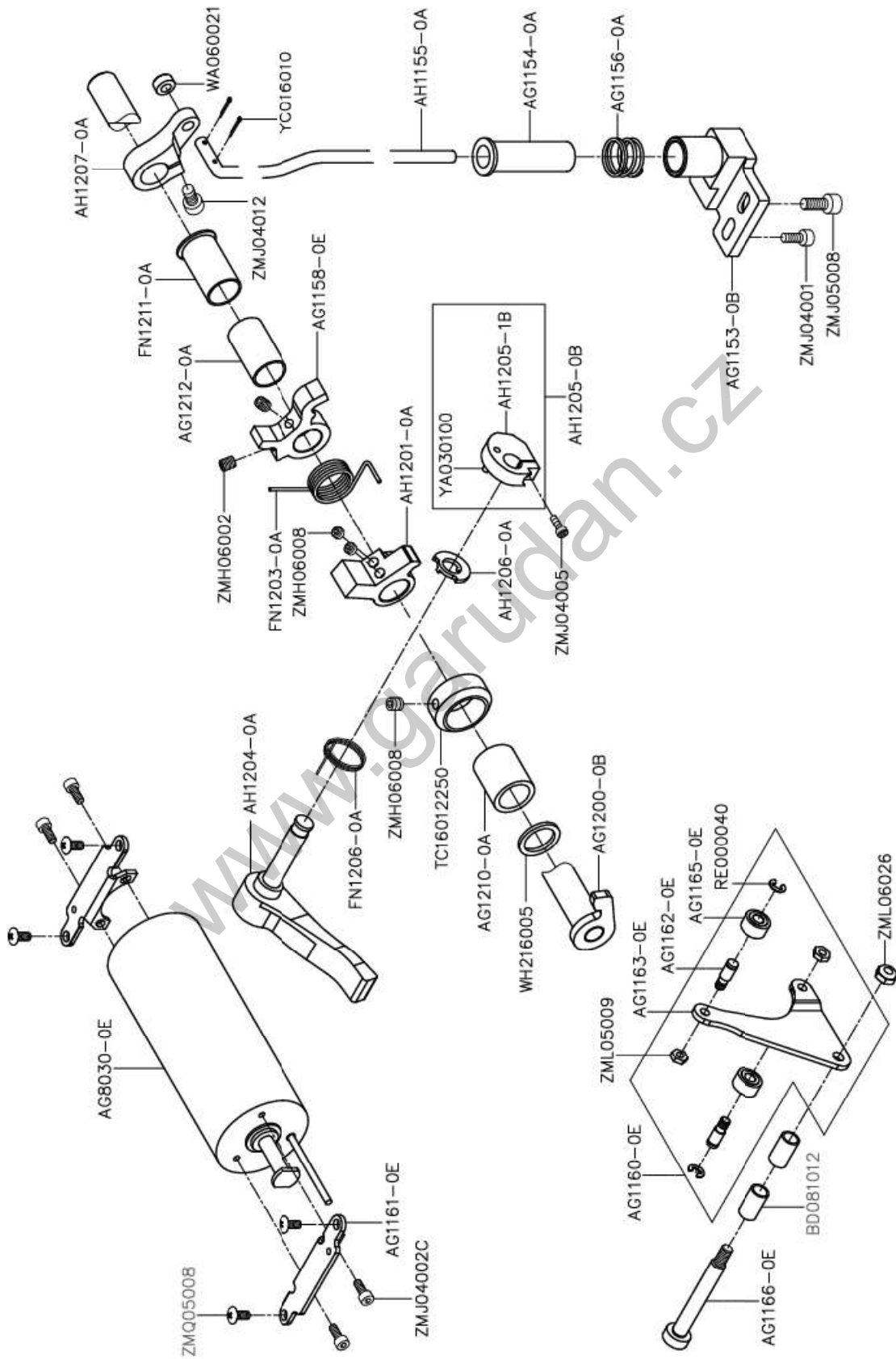
### K. PRESSER FOOT LIFT MECHANISM (1/2)





K. PRESSER LOOT LIFT MECHANISM (1/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	AG1153-0B	Bracket		1	1	
2	AG1154-0A	Bushing		1	1	
3	AG1156-0A	Spring		1	1	
4	AG1158-0E	Connecting Base		1	1	
5	AG1160-0E	Swing Arm Asm.		1	1	
6	AG1161-0E	Support		2	2	
7	AG1162-0E	Screw		1	1	
8	AG1163-0E	Swing Arm		1	1	
9	AG1165-0E	Bushing		1	1	
10	AG1166-0E	Screw		1	1	
11	AG1200-0B	Hand Lifter Lever		1	1	
12	AG1210-0A	Bushing		1	1	
13	AG1212-0A	Bushing		1	1	
14	AG8030-0E	Presser Foot Electromagnet		1	1	
15	AH1155-0A	Presser Foot Lever		1	1	
16	AH1201-0A	Presser Guide Block		1	1	
17	AH1204-0A	Presser Lifter Lever		1	1	
18	AH1205-0B	Presser Lifter Cam Asm.		1	1	
19	AH1205-1B	Presser Lifter Cam		1	1	
20	AH1206-0A	Spring		1	1	
21	AH1207-0A	Presser Guide Crank		1	1	
22	BD081012	Bearing		2	2	
23	FN1203-0A	Spring		1	1	
24	FN1206-0A	Spring		1	1	
25	FN1211-0A	Bushing		1	1	
26	RE000040	E-ring		1	1	
27	TC16012250	Collar		1	1	
28	WA060021	Washer		1	1	
29	WH216005	Washer		1	1	
30	YA030100	Pin		1	1	
31	YC016010	Pin		2	2	
32	ZMH06002	Screw (M6-0.75x7.5)		2	2	
33	ZMH06008	Screw (M6-1.0x6)		3	3	
34	ZMJ04001	Screw (M4-0.7x8)		1	1	
35	ZMJ04002C	Screw(M4-0.7x10)		4	4	
36	ZMJ04005	Screw(M4-0.7x12)		1	1	
37	ZMJ04012	Screw (M4-0.7x16)		1	1	
38	ZMJ05008	Screw (M5-0.8x10)		1	1	
39	ZML05009	Nut		2	2	

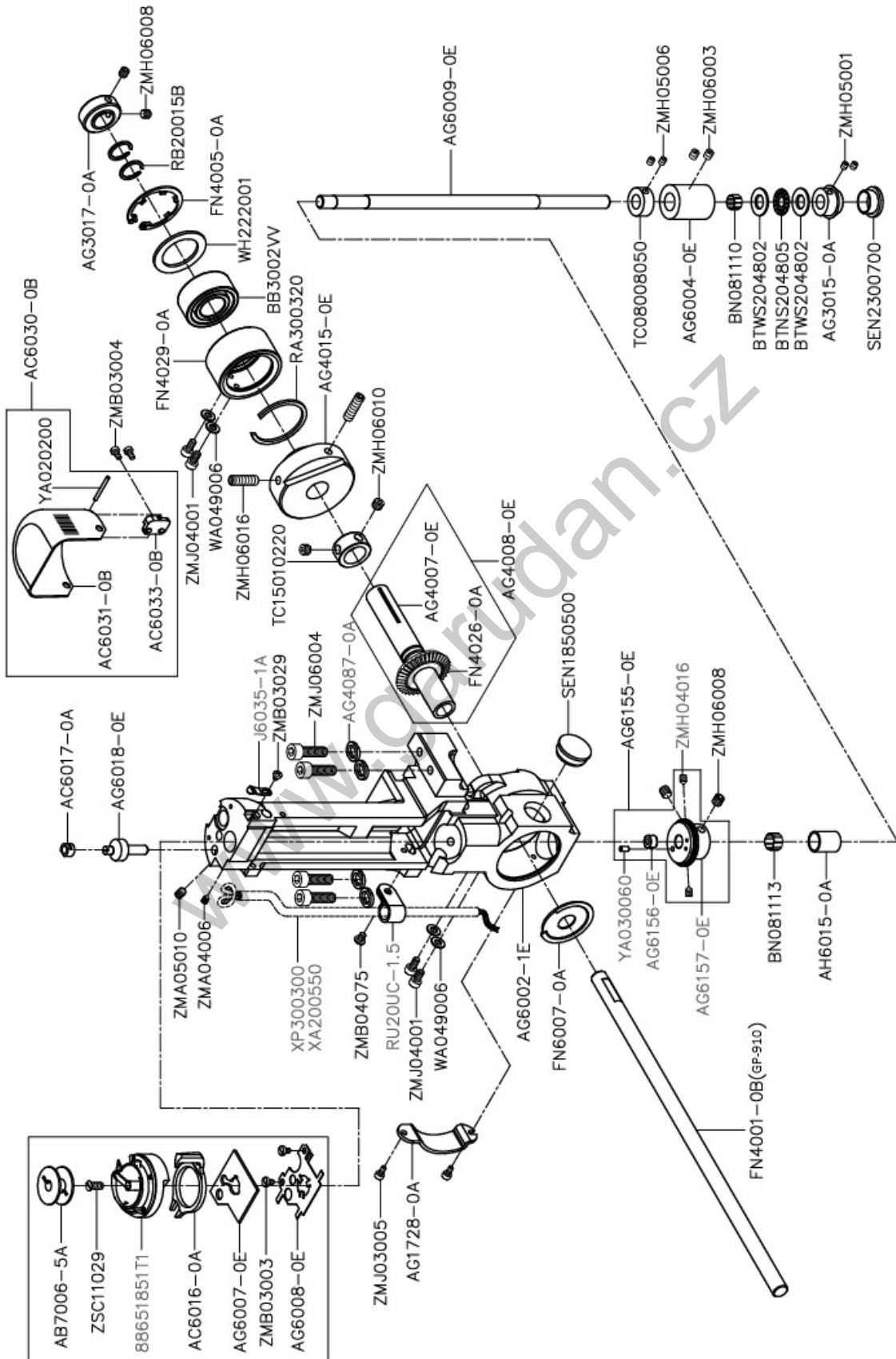
### K. PRESSER FOOT LIFT MECHANISM (2/2)



K. PRESSER LOOT LIFT MECHANISM (2/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
40	ZML06026	Nut		1	1	
41	ZMQ05008	Screw (M5-0.8x12)		4	4	

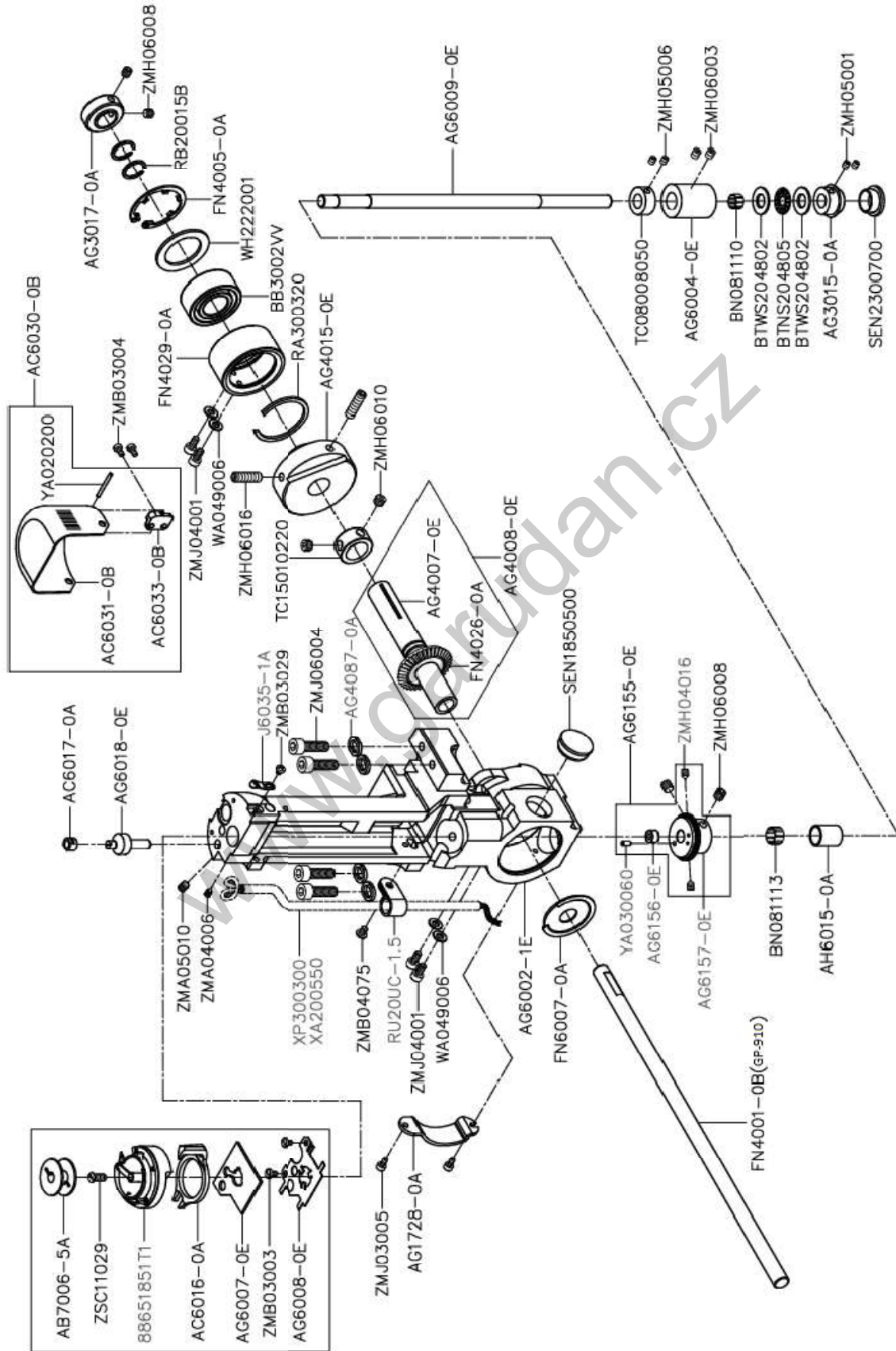
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### L. HOOK HOLDER MECHANISM (RIGHT, LARGE HOOK) (1/2)



L. LOOK HOLDER MECHANISM (RIGHT, LARGE HOOK) (1/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	88651851T1	Rotary Hook		1	1	
2	AB7006-5A	Bobbin		1	1	
3	AC6016-0A	Hook Opener		1	1	
4	AC6017-0A	Hook Opener Guiding Block		1	1	
5	AC6030-0B	Hook Cover Asm.		1	1	
6	AC6031-0B	Hook Cover		1	1	
7	AC6033-0B	Hook Cover Hinge		1	1	
8	AG1728-0A	Plate		1	1	
9	AG3015-0A	Helical Bevel Gear (Small)		1	1	
10	AG3017-0A	Ring		1	1	
11	AG4007-0E	Shaft		1	1	
12	AG4008-0E	Helical Bevel Gear (Large)		1	1	
13	AG4015-0E	Thread Trimming Cam		1	1	
14	AG4087-0A	Washer		4	4	
15	AG6002-1E	Hook Post		1	1	
16	AG6004-0E	Bushing		1	1	
17	AG6007-0E	Felt		1	1	
18	AG6008-0E	Fixed Plate		1	1	
19	AG6009-0E	Hook Driving Shaft		1	1	
20	AG6018-0E	Hook Opener Adjusting Post		1	1	
21	AG6155-0E	Hook Opener Eccentric Asm.		1	1	
22	AG6156-0E	Collar		1	1	
23	AG6157-0E	Connecting Base		1	1	
24	AH6015-0A	Bushing		1	1	
25	BB3002VV	Bearing		1	1	
26	BN081110	Bearing		1	1	
27	BN081113	Bearing		1	1	
28	BTNS204805	Bearing		1	1	
29	BTWS204802	Washer		2	2	
30	FN4001-0B	Shaft		1	0	
31	FN4005-0A	Retaining Ring		1	1	
32	FN4026-0A	Gear (big)		1	1	
33	FN4029-0A	Feed Platform Spindle		1	1	
34	FN6007-0A	Lid (right)		1	1	
35	J6035-1A	Spring		1	1	
36	RA300320	C-ring		1	1	
37	RB20015B	C-ring		2	2	
38	RU20UC-1.5	Wiring Harness		1	1	
39	SEN1850500	Plug		1	1	

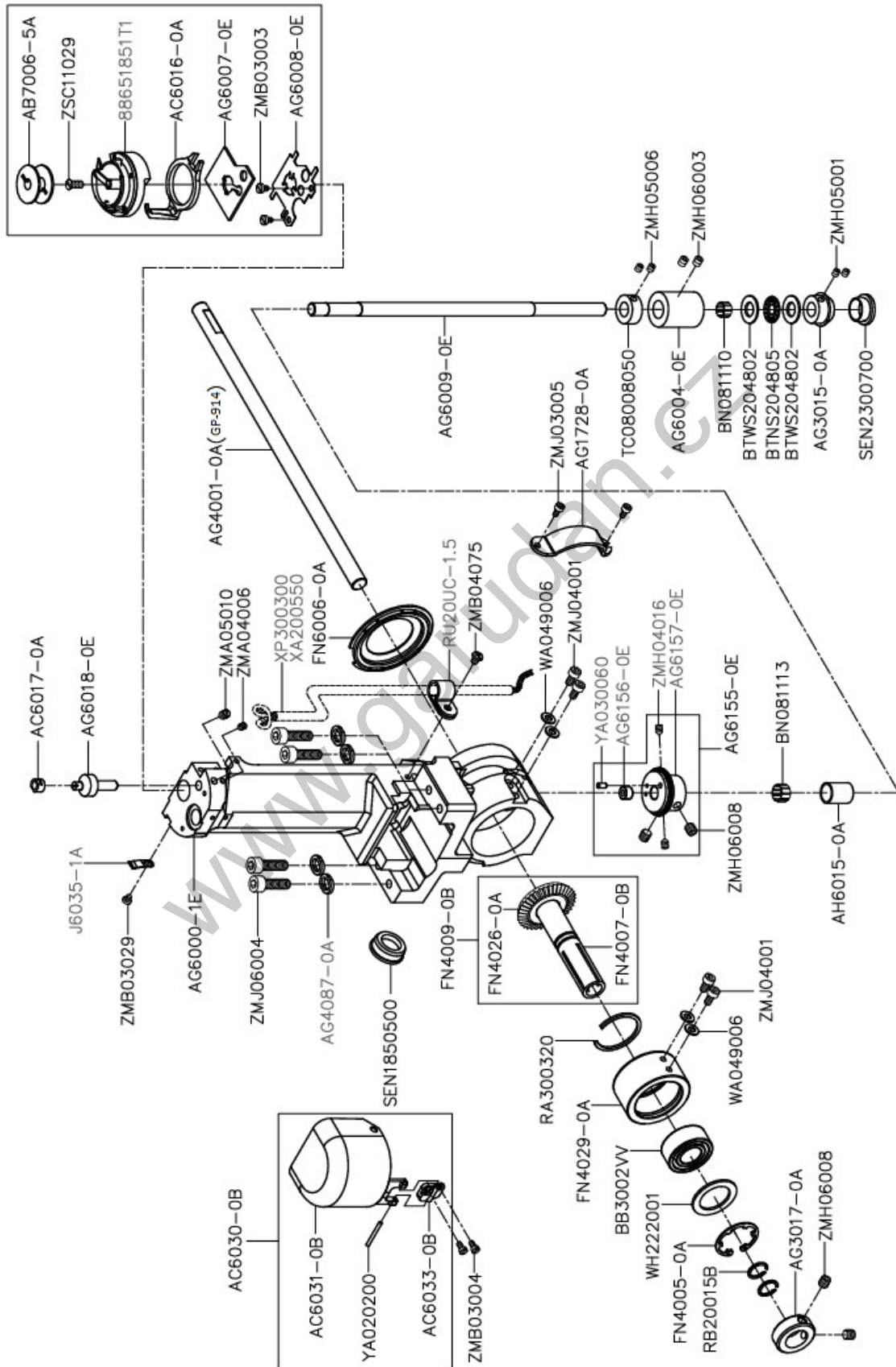
### L. HOOK HOLDER MECHANISM (RIGHT, LARGE HOOK) (2/2)



L. LOOK HOLDER MECHANISM (RIGHT, LARGE HOOK) (2/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
40	SEN2300700	Plug		1	1	
41	TC08008050	Collar		1	1	
42	TC15010220	Collar		1	1	
43	WA049006	Washer		4	4	
44	WH222001	Washer		1	1	
45	XA200550	Oil Wick		1	1	
46	XP300300	Oil Pipe		1	1	
47	YA020200	Pin		1	1	
48	YA030060	Pin		1	1	
49	ZMA04006	Screw (M4-0.7x6)		1	1	
50	ZMA05010	Screw (M5-0.8x6)		1	1	
51	ZMB03003	Screw (M3-0.5x4.7)		2	2	
52	ZMB03004	Screw (M3-0.5x5.7)		2	2	
53	ZMB03029	Screw (M3-0.5x3)		1	1	
54	ZMB04075	Screw (M4-0.7x5)		1	1	
55	ZMH04016	Screw (M4-0.7x6)		2	2	
56	ZMH05001	Screw (M5-0.8x5)		2	2	
57	ZMH05006	Screw (M5-0.8x4)		2	2	
58	ZMH06003	Screw (M6-1.0x8)		2	2	
59	ZMH06008	Screw (M6-1.0x6)		4	4	
60	ZMH06010	Screw (M6-1.0x10)		2	2	
61	ZMH06016	Screw (M6-1.0x20)		2	2	
62	ZMJ03005	Screw (M3-0.5x6)		2	2	
63	ZMJ04001	Screw (M4-0.7x8)		4	4	
64	ZMJ06004	Screw (M6-1.0x20)		4	4	
65	ZSC11029	Screw (11-64-32x10)		1	1	

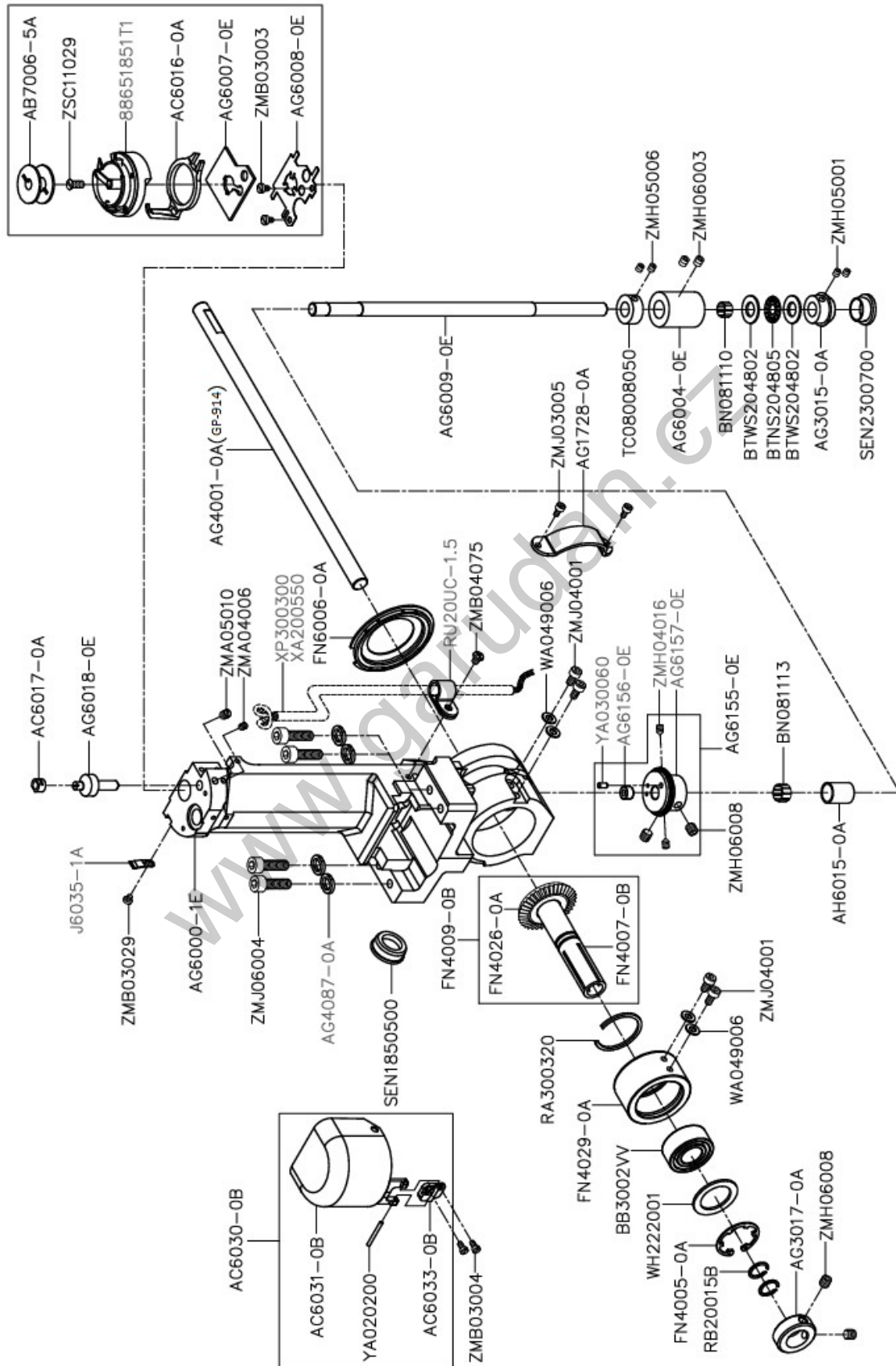


### L. HOOK HOLDER MECHANISM (FELT, LARGE HOOK) (1/2)



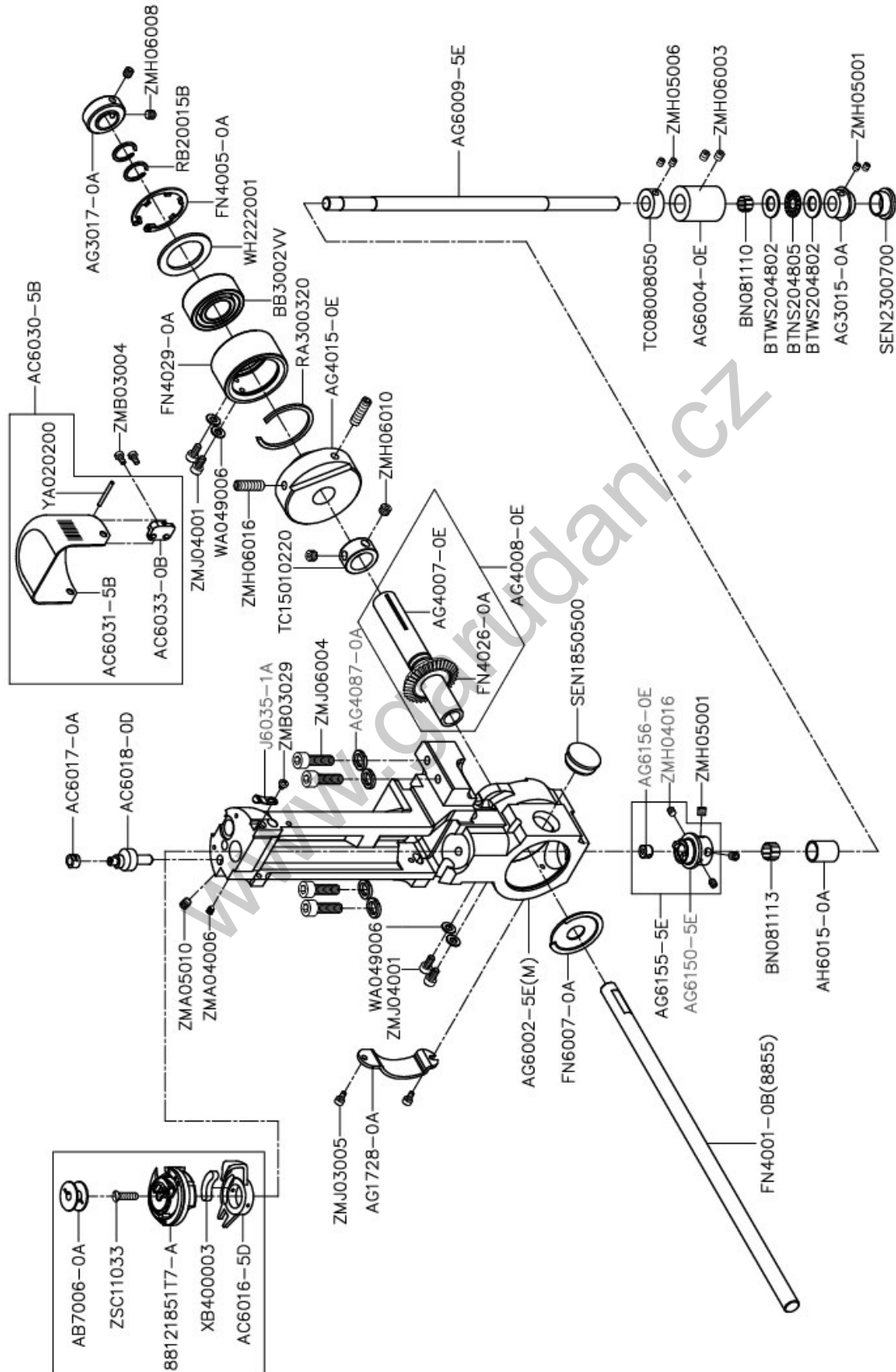
L. LOOK HOLDER MECHANISM (FELT, LARGE HOOK) (1/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	88651851T1	Rotary Hook		0	1	
2	AB7006-5A	Bobbin		0	1	
3	AC6016-0A	Hook Opener		0	1	
4	AC6017-0A	Hook Opener Guiding Block		0	1	
5	AC6030-0B	Hook Cover Asm.		0	1	
6	AC6031-0B	Hook Cover		0	1	
7	AC6033-0B	Hook Cover Hinge		0	1	
8	AG1728-0A	Plate		0	1	
9	AG3015-0A	Helical Bevel Gear (Small)		0	1	
10	AG3017-0A	Ring		0	1	
11	AG4001-0A	Shaft		0	1	
12	AG4087-0A	Washer		0	4	
13	AG6000-1E	Hook Post		0	1	
14	AG6004-0E	Bushing		0	1	
15	AG6007-0E	Felt		0	1	
16	AG6008-0E	Fixed Plate		0	1	
17	AG6009-0E	Hook Driving Shaft		0	1	
18	AG6018-0E	Hook Opener Adjusting Post		0	1	
19	AG6155-0E	Hook Opener Eccentric Asm.		0	1	
20	AG6156-0E	Collar		0	1	
21	AG6157-0E	Connecting Base		0	1	
22	AH6015-0A	Bushing		0	1	
23	BB3002VV	Bearing		0	1	
24	BN081110	Bearing		0	1	
25	BN081113	Bearing		0	1	
26	BTNS204805	Bearing		0	1	
27	BTWS204802	Washer		0	2	
28	FN4005-0A	Retaining Ring		0	1	
29	FN4007-0B	Spindle		0	1	
30	FN4009-0B	Gear (big) Asm.		0	1	
31	FN4026-0A	Gear (big)		0	1	
32	FN4029-0A	Feed Platform Spindle		0	1	
33	FN6006-0A	Lid (left)		0	1	
34	J6035-1A	Spring		0	1	
35	RA300320	C-ring		0	1	
36	RB20015B	C-ring		0	2	
37	RU20UC-1.5	Wiring Harness		0	1	
38	SEN1850500	Plug		0	1	
39	SEN2300700	Plug		0	1	

### L. HOOK HOLDER MECHANISM (FELT, LARGE HOOK) (2/2)



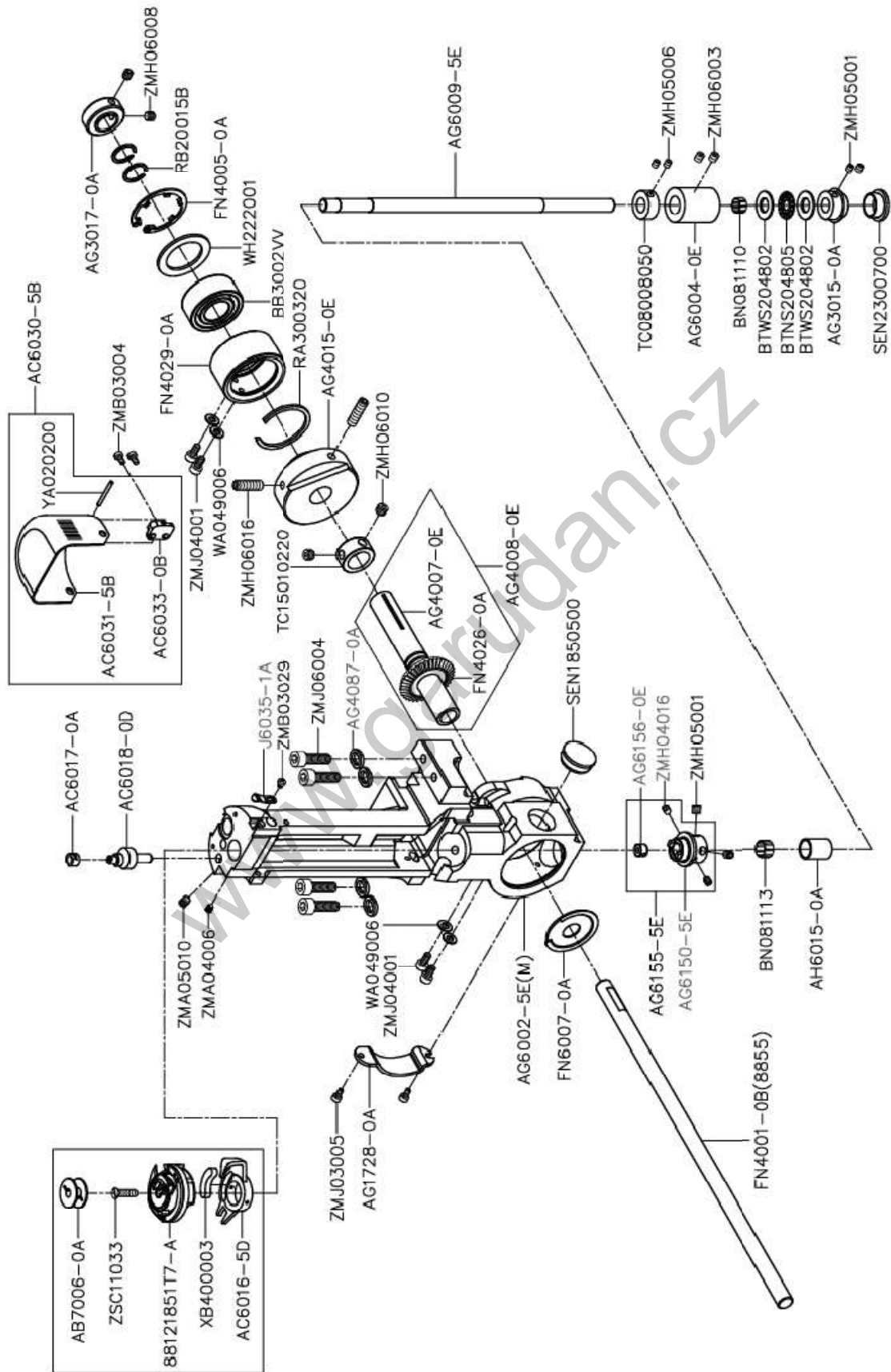
L. LOOK HOLDER MECHANISM (FELT, LARGE HOOK) (2/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
40	TC08008050	Collar		0	1	
41	WA049006	Washer		0	4	
42	WH222001	Washer		0	1	
43	XA200550	Oil Wick		1	1	
44	XP300300	Oil Pipe		1	1	
45	YA020200	Pin		0	1	
46	YA030060	Pin		0	1	
47	ZMA04006	Screw (M4-0.7x6)		0	1	
48	ZMA05010	Screw (M5-0.8x6)		0	1	
49	ZMB03003	Screw (M3-0.5x4.7)		0	2	
50	ZMB03004	Screw (M3-0.5x5.7)		0	2	
51	ZMB03029	Screw (M3-0.5x3)		0	1	
52	ZMB04075	Screw (M4-0.7x5)		0	1	
53	ZMH04016	Screw (M4-0.7x6)		0	2	
54	ZMH05001	Screw (M5-0.8x5)		0	4	
55	ZMH05006	Screw (M5-0.8x4)		0	2	
56	ZMH06003	Screw (M6-1.0x8)		0	2	
57	ZMH06008	Screw (M6-1.0x6)		0	4	
58	ZMJ03005	Screw (M3-0.5x6)		0	2	
59	ZMJ04001	Screw (M4-0.7x8)		0	4	
60	ZMJ06004	Screw (M6-1.0x20)		0	4	
61	ZSC11029	Screw (11-64-32x10)		0	1	

L. HOOK HOLDER MECHANISM (RIGHT, SMALL HOOK) (1/2)



L. LOOK HOLDER MECHANISM (RIGHT, SMALL HOOK) (1/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	88121851T7-A	Rotary Hook		1	1	
2	AB7006-0A	Bobbin		1	1	
3	AC6016-5D	Hook Opener		1	1	
4	AC6017-0A	Hook Opener Guiding Block		1	1	
5	AC6018-0D	Hook Opener Adjusting Post		1	1	
6	AC6030-5B	Hook Cover Asm.		1	1	
7	AC6031-5B	Hook Cover		1	1	
8	AC6033-0B	Hook Cover Hinge		1	1	
9	AG1728-0A	Plate		1	1	
10	AG3015-0A	Helical Bevel Gear (Small)		1	1	
11	AG3017-0A	Ring		1	1	
12	AG4007-0E	Shaft		1	1	
13	AG4008-0E	Helical Bevel Gear (Large)		1	1	
14	AG4015-0E	Thread Trimming Cam		1	1	
15	AG4087-0A	Washer		4	4	
16	AG6002-5E	Hook Post		1	1	
17	AG6004-0E	Bushing		1	1	
18	AG6009-5E	Hook Driving Shaft		1	1	
19	AG6150-5E	Connecting Base		1	1	
20	AG6155-5E	Hook Opener Eccentric Asm.		1	1	
21	AG6156-0E	Collar		1	1	
22	AH6015-0A	Bushing		1	1	
23	BB3002VV	Bearing		1	1	
24	BN081110	Bearing		1	1	
25	BN081113	Bearing		1	1	
26	BTNS204805	Bearing		1	1	
27	BTWS204802	Washer		2	2	
28	FN4001-0B	Shaft		1	0	
29	FN4005-0A	Retaining Ring		1	1	
30	FN4026-0A	Gear (big)		1	1	
31	FN4029-0A	Feed Platform Spindle		1	1	
32	FN6007-0A	Lid (right)		1	1	
33	J6035-1A	Spring		1	1	
34	RA300320	C-ring		1	1	
35	RB20015B	C-ring		2	2	
36	SEN1850500	Plug		1	1	
37	SEN2300700	Plug		1	1	
38	TC08008050	Collar		1	1	
39	TC15010220	Collar		1	1	

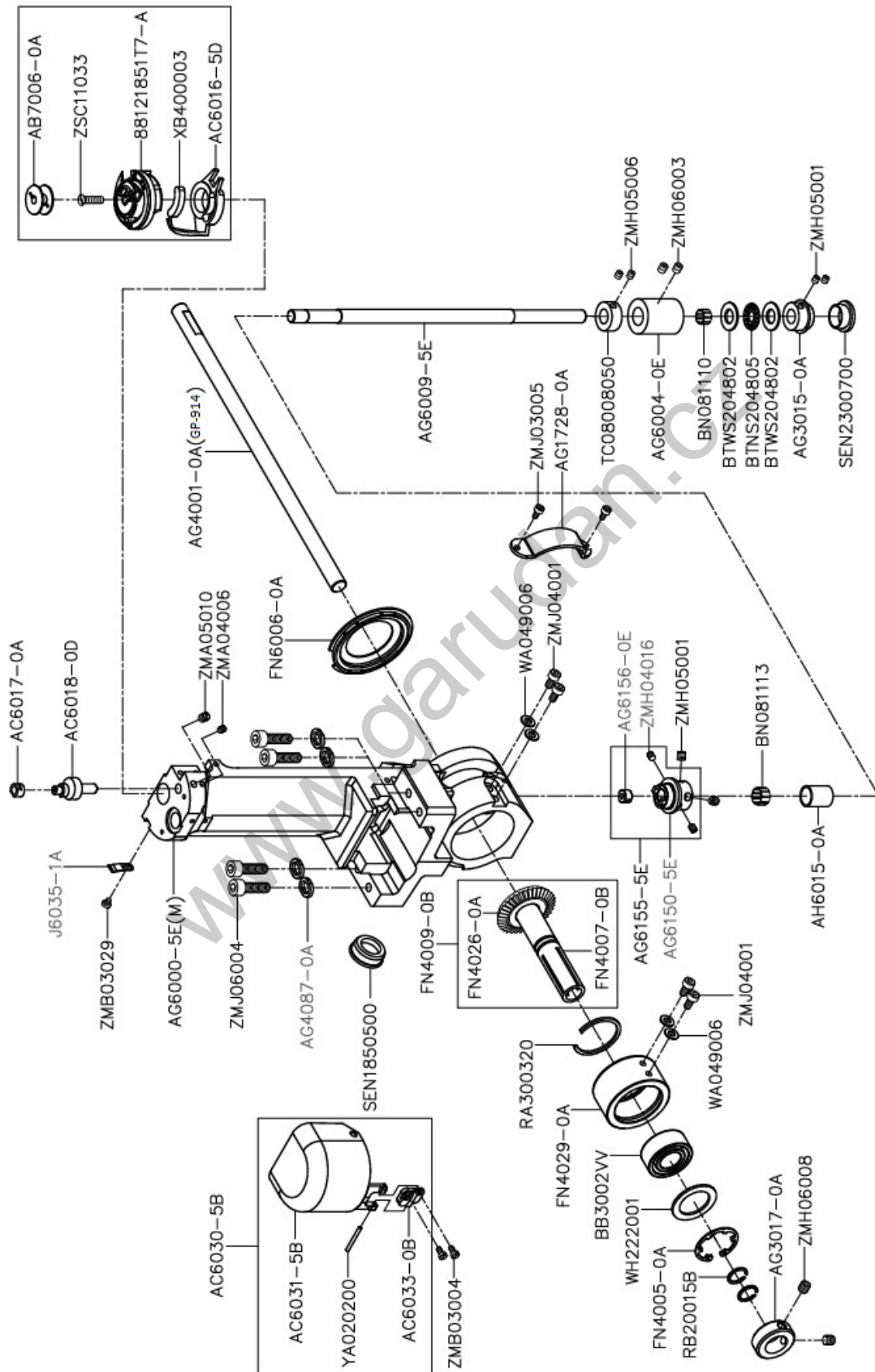
### L. HOOK HOLDER MECHANISM (RIGHT, SMALL HOOK) (2/2)





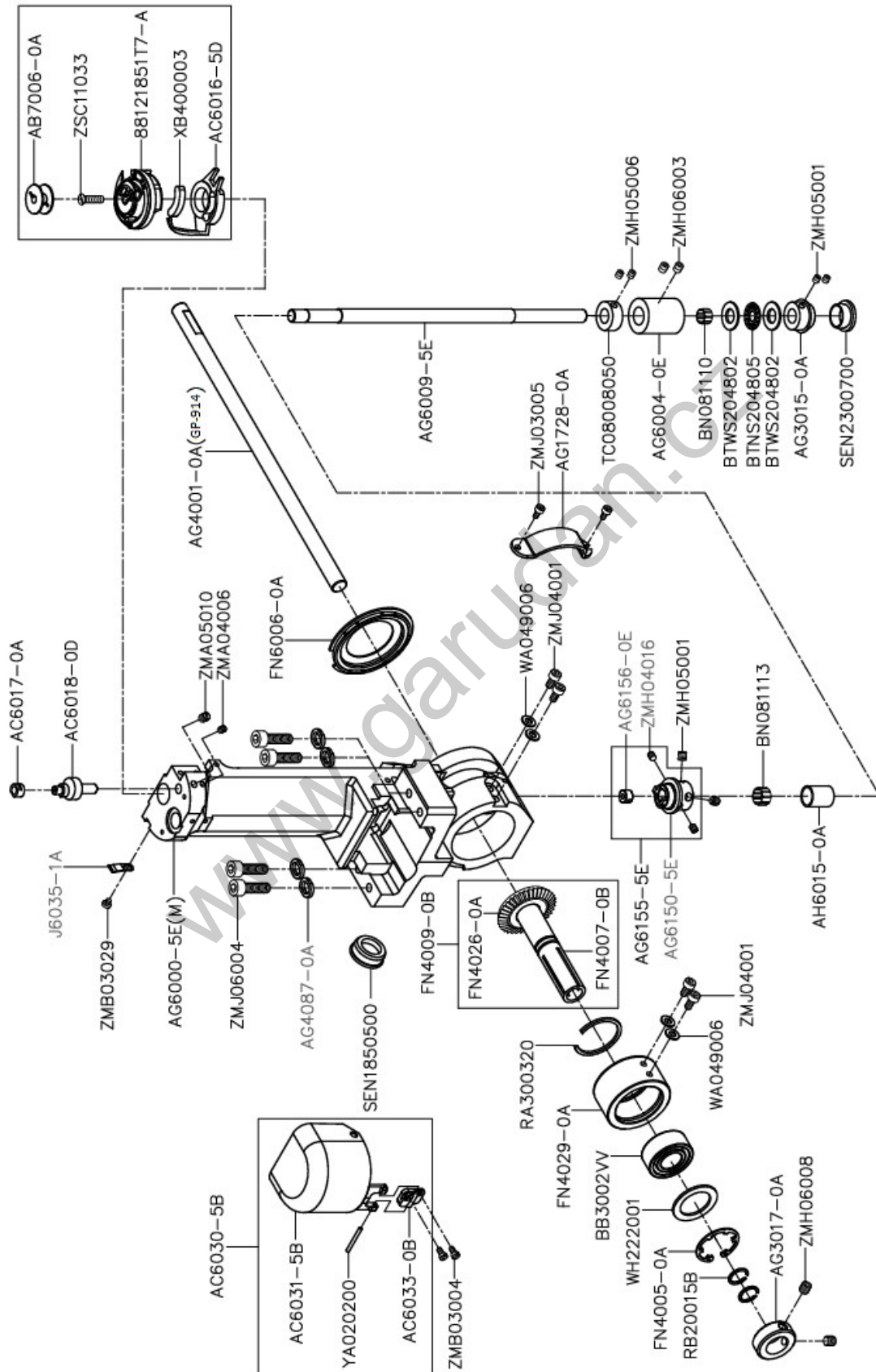
L. LOOK HOLDER MECHANISM (RIGHT, SMALL HOOK) (2/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
40	WA049006	Washer		4	4	
41	WH222001	Washer		1	1	
42	XB400003	Felt		1	1	
43	YA020200	Pin		1	1	
44	ZMA04006	Screw (M4-0.7x6)		1	1	
45	ZMA05010	Screw (M5-0.8x6)		1	1	
46	ZMB03004	Screw (M3-0.5x5.7)		2	2	
47	ZMB03029	Screw (M3-0.5x3)		1	1	
48	ZMH04016	Screw (M4-0.7x6)		2	2	
49	ZMH05001	Screw (M5-0.8x5)		4	4	
50	ZMH05006	Screw (M5-0.8x4)		2	2	
51	ZMH06003	Screw (M6-1.0x8)		2	2	
52	ZMH06008	Screw (M6-1.0x6)		2	2	
53	ZMH06010	Screw (M6-1.0x10)		2	2	
54	ZMH06016	Screw (M6-1.0x20)		2	2	
55	ZMJ03005	Screw (M3-0.5x6)		2	2	
56	ZMJ04001	Screw (M4-0.7x8)		4	4	
57	ZMJ06004	Screw (M6-1.0x20)		4	4	
58	ZSC11033	Screw (11-64-32x17)		1	1	

### L. HOOK HOLDER MECHANISM (FELT, SMALL HOOK) (1/2)



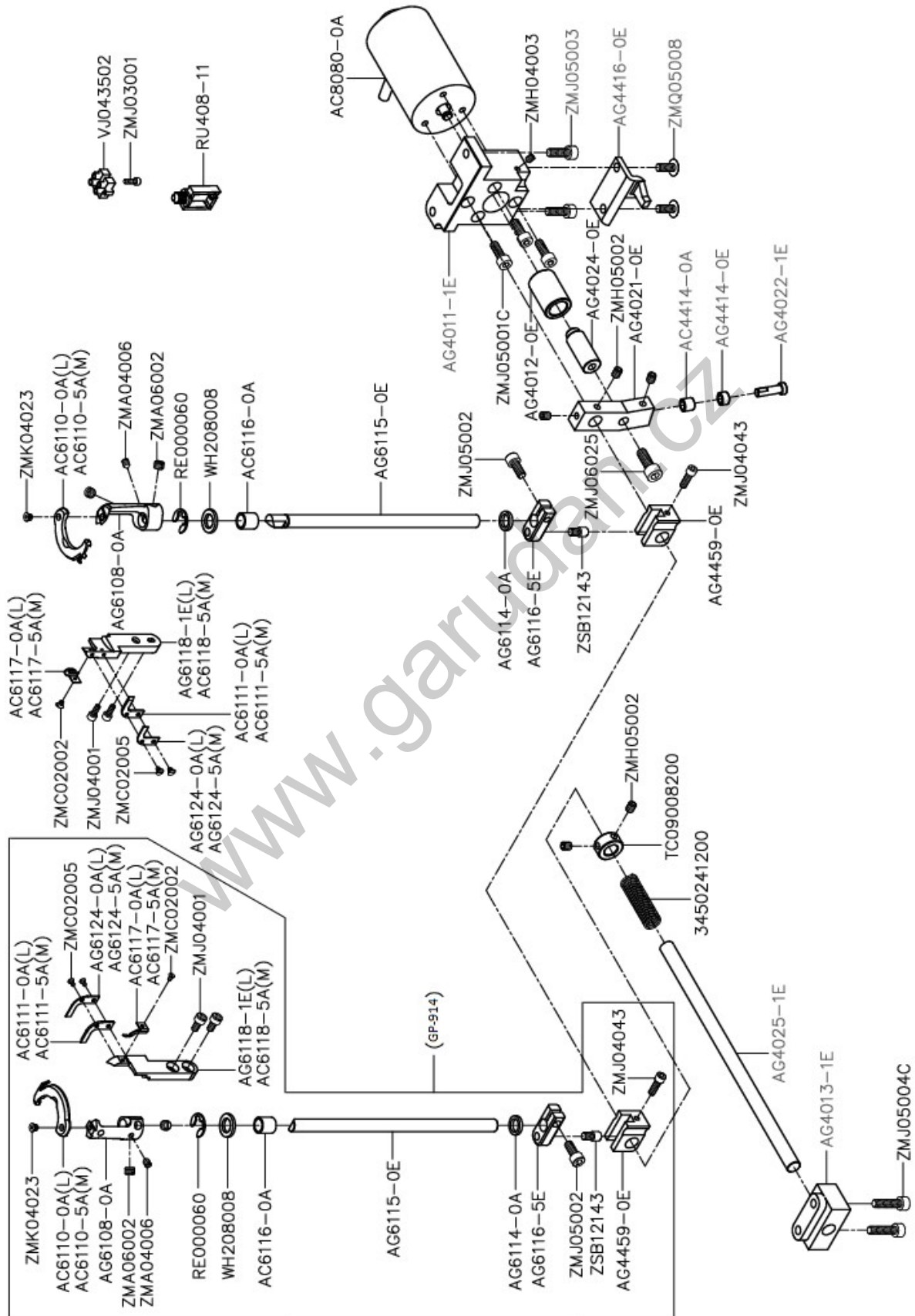
L. LOOK HOLDER MECHANISM (FELT, SMALL HOOK) (1/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	88121851T7-A	Rotary Hook		0	1	
2	AB7006-0A	Bobbin		0	1	
3	AC6016-5D	Hook Opener		0	1	
4	AC6017-0A	Hook Opener Guiding Block		0	1	
5	AC6018-0D	Hook Opener Adjusting Post		0	1	
6	AC6030-5B	Hook Cover Asm.		0	1	
7	AC6031-5B	Hook Cover		0	1	
8	AC6033-0B	Hook Cover Hinge		0	1	
9	AG1728-0A	Plate		0	1	
10	AG3015-0A	Helical Bevel Gear (Small)		0	1	
11	AG3017-0A	Ring		0	1	
12	AG4001-0A	Shaft		0	1	
13	AG4087-0A	Washer		0	4	
14	AG6000-5E	Hook Post		0	1	
15	AG6004-0E	Bushing		0		
16	AG6009-5E	Hook Driving Shaft		0	1	
17	AG6150-5E	Connecting Base		0	1	
18	AG6155-5E	Hook Opener Eccentric Asm.		0	1	
19	AG6156-0E	Collar		0	1	
20	AH6015-0A	Bushing		0	1	
21	BB3002VV	Bearing		0	1	
22	BN081110	Bearing		0	1	
23	BN081113	Bearing		0	1	
24	BTNS204805	Bearing		0	1	
25	BTWS204802	Washer		0	2	
26	FN4005-0A	Retaining Ring		0	1	
27	FN4007-0B	Spindle		0	1	
28	FN4009-0B	Gear (big) Asm.		0	1	
29	FN4026-0A	Gear (big)		0	1	
30	FN4029-0A	Feed Platform Spindle		0	1	
31	FN6006-0A	Lid (left)		0	1	
32	J6035-1A	Spring		0	1	
33	RA300320	C-ring		0	1	
34	RB20015B	C-ring		0	2	
35	SEN1850500	Plug		0	1	
36	SEN2300700	Plug		0	1	
37	TC08008050	Collar		0	1	
38	WA049006	Washer		0	4	
39	WH222001	Washer		0	1	

### L. HOOK HOLDER MECHANISM (FELT, SMALL HOOK) (2/2)



L. LOOK HOLDER MECHANISM (FELT, SMALL HOOK) (2/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
40	XB400003	Felt		0	1	
41	YA020200	Pin		0	1	
42	ZMA04006	Screw (M4-0.7x6)		0	1	
43	ZMA05010	Screw (M5-0.8x6)		0	1	
44	ZMB03004	Screw (M3-0.5x5.7)		0	2	
45	ZMB03029	Screw (M3-0.5x3)		0	1	
46	ZMH04016	Screw (M4-0.7x6)		0	2	
47	ZMH05001	Screw (M5-0.8x5)		0	4	
48	ZMH05006	Screw (M5-0.8x4)		0	2	
49	ZMH06003	Screw (M6-1.0x8)		0	2	
50	ZMH06008	Screw (M6-1.0x6)		0	2	
51	ZMJ03005	Screw (M3-0.5x6)		0	2	
52	ZMJ04001	Screw (M4-0.7x8)		0	4	
53	ZMJ06004	Screw (M6-1.0x20)		0	4	
54	ZSC11033	Screw (11-64-32x17)		0	1	

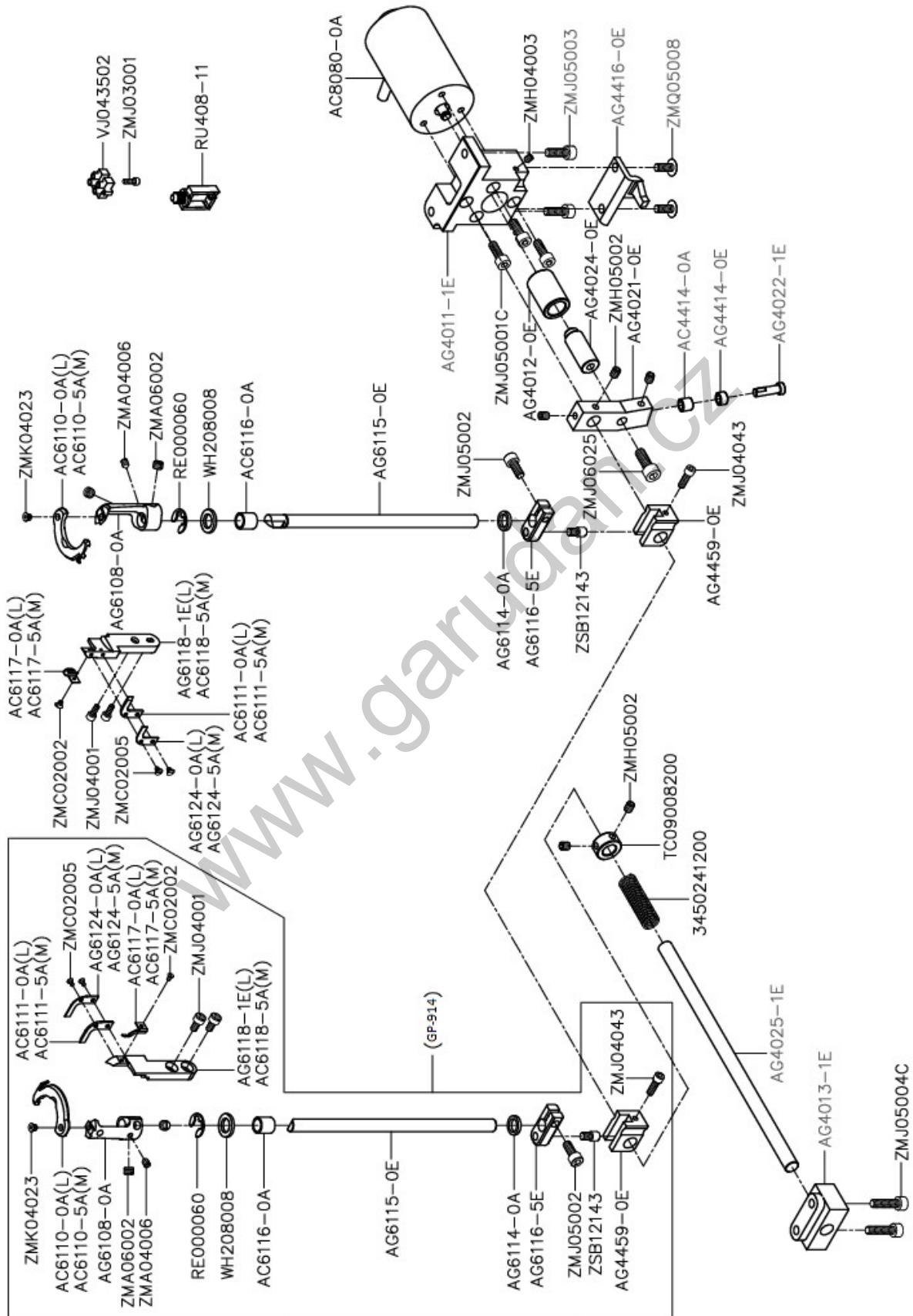
M. THREAD TRIMMING MECHANISM (2/2)



M. THREAD TRIMMING MECHANISM (1/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	3450241200	Spring		1	1	
2	AC4414-0A	Thread Trimming Cam Follower		1	1	
3	AC6110-0A	Movable Knife		1	2	
4	AC6110-5A	Movable Knife		1	2	
5	AC6111-0A	Fixed Knife		1	2	
6	AC6111-5A	Fixed Knife		1	2	
7	AC6116-0A	Driving Shaft Bushing		1	2	
8	AC6117-0A	Thread Gripping Spring		1	2	
9	AC6117-5A	Thread Gripping Spring		1	2	
10	AC6118-5A	Fixed Knife Support		1	2	
11	AC8080-0A	Thread Trimming Solenoid		1	1	
12	AG4011-1E	Fixed Lump		1	1	
13	AG4012-0E	Bushing		1	1	
14	AG4013-1E	Fixed Lump		1	1	
15	AG4021-0E	Slide Dollop			1	
16	AG4022-1E	Wheel Shaft		1	1	
17	AG4024-0E	Shaft		1	1	
18	AG4025-1E	Driving Rod		1	1	
19	AG4414-0E	Thread Trimming Cam Follower		1	1	
20	AG4416-0E	Plate		1	1	
21	AG4459-0E	Slide Dollop Seat		1	2	
22	AG6108-0A	Trimming Knife Holder		1	2	
23	AG6114-0A	Washer		1	2	
24	AG6115-0E	Knife Shaft		1	2	
25	AG6116-5E	Knife Arm		1	2	
26	AG6118-1E	Fixed Knife Support		1	2	
27	AG6124-0A	Fixed Knife		1	2	
28	AG6124-5A	Fixed Knife		1	2	
29	RE000060	E-ring		1	2	
30	RU408-11	Wiring Button		1	1	
31	TC09008200	Collar		1	1	
32	VJ043502	Connection Seat		1	1	
33	WH208008	Washer		1	2	
34	ZMA04006	Screw (M4-0.7x6)		1	2	
35	ZMA06002	Screw (M6-0.75x4.5)		2	4	
36	ZMC02002	Screw (M2-0.4x4)		1	2	
37	ZMC02005	Screw (M2-0.4x4)		2	4	
38	ZMH04003	Screw (M4-0.7x5)		1	1	
39	ZMH05002	Screw (M5-0.8x6)		5	5	

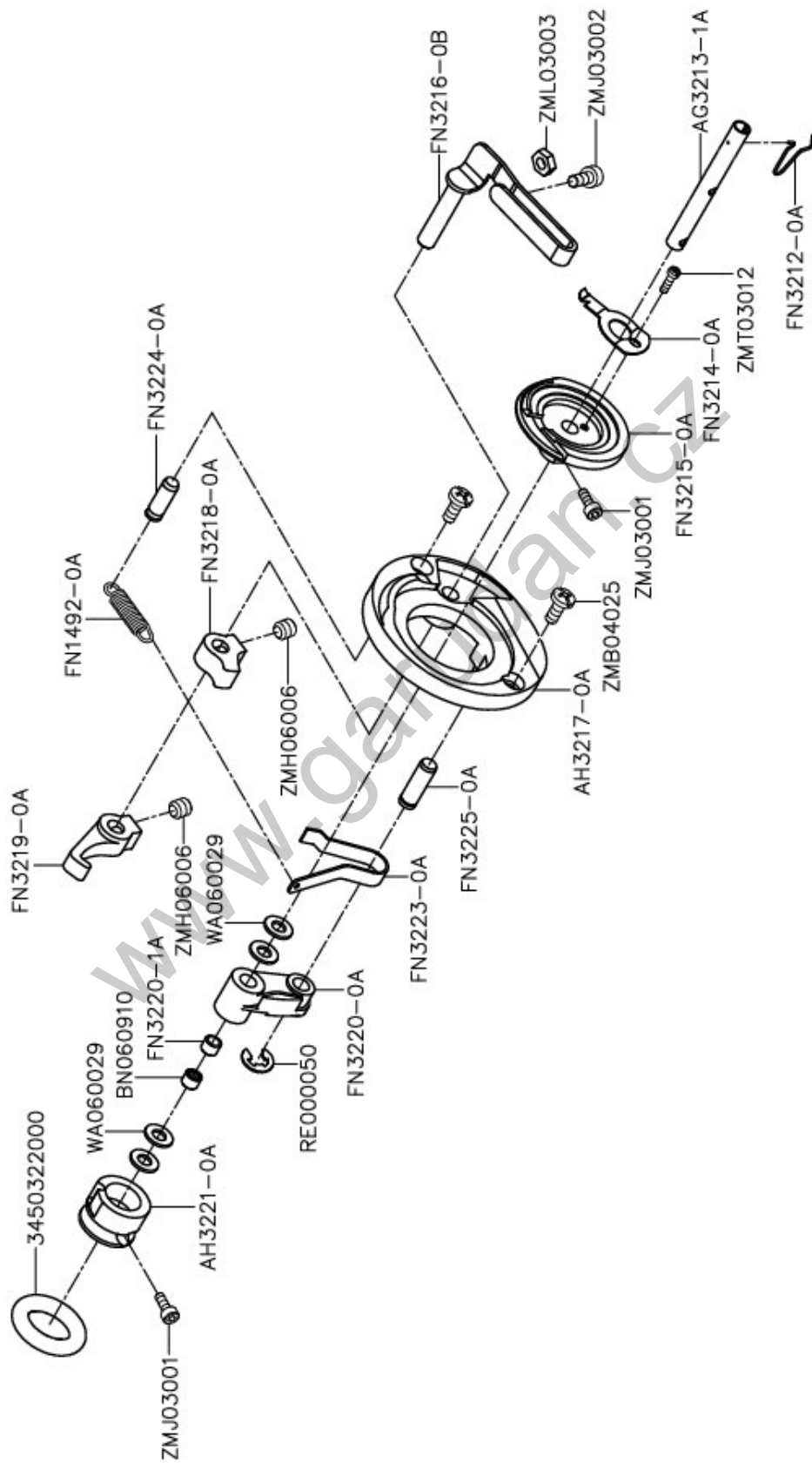


M. THREAD TRIMMING MECHANISM (2/2)



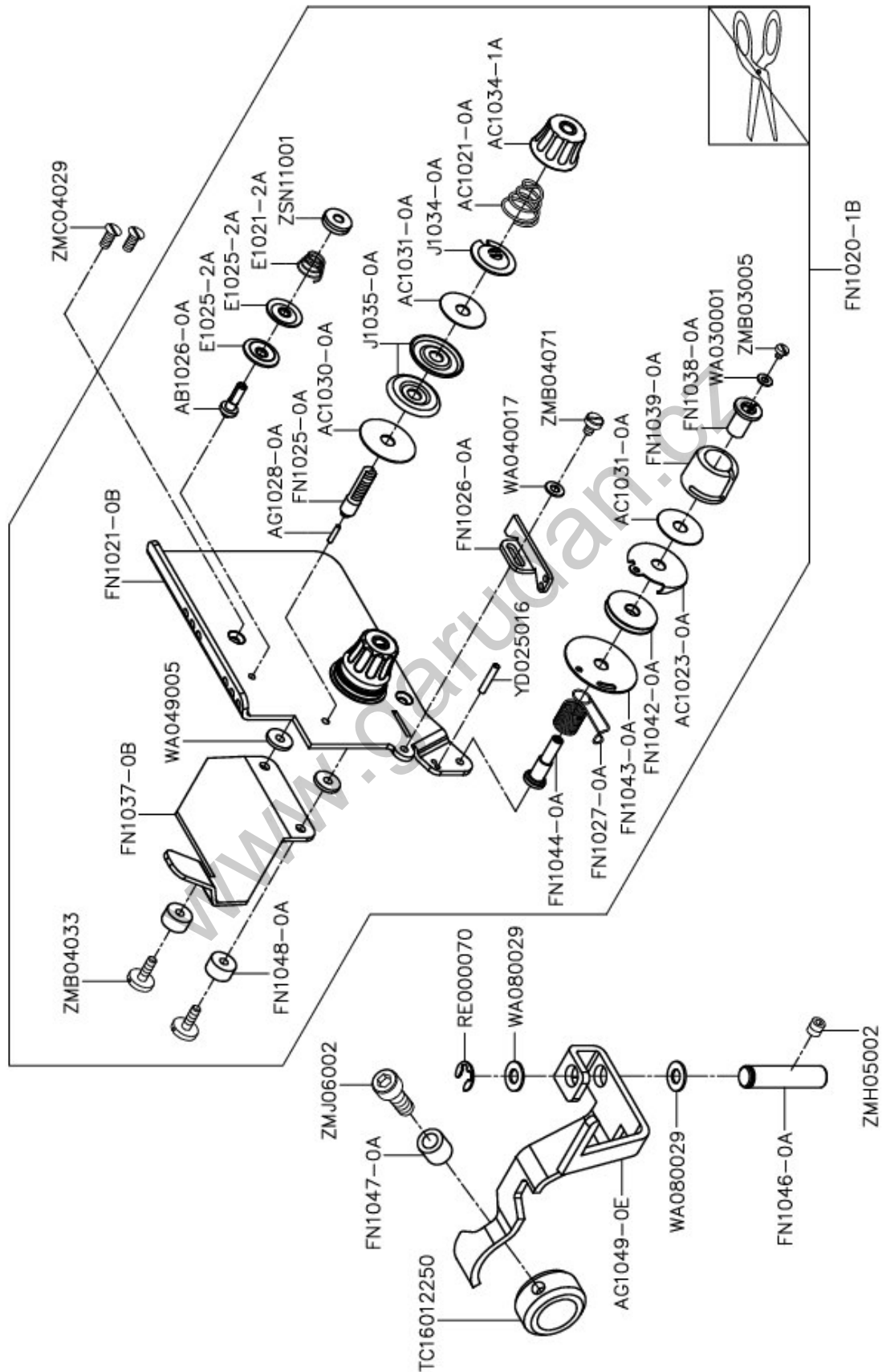
M. THREAD TRIMMING MECHANISM (2/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
40	ZMJ03001	Screw (M3-0.5x10)		1	1	
41	ZMJ04001	Screw (M4-0.7x8)		2	4	
42	ZMJ04043	Screw (M4-0.7x12)		1	2	
43	ZMJ05001C	Screw (M5-0.8x14)		3	3	
44	ZMJ05002	Screw (M5-0.8x12)		1	2	
45	ZMJ05003	Screw (M5-0.8x15)		2	2	
46	ZMJ05004C	Screw (M5-0.8x20)		2	2	
47	ZMJ06025	Screw (M6-1.0x16)		1	1	
48	ZMK04023	Screw (M4-0.7x4.2)		1	2	
49	ZMQ05008	Screw (M5-0.8x12)		2	2	
50	ZSB12143	Screw (3/16-32x6.7)		1	2	

### N. WINDER MECHANISM



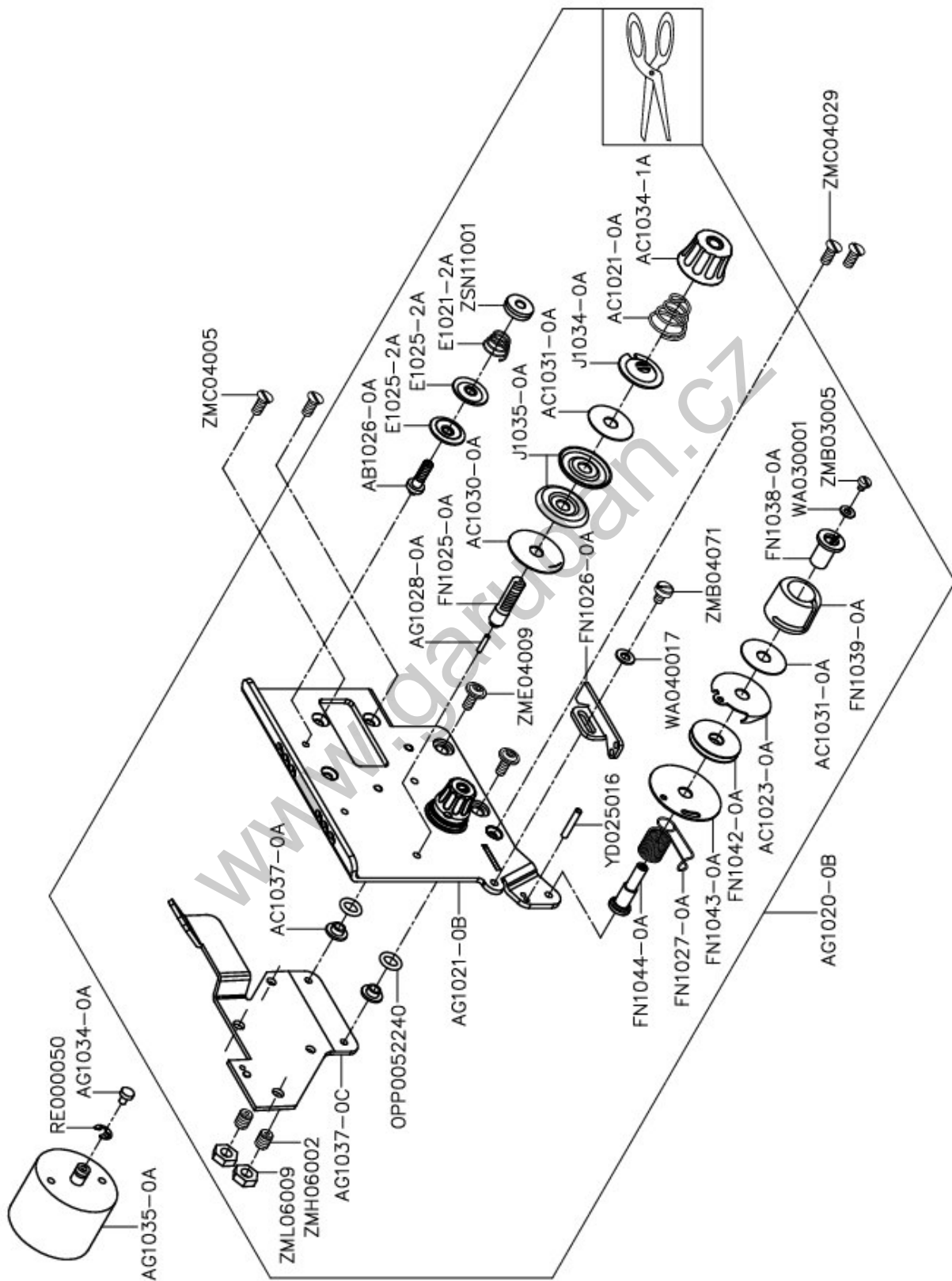
N. WINDER MECHANISM						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	3450322000	Friction Wheel		1	1	
2	AG3213-1A	Winder Driving Seat		1	1	
3	AH3217-0A	Bobbin Winder Seat		1	1	
4	AH3221-0A	Winder Driving Wheel		1	1	
5	BN060910	Bearing		1	1	
6	FN1492-0A	Spring		1	1	
7	FN3212-0A	Spring		1	1	
8	FN3214-0A	Bobbin Winder secant Sword		1	1	
9	FN3215-0A	Winder Driving Support		1	1	
10	FN3216-0B	Feel Valve		1	1	
11	FN3218-0A	Dollop		1	1	
12	FN3219-0A	Hook		1	1	
13	FN3220-0A	Winder Driving Support		1	1	
14	FN3220-1A	Dollop		1	1	
15	FN3223-0A	Bobbin Winder Support		1	1	
16	FN3224-0A	Pin		1	1	
17	FN3225-0A	Pin		1	1	
18	RE000050	E-ring		1	1	
19	WA060029	Washer		4	4	
20	ZMB04025	Screw (M4-0.7x12)		2	2	
21	ZMH06006	Screw (M6-0.75x6)		3	3	
22	ZMJ03001	Screw (M3-0.5x10)		2	2	
23	ZMJ03002	Screw (M3-0.5x12)		1	1	
24	ZML03003	Nut		1	1	
25	ZMT03012	Screw (M3-0.5x8)		1	1	

### O. THREAD TENSION ADJUST MECHANISM 1



O. THREAD TENSION ADJUST MECHANISM 1						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	AB1026-0A	Spindle		1	0	
2	AC1021-0A	Thread Guide Spring		2	0	
3	AC1023-0A	Thread Eyelet Tray		1	0	
4	AC1030-0A	Thread Guide Disk Washer		2	0	
5	AC1031-0A	Thread Guide Disk Washer		3	0	
6	AC1034-1A	Adjusting Nut		2	0	
7	AG1028-0A	Loose Thread Pin		2	0	
8	AG1049-0E	Support		1	0	
9	E1021-2A	Adjust Spring		1	0	
10	E1025-2A	Thread Guide Disk		2	0	
11	FN1020-1B	Thread Asm.		1	0	
12	FN1021-0B	Regulator Plate		1	0	
13	FN1025-0A	Thread Guide Disk Spindle		2	0	
14	FN1026-0A	Thread Guide		1	0	
15	FN1027-0A	Wring Spring		1	0	
16	FN1037-0B	Loose Thread Drive		1	0	
17	FN1038-0A	Bushing		1	0	
18	FN1039-0A	Raise Thread Cover		1	0	
19	FN1042-0A	Guide Thread Disk		1	0	
20	FN1043-0A	Guide Thread Disk		1	0	
21	FN1044-0A	Spindle		1	0	
22	FN1046-0A	Pin		1	0	
23	FN1047-0A	Wheel		1	0	
24	FN1048-0A	Washer		2	0	
25	J1034-0A	Converse Direction Disk		2	0	
26	J1035-0A	Thread Guide Disk		4	0	
27	RE000070	E-ring		1	0	
28	TC16012250	Collar		1	0	
29	WA030001	Washer		1	0	
30	WA040017	Washer		1	0	
31	WA049005	Washer		2	0	
32	WA080029	Washer		2	0	
33	YD025016	Spring Pin		1	0	
34	ZMB03005	Screw (M3-0.5x4)		1	0	
35	ZMB04033	Screw (M4-0.7x12)		2	0	
36	ZMB04071	Screw (M4-0.7x6)		1	0	
37	ZMC04029	Screw (M4-0.7x8)		2	0	
38	ZMH05002	Screw (M5-0.8x6)		1	0	
39	ZMJ06002	Screw (M6-1.0x15)		1	0	
40	ZSN11001	Nut		1	0	

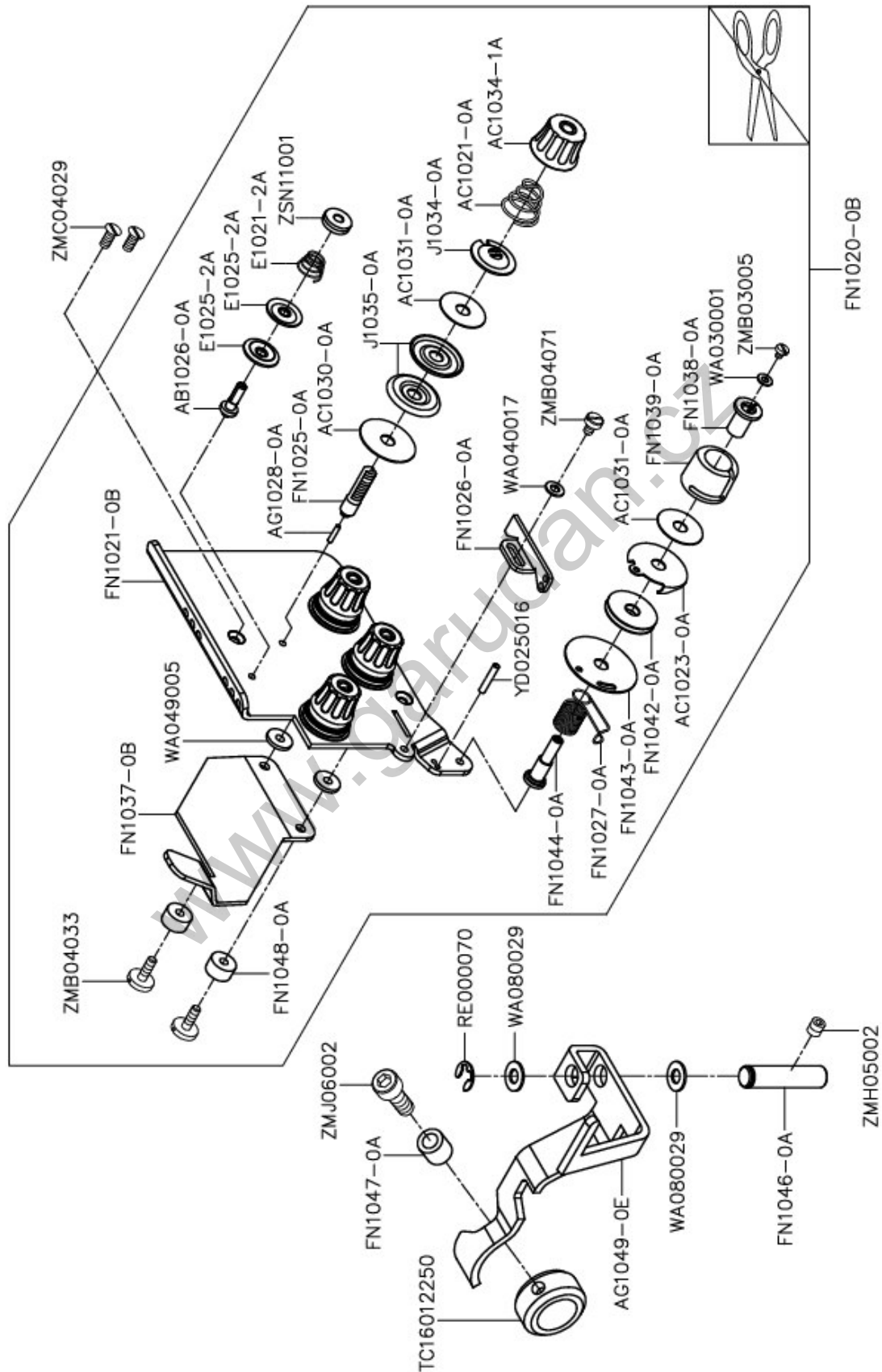
### O. THREAD TENSION ADJUST MECHANISM 2





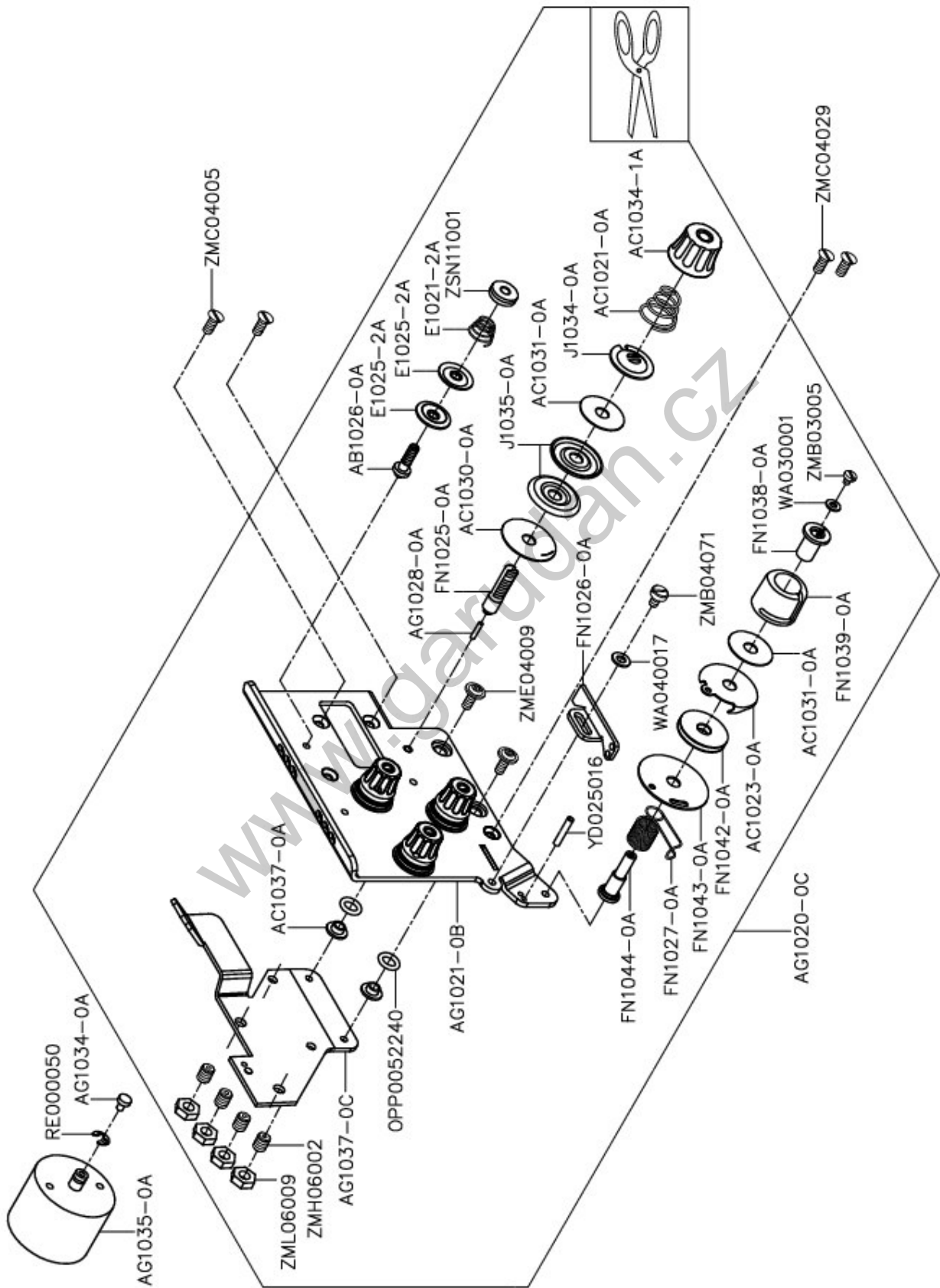
O. THREAD TENSION ADJUST MECHANISM 2						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	AB1026-0A	Spindle		1	0	
2	AC1021-0A	Thread Guide Spring		2	0	
3	AC1023-0Aa	Thread Eyelet Tray		1	0	
4	AC1030-0A	Thread Guide Disk Washer		2	0	
5	AC1031-0A	Thread Guide Disk Washer		3	0	
6	AC1034-1A	Adjusting Nut		2	0	
7	AC1037-0A	Seat Ring		1	0	
8	AG1020-0B	Thread Asm.		1	0	
9	AG1021-0B	Regulator Plate		1	0	
10	AG1028-0A	Loose Thread Pin		2	0	
11	AG1034-0A	Rubber		1	0	
12	AG1035-0A	Loose Thread Electromagnet		1	0	
13	AG1037-0C	Loose Thread Plate		1	0	
14	E1021-2A	Adjust Spring		1	0	
15	E1025-2A	Thread Guide Disk		2	0	
16	FN1025-0A	Thread Guide Disk Spindle		2	0	
17	FN1026-0A	Thread Guide		1	0	
18	FN1027-0A	Wring Spring		1	0	
19	FN1038-0A	Bushing		1	0	
20	FN1039-0A	Raise Thread Cover		1	0	
21	FN1042-0A	Guide Thread Disk		1	0	
22	FN1043-0A	Guide Thread Disk		1	0	
23	FN1044-0A	Spindle		1	0	
24	J1034-0A	Converse Direction Disk		2	0	
25	J1035-0A	Thread Guide Disk		4	0	
26	OPP00552240	O-ring		2	0	
27	RE000050	E-ring		1	0	
28	WA030001	Washer		1	0	
29	WA040017	Washer		1	0	
30	YD025016	Spring Pin		1	0	
31	ZMB03005	Screw		1	0	
32	ZMB04071	Screw		1	0	
33	ZMC04005	Screw		2	0	
34	ZMC04029	Screw		2	0	
35	ZME04009	Screw		2	0	
36	ZMH06002	Screw		2	0	
37	ZML06009	Nut		2	0	
38	ZSN11001	Nut		1	0	

### O. THREAD TENSION ADJUST MECHANISM 3



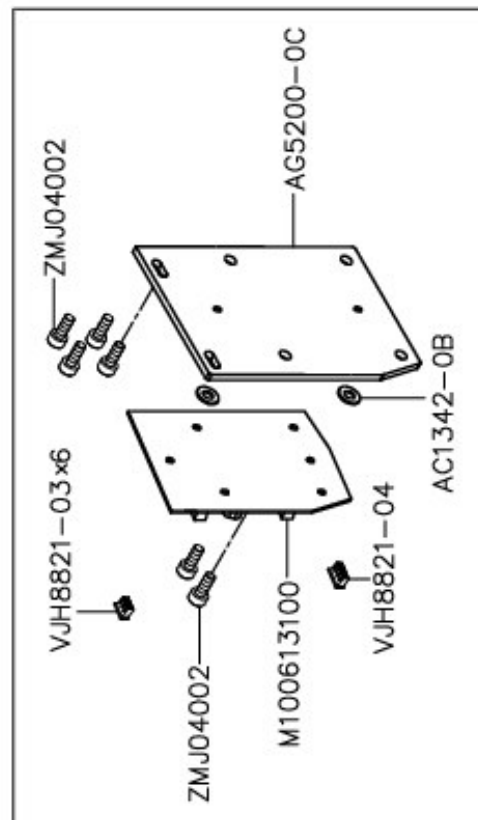
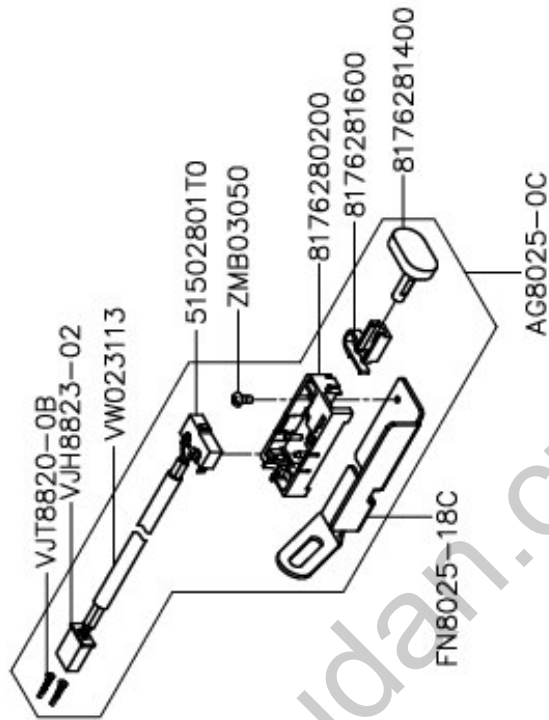
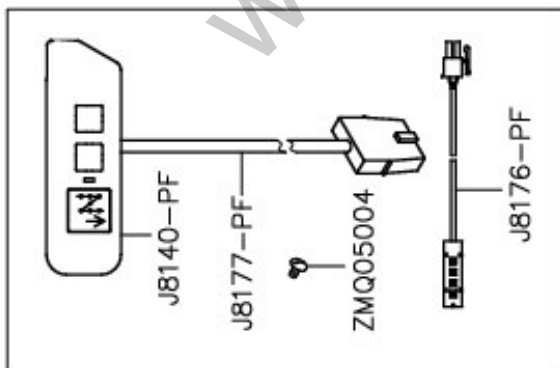
O. THREAD TENSION ADJUST MECHANISM 3						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	AB1026-0A	Spindle		0	1	
2	AC1021-0A	Thread Guide Spring		0	4	
3	AC1023-0A	Thread Eyelet Tray		0	1	
4	AC1030-0A	Thread Guide Disk Washer		0	4	
5	AC1031-0A	Thread Guide Disk Washer		0	5	
6	AC1034-1A	Adjusting Nut		0	4	
7	AG1028-0A	Loose Thread Pin		0	4	
8	AG1049-0E	Support		0	1	
9	E1021-2A	Adjusting Spring		0	1	
10	E1025-2A	Thread Guide Disk		0	2	
11	FN1020-0B	Thread Asm.		0	1	
12	FN1021-0B	Regulator Plate		0	1	
13	FN1025-0A	Thread Guide Disk Spindle		0	4	
14	FN1026-0A	Thread Guide		0	1	
15	FN1027-0A	Wring Spring		0	1	
16	FN1037-0B	Loose Thread Drive		0	1	
17	FN1038-0A	Bushing		0	1	
18	FN1039-0A	Raise Thread Drive		0	1	
19	FN1042-0A	Guide Thread Disk		0	1	
20	FN1043-0A	Guide Thread Disk		0	1	
21	FN1044-0A	Spindle		0	1	
22	FN1046-0A	Pin		0	1	
23	FN1047-0A	Wheel		0	1	
24	FN1048-0A	Washer		0	2	
25	J1034-0A	Converse Direction Disk		0	4	
26	J1035-0A	Thread Guide Disk		0	8	
27	RE000070	E-ring		0	1	
28	TC16012250	Collar		0	1	
29	WA030001	Washer		0	1	
30	WA040017	Washer		0	1	
31	WA049005	Washer		0	2	
32	WA080029	Washer		0	2	
33	YD025016	Spring Pin		0	1	
34	ZMB03005	Screw (M3-0.5x4)		0	1	
35	ZMB04033	Screw (M4-0.7x4)		0	2	
36	ZMB04071	Screw (M4-0.7x6)		0	1	
37	ZMC04029	Screw (M4-0.7x8)		0	2	
38	ZMH05002	Screw (M5-0.8x6)		0	1	
39	ZMJ06002	Screw (M6-1.0x15)		0	1	
40	ZSN11011	Nut		0	1	

### O. THREAD TENSION ADJUST MECHANISM 4



O. THREAD TENSION ADJUST MECHANISM 4						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	AB1026-0A	Spindle		0	1	
2	AC1021-0A	Thread Guide Spring		0	4	
3	AC1023-0A	Thread Eyelet Tray		0	1	
4	AC1030-0A	Thread Guide Disk Washer		0	4	
5	AC1031-0A	Thread Guide Disk Washer		0	5	
6	AC1034-1A	Adjusting Nut		0	4	
7	AC1037-0A	Seat Ring		0	1	
8	AG1020-0C	Thread Asm.		0	1	
9	AG1021-0B	Regulator Plate		0	1	
10	AG1028-0A	Loose Thread Pin		0	4	
11	AG1034-0A	Rubber		0	1	
12	AG1035-0A	Loose Thread Electromagnet		0	1	
13	AG1037-0C	Loose Thread Plate		0	1	
14	E1021-2A	Adjusting Spring		0	1	
15	E1025-2A	Thread Guide Disk		0	2	
16	FN1025-0A	Thread Guide Disk Spindle		0	4	
17	FN1026-0A	Thread Guide		0	1	
18	FN1027-0A	Wring Spring		0	1	
19	FN1038-0A	Bushing		0	1	
20	FN1039-0A	Raise Thread Cover		0	1	
21	FN1042-0A	Guide Thread Disk		0	1	
22	FN1043-0A	Guide Thread Disk		0	1	
23	FN1044-0A	Spindle		0	1	
24	J1034-0A	Converse Direction Disk		0	4	
25	J1035-0A	Thread Guide Disk		0	8	
26	OPP0052240	O-ring		0	2	
27	RE000050	E-ring		0	1	
28	WA030001	Washer		0	1	
29	WA040017	Washer		0	1	
30	YD025016	Spring Pin		0	1	
31	ZMB03005	Screw (M3-0.5x4)		0	1	
32	ZMB04071	Screw (M4-0.7x6)		0	1	
33	ZMC04005	Screw (M4-0.7x6.5)		0	2	
34	ZMC04029	Screw (M4-0.7x8)		0	2	
35	ZME04009	Screw (M4-0.7x10)		0	2	
36	ZMH06002	Screw (M6-0.75x7.5)		0	4	
37	ZML06009	Nut		0	4	
38	ZSN11001	Nut		0	1	

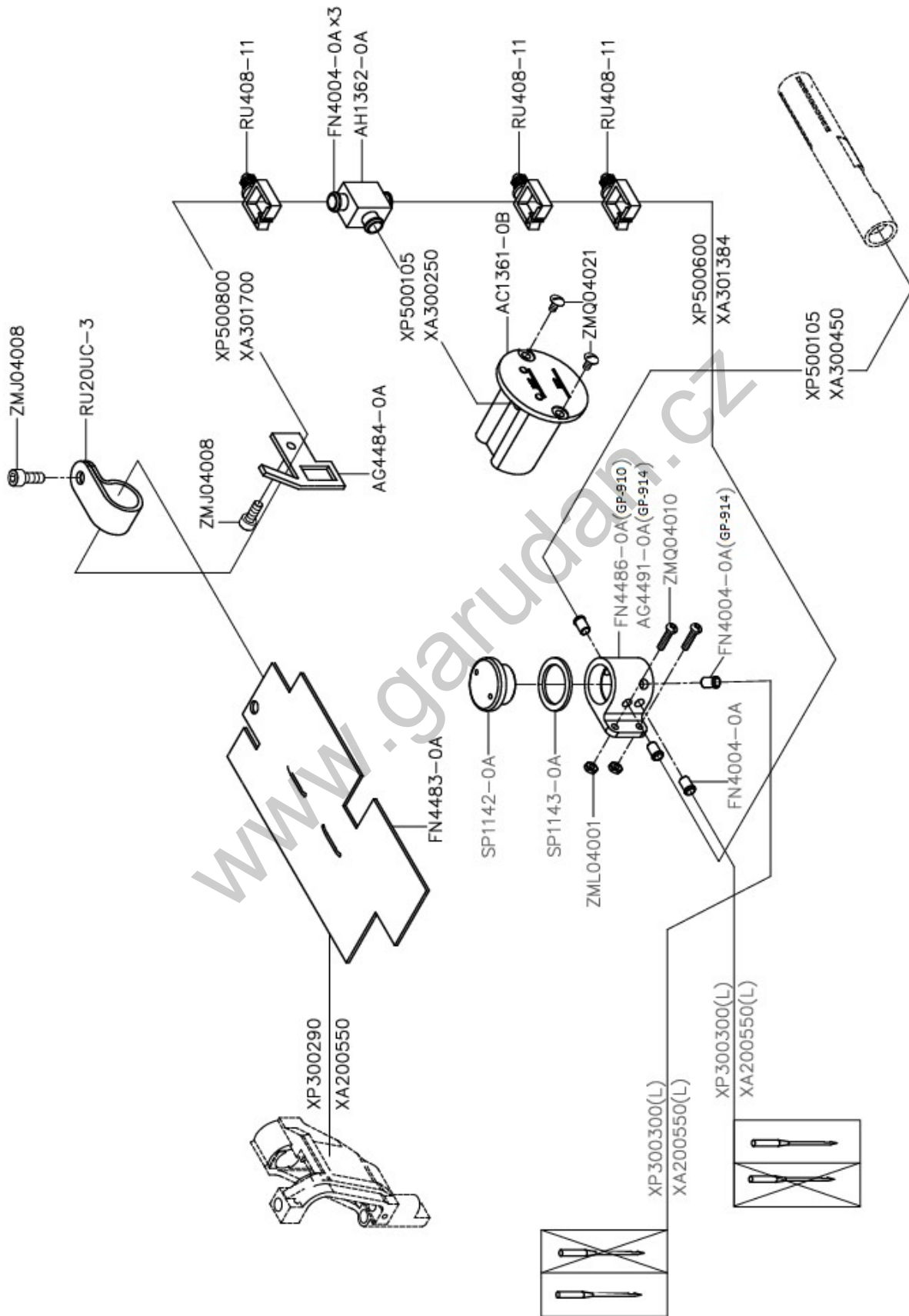
P. DRIVING CONTROL PARTS



P. DRIVING CONTROL PARTS						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	51502801T0	Micro switch		1	1	
2	8176280200	Switch Base		1	1	
3	8176281400	Switch Lever		1	1	
4	8176281600	Spring		1	1	
5	AC1342-0B	Insulating Spacer		2	2	
6	AG5200-0C	Prop up Shelf		1	1	
7	AG8025-0C	Control Panel		1	1	
8	FN8025-18C	Switch Seat		1	1	
9	J8140-PF	Switch Asm.		1	1	
10	J8176-PF	LED Light		1	1	
11	J8177-PF	6-Cable Asm.		1	1	
12	M100613100	Circuit Plate		1	1	
13	VJH8821-03	Joint		6	6	
14	VJH8821-04	Joint		1	1	
15	VJH8823-02	Joint		1	1	
16	VJT8820-0B	Strip Terminal		2	2	
17	VW023113	Wire		1	1	
18	ZMB03050	Screw (M3-0.5x6)		1	1	
19	ZMJ04002	Screw (M4-0.7x10)		6	6	
20	ZMQ05004	Screw (M5-0.8x10)		1	1	

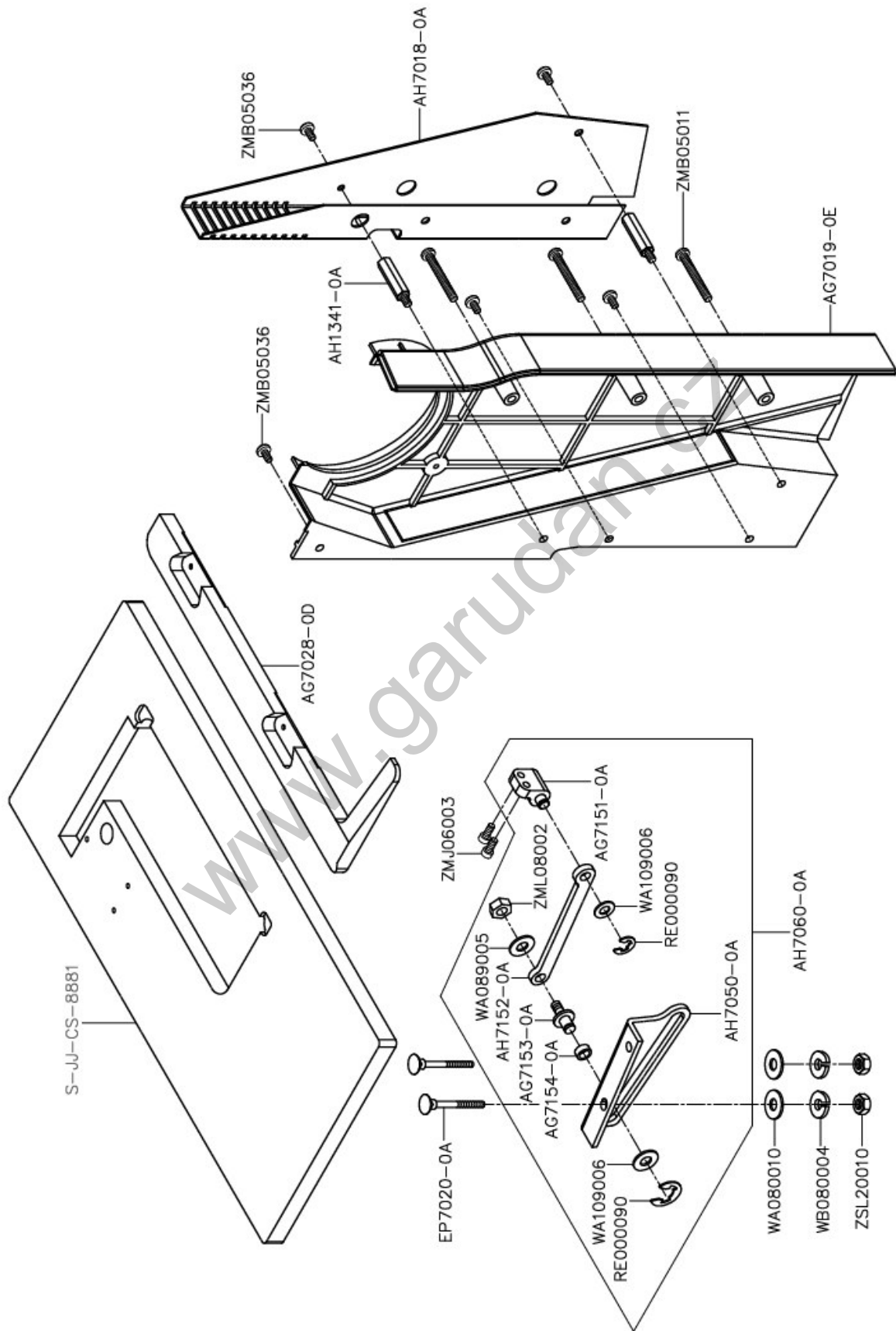


Q. OIL SUPPLY SYSTEM



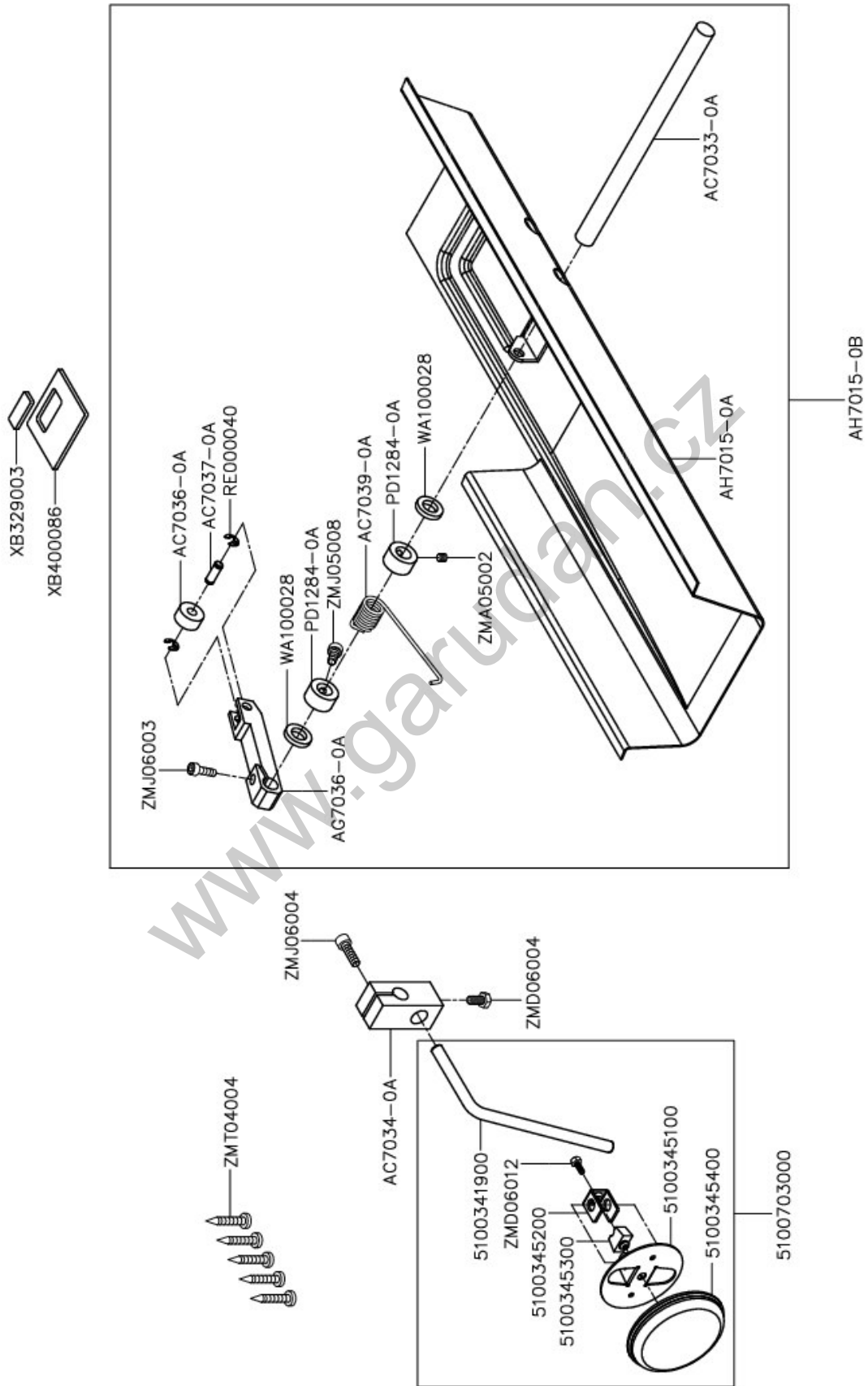
Q. OIL SUPPLY SYSTEM						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	AC1361-0B	Oil Reservoir		1	1	
2	AG4484-0A	Bracket		1	0	
3	AG4491-0A	Bracket		0	1	
4	AH1362-0A	Joint		1	1	
5	FN4004-0A	Joint		6	7	
6	FN4483-0A	Felt		1	1	
7	FN4486-0A	Oil Case		1	1	
8	RU20UC-3	Wiring Harness		1	1	
9	RU408-11	Wiring Button		3	3	
10	SP1142-0A	Oil Lid		1	1	
11	SP1143-0A	Washer		1	1	
12	XA200550	Oil Wick		3	3	
13	XA300250	Oil Wick		1	1	
14	XA300450	Oil Wick		1	1	
15	XA301384	Oil Wick		1	1	
16	XA301700	Oil Wick		1	1	
17	XP300290	Oil Pipe		2	2	
18	XP300300	Oil Pipe		1	1	
19	XP500105	Oil Pipe		2	2	
20	XP500600	Oil Pipe		1	1	
21	XP500800	Oil Pipe		1	1	
22	ZMJ04008	Screw (M4-0.7x6)		2	2	
23	ZML04001	Nut		1	1	
24	ZMQ04010	Screw (M4-0.7x6)		1	1	
25	ZMQ04021	Screw (M4-0.7x6)		2	2	

### R. TABLE SETTING ATTACHMENT



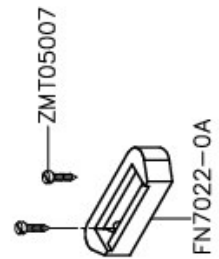
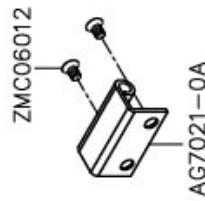
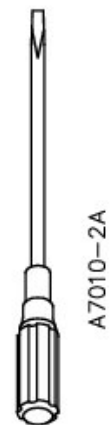
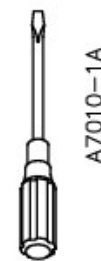
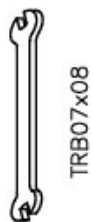
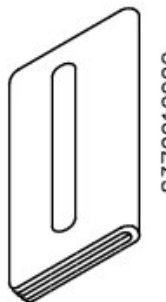
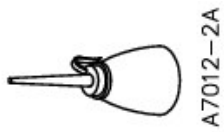
R. TABLE SETTING ATTACHMENT						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	AG7019-0E	Belt Cover		1	1	
2	AG7028-0D	Tilt Table		1	1	
3	AG7151-0A	Fixed Seat		1	1	
4	AG7153-0A	Screw		1	1	
5	AG7154-0A	Roller		1	1	
6	AH1341-0A	Screw		2	2	
7	AH7018-0A	Cover		1	1	
8	AH7050-0A	Support Dump Rail		1	1	
9	AH7060-0A	Support Asm.		1	1	
10	AH7152-0A	Connecting Bar		1	1	
11	EP7020-0A	Screw		1	1	
12	RE000090	E-ring		2	2	
13	S-JJ-CS-8881	Table		1	1	
14	WA080010	Washer		2	2	
15	WA089005	Washer		1	1	
16	WA109006	Washer		2	2	
17	WB08004	Spring Washer		2	2	
18	ZMB05011	Screw (M5-0.8x40)		3	3	
19	ZMB05036	Screw (M5-0.8x8)		5	5	
20	ZMJ06003	Screw (M6-1.0x14)		2	2	
21	ZML08002	Nut		1	1	
22	ZSL20010	Nut		2	2	

### S. ACCESSORIES 1

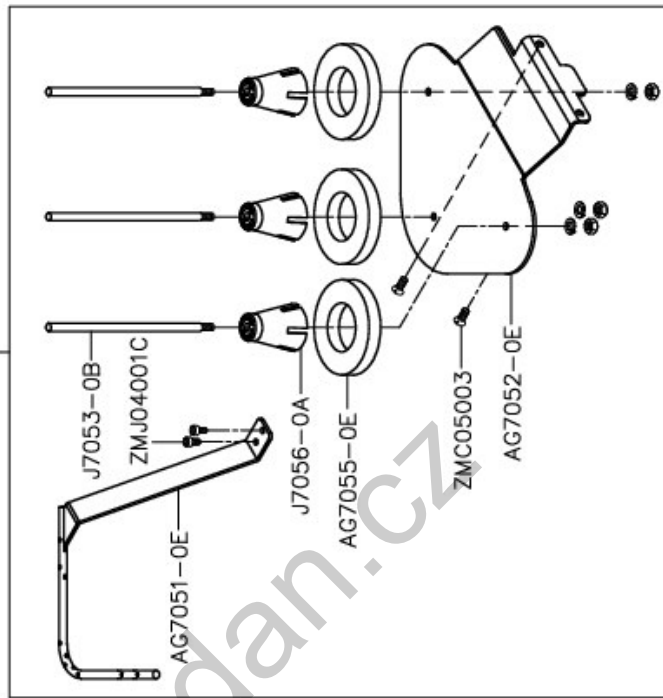


S. ACCESSORIES 1						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	5100341900	Knee Lever Rod		1	1	
2	5100345100	Knee Plate		1	1	
3	5100345200	Retainer		1	1	
4	5100345300	Rubber		1	1	
5	5100345400	Knee Cushion		1	1	
6	5100703000	Knee Asm.		1	1	
7	AC7033-0A	Knee Lifter Shaft		1	1	
8	AC7034-0A	Knee Lifter Joint		1	1	
9	AC7036-0A	Roller		1	1	
10	AC7037-0A	Roller Axis		1	1	
11	AC7039-0A	Torsion Spring		1	1	
12	AG7036-0A	Knee Lifter Arm		1	1	
13	AH7015-0A	Oil Pan		1	1	
14	AH7015-0B	Oil Pan Asm.		1	1	
15	PD1284-0A	Collar		2	2	
16	RE000040	E-ring		2	2	
17	WA100028	Washer		2	2	
18	XB329003	Felt		1	1	
19	XB400086	Felt		1	1	
20	ZMA05002	Screw (M5-0.8x4.5)		1	1	
21	ZMD06004	Screw (M6-1.0x12)		1	1	
22	ZMD06012	Screw (M6-1.0x11.6)		1	1	
23	ZMJ05008	Screw (M5-0.8x10)		1	1	
24	ZMJ06003	Screw (M6-1.0x14)		1	1	
25	ZMJ06004	Screw (M6-1.0x20)		1	1	
26	ZMT04004	Screw (M4-0.7x23)		5	5	

S. ACCESSORIES 2



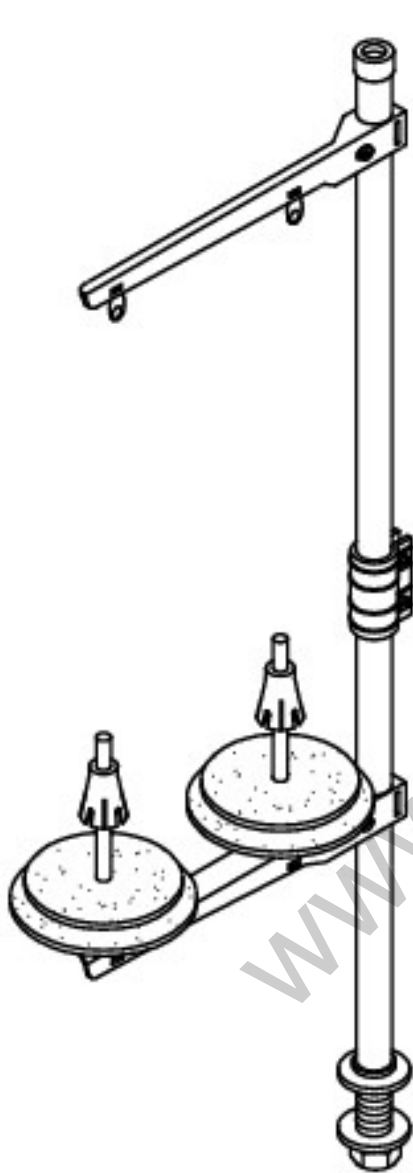
AG7053-0E



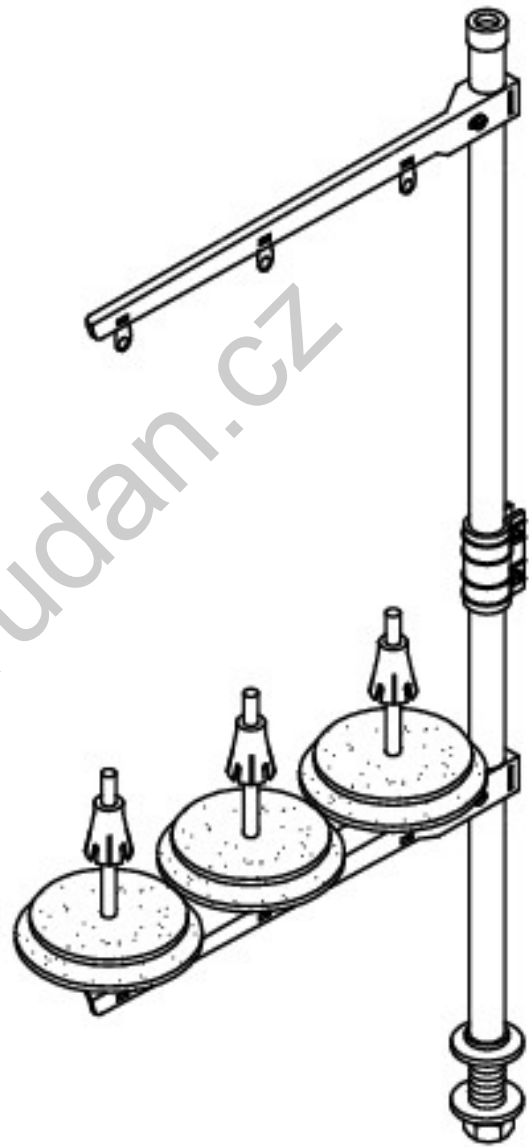
S. ACCESSORIES 2						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	8370910900	Vinyl Cover		1	1	
2	A7010-0A	Screw Driver (Small)		1	1	
3	A7010-1A	Screw Driver (Medium)		1	1	
4	A7010-2A	Screw Driver (Large)		1	1	
5	A7012-2A	Oilier		1	1	
6	AB7006-0A	Bobbin		4	4	
7	AB7006-5A	Bobbin		4	4	
8	AG7021-0A	Back Button		1	1	
9	AG7051-0E	Thread Guide		1	1	
10	AG7052-0E	Bracket		1	1	
11	AG7053-0E	Thread Stand Asm.		1	1	
12	AG7055-0E	Shaft Seat		3	3	
13	AG7131-0A	Fixed Bushing		1	1	
14	FN7010-0A	Cross Driver		1	1	
15	FN7022-0A	Back Button Seat		2	2	
16	FN7026-0A	Shockproof Rubber		2	2	
17	FN7130-0A	Lock Pin		1	1	
18	G7014-0A	Forceps		1	1	
19	INDPx17#21	Needle		4	4	
20	J7053-0B	Shaft		3	3	
21	J7056-0A	Fix Seat		3	3	
22	RU010200	Tighten Belt		1	1	
23	TLA013	Hexagonal Wrench 1.3 mm		1	1	
24	TLA020	Hexagonal Wrench 2.0 mm		1	1	
25	TLA040	Hexagonal Wrench 4.0 mm		1	1	
26	TLA050	Hexagonal Wrench 5.0 mm		1	1	
27	TLC015	Straight Hexagonal Driver		1	1	
28	TLL025	Hexagonal Wrench 2.5 mm		1	1	
29	TLL030	Hexagonal Wrench 3.5 mm		1	1	
30	TRB07x08	Open-End Wrench		1	1	
31	ZMC05003	Screw (M5-0.8x12)		2	2	
32	ZMC06012	Screw (M6-1.0x10)		2	2	
33	ZMJ04001C	Screw (M4-0.7x8)		2	2	
34	ZMT05007	Screw (M5-0.8x17)		4	4	



T. SELECTIVE PARTS



J7050-0A-A(GP-910)

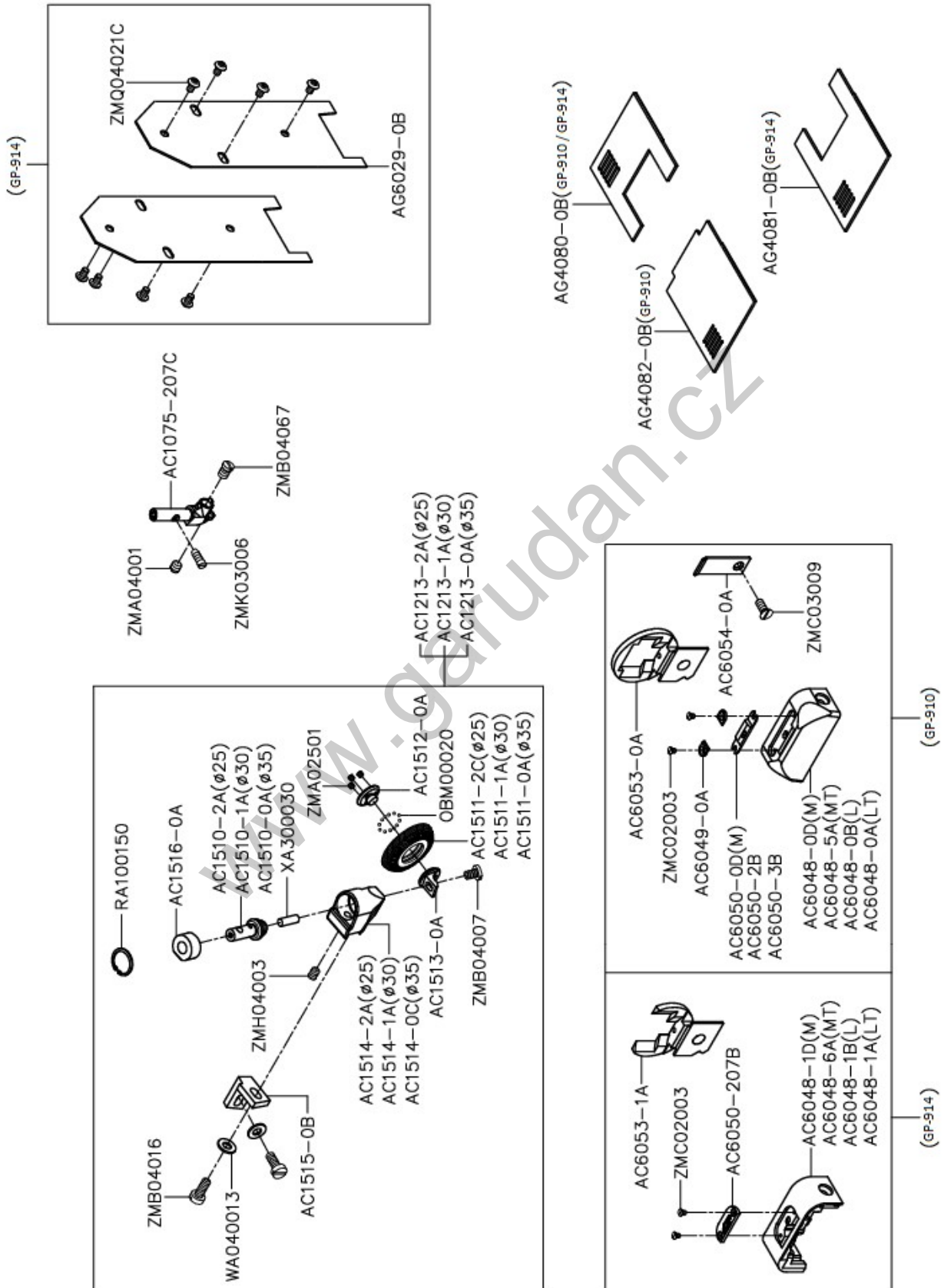


J7050-1A-A(GP-914)

T. SELECTIVE PARTS						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	J7050-0A-A	Thread Stand		1	0	
2	J7050-1A-A	Thread Stand		0	1	

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U. GAUGE PARTS LIST (1/2)



U. GAUGE PARTS LIST (1/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
1	AC1075-207C	Needle Clamp		1	1	
2	AC1213-0A	Roller Presser Asm.(Large)		(1)	(1)	
3	AC1213-1A	Roller Presser Asm.(Medium)		(1)	(1)	
4	AC1213-2A	Roller Presser Asm.(Small)		1	1	
5	AC1510-0A	Helical Bevel Gear (Large)		(1)	(1)	
6	AC1510-1A	Helical Bevel Gear (Medium)		(1)	(1)	
7	AC1510-2A	Helical Bevel Gear (Small)		1	1	
8	AC1511-0A	Top Roller (Large)		(1)	(1)	
9	AC1511-1A	Top Roller (medium)		(1)	(1)	
10	AC1511-2C	Top Roller (Small)		1	1	
11	AC1512-0A	Presser Shaft Seat (Front)		1	1	
12	AC1513-0A	Roller Support (Back)		1	1	
13	AC1514-0C	Roller Presser Bracket (Large)		(1)	(1)	
14	AC1514-1A	Roller Presser Bracket (Medium)		(1)	(1)	
15	AC1514-2A	Roller Presser Bracket (Small)		1	1	
16	AC1515-0B	Roller Presser Adaptor		1	1	
17	AC1516-0A	Bearing Ring		1	1	
18	AC6048-0A	Needle Plate Support		(1)	0	
19	AC6048-0B	Needle Plate Support		(1)	0	
20	AC6048-0D	Needle Plate Support		1	0	
21	AC6048-1A	Needle Plate Support		0	(1)	
22	AC6048-1B	Needle Plate Support		0	(1)	
23	AC6048-1D	Needle Plate Support		0	1	
24	AC6048-5A	Needle Plate Support		(1)	0	
25	AC6048-6A	Needle Plate Support		0	(1)	
26	AC6049-0A	Needle Plate Holder		2	0	
27	AC6050-0D	Needle Plate		0	1	
28	AC6050-207B	Needle Plate		0	1	
29	AC6050-2B	Needle Plate		1	0	
30	AC6050-3B	Needle Plate		(1)	0	
31	AC6053-0A	Feeding Wheel Support		1	0	
32	AC6053-1A	Feeding Wheel Support		0	1	
33	AC6054-0A	Partition Plate		1	0	
34	AG4080-0B	Slide Plate (Right)		1	1	
35	AG4081-0B	Slide Plate (Left)		0	1	
36	AG4082-0B	Slide Plate (Left)		1	0	
37	AG6029-0B	Hook Post Cover		0	2	
38	OBM00020	Ball		12	12	
39	RA100150	C-ring		1	1	



U. GAUGE PARTS LIST (2/2)						
Ref.No	Parts No.	Name of parts	Description	Qty GP-910	Qty GP-914	Note
40	WA040013	Washer		2	2	
41	XA300030	Oil Wick		1	1	
42	ZMA02501	Screw (M2.5-0.45x2)		3	3	
43	ZMA04001	Screw (M4-0.7x3)		1	1	
44	ZMB04007	Screw (M4-0.7x5)		1	1	
45	ZMB04016	Screw (M4-0.7x10)		2	2	
46	ZMB04067	Screw (M4-0.7x4)		1	1	
47	ZMC02003	Screw (M2-0.4x5.2)		2	2	
48	ZMC03009	Screw (M3-0.5x6)		1	0	
49	ZMH04003	Screw (M4-0.7x5)		1	1	
50	ZMK03006	Screw (M3-0.5x8.5)		1	1	
51	ZMQ04021C	Screw (M4-0.7x6)		0	8	