

MODEL : LK-1903/BR25

List No : 1224-02

# PARTS LIST

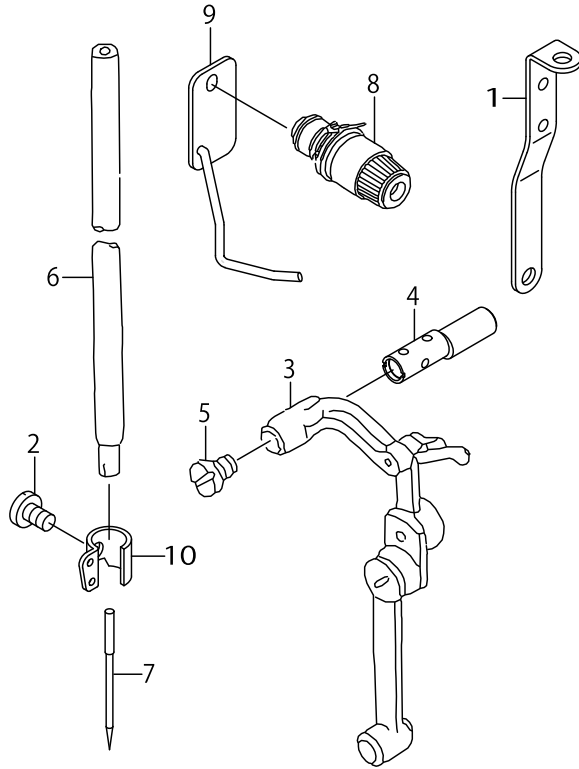
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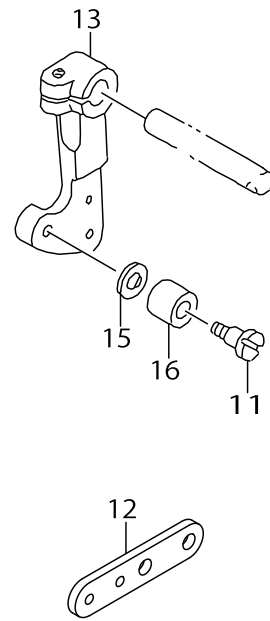
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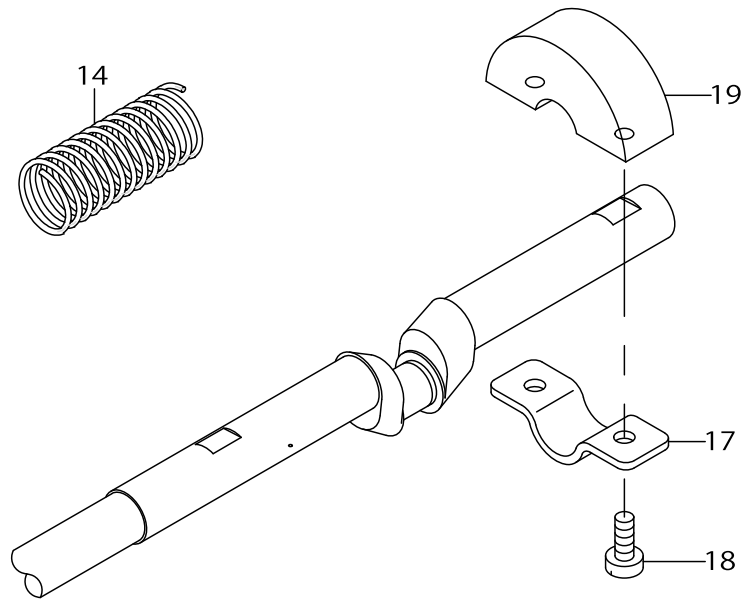
NEEDLE BAR & THREAD TENSION COMPONENTS  
針棒・糸調子関係



PRESSER LIFTER COMPONENTS  
押え上げ関係



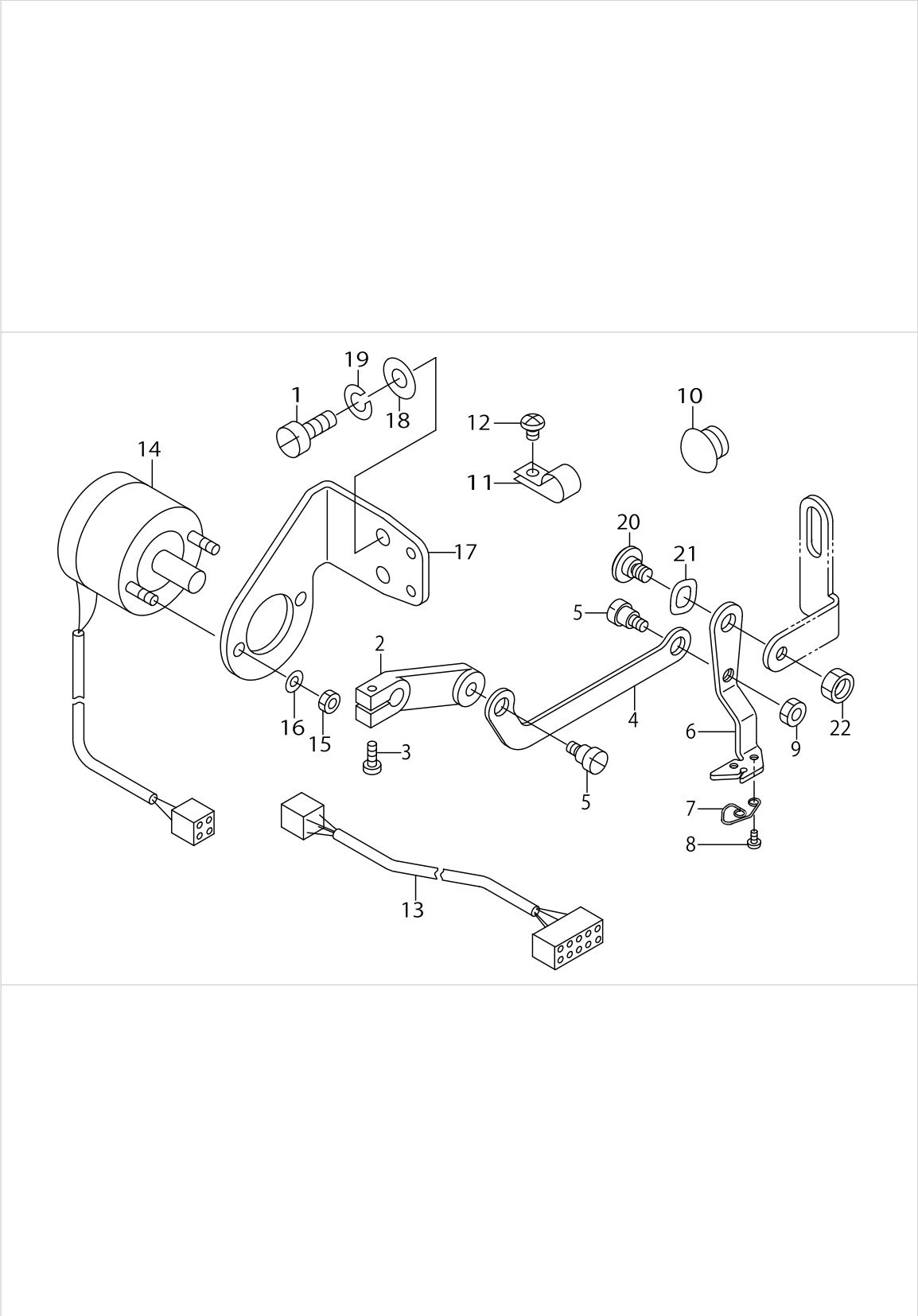
SHAFT COMPONENTS  
軸関係



## LK-1903SS-31△

| No. | Parts No.   | Parts name                     | Remarks | Level | Cons | Qty |
|-----|-------------|--------------------------------|---------|-------|------|-----|
| 1   | B1114581000 | THREAD GUIDE PLATE             |         |       |      | 1   |
| 2   | SS7080510TP | SCREW 1/8-44 L=4.5             |         |       |      | 1   |
| 3   | D1901L7VVB0 | THREAD TAKE-UP LEVER ASM.      |         |       |      | 1   |
| 4   | D1904L7VV00 | LINK TAKE-UP LEVER PIN, HEAVY  |         |       |      | 1   |
| 5   | D1906L7VV00 | SET SCREW                      |         |       |      | 1   |
| 6   | D1401L7VV00 | NEEDLE BAR                     |         |       |      | 1   |
| 7   | MDP170B1400 | NEEDLE DPX17 #14               |         |       |      | 1   |
| 8   | B23022050A0 | TENSION CONTROLLER NO.2 ASM.   |         |       |      | 1   |
| 9   | B55412050A0 | THREADING GUIDE ASM.           |         |       |      | 1   |
| 10  | D1405M7WF00 | NEEDLE BAR THREAD GUIDE        |         |       |      | 1   |
| 11  | SD0791271SP | HINGE SCREW D= 7.94 H=12.7     |         |       |      | 1   |
| 12  | 14147003    | SOLENOID LINK                  |         |       |      | 1   |
| 13  | 13541313    | CONNECTING ARM                 |         |       |      | 1   |
| 14  | 14148407    | VERTICAL FEED SHAFT SPRING     |         |       |      | 1   |
| 15  | B185351200E | HOOK SHAFT WASHER              |         |       |      | 1   |
| 16  | B2619372000 | STOP MOTION TRIPPING LEVER CAM |         |       |      | 1   |
| 17  | B1208210D00 | CRANK BALANCER FIX PLATE       |         |       |      | 1   |
| 18  | SS6121210SP | SCREW 3/16-28 L=12             |         |       |      | 2   |
| 19  | B1207210D00 | CRANK BALANCER                 |         |       |      | 1   |

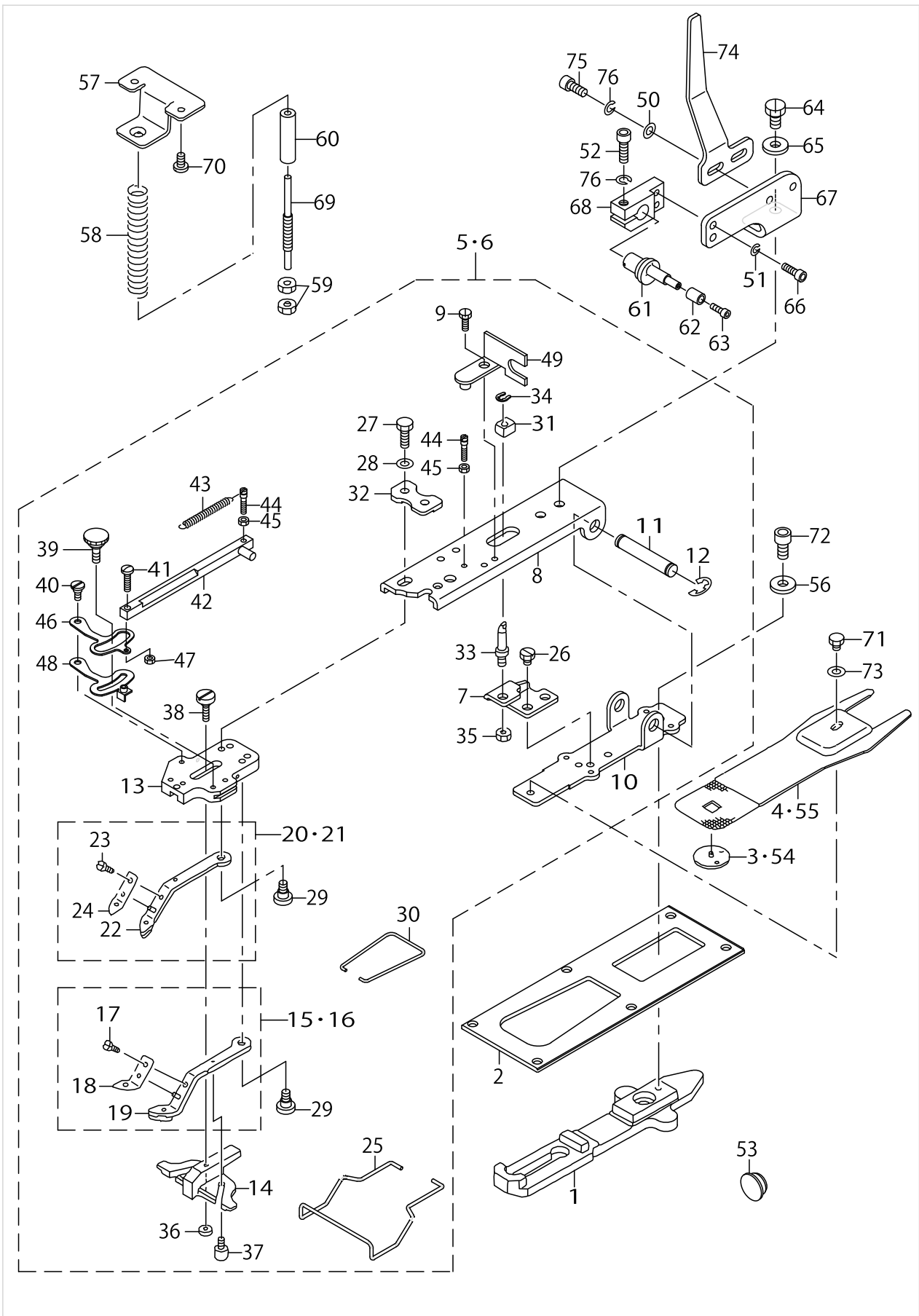
WIPER MECHANISM COMPONENTS



WIPER MECHANISM COMPONENTS

| No. | Parts No.   | Parts name                | Remarks | Level | Cons | Qty |
|-----|-------------|---------------------------|---------|-------|------|-----|
| 1   | SS6111010TP | SCREW 11/64-40 L= 9.5     |         |       |      | 2   |
| 2   | B2102205000 | WIPER ARM.                |         |       |      | 1   |
| 3   | SS6621220SP | SCREW 3/16-32 L=12        |         |       |      | 1   |
| 4   | 14147607    | WIPER LINK                |         |       |      | 1   |
| 5   | SD0600181TP | HINGE SCREW               |         |       |      | 2   |
| 6   | 14147508    | WIPER                     |         |       |      | 1   |
| 7   | 14147805    | SPRING                    |         |       |      | 1   |
| 8   | SS7060310SP | SCREW 3/32-56 L=3         |         |       |      | 2   |
| 9   | NS6110310SP | NUT 11/64-40              |         |       |      | 1   |
| 10  | TA1250705R0 | RUBBER PLUG               |         |       |      | 1   |
| 11  | HX00123000C | CABLE CLIP                |         |       |      | 3   |
| 12  | SS4110615SP | SCREW 11/64-40 L=6        |         |       |      | 3   |
| 13  | 14142251    | SOLENOID RELAY CABLE ASM. |         |       |      | 1   |
| 14  | 14147755    | SOLENOID FOR WIPER ASM.   |         |       |      | 1   |
| 15  | NM6040003SC | NUT M4                    |         |       |      | 2   |
| 16  | WS0410002KS | SPRING WASHER M4          |         |       |      | 2   |
| 17  | 13864509    | SOLENOID FITTING PLATE    |         |       |      | 1   |
| 18  | WP0450801SD | WASHER 4.5X10X0.8         |         |       |      | 2   |
| 19  | WS0451040KP | SPRING WASHER 4.5X8.5X1   |         |       |      | 2   |
| 20  | SD0640261SP | HINGE SCREW D=3.65 H=2.6  |         |       |      | 1   |
| 21  | WZ0640200KP | WAVE WASHER               |         |       |      | 1   |
| 22  | NS6120310SP | NUT 3/16-28               |         |       |      | 1   |

BUTTON CLAMP COMPONENTS

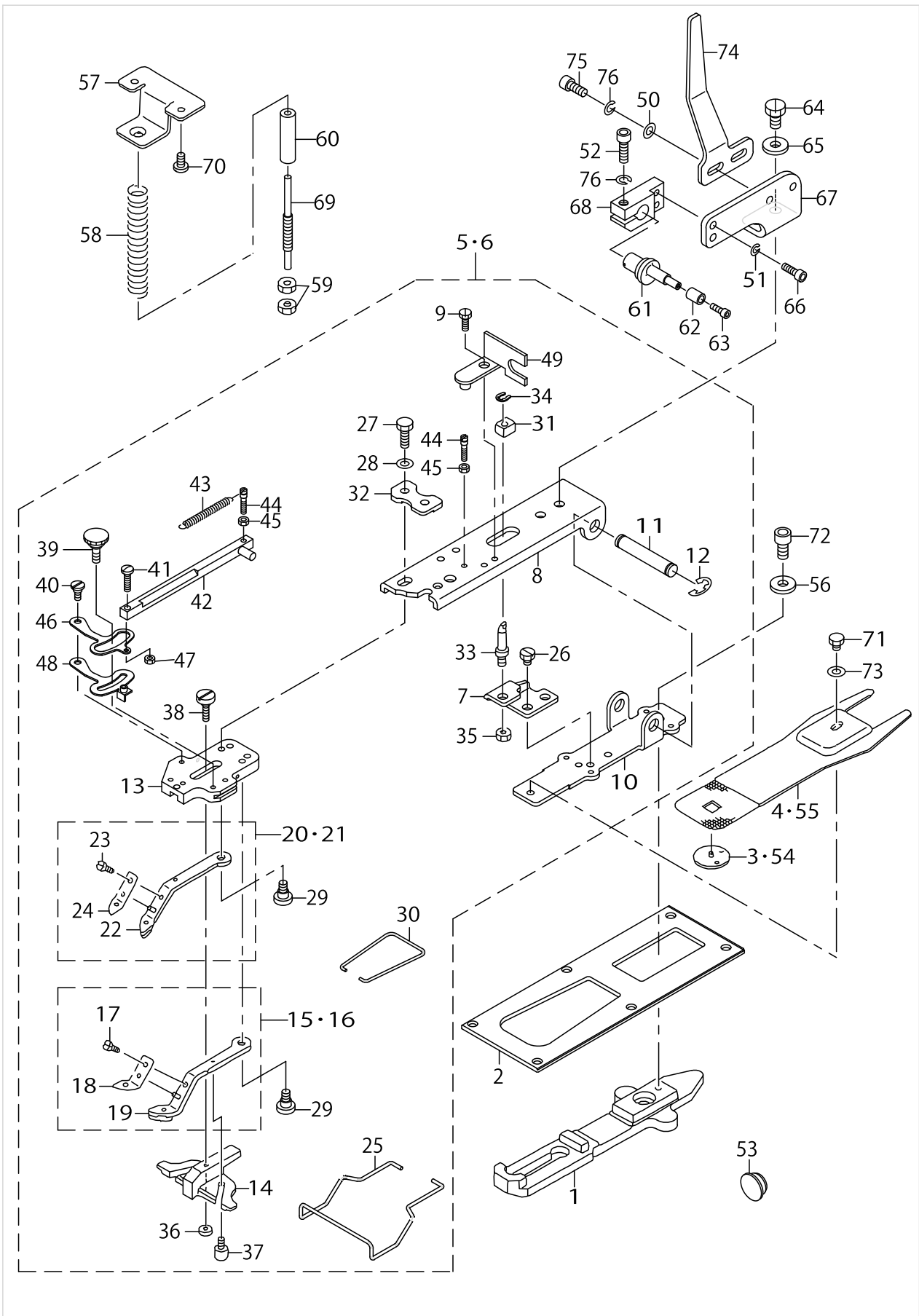


BUTTON CLAMP COMPONENTS

| No. | Parts No.    | Parts name                     | Remarks         | Level | Cons | Qty |
|-----|--------------|--------------------------------|-----------------|-------|------|-----|
| 1   | 14145106     | CLOTH FEED PLATE               |                 |       |      | 1   |
| 2   | 13517602     | FEED PLATE PRESSER PLATE       |                 |       |      | 1   |
| 3   | MAZ15501000  | GUIDE                          | FOR LK-1903-311 |       |      | 1   |
| 4   | MAZ15502000  | PRESSURE PLATE                 | FOR LK-1903-311 |       |      | 1   |
| 5   | 14190052     | KNOB DEVICE JUNCTION COMPL.    | FOR LK-1903-311 |       |      | 1   |
| 6   | 14190151     | KNOB DEVICE JUNCTION COMPL.    | FOR LK-1903-312 |       |      | 1   |
| 7   | MAZ15514000  | SUPPORT PLATE                  |                 | *     |      | 1   |
| 8   | 14146203     | PICK-UP FOOT INSTALLING BASE   |                 | *     |      | 1   |
| 9   | SS9091010SP  | SCREW 9/64-40 L=10             |                 | *     |      | 1   |
| 10  | 14146104     | PICK-UP INSTALLING BASE        |                 | *     |      | 1   |
| 11  | 14141402     | INSTALLING SHAFT               |                 | *     |      | 1   |
| 12  | RE0700000K0  | E-RING 7                       |                 | *     |      | 2   |
| 13  | 14146302     | PICK-UP FOOT INSTALLING BASE   |                 | *     |      | 1   |
| 14  | MAZ16522000  | BUTTON GUIDE FOOT              |                 | *     |      | 1   |
| 15  | 14190458     | S BUTTON CLAMP JAW LEVER ASM.R | FOR LK-1903-311 | *     |      | 1   |
| 16  | MAZ166070B0  | M BUTTON CLAMP JAW LEVER ASM.R | FOR LK-1903-312 | *     |      | 1   |
| 17  | SS7090410SP  | SCREW 9/64-40 L= 3.5           |                 | *     |      | 2   |
| 18  | MAZ08829000  | SPRING, RIGHT                  |                 | *     |      | 1   |
| 19  | MAZ166070A0  | M BUTTON CLAMP JAW LEVER ASM.R |                 | *     |      | 1   |
| 20  | 14190557     | S BUTTON CLAMP JAW LEVER ASM.L | FOR LK-1903-311 | *     |      | 1   |
| 21  | MAZ166080B0  | KNOB FOOT JUNCTION (LEFT)      | FOR LK-1903-312 | *     |      | 1   |
| 22  | MAZ166080A0  | MIDDLE BUTTON CLAMP LEVER ,L   |                 | *     |      | 1   |
| 23  | SS7090410SP  | SCREW 9/64-40 L= 3.5           |                 | *     |      | 2   |
| 24  | MAZ08828000  | SPRING, LEFT                   |                 | *     |      | 1   |
| 25  | D3130M1YC00  | FINGER GUARD                   |                 | *     |      | 1   |
| 26  | SS9110460CP  | SCREW 11/64-40 L=4             |                 | *     |      | 2   |
| 27  | SS9621413SP  | SCREW 3/16-32 L=13.5           |                 | *     |      | 2   |
| 28  | WP0501016SD  | WASHER 5X10.5X1                |                 | *     |      | 2   |
| 29  | SD0640391TP  | HINGE SCREW D= 6.35 H= 3.9     |                 | *     |      | 2   |
| 30  | B2561372000  | BUTTON CLAMP SPRING            |                 | *     |      | 1   |
| 31  | MAZ15515000  | SLIDE BLOCK                    |                 | *     |      | 1   |
| 32  | 14190300     | FITTING BASE PRESSER PLATE     |                 | *     |      | 1   |
| 33  | 13540901     | STATIONING BLOCK SHAFT         |                 | *     |      | 1   |
| 34  | D2548232D00  | SNAP RING, FOR CONNECTING ROD  |                 | *     |      | 1   |
| 35  | NS6150310SP  | NUT 15/64-28                   |                 | *     |      | 1   |
| 36  | B2553372000  | NUT                            |                 | *     |      | 1   |
| 37  | B2560372000  | BUTTON CLAMP STOP PIN          |                 | *     |      | 2   |
| 38  | SD0550303TP  | HINGE SCREW D=5.5 H=3          |                 | *     |      | 1   |
| 39  | B2549372R00  | CLAMP SCREW A                  |                 | *     |      | 1   |
| 40  | SD0500404SP  | HINGE SCREW                    |                 | *     |      | 1   |
| 41  | SS7091480SP  | SCREW 9/64-40 L=13.5           |                 | *     |      | 1   |
| 42  | MAZ088270A0  | CLAMP PELEASE LINK ASM.        |                 | *     |      | 1   |
| 43  | GBR01606000  | RELEASE RETURN SPRING          |                 | *     |      | 1   |
| 44  | GBR01607000  | SPRING HOOK                    |                 | *     |      | 2   |
| 45  | NS6080210SP  | NUT 1/8-44                     |                 | *     |      | 2   |
| 46  | GBR01601000A | CLAMP RELEASE LEVER            |                 | *     |      | 1   |
| 47  | NS6090310SP  | NUT 9/64-40                    |                 | *     |      | 1   |



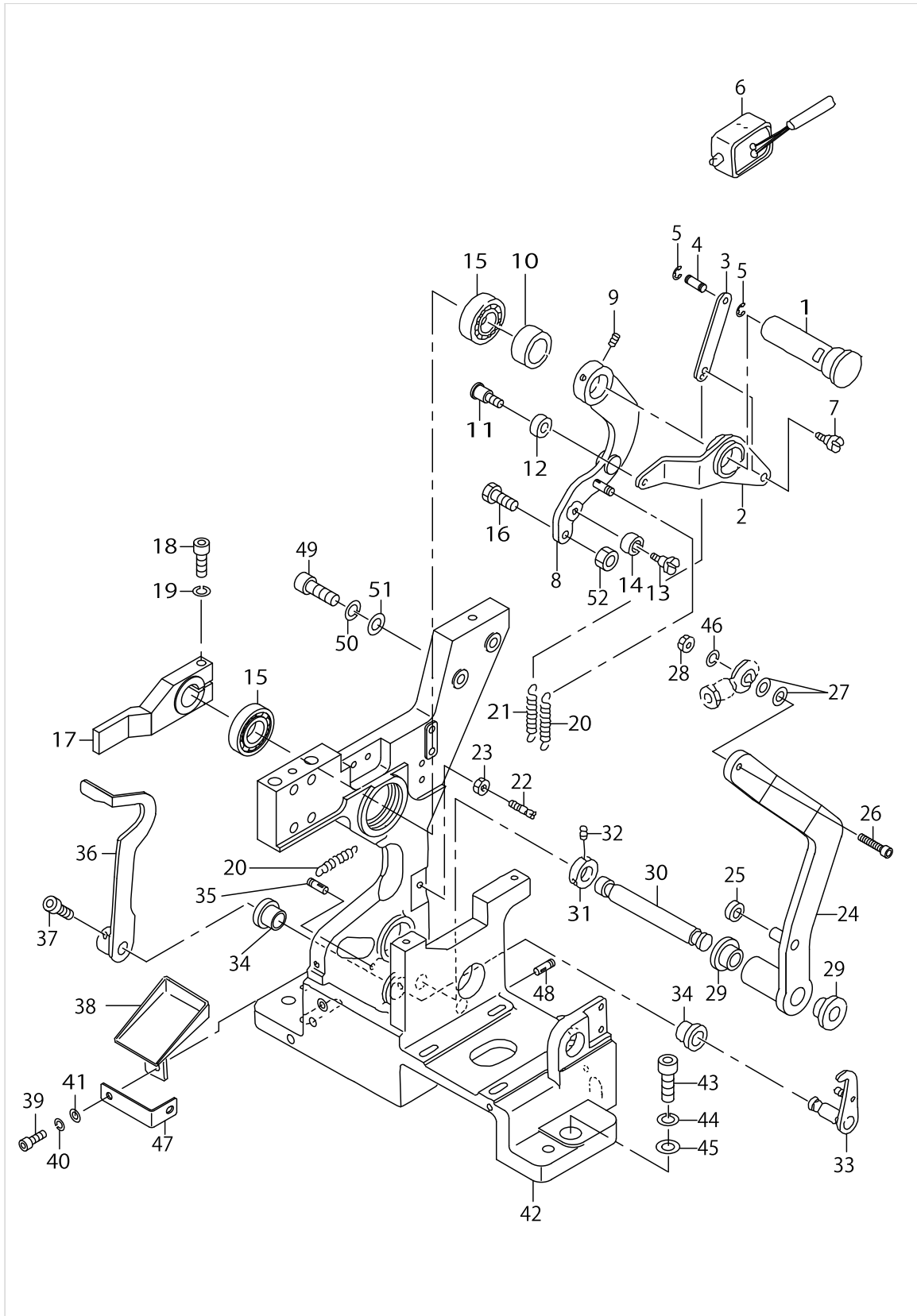
BUTTON CLAMP COMPONENTS



BUTTON CLAMP COMPONENTS

| No. | Parts No.   | Parts name                   | Remarks         | Level | Cons | Qty |
|-----|-------------|------------------------------|-----------------|-------|------|-----|
| 48  | B2548372RA0 | BUTTON CLAMP STOP LEVER ASM. |                 | *     |      | 1   |
| 49  | D2572M1YC0F | LINK SUPPORTING PLATE        |                 | *     |      | 1   |
| 50  | WP0531000SD | WASHER M5                    |                 |       |      | 2   |
| 51  | WS0410002KN | SPRING WASHER                |                 |       |      | 2   |
| 52  | SM6051602TP | SCREW M5X0.8 L=16            |                 |       |      | 1   |
| 53  | TA2100904R0 | RUBBER PLUG                  |                 |       |      | 1   |
| 54  | MAZ15601000 | GUIDE                        | FOR LK-1903-312 |       |      | 1   |
| 55  | MAZ15602000 | PRESSURE PLATE               | FOR LK-1903-312 |       |      | 1   |
| 56  | WP0612516SD | WASHER 6.1X15.2X2.5          |                 |       |      | 1   |
| 57  | 13811906    | ACCEPT PLATE, UPPER          |                 |       |      | 1   |
| 58  | 13812003    | PRESSURE SPRING              |                 |       |      | 1   |
| 59  | B3125012000 | THREAD TENSION NUT           |                 |       |      | 2   |
| 60  | D2527232D00 | SLEEVE                       |                 |       |      | 1   |
| 61  | 18227603    | HOOK                         |                 |       |      | 1   |
| 62  | 18200709    | BUTTON GAUGE FOR FOUR HOLES  |                 |       |      | 1   |
| 63  | SM6030602TP | SCREW M3X0.5 L=6             |                 |       |      | 1   |
| 64  | SS9151120CP | SCREW 15/64-28 L=11          |                 |       |      | 2   |
| 65  | WP0612516SD | WASHER 6.1X15.2X2.5          |                 |       |      | 2   |
| 66  | SM6041202TP | SCREW M4X0.7 L=12            |                 |       |      | 2   |
| 67  | GBR25004000 | HOLDER BRACKET               |                 |       |      | 1   |
| 68  | 18209007    | HOOK HOLDER                  |                 |       |      | 1   |
| 69  | 14146906    | ADJUSTING SHAFT              |                 |       |      | 1   |
| 70  | SS7110840SP | SCREW 11/64-40 L=7.8         |                 |       |      | 2   |
| 71  | SS9110543CP | SCREW 11/64-40 L=5.3         |                 |       |      | 1   |
| 72  | SM6061202TP | SCREW M6 L=12                |                 |       |      | 1   |
| 73  | WP0501016SD | WASHER 5X10.5X1              |                 |       |      | 1   |
| 74  | GBR25003000 | LIFTING ACTUATING PLATE      |                 |       |      | 1   |
| 75  | SM6051202TP | SCREW M5X0.8 L=12            |                 |       |      | 2   |
| 76  | WS0510002KP | SPRING WASHER 5.1X9.2X1.3    |                 |       |      | 3   |

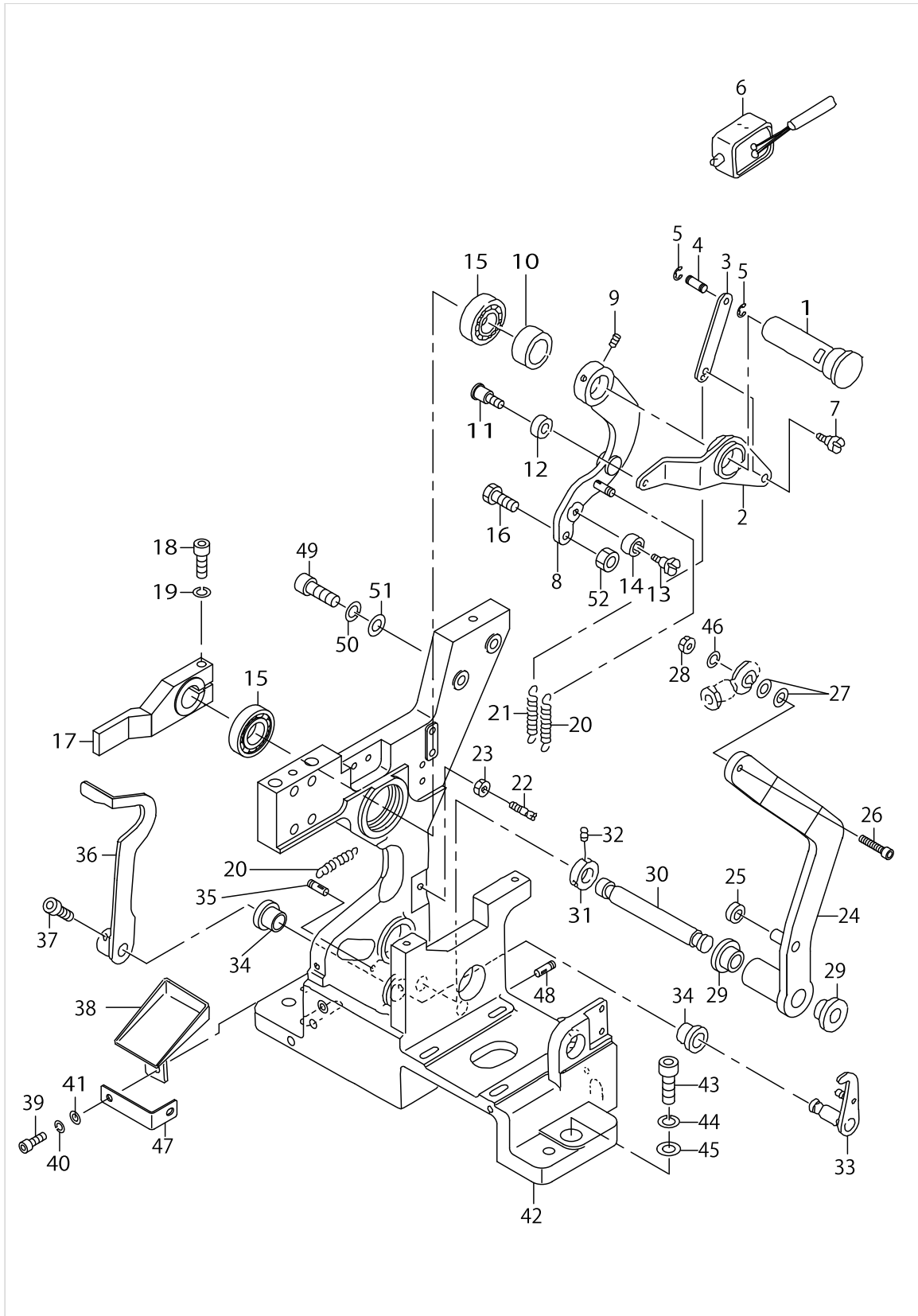
FINE POSITIN OF BUTTONS COMPONENTS (1)



## FINE POSITIN OF BUTTONS COMPONENTS (1)

| No. | Parts No.   | Parts name                 | Remarks | Level | Cons | Qty |
|-----|-------------|----------------------------|---------|-------|------|-----|
| 1   | 16552507    | ARM SHAFT                  |         |       |      | 1   |
| 2   | 18219709    | RUBBING UP-AND-DOWN LEVER  |         |       |      | 1   |
| 3   | 18218206    | RUBBING UP-AND-DOWN LINK   |         |       |      | 1   |
| 4   | 16557209    | PIN                        |         |       |      | 1   |
| 5   | RE0200000K0 | E-RING                     |         |       |      | 2   |
| 6   | GBR10852000 | MAGNET                     |         |       |      | 1   |
| 7   | SD0600341TP | HINGE SCREW D=6.0 H=3.4    |         |       |      | 1   |
| 8   | 18227850    | UP AND DOWN LEVER ASM.     |         |       |      | 1   |
| 9   | SM8050602TP | SCREW M5 L=6               |         |       |      | 2   |
| 10  | 16552606    | THRUST COLLAR              |         |       |      | 1   |
| 11  | SD0600401TP | HINGE SCREW D= 6 H= 4      |         |       |      | 1   |
| 12  | 18219808    | RUBBING ROLLER             |         |       |      | 1   |
| 13  | SD0601021SP | HINGE SCREW D=6 H=10.2     |         |       |      | 1   |
| 14  | 16556706    | BEARING                    |         |       |      | 1   |
| 15  | SB115000400 | RADIAL BEARING             |         |       |      | 2   |
| 16  | SM6063002TP | SCREW M6 L=30              |         |       |      | 1   |
| 17  | 18207902    | UP AND DOWN ARM            |         |       |      | 1   |
| 18  | SM6052502TP | SCREW M5X0.8 L=25          |         |       |      | 1   |
| 19  | WS0510002KN | SPRING WASHER              |         |       |      | 1   |
| 20  | 16554008    | SPRING                     |         |       |      | 2   |
| 21  | 16553208    | SPRING                     |         |       |      | 1   |
| 22  | 16553307    | HOOK                       |         |       |      | 1   |
| 23  | NM6050001SC | NUT M5                     |         |       |      | 1   |
| 24  | 18206706    | TURNING LEVER              |         |       |      | 1   |
| 25  | 16556805    | COLLAR                     |         |       |      | 1   |
| 26  | SM6042002TP | SCREW M4X0.7 L=20          |         |       |      | 1   |
| 27  | WP0430800SC | WASHER M4                  |         |       |      | 2   |
| 28  | NM6040001SC | NUT M4                     |         |       |      | 1   |
| 29  | 16557506    | LEVER SHAFT METAL          |         |       |      | 2   |
| 30  | 16554503    | SHAFT                      |         |       |      | 1   |
| 31  | 16559007    | BASE A (BR-10)             |         |       |      | 1   |
| 32  | SM8040602TP | SCREW M4X0.7 L=6           |         |       |      | 2   |
| 33  | 18217752    | CLAMP RELEASE ASM.         |         |       |      | 1   |
| 34  | 16557605    | SHAFT BUSHING              |         |       |      | 2   |
| 35  | 18219006    | DW PIN 4*14                |         |       |      | 1   |
| 36  | 18206904    | CLAMP RELEASE ARM          |         |       |      | 1   |
| 37  | SM6050802TP | SCREW M5X0.8 L=8           |         |       |      | 2   |
| 38  | 16550105    | SUPPORT PLATE              |         |       |      | 1   |
| 39  | SM6040802TR | SCREW M4X0.7 L=8           |         |       |      | 1   |
| 40  | WS0410002KN | SPRING WASHER              |         |       |      | 1   |
| 41  | WP0430800SC | WASHER M4                  |         |       |      | 1   |
| 42  | 18227702    | MAIN BODY                  |         |       |      | 1   |
| 43  | SM6063002TP | SCREW M6 L=30              |         |       |      | 3   |
| 44  | WS0610002KN | SPRING WASHER 6.1X12.2X1.5 |         |       |      | 3   |
| 45  | 16559601    | WASHER                     |         |       |      | 3   |
| 46  | WS0410002KN | SPRING WASHER              |         |       |      | 1   |
| 47  | GBR25005000 | CAM FIXING PLATE           |         |       |      | 1   |

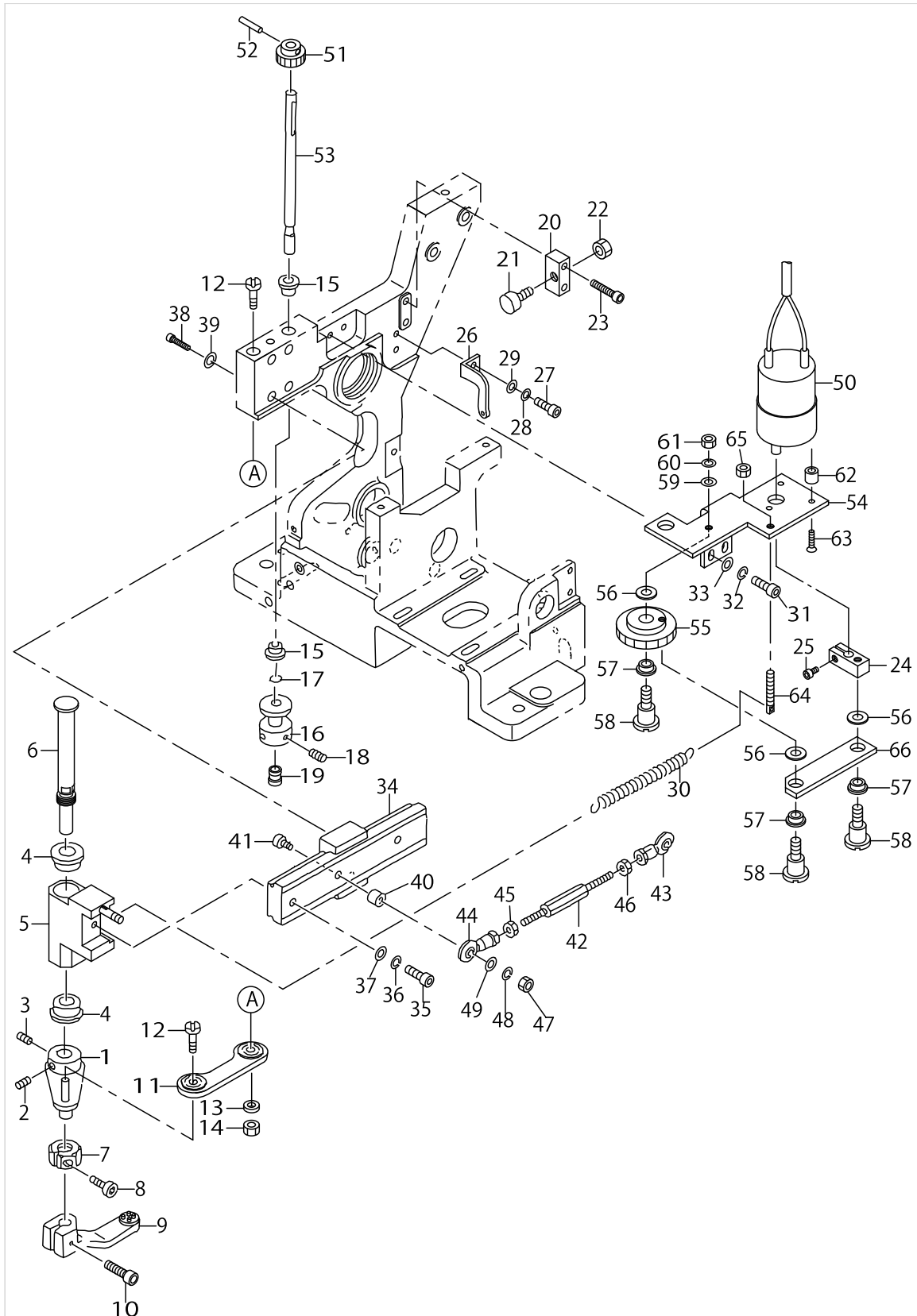
FINE POSITIN OF BUTTONS COMPONENTS (1)



FINE POSITIN OF BUTTONS COMPONENTS (1)

| No. | Parts No.   | Parts name       | Remarks | Level | Cons | Qty |
|-----|-------------|------------------|---------|-------|------|-----|
| 48  | SM8050502TP | SCREW M5 L=5     |         |       |      | 1   |
| 49  | SM6031402TP | SCREW            |         |       |      | 2   |
| 50  | WS0310002KN | SPRING WASHER M3 |         |       |      | 2   |
| 51  | WP0320500SC | WASHER M3        |         |       |      | 2   |
| 52  | 18219402    | M6 NUT           |         |       |      | 1   |

FINE POSITIN OF BUTTONS COMPONENTS (2)

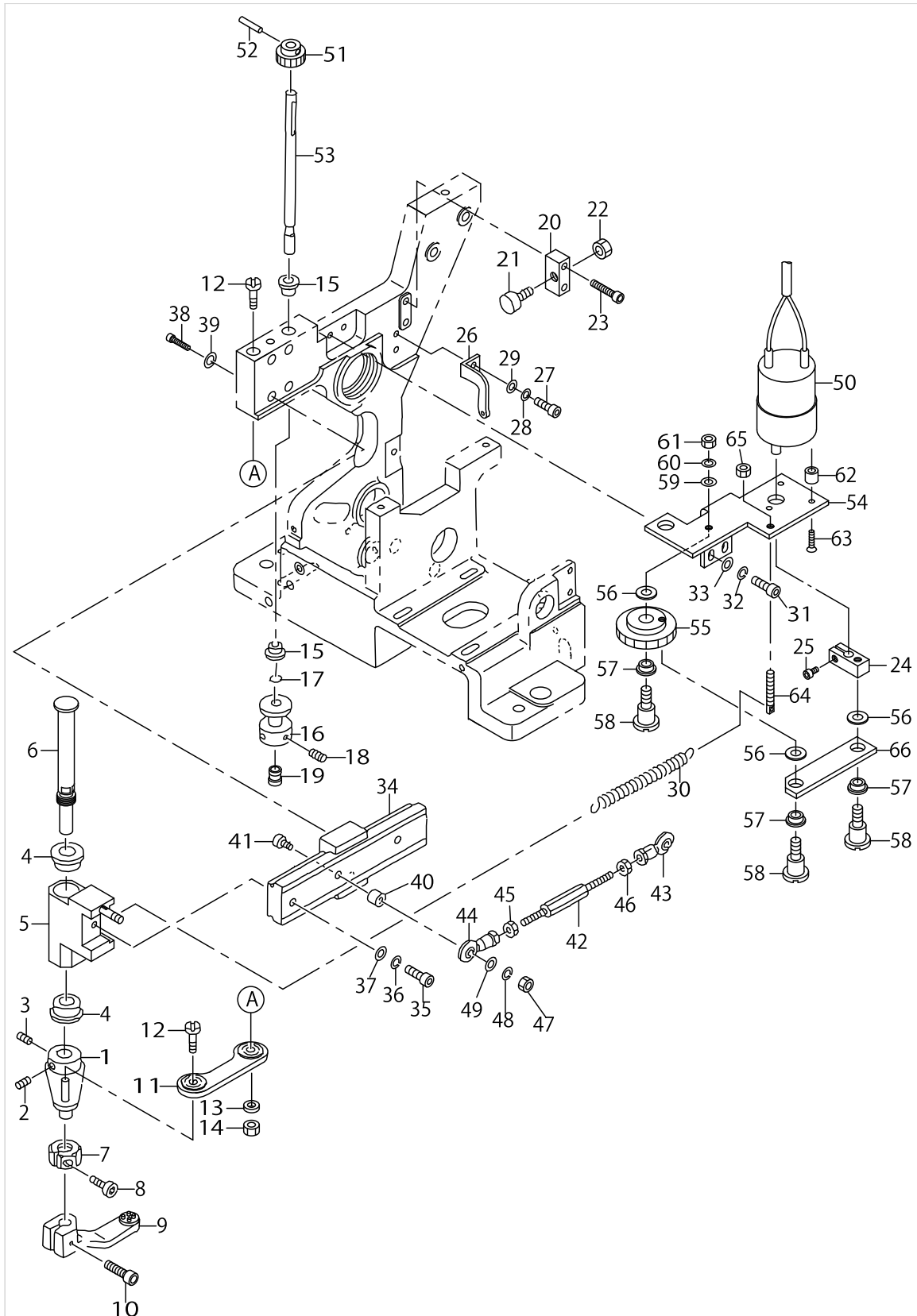


## FINE POSITIN OF BUTTONS COMPONENTS (2)

| No. | Parts No.   | Parts name              | Remarks | Level | Cons | Qty |
|-----|-------------|-------------------------|---------|-------|------|-----|
| 1   | 18206003    | TURNING LEVER BOSS      |         |       |      | 1   |
| 2   | SM8050602TP | SCREW M5 L=6            |         |       |      | 1   |
| 3   | SM8050502TP | SCREW M5 L=5            |         |       |      | 1   |
| 4   | 16557407    | ARM SHAFT METAL         |         |       |      | 2   |
| 5   | 18227959    | TURNING HEAD ASM.       |         |       |      | 1   |
| 6   | 18205906    | TURNING SHAFT           |         |       |      | 1   |
| 7   | 18206409    | STOPPER                 |         |       |      | 1   |
| 8   | SM6031202TP | SCREW M3X0.5 L=12       |         |       |      | 1   |
| 9   | 16557902    | BUTTON CARRIER A        |         |       |      | 1   |
| 10  | SM6051802TP | SCREW M5 L=18           |         |       |      | 1   |
| 11  | 18206656    | CONNECTING PLATE ASM.   |         |       |      | 1   |
| 12  | 18205708    | SCREW                   |         |       |      | 2   |
| 13  | WS0510002KS | SPRING WASHER M5        |         |       |      | 1   |
| 14  | NM6050001SC | NUT M5                  |         |       |      | 1   |
| 15  | 16557308    | METAL                   |         |       |      | 2   |
| 16  | 16551905    | HOOK                    |         |       |      | 1   |
| 17  | 16558801    | O-RING                  |         |       |      | 1   |
| 18  | SM8040602TP | SCREW M4X0.7 L=6        |         |       |      | 2   |
| 19  | 18200501    | WORK ATTACHMENT (SMALL) |         |       |      | 1   |
| 20  | 18218800    | STOPPER HOLDER          |         |       |      | 1   |
| 21  | 16552309    | STOPPER                 |         |       |      | 1   |
| 22  | NM6040001SC | NUT M4                  |         |       |      | 1   |
| 23  | SM6042002TP | SCREW M4X0.7 L=20       |         |       |      | 2   |
| 24  | GBR11112000 | DRIVING ARM             |         |       |      | 1   |
| 25  | SM6030602TP | SCREW M3X0.5 L=6        |         |       |      | 1   |
| 26  | 18205401    | SPRING HOOK             |         |       |      | 1   |
| 27  | SM6040802TR | SCREW M4X0.7 L=8        |         |       |      | 2   |
| 28  | WS0410002KN | SPRING WASHER           |         |       |      | 2   |
| 29  | WP0430800SC | WASHER M4               |         |       |      | 2   |
| 30  | 16551806    | SPRING                  |         |       |      | 1   |
| 31  | SM6041002TP | SCREW M4 L=10           |         |       |      | 2   |
| 32  | WS0410002KN | SPRING WASHER           |         |       |      | 2   |
| 33  | WP0430800SC | WASHER M4               |         |       |      | 2   |
| 34  | 16556607    | LM GUIDE                |         |       |      | 1   |
| 35  | SM6041402TP | SCREW M4 L=14           |         |       |      | 1   |
| 36  | WS0410002KN | SPRING WASHER           |         |       |      | 1   |
| 37  | WP0430800SC | WASHER M4               |         |       |      | 1   |
| 38  | SM6031402TP | SCREW                   |         |       |      | 4   |
| 39  | WS0310002KN | SPRING WASHER M3        |         |       |      | 4   |
| 40  | 16550402    | COLLAR B                |         |       |      | 1   |
| 41  | SM6042502TP | SCREW M4X0.7 L=25       |         |       |      | 1   |
| 42  | 16550204    | CONNECTING ROD          |         |       |      | 1   |
| 43  | 16556409    | ROD END                 |         |       |      | 1   |
| 44  | 16556300    | ROD END                 |         |       |      | 1   |
| 45  | NM6040001SC | NUT M4                  |         |       |      | 1   |
| 46  | GBR01175000 | ROD END NUT, LEFT       |         |       |      | 1   |
| 47  | NM6040001SC | NUT M4                  |         |       |      | 1   |



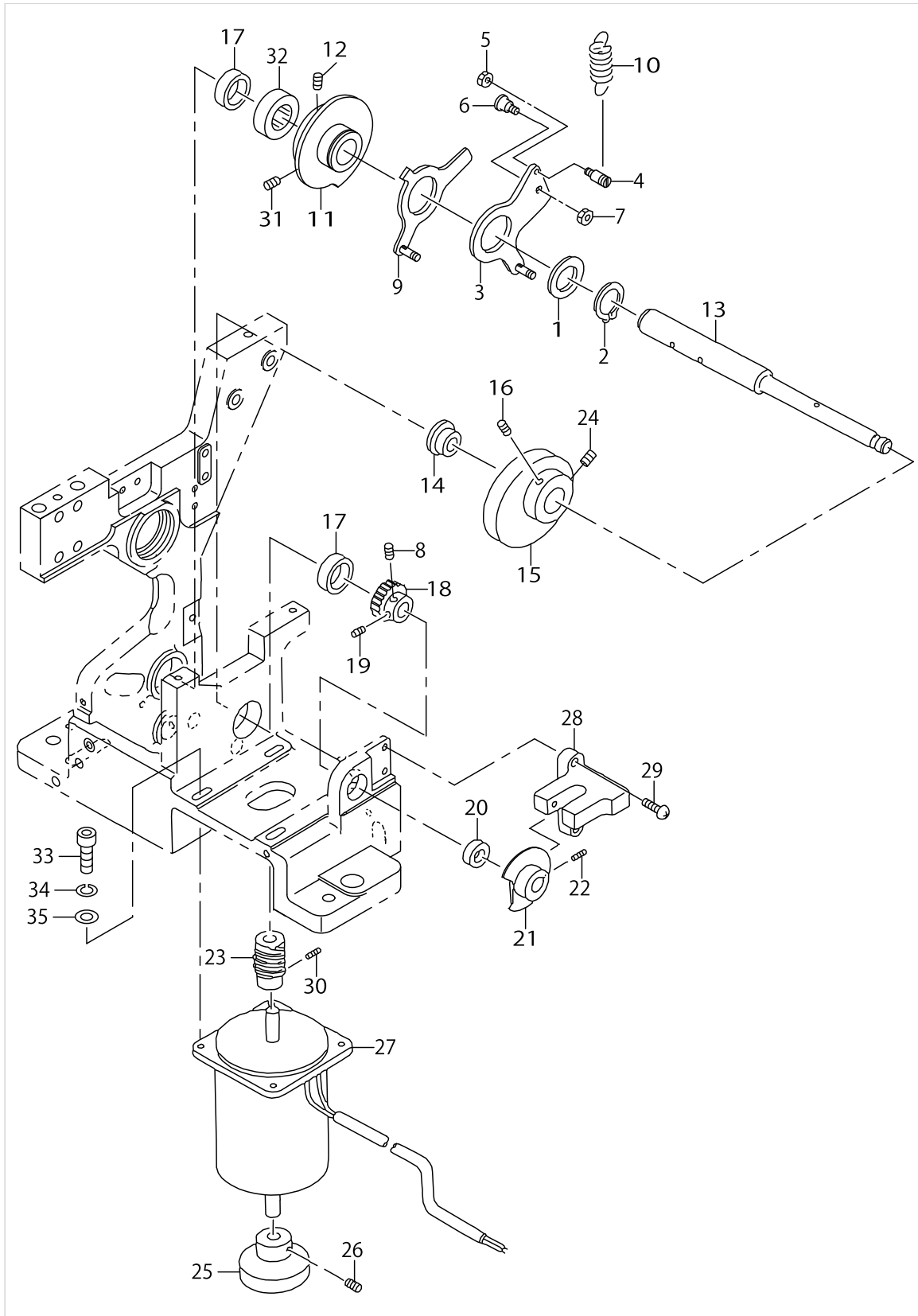
FINE POSITIN OF BUTTONS COMPONENTS (2)



## FINE POSITIN OF BUTTONS COMPONENTS (2)

| No. | Parts No.   | Parts name                     | Remarks | Level | Cons | Qty |
|-----|-------------|--------------------------------|---------|-------|------|-----|
| 48  | WS0410002KN | SPRING WASHER                  |         |       |      | 1   |
| 49  | WP0430800SC | WASHER M4                      |         |       |      | 1   |
| 50  | GBR108550A0 | DC MOTOR ASM.                  |         |       |      | 1   |
| 51  | GBR11110000 | PINION, A                      |         |       |      | 1   |
| 52  | PH0300125S0 | PIN                            |         |       |      | 1   |
| 53  | 18206201    | ROTATING ROD                   |         |       |      | 1   |
| 54  | GBR11109000 | BRACKET                        |         |       |      | 1   |
| 55  | GBR11111000 | PINION, B                      |         |       |      | 1   |
| 56  | GBR11114000 | WASHER                         |         |       |      | 3   |
| 57  | E5006171000 | PS BEARING                     |         |       |      | 3   |
| 58  | SD0600651TP | HINGE SCREW                    |         |       |      | 3   |
| 59  | WP0430801SC | WASHER 4.3X9X0.8               |         |       |      | 1   |
| 60  | WS0410002KN | SPRING WASHER                  |         |       |      | 1   |
| 61  | NS6110360SP | NUT                            |         |       |      | 1   |
| 62  | 11110707    | WIPER HINGE SCREW COLLAR       |         |       |      | 3   |
| 63  | SM1031401SC | SCREW M3X0.5 L=14              |         |       |      | 3   |
| 64  | B1649161000 | TENSION SPRING ADJUSTING SCREW |         |       |      | 1   |
| 65  | NS6110360SP | NUT                            |         |       |      | 1   |
| 66  | GBR11113000 | LINK                           |         |       |      | 1   |

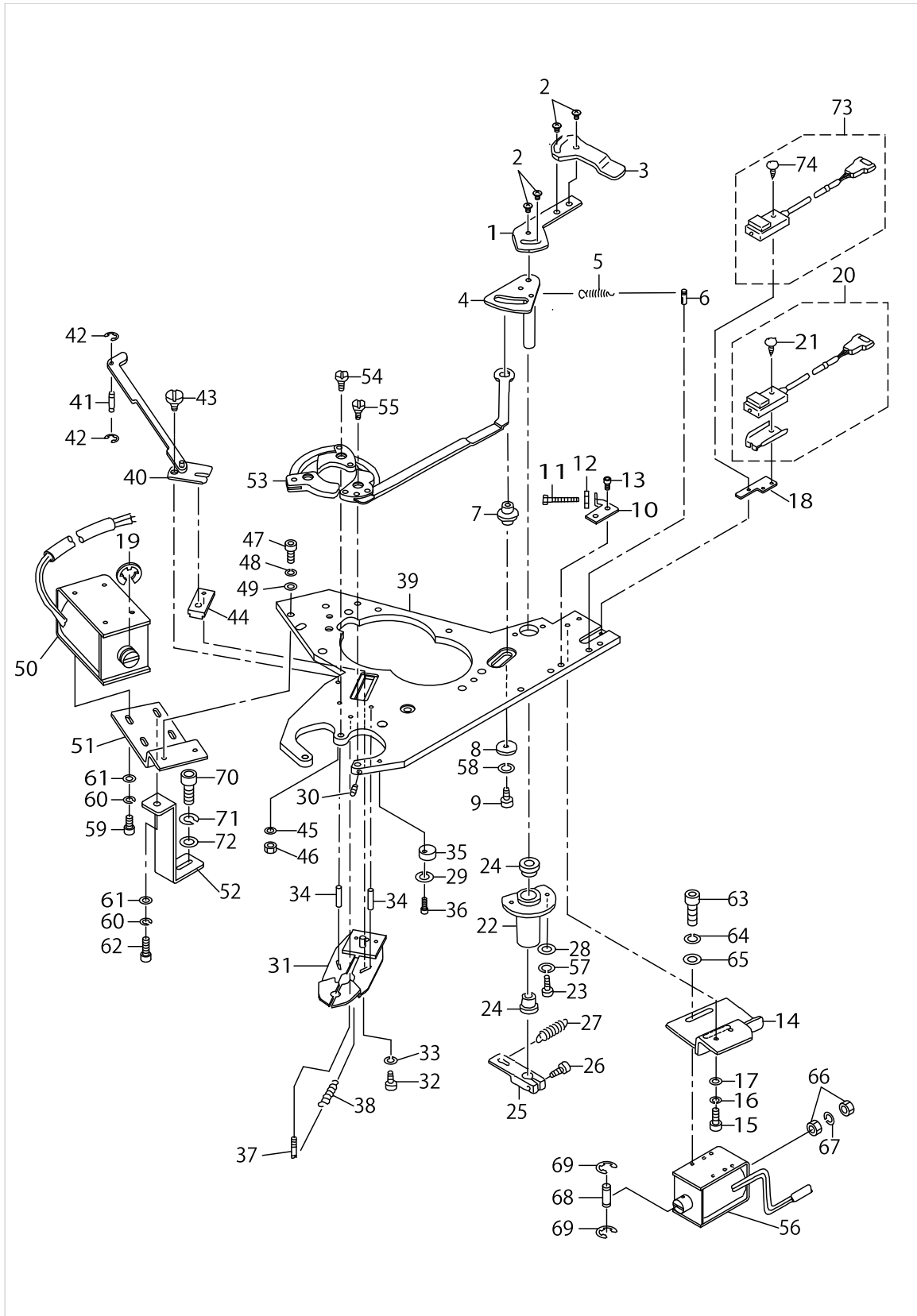
DRIVE CAM COMPONENTS



DRIVE CAM COMPONENTS

| No. | Parts No.   | Parts name                   | Remarks | Level | Cons | Qty |
|-----|-------------|------------------------------|---------|-------|------|-----|
| 1   | GBR01120000 | COLLAR                       |         |       |      | 1   |
| 2   | RC2500001KP | RETAINING RING 25            |         |       |      | 1   |
| 3   | 18217950    | START TIMING CAM ASM.        |         |       |      | 1   |
| 4   | 16562803    | HOOK                         |         |       |      | 1   |
| 5   | NM6040001SC | NUT M4                       |         |       |      | 1   |
| 6   | 16562902    | HINGE SCREW                  |         |       |      | 1   |
| 7   | NM6050001SC | NUT M5                       |         |       |      | 1   |
| 8   | SM8050602TP | SCREW M5 L=6                 |         |       |      | 1   |
| 9   | 18227553    | HOLDING CLAMP DRIVE CAM ASM. |         |       |      | 1   |
| 10  | B1426771000 | SPRING                       |         |       |      | 1   |
| 11  | 18207209    | DOUBLE CAM                   |         |       |      | 1   |
| 12  | SM8050612TP | SCREW M5X6                   |         |       |      | 1   |
| 13  | 18207506    | CAM SHAFT                    |         |       |      | 1   |
| 14  | 16560104    | CAM SHAFT COLLAR 1           |         |       |      | 1   |
| 15  | 16561607    | SPINNER OSCILLATING ARM CAM  |         |       |      | 1   |
| 16  | SM8050812TP | SCREW M5X8                   |         |       |      | 1   |
| 17  | GBR01168000 | NEEDLE BEARING 3             |         |       |      | 2   |
| 18  | 16562001    | WORM WHEEL                   |         |       |      | 1   |
| 19  | 16562407    | SCREW                        |         |       |      | 1   |
| 20  | 16562308    | NEEDLE BEARING               |         |       |      | 1   |
| 21  | 16560302    | SENSOR DOCK                  |         |       |      | 1   |
| 22  | SM8040602TP | SCREW M4X0.7 L=6             |         |       |      | 1   |
| 23  | 16562100    | WORM GEAR                    |         |       |      | 1   |
| 24  | SM8050842TP | SETSCREW                     |         |       |      | 1   |
| 25  | 16561904    | MOTOR KNOB                   |         |       |      | 1   |
| 26  | SM8050602TP | SCREW M5 L=6                 |         |       |      | 1   |
| 27  | GBR108590A0 | DC MOTOR ASM.                |         |       |      | 1   |
| 28  | HD000360000 | PHOTO MICRO SENSOR           |         |       |      | 1   |
| 29  | SL4031081SC | SCREW M3 X 10                |         |       |      | 2   |
| 30  | SM8040402TP | SCREW M4X0.7 L=4             |         |       |      | 2   |
| 31  | SM8050842TP | SETSCREW                     |         |       |      | 1   |
| 32  | 16560203    | CAM SHAFT COLLAR 2           |         |       |      | 1   |
| 33  | SM6062002TP | SCREW M6 L=20                |         |       |      | 4   |
| 34  | WS0610002KN | SPRING WASHER 6.1X12.2X1.5   |         |       |      | 4   |
| 35  | WP0641600SC | WASHEW 6.4X12.5X1.6          |         |       |      | 4   |

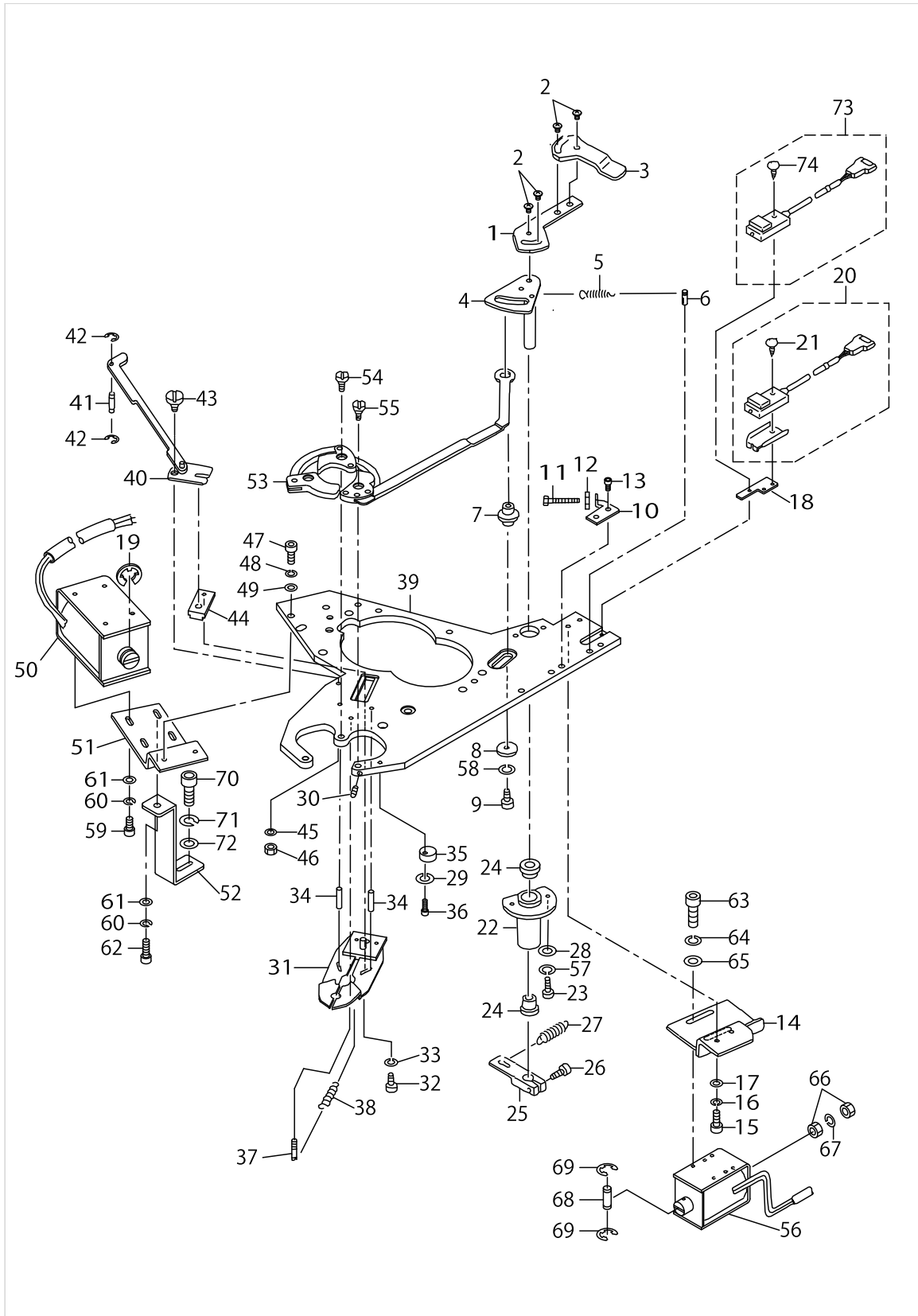
INDEX COMPONENTS (1)



INDEX COMPONENTS (1)

| No. | Parts No.   | Parts name                 | Remarks | Level | Cons | Qty |
|-----|-------------|----------------------------|---------|-------|------|-----|
| 1   | 16566507    | CHECK DOG                  |         |       |      | 1   |
| 2   | SM0040601SC | SCREW M4X0.7 L=6           |         |       |      | 4   |
| 3   | 16574105    | DOG                        |         |       |      | 1   |
| 4   | 16566002    | SPINNER CAM                |         |       |      | 1   |
| 5   | 16553208    | SPRING                     |         |       |      | 1   |
| 6   | 18218909    | DW PIN 4*12                |         |       |      | 1   |
| 7   | 16565707    | SHAFT (1)                  |         |       |      | 1   |
| 8   | B2107816000 | WASHER                     |         |       |      | 1   |
| 9   | SM6041002TP | SCREW M4 L=10              |         |       |      | 1   |
| 10  | 16566606    | STOPPER BKT                |         |       |      | 1   |
| 11  | SM8042502TP | SCREW M4X0.7 L=25          |         |       |      | 1   |
| 12  | NM6040001SC | NUT M4                     |         |       |      | 1   |
| 13  | SM6040802TR | SCREW M4X0.7 L=8           |         |       |      | 2   |
| 14  | 16567000    | BRACKET (1)                |         |       |      | 1   |
| 15  | SM6041002TP | SCREW M4 L=10              |         |       |      | 2   |
| 16  | WS0410002KN | SPRING WASHER              |         |       |      | 2   |
| 17  | WP0430800SC | WASHER M4                  |         |       |      | 2   |
| 18  | 16574006    | BRACKET                    |         |       |      | 1   |
| 19  | RE1200000K0 | E-RING 12                  |         |       |      | 1   |
| 20  | GBR108430A0 | RUB COMPLETION SWITCH ASM. |         |       |      | 1   |
| 21  | SM0861201SA | SCREW                      |         | *     |      | 1   |
| 22  | 16565905    | CUPLING                    |         |       |      | 1   |
| 23  | SM6041002TP | SCREW M4 L=10              |         |       |      | 2   |
| 24  | 16572406    | METAL                      |         |       |      | 2   |
| 25  | 16566408    | LINK LEVER                 |         |       |      | 1   |
| 26  | SM6041202TP | SCREW M4X0.7 L=12          |         |       |      | 1   |
| 27  | 18201608    | SPRING, 2                  |         |       |      | 1   |
| 28  | WP0430800SC | WASHER M4                  |         |       |      | 2   |
| 29  | WP0430800SC | WASHER M4                  |         |       |      | 1   |
| 30  | SM8030402TP | SCREW M3X0.5 L=4           |         |       |      | 1   |
| 31  | 16567166    | SHUTTER PLATE ASM.         |         |       |      | 1   |
| 32  | SM6041202TP | SCREW M4X0.7 L=12          |         |       |      | 1   |
| 33  | WS0410002KN | SPRING WASHER              |         |       |      | 1   |
| 34  | 18204107    | PIN                        |         |       |      | 2   |
| 35  | 18209502    | ECCENTRIC STOPPER          |         |       |      | 1   |
| 36  | SM6041202TP | SCREW M4X0.7 L=12          |         |       |      | 1   |
| 37  | 18219204    | DW PIN 4*18                |         |       |      | 1   |
| 38  | 16554008    | SPRING                     |         |       |      | 1   |
| 39  | 18217505    | TOP PLATE                  |         |       |      | 1   |
| 40  | 16567802    | LINK PLATE                 |         |       |      | 1   |
| 41  | 16572505    | PIN                        |         |       |      | 1   |
| 42  | RE0250000K0 | E-RING 2.5                 |         |       |      | 2   |
| 43  | 16567901    | HING SCREW                 |         |       |      | 1   |
| 44  | 16573305    | SLIDER BLOCK               |         |       |      | 1   |
| 45  | WS0410002KN | SPRING WASHER              |         |       |      | 1   |
| 46  | NM6040001SC | NUT M4                     |         |       |      | 2   |
| 47  | SM6041002TP | SCREW M4 L=10              |         |       |      | 2   |

INDEX COMPONENTS (1)

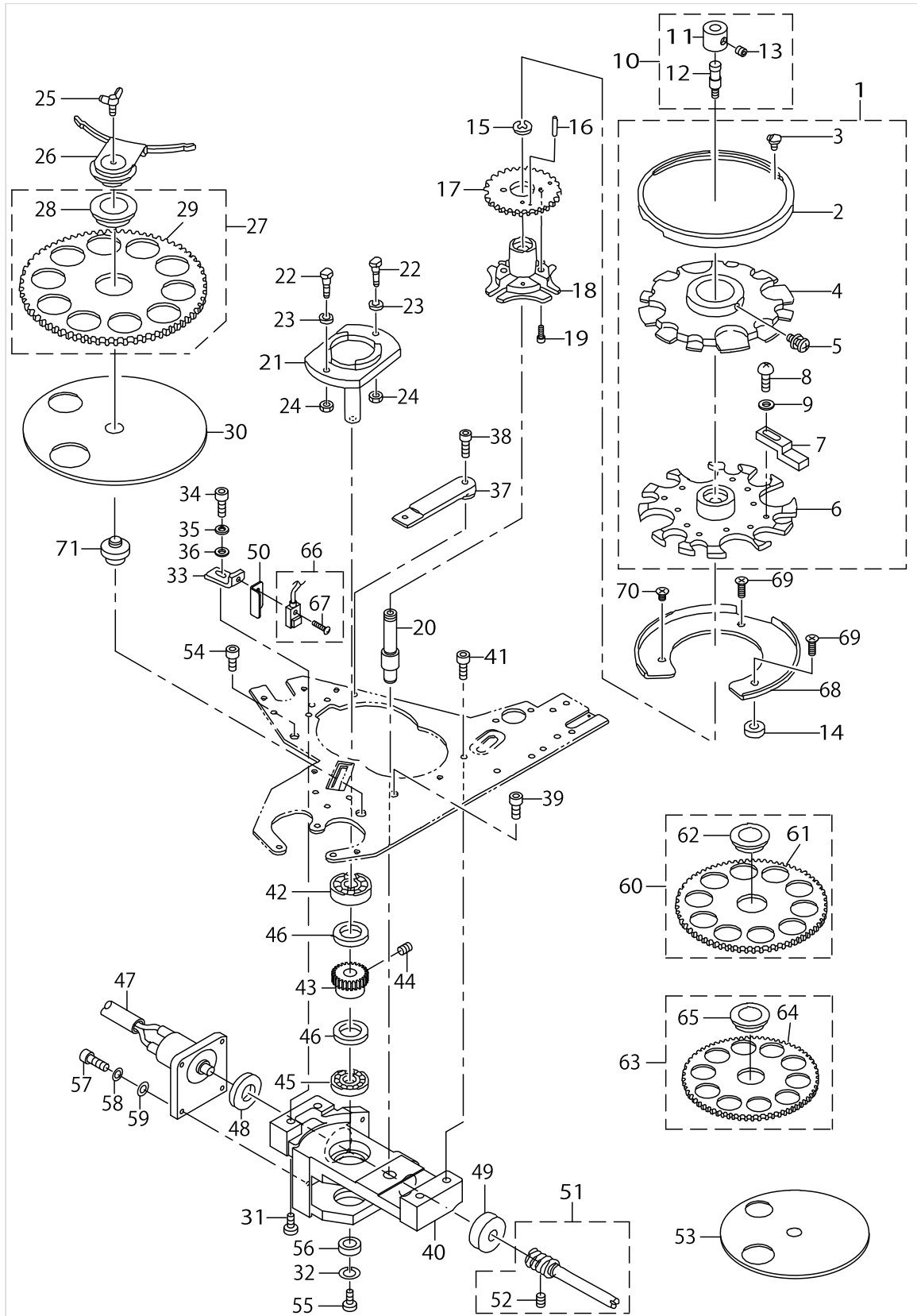


INDEX COMPONENTS (1)

| No. | Parts No.   | Parts name                 | Remarks | Level | Cons | Qty |
|-----|-------------|----------------------------|---------|-------|------|-----|
| 48  | WS0410002KN | SPRING WASHER              |         |       |      | 2   |
| 49  | WP0430800SC | WASHER M4                  |         |       |      | 2   |
| 50  | GBR10853000 | MAGNET                     |         |       |      | 1   |
| 51  | 16568206    | BRACKET (2)                |         |       |      | 1   |
| 52  | 18209403    | SUPPORT PLATE              |         |       |      | 1   |
| 53  | 18202150    | CHECK ASM., A              |         |       |      | 1   |
| 54  | 16565400    | HING PIN (2)               |         |       |      | 2   |
| 55  | 16565509    | HING PIN (1)               |         |       |      | 1   |
| 56  | GBR10854000 | MAGNET                     |         |       |      | 1   |
| 57  | WS0410002KN | SPRING WASHER              |         |       |      | 2   |
| 58  | WS0410002KN | SPRING WASHER              |         |       |      | 1   |
| 59  | SM6040802TP | SCREW M4X0.7 L=8           |         |       |      | 3   |
| 60  | WS0410002KN | SPRING WASHER              |         |       |      | 4   |
| 61  | WP0430800SC | WASHER M4                  |         |       |      | 4   |
| 62  | SM6041202TP | SCREW M4X0.7 L=12          |         |       |      | 1   |
| 63  | SM6040802TP | SCREW M4X0.7 L=8           |         |       |      | 2   |
| 64  | WS0410002KN | SPRING WASHER              |         |       |      | 2   |
| 65  | WP0430800SC | WASHER M4                  |         |       |      | 2   |
| 66  | NM6040001SC | NUT M4                     |         |       |      | 2   |
| 67  | WS0410002KN | SPRING WASHER              |         |       |      | 1   |
| 68  | 16557209    | PIN                        |         |       |      | 1   |
| 69  | RE0200000K0 | E-RING                     |         |       |      | 2   |
| 70  | SM6061602TP | SCREW M6 L=16              |         |       |      | 1   |
| 71  | WS0610002KN | SPRING WASHER 6.1X12.2X1.5 |         |       |      | 1   |
| 72  | WP0641600SC | WASHEW 6.4X12.5X1.6        |         |       |      | 1   |
| 73  | GBR108440A0 | BUTTON SENSOR SWITCH ASM.  |         |       |      | 1   |
| 74  | SM0861201SA | SCREW                      |         | *     |      | 1   |



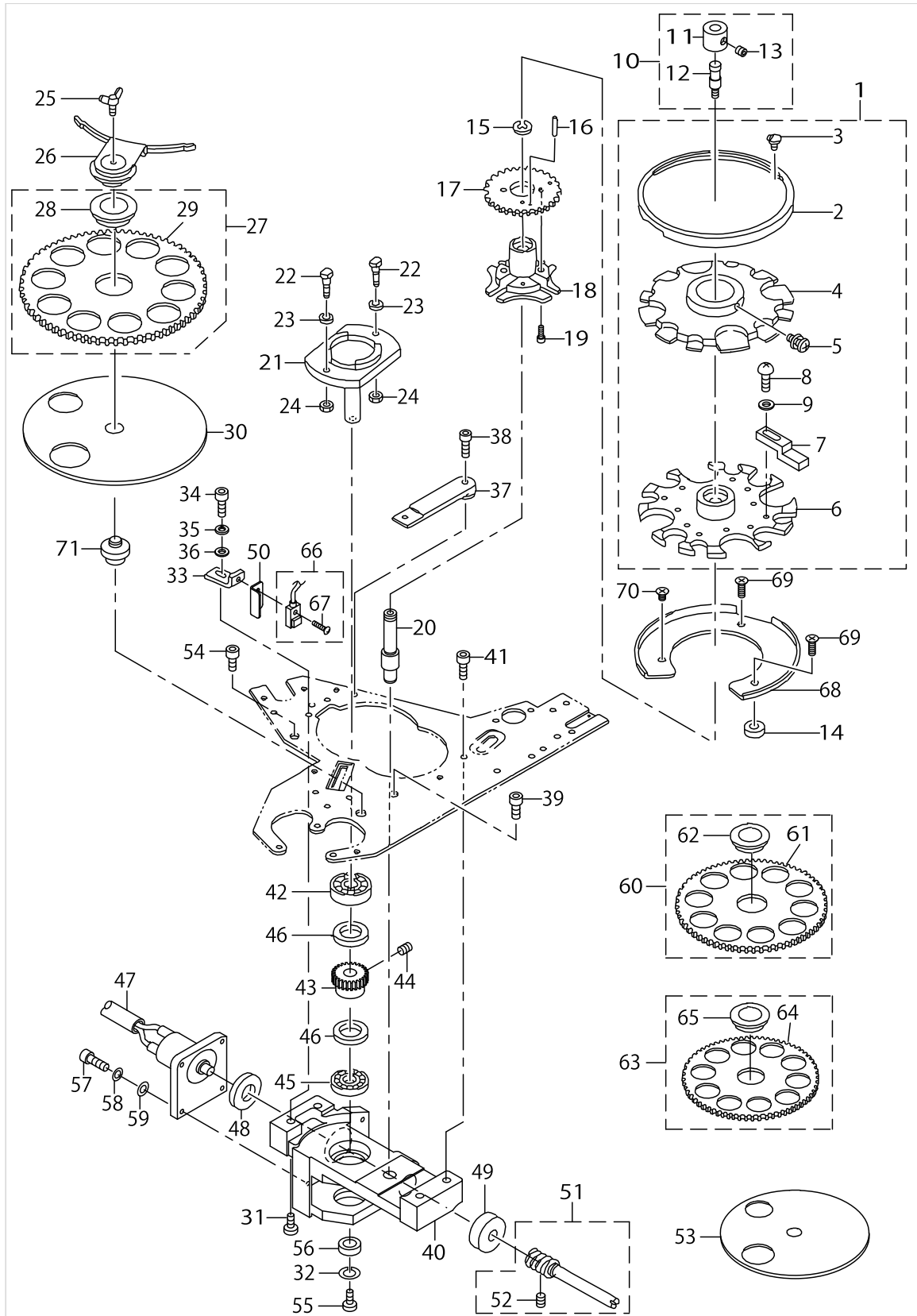
INDEX COMPONENTS (2)



INDEX COMPONENTS (2)

| No. | Parts No.   | Parts name                | Remarks                | Level | Cons | Qty |
|-----|-------------|---------------------------|------------------------|-------|------|-----|
| 1   | 18201962    | FEED ACROSS PLATE ASM. A  |                        |       |      | 1   |
| 2   | 16573701    | RING                      |                        | *     |      | 1   |
| 3   | SM0040601SC | SCREW M4X0.7 L=6          |                        | *     |      | 2   |
| 4   | 18203307    | ADJUSTING PLATE           |                        | *     |      | 1   |
| 5   | SL4030881SC | SCREW M3X8                |                        | *     |      | 1   |
| 6   | 18201905    | FEED PLATE A              |                        | *     |      | 1   |
| 7   | 18202002    | BUTTON ADJUST A           |                        | *     |      | 8   |
| 8   | SM4860501SC | SCREW M 2.6 X 5           |                        | *     |      | 8   |
| 9   | WP0280500SC | WASHER                    |                        | *     |      | 8   |
| 10  | 18213454    | LOCK SCREW ASM.           |                        |       |      | 1   |
| 11  | 18213405    | LOCK COLLAR               |                        | *     |      | 1   |
| 12  | 18213504    | LOCK SHAFT                |                        | *     |      | 1   |
| 13  | SM8050502TP | SCREW M5 L=5              |                        | *     |      | 1   |
| 14  | 16573008    | COLLAR                    |                        |       |      | 2   |
| 15  | 16571903    | CLIP                      |                        |       |      | 1   |
| 16  | PH0300185S0 | PIN                       |                        |       |      | 1   |
| 17  | 16569600    | GEAR                      |                        |       |      | 1   |
| 18  | 16569501    | GENEVA                    |                        |       |      | 1   |
| 19  | SM6030802TP | SCREW M3X0.5 L=8          |                        |       |      | 2   |
| 20  | 18219501    | DIVIDING MAIN SHAFT       |                        |       |      | 1   |
| 21  | 16570103    | WHEEL                     |                        |       |      | 1   |
| 22  | 16570202    | SCREW                     |                        |       |      | 2   |
| 23  | 16570301    | COLLAR                    |                        |       |      | 2   |
| 24  | NM6040001SC | NUT M4                    |                        |       |      | 2   |
| 25  | 18204503    | WING BOLT                 |                        |       |      | 1   |
| 26  | 16568909    | COVER CAP                 |                        |       |      | 1   |
| 27  | 18200352    | FEED PLATE CIRCLE 16 ASM. | FOR SMALL-SIZED BUTTON |       |      | 1   |
| 28  | 16572703    | METAL                     |                        | *     |      | 1   |
| 29  | 18200303    | FEED PLATE 16             |                        | *     |      | 1   |
| 30  | 16568404    | FERRULE DISC              |                        |       |      | 1   |
| 31  | SM6052002TP | SCREW M5 L=20             |                        |       |      | 1   |
| 32  | WS0410002KN | SPRING WASHER             |                        |       |      | 1   |
| 33  | 16570707    | SENSOR BRACKET            |                        |       |      | 1   |
| 34  | SM6040802TR | SCREW M4X0.7 L=8          |                        |       |      | 1   |
| 35  | WS0410002KN | SPRING WASHER             |                        |       |      | 1   |
| 36  | WP0430800SC | WASHER M4                 |                        |       |      | 1   |
| 37  | 16570905    | STAND PLATE (1)           |                        |       |      | 1   |
| 38  | SM6041202TP | SCREW M4X0.7 L=12         |                        |       |      | 1   |
| 39  | SM6051202TP | SCREW M5X0.8 L=12         |                        |       |      | 1   |
| 40  | 18219600    | GENEVA HOUSE              |                        |       |      | 1   |
| 41  | SM6051602TP | SCREW M5X0.8 L=16         |                        |       |      | 3   |
| 42  | SB110000400 | BALL BEARING              |                        |       |      | 1   |
| 43  | 16571507    | WORM WHEEL                |                        |       |      | 1   |
| 44  | SM8050842TP | SETSCREW                  |                        |       |      | 2   |
| 45  | 16571804    | BEARING A                 |                        |       |      | 1   |
| 46  | 16573909    | THRUST COLLAR             |                        |       |      | 2   |
| 47  | GBR108560A0 | DC MOTOR ASM.             |                        |       |      | 1   |

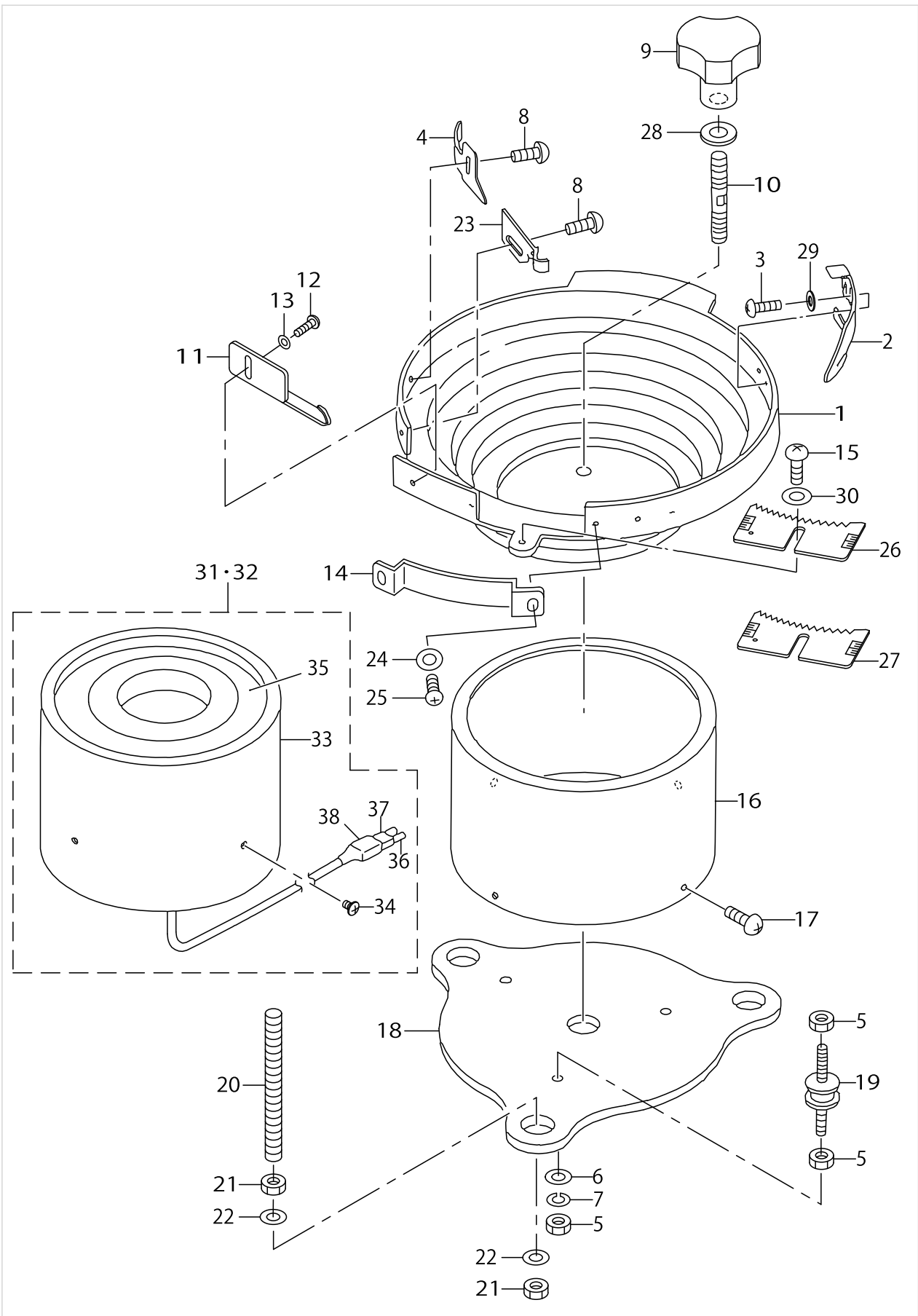
INDEX COMPONENTS (2)



INDEX COMPONENTS (2)

| No. | Parts No.   | Parts name                  | Remarks                 | Level | Cons | Qty |
|-----|-------------|-----------------------------|-------------------------|-------|------|-----|
| 48  | 16570509    | THRUST COLLAR               |                         |       |      | 1   |
| 49  | 16571408    | NEEDLE BEARING              |                         |       |      | 1   |
| 50  | 18212902    | SENSOR COVER                |                         |       |      | 1   |
| 51  | 16570657    | TURNING SHAFT ASM.          |                         |       |      | 1   |
| 52  | SM8040402TP | SCREW M4X0.7 L=4            |                         | *     |      | 2   |
| 53  | 18201103    | HOLDING PLATE (SMALL)       | SELECTIVE PART          |       |      | 1   |
| 54  | SM6051202TP | SCREW M5X0.8 L=12           |                         |       |      | 1   |
| 55  | SM6041002TP | SCREW M4 L=10               |                         |       |      | 1   |
| 56  | B2107816000 | WASHER                      |                         |       |      | 1   |
| 57  | SM6030802TP | SCREW M3X0.5 L=8            |                         |       |      | 4   |
| 58  | WS0310002KN | SPRING WASHER M3            |                         |       |      | 4   |
| 59  | WP0320500SC | WASHER M3                   |                         |       |      | 4   |
| 60  | 16568651    | FEED PLATE 22B ASM.         | FOR MEDIUM-SIZED BUTTON |       |      | 1   |
| 61  | 16568602    | FEED PLATE 22B              | FOR MEDIUM-SIZED BUTTON | *     |      | 1   |
| 62  | 16572703    | METAL                       |                         | *     |      | 1   |
| 63  | 18200956    | FEED PLATE CIRCLE 13.5 ASM. | SELECTIVE PART          |       |      | 1   |
| 64  | 18200907    | FEED PLATE 12.5             | SELECTIVE PART          | *     |      | 1   |
| 65  | 16572703    | METAL                       |                         | *     |      | 1   |
| 66  | GBR108450A0 | INDEX STARTING SWITCH ASM.  |                         |       |      | 1   |
| 67  | SM0861201SA | SCREW                       |                         | *     |      | 1   |
| 68  | 16569204    | REST                        |                         |       |      | 1   |
| 69  | SM1041201SC | SCREW M4 L=12               |                         |       |      | 2   |
| 70  | SM1040601SC | SCREW M4X0.7 L=6            |                         |       |      | 1   |
| 71  | 18218008    | SHAFT (2)                   |                         |       |      | 1   |

FEEDER BALL COMPONENTS



FEEDER BALL COMPONENTS

| No. | Parts No.   | Parts name                     | Remarks                         | Level | Cons | Qty |
|-----|-------------|--------------------------------|---------------------------------|-------|------|-----|
| 1   | 16577009    | FEEDER BOWL                    |                                 |       |      | 1   |
| 2   | GBR01426000 | GUIDE PLATE                    |                                 |       |      | 1   |
| 3   | SS4110815SP | SCREW 11/64-40 L=8             |                                 |       |      | 2   |
| 4   | GBR01441000 | BUTTON STANDING PREVENT PLATE  |                                 |       |      | 1   |
| 5   | NM6060001SC | NUT M6                         |                                 |       |      | 9   |
| 6   | WP0641600SC | WASHEW 6.4X12.5X1.6            |                                 |       |      | 3   |
| 7   | WS0610002KN | SPRING WASHER 6.1X12.2X1.5     |                                 |       |      | 3   |
| 8   | SM0041001SN | SCREW M4 L=10                  |                                 |       |      | 2   |
| 9   | 18204602    | BOWL FIXING KNOB               |                                 |       |      | 1   |
| 10  | GBR01432000 | BOWL FIXING SCREW              |                                 |       |      | 1   |
| 11  | 16577504    | SELECTOR PLATE                 |                                 |       |      | 1   |
| 12  | SM4040801SN | SCREW M4 L=8                   |                                 |       |      | 1   |
| 13  | WP0430800SC | WASHER M4                      |                                 |       |      | 1   |
| 14  | GBR01428000 | GUIDE PLATE                    |                                 |       |      | 1   |
| 15  | SM4051001SN | SCREW M5                       |                                 |       |      | 1   |
| 16  | 16577207    | P/F COVER                      |                                 |       |      | 1   |
| 17  | SM0040601SC | SCREW M4X0.7 L=6               |                                 |       |      | 4   |
| 18  | 16577108    | P/F INSTALLING BASE            |                                 |       |      | 1   |
| 19  | 16579203    | RUBBER VIBRATION INSULATOR     |                                 |       |      | 3   |
| 20  | 16577306    | MOUNTING BOLT                  |                                 |       |      | 3   |
| 21  | NM6080001SC | NUT M8X1.25                    |                                 |       |      | 6   |
| 22  | 16577405    | WASHER                         |                                 |       |      | 6   |
| 23  | 18202408    | BUTTON GUIDE A                 |                                 |       |      | 1   |
| 24  | WP0320500SC | WASHER M3                      |                                 |       |      | 2   |
| 25  | SM4030601SN | SCREW M3 X 6                   |                                 |       |      | 2   |
| 26  | GBR014220A0 | SELECTION PLATE ASM. (SMALL)   |                                 |       |      | 1   |
| 27  | 18251553    | SELECTION PLATE ASM. (VERY SMA | SELECTIVE PART                  |       |      | 1   |
| 28  | WP0841601SC | WASHER 8.4X17.4X1.6            |                                 |       |      | 1   |
| 29  | WP0450801SD | WASHER 4.5X10X0.8              |                                 |       |      | 2   |
| 30  | WP0531000SC | WASHER 5.3X10X1                |                                 |       |      | 1   |
| 31  | GBR107910A0 | PARTS FEEDER ALL ASM.          | FOR JAPAN AND<br>GENERAL EXPORT |       |      | 1   |
| 32  | GBR107910AC | PARTS FEEDR ALL C ASM.         | FOR EUROPE                      |       |      | 1   |
| 33  | 16577207    | P/F COVER                      |                                 | *     |      | 1   |
| 34  | SM0040601SC | SCREW M4X0.7 L=6               |                                 | *     |      | 4   |
| 35  | GBR10791000 | PARTS FEEDER                   |                                 | *     |      | 1   |
| 36  | HK004440020 | 2-POLE RECEPTACLE              |                                 | *     |      | 1   |
| 37  | D6042555B00 | PIN TERMINAL, FEMALE           |                                 | *     |      | 2   |
| 38  | HK004490020 | CONNECTOR COVER                |                                 | *     |      | 1   |

TABLE & COVER COMPONENTS

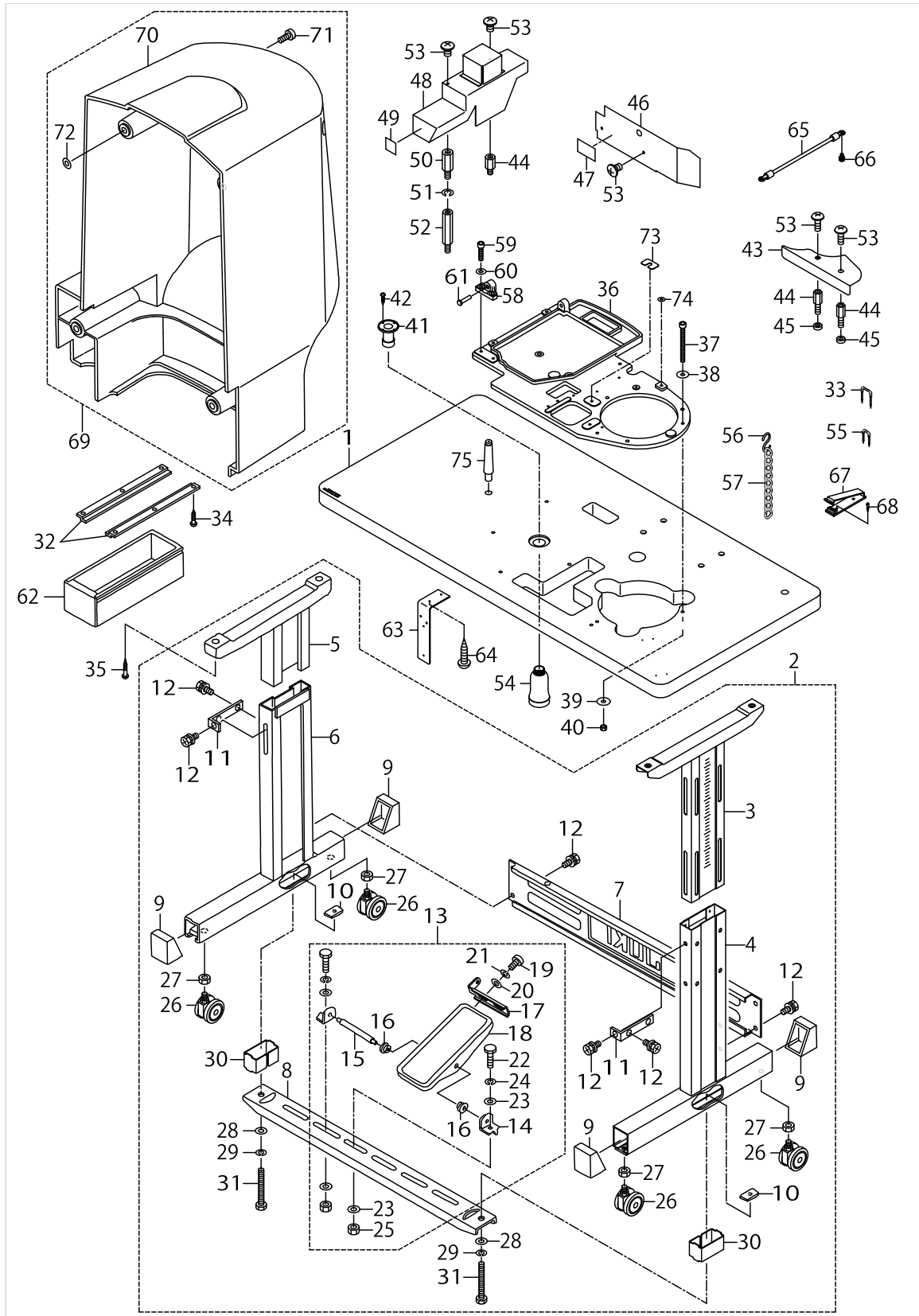


TABLE & COVER COMPONENTS

| No. | Parts No.   | Parts name                 | Remarks   | Level | Cons | Qty |
|-----|-------------|----------------------------|-----------|-------|------|-----|
| 1   | 14192009    | TABLE                      |           |       |      | 1   |
| 2   | 14191951    | T-STAND COMPL.             |           |       |      | 1   |
| 3   | 14118152    | UPPER STAND ASM.,RIGHT     |           | *     |      | 1   |
| 4   | 14118251    | STAND ASM.,RIGHT           |           | *     |      | 1   |
| 5   | B8101210AAB | UPPER STAND ASM.           |           | *     |      | 1   |
| 6   | B8105210AAA | STAND ASM.                 |           | *     |      | 1   |
| 7   | 11158300    | STAND SIDE SUPPORT         |           | *     |      | 1   |
| 8   | 11158409    | STAND SIDE SUPPORT         |           | *     |      | 1   |
| 9   | 11158607    | RUBBER CAP                 |           | *     |      | 4   |
| 10  | 17007402    | NUT                        |           | *     |      | 2   |
| 11  | 11158516    | UPPER STAND PLATE          |           | *     |      | 2   |
| 12  | SL9082091SE | WASHER HEXAGONAL BOLT      |           | *     |      | 10  |
| 13  | 13817754    | Z-STAND PEDAL ASM.         |           | *     |      | 1   |
| 14  | 11159001    | PEDAL SHAFT BRACKET        |           | *     |      | 2   |
| 15  | B8153771000 | PEDAL CONNECTING ROD       |           | *     |      | 1   |
| 16  | D8113555B00 | PEDAL BUSHING              |           | *     |      | 2   |
| 17  | GPF06080000 | PEDAL ADJUSTING PLATE      |           | *     |      | 1   |
| 18  | GPF060600A0 | PEDAL ASM.                 |           | *     |      | 1   |
| 19  | SM9061203SE | SCREW M6 L=12              |           | *     |      | 2   |
| 20  | WP0671016SE | WASHER 6.7X13X1            |           | *     |      | 2   |
| 21  | WS0621210KR | SPRING WASHER 6.2X11.4X1.2 |           | *     |      | 2   |
| 22  | SM9082023SE | SCREW M8 L=20              |           | *     |      | 2   |
| 23  | WP0871602SE | WASHER 8.7X18X1.6          |           | *     |      | 4   |
| 24  | WS0861410KR | SPRING WASHER 8.6X15X1.4   |           | *     |      | 2   |
| 25  | NM6080721SE | NUT M8                     |           | *     |      | 2   |
| 26  | B8150210000 | CASTER                     |           | *     |      | 4   |
| 27  | NM6120003SE | NUT M12                    |           | *     |      | 4   |
| 28  | WP0871602SE | WASHER 8.7X18X1.6          |           | *     |      | 2   |
| 29  | WS0861410KR | SPRING WASHER 8.6X15X1.4   |           | *     |      | 2   |
| 30  | 11159506    | STRUT AUXILIARY PLATE      |           | *     |      | 2   |
| 31  | SM9086523SE | HEXAGONAL BOLT             |           | *     |      | 2   |
| 32  | 11155207    | DRAWER SUPPORT             |           |       |      | 2   |
| 33  | D8204555D00 | DRAWER STOPPER             |           |       |      | 3   |
| 34  | SK3311601SE | WOOD SCREW D=3.1 L=16      |           |       |      | 6   |
| 35  | SK3483201SE | WOOD SCREW D=4.8 L=32      |           |       |      | 4   |
| 36  | GBR25001000 | BASE                       |           |       |      | 1   |
| 37  | SM6066552TP | BOLT                       |           |       |      | 6   |
| 38  | WP0612056SD | WASHER 6.1X18.5X2          |           |       |      | 6   |
| 39  | WP0651646SC | WASHER                     |           |       |      | 6   |
| 40  | NM6060001SC | NUT M6                     |           |       |      | 6   |
| 41  | B8202205000 | OIL MANAGEMENT             |           |       |      | 1   |
| 42  | SK3311601SE | WOOD SCREW D=3.1 L=16      |           |       |      | 4   |
| 43  | 18222604    | FRONT COVER A              |           |       |      | 1   |
| 44  | HX003390000 | STUD                       |           |       |      | 3   |
| 45  | B3052816000 | WASHER                     |           |       |      | 2   |
| 46  | 18222703    | FRONT COVER, B             |           |       |      | 1   |
| 47  | CM300200201 | SAFETY LABEL 2 (SMALL)     | FOR JAPAN |       |      | 1   |



TABLE & COVER COMPONENTS

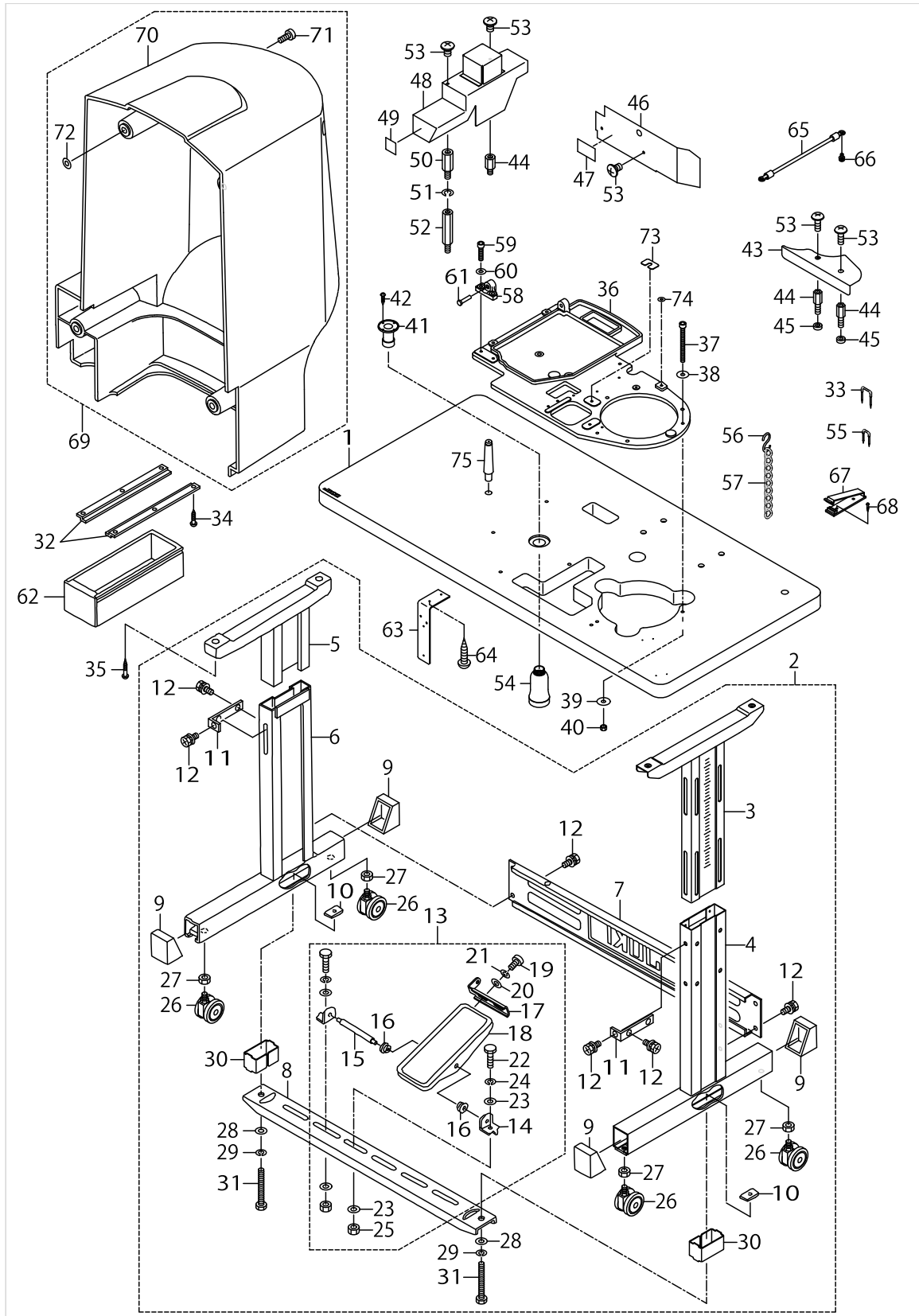
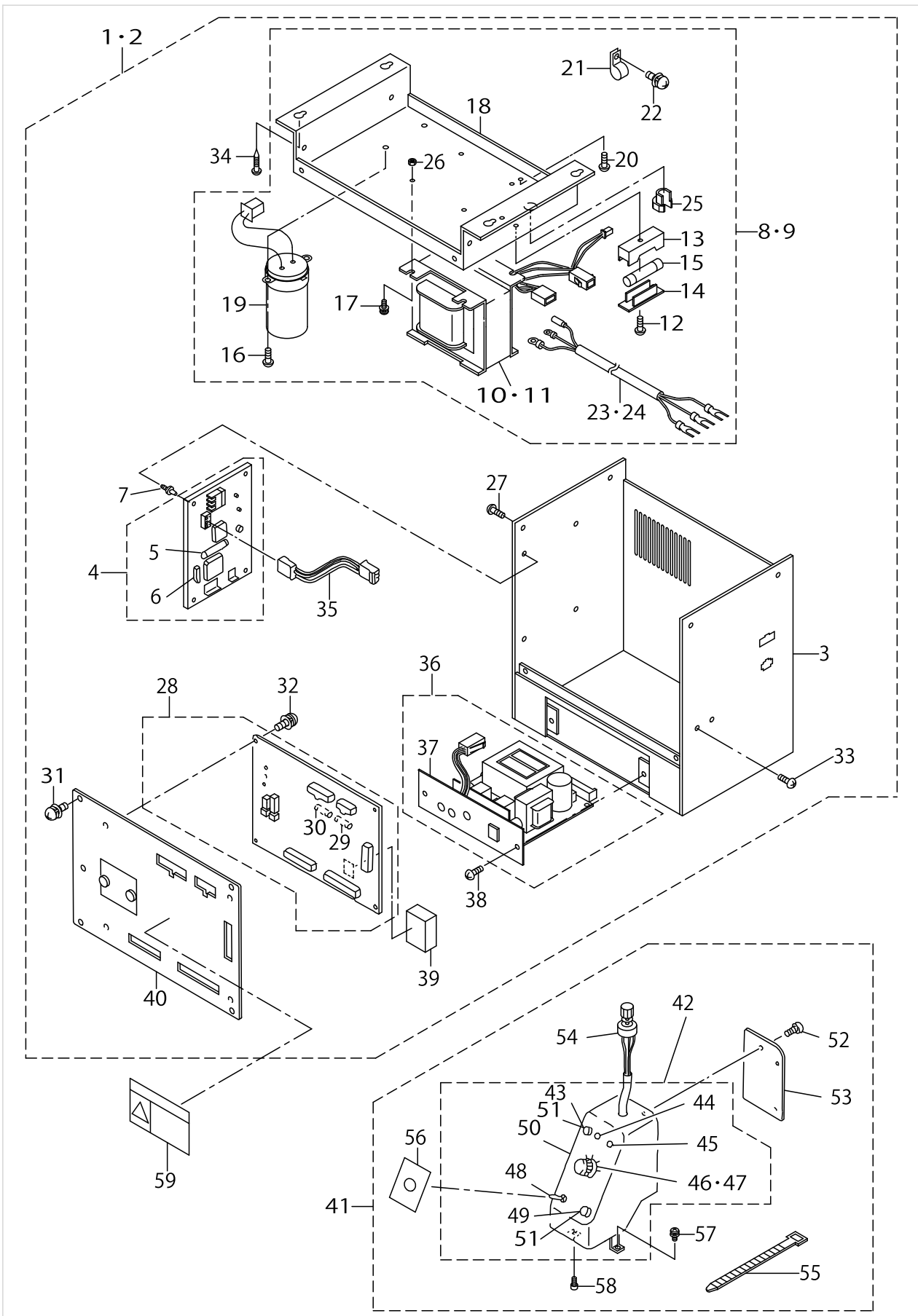


TABLE & COVER COMPONENTS

| No. | Parts No.   | Parts name                | Remarks | Level | Cons | Qty |
|-----|-------------|---------------------------|---------|-------|------|-----|
| 48  | 18228007    | COVER                     |         |       |      | 1   |
| 49  | 16586505    | DANGER PREVENTION STICKER |         |       |      | 1   |
| 50  | 18228106    | SPACER B                  |         |       |      | 1   |
| 51  | WS0410002KN | SPRING WASHER             |         |       |      | 1   |
| 52  | HX00339000B | BOARD PARTS               |         |       |      | 1   |
| 53  | SM0040601SA | SCREW                     |         |       |      | 6   |
| 54  | B9121012000 | OIL CAN                   |         |       |      | 1   |
| 55  | MAO11532000 | CORD STAPLE               |         |       |      | 11  |
| 56  | B8133019000 | S SHAPED HOOK             |         |       |      | 2   |
| 57  | B8103980000 | CHAIN                     |         |       |      | 1   |
| 58  | GBR25006000 | HEAD FIXING HINGE         |         |       |      | 1   |
| 59  | SM6062502TP | SCREW M6 L=25             |         |       |      | 2   |
| 60  | WP0611626SP | WASHER 15X6X1.6           |         |       |      | 2   |
| 61  | D2431555B00 | THREAD TRIMMER SHAFT      |         |       |      | 2   |
| 62  | 11155108    | DRAWER                    |         |       |      | 1   |
| 63  | B5542205000 | TERMINAL BRACKET          |         |       |      | 1   |
| 64  | SK3311601SE | WOOD SCREW D=3.1 L=16     |         |       |      | 2   |
| 65  | GBR308650A0 | BASE EARTH CORD ASM.      |         |       |      | 1   |
| 66  | SL4041091SC | SCREW M4 L=10             |         |       |      | 1   |
| 67  | M964051000A | CABLE CLIP                |         |       |      | 1   |
| 68  | SK3382001SE | SCREW D=3.8 L=20          |         |       |      | 2   |
| 69  | 14100457    | MOTOR COVER ASM.          |         |       |      | 1   |
| 70  | 14100408    | MOTOR COVER               |         | *     |      | 1   |
| 71  | SS6111140SP | SCREW 11/64-40 L=11       |         | *     |      | 4   |
| 72  | M8002430000 | STOPPER                   |         | *     |      | 4   |
| 73  | GBR25010000 | MAIN FRAME SPACER A       |         |       |      | 3   |
| 74  | WP0621036SP | WASHER                    |         |       |      | 1   |
| 75  | 11280856    | FRAME SUPPORT BAR ASM.    |         |       |      | 1   |

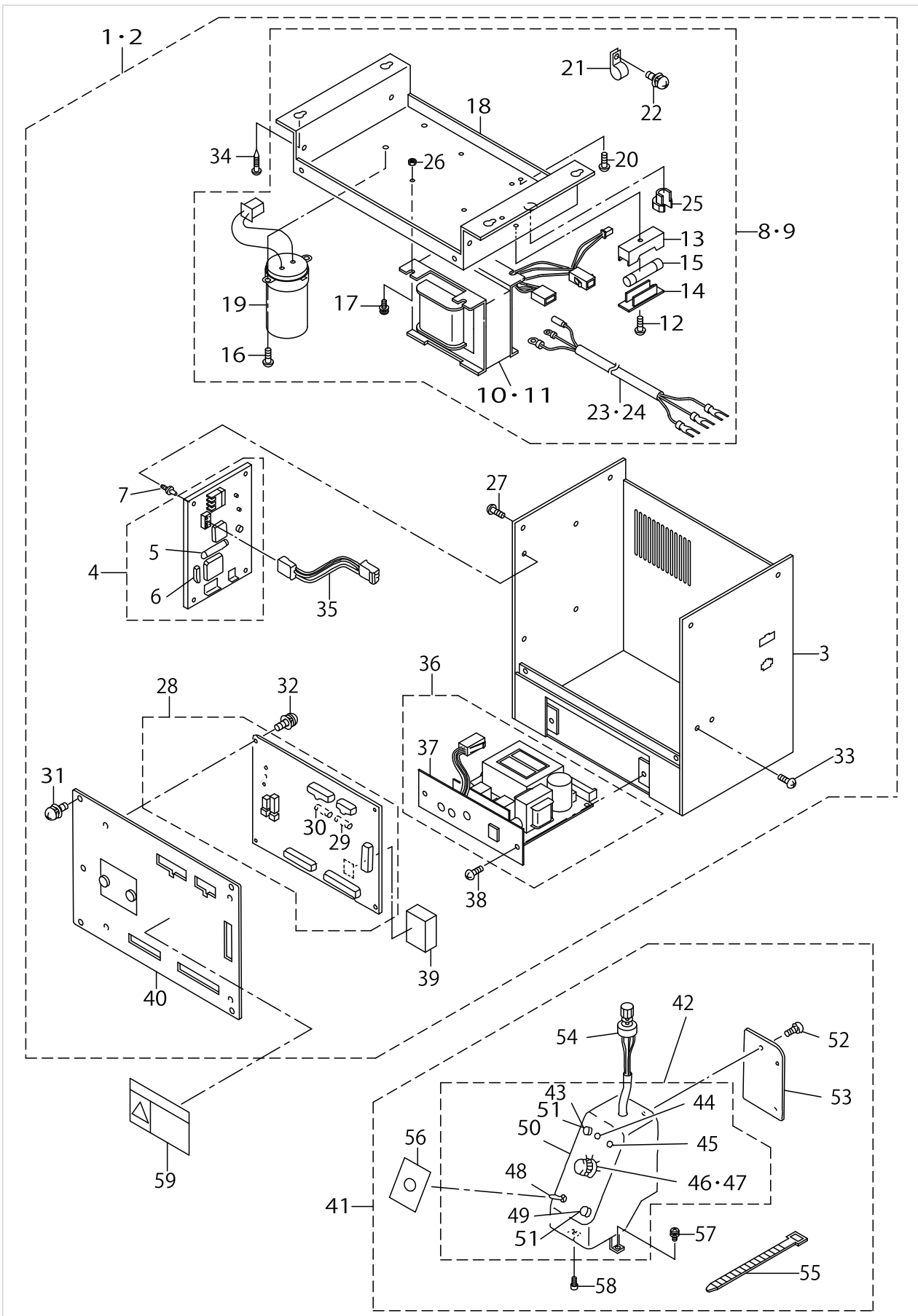
BR CONTROL BOX COMPONENTS (FOR JAPAN AND GENERAL EXPORT)



## BR CONTROL BOX COMPONENTS (FOR JAPAN AND GENERAL EXPORT)

| No. | Parts No.   | Parts name                     | Remarks                      | Level | Cons | Qty |
|-----|-------------|--------------------------------|------------------------------|-------|------|-----|
| 1   | GBR25060BA0 | CONTROL BOX B ASM.             | FOR 220V,240V,380V,415V,440V |       |      | 1   |
| 2   | GBR25060AA0 | CONTROL BOX A ASM.             | FOR 100V,115V,200V,220V,240V |       |      | 1   |
| 3   | GBR107240A0 | CONTROL BOX FRAME BODY ASM.    |                              | *     |      | 1   |
| 4   | GBR107610A0 | POWER BOARD                    |                              | *     |      | 1   |
| 5   | E9613601000 | FUSE 2A                        |                              | *     |      | 1   |
| 6   | HA002980000 | BREAKER 5A                     |                              | *     |      | 1   |
| 7   | HX00228000A | SPACER                         |                              | *     |      | 4   |
| 8   | GBR107460AB | TRANS BASE B COMPLE.           | FOR 220V,240V,380V,415V,440V | *     |      | 1   |
| 9   | GBR107460AA | TRANS BASE A COMPLE.           | FOR 100V,115V,200V,220V,240V | *     |      | 1   |
| 10  | GBR107480AA | TRANS A ASM.                   | FOR 100V,115V,200V,220V,240V | *     |      | 1   |
| 11  | GBR107480AB | TRANS B ASM.                   | FOR 220V,240V,380V,415V,440V | *     |      | 1   |
| 12  | SM4041001SC | SCREW M4X0.7 L=10              |                              | *     |      | 1   |
| 13  | HF005111000 | FUSE HOLDER                    |                              | *     |      | 1   |
| 14  | HF00511100B | FUSE HOLDER COVER              |                              | *     |      | 1   |
| 15  | E9613601000 | FUSE 2A                        |                              | *     |      | 1   |
| 16  | SL4030681SC | SCREW M3 L=6                   |                              | *     |      | 2   |
| 17  | SL4041291SC | SCREW M4 L=12                  |                              | *     |      | 4   |
| 18  | GBR10747000 | TRANSFORMER BASE               |                              | *     |      | 1   |
| 19  | GBR107430A0 | CONDENSER ASM.                 |                              | *     |      | 1   |
| 20  | SL4040891SC | SCREW M4 L=8                   |                              | *     |      | 2   |
| 21  | HX00150000B | CABLE CLIP                     |                              | *     |      | 1   |
| 22  | SL4030881SC | SCREW M3X8                     |                              | *     |      | 1   |
| 23  | GBR107450A0 | AC INPUT POWER CABLE CORD ASM. | FOR 100V,115V,200V,220V,240V | *     |      | 1   |
| 24  | GBR107440A0 | AC INPUT POWER CABLE CORD ASM. | FOR 220V,240V,380V,415V,440V | *     |      | 1   |
| 25  | HX000980000 | CORD BUSH                      |                              | *     |      | 1   |
| 26  | NM6040001SF | NUT M4                         |                              | *     |      | 4   |
| 27  | SL4040891SC | SCREW M4 L=8                   |                              | *     |      | 4   |
| 28  | GBR107510A0 | CPU BOARD ASM.                 |                              | *     |      | 1   |
| 29  | HF0013020P0 | FUSE 2A                        |                              | *     |      | 1   |
| 30  | HF0013063P0 | FUSE 6.3A                      |                              | *     |      | 1   |
| 31  | SL4040891SC | SCREW M4 L=8                   |                              | *     |      | 4   |
| 32  | SL4030681SC | SCREW M3 L=6                   |                              | *     |      | 4   |
| 33  | SL4040891SC | SCREW M4 L=8                   |                              | *     |      | 2   |
| 34  | SK3452501SE | SCREW D=4.5 L=25               |                              | *     |      | 4   |
| 35  | GBR107720A0 | CPU BOARD POWER CORD ASM.      |                              | *     |      | 1   |
| 36  | GBR107740A0 | P/F CONTROLLER ASM.            |                              | *     |      | 1   |
| 37  | GBR10775000 | P/F PANEL                      |                              | *     |      | 1   |
| 38  | SM5040601SC | SCREW M4X0.7 L=6               |                              | *     |      | 2   |
| 39  | HL008730140 | IC                             |                              | *     |      | 1   |
| 40  | GBR207340A0 | CONTROL BOX FRAME COVER ASM.   |                              | *     |      | 1   |
| 41  | GBR30784AA0 | OPERATION PANEL WHOLE ASM. (A) |                              |       |      | 1   |
| 42  | GBR107850A0 | PANEL ASM.                     |                              | *     |      | 1   |
| 43  | HA00191001B | OPERATION BUTTON               |                              | *     |      | 1   |
| 44  | HG00291000A | LED (GREEN)                    |                              | *     |      | 1   |
| 45  | HG002910000 | LAMP                           |                              | *     |      | 1   |
| 46  | HA002900000 | DIP SWITCH                     |                              | *     |      | 1   |
| 47  | HX00114000A | KNOB                           |                              | *     |      | 1   |

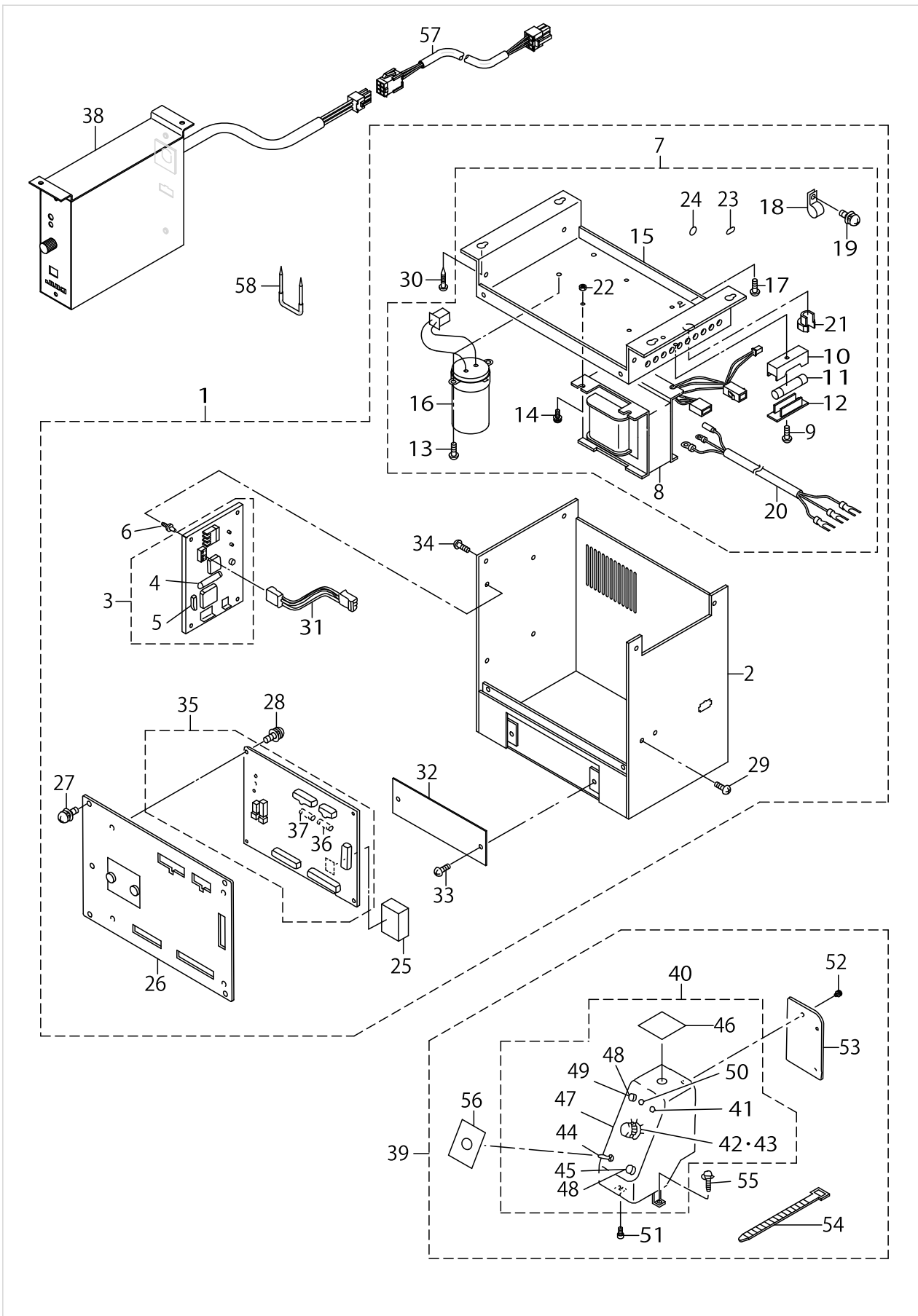
BR CONTROL BOX COMPONENTS (FOR JAPAN AND GENERAL EXPORT)



## BR CONTROL BOX COMPONENTS (FOR JAPAN AND GENERAL EXPORT)

| No. | Parts No.   | Parts name             | Remarks   | Level | Cons | Qty |
|-----|-------------|------------------------|-----------|-------|------|-----|
| 48  | MAO14506000 | SWITCH                 |           | *     |      | 1   |
| 49  | HA00191001C | SWITCH KNOB,BLACK      |           | *     |      | 1   |
| 50  | GBR10786000 | PANEL BOX              |           | *     |      | 1   |
| 51  | HA001910000 | PUSH SWITCH 3 TERMINAL |           | *     |      | 2   |
| 52  | SL4030681SC | SCREW M3 L=6           |           | *     |      | 3   |
| 53  | GBR10782000 | PANEL BOX BACK COVER   |           | *     |      | 1   |
| 54  | GBR107870A0 | VOLUME ASM.            |           | *     |      | 1   |
| 55  | EA9500B0100 | CABLE BAND             |           | *     |      | 1   |
| 56  | GBR30788000 | SHEEL                  |           | *     |      | 1   |
| 57  | SL4041091SC | SCREW M4 L=10          |           | *     |      | 1   |
| 58  | SM6040802TN | SCREW                  |           | *     |      | 1   |
| 59  | CM300100101 | DANGER LABEL (SMALL)   | FOR JAPAN |       |      | 1   |

BR CONTROL BOX COMPONENTS (FOR EUROPE)

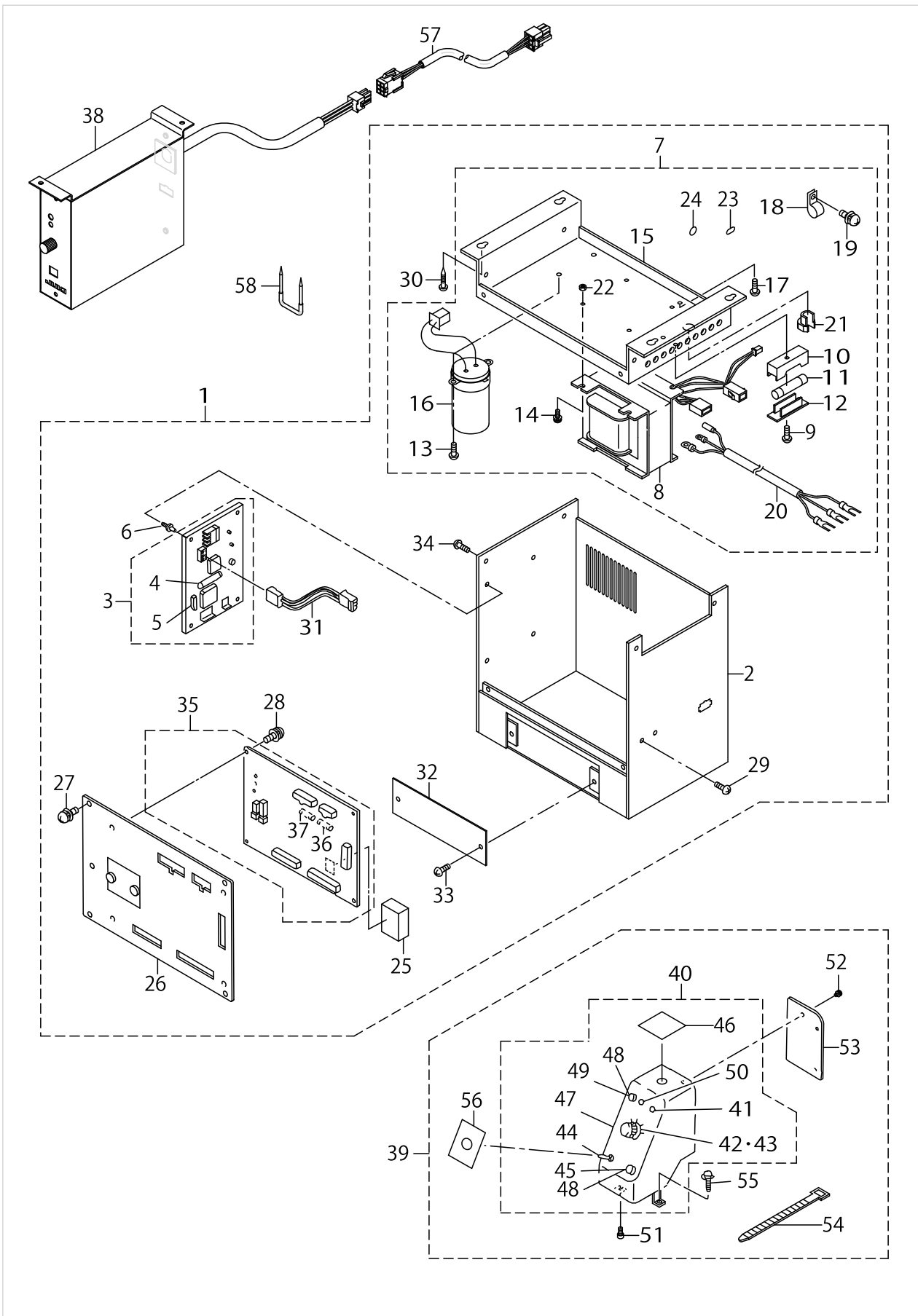


## BR CONTROL BOX COMPONENTS (FOR EUROPE)

| No. | Parts No.   | Parts name                     | Remarks | Level | Cons | Qty |
|-----|-------------|--------------------------------|---------|-------|------|-----|
| 1   | GBR25060CA0 | CONTROL BOX C ASM.             |         |       |      | 1   |
| 2   | GBR107240AC | CONTROL BOX FRAME BODY C ASM.  |         | *     |      | 1   |
| 3   | GBR107610A0 | POWER BOARD                    |         | *     |      | 1   |
| 4   | E9613601000 | FUSE 2A                        |         | *     |      | 1   |
| 5   | HA002980000 | BREAKER 5A                     |         | *     |      | 1   |
| 6   | HX00228000A | SPACER                         |         | *     |      | 4   |
| 7   | GBR107460AC | TRANS BASE C COMPLE.           |         | *     |      | 1   |
| 8   | GBR107480AB | TRANS B ASM.                   |         | *     |      | 1   |
| 9   | SM4041001SC | SCREW M4X0.7 L=10              |         | *     |      | 1   |
| 10  | HF005111000 | FUSE HOLDER                    |         | *     |      | 1   |
| 11  | E9613601000 | FUSE 2A                        |         | *     |      | 1   |
| 12  | HF00511100B | FUSE HOLDER COVER              |         | *     |      | 1   |
| 13  | SL4030681SC | SCREW M3 L=6                   |         | *     |      | 2   |
| 14  | SL4041291SC | SCREW M4 L=12                  |         | *     |      | 4   |
| 15  | GBR10747000 | TRANSFORMER BASE               |         | *     |      | 1   |
| 16  | GBR107430A0 | CONDENSER ASM.                 |         | *     |      | 1   |
| 17  | SL4040891SC | SCREW M4 L=8                   |         | *     |      | 3   |
| 18  | HX00150000B | CABLE CLIP                     |         | *     |      | 1   |
| 19  | SL4030881SC | SCREW M3X8                     |         | *     |      | 1   |
| 20  | GBR107440A0 | AC INPUT POWER CABLE CORD ASM. |         | *     |      | 1   |
| 21  | HX000980000 | CORD BUSH                      |         | *     |      | 1   |
| 22  | NM6040001SF | NUT M4                         |         | *     |      | 4   |
| 23  | CM200100001 | PE MARK LABEL                  |         | *     |      | 1   |
| 24  | 10004109    | GROUND MARK                    |         | *     |      | 1   |
| 25  | HL008730140 | IC                             |         | *     |      | 1   |
| 26  | GBR207340A0 | CONTROL BOX FRAME COVER ASM.   |         | *     |      | 1   |
| 27  | SL4040891SC | SCREW M4 L=8                   |         | *     |      | 4   |
| 28  | SL4030681SC | SCREW M3 L=6                   |         | *     |      | 4   |
| 29  | SL4040891SC | SCREW M4 L=8                   |         | *     |      | 2   |
| 30  | SK3452501SE | SCREW D=4.5 L=25               |         | *     |      | 4   |
| 31  | GBR107720A0 | CPU BOARD POWER CORD ASM.      |         | *     |      | 1   |
| 32  | GBR10726000 | BLIND PLATE                    |         | *     |      | 1   |
| 33  | SM5040601SC | SCREW M4X0.7 L=6               |         | *     |      | 2   |
| 34  | SL4040891SC | SCREW M4 L=8                   |         | *     |      | 4   |
| 35  | GBR107510A0 | CPU BOARD ASM.                 |         | *     |      | 1   |
| 36  | HF0013020P0 | FUSE 2A                        |         | *     |      | 1   |
| 37  | HF0013063P0 | FUSE 6.3A                      |         | *     |      | 1   |
| 38  | GBR108010A0 | P/F CONTROLLER ASM.            |         |       |      | 1   |
| 39  | GBR250610AC | OPERATION PANEL WHOLE ASM. C   |         |       |      | 1   |
| 40  | GBR107850AC | PANEL C ASM.                   |         | *     |      | 1   |
| 41  | HG002910000 | LAMP                           |         | *     |      | 1   |
| 42  | HA002900000 | DIP SWITCH                     |         | *     |      | 1   |
| 43  | HX00114000A | KNOB                           |         | *     |      | 1   |
| 44  | MAO14506000 | SWITCH                         |         | *     |      | 1   |
| 45  | HA00191001C | SWITCH KNOB,BLACK              |         | *     |      | 1   |
| 46  | GBR10728000 | BLANK STICKER B                |         | *     |      | 1   |
| 47  | GBR10786000 | PANEL BOX                      |         | *     |      | 1   |



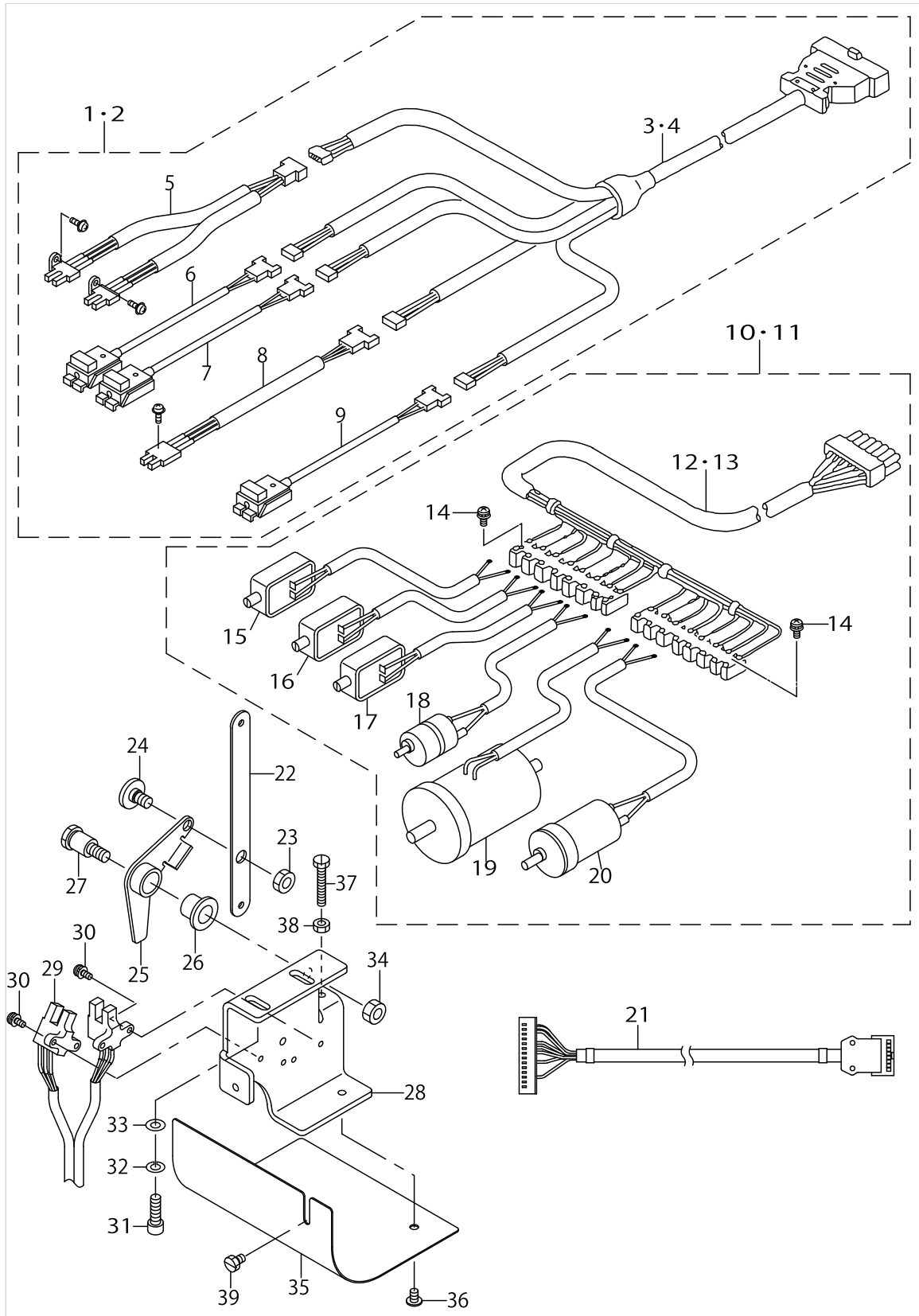
BR CONTROL BOX COMPONENTS (FOR EUROPE)



## BR CONTROL BOX COMPONENTS (FOR EUROPE)

| No. | Parts No.   | Parts name             | Remarks | Level | Cons | Qty |
|-----|-------------|------------------------|---------|-------|------|-----|
| 48  | HA001910000 | PUSH SWITCH 3 TERMINAL |         | *     |      | 2   |
| 49  | HA00191001B | OPERATION BUTTON       |         | *     |      | 1   |
| 50  | HG00291000A | LED (GREEN)            |         | *     |      | 1   |
| 51  | SM6040802TN | SCREW                  |         | *     |      | 1   |
| 52  | SL4030681SC | SCREW M3 L=6           |         | *     |      | 3   |
| 53  | GBR10782000 | PANEL BOX BACK COVER   |         | *     |      | 1   |
| 54  | EA9500B0100 | CABLE BAND             |         | *     |      | 1   |
| 55  | SL4041091SC | SCREW M4 L=10          |         | *     |      | 1   |
| 56  | GBR30788000 | SHEEL                  |         | *     |      | 1   |
| 57  | GBR250810A0 | CABLE ASM.             |         |       |      | 1   |
| 58  | MAO11532000 | CORD STAPLE            |         |       |      | 4   |

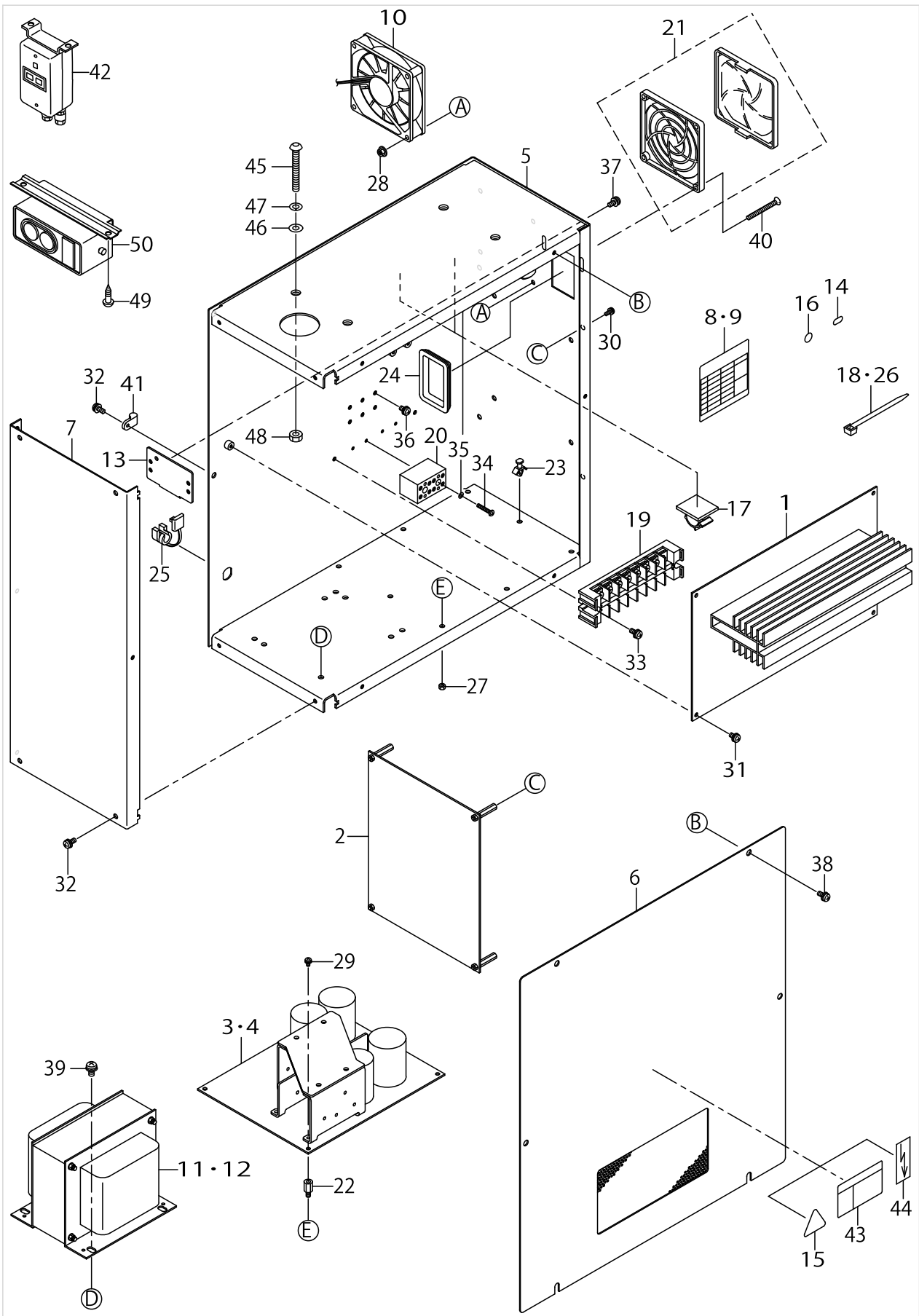
# BR POWER SUPPLY COMPONENTS



## BR POWER SUPPLY COMPONENTS

| No. | Parts No.   | Parts name                     | Remarks                         | Level | Cons | Qty |
|-----|-------------|--------------------------------|---------------------------------|-------|------|-----|
| 1   | GBR108410B0 | BR SENSOR ASM.                 | FOR JAPAN AND<br>GENERAL EXPORT |       |      | 1   |
| 2   | GBR108410BC | SENSOR CONNECTING CABLE ASM.   | FOR EUROPE                      |       |      | 1   |
| 3   | GBR108460A0 | SENSOR CONNECTING CABLE ASM.   | FOR JAPAN AND<br>GENERAL EXPORT | *     |      | 1   |
| 4   | GBR108460AC | SENSOR CONNECTING CABLE ASM.   | FOR EUROPE                      | *     |      | 1   |
| 5   | GBR108420A0 | START SWITCH ASM.              |                                 | *     |      | 1   |
| 6   | GBR108430A0 | RUB COMPLETION SWITCH ASM.     |                                 | *     |      | 1   |
| 7   | GBR108440A0 | BUTTON SENSOR SWITCH ASM.      |                                 | *     |      | 1   |
| 8   | GBR108470A0 | TURNING ARM HOME POSITION SENS |                                 | *     |      | 1   |
| 9   | GBR108450A0 | INDEX STARTING SWITCH ASM.     |                                 | *     |      | 1   |
| 10  | GBR250200A0 | BR DRIVING SOURCE WHOLE ASM.   | FOR JAPAN AND<br>GENERAL EXPORT |       |      | 1   |
| 11  | GBR250200AC | BR DRIVING SOURCE C WHOLE ASM. | FOR EUROPE                      |       |      | 1   |
| 12  | GBR108580A0 | STARTING MAGNET CABLE ASM.     | FOR JAPAN AND<br>GENERAL EXPORT | *     |      | 1   |
| 13  | GBR108580AC | STARTING MAGNET CABLE ASM.     | FOR EUROPE                      | *     |      | 1   |
| 14  | SL4030881SC | SCREW M3X8                     |                                 | *     |      | 2   |
| 15  | GBR10852000 | MAGNET                         |                                 | *     |      | 1   |
| 16  | GBR10853000 | MAGNET                         |                                 | *     |      | 1   |
| 17  | GBR10854000 | MAGNET                         |                                 | *     |      | 1   |
| 18  | GBR108550A0 | DC MOTOR ASM.                  |                                 | *     |      | 1   |
| 19  | GBR108590A0 | DC MOTOR ASM.                  |                                 | *     |      | 1   |
| 20  | GBR108560A0 | DC MOTOR ASM.                  |                                 | *     |      | 1   |
| 21  | GBR250800A0 | LK-BR RELAY CABLE ASM.         |                                 |       |      | 1   |
| 22  | 16582009    | SWITCH LINK                    |                                 |       |      | 1   |
| 23  | NS6150430SP | NUT 15/64-28                   |                                 |       |      | 1   |
| 24  | SD0700332SP | HINGE SCREW D= 7 H= 3.5        |                                 |       |      | 1   |
| 25  | 18219907    | TWO-STEP SWITCH LEVER          |                                 |       |      | 1   |
| 26  | 16583403    | METAL                          |                                 |       |      | 1   |
| 27  | 16582504    | SCREW                          |                                 |       |      | 1   |
| 28  | 16582603    | SWITCH BRACKET                 |                                 |       |      | 1   |
| 29  | GBR108420A0 | START SWITCH ASM.              |                                 |       |      | 1   |
| 30  | SL4030881SC | SCREW M3X8                     |                                 |       |      | 4   |
| 31  | SM6051602TP | SCREW M5X0.8 L=16              |                                 |       |      | 2   |
| 32  | WS0510002KN | SPRING WASHER                  |                                 |       |      | 2   |
| 33  | WP0531000SC | WASHER 5.3X10X1                |                                 |       |      | 2   |
| 34  | NM6060001SC | NUT M6                         |                                 |       |      | 1   |
| 35  | 16582702    | SWITCH COVER                   |                                 |       |      | 1   |
| 36  | SM0040601SC | SCREW M4X0.7 L=6               |                                 |       |      | 1   |
| 37  | SM9042510SC | SCREW M4X0.7 L=25              |                                 |       |      | 1   |
| 38  | NM6040001SC | NUT M4                         |                                 |       |      | 1   |
| 39  | SM9040600SP | HEAXGON BOLT                   |                                 |       |      | 1   |

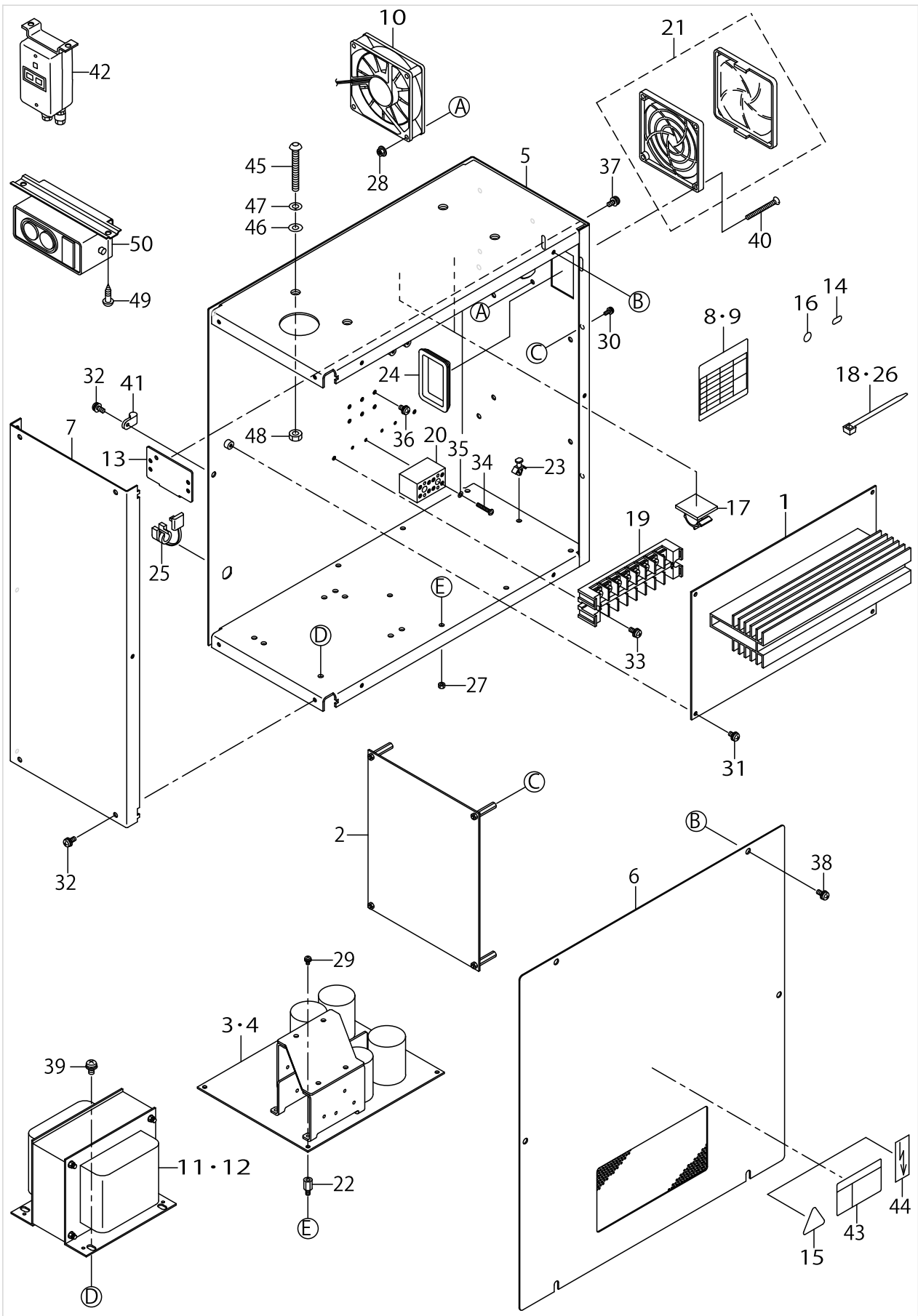
MC591 CONTROL BOX COMPONENTS



MC591 CONTROL BOX COMPONENTS

| No. | Parts No.    | Parts name                  | Remarks               | Level | Cons | Qty |
|-----|--------------|-----------------------------|-----------------------|-------|------|-----|
| 1   | M8601590AB0  | MAIN CIRCUIT BOARD A ASM.   |                       |       |      | 1   |
| 2   | M8602590AA0  | SERVO CIRCUIT BOARD ASM., A |                       |       |      | 1   |
| 3   | M86045900A0  | POWER CIRCUIT BOARD ASM.    | FOR 100V-200V         |       |      | 1   |
| 4   | M8604590AA0  | POWER CIRCUIT BOARD ASM., A | FOR 380V              |       |      | 1   |
| 5   | M1001590000  | CONTROL BOX                 |                       |       |      | 1   |
| 6   | M10025800A0  | CONTROL BOX COVER ASM.      |                       |       |      | 1   |
| 7   | M1003590000  | CONTROL BOX PANEL           |                       |       |      | 1   |
| 8   | M300359000A  | SEAL A                      | FOR 100V-200V         |       |      | 1   |
| 9   | M300258000B  | SEAL B                      | FOR 380V              |       |      | 1   |
| 10  | M85405900A0  | FAN ASM.                    |                       |       |      | 1   |
| 11  | M8901590AA0A | POWER TRANSFORMER A ASM.    | FOR 100V-200V         |       |      | 1   |
| 12  | M8901590BA0A | POWER TRANSFORMER B ASM.    | FOR 380V              |       |      | 1   |
| 13  | 17845009     | CORD FITTING PLATE          |                       |       |      | 1   |
| 14  | CM200100001  | PE MARK LABEL               | FOR 380V              |       |      | 1   |
| 15  | CM300100001  | LABEL                       | FOR 380V              |       |      | 1   |
| 16  | E9567319000  | EARTH MARK                  |                       |       |      | 1   |
| 17  | E9609603000  | STICKER (LARGE)             |                       |       |      | 2   |
| 18  | EA9500B0100  | CABLE BAND                  |                       |       |      | 1   |
| 19  | HK026650080  | TERMINAL BASE 8P            | FOR 100V-200V         |       |      | 1   |
| 20  | HK054250040  | TERMINAL BASE               | FOR 380V              |       |      | 2   |
| 21  | HM000860010  | FAN FILTER                  |                       |       |      | 1   |
| 22  | HX00056000B  | SPACER                      |                       |       |      | 4   |
| 23  | HX00147000C  | SPACER                      |                       |       |      | 4   |
| 24  | HX004070000  | BUSH                        |                       |       |      | 1   |
| 25  | HX004100000  | BUSH                        |                       |       |      | 1   |
| 26  | EA9500B0200  | CABLE BAND 150              |                       |       |      | 2   |
| 27  | NM3034000SF  | FLANGE NUT                  |                       |       |      | 4   |
| 28  | NM3040520SF  | FLANGE NUT M4               |                       |       |      | 2   |
| 29  | SL4030681SF  | SCREW M3 L=6                |                       |       |      | 4   |
| 30  | SL4030891SC  | SCREW M3X8                  |                       |       |      | 4   |
| 31  | SL4040881SF  | SCREW M4 L=8                |                       |       |      | 4   |
| 32  | SL4041091SC  | SCREW M4 L=10               |                       |       |      | 7   |
| 33  | SL4041081SF  | SCREW M4 L=10               | FOR 100V-200V         |       |      | 2   |
| 34  | SM4031851SR  | SCREW                       | FOR 380V              |       |      | 4   |
| 35  | WS0310702KS  | SPRING WASHER               | FOR 380V              |       |      | 4   |
| 36  | SL4040681SC  | COMBINATION SCREW M4 X 8    |                       |       |      | 4   |
| 37  | SL4041091SC  | SCREW M4 L=10               |                       |       |      | 2   |
| 38  | SL4041091SC  | SCREW M4 L=10               |                       |       |      | 6   |
| 39  | SL4051091SC  | SCREW M5X0.8 L=10           |                       |       |      | 4   |
| 40  | SM1044050SM  | SCREW M4X0.7 L=40           |                       |       |      | 2   |
| 41  | HX00123000B  | CABLE CLIP                  |                       |       |      | 1   |
| 42  | HA00303000A  | SWITCH                      | FOR EUROPE            |       |      | 1   |
| 43  | CM300100101  | DANGER LABEL (SMALL)        | FOR 100V-200V(JAPAN)  |       |      | 1   |
| 44  | G6705152U0A  | LABEL                       | FOR 100V-200V(EXPORT) |       |      | 1   |
| 45  | SM3065052TC  | SCREW                       |                       |       |      | 4   |
| 46  | WP0651001SC  | WASHER                      |                       |       |      | 4   |
| 47  | WS0610002KN  | SPRING WASHER 6.1X12.2X1.5  |                       |       |      | 4   |

MC591 CONTROL BOX COMPONENTS

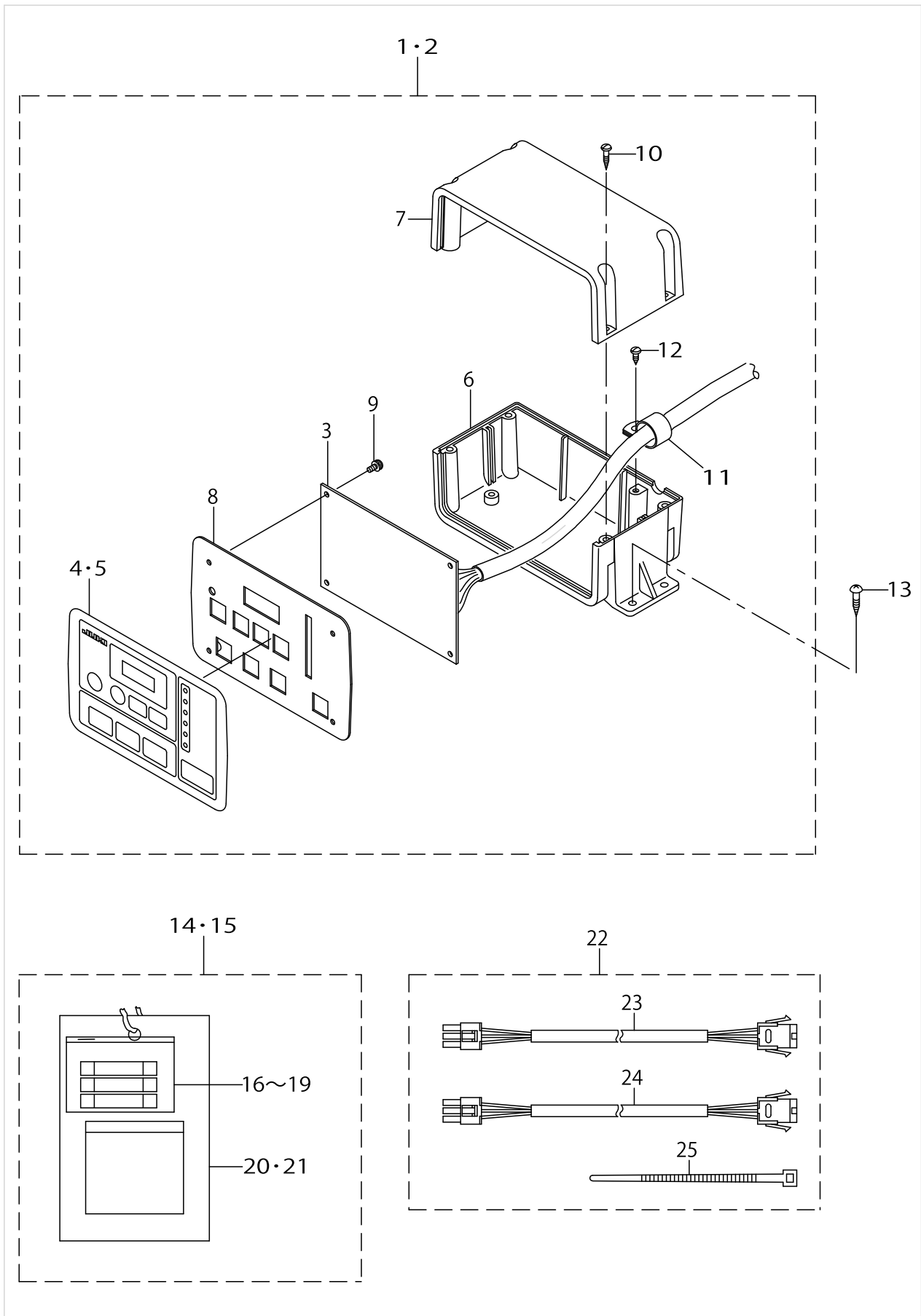


MC591 CONTROL BOX COMPONENTS

| No. | Parts No.   | Parts name            | Remarks       | Level | Cons | Qty |
|-----|-------------|-----------------------|---------------|-------|------|-----|
| 48  | NM6060001SE | NUT M6                |               |       |      | 4   |
| 49  | SK3482001SE | WOOD SCREW D=4.8 L=20 | EXCEPT EUROPE |       |      | 2   |
| 50  | HA004250000 | SWITCH                | EXCEPT EUROPE |       |      | 1   |



MC591 OPERATION BOX & ACCESSORIE COMPONENTS



MC591 OPERATION BOX & ACCESSORIE COMPONENTS

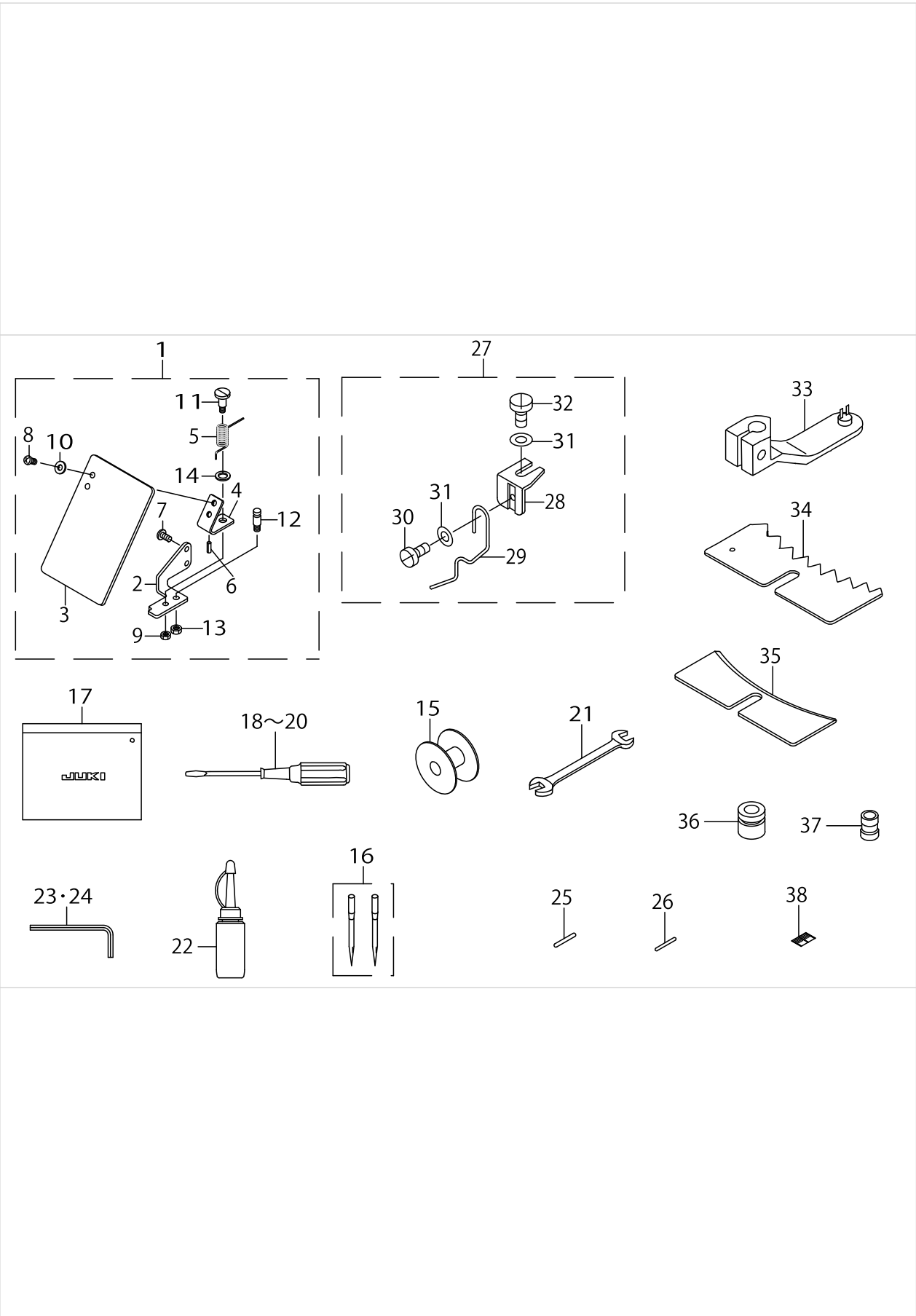
| No. | Parts No.   | Parts name                   | Remarks               | Level | Cons | Qty |
|-----|-------------|------------------------------|-----------------------|-------|------|-----|
| 1   | M8510590AA0 | OPERATION BOX A ASM.         | FOR JAPAN             |       |      | 1   |
| 2   | M8510590BA0 | OPERATION BOX B ASM.         | FOR EXPORT            |       |      | 1   |
| 3   | M86065900A0 | OPERATION CIRCUIT BOARD ASM. |                       | *     |      | 1   |
| 4   | M300259000A | OPERATION PANEL SHEET(JAPAN) | FOR JAPAN             | *     |      | 1   |
| 5   | M300259000B | OPERATION PANEL SHEET(ENG)   | FOR EXPORT            | *     |      | 1   |
| 6   | M1010590000 | OPERATION BOX A              |                       | *     |      | 1   |
| 7   | M1011590000 | OPERATION BOX B              |                       | *     |      | 1   |
| 8   | M1012590000 | OPERATION PANEL PLATE        |                       | *     |      | 1   |
| 9   | SL4030881SF | SCREW M3 L=8                 |                       | *     |      | 4   |
| 10  | ST40316110R | TAPPING SCREW D=3 L=16       |                       | *     |      | 4   |
| 11  | EA9502B0500 | CABLE CLIP                   |                       | *     |      | 1   |
| 12  | SV4031006SR | SCREW M3 L=10                |                       | *     |      | 1   |
| 13  | SK3382001SE | SCREW D=3.8 L=20             |                       |       |      | 4   |
| 14  | M85995900A0 | ACCESSORIES PART ASM.        | FOR 100V-200V         |       |      | 1   |
| 15  | M8599590AA0 | ACCESSORIES PART A ASM.      | FOR 380V              |       |      | 1   |
| 16  | HF001301000 | TIMING LAG FUSE              |                       | *     |      | 1   |
| 17  | HF0041080P0 | FUSE 8A                      |                       | *     |      | 1   |
| 18  | E8523304000 | FUSE 10A                     |                       | *     |      | 1   |
| 19  | HF002900300 | FUSE 250V 3A                 |                       | *     |      | 1   |
| 20  | M300451100A | VOLTAGE INDICATION CARD,A    | FOR 100V-200V         | *     |      | 1   |
| 21  | M3003580000 | VOLTAGE INDICATION CARD,B    | FOR 380V              | *     |      | 1   |
| 22  | M85975900A0 | CABLE WHOLE ASM.             | FOR MARKET ADAPTATION |       |      | 1   |
| 23  | M90515900A0 | CABLE ASM.                   |                       | *     |      | 1   |
| 24  | M90525900A0 | CABLE ASM.                   |                       | *     |      | 1   |
| 25  | EA9500B0200 | CABLE BAND 150               |                       | *     |      | 6   |



MC591 WIRING DIAGRAM

| No. | Parts No.   | Parts name                    | Remarks                              | Level | Cons | Qty |
|-----|-------------|-------------------------------|--------------------------------------|-------|------|-----|
| 1   | M90015900A0 | MAIN POWER CORD ASM.          |                                      |       |      | 1   |
| 2   | M90035900A0 | SERVO MOTOR CABLE ASM.        |                                      |       |      | 1   |
| 3   | M90045900A0 | ENCODER CONNECTING CABLE ASM. |                                      |       |      | 1   |
| 4   | M90085800A0 | SERVO SIGNAL CORD ASM.        |                                      |       |      | 1   |
| 5   | M90205800A0 | TRANSFORMER POWER CORD ASM.   | FOR 100V-200V                        |       |      | 1   |
| 6   | M9020580AA0 | TRANSFORMER POWER CORD ASM.,A | FOR 380V                             |       |      | 1   |
| 7   | M90225900A0 | POWER CORD ASM.               | FOR 100V-200V                        |       |      | 1   |
| 8   | M90235900A0 | POWER CORD A ASM.             | FOR 380V                             |       |      | 1   |
| 9   | M90025800A0 | SERVO POWER CORD ASM.,B       |                                      |       |      | 1   |
| 10  | M90315900A0 | SERVO POWER CORD ASM.,A       |                                      |       |      | 1   |
| 11  | M90175800A0 | POWER CABLE ASM.              | FOR 100V-200V(3-PHASE), 380V(EXPORT) |       |      | 1   |
| 12  | M90285800A0 | POWER CABLE ASM.              | FOR MC-591-ΔM                        |       |      | 1   |
| 13  | M90245800A0 | POWER CABLE ASM.,100V         | FOR 1-PHASE                          |       |      | 1   |
| 14  | M90215800A0 | VOLTAGE TRANSFER CORD ASM.    | FOR 100V                             |       |      | 1   |
| 15  | HA004250000 | SWITCH                        | EXCEPT MC-591-ΔM                     |       |      | 1   |
| 16  | HA00303000A | SWITCH                        | FOR MC-591-ΔM                        |       |      | 1   |

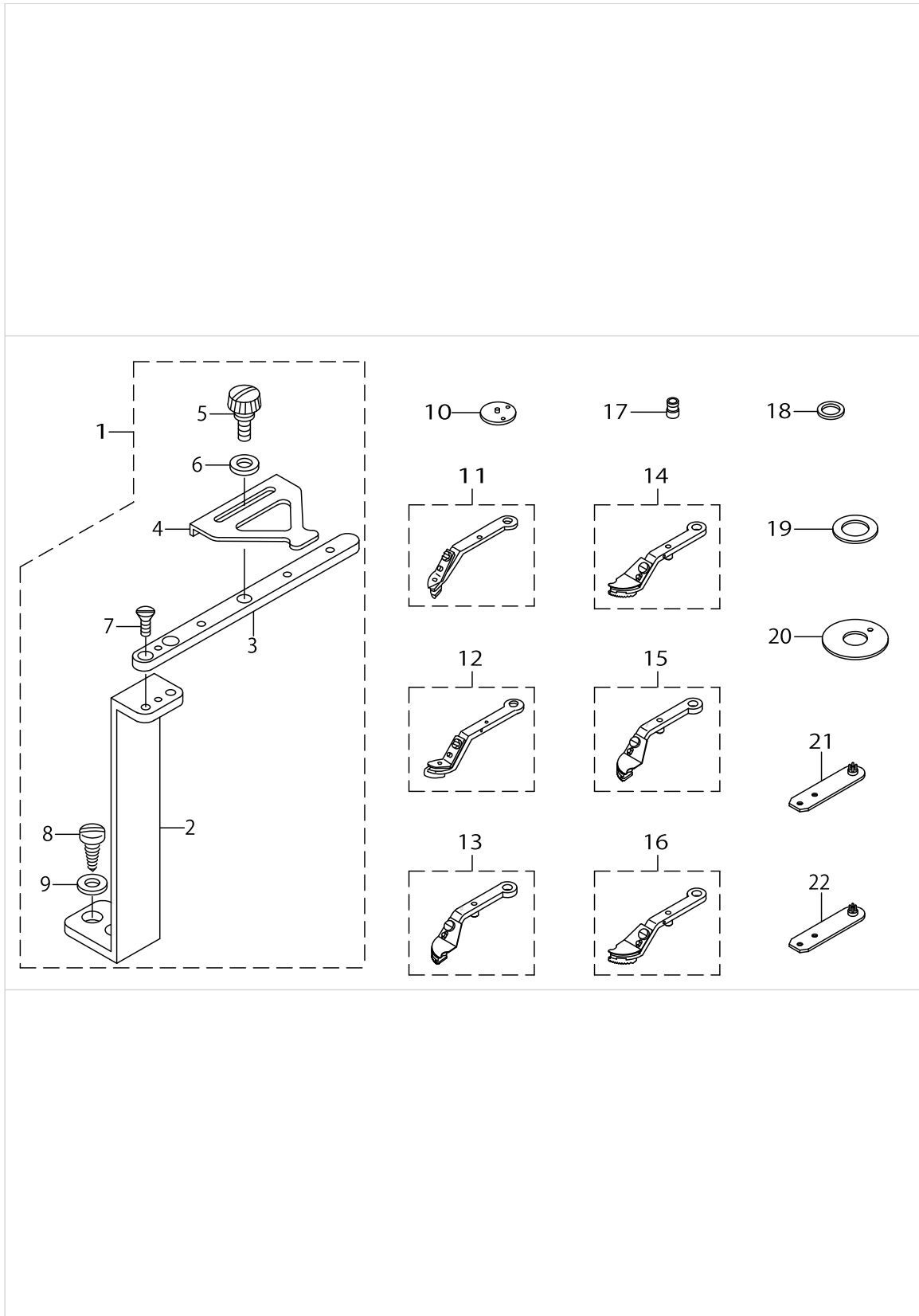
ACCESSORIE PART COMPONENTS



ACCESSORIE PART COMPONENTS

| No. | Parts No.   | Parts name                    | Remarks | Level | Cons | Qty |
|-----|-------------|-------------------------------|---------|-------|------|-----|
| 1   | 13551254    | SAFETY PLATE ASM.             |         |       |      | 1   |
| 2   | 13551205    | SAFETY PLATE INSTALLING BASE  |         | *     |      | 1   |
| 3   | B3120372000 | SAFETY PLATE                  |         | *     |      | 1   |
| 4   | B3121372000 | SAFETY PLATE INSTALLING PLATE |         | *     |      | 1   |
| 5   | 13943204    | SAFETY PLATE RETURN SPRING    |         | *     |      | 1   |
| 6   | PS0200062KH | SPRING PIN 2X6                |         | *     |      | 1   |
| 7   | SS4110715SP | SCREW 11/64-40 L=7            |         | *     |      | 2   |
| 8   | SS4110715SP | SCREW 11/64-40 L=7            |         | *     |      | 2   |
| 9   | NS6110310SP | NUT 11/64-40                  |         | *     |      | 1   |
| 10  | WP0450801SD | WASHER 4.5X10X0.8             |         | *     |      | 2   |
| 11  | SD0601021SP | HINGE SCREW D=6 H=10.2        |         | *     |      | 1   |
| 12  | B1506352000 | TENSION SPRING RACK B         |         | *     |      | 1   |
| 13  | NS6120310SP | NUT 3/16-28                   |         | *     |      | 1   |
| 14  | WP0740516SP | WASHER 7.4X11.8X0.5           |         | *     |      | 1   |
| 15  | 13812102    | BOBBIN                        |         |       |      | 1   |
| 16  | MDP170B1402 | NEEDLE DPX17#14-2             |         |       |      | 1   |
| 17  | B9101552000 | ACCESSORY BOX                 |         |       |      | 1   |
| 18  | B9109555000 | SCREW DRIVER, LARGE           |         |       |      | 1   |
| 19  | B9110012000 | SCREW DRIVER, MIDDLE          |         |       |      | 1   |
| 20  | B9111012000 | SCREW DRIVER, SMALL           |         |       |      | 1   |
| 21  | B9113012000 | WRENCH (9X10)                 |         |       |      | 1   |
| 22  | B91212200A0 | OILER (CONTAINING NO.2 OIL)   |         |       |      | 1   |
| 23  | B9140372000 | HEXAGONAL WRENCH, SMALL       |         |       |      | 1   |
| 24  | GCT02906000 | HEXAGONAL SPANNER             |         |       |      | 1   |
| 25  | GBR01155000 | SET PIN A                     |         |       |      | 6   |
| 26  | GBR01156000 | SET PIN B                     |         |       |      | 4   |
| 27  | 14146757    | BUTTON RISING BAR ASM.        |         |       |      | 1   |
| 28  | 14146807    | INSTALLING BASE               |         | *     |      | 1   |
| 29  | 14146708    | BUTTON RISING BAR             |         | *     |      | 1   |
| 30  | SS6080340SP | SCREW 1/8-44 L=2.9            |         | *     |      | 1   |
| 31  | WP0370316SD | WASHER 3.7X8X0.3              |         | *     |      | 2   |
| 32  | SS9090813TP | SCREW 9/64-40 L=8             |         | *     |      | 1   |
| 33  | 16558009    | BUTTON CARRIER B              |         |       |      | 1   |
| 34  | GBR01423000 | SELECTOR PLATE, MEDIUM        |         |       |      | 1   |
| 35  | GBR01437000 | AUXILIARY PLATE               |         |       |      | 1   |
| 36  | 16558108    | RING, SMALL                   |         |       |      | 1   |
| 37  | 18200501    | WORK ATTACHMENT (SMALL)       |         |       |      | 3   |
| 38  | 18204701    | SCALE                         |         |       |      | 4   |

SELECTIVE PART COMPONENTS



SELECTIVE PART COMPONENTS

| No. | Parts No.    | Parts name                     | Remarks | Level | Cons | Qty |
|-----|--------------|--------------------------------|---------|-------|------|-----|
| 1   | MAQ124000A0  | BUTTON SPACER                  |         |       |      | 1   |
| 2   | MAQ12401000  | SPACER MOUNTING BRACKET        |         | *     |      | 1   |
| 3   | MAQ12302000  | BUTTON SPACER MOUNT PLATE      |         | *     |      | 1   |
| 4   | MAQ05003000  | SPACER T=1.2                   |         | *     |      | 1   |
| 5   | MAXBS200S5X  | GUIDE PLATE SETSCREW L=5       |         | *     |      | 1   |
| 6   | WP0501016SC  | WASHER 5X10.5X1                |         | *     |      | 1   |
| 7   | SS1090510SP  | SCREW 9/64-40 L=5              |         | *     |      | 2   |
| 8   | SK3381300SC  | WOOD SCREW D=3.8 L=13          |         | *     |      | 2   |
| 9   | WP0410846SC  | WASHER                         |         | *     |      | 2   |
| 10  | D2426284Y00  | NEEDLE HOLE GUIDE              |         |       |      | 1   |
| 11  | MAZ088220BAA | BIG BUTTON PICK-UP FOOT (LEFT) |         |       |      | 1   |
| 12  | MAZ088230BAA | BIG BUTTON PICK-UP FOOT(RIGHT) |         |       |      | 1   |
| 13  | 18216457     | PICK-UP FOOT (LEFT) S ASM.     |         |       |      | 1   |
| 14  | 18216655     | PICK-UP FOOT (RIGHT) S ASM.    |         |       |      | 1   |
| 15  | 18216853     | PICK-UP FOOT (LEFT) M ASM.     |         |       |      | 1   |
| 16  | 18216952     | PICK-UP FOOT (RIGHT) M ASM.    |         |       |      | 1   |
| 17  | 18216002     | WORK ATTACHMENT(THICK BUTTON)  |         |       |      | 1   |
| 18  | 18216101     | SPACER A                       |         |       |      | 1   |
| 19  | 18216200     | SPACER B                       |         |       |      | 1   |
| 20  | 18216309     | SPACER C                       |         |       |      | 1   |
| 21  | 18217000     | FOUR PIN BUTTON CARRIER 3-1.2  |         |       |      | 1   |
| 22  | 18217109     | FOUR PIN BUTTON CARRIER 2.6-1  |         |       |      | 1   |





## HOW TO MAKE USE OF THIS PARTS LIST

### 1.Explanation of codes

1)"\*"mark.....means this part is changed from the previous parts book.

As to the details of the change, refer to the "List for information of change".

2)"#01".....refer to "Note" explanation at bottom of page.

### 2.Codes on the "Qty" column

• Each numeral indicates the number of parts required.

• "0.1" and "2.5" indicate the length (in meters) of the respective parts.

3.Parentheses mean that the corresponding part is a subpart that constructs an assembly part.

4.Dotted lines on the Figures indicate assembly parts.

### 1."注記"欄の記号説明

1) "\*"印.....前回のパーツブックに比較して今回変更された部品を意味します。

変更内容は、"変更情報リスト"を参照してください。

2) "#01".....ページ下の"注記"の説明を参照してください。

2.数量欄の数字は、個数を表し、0.1、2.5等の数値は、長さ（単位メートル）を表します。

3.数量欄の（ ）は、組部品を構成している子部品であることを意味します。

4.イラストページの-----枠は、組構成であることを意味します。

Other parts list related to this model.

この機種に関するパーツリストとして下記のパーツリストがあります。

LK-1900

Computer-controlled High-speed Bar-tacking Industrial Sewing Machine.

高速電子門止めミシン

NUMERICAL INDEX OF PARTS

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| 11110707 | 16   | 62      | 14190557 | 6    | 20-21   | 16565400 | 22   | 54      |
| 11155108 | 32   | 62      | 14191951 | 30   | 2       | 16565509 | 22   | 55      |
| 11155207 | 30   | 32      | 14192009 | 30   | 1       | 16565707 | 20   | 7       |
| 11158300 | 30   | 7       | 16550105 | 10   | 38      | 16565905 | 20   | 22      |
| 11158409 | 30   | 8       | 16550204 | 14   | 42      | 16566002 | 20   | 4       |
| 11158516 | 30   | 11      | 16550402 | 14   | 40      | 16566408 | 20   | 25      |
| 11158607 | 30   | 9       | 16551806 | 14   | 30      | 16566507 | 20   | 1       |
| 11159001 | 30   | 14      | 16551905 | 14   | 16      | 16566606 | 20   | 10      |
| 11159506 | 30   | 30      | 16552309 | 14   | 21      | 16567000 | 20   | 14      |
| 11280856 | 32   | 75      | 16552507 | 10   | 1       | 16567166 | 20   | 31      |
| 13517602 | 6    | 2       | 16552606 | 10   | 10      | 16567802 | 20   | 40      |
| 13540901 | 6    | 33      | 16553208 | 10   | 21      | 16567901 | 20   | 43      |
| 13541313 | 2    | 13      | 16553208 | 20   | 5       | 16568206 | 22   | 51      |
| 13551205 | 52   | 2       | 16553307 | 10   | 22      | 16568404 | 24   | 30      |
| 13551254 | 52   | 1       | 16554008 | 10   | 20      | 16568602 | 26   | 61      |
| 13811906 | 8    | 57      | 16554008 | 20   | 38      | 16568651 | 26   | 60      |
| 13812003 | 8    | 58      | 16554503 | 10   | 30      | 16568909 | 24   | 26      |
| 13812102 | 52   | 15      | 16556300 | 14   | 44      | 16569204 | 26   | 68      |
| 13817754 | 30   | 13      | 16556409 | 14   | 43      | 16569501 | 24   | 18      |
| 13864509 | 4    | 17      | 16556607 | 14   | 34      | 16569600 | 24   | 17      |
| 13943204 | 52   | 5       | 16556706 | 10   | 14      | 16570103 | 24   | 21      |
| 14100408 | 32   | 70      | 16556805 | 10   | 25      | 16570202 | 24   | 22      |
| 14100457 | 32   | 69      | 16557209 | 10   | 4       | 16570301 | 24   | 23      |
| 14118152 | 30   | 3       | 16557209 | 22   | 68      | 16570509 | 26   | 48      |
| 14118251 | 30   | 4       | 16557308 | 14   | 15      | 16570657 | 26   | 51      |
| 14141402 | 6    | 11      | 16557407 | 14   | 4       | 16570707 | 24   | 33      |
| 14142251 | 4    | 13      | 16557506 | 10   | 29      | 16570905 | 24   | 37      |
| 14145106 | 6    | 1       | 16557605 | 10   | 34      | 16571408 | 26   | 49      |
| 14146104 | 6    | 10      | 16557902 | 14   | 9       | 16571507 | 24   | 43      |
| 14146203 | 6    | 8       | 16558009 | 52   | 33      | 16571804 | 24   | 45      |
| 14146302 | 6    | 13      | 16558108 | 52   | 36      | 16571903 | 24   | 15      |
| 14146708 | 52   | 29      | 16558801 | 14   | 17      | 16572406 | 20   | 24      |
| 14146757 | 52   | 27      | 16559007 | 10   | 31      | 16572505 | 20   | 41      |
| 14146807 | 52   | 28      | 16559601 | 10   | 45      | 16572703 | 24   | 65      |
| 14146906 | 8    | 69      | 16560104 | 18   | 14      | 16572703 | 26   | 65      |
| 14147003 | 2    | 12      | 16560203 | 18   | 32      | 16573008 | 24   | 14      |
| 14147508 | 4    | 6       | 16560302 | 18   | 21      | 16573305 | 20   | 44      |
| 14147607 | 4    | 4       | 16561607 | 18   | 15      | 16573701 | 24   | 2       |
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| SM8050602TP | 10   | 9       | WP0430800SC | 20   | 65      | WS0610002KN | 10   | 44      |
| SM8050602TP | 14   | 2       | WP0430800SC | 22   | 65      | WS0610002KN | 18   | 34      |
| SM8050602TP | 18   | 26      | WP0430800SC | 24   | 36      | WS0610002KN | 22   | 71      |
| SM8050612TP | 18   | 12      | WP0430800SC | 28   | 13      | WS0610002KN | 28   | 7       |
| SM8050812TP | 18   | 16      | WP0430801SC | 16   | 59      | WS0610002KN | 44   | 47      |
| SM8050842TP | 18   | 31      | WP0450801SD | 4    | 18      | WS0621210KR | 30   | 21      |
| SM8050842TP | 24   | 44      | WP0450801SD | 28   | 29      | WS0861410KR | 30   | 29      |
| SM9040600SP | 42   | 39      | WP0450801SD | 52   | 10      | WZ0640200KP | 4    | 21      |
| SM9042510SC | 42   | 37      | WP0501016SC | 54   | 6       |             |      |         |
| SM9061203SE | 30   | 19      | WP0501016SD | 6    | 73      |             |      |         |
| SM9082023SE | 30   | 22      | WP0501016SD | 8    | 73      |             |      |         |
| SM9086523SE | 30   | 31      | WP0531000SC | 28   | 30      |             |      |         |
| SS1090510SP | 54   | 7       | WP0531000SC | 42   | 33      |             |      |         |
| SS4110615SP | 4    | 12      | WP0531000SD | 8    | 50      |             |      |         |
| SS4110715SP | 52   | 8       | WP0611626SP | 32   | 60      |             |      |         |
| SS4110815SP | 28   | 3       | WP0612056SD | 30   | 38      |             |      |         |
| SS6080340SP | 52   | 30      | WP0612516SD | 8    | 65      |             |      |         |
| SS6111010TP | 4    | 1       | WP0621036SP | 32   | 74      |             |      |         |
| SS6111140SP | 32   | 71      | WP0641600SC | 18   | 35      |             |      |         |
| SS6121210SP | 2    | 18      | WP0641600SC | 22   | 72      |             |      |         |
| SS6621220SP | 4    | 3       | WP0641600SC | 28   | 6       |             |      |         |
| SS7060310SP | 4    | 8       | WP0651001SC | 44   | 46      |             |      |         |
| SS7080510TP | 2    | 2       | WP0651646SC | 30   | 39      |             |      |         |
| SS7090410SP | 6    | 23      | WP0671016SE | 30   | 20      |             |      |         |
| SS7091480SP | 6    | 41      | WP0740516SP | 52   | 14      |             |      |         |
| SS7110840SP | 8    | 70      | WP0841601SC | 28   | 28      |             |      |         |
| SS9090813TP | 52   | 32      | WP0871602SE | 30   | 28      |             |      |         |
| SS9091010SP | 6    | 9       | WS0310002KN | 12   | 50      |             |      |         |
| SS9110460CP | 6    | 26      | WS0310002KN | 14   | 39      |             |      |         |
| SS9110543CP | 8    | 71      | WS0310002KN | 26   | 58      |             |      |         |
| SS9151120CP | 8    | 64      | WS0310702KS | 44   | 35      |             |      |         |
| SS9621413SP | 6    | 27      | WS0410002KN | 8    | 51      |             |      |         |
| ST40316110R | 48   | 10      | WS0410002KN | 10   | 46      |             |      |         |
| SV4031006SR | 48   | 12      | WS0410002KN | 14   | 60      |             |      |         |
| TA1250705R0 | 4    | 10      | WS0410002KN | 16   | 60      |             |      |         |
| TA2100904R0 | 8    | 53      | WS0410002KN | 20   | 67      |             |      |         |
| WP0280500SC | 24   | 9       | WS0410002KN | 22   | 67      |             |      |         |
| WP0320500SC | 12   | 51      | WS0410002KN | 24   | 35      |             |      |         |