

Portable Zigzag Sewing Machine

# HZL-60 CE

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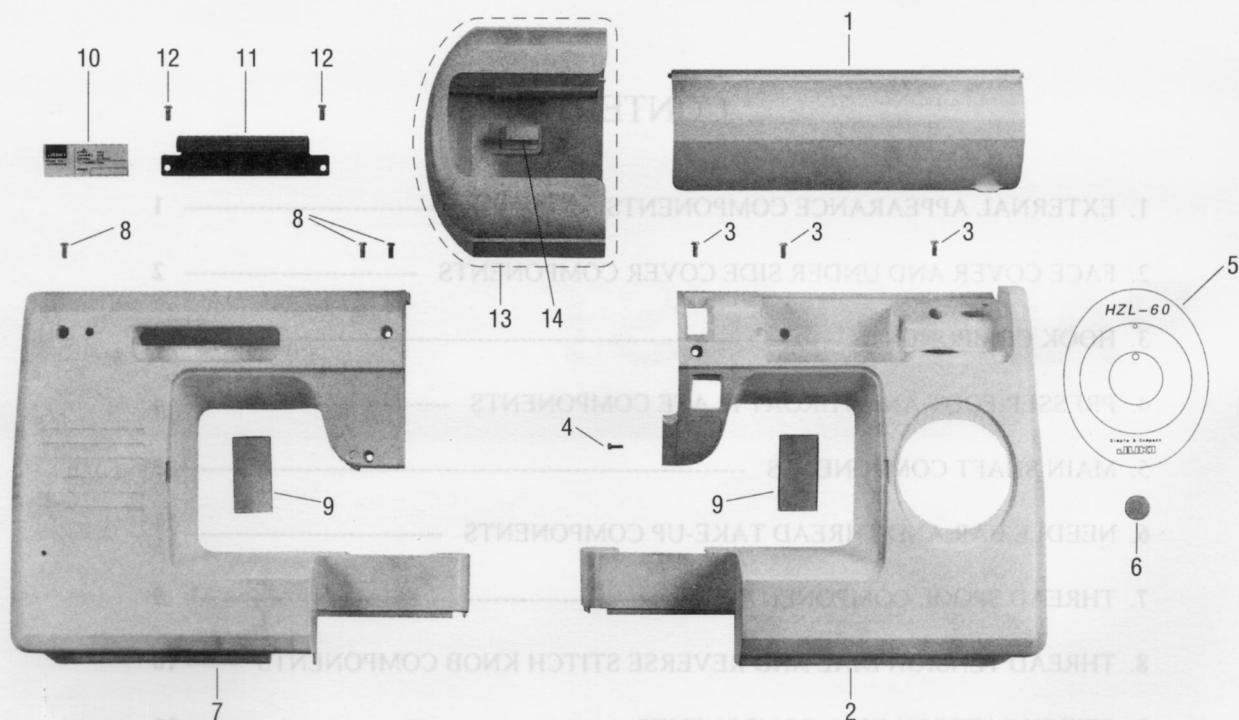
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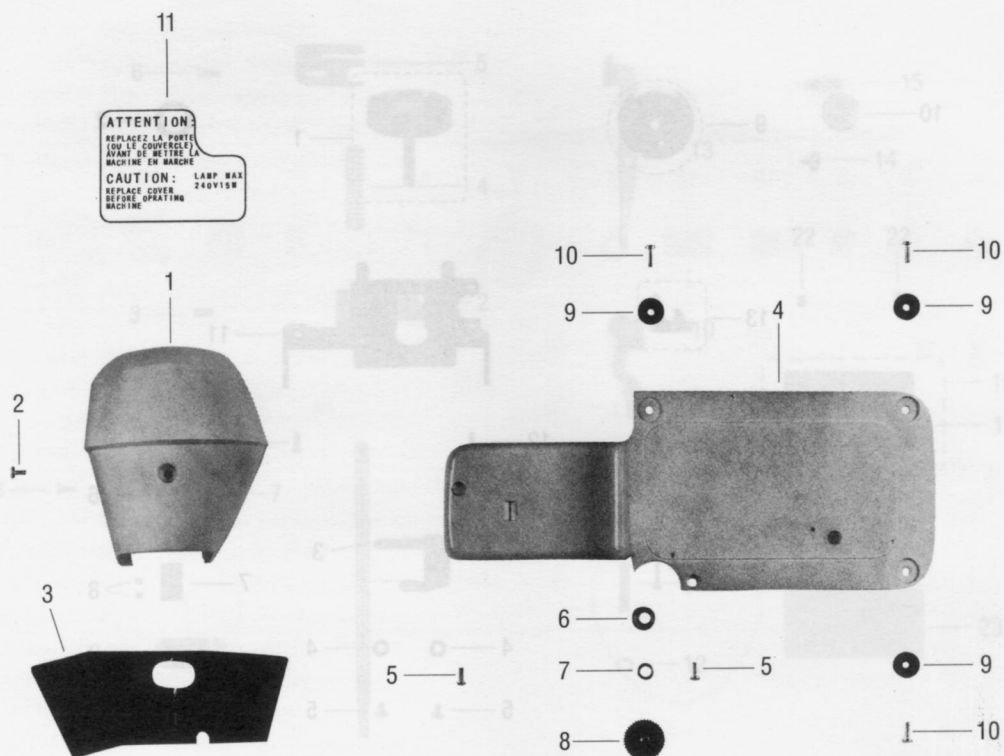
| Ref. No. | Part Name                       | Part No.      | QTY |
|----------|---------------------------------|---------------|-----|
| 1        | Face cover                      | 01103004-283  | 1   |
| 2        | Reflector plate                 | 01103005-000  | 1   |
| 3        | Front cover set screw (M4)      | 320140101-074 | 1   |
| 4        | Under side cover set screw (M4) | 320140101-074 | 1   |
| 5        | Washer                          | 01103005-000  | 1   |
| 6        | Adjusting screw                 | 01103005-000  | 1   |
| 7        | Base cover                      | 01103005-000  | 1   |
| 8        | Base cover set screw (M4)       | 320140101-074 | 1   |
| 9        | Base cover set screw (M4)       | 320140101-074 | 1   |
| 10       | Base cover set screw (M4)       | 320140101-074 | 1   |
| 11       | Base cover set screw (M4)       | 320140101-074 | 1   |
| 12       | Base cover set screw (M4)       | 320140101-074 | 1   |
| 13       | Base cover set screw (M4)       | 320140101-074 | 1   |
| 14       | Base cover set screw (M4)       | 320140101-074 | 1   |

# 1. EXTERNAL APPEARANCE COMPONENTS



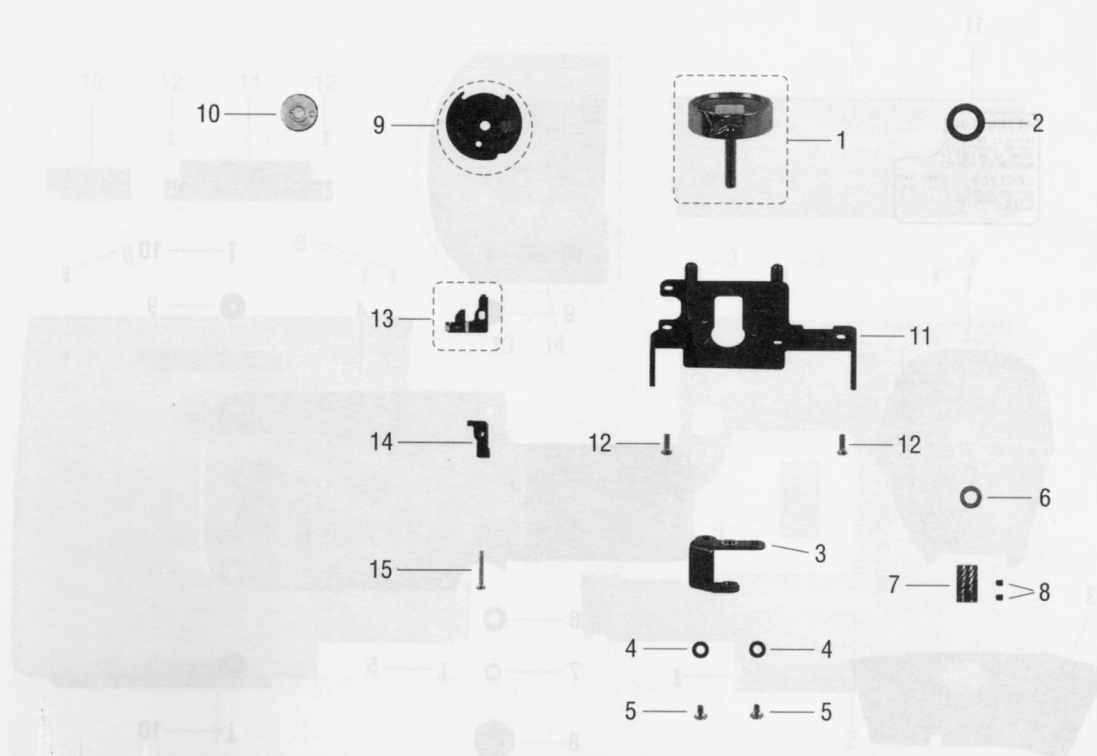
| Ref. No. | Part No.      | Part description           | Amt. req. | Note |
|----------|---------------|----------------------------|-----------|------|
| 1        | 011043004-383 | Arm cover                  | 1         |      |
| 2        | A3901-60C-000 | Front cover                | 1         |      |
| 3        | 320140101-074 | Front cover set screw (M4) | 3         |      |
| 4        | 171418009-034 | Front cover t. screw (M3)  | 1         |      |
| 5        | A3911-60C-000 | Panel                      | 1         |      |
| 6        | 010982003-383 | Controller socket cap      | 1         |      |
| 7        | A3931-60C000  | Rear cover                 | 1         |      |
| 8        | 320140101-074 | Rear cover set screw (M4)  | 3         |      |
| 9        | 011054002-000 | Silencer sheet             | 2         |      |
| 10       | A7104-60C-000 | Rating plate               | 1         |      |
| 11       | 011047009-000 | Handle                     | 1         |      |
| 12       | 320140101-074 | Handle set screw (M4)      | 2         |      |
| 13       | A1162-067-0A0 | Auxiliary bed (asm.)       | 1         |      |
| 14       | A1164-067-000 | Auxiliary bed spring       | (1)       |      |

## 2. FACE COVER AND UNDER SIDE COVER COMPONENTS



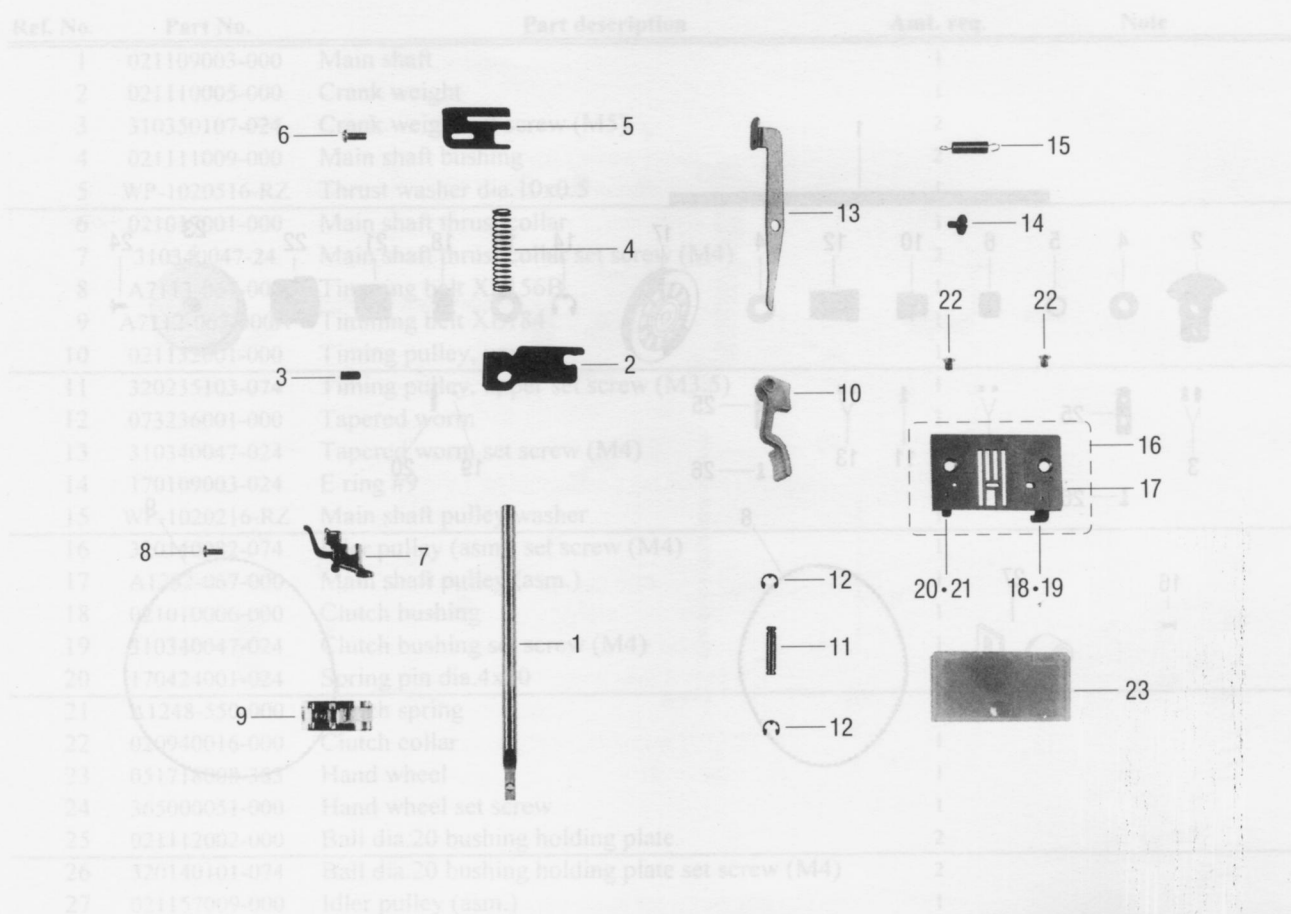
| Ref. No. | Part No.      | Part description                  | Amt. req. | Note |
|----------|---------------|-----------------------------------|-----------|------|
| 1        | A3115-067-000 | Face cover                        | 1         |      |
| 2        | 320240081-074 | Face cover set screw (M4)         | 1         |      |
| 3        | 011052005-000 | Reflector plate                   | 1         |      |
| 4        | 011048002-383 | Under side cover                  | 1         |      |
| 5        | 320140101-074 | Under side cover set screw (M4)   | 2         |      |
| 6        | 010820000-000 | Adjusting screw torque spring     | 1         |      |
| 7        | 160018009-034 | Washer                            | 1         |      |
| 8        | A1158-067-000 | Adjusting screw                   | 1         |      |
| 9        | 010404009-000 | Base bottom rubber                | 3         |      |
| 10       | 320240123-074 | Base bottom rubber set screw (M4) | 3         |      |
| 11       | A3807-60C-Z00 | Lamp caution label                | 1         |      |

### 3. HOOK COMPONENTS



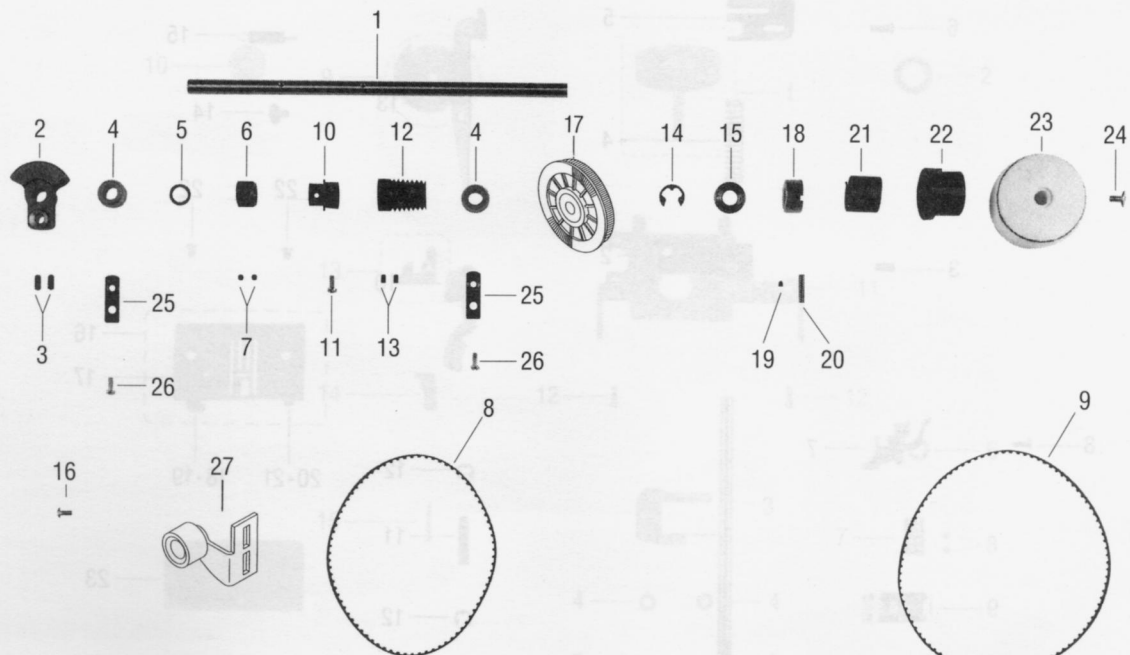
| Ref. No. | Part No.      | Part description                        | Amt. req. | Note |
|----------|---------------|-----------------------------------------|-----------|------|
| 1        | 041214001-000 | Outer hook (asm.)                       | 1         |      |
| 2        | 041098004-000 | Bobbin case retaining magnet            | 1         |      |
| 3        | 041215005-000 | Outer hook holding plate                | 1         |      |
| 4        | 171104002-034 | Washer for set screw (M4)               | 2         |      |
| 5        | 320240068-074 | Outer hook holding plate set screw (M4) | 2         |      |
| 6        | WZ-0641500-TH | Washer                                  | 1         |      |
| 7        | 041216009-000 | Outer hook gear                         | 1         |      |
| 8        | 310340047-024 | Outer hook gear set screw (M4)          | 2         |      |
| 9        | 041124007-000 | Bobbin case (asm.)                      | 1         |      |
| 10       | 001141000-000 | Transparent bobbin                      | 1         |      |
| 11       | 041213008-000 | Hook holding plate                      | 1         |      |
| 12       | 320140101-074 | Hook holding plate set screw (M4)       | 2         |      |
| 13       | A1835-067-0A0 | Bobbin case turn stopper base (asm.)    | 1         |      |
| 14       | A1853-067-000 | Bobbin case turn stopper spacer         | 1         |      |
| 15       | 320230208-074 | Bobbin case turn stopper set screw (M3) | 1         |      |

#### 4. PRESSER FOOT AND THROAT PLATE COMPONENTS



| Ref. No. | Part No.      | Part description                              | Amt. req. | Note |
|----------|---------------|-----------------------------------------------|-----------|------|
| 1        | 020708007-000 | Presser bar                                   | 1         |      |
| 2        | 021130004-000 | Presser bar guide                             | 1         |      |
| 3        | 310350107-024 | Presser bar guide set screw (M5)              | 1         |      |
| 4        | 020689008-000 | Presser spring                                | 1         |      |
| 5        | 021131008-000 | Presser spring holder                         | 1         |      |
| 6        | 320140101-074 | Presser spring holder set screw (M4)          | 1         |      |
| 7        | 000421462-000 | Presser holder                                | 1         |      |
| 8        | 123010006-074 | Presser holder set screw                      | 1         |      |
| 9        | 000421474-000 | Presser foot for zigzag                       | 1         |      |
| 10       | 021036007-383 | Lifting lever                                 | 1         |      |
| 11       | 021150003-000 | Lifting lever shaft                           | 1         |      |
| 12       | 170104005-024 | E ring #4                                     | 2         |      |
| 13       | 051893005-000 | Thread release                                | 1         |      |
| 14       | 353500135-024 | Thread release hinge screw (M3.5)             | 1         |      |
| 15       | 040678002-000 | Thread release spring                         | 1         |      |
| 16       | 041252002-000 | Throat plate (asm.)                           | 1         |      |
| 17       | 041218006-000 | Throat plate                                  | (1)       |      |
| 18       | 041219000-000 | Hook cover support                            | (1)       |      |
| 19       | 320120034-034 | Hook cover support set screw (M2)             | (1)       |      |
| 20       | 041220001-000 | Bobbin case turn stopper plate                | (1)       |      |
| 21       | 320120034-034 | Bobbin case turn stopper plate set screw (M2) | (1)       |      |
| 22       | 134002002-014 | Throat plate screw                            | 2         |      |
| 23       | A1110-067-000 | Hook cover                                    | 1         |      |

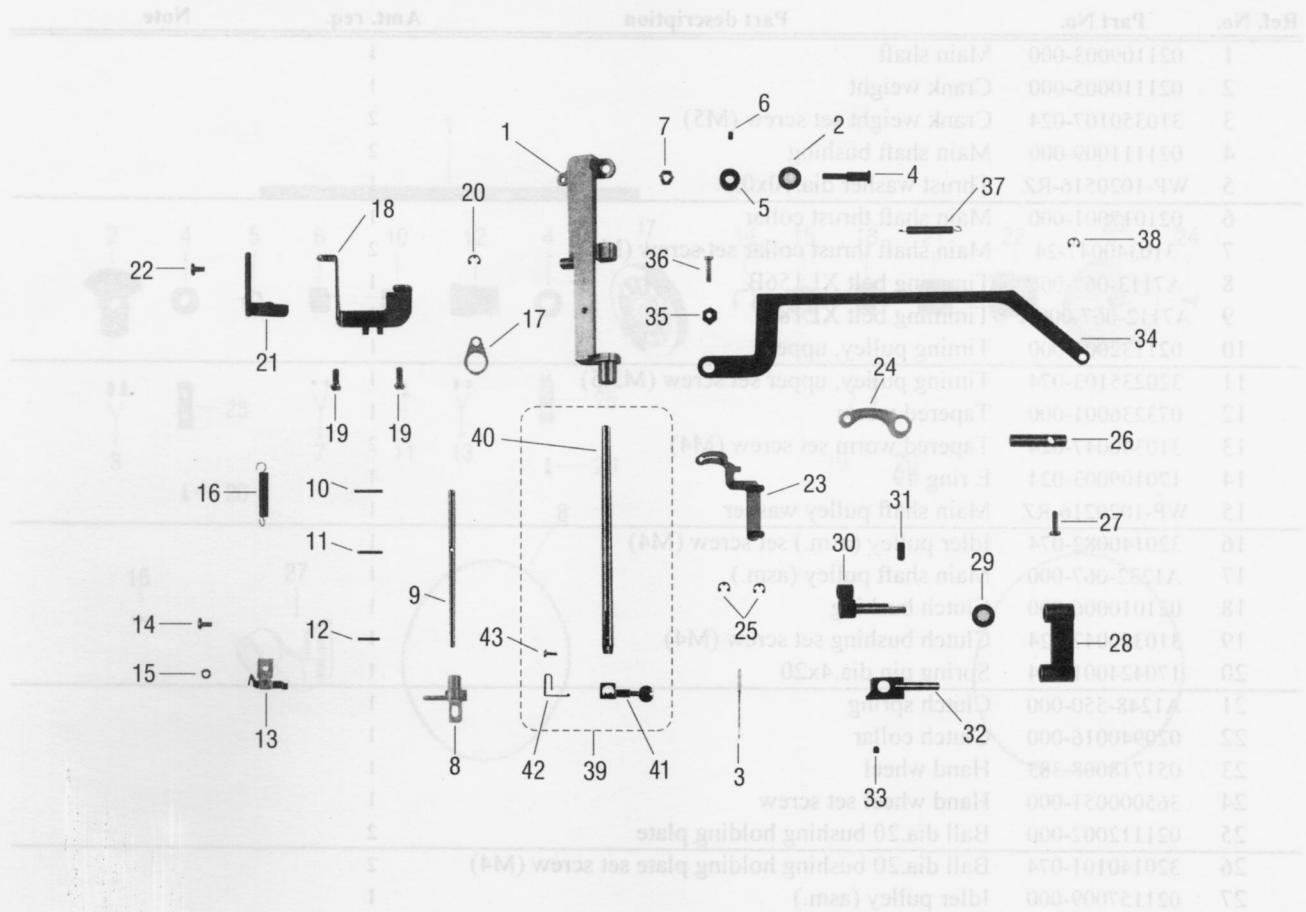
## 5. MAIN SHAFT COMPONENTS



| Ref. No. | Part description                              | Part No.      | Ref. No. | Part description                              | Part No.      |
|----------|-----------------------------------------------|---------------|----------|-----------------------------------------------|---------------|
| 1        | Presser bar                                   | 020708007-000 | 23       | Hook cover                                    | A1110-067-000 |
| 2        | Presser bar guide                             | 021130004-000 | 24       | Throat plate screw                            | 134002002-014 |
| 3        | Presser bar guide set screw (M2)              | 310320107-024 | 25       | Throat plate                                  | 041218006-000 |
| 4        | Presser spring                                | 020689008-000 | 26       | Hook cover support                            | 041219000-000 |
| 5        | Presser spring holder (4M) washer set         | 021131008-000 | 27       | Hook cover support set screw (M2)             | 320120034-034 |
| 6        | Presser spring holder set screw (M4)          | 320140101-034 | 28       | Bobbin case turn stopper plate                | 041230001-000 |
| 7        | Presser holder                                | 000421462-000 | 29       | Bobbin case turn stopper plate set screw (M2) | 320120034-034 |
| 8        | Presser holder set screw                      | 123010006-034 | 30       | Throat plate                                  | 041218006-000 |
| 9        | Presser foot for zigzag                       | 000421474-000 | 31       | Throat plate                                  | 041218006-000 |
| 10       | Lifting lever                                 | 021036007-383 | 32       | Hook holding plate                            | 021130003-000 |
| 11       | Lifting lever shaft                           | 021130003-000 | 33       | Hook holding plate set screw (M2)             | 310320107-024 |
| 12       | E ring M4                                     | 170104002-024 | 34       | Bobbin case turn stopper                      | 000421474-000 |
| 13       | Thread release                                | 021893002-000 | 35       | Bobbin case turn stopper set screw (M2)       | 320120034-034 |
| 14       | Thread release hinge screw (M3)               | 323200132-024 | 36       | Bobbin case turn stopper set screw (M2)       | 320120034-034 |
| 15       | Thread release spring (EM)                    | 040678002-000 | 37       | Bobbin case turn stopper set screw (M2)       | 320120034-034 |
| 16       | Throat plate (asm.)                           | 041232002-000 | 38       | Bobbin case turn stopper set screw (M2)       | 320120034-034 |
| 17       | Throat plate                                  | 041218006-000 | 39       | Bobbin case turn stopper set screw (M2)       | 320120034-034 |
| 18       | Hook cover support                            | 041219000-000 | 40       | Bobbin case turn stopper set screw (M2)       | 320120034-034 |
| 19       | Hook cover support set screw (M2)             | 320120034-034 | 41       | Bobbin case turn stopper set screw (M2)       | 320120034-034 |
| 20       | Bobbin case turn stopper plate                | 041230001-000 | 42       | Bobbin case turn stopper set screw (M2)       | 320120034-034 |
| 21       | Bobbin case turn stopper plate set screw (M2) | 320120034-034 | 43       | Bobbin case turn stopper set screw (M2)       | 320120034-034 |
| 22       | Throat plate screw                            | 134002002-014 | 44       | Bobbin case turn stopper set screw (M2)       | 320120034-034 |
| 23       | Hook cover                                    | A1110-067-000 | 45       | Bobbin case turn stopper set screw (M2)       | 320120034-034 |

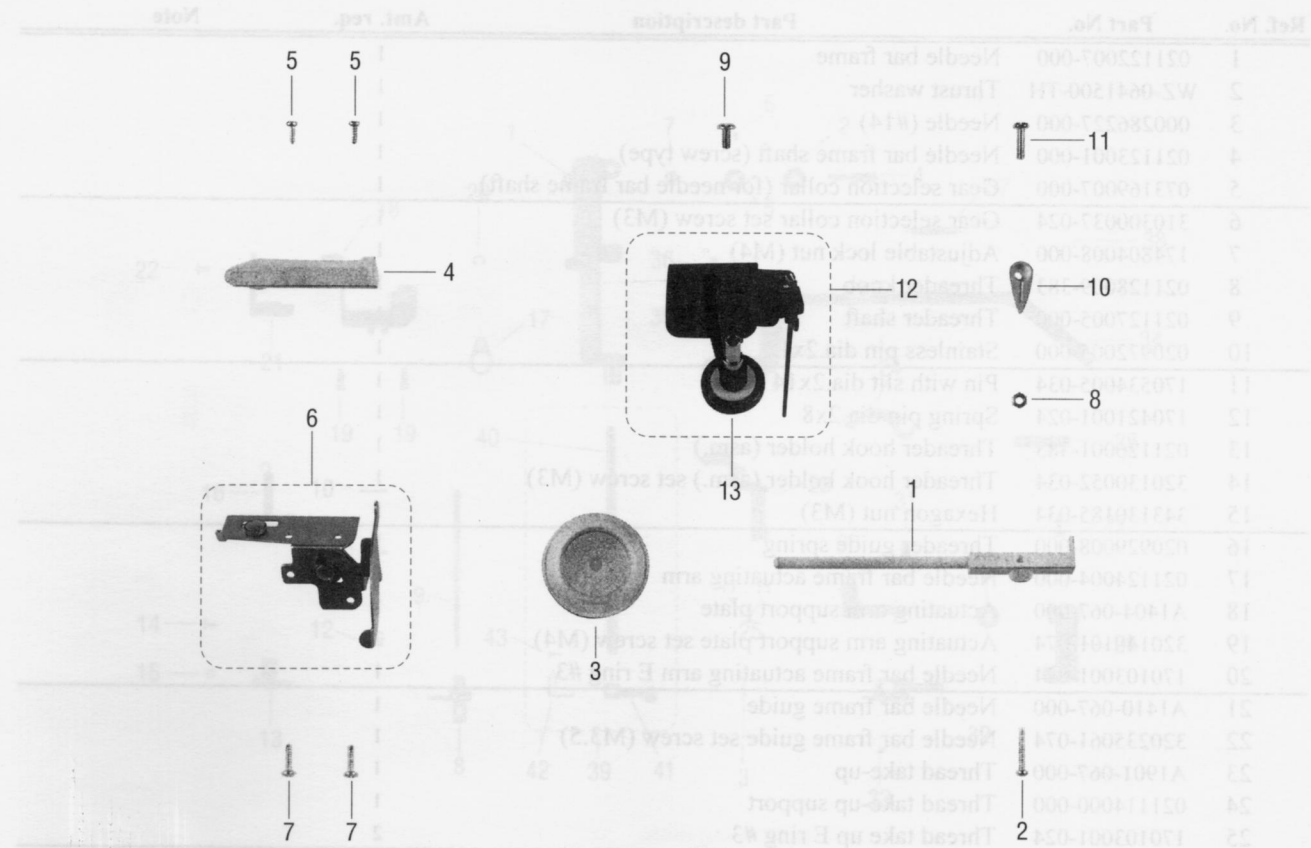
| Ref. No. | Part No.       | Part description                                 | Amt. req. | Note |
|----------|----------------|--------------------------------------------------|-----------|------|
| 1        | 021109003-000  | Main shaft                                       | 1         |      |
| 2        | 021110005-000  | Crank weight                                     | 1         |      |
| 3        | 310350107-024  | Crank weight set screw (M5)                      | 2         |      |
| 4        | 021111009-000  | Main shaft bushing                               | 2         |      |
| 5        | WP-1020516-RZ  | Thrust washer dia.10x0.5                         | 1         |      |
| 6        | 021017001-000  | Main shaft thrust collar                         | 1         |      |
| 7        | 310340047-24   | Main shaft thrust collar set screw (M4)          | 2         |      |
| 8        | A7113-067-000  | Timing belt XL156B                               | 1         |      |
| 9        | A7112-067-000A | Timing belt XL184                                | 1         |      |
| 10       | 021132001-000  | Timing pulley, upper                             | 1         |      |
| 11       | 320235103-074  | Timing pulley, upper set screw (M3.5)            | 1         |      |
| 12       | 073236001-000  | Tapered worm                                     | 1         |      |
| 13       | 310340047-024  | Tapered worm set screw (M4)                      | 2         |      |
| 14       | 170109003-024  | E ring #9                                        | 1         |      |
| 15       | WP-1020216-RZ  | Main shaft pulley washer                         | 1         |      |
| 16       | 320140082-074  | Idler pulley (asm.) set screw (M4)               | 1         |      |
| 17       | A1232-067-000  | Main shaft pulley (asm.)                         | 1         |      |
| 18       | 021010006-000  | Clutch bushing                                   | 1         |      |
| 19       | 310340047-024  | Clutch bushing set screw (M4)                    | 1         |      |
| 20       | 170424001-024  | Spring pin dia.4x20                              | 1         |      |
| 21       | A1248-550-000  | Clutch spring                                    | 1         |      |
| 22       | 020940016-000  | Clutch collar                                    | 1         |      |
| 23       | 051718008-383  | Hand wheel                                       | 1         |      |
| 24       | 365000051-000  | Hand wheel set screw                             | 1         |      |
| 25       | 021112002-000  | Ball dia.20 bushing holding plate                | 2         |      |
| 26       | 320140101-074  | Ball dia.20 bushing holding plate set screw (M4) | 2         |      |
| 27       | 021157009-000  | Idler pulley (asm.)                              | 1         |      |
| 28       | 021118004-000  | Needle bar crank rod                             | 1         |      |
| 29       | WZ-0641500-711 | Washer                                           | 1         |      |
| 30       | 021116002-000  | Thread take-up crank                             | 1         |      |
| 31       | 310350107-024  | Thread take-up crank set screw (M5)              | 1         |      |
| 32       | 021119008-000  | Needle bar connection                            | 1         |      |
| 33       | 310340047-024  | Needle bar connection set screw (M4)             | 1         |      |
| 34       | 073440008-000  | Zigzag actuating plate                           | 1         |      |
| 35       | 021020001-000  | Hexagon eccentric shaft                          | 1         |      |
| 36       | 320140170-074  | Hexagon eccentric shaft set screw (M3)           | 1         |      |
| 37       | 073440008-000  | Zigzag actuating plate spring                    | 1         |      |
| 38       | 170109003-024  | Zigzag actuating plate E ring #3                 | 1         |      |
| 39       | 021021003-000  | Needle bar (asm.)                                | 1         |      |
| 40       | 021147004-000  | Needle bar                                       | 1         |      |
| 41       | 021021003-000  | Needle clamp (with screw)                        | 1         |      |
| 42       | 021145007-000  | Needle bar thread guide                          | 1         |      |
| 43       | 021021003-000  | Needle bar thread guide set screw                | 1         |      |

## 6. NEEDLE BAR AND THREAD TAKE-UP COMPONENTS



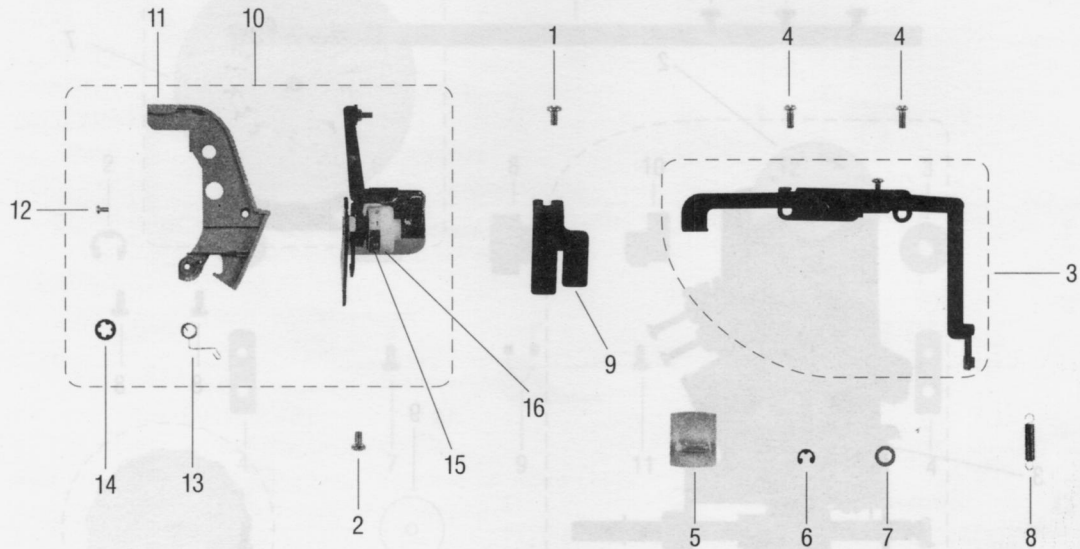
| Ref. No. | Part No.      | Part description                                   | Amt. req. | Note |
|----------|---------------|----------------------------------------------------|-----------|------|
| 1        | 021122007-000 | Needle bar frame                                   | 1         |      |
| 2        | WZ-0641500-TH | Thrust washer                                      | 1         |      |
| 3        | 000286227-000 | Needle (#14)                                       | 1         |      |
| 4        | 021123001-000 | Needle bar frame shaft (screw type)                | 1         |      |
| 5        | 073169007-000 | Gear selection collar (for needle bar frame shaft) | 1         |      |
| 6        | 310300037-024 | Gear selection collar set screw (M3)               | 1         |      |
| 7        | 174804008-000 | Adjustable lock nut (M4)                           | 1         |      |
| 8        | 021128009-383 | Threader knob                                      | 1         |      |
| 9        | 021127005-000 | Threader shaft                                     | 1         |      |
| 10       | 020972005-000 | Stainless pin dia.2x12                             | 1         |      |
| 11       | 170534005-034 | Pin with slit dia.2x14                             | 1         |      |
| 12       | 170421001-024 | Spring pin dia.2x8                                 | 1         |      |
| 13       | 021126001-383 | Threader hook holder (asm.)                        | 1         |      |
| 14       | 320130052-034 | Threader hook holder (asm.) set screw (M3)         | 1         |      |
| 15       | 343130185-034 | Hexagon nut (M3)                                   | 1         |      |
| 16       | 020929008-000 | Threader guide spring                              | 1         |      |
| 17       | 021124004-000 | Needle bar frame actuating arm                     | 1         |      |
| 18       | A1404-067-000 | Actuating arm support plate                        | 1         |      |
| 19       | 320140101-074 | Actuating arm support plate set screw (M4)         | 2         |      |
| 20       | 170103001-024 | Needle bar frame actuating arm E ring #3           | 1         |      |
| 21       | A1410-067-000 | Needle bar frame guide                             | 1         |      |
| 22       | 320235061-074 | Needle bar frame guide set screw (M3.5)            | 1         |      |
| 23       | A1901-067-000 | Thread take-up                                     | 1         |      |
| 24       | 021114000-000 | Thread take-up support                             | 1         |      |
| 25       | 170103001-024 | Thread take up E ring #3                           | 2         |      |
| 26       | 021115003-000 | Thread take-up support shaft                       | 1         |      |
| 27       | 320235127-074 | Thread take-up support shaft set screw (M3.5)      | 1         |      |
| 28       | 021118004-000 | Needle bar crank rod                               | 1         |      |
| 29       | WZ-0641500-TH | Washer                                             | 1         |      |
| 30       | 021116007-000 | Thread take-up crank                               | 1         |      |
| 31       | 310350107-024 | Thread take-up crank set screw (M5)                | 1         |      |
| 32       | 021119008-000 | Needle bar connection                              | 1         |      |
| 33       | 310340047-024 | Needle bar connection set screw (M4)               | 1         |      |
| 34       | 073424008-000 | Zigzag actuating plate                             | 1         |      |
| 35       | 021020001-000 | Hexagon eccentric shaft                            | 1         |      |
| 36       | 320130120-034 | Hexagon eccentric shaft set screw (M3)             | 1         |      |
| 37       | 073466003-000 | Zigzag actuating plate spring                      | 1         |      |
| 38       | 170103001-024 | Zigzag actuating plate E ring #3                   | 1         |      |
| 39       | 021121003-000 | Needle bar (asm.)                                  | 1         |      |
| 40       | 021147004-000 | Needle bar                                         | (1)       |      |
| 41       | 020802004-000 | Needle clamp (with screw)                          | (1)       |      |
| 42       | 021145007-000 | Needle bar thread guide                            | (1)       |      |
| 43       | 020804001-000 | Needle bar thread guide set screw                  | (1)       |      |

## 7. THREAD SPOOL COMPONENTS



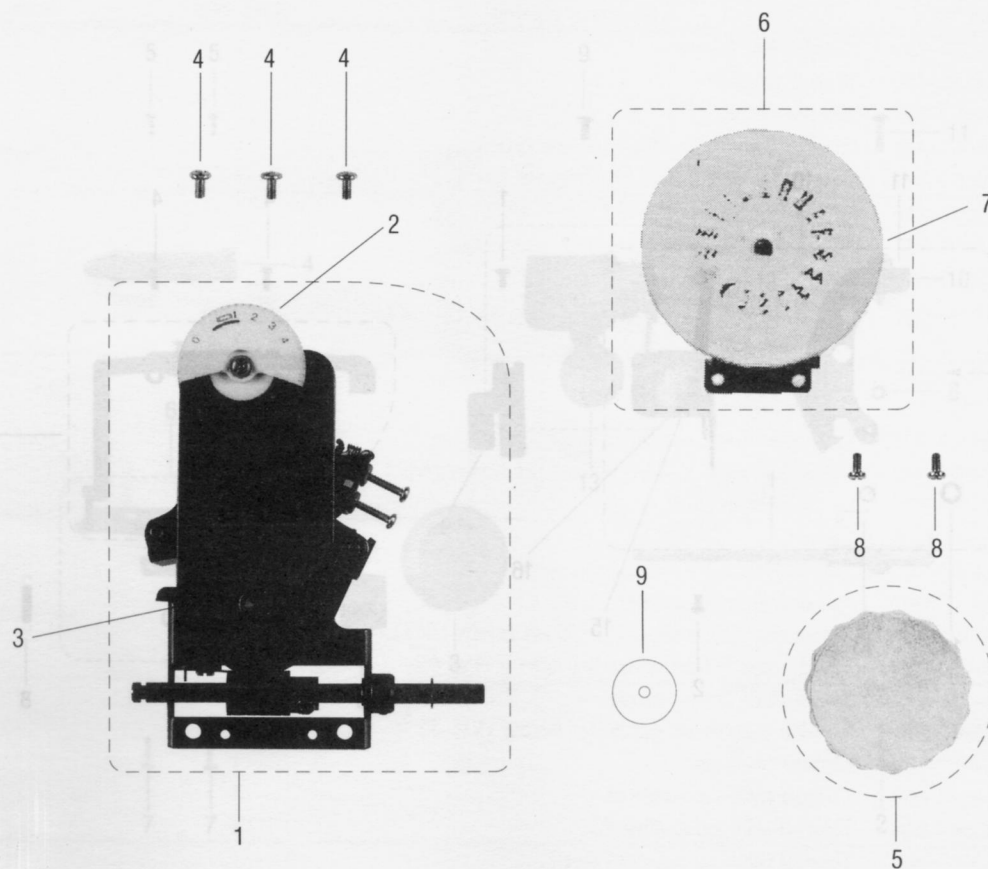
| Ref. No. | Part No.      | Part description                               | Amt. req. | Note |
|----------|---------------|------------------------------------------------|-----------|------|
| 1        | 051884004-383 | Thread stand bar                               | 1         |      |
| 2        | 171419007-034 | Thread stand t. screw (M3)                     | 1         |      |
| 3        | 051720003-383 | Bobbin winding regulator                       | 1         |      |
| 4        | A3182-067-000 | Thread guide cover                             | 1         |      |
| 5        | 171411003-034 | Thread guide cover set screw (M3)              | 2         |      |
| 6        | 051887005-000 | Bobbin thread guide plate (asm.)               | 1         |      |
| 7        | 171415008-034 | Bobbin thread guide plate (asm.) t. screw (M3) | 2         |      |
| 8        | 343135201-024 | Bobbin presser nut (M3.5)                      | 1         |      |
| 9        | 320240081-074 | Bobbin winder (asm.) set screw (M4)            | 1         |      |
| 10       | 051890004-383 | Bobbin presser                                 | 1         |      |
| 11       | 320235127-074 | Bobbin presser set screw (M3.5)                | 1         |      |
| 12       | 051891008-000 | Bobbin winder (asm.)                           | 1         |      |
| 13       | 050536004-000 | Bobbin winder rubber ring                      | (1)       |      |

## 8. THREAD TENSION DIAL AND REVERSE STITCH KNOB COMPONENTS



| Ref. No. | Part No.      | Part description                                | Amt. req. | Note |
|----------|---------------|-------------------------------------------------|-----------|------|
| 1        | 320240068-074 | Reverse stitch lever guide plate set screw (M4) | 1         |      |
| 2        | 320240081-074 | Thread tension dial (asm.) set screw (M4)       | 1         |      |
| 3        | 031205004-000 | Reverse stitch lever (asm.)                     | 1         |      |
| 4        | 320240101-074 | Reverse stitch lever (asm.) set screw (M4)      | 2         |      |
| 5        | 031193009-383 | Reverse stitch knob                             | 1         |      |
| 6        | 170104005-024 | E ring #4                                       | 1         |      |
| 7        | 160162009-000 | Washer                                          | 1         |      |
| 8        | 031202003-000 | Reverse stitch lever spring                     | 1         |      |
| 9        | 031201000-000 | Reverse stitch lever guide plate                | 1         |      |
| 10       | A2301-60C-0A0 | Thread tension dial (asm.)                      | 1         |      |
| 11       | 051910007-383 | Thread tension dial cover                       | (1)       |      |
| 12       | 320130052-034 | Thread tension dial cover set screw (M3)        | (1)       |      |
| 13       | A3128-067-000 | Thread take-up spring                           | (1)       |      |
| 14       | 172106007-000 | CS ring #6                                      | (1)       |      |
| 15       | A3126-60C-000 | Thread tension indication seal                  | (1)       |      |
| 16       | 051909005-383 | Thread tension dial knob                        | (1)       |      |

## 9. STITCH PATTERN DIAL COMPONENTS



| Ref. No. | Part No.      | Part description                                       | Amt. req. | Note |
|----------|---------------|--------------------------------------------------------|-----------|------|
| 1        | A2101-60C-0B0 | Installing plate (asm.)                                | 1         |      |
| 2        | 031197003-015 | Stitch length knob                                     | (1)       |      |
| 3        | 073420003-000 | Selection shaft gear                                   | (1)       |      |
| 4        | 320240081-074 | Installing plate (asm.) set screw (M4)                 | 3         |      |
| 5        | 051862008-383 | Stitch pattern dial knob (asm.)                        | 1         |      |
| 6        | 073526004-015 | Stitch pattern indication gear(asm.)                   | 1         |      |
| 7        | A3902-60C-000 | Stitch pattern indication gear                         | (1)       |      |
| 8        | 320235061-074 | Stitch pattern indication gear (asm.) set screw (M3.5) | 2         |      |
| 9        | A2120-60C-000 | Protective plate                                       | 1         |      |

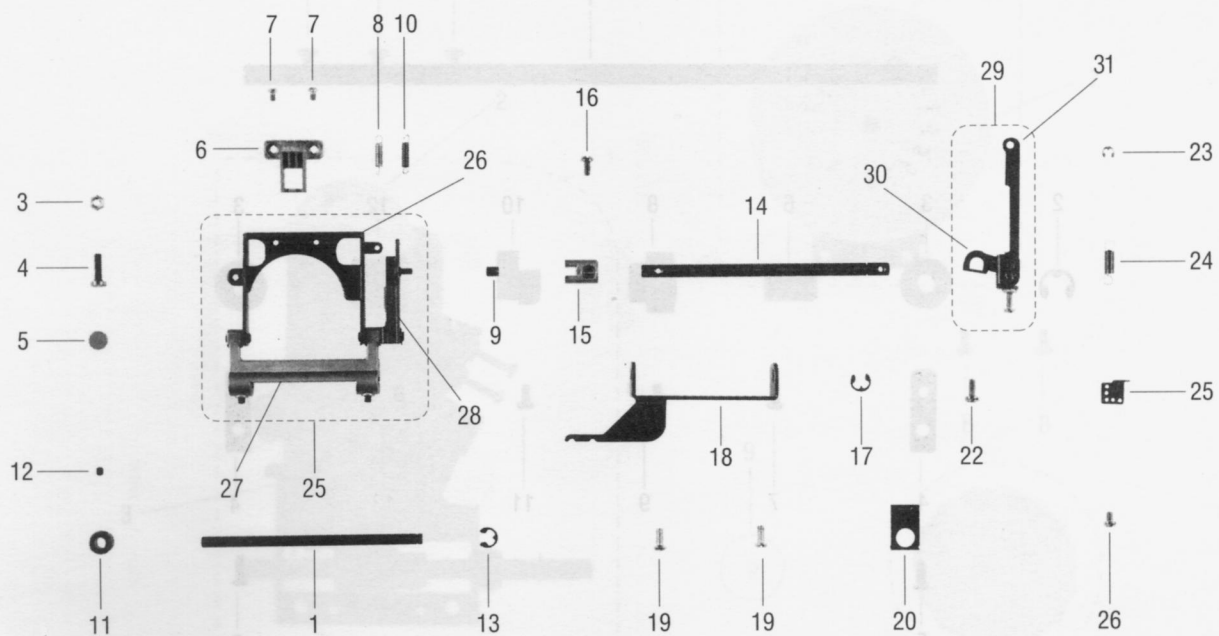
# 10. HOOK DRIVING SHAFT COMPONENTS

## 11. FEED MECHANISM COMPONENTS

| Ref. No. | Part No.      | Part description                         | Amt. req. | Note |
|----------|---------------|------------------------------------------|-----------|------|
| 1        | 041228001-000 | Feed arm shaft                           | 1         |      |
| 2        | 071014002-000 | Spring hook plate                        | 1         |      |
| 3        | 174804008-000 | Adjustable lock nut (M4)                 | 1         |      |
| 4        | 041249003-000 | Vertical feed adjusting shaft            | 1         |      |
| 5        | 041284000-000 | Vertical feed cam                        | 1         |      |
| 6        | 041222009-000 | Feed dog                                 | 1         |      |
| 7        | 320230051-074 | Feed dog set screw (M3)                  | 1         |      |
| 8        | 041224006-000 | Drawing spring                           | 1         |      |
| 9        | 041240001-000 | Horizontal feed arm roller               | 1         |      |
| 10       | 041243001-000 | Horizontal feed arm drawing spring       | 1         |      |
| 11       | 041243001-000 | Horizontal feed arm drawing spring       | 1         |      |
| 12       | 310340047-024 | Hook driving gear set screw (M4)         | 2         |      |
| 13       | 170105009-024 | E ring #3                                | 1         |      |
| 14       | 041232003-000 | Feed regulator shaft                     | 1         |      |
| 15       | 041231000-000 | Feed regulator                           | 1         |      |
| 16       | 320233127-074 | Feed regulator set screw (M3.5)          | 1         |      |
| 17       | 170105009-024 | E ring #3                                | 1         |      |
| 18       | 041233004-000 | Feed dog installing plate                | 1         |      |
| 19       | 320440101-074 | Feed dog installing plate set screw (M4) | 2         |      |
| 20       | 041233007-000 | Hook driving shaft support               | 1         |      |
| 21       | 320233061-074 | Spring hook plate set screw (M3.5)       | 1         |      |
| 22       | 320233085-074 | Feed driving arm (asm.) set screw (M3.5) | 1         |      |
| 23       | 170105001-024 | E ring #3                                | 1         |      |
| 24       | 031203007-000 | Feed regulator spring                    | 1         |      |
| 25       | 041223002-000 | Feed arm base (asm.)                     | 1         |      |
| 26       | 041223002-000 | Feed arm base                            | 1         |      |
| 27       | 041227007-000 | Feed arm                                 | 1         |      |

| Ref. No. | Part No.      | Part description                                 | Amt. req. | Note |
|----------|---------------|--------------------------------------------------|-----------|------|
| 1        | 041206004-000 | Hook driving shaft                               | 1         |      |
| 2        | 170107006-024 | E ring #7                                        | 1         |      |
| 3        | 041207008-000 | Hook driving shaft bushing                       | 2         |      |
| 4        | 021112002-000 | Ball dia.20 bushing holding plate                | 2         |      |
| 5        | 320140101-074 | Ball dia.20 bushing holding plate set screw (M4) | 2         |      |
| 6        | 041244005-000 | Vertical feed cam                                | 1         |      |
| 7        | 320235085-074 | Vertical feed cam set screw (M3.5)               | 1         |      |
| 8        | 041210007-000 | Hook driving gear                                | 1         |      |
| 9        | 310340047-024 | Hook driving gear set screw (M4)                 | 2         |      |
| 10       | 041245009-000 | Feed cam                                         | 1         |      |
| 11       | 320235085-074 | Feed cam set screw (M3.5)                        | 1         |      |
| 12       | 021054022-000 | Timing pulley, lower                             | 1         |      |
| 13       | 310350065-024 | Timing pulley, lower set screw (M5)              | 2         |      |

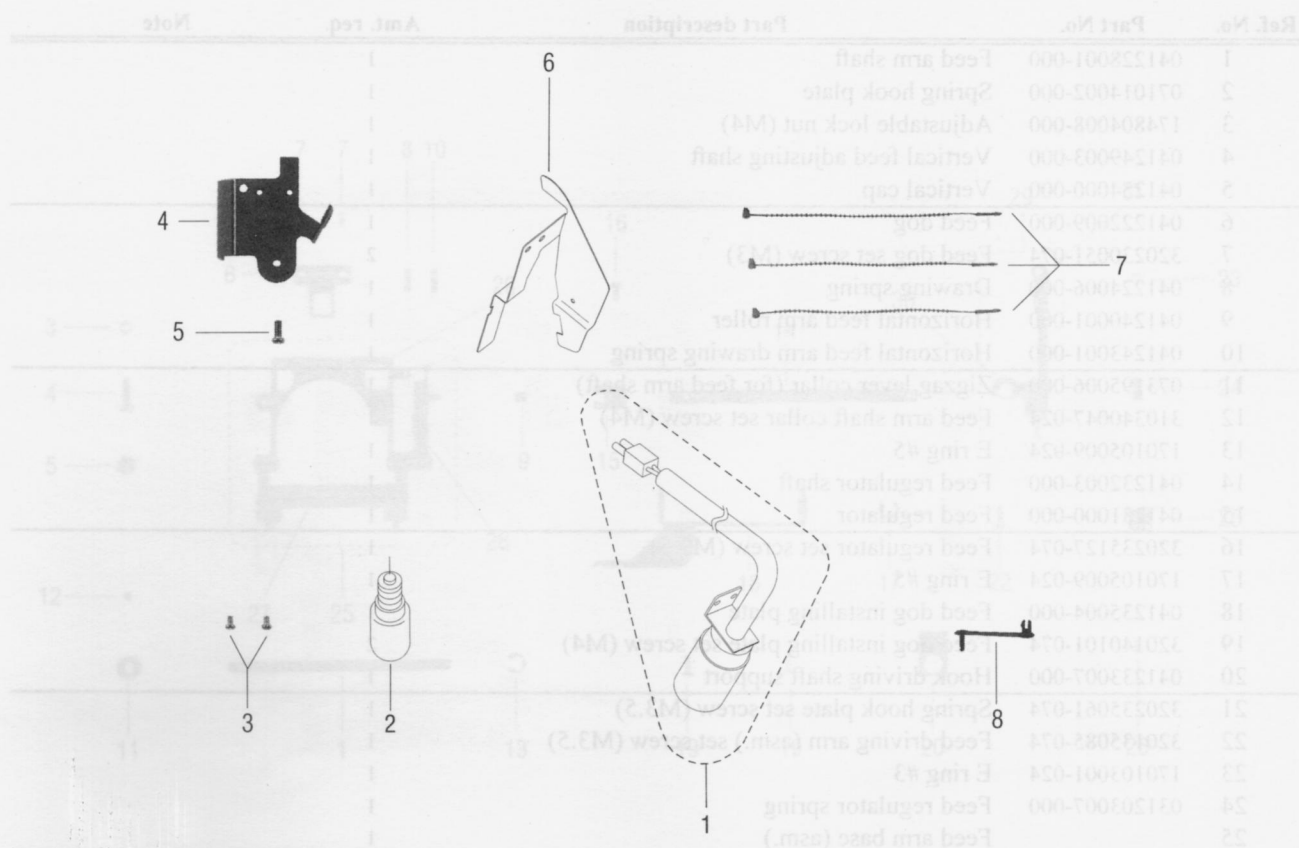
# 11. FEED MECHANISM COMPONENTS



| Ref. No. | Part No.      | Part description                              | Unit | Qty |
|----------|---------------|-----------------------------------------------|------|-----|
| 1        | 041206004-000 | Hook driving shaft                            | 1    | 1   |
| 2        | 170107006-024 | E ring                                        | 1    | 1   |
| 3        | 041207008-000 | Hook driving shaft bushing                    | 1    | 1   |
| 4        | 021112002-000 | Ball dia 20 bushing holding plate             | 1    | 1   |
| 5        | 320140101-024 | Ball dia 20 bushing holding plate (set screw) | 1    | 1   |
| 6        | 041244002-000 | Vertical feed cam                             | 1    | 1   |
| 7        | 320232082-024 | Vertical feed cam set screw (M3.2)            | 1    | 1   |
| 8        | 041210007-000 | Hook driving gear                             | 1    | 1   |
| 9        | 310340047-024 | Hook driving gear set screw (M4)              | 1    | 1   |
| 10       | 041212009-000 | Feed cam                                      | 1    | 1   |
| 11       | 320232082-024 | Feed cam set screw (M3.2)                     | 1    | 1   |
| 12       | 021024023-000 | Timing pulley, lower                          | 1    | 1   |
| 13       | 310320062-024 | Timing pulley, lower set screw (M2)           | 1    | 1   |

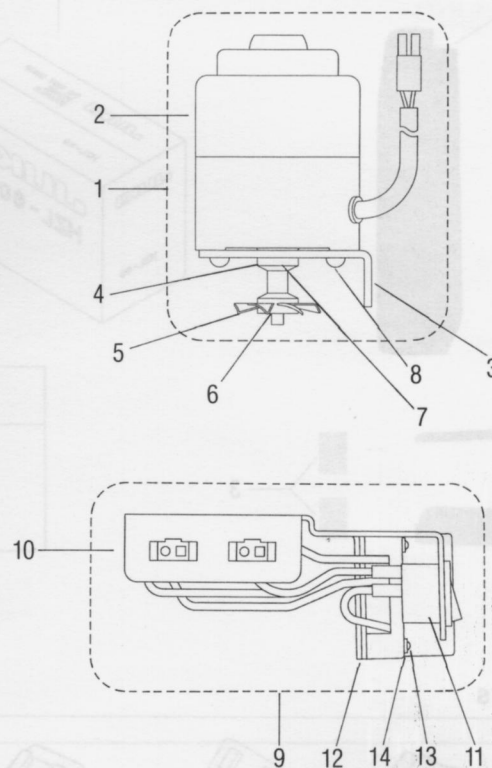
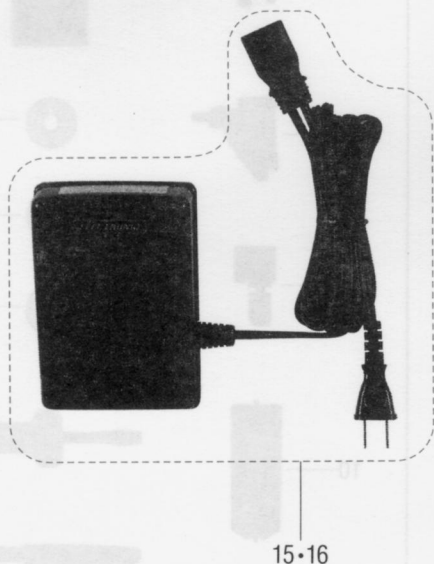
| Ref. No. | Part No.      | Part description                         | Amt. req. | Note |
|----------|---------------|------------------------------------------|-----------|------|
| 1        | 041228001-000 | Feed arm shaft                           | 1         |      |
| 2        | 071014002-000 | Spring hook plate                        | 1         |      |
| 3        | 174804008-000 | Adjustable lock nut (M4)                 | 1         |      |
| 4        | 041249003-000 | Vertical feed adjusting shaft            | 1         |      |
| 5        | 041254000-000 | Vertical cap                             | 1         |      |
| 6        | 041222009-000 | Feed dog                                 | 1         |      |
| 7        | 320230051-074 | Feed dog set screw (M3)                  | 2         |      |
| 8        | 041224006-000 | Drawing spring                           | 1         |      |
| 9        | 041240001-000 | Horizontal feed arm roller               | 1         |      |
| 10       | 041243001-000 | Horizontal feed arm drawing spring       | 1         |      |
| 11       | 073195006-000 | Zigzag lever collar (for feed arm shaft) | 1         |      |
| 12       | 310340047-024 | Feed arm shaft collar set screw (M4)     | 1         |      |
| 13       | 170105009-024 | E ring #5                                | 1         |      |
| 14       | 041232003-000 | Feed regulator shaft                     | 1         |      |
| 15       | 041231000-000 | Feed regulator                           | 1         |      |
| 16       | 320235127-074 | Feed regulator set screw (M3.5)          | 1         |      |
| 17       | 170105009-024 | E ring #5                                | 1         |      |
| 18       | 041235004-000 | Feed dog installing plate                | 1         |      |
| 19       | 320140101-074 | Feed dog installing plate set screw (M4) | 2         |      |
| 20       | 041233007-000 | Hook driving shaft support               | 1         |      |
| 21       | 320235061-074 | Spring hook plate set screw (M3.5)       | 1         |      |
| 22       | 320135085-074 | Feed driving arm (asm.) set screw (M3.5) | 1         |      |
| 23       | 170103001-024 | E ring #3                                | 1         |      |
| 24       | 031203007-000 | Feed regulator spring                    | 1         |      |
| 25       |               | Feed arm base (asm.)                     | 1         |      |
| 26       | 041223002-000 | Feed arm base                            | (1)       |      |
| 27       | 041227007-000 | Feed arm                                 | (1)       |      |
| 28       | 041229004-000 | Horizontal feed arm                      | (1)       |      |
| 29       |               | Feed driving arm (asm.)                  | 1         |      |
| 30       | 041236008-000 | Feed driving arm                         | (1)       |      |
| 31       | 073458006-000 | S connecting rod                         | (1)       |      |

## 12. LAMP COMPONENTS



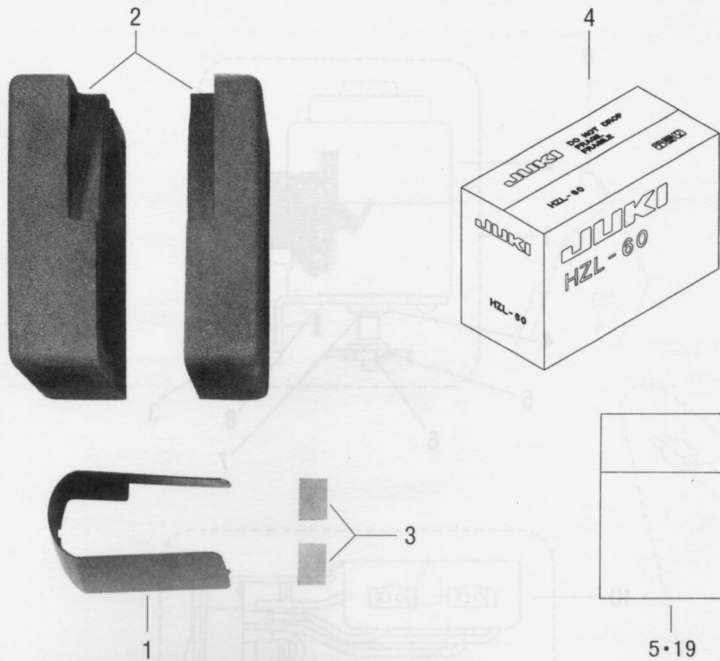
| Ref. No. | Part No.      | Part description                            | Amt. req. | Note |
|----------|---------------|---------------------------------------------|-----------|------|
| 1        | A3801-60C-0A0 | Lamp unit (asm.)                            | 1         |      |
| 2        | A3803-60C-000 | Bulb                                        | 1         |      |
| 3        | 320130052-034 | Lamp unit (asm.) set screw (M3)             | 2         |      |
| 4        | A3117-60C-000 | Front cover installing plate                | 1         |      |
| 5        | 320140101-074 | Front cover installing plate set screw (M4) | 2         |      |
| 6        | A3806-60C-000 | Tension thread cover                        | 1         |      |
| 7        | 173200013-000 | Unitie fastener                             | 3         |      |
| 8        | 175200651-000 | Speed clamp 6.5                             | 1         |      |

### 13. MOTOR COMPONENTS

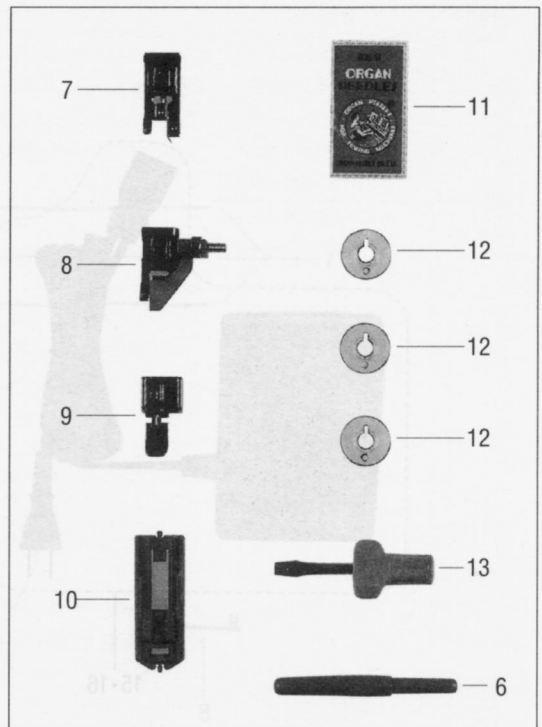


| Ref. No. | Part No.      | Part description                    | Amt. req. | Note       |
|----------|---------------|-------------------------------------|-----------|------------|
| 1        | A7100-60C-0C0 | Motor (compl.)                      | 1         |            |
| 2        | A7100-60C-0A0 | Motor (asm.)                        | (1)       |            |
| 3        | A7101-60C-000 | Motor bracket                       | (1)       |            |
| 4        | A7100-030-00A | Motor shaft pulley                  | (1)       |            |
| 5        | A7100-030-00B | Motor shaft pulley flange           | (1)       |            |
| 6        | A7130-030-000 | Motor shaft pulley flange push nut  | (1)       |            |
| 7        | PS-0200142-KH | Motor shaft pulley pin              | (1)       |            |
| 8        | SM-5041055-SN | Motor set screw (M5)                | (4)       |            |
| 9        | A4501-60C-0A0 | Plug socket installing plate (asm.) | 1         |            |
| 10       | A4501-60C-000 | Plug socket installing plate        | (1)       |            |
| 11       | A4511-60C-0B0 | Plug socket (asm.)                  | (1)       |            |
| 12       | A4509-60C-000 | Plug socket insulating plate        | (1)       |            |
| 13       | SM-4031801-SF | Receptacle set screw (M4)           | (2)       |            |
| 14       | WP-0371016-SF | Receptacle washer                   | (2)       |            |
| 15       | A6401-60C-0A0 | Controller (asm.)                   | 1         | for europe |
| 16       | A6401-60C-0AA | Controller (asm.)                   | 1         | for korea  |

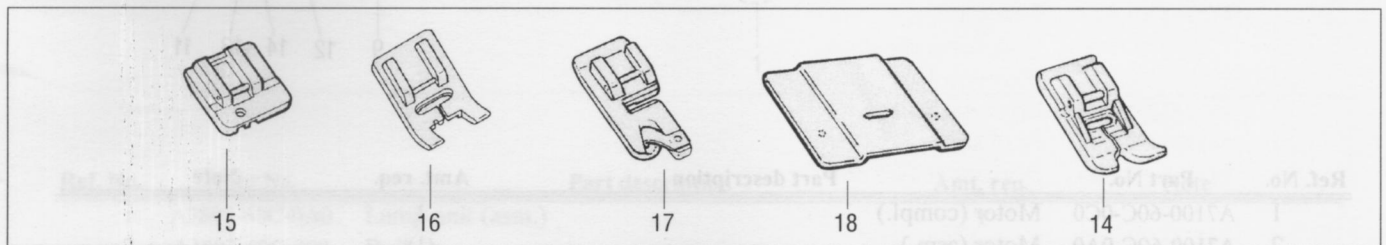
# 14. PACKING MATERIALS AND ACCESSORIES PARTS COMPONENTS



## ACCESSORIES PARTS



## OPTION PARTS



| Ref. No. | Part No.       | Part description                        | Amt. req. | Note |
|----------|----------------|-----------------------------------------|-----------|------|
| 1        | 011050008-383  | Main unit case                          | 1         |      |
| 2        | 001133002-000  | Packing (left & right)                  | 1         |      |
| 3        | 001137007-000  | Auxiliary bed packing                   | 2         |      |
| 4        | J0202-60C-000  | Carton                                  | 1         |      |
| 5        | AE060-C20-B0A  | Instruction manual(English/French)      | 1         |      |
| 6        | A9131-990-000  | Seam ripper                             | 1         |      |
| 7        | 000421486-000  | Hemming foot                            | 1         |      |
| 8        | 000421498-000  | Blindstitch presser foot                | 1         |      |
| 9        | 000421401-000  | Zipper foot                             | 1         |      |
| 10       | 000421371-000  | Buttonhole foot                         | 1         |      |
| 11       | 000286197-000  | Needle (#14x1, #11x2)                   | 1         |      |
| 12       | 001141000-000  | Transparent bobbin                      | 3         |      |
| 13       | 000253039-000  | Screwdriver (short)                     | 1         |      |
| 14       | A9201-880-0A0A | Teflon presser foot (asm.)              |           |      |
| 15       | A9133-700-0AA  | Conceald zipper presser foot (asm.)     |           |      |
| 16       | A9190-500-0A0  | Manual buttonholing presser foot (asm.) |           |      |
| 17       | A9104-700-0A0  | Rolled hemming presser food (asm.)      |           |      |
| 18       | A9145-030-ZB0  | Embroidery needle plate (asm.)          |           |      |
| 19       | AE060-C20-B9A  | Instruction manual(Korean)              | 1         |      |

MEMO

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