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# PARTS BOOK

## SPS/B-B1201 Series

Electronically Controlled  
Bartacking Machine  
(Direct Drive Type)



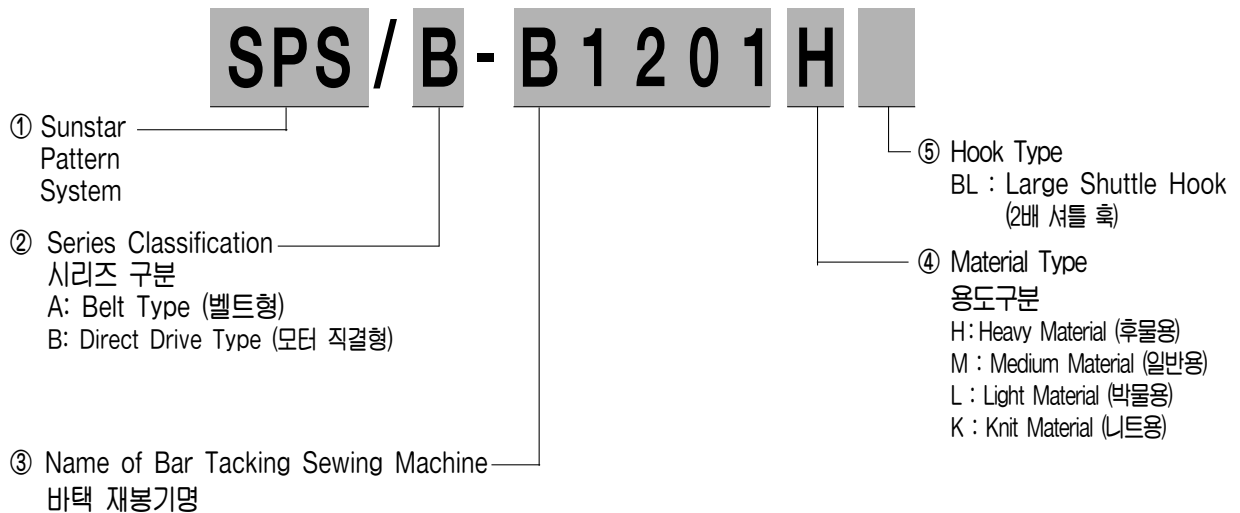
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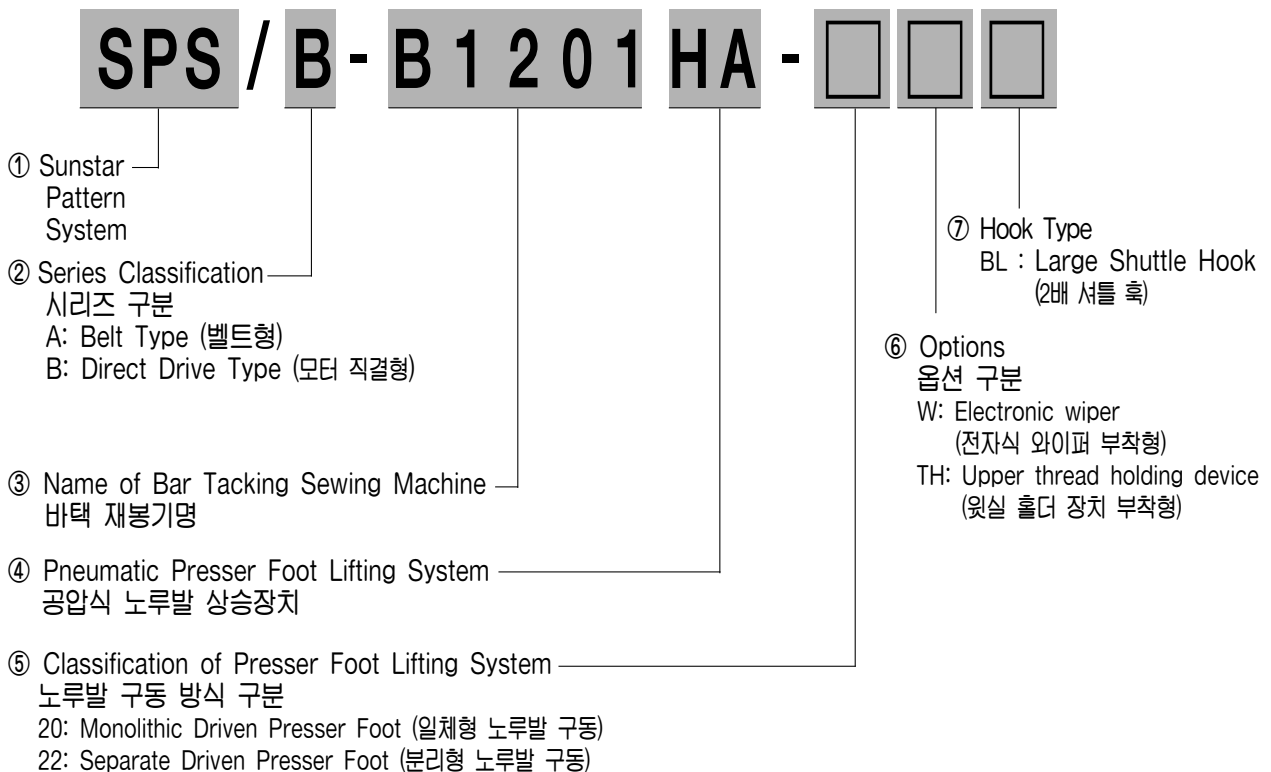
SUNSTAR MACHINERY CO., LTD.

## Models of bar tacking sewing machines / 바택 재봉기 기종 구분

### 1) With an electronic presser foot lifter / 전자식 노루발 상승 장치 부착형



### 2) With a pneumatic presser foot lifter / 공압식 노루발 상승 장치 부착형



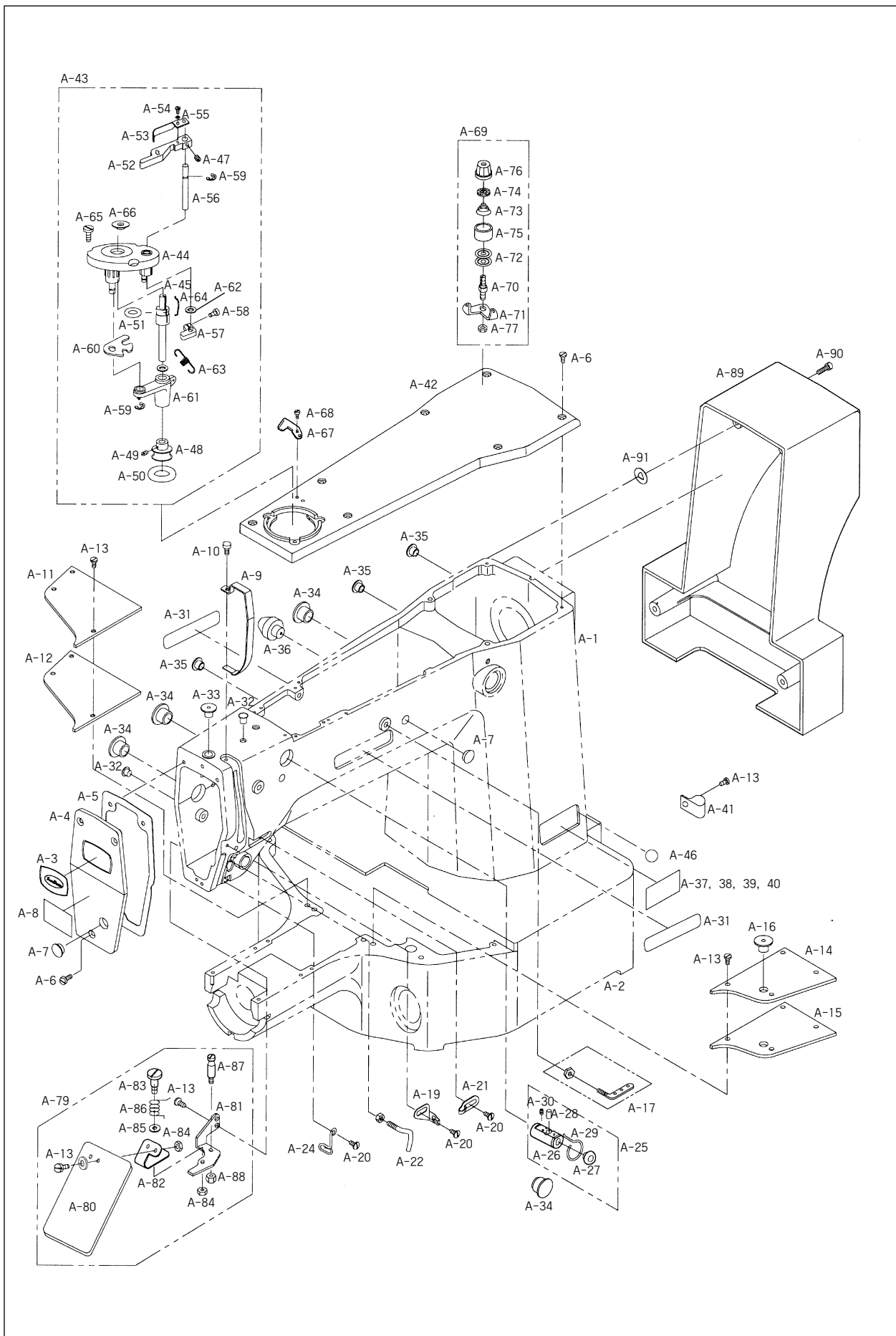
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# A

## Arm, Bed & Machine Body Parts Arm, Bed 및 외장품 관계





| Ref. No. | Parts No.         | Note | Name of Parts                 | 품 명            | Q' ty | Assembly No. |
|----------|-------------------|------|-------------------------------|----------------|-------|--------------|
| A-1      | 01-002A-120D      |      | Arm                           | 아암             | 1     |              |
| A-2      | 01-003A-120H      |      | Bed                           | 베드             | 1     |              |
| A-3      | 01S006S-306H      |      | Brand Mark(Face Plate)        | 상표 마크(면판부)     | 1     |              |
| A-4      | 01-007A-120H      |      | Face Plate                    | 면판             | 1     |              |
| A-5      | 01-008M-120H      |      | Face Plate Gasket             | 면판 가스켓         | 1     |              |
| A-6      | SC-A174-4122      |      | Screw(11/64" n=40)            | 첨나사            | 10    |              |
| A-7      | 01-110R-1230      |      | Rubber Cap For Face Plate     | 면판 고무마개        | 1     |              |
| A-8      | 91-001M-120D      |      | Caution Sticker               | 경고 스티커         | 1     |              |
| A-9      | 01-011A-120H      |      | Take-up Lever Cover           | 실제기 커버         | 1     |              |
| A-10     | SC-0528-1230      |      | Screw(9/64" n=40)             | 톱카바나사(우)       | 1     |              |
| A-11     | 01-013A-120H      |      | Bed Cover(L)                  | 베드 커버(좌)       | 1     |              |
| A-12     | 01-014M-120H      |      | Bed Cover Gasket(L)           | 베드 커버 가스켓(좌)   | 1     |              |
| A-13     | SC-0543-2302      |      | Screw(11/64" n=40)            | 톱카바 힌지 고정나사    | 14    |              |
| A-14     | 01-016A-120H      |      | Bed Cover(R)                  | 베드 커버(우)       | 1     |              |
| A-15     | 01-017M-120H      |      | Bed Cover Gasket(R)           | 베드 커버 가스켓(우)   | 1     |              |
| A-16     | 44S061S-306H      |      | Oil Tank Rubber Cap           | 오일 탱크 고무마개     | 1     |              |
| A-17     | 01-127A-1230      |      | Thread Guide with Three Holes | 세구멍 실걸이(조)     | 1Set  |              |
| A-19     | 01-003C-250B      |      | Thread Guide(L)               | 면판 실걸이         | 1     |              |
| A-20     | SC-0120-1230      |      | Screw(9/64" n=40)             | 첨나사            | 3     |              |
| A-21     | 01-030C-1230      |      | Thread Guide(R)               | 암실걸이           | 1     |              |
| A-22     | 01-075C-120H      |      | Arm Thread Guide Ass'y        | 아암 실안내 걸이(조)   | 1     |              |
| A-24     | 01-028C-120H      |      | Thread Guide(L)               | 실안내(하)         | 1     |              |
| A-25     | 01S037S-306H      |      | Silicon Tank Ass'y            | 실리콘 급유 탱크(조)   | 1Set  |              |
| A-26     | 01S038S-306H      |      | Silicon Tank                  | 실리콘 급유 탱크      | 1     |              |
| A-27     | 01S039S-306H      | H    | Silicon Oil Window            | 실리콘 유창         | 1     |              |
| A-28     | 01S040S-306H      | H    | Silicon Felt                  | 실리콘 급유 탱크 펠트   | 1     |              |
| A-29     | 01S041S-306H      | H    | Felt for Silicon Oil Supply   | 실리콘 급유 탱크 펠트잡이 | 1     |              |
| A-30     | SC-0104-5607      | H    | Screw(11/64" n=40)            | 첨나사            | 1     |              |
| A-31     | 01S064S-306H      | H    | Brand Mark                    | 상표 마크          | 2     |              |
| A-32     | 04-104R-1230      |      | Arm Upper Part Rubber Cap     | 아암 상부 고무 마개    | 3     |              |
| A-33     | 01-110R-1230      |      | Needle Bar Rubber Cap         | 바늘대 고무 마개      | 2     |              |
| A-34     | 01-042R-640L      |      | Rubber Cap(L)                 | 고무마개(대)        | 3     |              |
| A-35     | 44-021R-7400      |      | Rubber Cap(S)                 | 고무마개(소)        | 6     |              |
| A-36     | 01-073R-120H      |      | Bed Rubber                    | 베드 고무          | 1     |              |
| A-37     | 01-041M-120D      |      | Model Sticker(H)              | 모델 스티커-후물용     | 1     |              |
| A-38     | 01-042M-120D      |      | Model Sticker(M)              | 모델 스티커-일반용     | 1     |              |
| A-39     | 01-043M-120D      | H    | Model Sticker(L)              | 모델 스티커-박물용     | 1     |              |
| A-40     | 01-044M-120D      | M    | Model Sticker(K)              | 모델 스티커-니트용     | 1     |              |
| A-41     | 01-009R-5300      | L    | Cable Holder                  | 케이블 홀더(7N)     | 3     |              |
| A-42     | 01-051A-120H      | K    | Top Cover                     | 윗뚜껑            | 1     |              |
| A-43     | 41-101A-120H      |      | Bobbin Winder Ass'y           | 실감기(조)         | 1Set  |              |
| A-44     | 41S001S-306H      |      | Bobbin Winder Base Ass'y      | 실감기 베이스(조)     | 1     |              |
| A-45     | 41-005A-120H      |      | Bobbin Winder Shaft           | 실감기 구동축        | 1     |              |
| A-46     | G P - 0 0 2 9 5 8 | BL   | Sticker(BL)                   | 2배 셔틀 훅 스티커    | 1     |              |
|          |                   |      |                               |                |       |              |

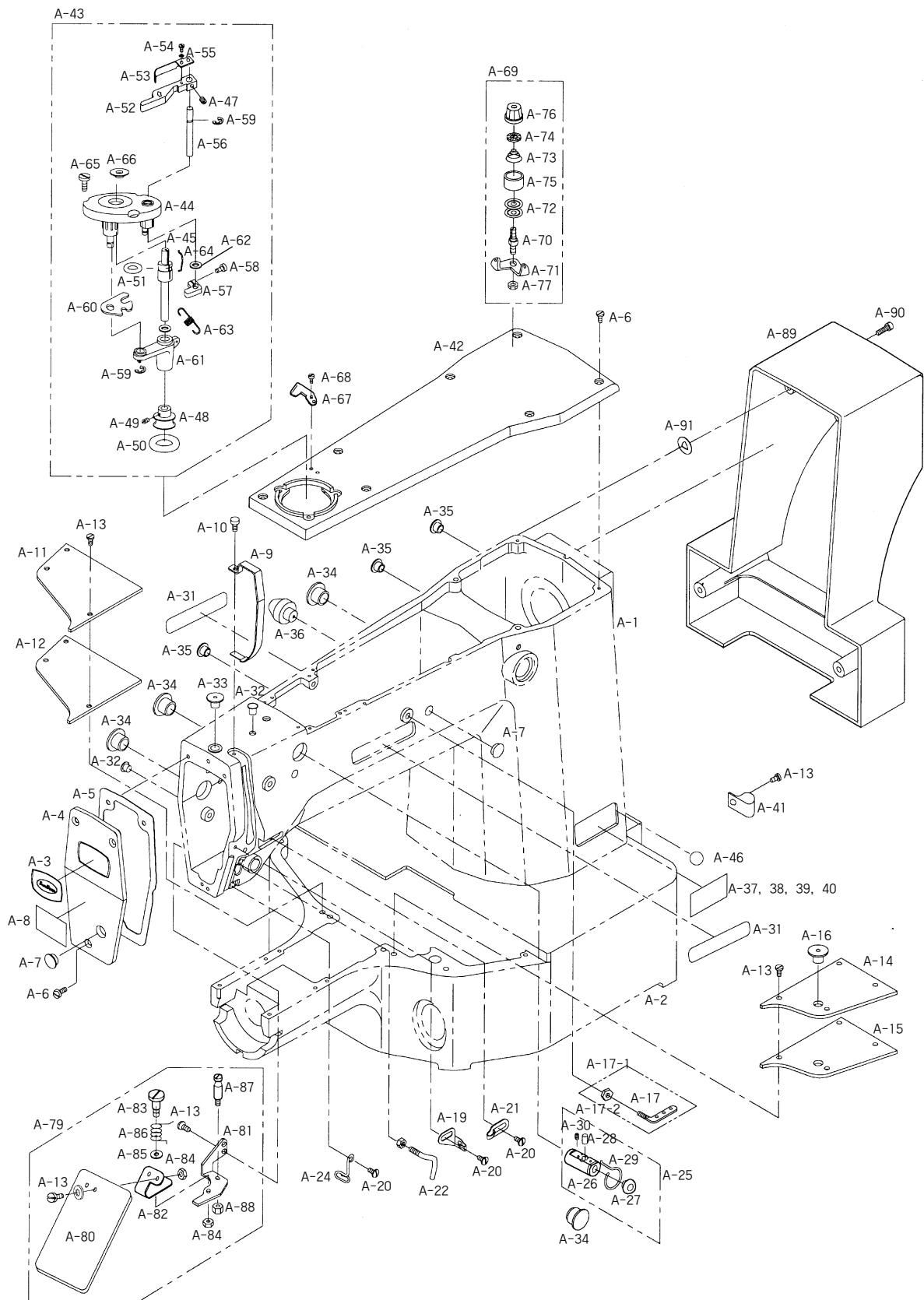
Note: H→Heavy Material(후물용), M→Medium Material(일반용), HA→Pneumatic Heavy Material(공압식 후물용)

L→Light Material(박물용), K→Knit Material(니트용), BL→Large Shuttle Hook(2배 셔틀 훅용)

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# A

## Arm, Bed & Machine Body Parts Arm, Bed 및 외장품 관계





| Ref. No. | Parts No.    | Note    | Name of Parts                   | 품 명             | Q' ty | Assembly No. |
|----------|--------------|---------|---------------------------------|-----------------|-------|--------------|
| A-47     | SC-0105-7500 |         | Screw(M4)                       | 컴나사             | 1     |              |
| A-48     | 41S006S-306H |         | Bobbin Winder                   | 실감기 작동 폴리       | 1     |              |
| A-49     | SC-0104-5607 |         | Screw(11/64" n=40)              | 컴나사             | 2     |              |
| A-50     | 41S008S-306H |         | Bobbin Winder Action Ring       | 실감기 작동링         | 1     |              |
| A-51     | 41S009S-306H |         | Bobbin Winder Shaft Rubber Ring | 실감기 구동축 고무링     | 1     |              |
| A-52     | 41S010S-306H |         | Bobbin Winder Lever             | 실감기 레버          | 1     |              |
| A-53     | 41S011S-306H |         | Bobbin Winder Adjusting Plate   | 실감기 조정판         | 1     |              |
| A-54     | SC-0130-1230 |         | Screw(1/8" n=40)                | 톱니 컴나사          | 1     |              |
| A-55     | 02-011W-2302 |         | Washer                          | 와셔              | 1     |              |
| A-56     | 41S013S-306H |         | Bobbin Winder Lever Shaft       | 실감기 레버 축        | 1     |              |
| A-57     | 41S014S-306H |         | Bobbin Winder Adjusting Cam     | 실감기 조절 캠        | 1     |              |
| A-58     | SC-0211-7500 |         | Screw(M4×P0.7)                  | 컴나사             | 1     |              |
| A-59     | 04-009C-3710 |         | E-Ring(φ5)                      | E-링(호칭경 5)      | 2     |              |
| A-60     | 41S017S-306H |         | Bobbin Winder Action Plate      | 실감기 작동판         | 1     |              |
| A-61     | 41-018A-120H |         | Bobbin Winder Action Body       | 실감기 작동체         | 1     |              |
| A-62     | 40-007W-1600 |         | Washer                          | 와셔              | 2     |              |
| A-63     | 41S021S-306H |         | Bobbin Winder Spring            | 실감기 인장 스프링      | 1     |              |
| A-64     | 41S022S-306H |         | Bobbin Stopper                  | 보빈 스토퍼          | 1     |              |
| A-65     | 41S023S-306H |         | Screw                           | 컴나사             | 5     |              |
| A-66     | 41S024S-306H |         | Bobbin Stand                    | 보빈 스탠드          | 1     |              |
| A-67     | 41S025S-306H |         | Bobbin Winder Mes               | 실감기 메스          | 1     |              |
| A-68     | SC-0120-1230 |         | Screw(1/8" n=40)                | 고정메스 장력 조절나사    | 2     |              |
| A-69     | 41S027S-306H |         | Thread Tension Adjusting Ass'y  | 실감기 실장력 조절장치(조) | 1Set  |              |
| A-70     | 41S028S-306H |         | Thread Tension Adjusting Shaft  | 실감기 실장력 조절 축    | 1     |              |
| A-71     | 41S026S-306H |         | Thread Guide Plate              | 실안내 판           | 1     |              |
| A-72     | 40-204A-1230 |         | Thread Tension Disk             | 실안내 접시          | 2     |              |
| A-73     | 40-333G-123A |         | Thread Tension Spring           | 실장력 조절 스프링      | 1     |              |
| A-74     | 40-804W-1230 |         | Thread Tension Spring Stopper   | 실장력 조절 스프링 스토퍼  | 1     |              |
| A-75     | 40-024A-1230 |         | Spring Cover                    | 스프링 커버          | 1     |              |
| A-76     | 40-204A-2350 |         | Thread Tension Nut              | 실장력 조절 캡 너트     | 1     |              |
| A-77     | SN-0121-7400 |         | Nut(15/64" n=28)                | 실장력 조절 축 너트     | 1     |              |
| A-78     | 01-042R-640L | M, L, K | Rubber Cap(L)                   | 고무마개(대)         | 1     | Ass'y        |
| A-79     | 01S043S-306H |         | Safety Plate Ass'y              | 안전판(조)          | 1Set  |              |
| A-80     | 01S044S-306H |         | Safety Plate                    | 안전판             | 1     |              |
| A-81     | 01S045S-306H |         | Safety Plate Bracket            | 안전판 브라켓         | 1     |              |
| A-82     | 01S046S-306H |         | Safety Plate Holder             | 안전판 홀더          | 1     |              |
| A-83     | 01S047S-306H |         | Safety Plate Hinge Screw        | 안전판 단나사         | 1     |              |
| A-84     | SN-0101-1600 |         | Nut(3/16" n=28)                 | 너트              | 3     |              |
| A-85     | 06-051W-7400 |         | Washer                          | 와셔              | 1     |              |
| A-86     | 01S050S-306H |         | Safety Plate Spring             | 안전판 스프링         | 1     |              |
| A-87     | 01S051S-306H |         | Safety Plate Spring Hook        | 안전판 스프링 걸이      | 1     |              |
| A-88     | SN-0119-1230 |         | Nut(3/16" n=28)                 | 너트              | 1     |              |
| A-89     | 01-038A-120D |         | Motor Cover                     | 모터커버            | 1     |              |
| A-90     | SC-0498-3710 |         | Screw(11/64" n=40)              | 컴나사             | 4     |              |
| A-91     | 40-004W-1600 |         | Washer                          | 와셔              | 4     |              |

Note: H→Heavy Material(후물용), M→Medium Material(일반용), HA→Pneumatic Heavy Material(공압식 후물용)

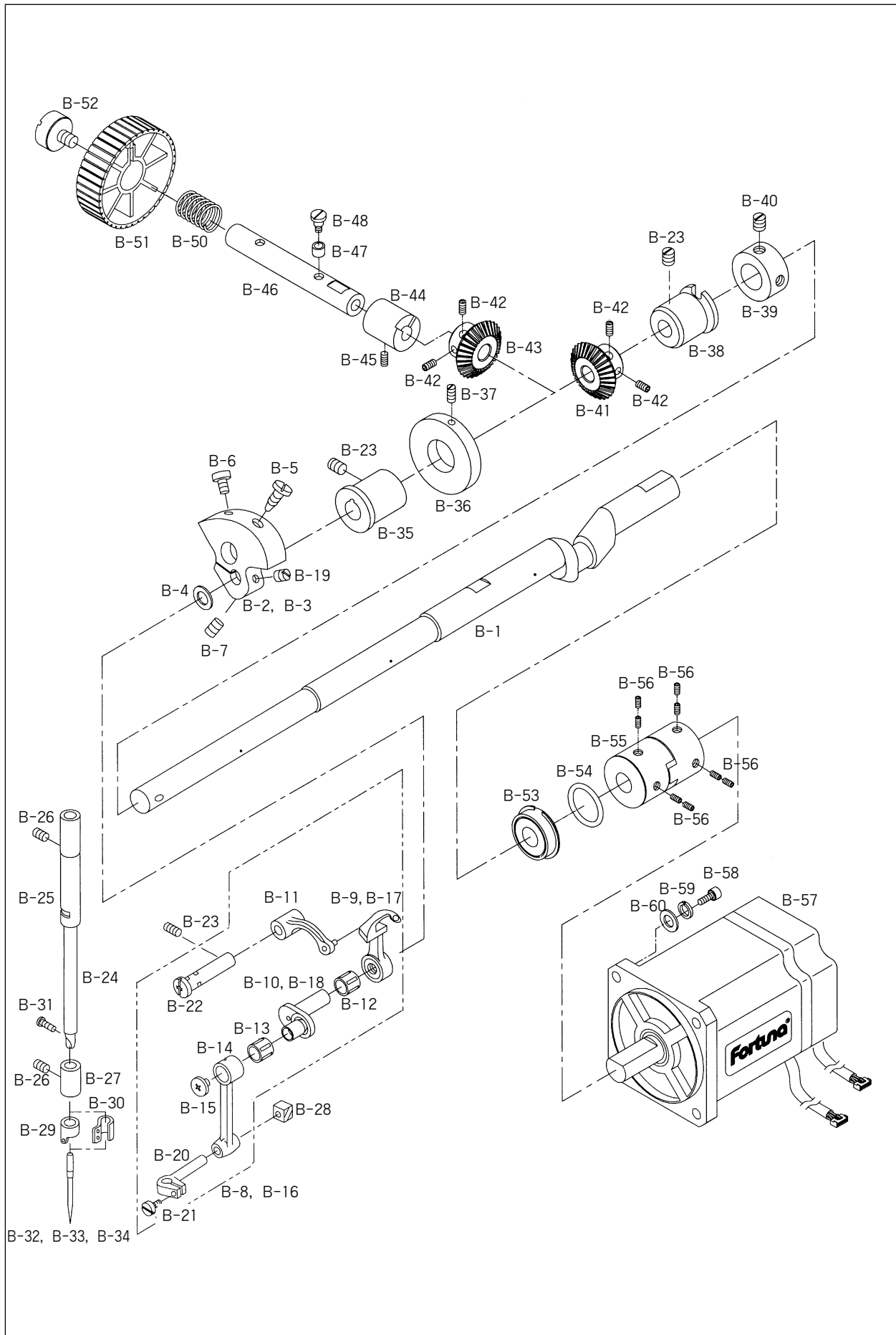
L→Light Material(앞물용), K→Knit Material(니트용)

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# B

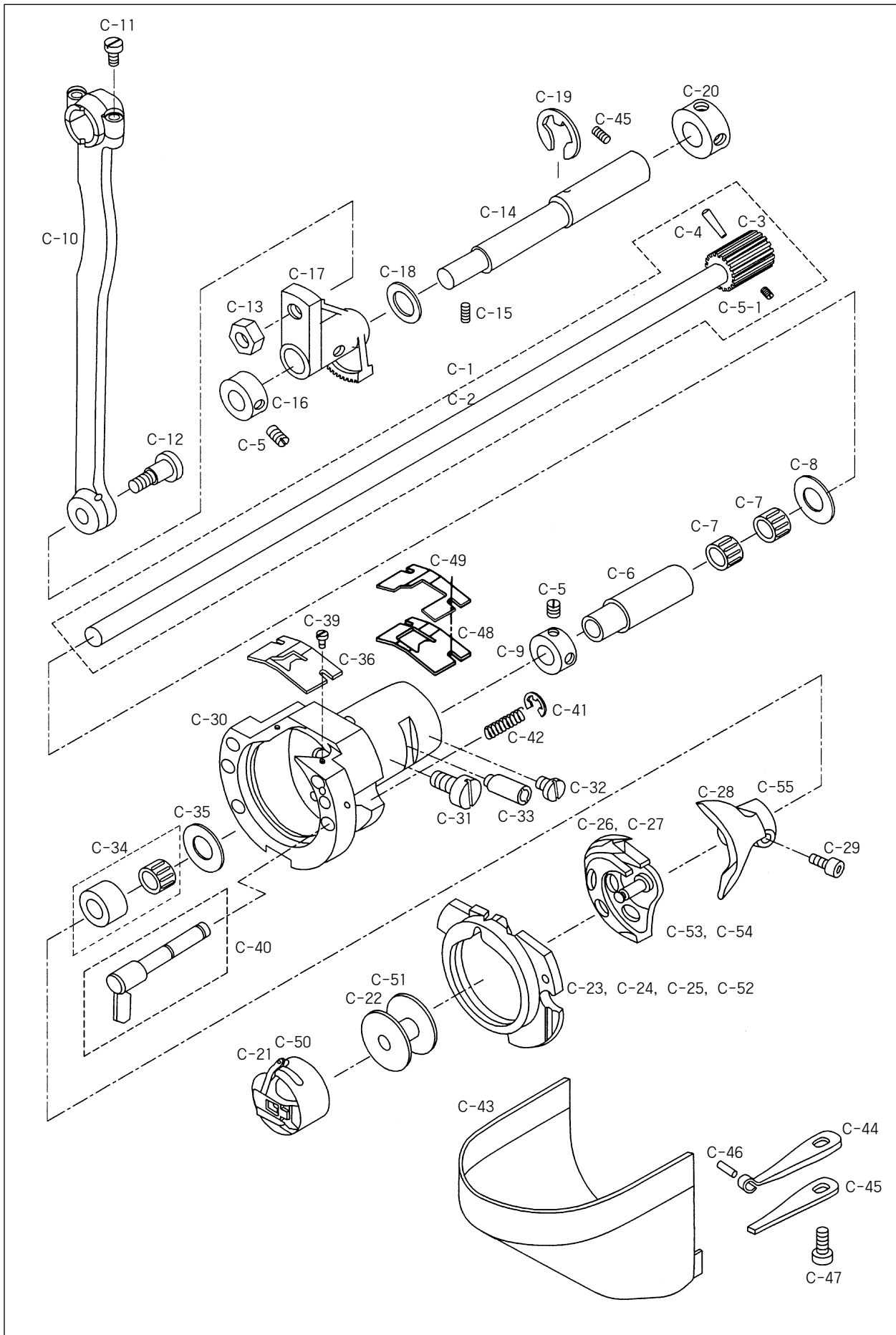
## Upper Shaft Mechaniam 상축 관계





| Ref. No. | Parts No.     | Note    | Name of Parts                  | 품명                    | Q'ty | Assembly No. |
|----------|---------------|---------|--------------------------------|-----------------------|------|--------------|
| B-1      | 02-001A-1254  |         | Upper Shaft                    | 상축                    | 1    |              |
| B-2      | 02-102A-120H  | H, M    | Link Cam                       | 링크 캠                  | 1    |              |
| B-3      | 02S102S-306H  | L, K    | Link Cam(A)                    | 링크 캠(A)               | 1    |              |
| B-4      | 02S003S-306H  |         | Link Cam Washer                | 링크 캠 와셔               | 1    |              |
| B-5      | 02-003S-2500  |         | Screw(15/64" n=28)             | 캡나사                   | 1    |              |
| B-6      | SC-0150-2500  |         | Screw(9/32" n=28)              | 캡나사                   | 1    |              |
| B-7      | SC-0183-2700  |         | Screw(15/64" n=28)             | 캡나사                   | 1    |              |
| B-8      | 08S101P-306H  | H, M    | Thread Take-Up Lever Ass'y(H)  | 실채기(조)-후물용            | 1Set |              |
| B-9      | 08S501P-306H  | H, M    | Thread Take-Up Lever(H)        | 실채기-후물용               | 1    |              |
| B-10     | 08S502P-306H  | H, M    | Needle Bar Crank(H)            | 바늘대 크랭크-후물용           | 1    |              |
| B-11     | 08S503P-306H  |         | Thread Take-Up Lever Crank     | 실채기 크랭크               | 1    |              |
| B-12     | 08-511A-123A  |         | Needle Bearing                 | 실채기 니들 베어링(KT8123NC3) | 1    |              |
| B-13     | 08-511A-123A  |         | Needle Bearing                 | 실채기 니들 베어링(KT8123NC3) | 1    |              |
| B-14     | 08S504S-306H  |         | Needle Bar Crank Rod           | 바늘대 크랭크 로드            | 1    |              |
| B-15     | 08S507S-123A  |         | Screw                          | 바늘대 C/R 원나사           | 1    |              |
| B-16     | 08S101S-306H  | L, K    | Thread Take-Up Lever Ass'y(L)  | 실채기(조)-박물용            | 1Set |              |
| B-17     | 08S501S-306H  | L, K    | Thread Take-Up Lever(L)        | 실채기-박물용               | 1    |              |
| B-18     | 08S502S-306H  | L, K    | Needle Bar Crank(L)            | 바늘대 크랭크-박물용           | 1    |              |
| B-19     | SC-0317-2700  |         | Screw(15/64" n=28)             | 캡나사                   | 1    |              |
| B-20     | 08S505S-306H  |         | Needle Bar Holder              | 바늘대 잡이                | 1    |              |
| B-21     | 08-508S-123A  |         | Screw                          | 바늘대 잡이나사              | 1    |              |
| B-22     | 08S506S-306H  |         | Thread Take-Up Pin             | 실채기 핀                 | 1    |              |
| B-23     | SC-0317-2700  |         | Screw(15/64" n=28)             | 캡 접촉 안내 고정나사          | 3    |              |
| B-24     | 04-001A-120H  |         | Needle Bar                     | 바늘대                   | 1    |              |
| B-25     | 04S102S-306H  |         | Needle Bar Bushing(U)          | 바늘대 상붓싱               | 1    |              |
| B-26     | SC-0164-2700  | M5      | Screw(11/64" n=40)             | 캡 접촉 카라 고정나사          | 2    |              |
| B-27     | 04S204S-306H  |         | Needle Bar Bushing(L)          | 바늘대 하붓싱               | 1    |              |
| B-28     | 04S106S-306H  |         | Needle Bar Guide Block         | 바늘대 안내 블럭             | 1    |              |
| B-29     | 04-007A-120H  | H       | Thread Guide For Needle Bar(H) | 바늘대 실안내-후물용           | 1    |              |
| B-30     | 04-008A-120M  | M, L, K | Thread Guide For Needle Bar(M) | 바늘대 실안내-일반용           | 1    |              |
| B-31     | SC-A131-4522  |         | Screw                          | 캡나사                   | 1    |              |
| B-32     |               | H       | Needle(DP×17 #19)              | 바늘-후물용                | 1    |              |
| B-33     |               | M       | Needle(DP×5 #16 (#14))         | 바늘-일반용                | 1    |              |
| B-34     |               | L, K    | Needle(DP×5 #11)               | 바늘-박물용                | 1    |              |
| B-35     | 02S107S-306H  |         | Upper Shaft Bushing(F)         | 상축 전 붓싱               | 1    |              |
| B-36     | 02S009S-306H  |         | Bobbin Winder Driving Wheel    | 실감기 구동 휠              | 1    |              |
| B-37     | 10-017S-8577  |         | Screw                          | 동메스축 B/S 고정나사         | 2    |              |
| B-38     | 02S111S-306H  |         | Upper Shaft Bushing(M)         | 상축 중 붓싱               | 1    |              |
| B-39     | 02-121A-1230  |         | Upper Shaft Collar             | 상축 카라                 | 1    |              |
| B-40     | SC-A308-5607  |         | Screw(15/64" n=28)             | 사절캠 고정나사 A            | 2    |              |
| B-41     | 25S001S-306H  |         | Hand Pulley Gear "A"           | 핸드풀리 기어 "A"           | 1    |              |
| B-42     | SC-A308-4517  |         | Screw                          | 고정나사(15/64" n=28)     | 4    |              |
| B-43     | 25S001S-306H  |         | Hand Pulley Gear "A"           | 핸드풀리 기어 "A"           | 1    |              |
| B-44     | 25S009S-306H  |         | Hand Pulley Bushing            | 핸드풀리 붓싱               | 1    |              |
| B-45     | SC-0114-1230  |         | Screw                          | 고정나사(15/64" n=28)     | 1    |              |
| B-46     | 25S105S-306H  |         | Hand Pulley Shaft              | 핸드풀리 축                | 1    |              |
| B-47     | 25S007S-306H  |         | Hand Pulley Roller             | 핸드풀리 로울러              | 1    |              |
| B-48     | 25S006S-306H  |         | Hand Pulley Roller Hinge Pin   | 핸드풀리 로울러 단나사          | 1    |              |
| B-50     | 25S011S-306H  |         | Hand Pulley Spring             | 핸드풀리 스프링              | 1    |              |
| B-51     | 02-026A-120D  |         | Hand Pulley                    | 핸드풀리                  | 1    |              |
| B-52     | 25S012S-306H  |         | Screw                          | 핸드풀리 캡나사              | 1    |              |
| B-53     | 02-016A-120D  |         | Upper Shaft Bearing (R)        | 상축후 베어링(6302ZZ NR)    | 1    |              |
| B-54     | 02-023R-120D  |         | Spacer O-Ring(P15)             | 스페이스 O링               | 1    |              |
| B-55     | 02-017A-120D  |         | Coupling                       | 커플링                   | 1    |              |
| B-56     | 08-037SC-120D |         | Screw                          | 캡나사(M6×1.0 L=8)       | 8    |              |
| B-57     | 02-119A-120D  |         | Main Motor                     | 주축모터                  | 1    |              |
| B-58     | 02-020S-120D  |         | Screw                          | 캡나사(M5×0.8 L=25)      | 4    |              |
| B-59     | 07-011W-1230  |         | Spring Washer                  | 스프링와셔(φ5)             | 4    |              |
| B-60     | 10-020W-2700  |         | Washer                         | 평와셔(φ5)               | 4    |              |

Note: H→Heavy Material(후물용), M→Medium Material(일반용)  
L→Light Material(박물용), K→Knit Material(니트용)

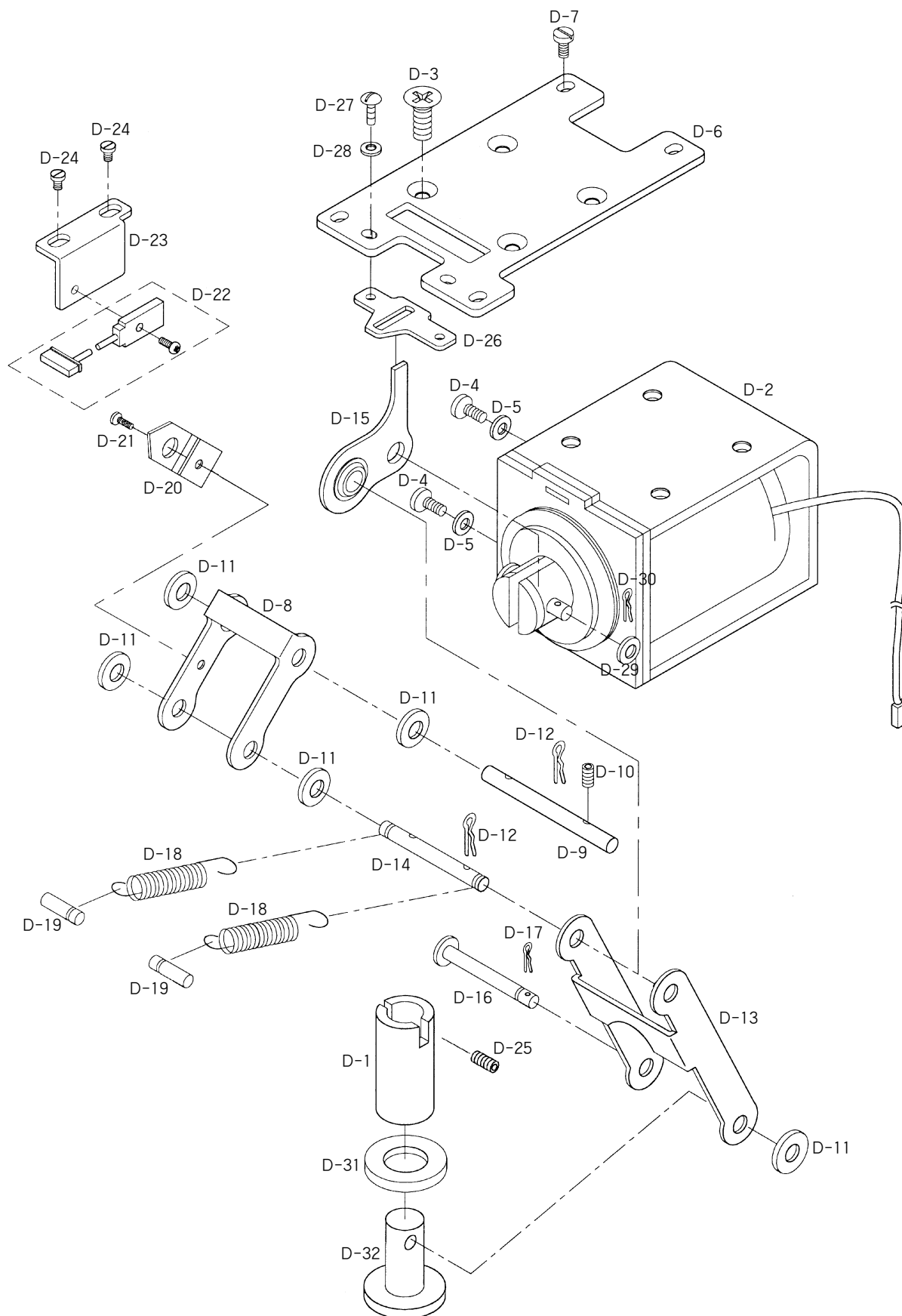


| Ref. No. | Parts No.    | Note    | Name of Parts                  | 품 명                | Q' ty | Assembly No. |
|----------|--------------|---------|--------------------------------|--------------------|-------|--------------|
| C-1      | 07-001A-120H |         | Lower Shaft Ass'y              | 하축(조)              | 1Set  |              |
| C-2      | 07-002A-120H |         | Lower Shaft                    | 하축                 | 1     |              |
| C-3      | 07S003S-306H |         | Lower Shaft Gear               | 하축 기어              | 1     |              |
| C-4      | 07S004S-306H |         | Taper Pin                      | 테이퍼 핀              | 1     |              |
| C-5      | SC-0164-2700 | M       | Screw(11/64" n=40)             | 캡나사                | 4     |              |
| C-5-1    | SC-0512-1230 |         | Screw                          | 캡나사                | 1     |              |
| C-6      | 07S006S-306H |         | Lower Shaft Rear Bushing       | 하축 후 붓싱            | 1     |              |
| C-7      | 07S007S-306H |         | Needle Bearing(KT8110)         | 니이들 베어링            | 2     |              |
| C-8      | 07S008S-306H |         | Thrust Washer                  | 트리스트 와셔            | 1     |              |
| C-9      | 10S114S-306H |         | Lower Shaft Collar             | 하축 카라              | 1     |              |
| C-10     | 07S111S-306H |         | Crank Rod                      | 크랭크 로드             | 1     |              |
| C-11     | SC-0179-3710 |         | Screw(11/64" n=40)             | 캡나사                | 2     |              |
| C-12     | 07S013S-306H |         | Crank Rod Hinge Screw          | 크랭크 로드 단나사         | 1     |              |
| C-13     | SN-0116-3400 |         | Nut(1/4" n=40)                 | 너트                 | 1     |              |
| C-14     | 07S115S-306H |         | Oscillator Shaft               | 오실레이터 축            | 1     |              |
| C-15     | SC-0317-2700 |         | Screw(15/64" n=28)             | 캡나사                | 2     |              |
| C-16     | 07S117S-306H |         | Oscillator Shaft Collar(L)     | 오실레이터 축 카라(좌)      | 1     |              |
| C-17     | 07S019S-306H |         | Oscillator                     | 요동축 기어             | 1     |              |
| C-18     | 07S020S-306H |         | Washer                         | 와셔                 | 1     |              |
| C-19     | 43-009C-1600 |         | E-Ring                         | E-링(호청경 9)         | 1     |              |
| C-20     | 07S122S-306H |         | Oscillator Shaft Collar(R)     | 오실레이터 축 카라(우)      | 1     |              |
| C-21     | 07-023A-120H |         | Bobbin Case Ass'y              | 보빈 케이스(조)          | 1Set  |              |
| C-22     | 07-224A-120H |         | Bobbin                         | 보빈                 | 1     |              |
| C-23     | 07-021A-120H | H       | Shuttle Race Ring(H)           | 셔틀 레이스 링-후물용       | 1     |              |
| C-24     | 07-022A-120M | M       | Shuttle Race Ring(M)           | 셔틀 레이스 링-일반용       | 1     |              |
| C-25     | 07-023A-120L | L, K    | Shuttle Race Ring(L)           | 셔틀 레이스 링-박물용       | 1     |              |
| C-26     | 07-128A-120H | H       | Shuttle(H)                     | 셔틀-후물용             | 1     |              |
| C-27     | 07-129A-120M | M, L, K | Shuttle(M)                     | 셔틀-일반용             | 1     |              |
| C-28     | 07-030A-120H |         | Shuttle Driver                 | 셔틀 드라이버            | 1     |              |
| C-29     | 07S033S-306H |         | Screw(M5×P0.8)                 | 캡나사                | 1     |              |
| C-30     | 07S132S-306H |         | Shuttle(L)                     | 니들롤러 베어링용          | 1     |              |
| C-31     | SC-0150-2500 |         | Screw(15/64" n=28)             | 캡나사                | 1     |              |
| C-32     | SC-0525-5300 |         | Screw(11/64" n=40)             | 캡나사                | 1     |              |
| C-33     | 07S035S-306H |         | Shuttle Race Adjusting Shaft   | 셔틀 레이스 조절 축        | 1     |              |
| C-34     | 07S107S-306H |         | Needle Roller Bearing          | 니들 롤러 베어링          | 1     |              |
| C-35     | 07S038S-306H |         | Shuttle Bearing Washer         | 셔틀 베어링 와셔          | 1     |              |
| C-36     | 07S040S-306G | H, M    | Shuttle Upper Spring           | 셔틀 상면 스프링(GS)      | 1     |              |
| C-39     | SC-A121-4122 |         | Screw(3/32" n=56)              | 캡나사                | 2     |              |
| C-40     | 07S042S-306H |         | Inner Hook Presser Shaft Ass'y | 속 가마 누름 축(조)       | 2     |              |
| C-41     | 06-033M-3800 |         | E-Ring                         | E-링(호청경 3)         | 2     |              |
| C-42     | 07S046S-306H |         | Inner Hook Spring              | 속 가마 압력 스프링        | 2     |              |
| C-43     | 07S047S-306H |         | Hook Cover Ass'y               | 훅 커버(조)            | 1Set  |              |
| C-44     | 07S051S-306H |         | Hook Cover Plate Spring A      | 훅 커버 판 스프링 A       | 1     |              |
| C-45     | 07S052S-306H |         | Hook Cover Plate Spring B      | 훅 커버 판 스프링 B       | 1     |              |
| C-46     | 07S050S-306H |         | Spring Pin(φ2×l9.8)            | 스프링 핀              | 1     |              |
| C-47     | SC-0543-2302 |         | Screw(11/64" n=40)             | 톱카바 힌지 고정나사        | 2     |              |
| C-48     | 07-042G-120L | L, K    | Shuttle Upper Spring (L)       | 셔틀상면 스프링 (하)       | 1     |              |
| C-49     | 07-041G-120L | L, K    | Shuttle Upper Spring (U)       | 셔틀상면 스프링 (상)       | 1     |              |
| C-50     | 07S023S-306H | BL      | Bobbin Case Ass'y(BL)          | 보빈 케이스(2배 셔틀 흑용)   | 1Set  |              |
| C-51     | 07S026S-306H | BL      | Bobbin(BL)                     | 보빈(2배 셔틀 흑용)       | 1     |              |
| C-52     | 07S027S-306H | BL      | Shuttle Race Ring(BL)          | 셔틀 레이스 링(2배 셔틀 흑용) | 1     |              |
| C-53     | 07S028S-306H | HBL     | Shuttle(HBL)                   | 셔틀(후물 2배 셔틀 흑용)    | 1     |              |
| C-54     | 07S029S-306G | MBL     | Shuttle(MBL)                   | 셔틀(일반 2배 셔틀 흑용)    | 1     |              |
| C-55     | 07S030S-306H | BL      | Shuttle Driver(BL)             | 셔틀 드라이버(2배 셔틀 흑용)  | 1     |              |

Note: H→Heavy Material(후물용), M→Medium Material(일반용), L→Light Material(박물용), K→Knit Material(니트용),

BL→Large Shuttle Hook(2배 셔틀 흑용), HBL→Heavy Material & Large Shuttle Hook(후물 2배 셔틀 흑용),

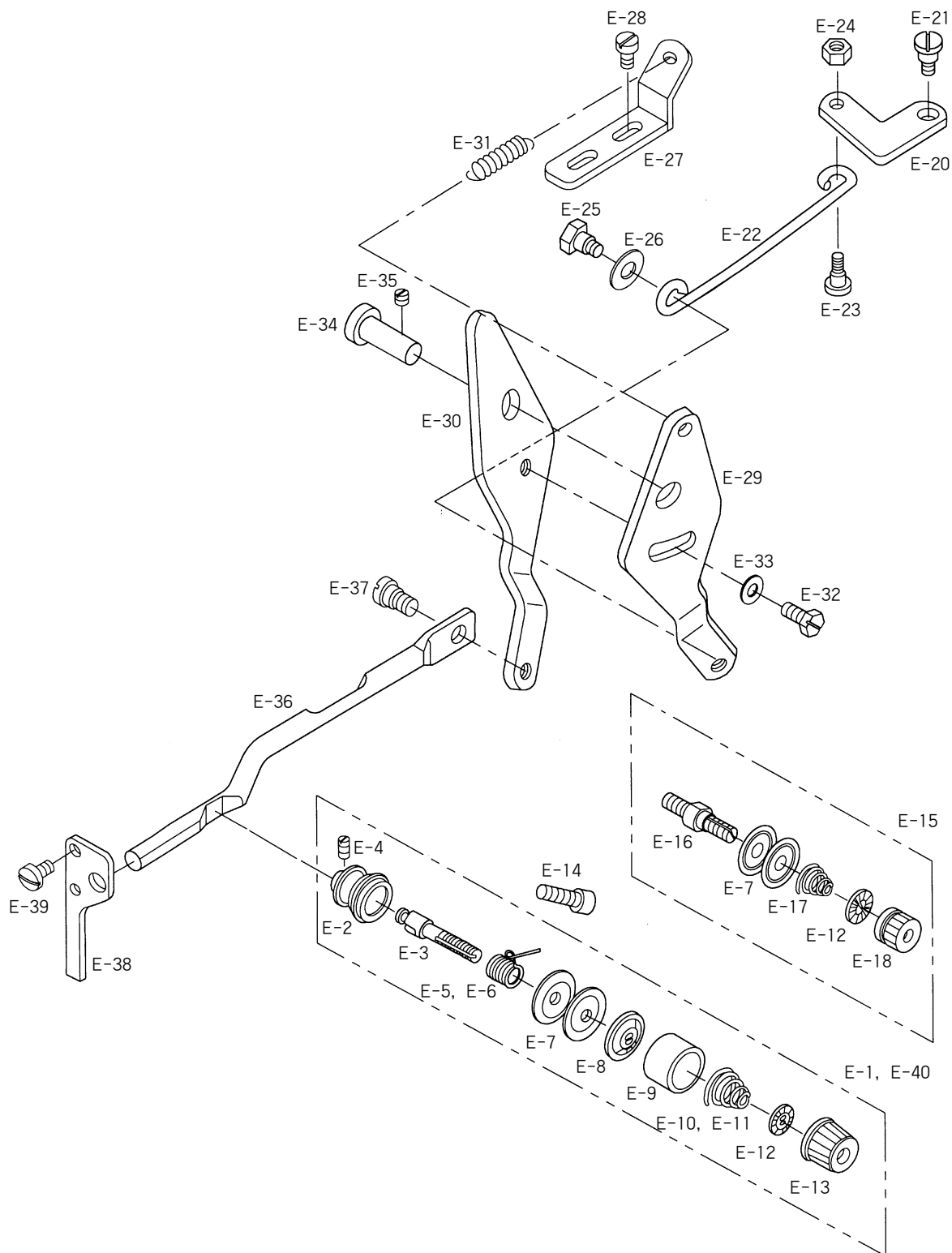
MBL→Medium Material & Large Shuttle Hook(일반 2배 셔틀 흑용)



| Ref. No. | Parts No.     | Note | Name of Parts                | 품 명                | Q' ty | Assembly No. |
|----------|---------------|------|------------------------------|--------------------|-------|--------------|
| D-1      | 21-101A-120H  |      | Presser Plate Bushing        | 누름판 붓싱             | 1     |              |
| D-2      | 01-0000-BT13  |      | Presser Plate Solenoid Ass'y | 누름판 솔레노이드(조)       | 1Set  |              |
| D-3      | 21-003S-120H  |      | Screw A                      | 웜나사                | 4     |              |
| D-4      | 21-036S-120H  |      | Screw B                      | 웜나사 B              | 2     |              |
| D-5      | 01-017W-1600  |      | Washer                       | 웜나사 B와서            | 2     |              |
| D-6      | 21-133A-120H  |      | Presser Plate Solenoid Base  | 누름판 솔레노이드 부착 베이스   | 1     |              |
| D-7      | SC-0307-1230  |      | Screw(3/16" n=32)            | 웜나사                | 4     |              |
| D-8      | 21-105A-120H  |      | Presser Plate Link(A)        | 누름판 링크(A)          | 1     |              |
| D-9      | 21-206A-120H  |      | Presser Plate Link Shaft(A)  | 누름판 링크 축(A)        | 1     |              |
| D-10     | SC-0164-2700  |      | Screw(11/64" n=40)           | 웜나사                | 2     |              |
| D-11     | 09-025W-8270  |      | Washer                       | 와서                 | 5     |              |
| D-12     | 21-103P-120H  |      | Snap Pin(φ8)                 | 스냅핀 (호칭경 φ8)       | 4     |              |
| D-13     | 21-110A-120H  |      | Presser Plate Link(B)        | 누름판 링크(B)          | 1     |              |
| D-14     | 21-111A-120H  |      | Presser Plate Link Shaft(B)  | 누름판 링크 축(B)        | 1     |              |
| D-15     | 21-114A-120H  |      | Presser Plate Link(C)        | 누름판 링크(C)          | 1     |              |
| D-16     | 21-016A-120H  |      | Presser Plate Link Shaft(C)  | 누름판 링크 축(C)        | 1     |              |
| D-17     | 21-101P-120H  |      | Snap Pin(φ5)                 | 스냅 핀 (호칭 φ5)       | 1     |              |
| D-18     | 21-118G-1201H |      | Presser Plate Return Spring  | 누름판 리턴 스프링(총권수 37) | 2     |              |
| D-19     | 21-019P-120H  |      | Holder For D-17              | 누름판 리턴 스프링 걸이      | 2     |              |
| D-20     | 21-120A-120H  |      | Presser Plate Sensor Slit    | 누름판 센서 감지판         | 1     |              |
| D-21     | SC-0158-3710  |      | Screw(M3)                    | 웜나사                | 2     |              |
| D-22     | 15-027A-2070  |      | Presser Plate Sensor         | 누름판 센서             | 1     |              |
| D-23     | 21-123A-120H  |      | Base For Presser Plate       | 누름판 센서 베이스         | 1     |              |
| D-24     | SC-0543-2302  |      | Screw(11/64" n=40)           | 누름판 센서 베이스 웜나사     | 2     |              |
| D-25     | SC-0164-2700  |      | Screw(M5)                    | 누름판 붓싱 웜나사         | 1     |              |
| D-26     | 21-035A-120H  |      | Guide For D-14               | 누름판 링크(C) 가이드      | 1     |              |
| D-27     | SC-0174-1230  |      | Screw                        | 누름판 링크(C) 가이드 웜나사  | 2     |              |
| D-28     | 10-020W-2700  |      | Washer                       | 누르만 링크(C) 가이드 와서   | 2     |              |
| D-29     | 09-025W-8270  |      | Washer                       | 솔레노이드 축 연결핀 와서     | 1     |              |
| D-30     | 21-103P-120H  |      | Snap Pin(φ8)                 | 솔레노이드 축 연결핀 분활핀    | 1     |              |
| D-31     | 21S039S-306H  |      | Washer                       | 누름판 축 고무와서         | 1     |              |
| D-32     | 21-026A-120H  |      | Presser Plate Shaft          | 누름판 축              | 1     |              |

# Thread Release & Thread Tension Mechanism

## 실 늦추기 및 장력 조절 관계





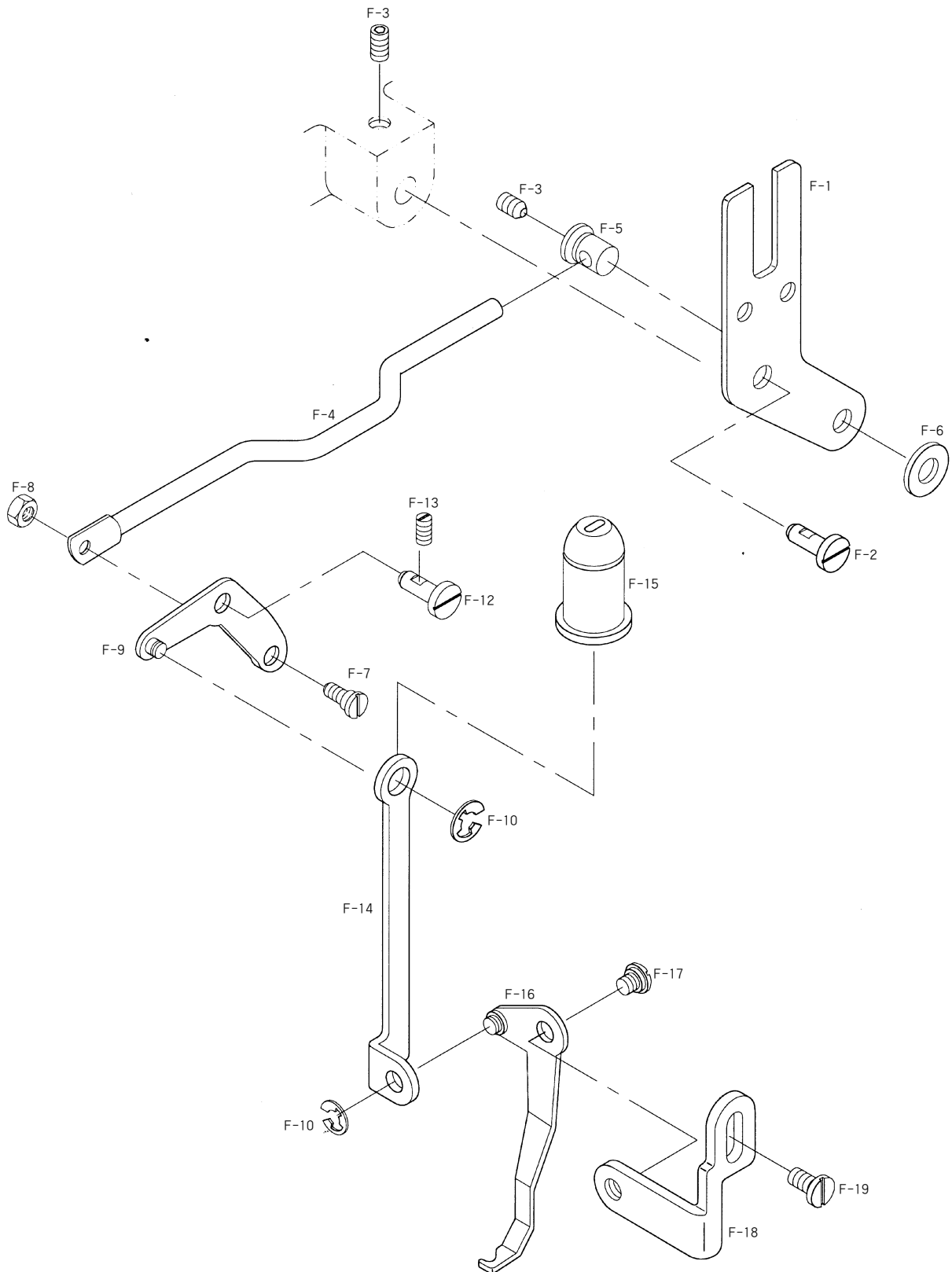
| Ref. No. | Parts No.    | Note    | Name of Parts                          | 품 명              | Q' ty | Assembly No. |
|----------|--------------|---------|----------------------------------------|------------------|-------|--------------|
| E-1      | 40-040A-120H | H       | Thread Tension Adjusting Ass'y(H)      | 실장력 조절 장치(조)-후물용 | 1Set  |              |
| E-2      | 40S002S-306H |         | Thread Tension Adjusting Body          | 실장력 조절 장치 몸체     | 1     |              |
| E-3      | 40S003S-306H |         | Thread Tension Adjusting Shaft         | 실장력 조절 장치 축      | 1     |              |
| E-4      | 40-604S-1230 |         | Screw(9/64" n=40)                      | 웜나사              | 2     |              |
| E-5      | 40S005S-306H | H       | Thread Take-Up Spring(H)               | 실제기 스프링-후물용      | 1     |              |
| E-6      | 40S006S-306G | M, L, K | Thread Take-Up Spring(M)               | 실제기 스프링-일반용      | 1     |              |
| E-7      | 40-204A-1230 |         | Thread Guide Disk                      | 실안내 접시           | 4     |              |
| E-8      | 40-304A-1230 |         | Presser Plate For E-7                  | 실안내 접시 누름판       | 1     |              |
| E-9      | 40S009S-306H |         | Spring Cover                           | 스프링 커버           | 1     |              |
| E-10     | 40S010S-306H | H       | Thread Tension Adjusting Spring(H)     | 실장력 조절 스프링-후물용   | 1     |              |
| E-11     | 40-333G-123A | M, L, K | Thread Tension Adjusting Spring(M)     | 실장력 조절 스프링-일반용   | 1     |              |
| E-12     | 40-804W-1230 |         | Spring Stopper                         | 스프링 스톱퍼          | 2     |              |
| E-13     | 40-204A-2350 |         | Thread Adjusting Nut                   | 실조절 장치 너트        | 1     |              |
| E-14     | SC-0108-2350 |         | Screw(M6)                              | 웜나사              | 1     |              |
| E-15     | 40S016S-306H |         | Second Thread Tension Adjusting Ass'y  | 보조 실조절 장치(조)     | 1Set  |              |
| E-16     | 40S017S-306H |         | Second Thread Tension Adjusting Shaft  | 보조 실조절 장치축       | 1     |              |
| E-17     | 40S019S-306H |         | Second Thread Tension Adjusting Spring | 보조 실 안내 접시 스프링   | 1     |              |
| E-18     | 40-704C-1230 |         | Second Thread Adjusting Nut            | 보조 실조절 장치 너트     | 1     |              |
| E-20     | 40S023S-306H |         | Thread Release Link                    | 실 늦추기 링크         | 1     |              |
| E-21     | 40S024S-306H |         | Thread Release Link Hinge Screw        | 실 늦추기 링크 단나사     | 1     |              |
| E-22     | 40-025A-120H |         | Thread Release Connecting Rod          | 실 늦추기 연결로드       | 1     |              |
| E-23     | 40S026S-306H |         | Hinge Screw A For E-22                 | 실 늦추기 연결로드 단나사 A | 1     |              |
| E-24     | SN-0111-1600 |         | Nut(3/16" n=28)                        | 너트               | 1     |              |
| E-25     | 40S028S-306H |         | Hinge Screw B For E-22                 | 실 늦추기 연결로드 단나사 B | 1     |              |
| E-26     | 06-046W-7400 |         | Washer                                 | 와셔               | 1     |              |
| E-27     | 40-030C-120H |         | Thread Release Stopper                 | 실 늦추기 스톱퍼        | 1     |              |
| E-28     | 55-011S-5050 |         | Screw(3/16" n=28)                      | 웜나사              | 2     |              |
| E-29     | 40-032C-120H |         | Thread Release Adjusting Plate(A)      | 실 늦추기 조정판(A)     | 1     |              |
| E-30     | 40-033C-120H |         | Thread Release Adjusting Plate(B)      | 실 늦추기 조정판(B)     | 1     |              |
| E-31     | 40S033S-306H |         | Thread Release Return Spring           | 실 늦추기 리턴 스프링     | 1     |              |
| E-32     | 01S104S-306H |         | Screw(11/64" n=28)                     | 웜나사              | 1     |              |
| E-33     | 10-020W-2700 |         | Washer                                 | 와셔               | 1     |              |
| E-34     | 40-037C-120H |         | Thread Release Shaft                   | 실 늦추기 축          | 1     |              |
| E-35     | SC-0352-7400 |         | Screw(3/16" n=28)                      | 웜나사              | 1     |              |
| E-36     | 40-039C-120H |         | Thread Release Bar                     | 실 늦추기 작동봉        | 1     |              |
| E-37     | 16-015S-3710 |         | Hinge Screw For E-36                   | 실 늦추기 작동봉 단나사    | 1     |              |
| E-38     | 40S044S-306H |         | Thread Release Bar Guide               | 실 늦추기 작동봉 안내     | 1     |              |
| E-39     | SC-0528-1230 |         | Screw(9/64" n=40)                      | 웜나사              | 2     |              |
| E-40     | 40-040A-120M | M, L, K | Thread Tension Adjusting Ass'y(M)      | 실장력 조절 장치(조)-일반용 | 1Set  |              |

Note: H→Heavy Material(후물용), M→Medium Material(일반용)

L→Light Material(라물용), K→Knit Material(니트용)

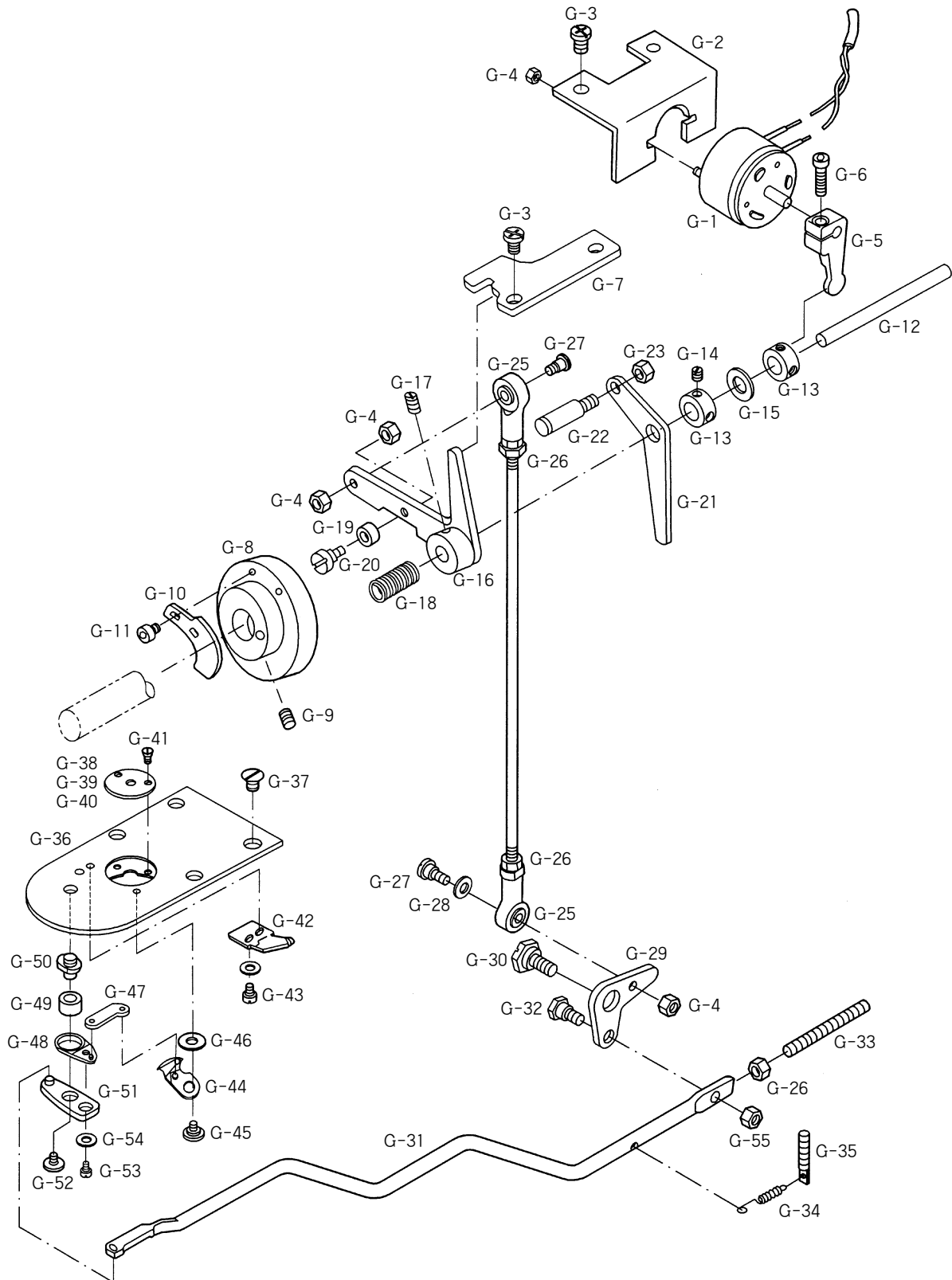
# F

## Wiper Mechanism 와이프 관계





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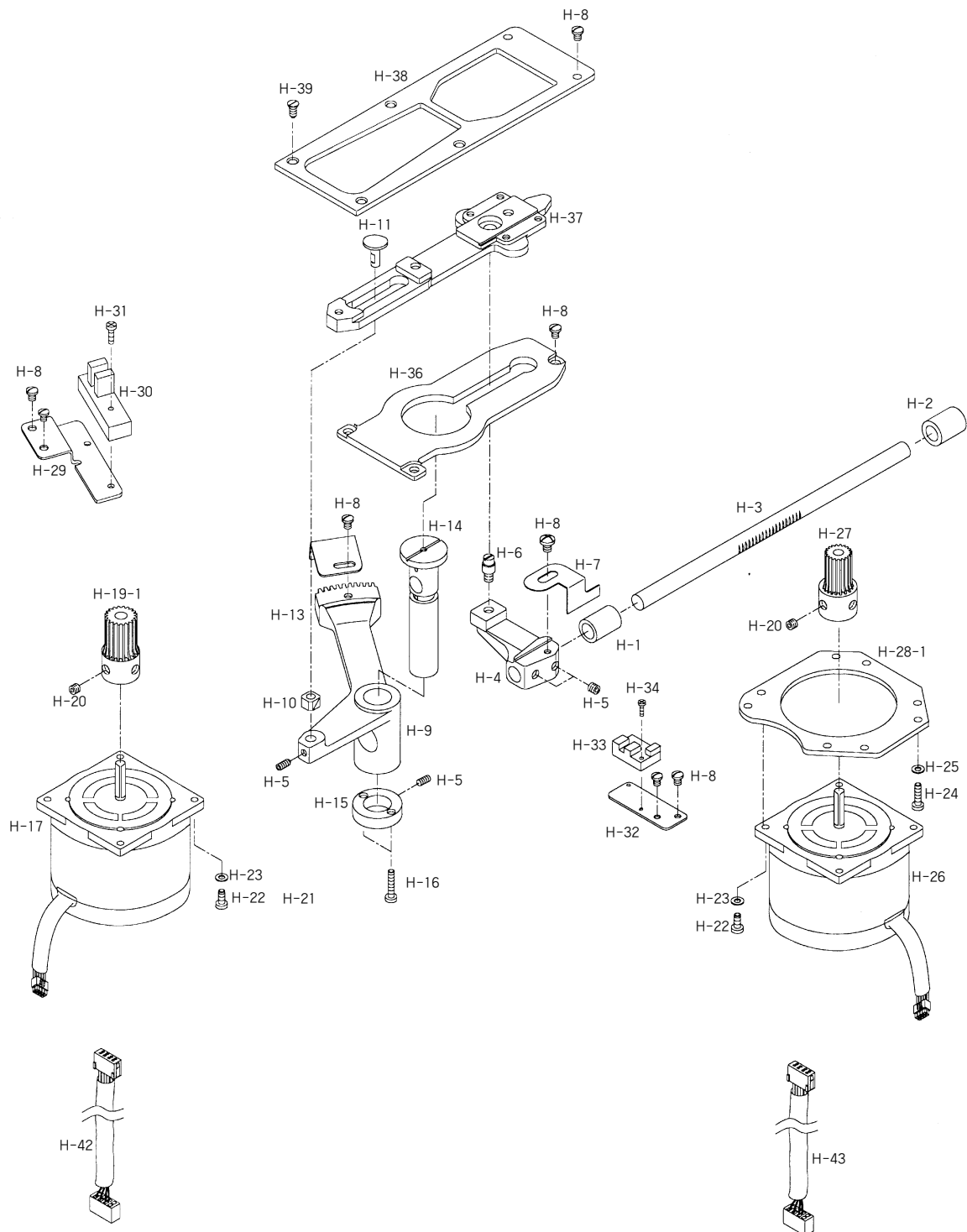


| Ref. No. | Parts No.    | Note | Name of Parts                        | 품 명                   | Q' ty | Assembly No. |
|----------|--------------|------|--------------------------------------|-----------------------|-------|--------------|
| G-1      | 12-0000-BT13 |      | Thread Trimming Sol. Ass'y           | 사절 솔레노이드(조)(BAR-TACK) | 1Set  |              |
| G-2      | 10S002S-306H |      | Thread Trimming Sol. Bracket         | 사절 솔레노이드 브라켓          | 1     |              |
| G-3      | SC-0202-5050 |      | Screw(3/16" n=28)                    | 웍나사                   | 2     |              |
| G-4      | SN-0101-1600 |      | Nut(11/64" n=40)                     | 너트                    | 5     |              |
| G-5      | 10S005S-306H |      | Link For G-1                         | 사절 솔레노이드 회전 링크        | 1     |              |
| G-6      | 10S006S-306H |      | Screw(M4×P0.7)                       | 웍나사                   | 1     |              |
| G-7      | 10S007S-306H |      | Thread Trimming Driving Link Stopper | 사절 구동 링크 스톱퍼          | 1     |              |
| G-8      | 10S009S-306H |      | Thread Trimming Cam                  | 사절 캠                  | 1     |              |
| G-9      | SC-A129-4515 |      | Screw(1/4" n=40)                     | 웍나사                   | 2     |              |
| G-10     | 10S011S-306H |      | Thread Release Notch                 | 실 늦추기 노치              | 1     |              |
| G-11     | 02014SC-4113 |      | Screw(M4×P0.7)                       | 웍나사                   | 2     |              |
| G-12     | 10S113S-306H |      | Thread Trimming Shaft                | 사절 축                  | 1     |              |
| G-13     | 10S114S-306H |      | Thread Trimming Shaft Collar         | 사절 축 카라               | 2     |              |
| G-14     | SC-0164-2700 |      | Screw(M5)                            | 웍나사                   | 2     |              |
| G-15     | 10S017S-306H |      | Rubber Washer For G-12               | 사절 축 고무 와셔            | 1     |              |
| G-16     | 10S018S-306H |      | Thread Trimming Driving Link Ass'y   | 사절 구동 링크(조)           | 1Set  |              |
| G-17     | SC-0317-2700 |      | Screw(15/64" n=28)                   | 웍나사                   | 1     |              |
| G-18     | 10S022S-306H |      | Thread Trimming Shaft Spring         | 사절 축 스프링              | 1     |              |
| G-19     | 10S023S-306H |      | Thread Trimming Cam Roller           | 사절 캠 로울러              | 1     |              |
| G-20     | 10S024S-306H |      | Hinge Screw for G-19                 | 사절 캠 로울러 단나사          | 1     |              |
| G-21     | 10S026S-306H |      | Thread Release Lever                 | 실 늦추기 레버              | 1     |              |
| G-22     | 10S027S-306H |      | Thread Release Lever Pin             | 실 늦추기 레버 핀            | 1     |              |
| G-23     | SN-0105-3400 |      | Nut(15/64" n=28)                     | 너트                    | 1     |              |
| G-24     | 10-029A-120H |      | Thread Trimming Connecting Rod       | 사절 연결 로드              | 1     |              |
| G-25     | 10-220A-8577 |      | Rod End(R)                           | Rod End(우)            | 2     |              |
| G-26     | 0869SN-9311  |      | Nut(M5)                              | 너트                    | 3     |              |
| G-27     | 10S032S-306H |      | Hinge Screw For G-24                 | 사절 연결 로드 단나사          | 2     |              |
| G-28     | 06-036W-3800 |      | Washer                               | 와셔                    | 1     |              |
| G-29     | 10S135S-306H |      | Thread Trimming Connecting Link      | 사절 연결 링크              | 1     |              |
| G-30     | 10S036S-306H |      | Hinge Screw For G-29                 | 사절 연결 링크 단나사          | 1     |              |
| G-31     | 10-037A-120H |      | Thread Trimming Connecting Bar       | 사절 연결봉                | 1     |              |
| G-32     | 10S038S-306H |      | Hinge Screw For G-31                 | 사절 연결봉 단나사            | 1     |              |
| G-33     | 10S062S-306H |      | Link Stopper Screw                   | 링크 스톱퍼 나사             | 1     |              |
| G-34     | 10S064S-306H |      | Return Spring For G-31               | 사절 연결봉 리턴 스프링         | 1     |              |
| G-35     | 10-019S-7507 |      | Spring Holder                        | 스프링 걸이                | 1     |              |
| G-36     | 10-140A-120H |      | Needle Plate                         | 침판                    | 1     |              |
| G-37     | 01-136S-1230 |      | Screw(11/64" n=40)                   | 침판 웍나사                | 4     |              |
| G-38     | 10-041A-120H | H    | Needle Plate Cover(H)                | 침판 커버-후물용             | 1     |              |
| G-39     | 10-043A-120M | M    | Needle Plate Cover(M)                | 침판 커버-일반용             | 1     |              |
| G-40     | 10-143A-120K | L, K | Needle Plate Cover(L, K)             | 침판 커버-박물용             | 1     |              |
| G-41     | 04107SC-A001 |      | Screw                                | 침판 커버 웍나사             | 2     |              |
| G-42     | 10-101A-120H |      | Fixed Mes                            | 고정 메스                 | 1     |              |
| G-43     | 10S046S-306H |      | Screw(9/64" n=40)                    | 웍나사                   | 2     |              |
| G-44     | 10-106A-120H |      | Moving Mes                           | 동 메스                  | 1     |              |
| G-45     | 10-048A-120H |      | Hinge Screw For G-44                 | 동 메스 단나사              | 1     |              |
| G-46     | 10S049S-306H |      | Washer(t=0.4)                        | 동 메스 와셔(t0.4)         | 1     |              |
|          | 10S050S-306H |      | Washer(t=0.5)                        | 동 메스 와셔(t0.5)         |       |              |
|          | 10-051W-120H |      | Washer(t=0.6)                        | 동 메스 와셔(t0.6)         |       |              |
|          | 10-052W-120H |      | Washer(t=0.7)                        | 동 메스 와셔(t0.7)         |       |              |
| G-47     | 10S053S-306H |      | Moving Mes Link                      | 동 메스 링크               | 1     |              |
| G-48     | 10S055S-306G |      | Thread Trimming Lever "B"            | 사절 레버 "B"             | 1     |              |
| G-49     | 10S056S-306H |      | Thread Trimming Lever Ring           | 사절 레버 링               | 1     |              |
| G-50     | 10S057S-306H |      | Thread Trimming Lever Shaft          | 사절 레버 축               | 1     |              |
| G-51     | 10S058S-306H |      | Thread Trimming Lever "A"            | 사절 레버 "A"             | 1     |              |
| G-52     | 10S059S-306H |      | Thread Trimming Lever Screw          | 사절 레버 고정나사            | 1     |              |
| G-53     | 10S060S-306H |      | Screw(11/64" n=40)                   | 사절레버 B 웍나사            | 1     |              |
| G-54     | 10-020W-2700 |      | Washer                               | 와셔                    | 1     |              |
| G-55     | SN-0119-1230 |      | Nut(3/16" n=28)                      | 사절 연결봉 단나사용 너트        | 1     |              |

Note: H→Heavy Material(후물용), M→Medium Material(일반용)

L→Light Material(박물용), K→Knit Material(니트용)

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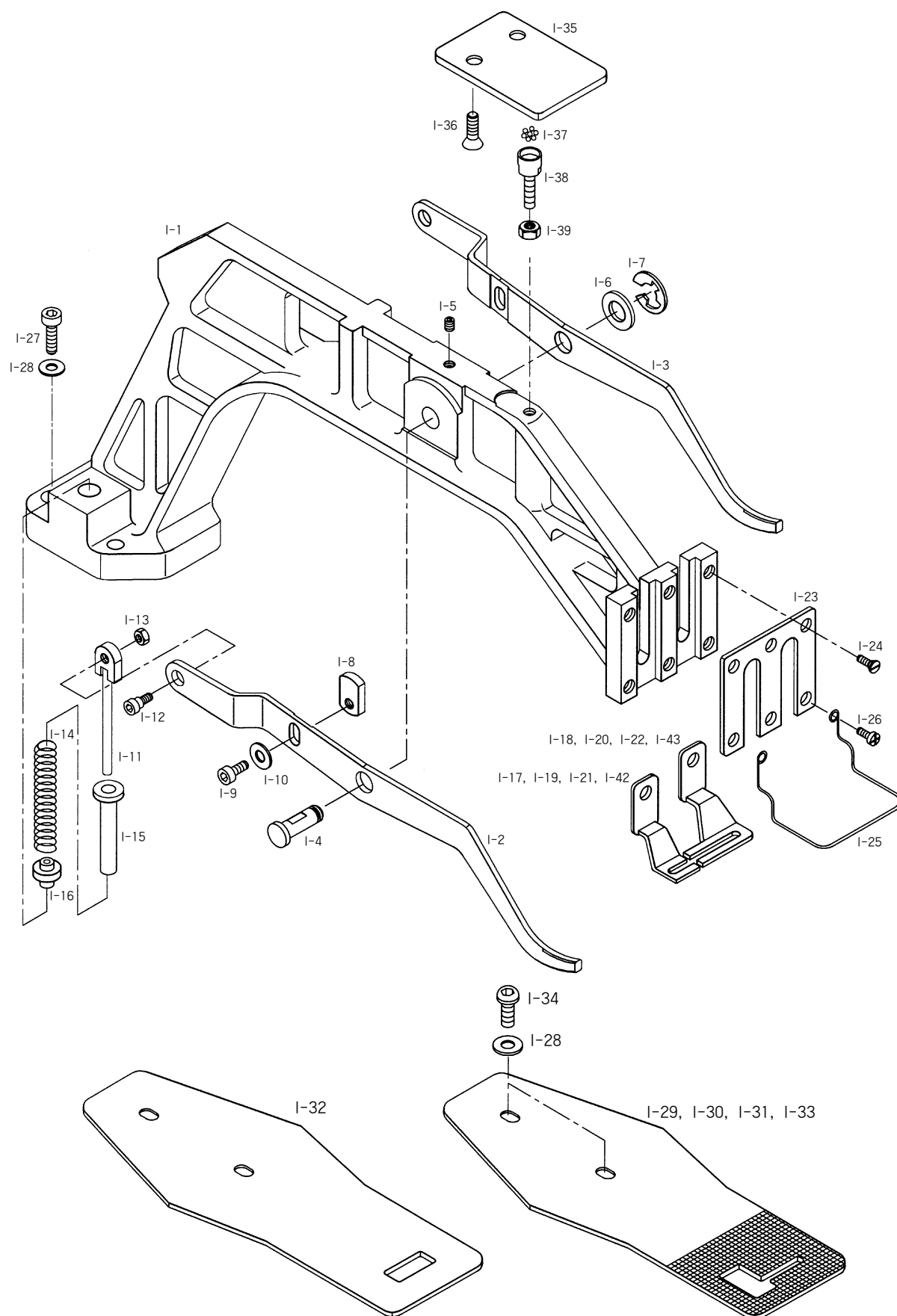
| Ref. No. | Parts No.     | Note | Name of Parts                  | 품 명          | Q' ty | Assembly No. |
|----------|---------------|------|--------------------------------|--------------|-------|--------------|
| H-1      | 20-001A-120H  |      | Y-Feed Bushing(F)              | Y-이송 전 붓싱    | 1     |              |
| H-2      | 20-002A-120H  |      | Y-Feed Bushing(R)              | Y-이송 후 붓싱    | 1     |              |
| H-3      | 20-003A-120H  |      | Y-Feed Shaft                   | Y-이송 축       | 1     |              |
| H-4      | 20-004A-120H  |      | Y-Feed Arm                     | Y-이송 아암      | 1     |              |
| H-5      | SC-A308-5067  |      | Screw(1/4" n=40)               | 웜나사          | 4     |              |
| H-6      | 20-006A-120H  |      | Y-Feed Hinge Stud Screw        | Y-이송 힌지 단나사  | 1     |              |
| H-7      | 20-007A-120H  |      | Y-Sensor Film                  | Y-센서 감지판     | 1     |              |
| H-8      | SC-0173-1230  |      | Screw(3/16" n=32)              | 웜나사          | 4     |              |
| H-9      | 20-009A-120H  |      | X-Feed Lever Gear              | X-이송 레버 기어   | 1     |              |
| H-10     | 04S106S-306H  |      | X-Feed Block                   | X-이송 블록      | 1     |              |
| H-11     | 20-011A-120H  |      | X-Feed Block Shaft             | X-이송 블록 축    | 1     |              |
| H-13     | 20-013A-120H  |      | X-Sensor Film                  | X-센서 감지판     | 1     |              |
| H-14     | 20-015A-120H  |      | X-Feed Lever Gear Shaft        | X-이송 레버 축    | 1     |              |
| H-15     | 20-016A-120H  |      | X-Feed Lever Gear Shaft Collar | X-이송 레버 축 카라 | 1     |              |
| H-16     | SC-0533-3400  |      | Screw(11/64" n=40)             | 웜나사          | 2     |              |
| H-17     | 20-051A-12HA  |      | X-Driving Motor Ass'y          | X-구동 모터(조)   | 1Set  |              |
| H-19-1   | 20-052A-12HA  |      | X-Drive Gear                   | X-이송 구동 기어   | 1     |              |
| H-20     | SC-0317-2700  |      | Screw(15/64" n=28)             | 웜나사          | 4     |              |
| H-22     | 020-15SC-4113 |      | Screw(M4, L=12)                | 웜나사          | 8     |              |
| H-23     | 20-055W-120H  |      | Washer                         | 와셔           | 8     |              |
| H-24     | SC-0296-3900  |      | Screw(11/64" n=40)             | 흑 받침 웜나사     | 4     |              |
| H-25     | 10-020W-2700  |      | Washer                         | 와셔           | 4     |              |
| H-26     | 20-053A-12HA  |      | Y-Driving Motor Ass'y          | Y-구동 모터(조)   | 1Set  |              |
| H-27     | 20-030A-120H  |      | Y-Drive Gear                   | Y-이송 구동 기어   | 1     |              |
| H-28-1   | 20-054A-12HA  |      | Y-Driven Motor Mounting Plate  | Y-구동 모터 부착판  | 1     |              |
| H-29     | 20-037A-120H  |      | X-Sensor Base                  | X-센서 베이스     | 1     |              |
| H-30     | 20S076S-306H  |      | X-Sensor                       | X-센서         | 1     |              |
| H-31     | 22031SC-8118  |      | Screw(M4, L=10)                | 웜나사          | 1     |              |
| H-32     | 20-041A-120H  |      | Y-Sensor Base                  | Y-센서 베이스     | 1     |              |
| H-33     | 20S029S-306H  |      | Y-Sensor                       | Y-센서         | 1     |              |
| H-34     | 02S030S-306H  |      | Screw(M3, L=9)                 | 웜나사          | 1     |              |
| H-36     | 20-046A-120H  |      | Cloth Feed Support Plate       | 하부 이송 지지판    | 1     |              |
| H-37     | 20-048A-120H  |      | Cloth Feed Plate               | 하부 이송판       | 1     |              |
| H-38     | 20-149A-120H  |      | Feed Guide Plate               | 피이드 가이드 브라켓  | 1     |              |
| H-39     | 01-136S-1230  |      | Screw(11/64" n=40)             | 침관 웜나사       | 4     |              |
| H-42     | 22-151A-12HA  |      | X-Step Motor Cable             | X-스텝 모터 케이블  | 1     |              |
| H-43     | 22-152A-12HA  |      | Y-Step Motor Cable             | Y-스텝 모터 케이블  | 1     |              |

Note: H→Heavy Material(후물용), M→Medium Material(일반용)

L→Light Material(라물용), K→Knit Material(니트용)

# Feed Mechanism

## 피이드 관계

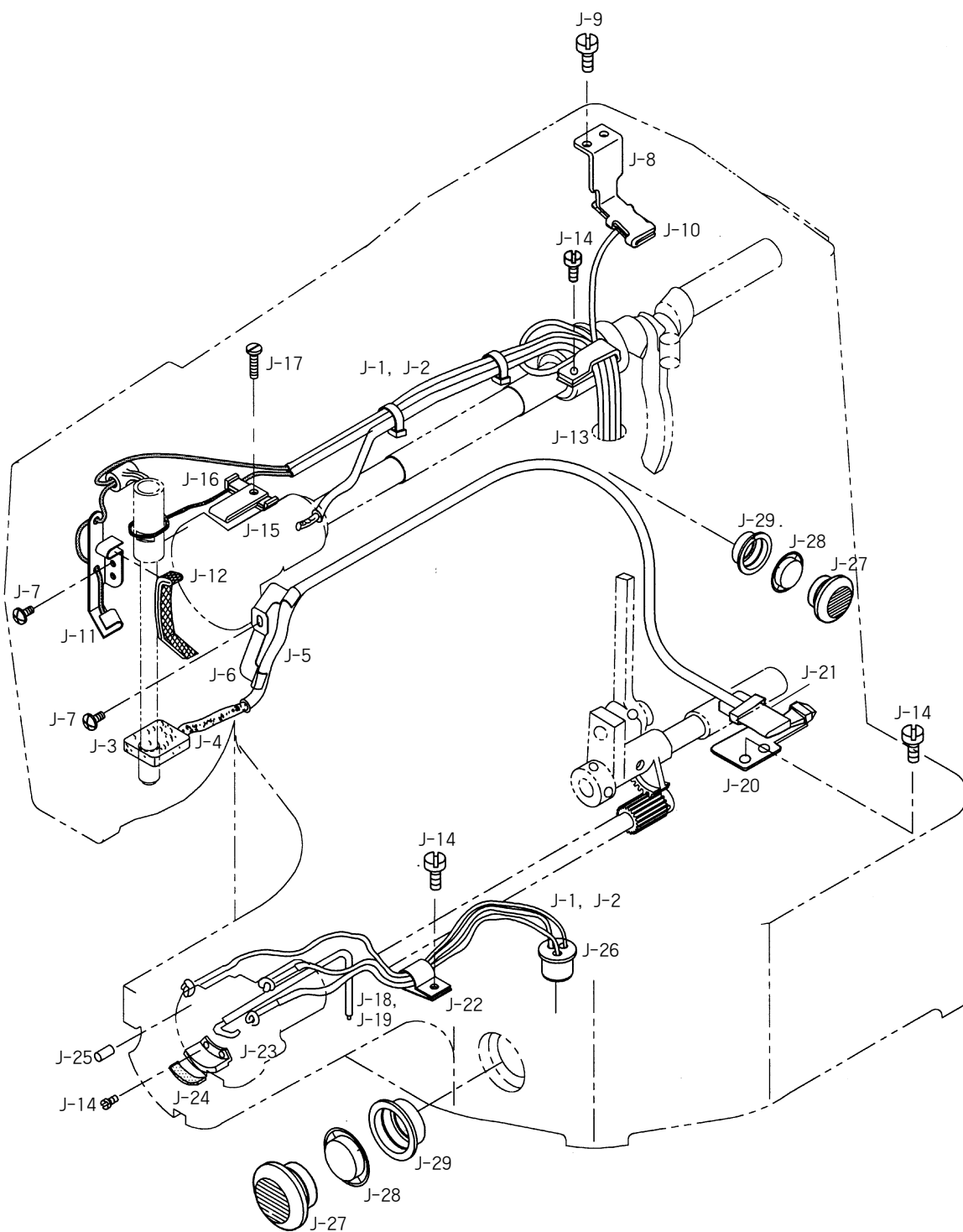




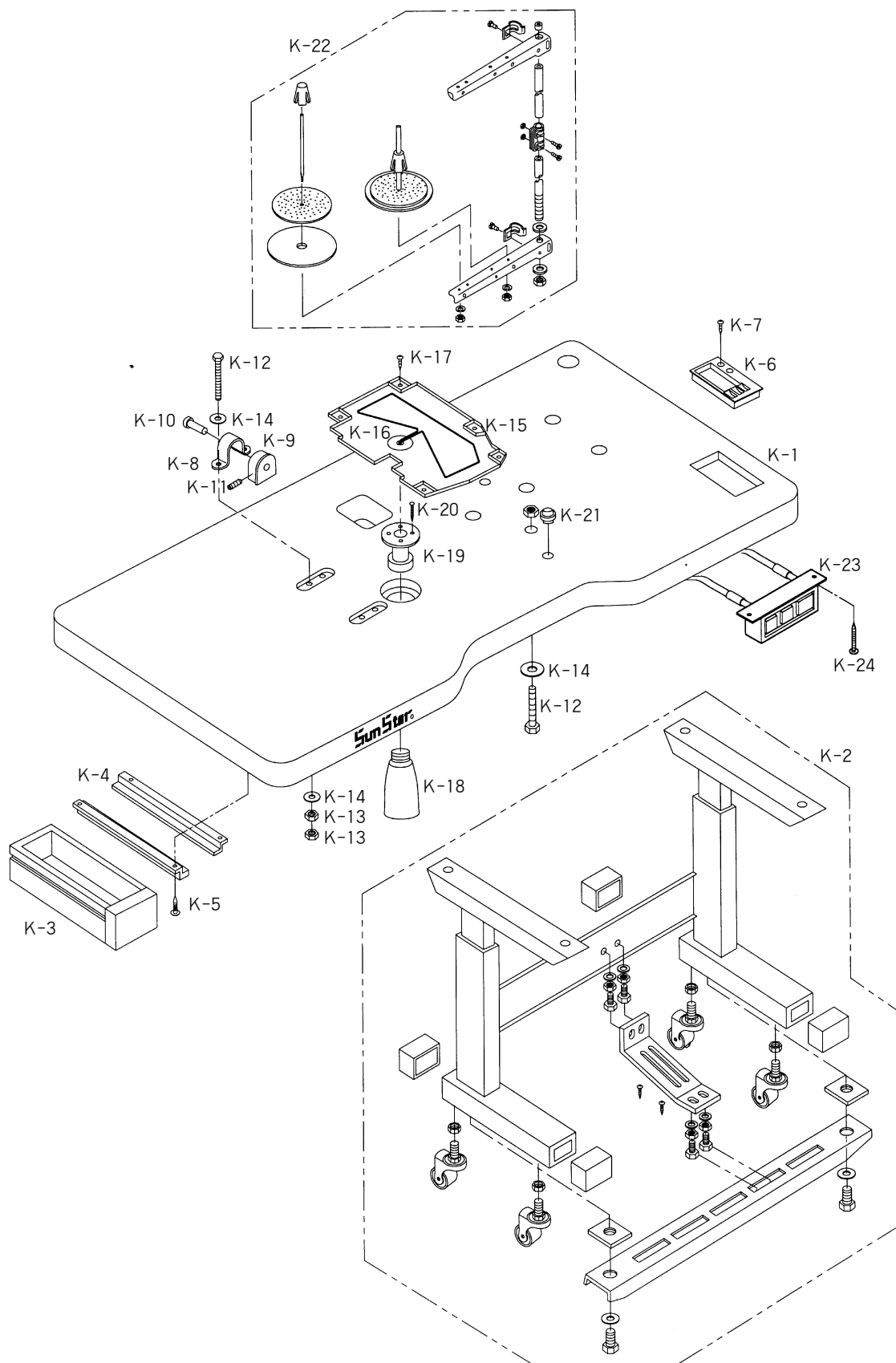
| Ref. No. | Parts No.    | Note    | Name of Parts                   | 품명             | Q'ty | Assembly No. |
|----------|--------------|---------|---------------------------------|----------------|------|--------------|
| I-1      | 22-001A-120H |         | Feed Bracket                    | 피이드 브라켓        | 1    |              |
| I-2      | 22-002A-120H |         | Lifting Lever(L)                | 올림 레버(좌)       | 1    |              |
| I-3      | 22-003A-120H |         | Lifting Lever(R)                | 올림 레버(우)       | 1    |              |
| I-4      | 22-004A-120H |         | Lifting Lever Shaft             | 올림 레버 축        | 1    |              |
| I-5      | SC-0317-2700 |         | Screw(15/64" n=28)              | 웜나사            | 1    |              |
| I-6      | 06-046W-7400 |         | Washer                          | 와셔             | 1    |              |
| I-7      | 04-009C-3710 |         | E-Ring                          | E-링(호칭경 5)     | 1    |              |
| I-8      | 22-008A-120H |         | Adjusting Plate                 | 조정판            | 2    |              |
| I-9      | 01S106S-306H |         | Screw                           | 웜나사            | 2    |              |
| I-10     | 10-020W-2700 |         | Washer                          | 조정판 웜나사용 와셔    | 2    |              |
| I-11     | 22-011A-120H |         | Spring Guide Rod                | 스프링 가이드 로드(조)  | 2Set |              |
| I-12     | 43-010S-2500 |         | Hinge Screw For I-11            | 스프링 가이드 로드 단나사 | 2    |              |
| I-13     | SN-0111-1600 |         | Nut(3/16" n=28)                 | 너트             | 2    |              |
| I-14     | 22-016G-120H | H       | Spring For Lifting Lever(H)     | 올림 레버 스프링-후물용  | 2    |              |
| I-15     | 22-017C-120H |         | Spring Collar A                 | 스프링 카라(A)      | 2    |              |
| I-16     | 22-018C-120H |         | Spring Collar B                 | 스프링 카라(B)      | 2    |              |
| I-17     | 22-019A-120H | H       | Work Clamp Foot-L(H)            | 노루발(좌)-후물용     | 1    |              |
| I-18     | 22-020A-120H | H       | Work Clamp Foot-R(H)            | 노루발(우)-후물용     | 1    |              |
| I-19     | 22-021A-120M | M       | Work Clamp Foot-L(M)            | 노루발(좌)-일반용     | 1    |              |
| I-20     | 22-022A-120M | M       | Work Clamp Foot-R(M)            | 노루발(우)-일반용     | 1    |              |
| I-21     | 22-023A-120L | L       | Work Clamp Foot-L(L)            | 노루발(좌)-박물용     | 1    |              |
| I-22     | 22-024A-120L | L       | Work Clamp Foot-R(L)            | 노루발(우)-박물용     | 1    |              |
| I-23     | 22-023A-120H |         | Guide Cover For Work Clamp Foot | 노루발 가이드 커버     | 1    |              |
| I-24     | SC-0310-8130 |         | Screw(9/64" n=40)               | 웜나사            | 4    |              |
| I-25     | 22-125A-120H |         | Finger Guard                    | 핑거 가드          | 1    |              |
| I-26     | SC-0528-1230 |         | Screw(9/64" n=40)               | 톱 카바나사(우)      | 2    |              |
| I-27     | SC-0108-2350 |         | Bolt(M6× l 20)                  | 고정볼트           | 2    |              |
| I-28     | 22S025S-306H |         | Washer                          | 와셔             | 4    |              |
| I-29     | 22-329A-120H | H       | Feed Plate(H)                   | 이송판-후물용        | 1    |              |
| I-30     | 22-030A-120M | M       | Feed Plate(M)                   | 이송판-일반용        | 1    |              |
| I-31     | 22-033A-120L | L       | Feed Plate(L)-A                 | 이송판(A)-박물용     | 1    |              |
| I-32     | 22-034A-120L | L       | Feed Plate(L)-B                 | 이송판(B)-박물용     | 1    |              |
| I-33     | 22-035A-120K | K       | Feed Plate(K)                   | 이송판-니트용        | 1    |              |
| I-34     | 22-031A-120H |         | Screw(M6× l 10)                 | 웜나사            | 2    |              |
| I-35     | 22-038A-120H |         | Ball Support Plate              | 볼 지지판          | 1    |              |
| I-36     | 22-039S-120H |         | Screw(M6)                       | 볼 지지판 웜나사(M6)  | 2    |              |
| I-37     | 06-034A-3900 |         | Ball                            | 볼              | 7    |              |
| I-38     | 22-040A-120H |         | Ball Base                       | 볼 베이스          | 1    |              |
| I-39     | SN-0116-3400 |         | Nut(1/4" n=40)                  | 수평운동 조절축 너트    | 1    |              |
| I-41     | 22-016G-120M | M, L, K | Spring For Lifting Lever(M)     | 올림 레버 스프링-일반용  | 2    |              |
| I-42     | 22-023A-120K | K       | Work Clamp Foot -L(K)           | 노루발(좌)-니트용     | 1    |              |
| I-43     | 22-024A-120K | K       | Work Clamp Foot -R(K)           | 노루발(우)-니트용     | 1    |              |

Note: H→Heavy Material(후물용), M→Medium Material(일반용)

L→Light Material(박물용), K→Knit Material(니트용)



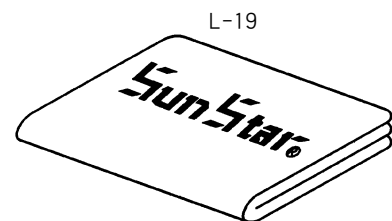
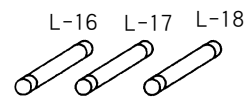
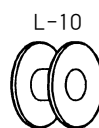
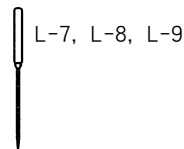
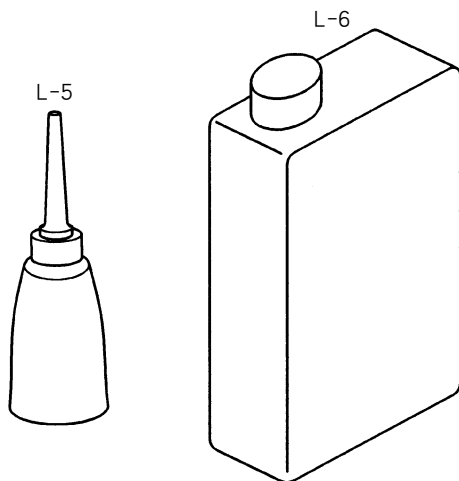
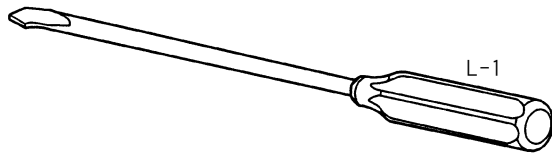
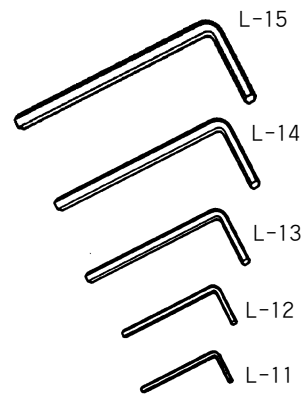
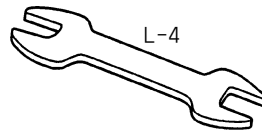
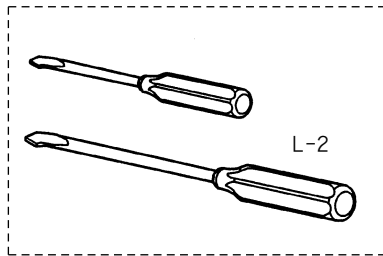
| Ref. No. | Parts No.    | Note | Name of Parts                          | 품 명              | Q' ty | Assembly No. |
|----------|--------------|------|----------------------------------------|------------------|-------|--------------|
| J-1      | 44-0000-1230 |      | Oil Wick                               | 오일 유심            |       |              |
| J-2      | 44-012C-1230 |      | Oil Hose                               | 570 우레탄 호수 (3×5) |       |              |
| J-3      | 44S007S-306H |      | Oil Return Felt A                      | 환류 오일 펠트 "A"     | 1     |              |
| J-4      | 44S008S-306H |      | Arm Oil Return Felt                    | 아암부 환류 펠트        | 1     |              |
| J-5      | 44S002S-306H |      | Oil Hose For J-4                       | 아암부 환류 펠트 오일 호스  | 1     |              |
| J-6      | 44-008C-120H |      | Holder For J-5                         | 아암 환류 펠트 호스 잡이   | 1     |              |
| J-7      | SC-A156-4118 |      | Screw(9/64" n=40)                      | 캡나사              | 2     |              |
| J-8      | 44S024S-306H |      | Crank Rod Lubrication Plate            | 크랭크 로트 급유 판      | 1     |              |
| J-9      | SC-0548-7400 |      | Screw(3/16" n=28)                      | 캡나사              | 2     |              |
| J-10     | 44S027S-306H |      | Crank Rod Lubrication Felt             | 크랭크 로트 급유 펠트     | 1     |              |
| J-11     | 44-017C-120H |      | Needle Bar Crank Rod Lubrication Plate | 바늘대 크랭크 로트 급유판   | 1     |              |
| J-12     | 44-019M-120H |      | Needle Bar Crank Rod Lubrication Felt  | 바늘대 크랭크 로트 급유 펠트 | 1     |              |
| J-13     | 44S032S-306H |      | Oil Hose Holder(L)                     | 오일 호스 잡이(大)      | 1     |              |
| J-14     | SC-0543-2302 |      | Screw(11/64" n=40)                     | 캡나사              | 4     |              |
| J-15     | 44S034S-306H |      | Balance Lubrication Plate              | 밸런스 급유 판         | 1     |              |
| J-16     | 44S035S-306H |      | Balance Lubrication Felt               | 밸런스 급유 펠트        | 1     |              |
| J-17     | SC-0340-3710 |      | Screw(9/64" n=40)                      | 캡나사              | 1     |              |
| J-18     | 44S039S-306H |      | Bed Oil Return Felt                    | 베드부 환류 펠트        | 1     |              |
| J-19     | 44S001S-306H |      | Oil Hose For J-18                      | 베드부 환류 펠트 오일 호스  | 1     |              |
| J-20     | 44S041S-306H |      | Oscillator Lubrication Plate           | 요동축 기어 급유 판      | 1     |              |
| J-21     | 44S042S-306H |      | Oscillator Lubrication Felt            | 요동축 기어 급유 펠트     | 1     |              |
| J-22     | 44S005S-306H |      | Cable Holder                           | 오일 호스잡이 (A)      | 1     |              |
| J-23     | 44S044S-306H |      | Shuttle Lubrication Plate              | 셔틀 급유 판          | 1     |              |
| J-24     | 44S046S-306H |      | Shuttle Lubrication Felt(L)            | 셔틀 급유 펠트(大)      | 1     |              |
| J-25     | 06-033M-7400 |      | Shuttle Lubrication Felt(S)            | 셔틀 급유 펠트(小)      | 2     |              |
| J-26     | 44-034R-120H |      | Bed Oil Wick Rubber Cap                | 베드 유심 고무 마개      | 1     |              |
| J-27     | 44S052S-306H |      | Oil Window                             | 유창               | 2     |              |
| J-28     | 44S053S-306H |      | Oil Gauge                              | 오일 게이지           | 2     |              |
| J-29     | 44S054S-306H |      | Oil Window Rubber Ring                 | 유창 고무링           | 2     |              |



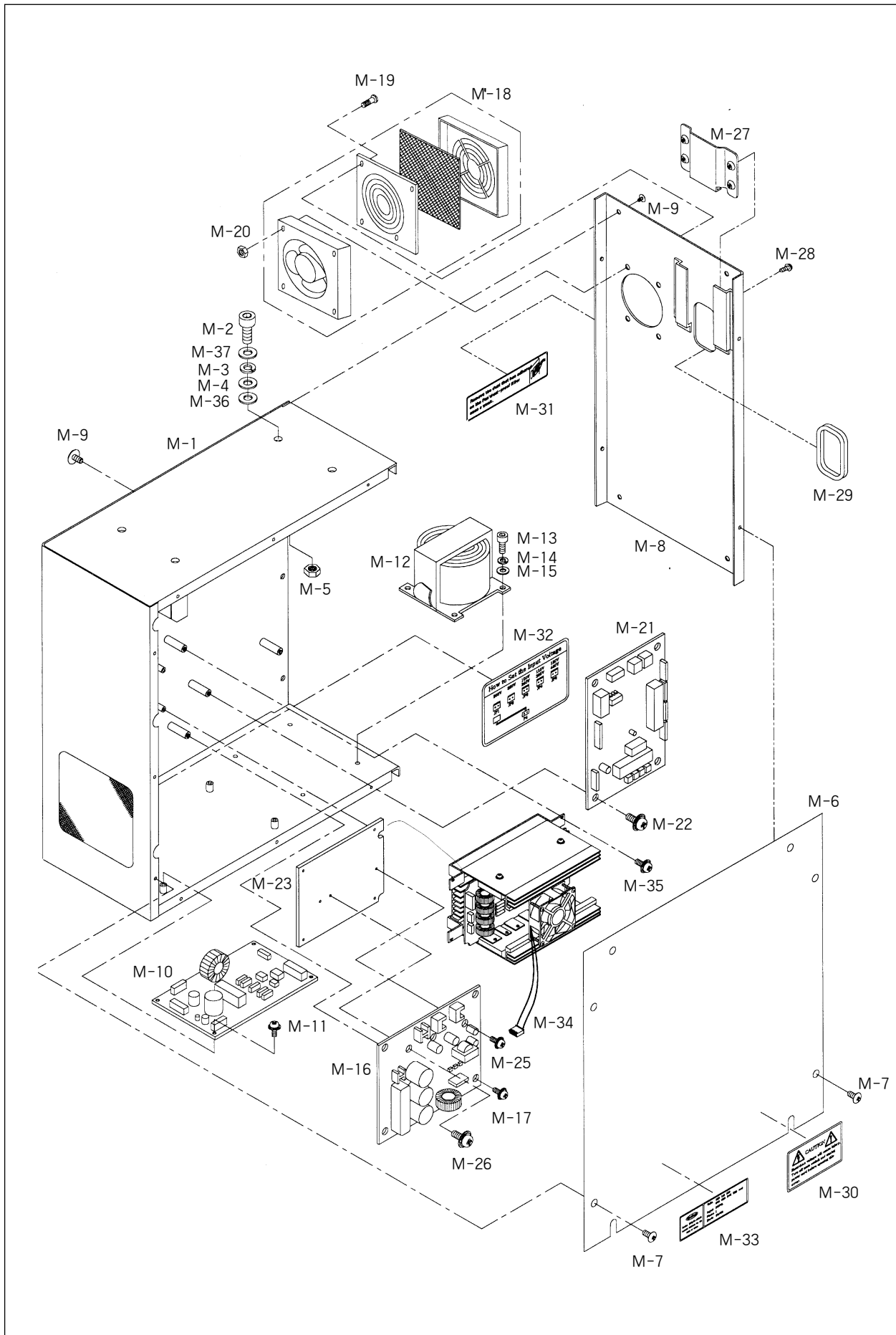
| Ref. No. | Parts No.    | Note | Name of Parts           | 품 명           | Q' ty | Assembly No. |
|----------|--------------|------|-------------------------|---------------|-------|--------------|
| K-1      |              |      | Table Ass'y             | 테이블(조)        | 1Set  |              |
| K-2      | TZ-001-1000  |      | Table Stand Ass'y       | 테이블 다리(조)     | 1Set  |              |
| K-3      |              |      | Table Drawer            | 테이블 서랍        | 1     |              |
| K-4      |              |      | Support Bracket For K-3 | 테이블 서랍 받침 브라켓 | 2     |              |
| K-5      |              |      | Screw Nail              | 태핑 나사         | 4     |              |
| K-6      | 90A008S-811H |      | Accessory Case          | 보관대           | 1     |              |
| K-7      |              |      | Screw                   | 태핑 나사         | 2     |              |
| K-8      | 01S122S-306H |      | Hinge                   | 현지쇠           | 2     |              |
| K-9      | 01S123S-306H |      | Hinge Rubber            | 현지쇠 고무        | 2     |              |
| K-10     | 01S124S-306H |      | Hinge Pin               | 현지쇠 핀         | 2     |              |
| K-11     | SC-0164-2700 |      | Screw(M5×P0.8)          | 캡나사           | 2     |              |
| K-12     | 01S126S-306H |      | Bolt(M6× l 60)          | 볼트            | 5     |              |
| K-13     | 01S127S-306H |      | Nut(M6)                 | 너트            | 8     |              |
| K-14     | 01S128S-306H |      | Washer                  | 와셔            | 9     |              |
| K-15     | 91-106A-120H |      | Oil Pan                 | 오일 받이         | 1     |              |
| K-16     | 44-0000-1230 |      | Oil Wick                | 오일 받이 유심      | 1     |              |
| K-17     |              |      | Screw Nail              | 태핑 나사         | 5     |              |
| K-18     | 91-002C-7400 |      | Oiler                   | 오일 저장통        | 1     |              |
| K-19     | 90S008S-306H |      | Oil Supporter           | 오일통 받이        | 1     |              |
| K-20     |              |      | Nail                    | 고정 못          | 4     |              |
| K-21     | 90S010S-306H |      | Cushion Rubber          | 쿠션 고무         | 2     |              |
| K-22     | 91-007A-2302 |      | Thread Stand Ass'y      | 실패꽃이(조)       | 1Set  |              |
| K-23     | 91-005A-SH51 |      | Power Switch            | 전원 스위치        | 1     |              |
| K-24     |              |      | Screw Power Switch      | 전원 스위치 고정나사   | 2     |              |
|          |              |      |                         |               |       |              |
|          |              |      |                         |               |       |              |
|          |              |      |                         |               |       |              |
|          |              |      |                         |               |       |              |
|          |              |      |                         |               |       |              |



Accessories  
악세서리

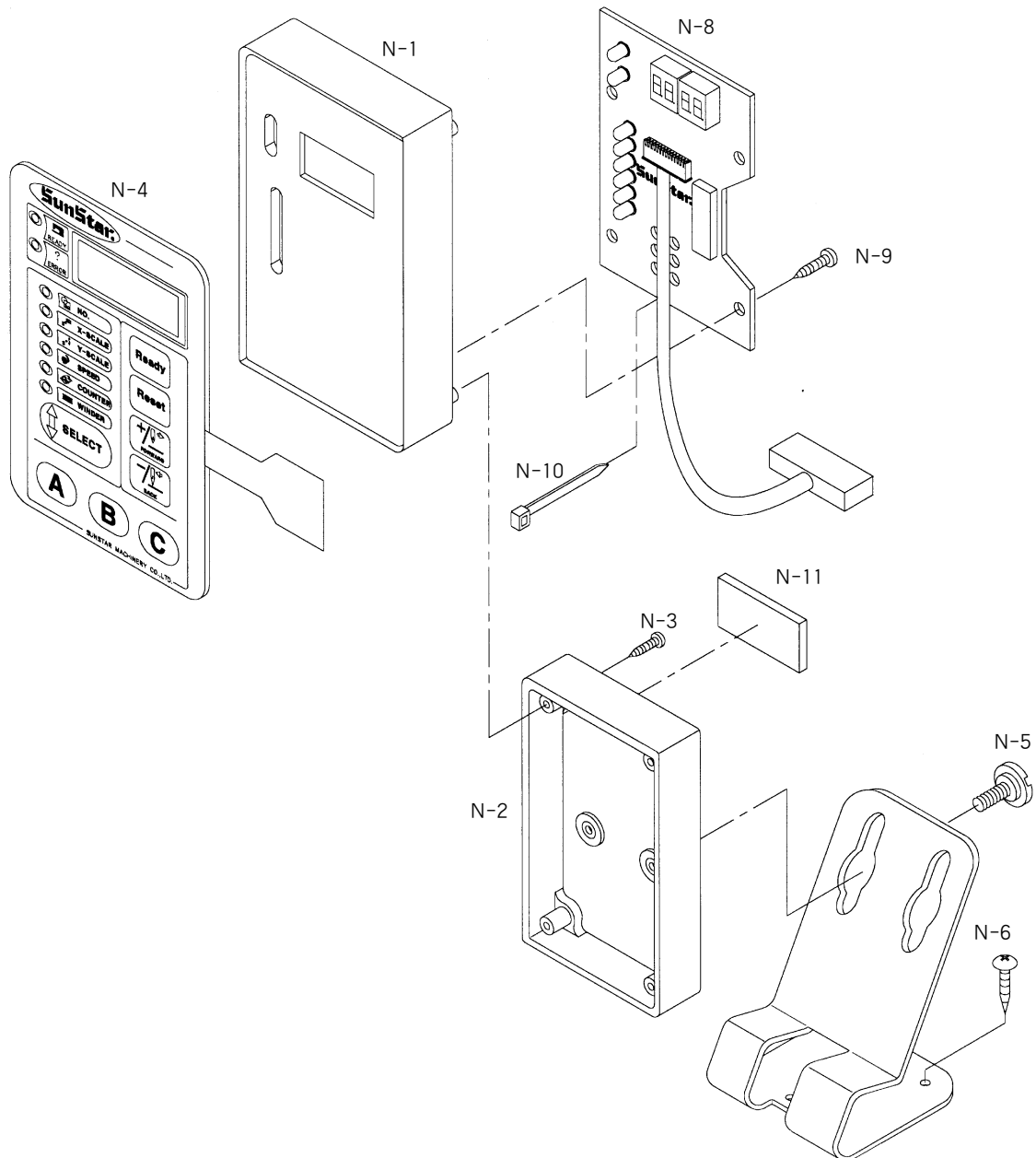


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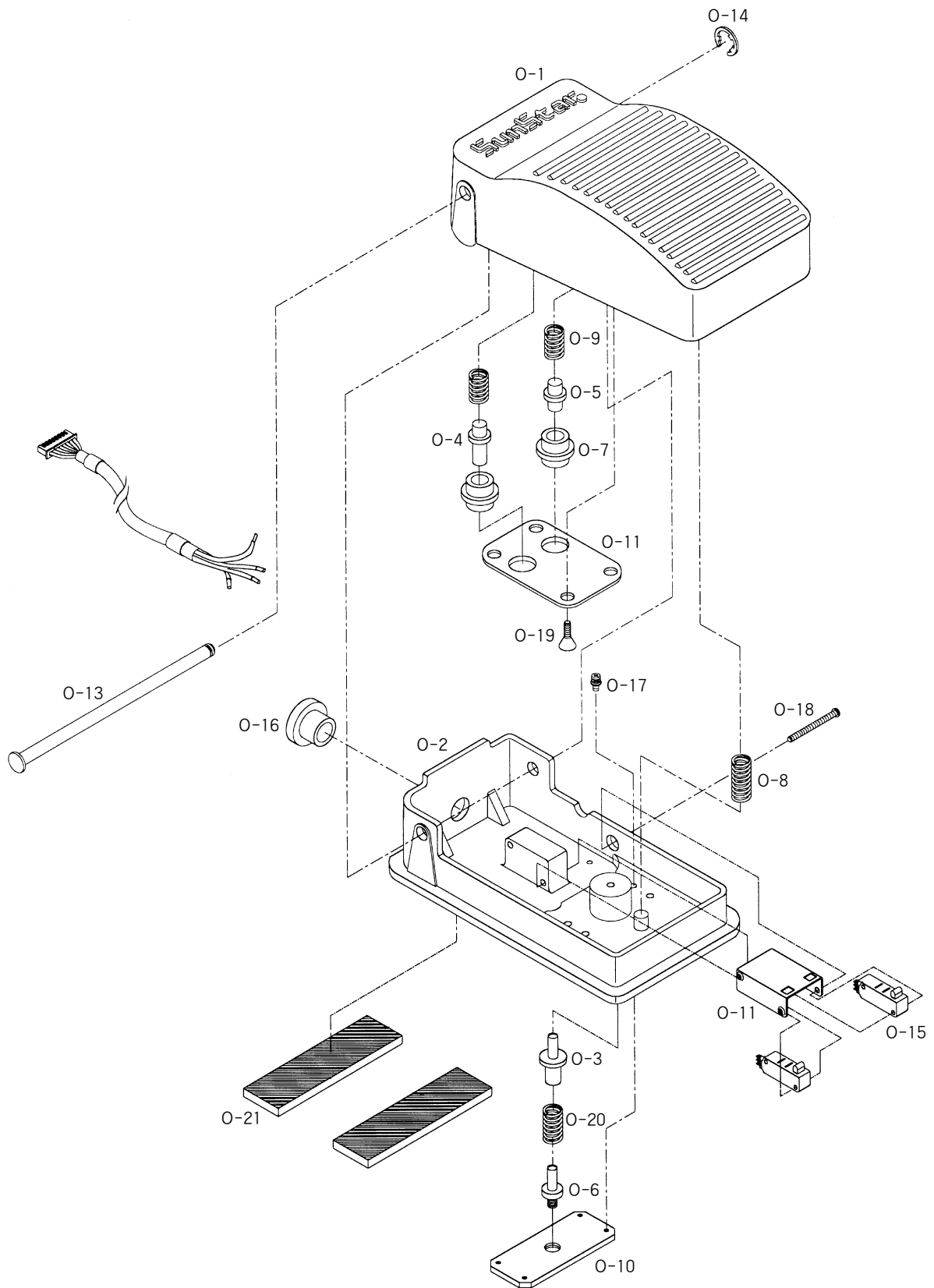
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|----------|--------------|------|-------------------------------------------|---------------------------|-------|--------------|
| M-1      | 01-001A-2070 |      | Control Box                               | 컨트롤 박스                    | 1     |              |
| M-2      | 10-001M-PT01 |      | Screw Control Box(M6×P1 L=45, SUS)        | 컨트롤 박스 조임 볼트              | 6     |              |
| M-3      | 10-003S-SW66 |      | Spring Washer Control Box                 | 컨트롤 박스 스프링 와셔(호청경 6, SUS) | 6     |              |
| M-4      | 10-004S-SW66 |      | Flat Washer Control Box                   | 컨트롤 박스 평 와셔(호청경 6, SUS)   | 6     |              |
| M-5      | 10-003S-PT01 |      | Nut Control Box                           | 컨트롤 박스 너트[M4, Zn도금 (황색)]  | 6     |              |
| M-6      | 01-002A-2070 |      | Control Box Cover                         | 컨트롤 박스 전면 커버              | 1     |              |
| M-7      | 10-014M-AT10 |      | Screw Control Box Cover(M4×P0.7 L=6)      | 컨트롤 박스 전면 커버 조임 나사        | 12    |              |
| M-8      | 01-003A-2070 |      | Control Box Side Cover                    | 컨트롤 박스 측면 커버              | 1     |              |
| M-9      | 10-014M-AT10 |      | Screw Control Box Side Cover(M4×P0.7 L=6) | 컨트롤 박스 측면 커버 조임 나사        | 7     |              |
| M-10     | 02-0000-BP02 |      | POWER P.C.B                               | 파워 보드(POWER P.C.B)        | 1     |              |
| M-11     | 10-021M-SW66 |      | Screw POWER P.C.B(M3×P0.5 L=8)            | 파워 보드 조임 나사(조)            | 4     |              |
| M-12     | 01-104A-BT01 |      | Transformer                               | 트랜스 포머                    | 1     |              |
| M-13     | 10-028M-SW66 |      | Screw Transformer(M5×P0.8 L=10)           | 트랜스 포머 조임 나사              | 4     |              |
| M-14     | 10-028M-SW66 |      | Spring Washer Transformer                 | 트랜스 포머 스프링 와셔             | 4     |              |
| M-15     | 10-005S-SW66 |      | Flat Washer Transformer                   | 트랜스 포머 평 와셔               | 4     |              |
| M-16     | 14-0000-BR00 |      | Main Motor Drive Board                    | 주축 모터 구동 보드               | 1     |              |
| M-17     | 10-021M-SW66 |      | Screw(11/64" n=40)                        | 주축 모터 구동 보드               | 4     |              |
| M-18     | 01-005M-BT01 |      | Fan                                       | 송풍기                       | 1     |              |
| M-19     | 01-002M-AU11 |      | Screw Fan(M4×P0.7 L=30)                   | 송풍기 조임 볼트                 | 4     |              |
| M-20     | 09-035S-3701 |      | Nut Fan(M4)                               | 송풍기 조임 너트                 | 4     |              |
| M-21     | 12-0000-BD00 |      | Digital Board                             | 디지털 보드                    | 1     |              |
| M-22     | 10-001M-BP01 |      | Screw Digital Board(M3×P0.5 L=8)          | 디지털 보드 조임 나사(조)           | 4     |              |
| M-23     | 01-005A-2070 |      | Main Radiator                             | 주축 방열관                    | 1     |              |
| M-24     | 10-018M-SW66 |      | Screw Main Radiator(M4×P0.7 L=10)         | 주축 방열관 조임 나사(조)           | 4     |              |
| M-25     | 15-022S-1000 |      | Screw IPM(M4×P0.7 L=20)                   | IPM 조임 나사(조)              | 2     |              |
| M-26     | 01-002M-AU12 |      | Screw Bridge Diode(M4×P0.7 L=20)          | Bridge Diode 조임 나사(조)     | 1     |              |
| M-27     | 01-007A-BT01 |      | Connector Cover                           | 콘넥터 커버                    | 1     |              |
| M-28     | 10-022M-SW66 |      | Screw Connector Cover(M4×P0.7 L=8)        | 콘넥터 커버 조임 나사(조)           | 2     |              |
| M-29     | 11-001S-PT10 |      | Ending Bushing                            | 엔딩 부싱                     | 1     |              |
| M-30     | 01-003S-BT01 |      | Sticker Caution                           | 고전압 위험 스티커                | 1     |              |
| M-31     | 01-004S-BT01 |      | Sticker Replacing Filter                  | 필터 교환 스티커                 | 1     |              |
| M-32     | 01-005S-BT01 |      | Sticker Changing the Input Voltage        | 전압 설정 방법 스티커              | 1     |              |
| M-33     | 12-149C-SC53 |      | Sticker Model                             | 스티커 모델                    | 1     |              |
| M-34     | 05-0000-XY01 |      | Step Motor Drive Board                    | 스텝 모터 구동 보드               | 1     |              |
| M-35     | 10-001M-BT01 |      | Screw Step Motor Drive Board(M3×P0.5 L=8) | 스텝 모터 구동 보드 조임나사          | 4     |              |
| M-36     | 91-001C-BT10 |      | Urethan Washer                            | 우레탄 와셔                    | 6     |              |
| M-37     | 91-001C-PT10 |      | Table Washer                              | 테이블 와셔                    | 6     |              |



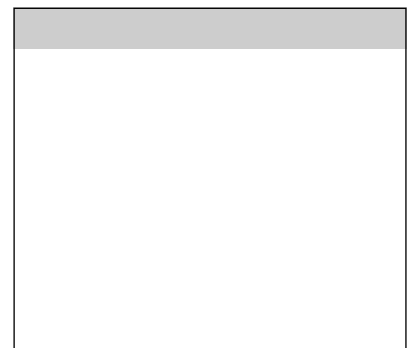
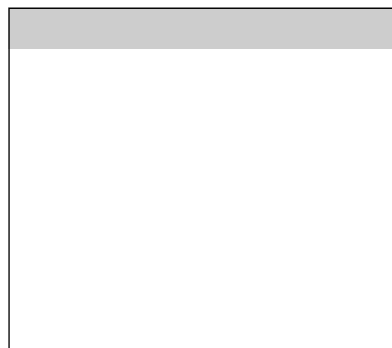
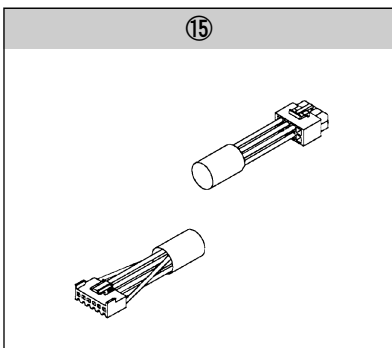
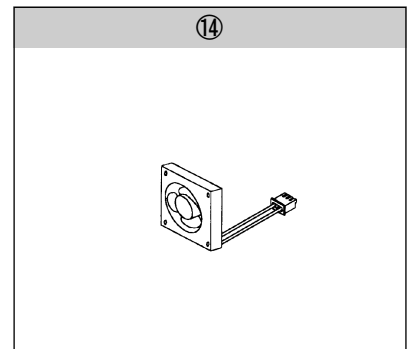
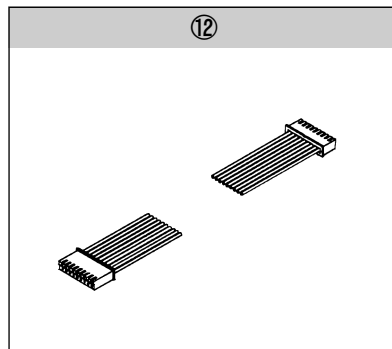
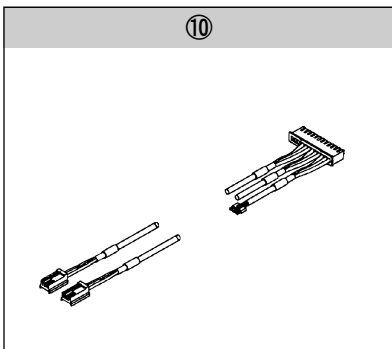
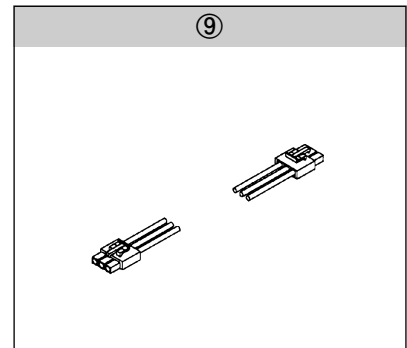
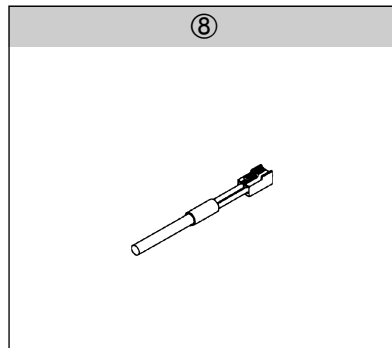
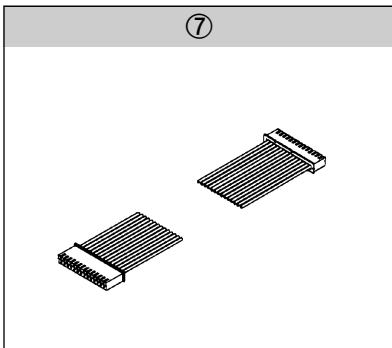
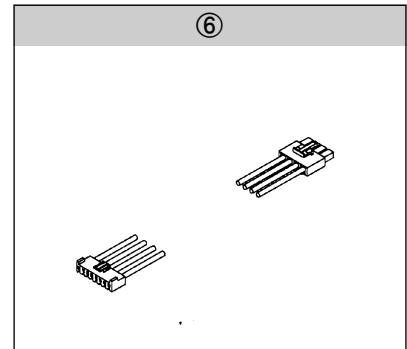
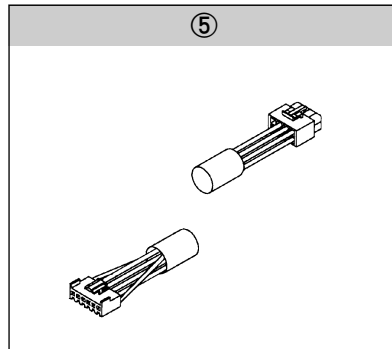
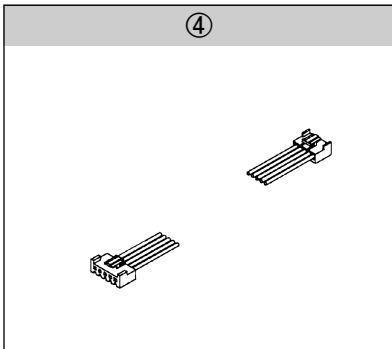
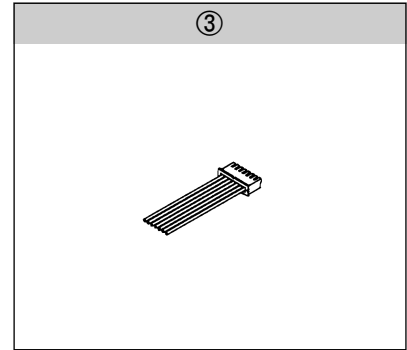
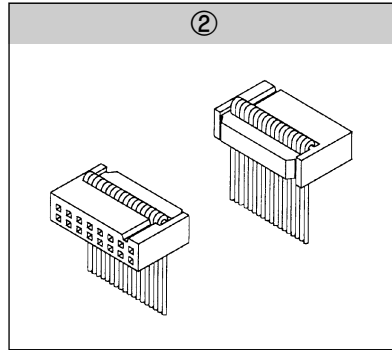
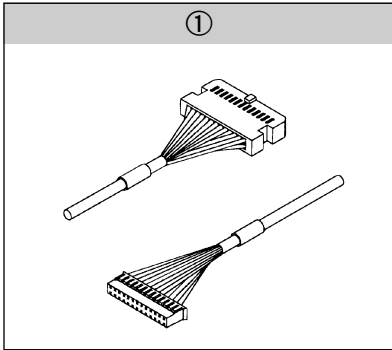
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## Pedal Mechanism 페달 관계

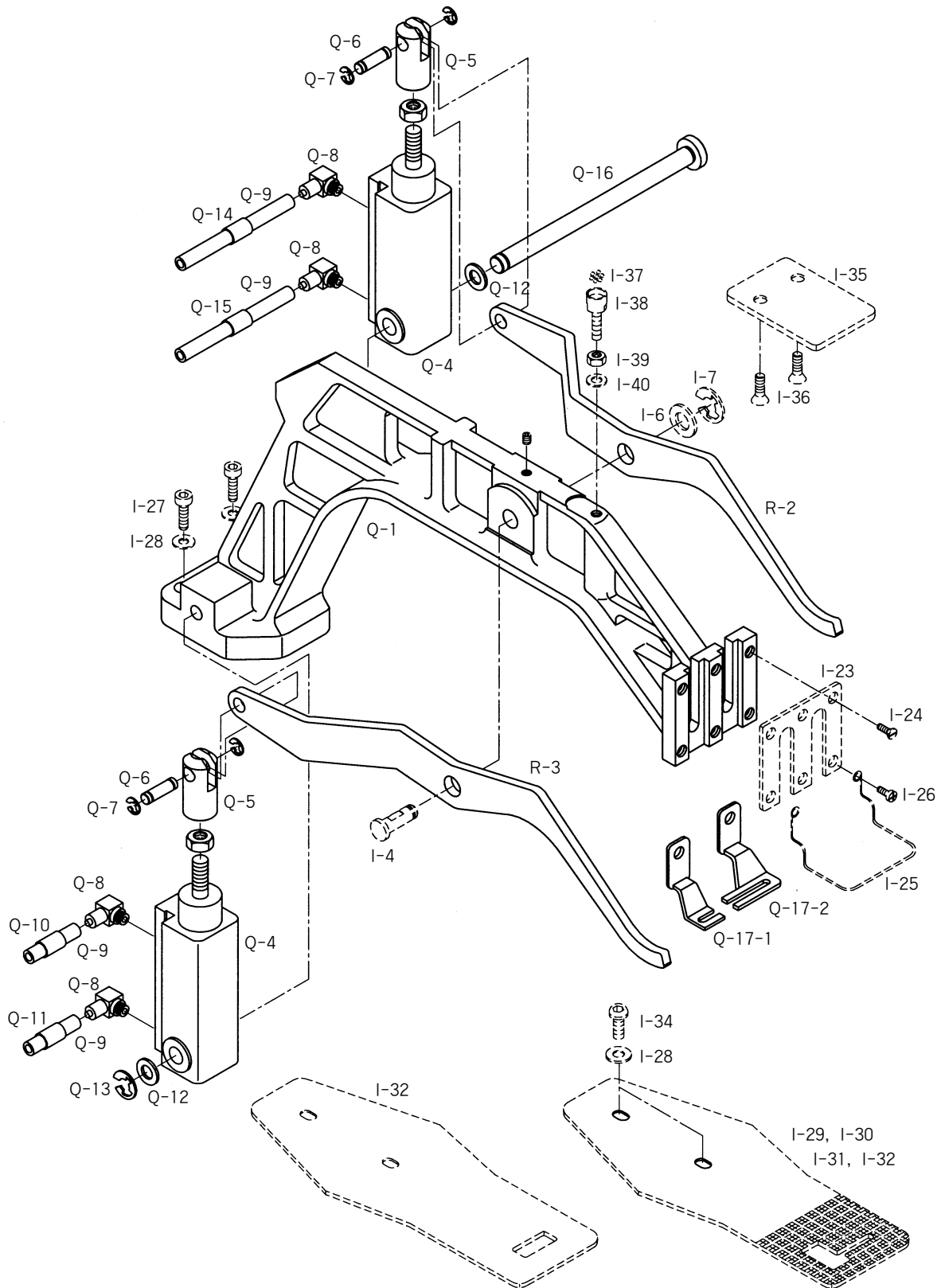


| Ref. No. | Parts No.    | Note | Name of Parts                    | 품명                           | Q'ty | Assembly No. |
|----------|--------------|------|----------------------------------|------------------------------|------|--------------|
| O-1      | 10-001A-PT11 |      | Cover                            | 커버                           | 1    |              |
| O-2      | 10-002A-PT11 |      | Base                             | 베이스                          | 1    |              |
| O-3      | 10-001B-PT11 |      | Stopper A                        | 스토퍼 A                        | 1    |              |
| O-4      | 10-002B-PT11 |      | Stopper B                        | 스토퍼 B                        | 1    |              |
| O-5      | 10-003B-PT11 |      | Stopper C                        | 스토퍼 C                        | 1    |              |
| O-6      | 10-004B-PT11 |      | Guide A                          | 가이드 A                        | 1    |              |
| O-7      | 10-005B-PT11 |      | Guide B                          | 가이드 B                        | 2    |              |
| O-8      | 10-006S-PT11 |      | Spring A                         | 스프링 A                        | 2    |              |
| O-9      | 10-007S-PT11 |      | Spring B                         | 스프링 B                        | 2    |              |
| O-10     | 10-006B-PT11 |      | Guide Base                       | 가이드 베이스                      | 1    |              |
| O-11     | 10-007B-PT11 |      | Guide Cover                      | 가이드 커버                       | 1    |              |
| O-12     | 10-008B-PT11 |      | Switch Cover                     | 스위치 커버                       | 1    |              |
| O-13     | 10-003A-PT11 |      | Shaft                            | 축                            | 1    |              |
| O-14     | 10-001S-SW68 |      | E-Ring                           | E-링 멈춤링(호칭경 5)               | 1    |              |
| O-15     | 10-004A-PT11 |      | MICRO SWITCH                     | 마이크로 스위치                     | 2    |              |
| O-16     | 10-001C-PT11 |      | GROMMET BUSH                     | GROMMET BUSH(동아, DASB-500-6) | 1    |              |
| O-17     | 10-028S-SC53 |      | Screw Guide Base(M3×P0.5 L=7)    | 가이드 베이스 조임 나사                | 4    |              |
| O-18     | 10-008M-PT11 |      | Screw MICRO SWITCH(M3×P0.5 L=38) | MICRO S/W 조임나사               | 2    |              |
| O-19     | 10-021M-SW66 |      | Screw Guide Cover(M3×P0.5 L=6)   | 가이드 커버 조임나사                  | 4    |              |
| O-20     | 10-008S-PT11 |      | Spring C                         | 스프링 C                        | 1    |              |
| O-21     | 11-002M-PT10 |      | Sponge(t5×B10)                   | 스폰지                          | 2    |              |
|          |              |      |                                  |                              |      |              |
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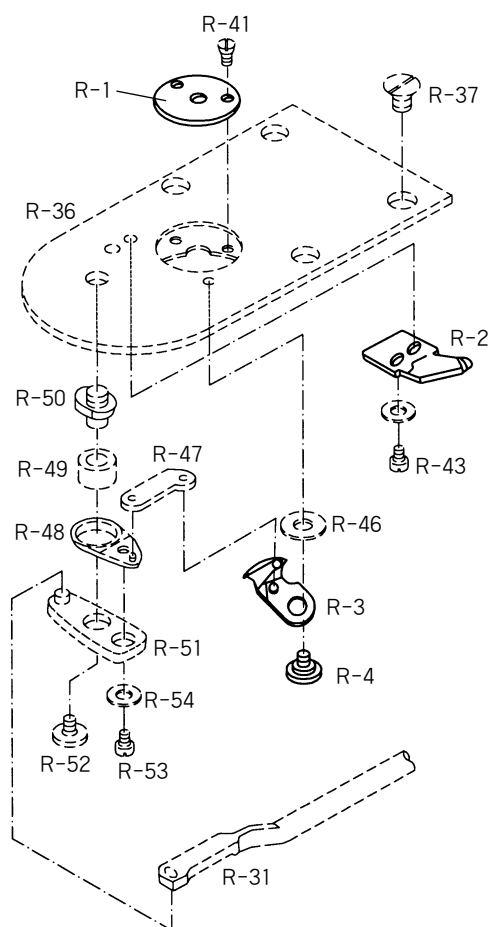


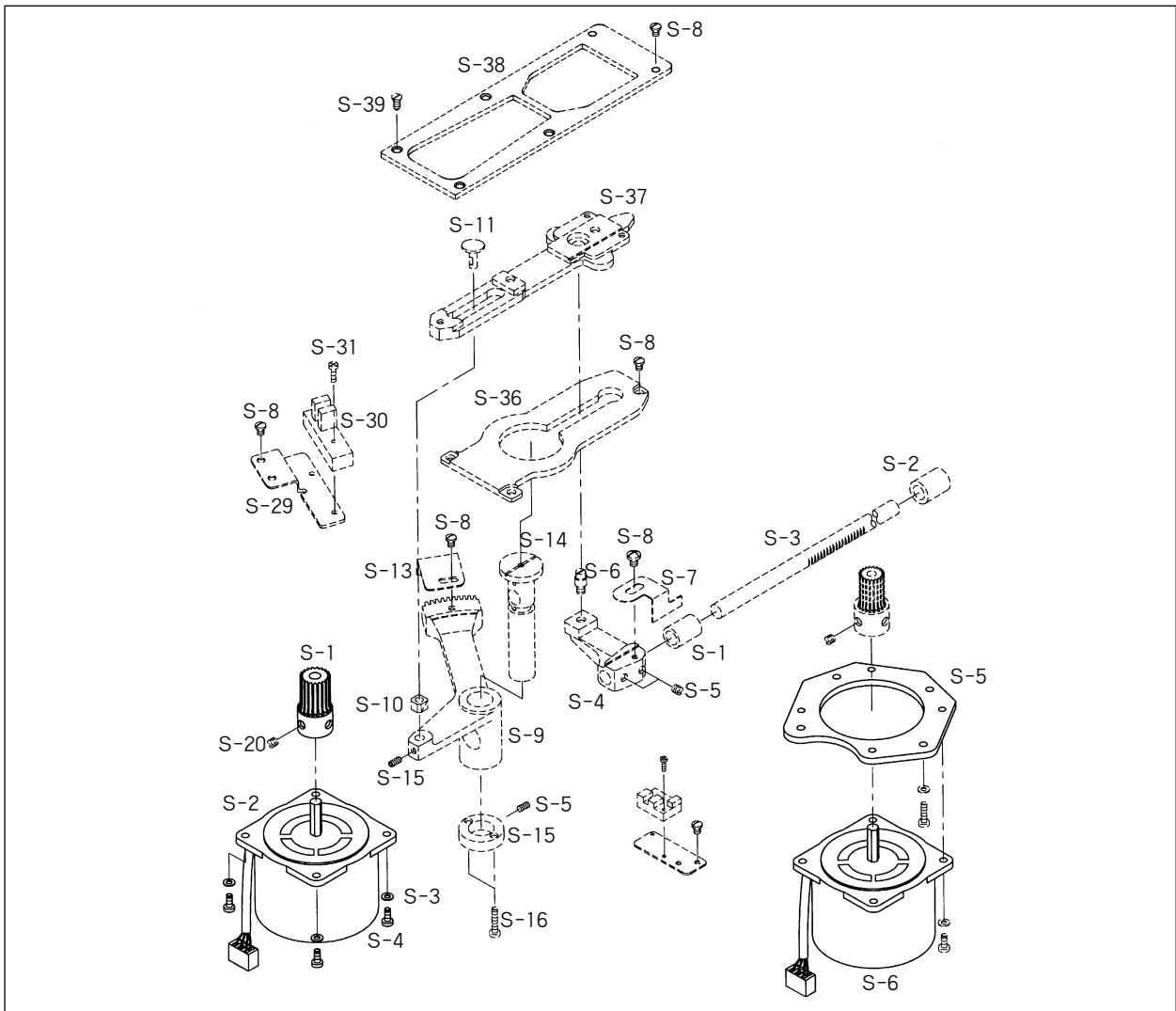


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## Thread Trimmer Mechanism

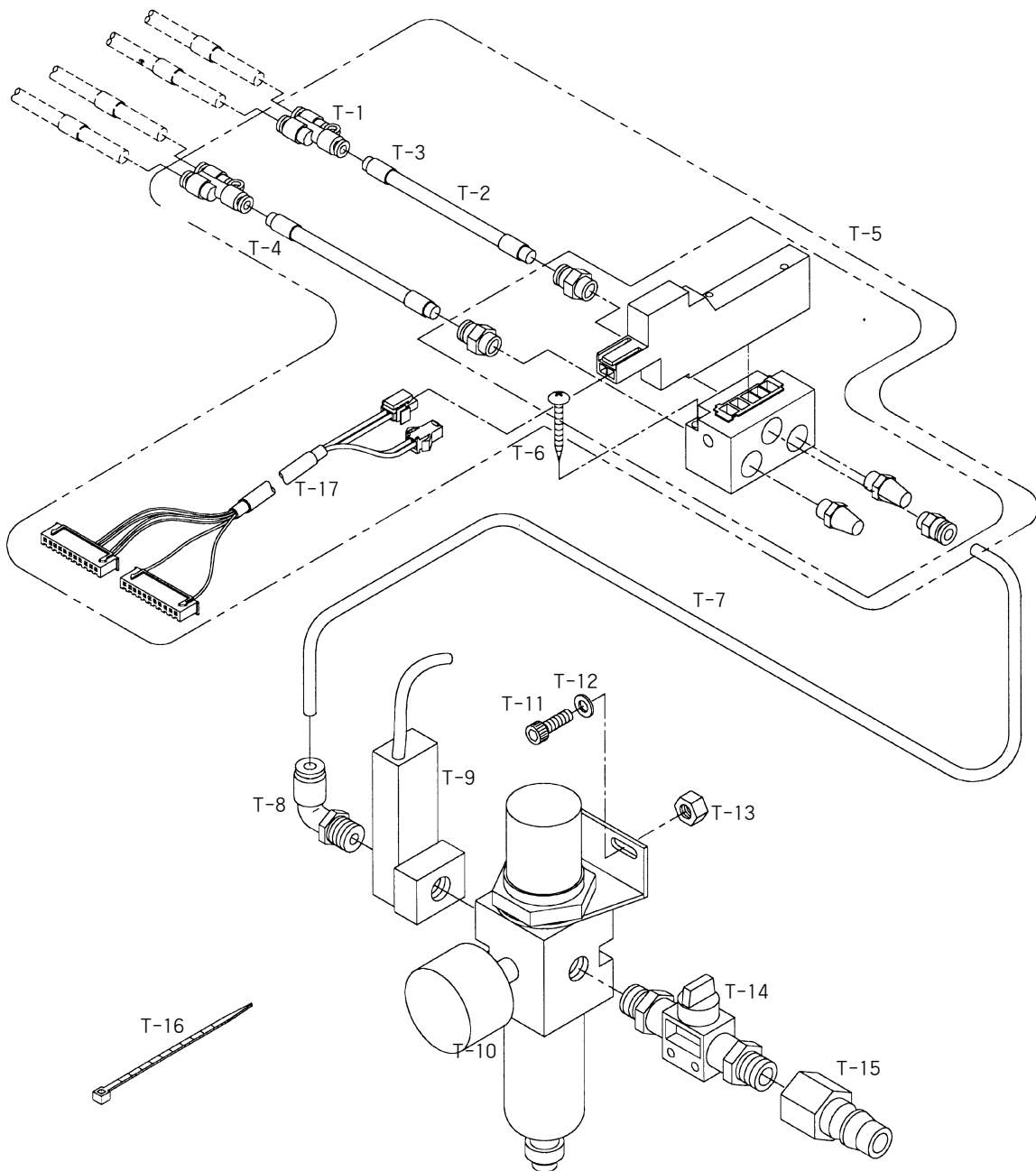
### 사절 관계

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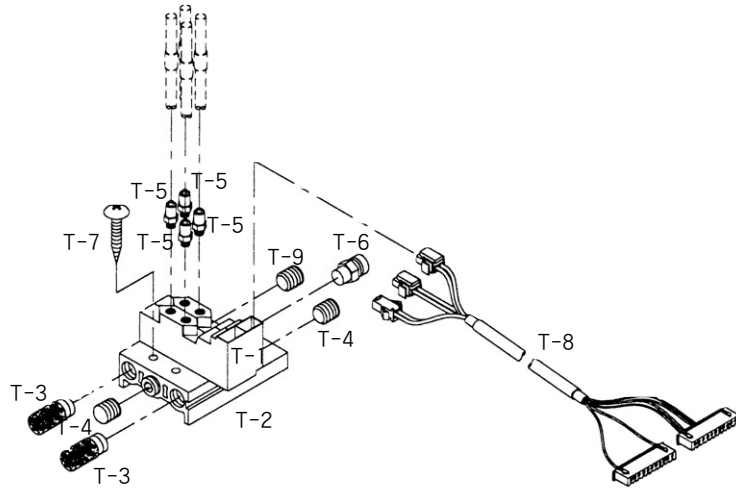
| Ref. No. | Parts No.     | Note | Name of Parts          | 품명         | Q'ty | Assembly No. |
|----------|---------------|------|------------------------|------------|------|--------------|
| S-1      | 20-052A-12HA  |      | X-Drive Gear           | X-이송 구동 기어 | 1    |              |
| S-2      | 20--051A-12HA |      | X-Driving Motor Asm.   | X-구동 모터(조) | 1    |              |
| S-3      | 02-001W-2302  |      | Washer                 | 와셔         | 4    |              |
| S-4      | 07-016S-4113  |      | Screw(M4×P0.7×L12)     | 캡나사        | 4    |              |
| S-5      | 20-054A-12HA  |      | Y-Motor Mounting Plate | Y-모터 부착판   | 1    |              |
| S-6      | 20-053A-12HA  |      | Y-Driving Motor Asm.   | Y-구동 모터(조) | 1    |              |
|          |               |      |                        |            |      |              |
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SPS/A-B1201-20

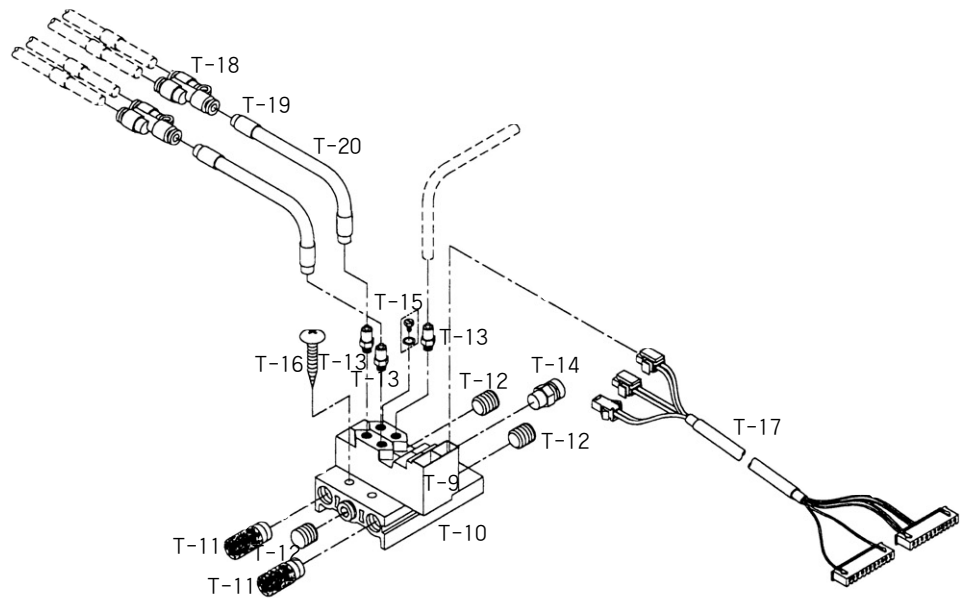


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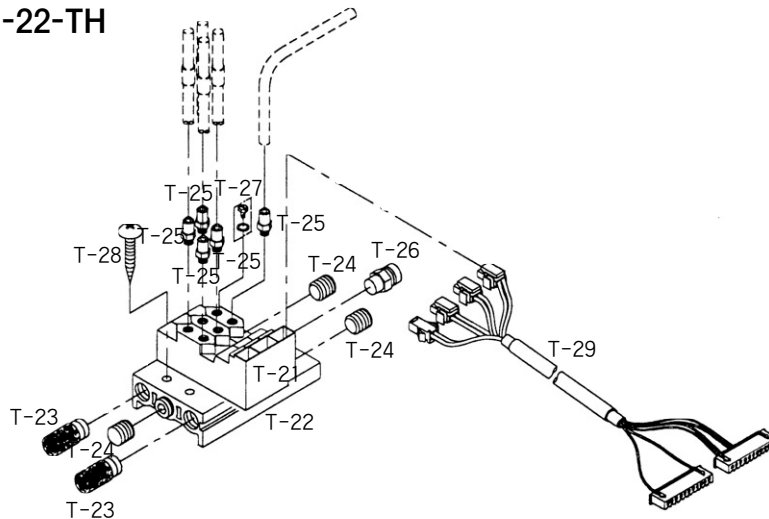
### SPS/A-B1201-22



### SPS/A-B1201-20-TH



### SPS/A-B1201-22-TH

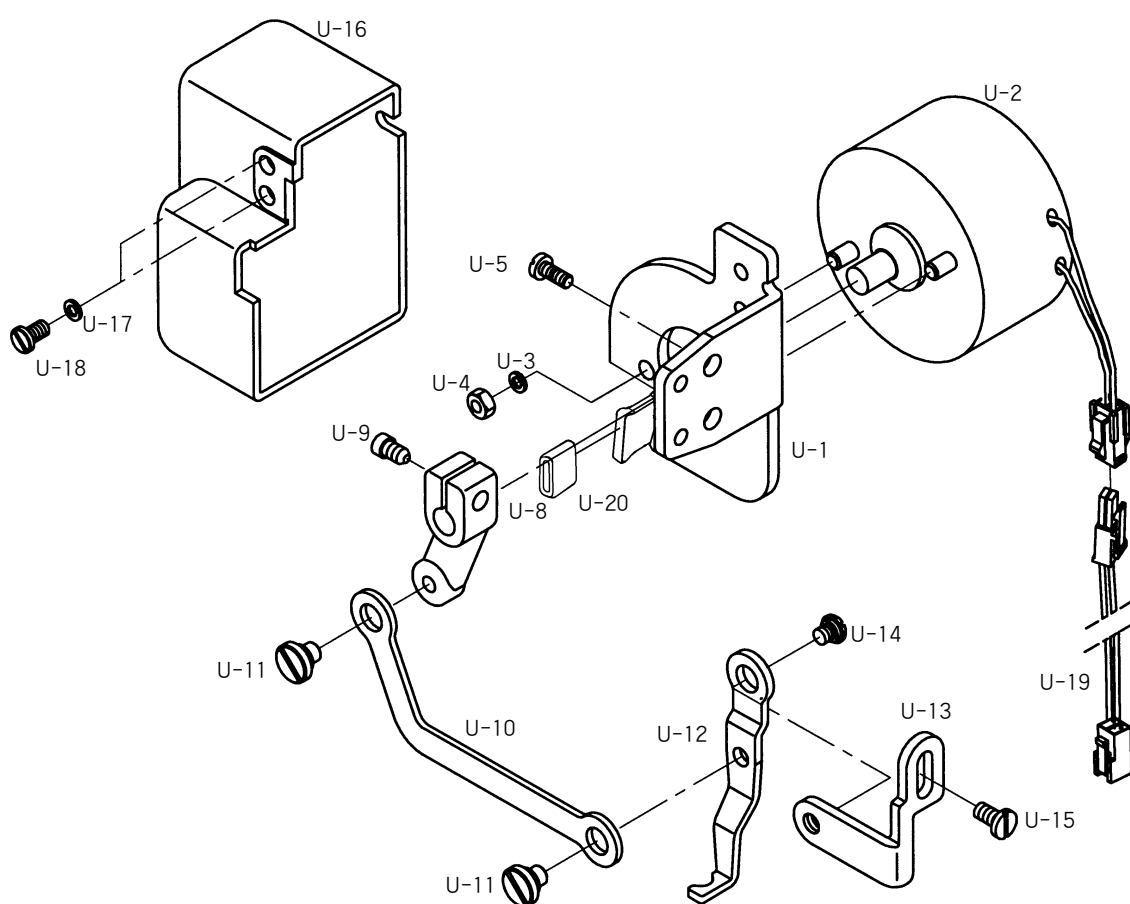


| Ref. No. | Parts No.    | Note     | Name of Parts       | 품명         | Q'ty | Assembly No. |
|----------|--------------|----------|---------------------|------------|------|--------------|
| T-1      | 22A046S-306H | HA-22    | Solenoid Valve      | 솔레노이드 밸브   | 2    |              |
| T-2      | 49A019S-811H |          | Manifold Block      | 매니폴더 블록    | 1    |              |
| T-3      | 49A020S-811H |          | Silencer            | 소음기        | 2    |              |
| T-4      | 49A021S-811H |          | Plug B              | 플러그 B      | 3    |              |
| T-5      | 49A015S-811H |          | Hose Nipple         | 호스니플       | 4    |              |
| T-6      | 49A014S-811H |          | Half Union          | 하프 유니온     | 1    |              |
| T-7      | 90S021S-306H | HA-20-TH | Screw (M3×L30)      | 고정나사       | 2    |              |
| T-8      | 49-016A-12HA |          | Pneumatic I/O Cable | 공압 입출력 케이블 | 1    |              |
| T-9      | 22A046S-306H |          | Solenoid Valve      | 솔레노이드 밸브   | 2    |              |
| T-10     | 49A019S-811H |          | Manifold Block      | 매니폴더 블록    | 1    |              |
| T-11     | 49A020S-811H |          | Silencer            | 소음기        | 2    |              |
| T-12     | 49A021S-811H |          | Plug B              | 플러그 B      | 3    |              |
| T-13     | 49A015S-811H |          | Hose Nipple         | 호스니플       | 3    |              |
| T-14     | 49-008A-106L |          | Half Union          | 하프 유니온     | 1    |              |
| T-15     | 09-004S-5030 |          | Plug Bolt           | 플러그 볼트     | 1    |              |
| T-16     | 90S021S-306H |          | Screw (M3×L30)      | 고정나사       | 2    |              |
| T-17     | 49-016A-12HA |          | Pneumatic I/O Cable | 공압 입출력 케이블 | 1    |              |
| T-18     | 49A016S-811H |          | Quick Coupling      | 퀵 커플링      | 2    |              |
| T-19     | 05A039S-811H |          | Air Hose            | 에어호스       | 2    |              |
| T-20     | 22A201S-811H |          | Air Hose Tube       | 에어호스 튜브    | 2    |              |
| T-21     | 22A046S-306H | HA-22-TH | Solenoid Valve      | 솔레노이드 밸브   | 3    |              |
| T-22     | 50A048S-811H |          | Manifold Block      | 매니폴더 블록    | 1    |              |
| T-23     | 49A020S-811H |          | Silencer            | 소음기        | 2    |              |
| T-24     | 49A021S-811H |          | Plug B              | 플러그 B      | 3    |              |
| T-25     | 49A015S-811H |          | Hose Nipple         | 호스니플       | 5    |              |
| T-26     | 49-008A-106L |          | Half Union          | 하프 유니온     | 1    |              |
| T-27     | 09-004S-5030 |          | Plug Bolt           | 플러그 볼트     | 1    |              |
| T-28     | 90S21S-306H  |          | Screw (M3×L30)      | 고정나사       | 2    |              |
| T-29     | 49-016A-12HA |          | Pneumatic I/O Cable | 공압 입출력 케이블 | 1    |              |

Note: HA-22→공압식 후물용 분리형 노루발

HA-20-TH→공압식 후물용 일체형 노루발 및 홀딩장치

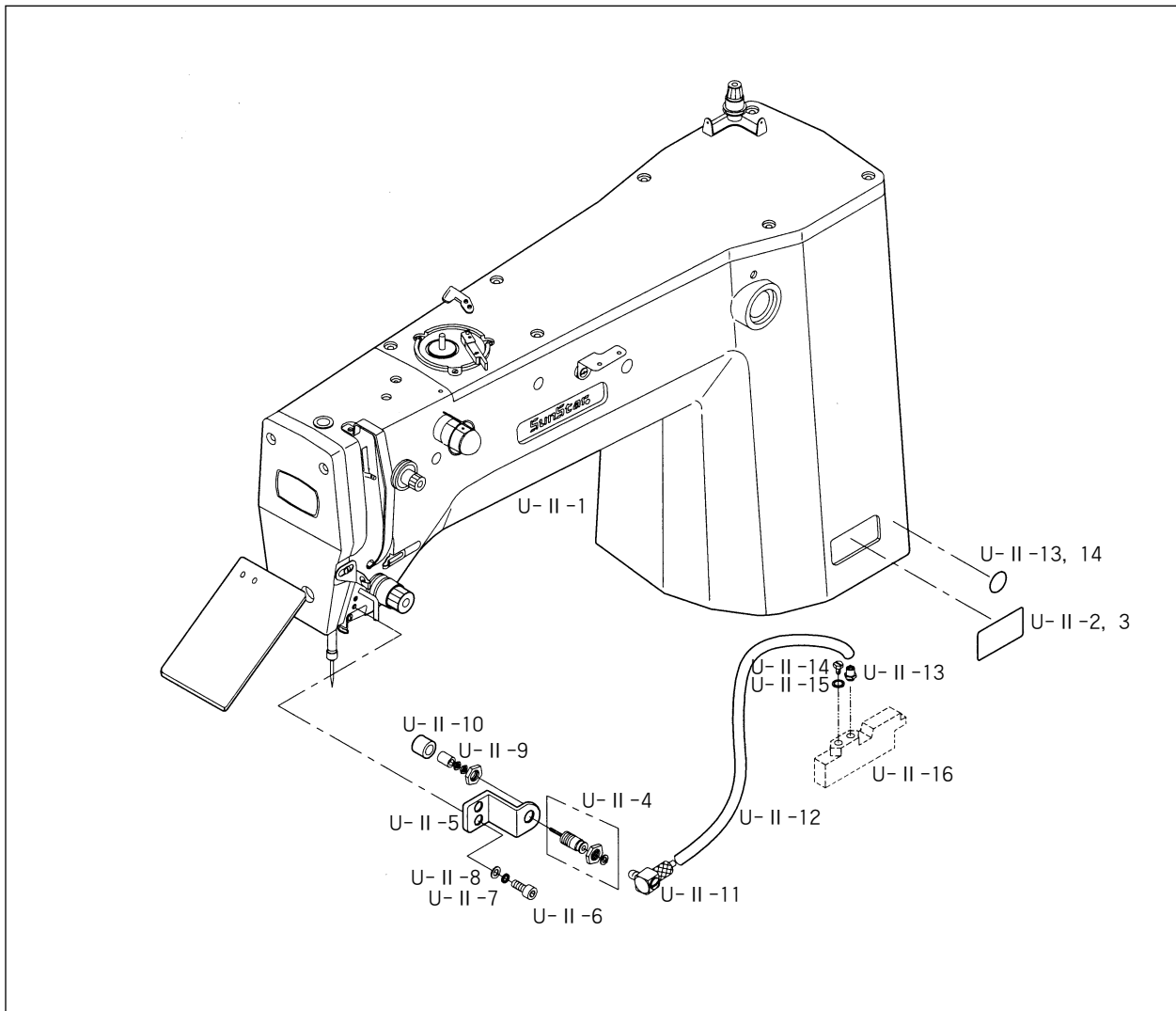
HA-22-TH→공압식 후물용 분리형 노루발 및 홀딩장치



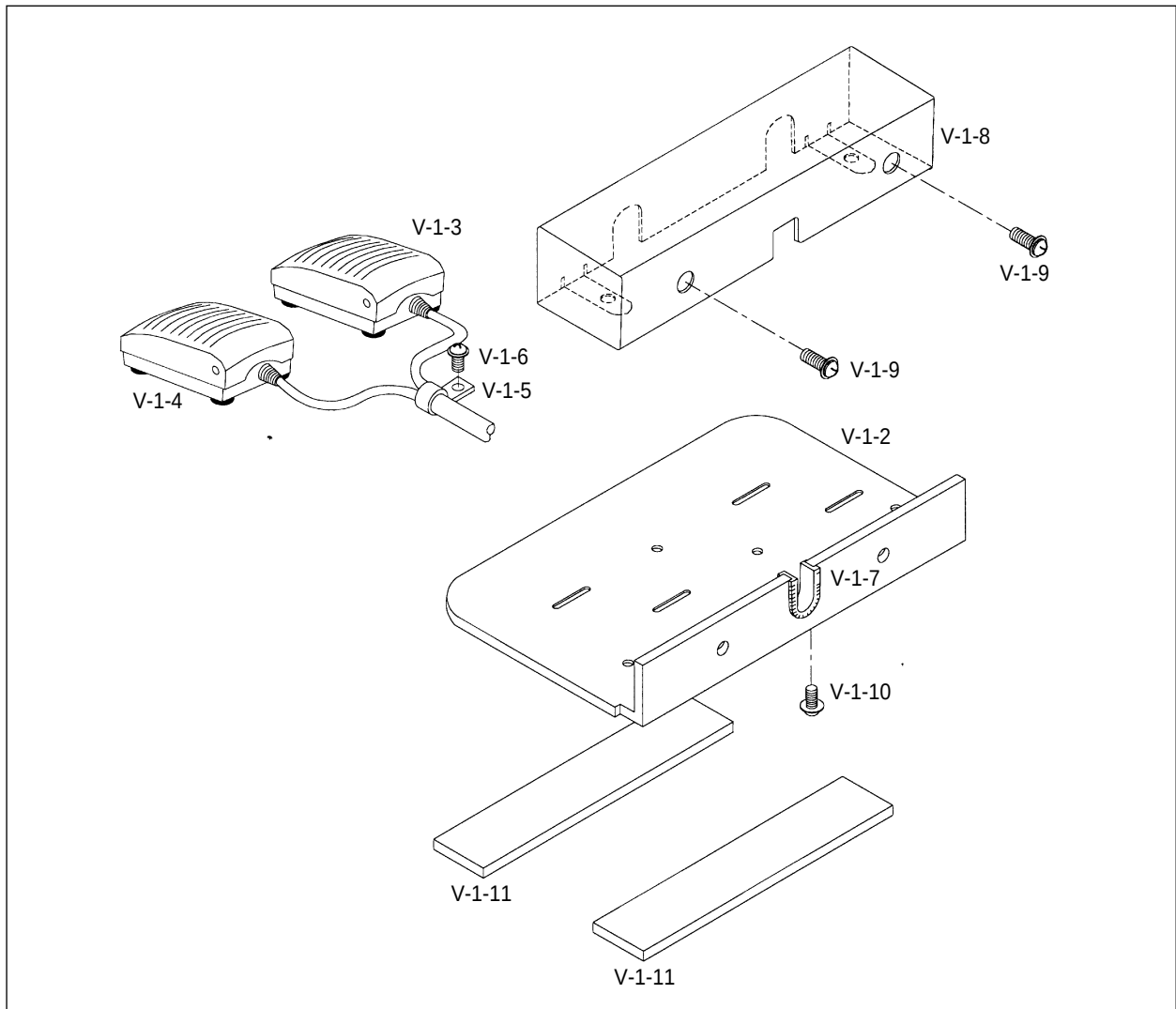




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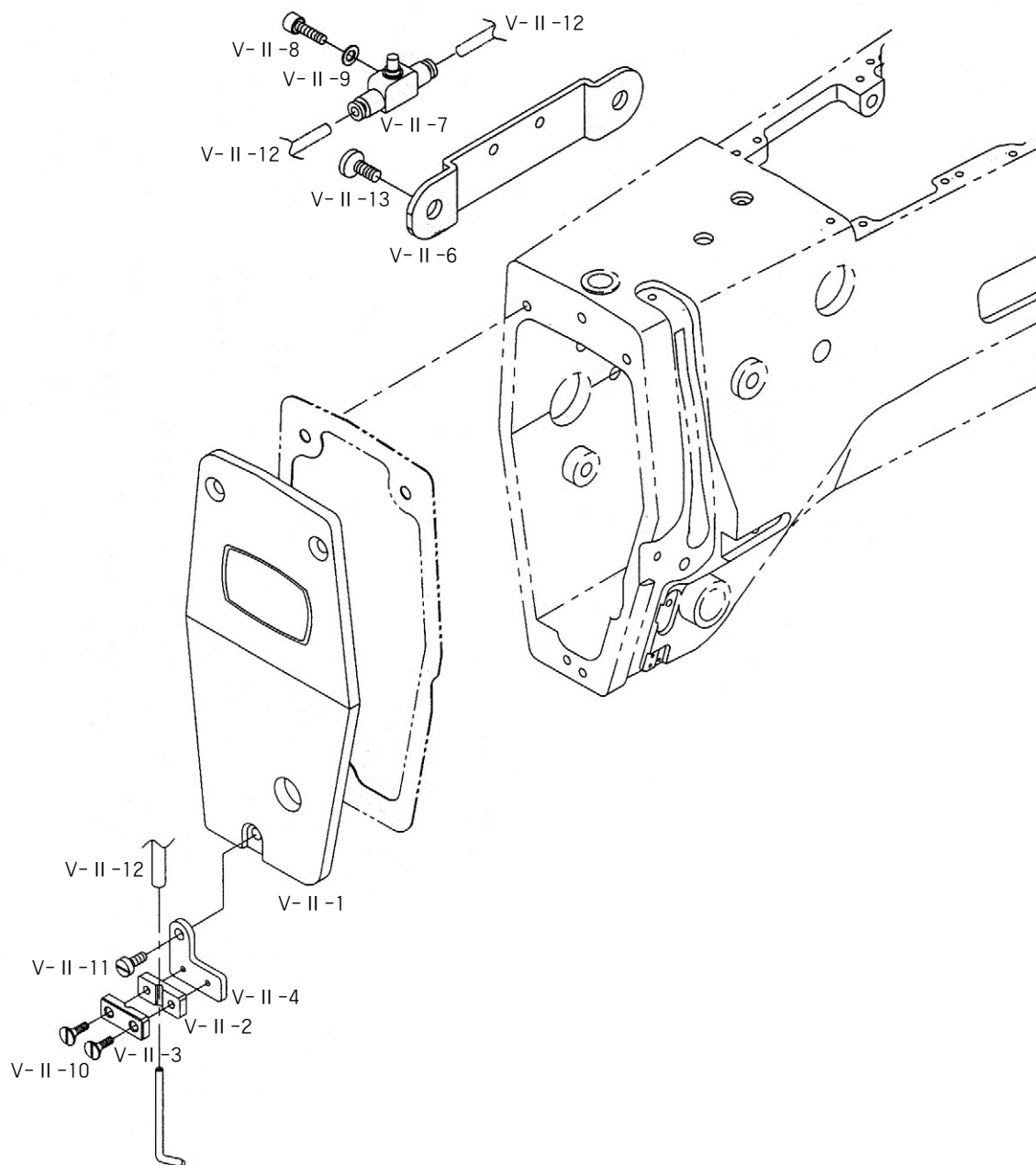


| Ref. No. | Parts No.    | Note | Name of Parts                                 | 품 명                        | Q' ty | Assembly No. |
|----------|--------------|------|-----------------------------------------------|----------------------------|-------|--------------|
| U-II-1   | 01-002A-12HA |      | Arm(Pneumatic Type)                           | 암(공압식)                     | 1     |              |
| U-II-2   | 01-054M-120D |      | Model Mark(Mono-Lithic Driven Presser Foot)   | 모델마크(공압식 일체형 노루발)          | 1     |              |
| U-II-3   | 01-056M-120D |      | Model Mark(Separately Driven Presser Foot)    | 모델마크(공압식 분리형 노루발)          | 1     |              |
| U-II-4   | 09-002A-5030 |      | Upper Thread Holding Pin Cylinder(Ass'y)      | 윗실잡이 핀 실린더(조)              | 1(조)  |              |
| U-II-5   | 62-001A-12HA |      | Upper Thread Holding Pin Cylinder Bracket     | 윗실잡이 핀 실린더 브라켓             | 1     |              |
| U-II-6   | 07016SC-4113 |      | Screw                                         | 윗실잡이 핀 실린더 브라켓 고정나사        | 2     |              |
| U-II-7   | 18014SW-3115 |      | Spring Washer                                 | 윗실잡이 핀 실린더 브라켓 고정나사 스프링 와셔 | 2     |              |
| U-II-8   | 18015CW-3111 |      | Washer                                        | 윗실잡이 핀 실린더 브라켓 고정나사 평와셔    | 2     |              |
| U-II-9   | 09-003C-5030 |      | Upper Thread Holding Pin Cylinder Knuckle     | 윗실잡이 핀 실린더 너클              | 1     |              |
| U-II-10  | 62-007G-12HA |      | Upper Thread Holding Pin Cylinder Knuckle Cap | 윗실잡이 핀 실린더 너클 캡            | 1     |              |
| U-II-11  | 49A003S-811H |      | Hose Elbow                                    | 호스 엘보우                     | 1     |              |
| U-II-12  | 49A001S-811H |      | Air Tube                                      | 에어 튜브                      | 1     |              |
| U-II-13  | 01-070M-12HA |      | Wiper Sub-Class Sticker (Electric)            | 와이퍼 서브-클래스 스티커(전자식)        | 1     |              |
| U-II-14  | 01-070M-12HA |      | Upper Thread Holding Dvice Sticker            | 윗실 홀딩장치 스티커                | 1     |              |
|          |              |      |                                               |                            |       |              |
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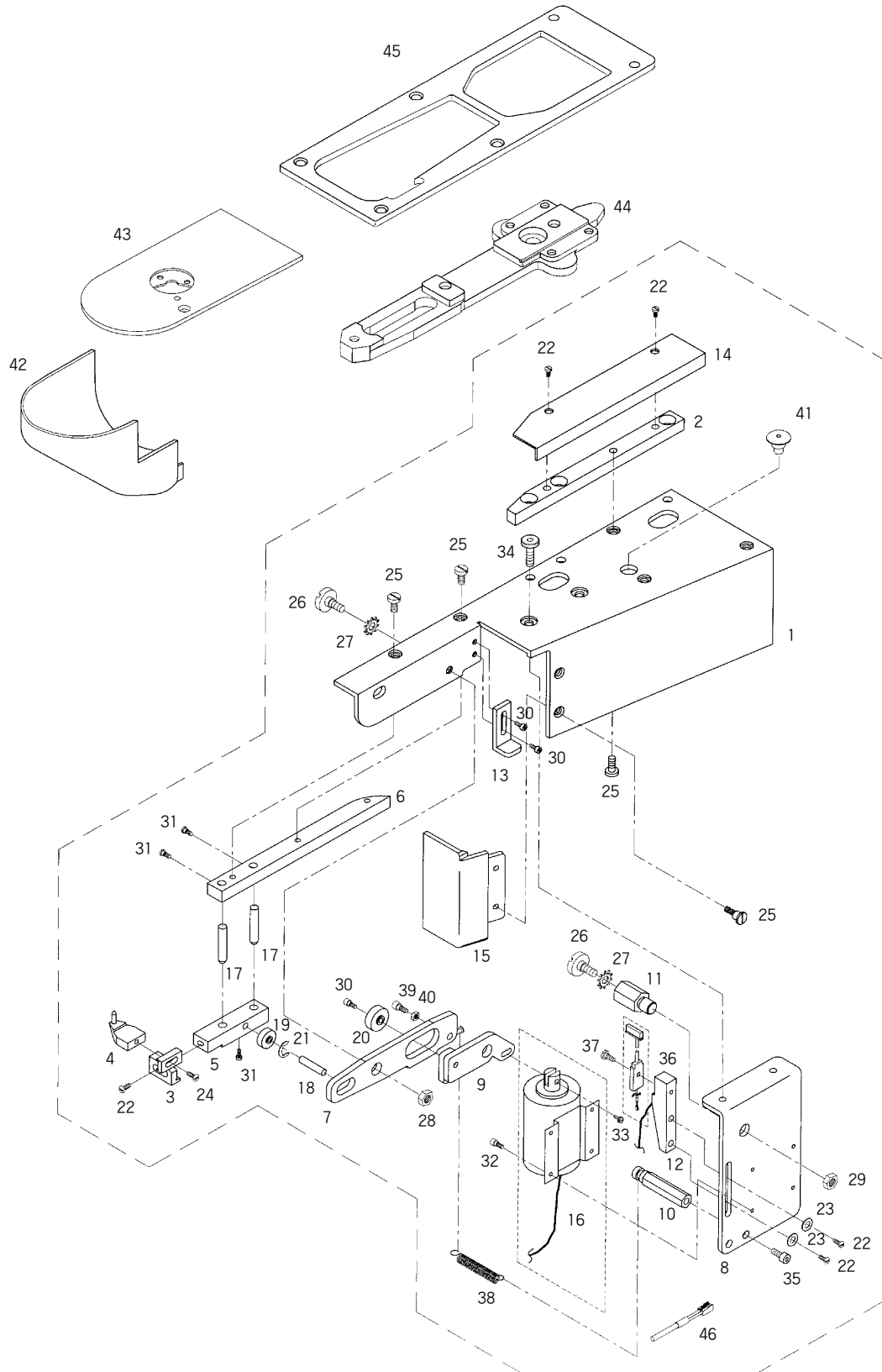


| Ref. No. | Parts No.    | Note | Name of Parts                                      | 품명                       | Q'ty | Assembly No. |
|----------|--------------|------|----------------------------------------------------|--------------------------|------|--------------|
| V-I-1    | 12-012A-PT11 |      | Foot Switch Ass'y                                  | 입식 (조)                   | 1Set |              |
| V-I-2    | 11-001A-PT10 |      | Base Foot Switch                                   | 입식 페달 베이스                | 1    |              |
| V-I-3    | 11-1000-PT11 |      | One Step Stroke                                    | 1단 발판 스위치                | 1    |              |
| V-I-4    | 11-2000-PT11 |      | Two Step Stroke                                    | 2단 발판 스위치                | 1    |              |
| V-I-5    | 08-015C-3701 |      | Clamp Cable                                        | 케이블 잡이                   | 2    |              |
| V-I-6    | 09-031S-3701 |      | Screw Clamping Cable Ass'y (M4×0.7 L=8)            | 케이블 잡이 조임나사(조)           | 1    |              |
| V-I-7    | 11-001S-PT10 |      | Ending Bushing                                     | 엔딩 부싱                    | 1    |              |
| V-I-8    | 11-003A-PT10 |      | Cover Foot Switch                                  | 입식 페달 베이스 커버             | 1    |              |
| V-I-9    | 07-004S-SM5S |      | Screw Ass'y for "A" Foot Switch Cover (M4×0.7 L=8) | 입식 페달 베이스 커버 조임나사(조) "A" | 2    |              |
| V-I-10   | 10-028S-SC53 |      | Screw Ass'y for "B" Foot Switch Cover (M3×0.5 L=8) | 입식 페달 베이스 커버 조임나사(조) "B" | 2    |              |
| V-I-11   | 11-002M-PT10 |      | Sponge                                             | 스폰지                      | 2    |              |
|          |              |      |                                                    |                          |      |              |
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Needle Cooler Device (Option)  
니들쿨러 장치 (옵션)



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| Ref. No. | Parts No.     | Note | Name of Parts           | 품 명          | Q' ty | Assembly No. |
|----------|---------------|------|-------------------------|--------------|-------|--------------|
| W-1      | A-B1201-HP    |      | Hole Pattern Attachment | 구멍 고정 장치 (조) | 1조    |              |
| W-2      | 85-001A-12HP  |      | Cover Guide             | 커버 가이드       | 1조    |              |
| W-3      | 85-002A-12HP  |      | Pin Plate A             | 핀 플레이트 A     | 1조    |              |
| W-4      | 85-003P-12HP  |      | Pin A                   | 핀 A          | 1조    |              |
| W-5      | 85-004A-12HP  |      | Pin Plate B             | 핀 플레이트 B     | 1조    |              |
| W-6      | 85-005A-12HP  |      | Pin Plate C             | 핀 플레이트 C     | 1조    |              |
| W-7      | 85-006A-12HP  |      | Pin Plate D             | 핀 플레이트 D     | 1조    |              |
| W-8      | 85-007C-12HP  |      | Link-Lever A            | 링크 레버 A      | 1조    |              |
| W-9      | 85-008C-12HP  |      | Link-Lever B            | 링크 레버 B      | 1조    |              |
| W-10     | 15-015S-3500  |      | Bolt A                  | 볼트 A         | 1조    |              |
| W-11     | 85-010S-12HP  |      | Bolt B                  | 볼트 B         | 1조    |              |
| W-12     | 85-011A-12HP  |      | Sensor Plate            | 센서 플레이트      | 1조    |              |
| W-13     | 85-012C-12HP  |      | Stoper                  | 스토퍼          | 1조    |              |
| W-14     | 85-013A-12HP  |      | Cover A                 | 커버 A         | 1조    |              |
| W-15     | 85-014A-12HP  |      | Cover B                 | 커버 B         | 1조    |              |
| W-16     | 10-044A-12HP  |      | Solenoid                | 솔레노이드        | 1조    |              |
| W-17     | 85-016P-12HP  |      | Pin B                   | 핀 B          | 2조    |              |
| W-18     | 85-017P-12HP  |      | Pin C                   | 핀 C          | 1조    |              |
| W-19     | 85-034A-12HP  |      | Bearing                 | 베어링          | 1조    |              |
| W-20     | 85-019C-12HP  |      | Bearing                 | 베어링          | 1조    |              |
| W-21     | 85-037C-12HP  |      | E Ring                  | E 링          | 1조    |              |
| W-22     | 85-020S-12HP  |      | Screw                   | 스크류          | 5조    |              |
| W-23     | 85-021W-12HP  |      | Washer                  | 와셔           | 2조    |              |
| W-24     | 85-033S-12HP  |      | Screw                   | 스크류          | 1조    |              |
| W-25     | SC-A119-4119  |      | Screw                   | 스크류          | 5조    |              |
| W-26     | 15-015S-3500  |      | Screw                   | 스크류          | 2조    |              |
| W-27     | 85-036HP-12HP |      | Wave Washer             | 와셔           | 2조    |              |
| W-28     | SN-0107-1230  |      | Nut                     | 너트           | 1조    |              |
| W-29     | 85-035S-12HP  |      | Nut                     | 너트           | 1조    |              |
| W-30     | 85-025S-12HP  |      | Screw                   | 스크류          | 3조    |              |
| W-31     | 85-026S-12HP  |      | Screw                   | 스크류          | 3조    |              |
| W-32     | 85-027S-12HP  |      | Screw                   | 스크류          | 4조    |              |
| W-33     | 85-028S-12HP  |      | Screw                   | 스크류          | 1조    |              |
| W-34     | 85-029S-12HP  |      | Screw                   | 스크류          | 2조    |              |
| W-35     | 85-030S-12HP  |      | Screw                   | 스크류          | 1조    |              |
| W-36     | 15-027A-2070  |      | Sensor                  | 누름판 센서       | 1조    |              |
| W-37     | 88-032S-12HP  |      | Screw                   | 스크류          | 1조    |              |
| W-38     | 85-038G-12HP  |      | Spring                  | 스프링          | 1조    |              |
| W-39     | 85-039S-12HP  |      | Screw                   | 스크류          | 1조    |              |
| W-40     | 85-040S-12HP  |      | Nut                     | 너트           | 1조    |              |
| W-41     | 85-018R-12HP  |      | Rubber Cap              | 고무마개         | 1     |              |
| W-42     | 07S147S-306H  |      | Hook Cover              | 훅커버 (조)-HP   | 1     |              |
| W-43     | 10-340A-120H  |      | Needle Plate            | 침판-HP        | 1     |              |
| W-44     | 20-048A-120H  |      | Cloth Feed Plate        | 하부 이송판 (공용)  | 1     |              |
| W-45     | 20-249A-120H  |      | Feed Guide Bracket      | 피이드 가이드 브라켓  | 1     |              |
| W-46     | 15-027A-12HP  |      | Sensor connecting Cable | 센서 입력 케이블    | 1     |              |
|          |               |      |                         |              |       |              |
|          |               |      |                         |              |       |              |
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## Option Parts 옵션 관계

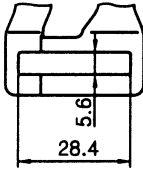
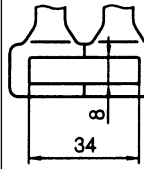
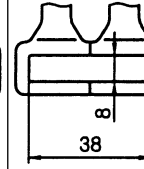
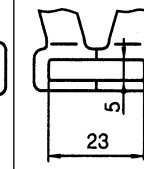
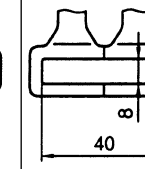
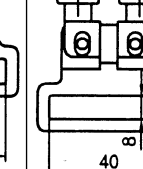
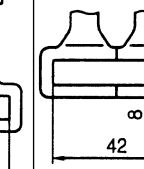
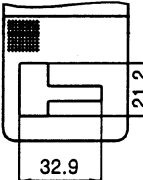
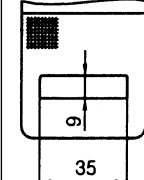
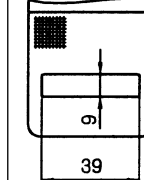
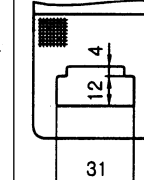
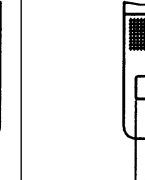
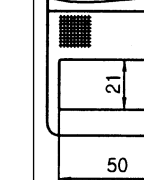
### ● 표준형 / Standard Type

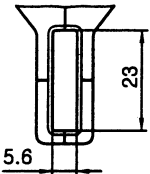
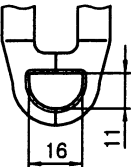
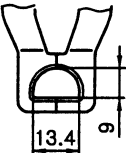
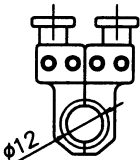
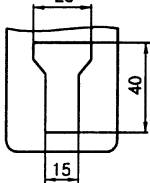
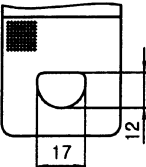
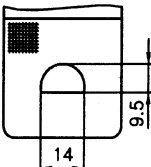
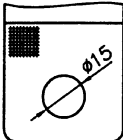
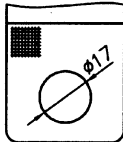
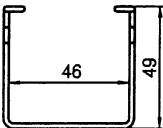
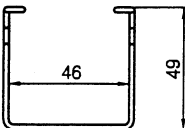
| Part Name<br>(품명)        | SPS/A(B)-B1201 <input type="checkbox"/> |              |              |
|--------------------------|-----------------------------------------|--------------|--------------|
|                          | HA(공압용)                                 | H(후물용)       | M(일반용)       |
| WORK CLAMP FOOT<br>(노루발) |                                         |              |              |
| Ass'y (조)                | 22-501A-120H                            | -            | -            |
| Left (좌)                 | U:22-601A-120H D:22-602A-120H           | 22-019A-120H | 22-021A-120M |
| Right (우)                | U:22-603A-120H D:22-604A-120H           | 22-020A-120H | 22-022A-120M |
| FEED PLATE<br>(이송판)      |                                         |              |              |
|                          | 22-143A-120H                            | 22-029A-120H | 22-146A-120H |
|                          |                                         |              | 22-030A-120M |

| Part Name<br>(품명)        | SPS/A(B)-B1201 <input type="checkbox"/> |                      |              |                            |                      |                      |
|--------------------------|-----------------------------------------|----------------------|--------------|----------------------------|----------------------|----------------------|
|                          | L(박물용)                                  |                      |              | K(니트용)                     |                      |                      |
| WORK CLAMP FOOT<br>(노루발) |                                         |                      |              | Without Knurling<br>       | Without Knurling<br> |                      |
| Left(좌)                  | 22-023A-120L                            |                      |              | 22-023A-120K               | 22-123A-120K         |                      |
| Right(우)                 | 22-024A-120L                            |                      |              | 22-024A-120K               | 22-124A-120K         |                      |
| FEED PLATE<br>(이송판)      |                                         | Without Knurling<br> | t=0.8<br>    | t=0.8 Without Knurling<br> |                      | Without Knurling<br> |
|                          | 22-033A-120L                            | 22-034A-120L         | 22-035A-120L | ·                          | 22-035A-120K         | 22-135A-120K         |



## ● 선택형 / Option Type

| Part Name             | Option(옵션)-1                                                                      | Option(옵션)-2                                                                      | Option(옵션)-3                                                                      | Option(옵션)-4                                                                      | Option(옵션)-5                                                                       | Option(옵션)-5-1                                                                      | Option(옵션)-6                                                                        |
|-----------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| WORK CLAMP FOOT (노루발) |  |  |  |  |  |  |  |
| Left(좌)               | 22-119A-120H                                                                      | 22-121A-120H                                                                      | 22-126A-120H                                                                      | 22-135A-120H                                                                      | 22-141A-120H                                                                       | 22-502A-120H<br>(Ass'y) (조)                                                         | 22-144A-120H                                                                        |
| Right(우)              | 22-120A-120H                                                                      | 22-122A-120H                                                                      | 22-127A-120H                                                                      | 22-136A-120H                                                                      | 22-142A-120H                                                                       |                                                                                     | 22-145A-120H                                                                        |
| FEED PLATE (이송판)      |  |  |  |  |  |  |                                                                                     |
|                       | 22-129A-120H                                                                      | 22-130A-120H                                                                      | 22-128A-120H                                                                      | 22-030A-120M                                                                      | 22-143A-120H                                                                       |                                                                                     | 22-147A-120H                                                                        |

| Part Name                | Option-Lengthwise<br>(세로 옵션 )                                                                           | Option-Halt Moon (반달 옵션)                                                            |                                                                                     | Option-Circle(원형 옵션)                                                                  |                                                                                       |                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| WORK CLAMP FOOT<br>(노루발) |                      |  |  |    |  |  |
| Left(좌)                  | 22-123A-120L                                                                                            | 22-131A-120H                                                                        | 22-231A-120H                                                                        | 22-138A-120H                                                                          | 22-238A-120H                                                                          | 22-539A-120H<br>(Ass' y) (조)                                                          |
| Right(우)                 | 22-124A-120L                                                                                            | 22-132A-120H                                                                        | 22-232A-120H                                                                        | 22-139A-120H                                                                          | 22-239A-120H                                                                          |                                                                                       |
| FEED PLATE<br>(이송판)      | Without Knurling<br> |  |  |    |  |                                                                                       |
|                          | 22-133A-120L                                                                                            | 22-134A-120H                                                                        | 22-234A-120H                                                                        | 22-140A-120H                                                                          | 22-240A-120H                                                                          |                                                                                       |
| FINGER GUARD<br>(핑거 가드)  |                      | —                                                                                   | —                                                                                   |  |                                                                                       |                                                                                       |
|                          | 22-125A-120H                                                                                            | —                                                                                   | —                                                                                   | 22-125A-120H                                                                          |                                                                                       |                                                                                       |

## 수정 리스트

### Changed Parts List

| No. | Ref. No. | Parts No.    | Name of Parts                 | Contents            | Date   | Old Parts No. | Remarks |
|-----|----------|--------------|-------------------------------|---------------------|--------|---------------|---------|
| 1   | C-26     | 07-128A-120H | Shuttle(H-Type)               | Substitution        | 02. 01 | 07-028A-120H  | 02. 1/4 |
| 2   | C-27     | 07-129A-120  | Shuttle(M-Type)               | Substitution        | 02. 01 | 07-029A-120M  | 02. 1/4 |
| 3   | I-29     | 22-129A-120H | Feed Plate                    | Substitution        | 02. 01 | 07-029A-120H  | 02. 1/4 |
| 4   | C-29     | 07S033S-306H | Screw For Shuttle Driver      | Substitution        | 02. 01 | SC-0211-7500  | 02. 1/4 |
| 5   | H-36     | 22-151A-12HA | X-Step Motor Cable            | Chang of Blue point | 02. 01 |               | 02. 1/4 |
| 6   | H-37     | 22-153A-12HA | Y-Step Motor Cable            | Chang of Blue point | 02. 01 |               | 02. 1/4 |
| 7   | G-1      | 12-0000-BT13 | Trimming Solenoid Ass'y       | Substitution        | 02. 01 | 10S001S-306H  | 02. 1/4 |
| 8   | F-1      | 11-101A-120H | Wiper Driving Lever           | Chang of Blue point | 02. 01 | 11-001A-120H  | 02. 1/4 |
| 9   | E-28     | 55-011S-5050 | Set Screw                     | Substitution        | 02. 01 | SC-0202-5050  | 02. 1/4 |
| 10  | D-2      | 01-0000-BT13 | Presser Plate Solenoid Ass'y  | Chang of Blue point | 02. 03 | 11-0000-BT10  | 02. 1/4 |
| 11  | B-46     | 25S105S-306H | Hand Pulley Shaft             | Chang of Blue point | 02. 03 | 25S005S-306H  | 02. 1/4 |
| 12  | B-51     | 02-026A-120D | Hand Pulley                   | Chang of Blue point | 02. 03 | 25S104S-306H  | 02. 1/4 |
| 13  | C-22     | 07-224A-120H | Bobbin                        | Substitution        | 02. 08 | 07-124A-120H  | 02. 3/4 |
| 14  | L-10     | 07-224A-120H | Bobbin                        | Substitution        | 02. 08 | 07-124A-120H  | 02. 3/4 |
| 15  | E-26     | 06-046W-7400 | Washer For Feed Bar Shaft     | Chang of Blue point | 02. 09 | 06-051W-7400  | 02. 3/4 |
| 16  | B-49     | 20S008S-306H | Spring Pin                    | Deleted parts       | 02. 09 |               | 02. 3/4 |
| 17  | I-25     | 22-125A-120H | Finger Guard                  | Chang of Blue point | 02. 09 | 22-025A-120H  | 02. 3/4 |
| 18  | B-4      | 02S003S-306H | Link Cam Washer               | Chang of Blue point | 02. 09 | 16-020W-9570  | 02. 3/4 |
| 19  | B-8      | 08S101P-306H | Thread Take Up Lever Complete | Substitution        | 02. 11 | 08S001P-306H  | 02. 3/4 |
| 20  | B-6      | 02-003S-2500 | Screw For Link Cam            | Substitution        | 03. 03 | SC-0535-3710  | 03. 1/4 |
| 21  | B-16     | 08S101S-306H | Thread Take Up Lever Ass'y    | Substitution        | 03. 03 | 08S001S-306H  | 03. 1/4 |
| 22  | A-17     | 01-027A-1230 | Thread Guide Ass'y            | Substitution        | 04. 01 |               | 04. 1/7 |
| 23  | A-17-1   | 01-015A-1230 | Thread Guide                  | Substitution        | 04. 01 |               | 04. 1/7 |
| 24  | A-17-2   | 01-027C-1230 | Nut                           | Substitution        | 04. 01 |               | 04. 1/7 |
| 25  | A-8      | 91-001M-120D | Caution Sticker               | Substitution        | 04. 01 |               | 04. 1/7 |

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## 수정 리스트 Changed Parts List

| No. | Ref. No. | Parts No.               | Name of Parts              | Contents     | Date   | Old Parts No.             | Remarks |
|-----|----------|-------------------------|----------------------------|--------------|--------|---------------------------|---------|
| 41  | A-20     | S C - 0 1 2 0 - 1 2 3 0 | Screw(9/64" n=40)          | Substitution | 04. 01 | S C - 0 5 2 9 - 1 2 3 0   | 04. 1/7 |
| 42  | A-22     | 0 1 - 0 7 5 C - 1 2 0 H | Arm Thread Guide           | Substitution | 04. 01 | 0 1 - 0 7 5 6 - 1 2 0 H   | 04. 1/7 |
| 43  | A-30     | S C - 0 1 0 4 - 5 6 0 7 | Screw(11/64" n=40)         | Substitution | 04. 01 | S C - 0 1 6 4 - 2 7 0 0   | 04. 1/7 |
| 44  | A-35     | 4 4 - 0 2 1 R - 7 4 0 0 | Rubber Cap(S)              | Substitution | 04. 01 | 0 1 - 0 0 7 R - 8 0 3 0   | 04. 1/7 |
| 45  | A-41     | 0 1 - 0 0 9 R - 5 3 0 0 | Cable Holder               | Substitution | 04. 01 | 0 1 - 0 0 9 R - 2 7 0 0   | 04. 1/7 |
| 46  | A-44     | 4 1 S 0 0 1 A - 3 0 6 H | Bobbin Winder Base Ass'y   | Substitution | 04. 01 |                           | 04. 1/7 |
| 47  | A-47     | S C - 0 1 0 5 - 7 5 0 0 | Screw(M4)                  | Substitution | 04. 01 |                           | 04. 1/7 |
| 48  | A-49     | S C - 0 1 0 4 - 5 6 0 7 | Screw(11/64" n=40)         | Substitution | 04. 01 | S C - 0 1 0 5 - 7 5 0 0   | 04. 1/7 |
| 49  | A-55     | 0 2 - 0 1 1 W - 2 3 0 2 | Washer                     | Substitution | 04. 01 | 0 6 0 1 1 W W - 3 0 6 H   | 04. 1/7 |
| 50  | A-72     | 4 0 - 2 0 4 A - 1 2 3 0 | Thread Tension Disk        | Substitution | 04. 01 | 4 0 - 1 0 8 A - 1 3 0 6   | 04. 1/7 |
| 51  | A-75     | 4 0 - 0 2 4 A - 1 2 3 0 | Spring Cover               | Substitution | 04. 01 |                           | 04. 1/7 |
| 52  | A-78     | 0 1 - 0 4 2 R - 6 4 0 L | Rubber Cap(L)              | Substitution | 04. 01 |                           | 04. 1/7 |
| 53  | B-1      | 0 2 - 0 0 1 A - 1 2 5 4 | Upper Shaft                | Substitution | 04. 01 | 0 2 - 0 0 1 A - 1 2 0 D   | 04. 1/7 |
| 54  | B-4      | 0 2 S 0 0 3 S - 3 0 6 H | Link Cam Washer            | Substitution | 04. 01 | 0 2 S 0 0 3 5 - 3 0 6 H   | 04. 1/7 |
| 55  | B-9      | 0 8 S 5 0 1 P - 3 0 6 H | Thread Take-Up Lever(H)    | Substitution | 04. 01 | 0 8 S 0 0 2 P - 3 0 6 H   | 04. 1/7 |
| 56  | B-10     | 0 8 S 5 0 2 P - 3 0 6 H | Needle Bar Crank(H)        | Substitution | 04. 01 | 0 8 S 0 0 3 P - 3 0 6 H   | 04. 1/7 |
| 57  | B-11     | 0 8 S 5 0 3 P - 3 0 6 H | Threda Take-Up Lever Crank | Substitution | 04. 01 | 0 8 S S 0 0 4 P - 3 0 6 H | 04. 1/7 |
| 58  | B-12     | 0 8 - 5 1 1 A - 1 2 3 A | Needle Bearing             | Substitution | 04. 01 | 0 8 S 0 0 5 S - 3 0 6 H   | 04. 1/7 |
| 59  | B-13     | 0 8 - 5 1 1 A - 1 2 3 A | Needle Bearing             | Substitution | 04. 01 | 0 8 S 0 0 6 S - 3 0 6 H   | 04. 1/7 |
| 60  | B-14     | 0 8 S 5 0 4 P - 3 0 6 H | Needle Bar Crank Rod       | Substitution | 04. 01 | 0 8 S 0 0 7 S - 3 0 6 H   | 04. 1/7 |

NOTE )

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## 수정 리스트 Changed Parts List

| No. | Ref. No. | Parts No.     | Name of Parts                  | Contents     | Date   | Old Parts No. | Remarks |
|-----|----------|---------------|--------------------------------|--------------|--------|---------------|---------|
| 61  | B-15     | 08-507S-123A  | Screw                          | Substitution | 04. 01 | 08S008S-306H  | 04. 1/7 |
| 62  | B-17     | 08S501S-306H  | Thread Take-Up Lever(L)        | Substitution | 04. 01 | 08S002S-306H  | 04. 1/7 |
| 63  | B-19     | 08S502S-306H  | Screw(15/64" n=28)             | Substitution | 04. 01 | SC-0317-2700  | 04. 1/7 |
| 64  | B-20     | 08S505P-306H  | Needle Bar Holder              | Substitution | 04. 01 | 08S010S-306H  | 04. 1/7 |
| 65  | B-21     | 08-508S-123A  | Screw                          | Substitution | 04. 01 | 08S011S-306H  | 04. 1/7 |
| 66  | B-22     | 08S506S-306H  | Thread Take-Up Pin             | Substitution | 04. 01 | 08S012S-306H  | 04. 1/7 |
| 67  | B-31     | SC-A131-4522  | Screw                          | Substitution | 04. 01 | 10-017S-8577  | 04. 1/7 |
| 68  | B-37     | 10-017S-8577  | Screw                          | Substitution | 04. 01 | SC-0499-1230  | 04. 1/7 |
| 69  | B45      | SC-0114-1230  | Screw                          | Substitution | 04. 01 | SC-0317-2700  | 04. 1/7 |
| 70  | B-57     | 02-119A-120D  | Main Motor                     | Substitution | 04. 01 | 02019A-120D   | 04. 1/7 |
| 71  | C-5      | SC-0164-2700  | Screw(11/64" n=40)             | Substitution | 04. 01 | SC-0164-2700  | 04. 1/7 |
| 72  | C-5-1    | SC-0512-1230  | Screw                          | Substitution | 04. 01 |               | 04. 1/7 |
| 73  | C-17     | 07S019S-306H  | Oscillator                     | Substitution | 04. 01 |               | 04. 1/7 |
| 74  | C-28     | 07-030A-120H  | Shuttle Driver                 | Substitution | 04. 01 | 07-130A-120H  | 04. 1/7 |
| 75  | C-36     | 07S040S-306G  | Shuttle Upper Spring           | Substitution | 04. 01 |               | 04. 1/7 |
| 76  | C-40     | 07S042S-306H  | Inner Hool Presser Shaft Ass'y | Substitution | 04. 01 |               | 04. 1/7 |
| 77  | C-47     | SC-0543-2302  | Screw(11/64" n=40)             | Substitution | 04. 01 |               | 04. 1/7 |
| 78  | D-5      | 01-017W-1600  | Washer                         | Substitution | 04. 01 |               | 04. 1/7 |
| 79  | D-17     | 21-010P-120H  | Snap Pin( $\phi$ 5)            | Substitution | 04. 01 |               | 04. 1/7 |
| 80  | D-18     | 21-118G-1201H | Presser Plate Return Spring    | Substitution | 04. 01 |               | 04. 1/7 |

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## 수정 리스트 Changed Parts List

| No. | Ref. No. | Parts No.               | Name of Parts                     | Contents     | Date   | Old Parts No.           | Remarks |
|-----|----------|-------------------------|-----------------------------------|--------------|--------|-------------------------|---------|
| 81  | D-21     | S C - 0 1 5 8 - 3 7 1 0 | Screw(M3)                         | Substitution | 04. 01 | S C - 0 5 3 1 - 4 1 2 5 | 04. 1/7 |
| 82  | D-27     | S C - 0 1 7 4 - 1 2 3 0 | Screw                             | Substitution | 04. 01 |                         | 04. 1/7 |
| 83  | E-14     | S C - 0 1 0 8 - 2 3 5 0 | Screw(M6)                         | Substitution | 04. 01 | 1 0 S 0 0 6 S - 3 0 6 H | 04. 1/7 |
| 84  | E-18     | 4 0 - 7 0 4 C - 1 2 3 0 | Second Thread Adjusting Nut       | Substitution | 04. 01 | 4 0 - 7 0 4 S - 1 2 3 0 | 04. 1/7 |
| 85  | E-24     | S N - 0 1 1 1 - 1 6 0 0 | Nut(3/16" n=28)                   | Substitution | 04. 01 | S N - 0 1 1 5 - 7 4 0 0 | 04. 1/7 |
| 86  | E-33     | 1 0 - 0 2 0 W - 2 7 0 0 | Washer                            | Substitution | 04. 01 | 0 1 S 1 1 0 S - 3 0 6 H | 04. 1/7 |
| 87  | E-40     | 4 0 - 0 4 0 A - 1 2 0 M | Thread Tension Adjusting Ass'y(M) | Substitution | 04. 01 | 4 0 S 0 0 1 S - 3 0 6 G | 04. 1/7 |
| 88  | F-3      | S C - 0 1 6 4 - 2 7 0 0 | Screw(11/64" n=28)                | Substitution | 04. 01 | S C - 0 1 0 4 - 5 6 0 7 | 04. 1/7 |
| 89  | F-4      | 1 1 - 0 0 4 A - 1 2 0 D | Wiper Rod A                       | Substitution | 04. 01 |                         | 04. 1/7 |
| 90  | F-5      | 1 1 - 2 0 5 A - 1 2 0 H | Wiper Rod Shaft                   | Substitution | 04. 01 | 1 1 - 0 0 5 A - 1 2 0 H | 04. 1/7 |
| 91  | F-8      | S N - 0 1 0 1 - 1 6 0 0 | Nut(11/64" n=40)                  | Substitution | 04. 01 | S N - 0 1 0 1 - 7 4 0 0 | 04. 1/7 |
| 92  | F-20     | 1 1 - 0 1 2 P - 1 2 0 H | Wiper Connecting Arm Shaft        | Substitution | 04. 01 |                         | 04. 1/7 |
| 93  | G-1      | 1 2 - 0 0 0 0 - B T 1 3 | Thread Trimming Sol. Ass'y        | Substitution | 04. 01 | 1 0 S 0 0 1 S - 3 0 6 H | 04. 1/7 |
| 94  | G-4      | S N - 0 1 0 1 - 1 6 0 0 | Nut(11/64" n=40)                  | Substitution | 04. 01 | S N - 0 1 0 1 - 7 4 0 0 | 04. 1/7 |
| 95  | G-14     | S C - 0 1 6 4 - 2 7 0 0 | Screw(M5)                         | Substitution | 04. 01 |                         | 04. 1/7 |
| 96  | G-26     | 0 8 0 6 9 S N - 9 3 1 1 | Nut(M5)                           | Substitution | 04. 01 | 1 0 - 0 1 0 W - 7 5 0 7 | 04. 1/7 |
| 97  | G-28     | 0 6 - 0 3 6 W - 3 8 0 0 | Washer                            | Substitution | 04. 01 | 1 0 - 0 1 0 W - 7 5 0 7 | 04. 1/7 |
| 98  | G-38     | 1 0 - 0 4 1 A - 1 2 0 H | Needle Plate Cover(H)             | Substitution | 04. 01 | 1 0 - 1 4 1 A - 1 2 0 H | 04. 1/7 |
| 99  | G-39     | 1 0 - 0 4 3 A - 1 2 0 M | Needle Plate Cover(M)             | Substitution | 04. 01 | 1 0 - 1 4 2 A - 1 2 0 M | 04. 1/7 |
| 100 | G-54     | 1 0 - 0 2 0 W - 2 7 0 0 | Washer                            | Substitution | 04. 01 | 2 0 S 0 7 5 S - 3 0 6 H | 04. 1/7 |

NOTE )

## 수정 리스트 Changed Parts List

| No. | Ref. No. | Parts No.     | Name of Parts                  | Contents     | Date   | Old Parts No.             | Remarks |
|-----|----------|---------------|--------------------------------|--------------|--------|---------------------------|---------|
| 101 | H-22     | 020-15SC-4113 | Screw(M4, L=12)                | Substitution | 04. 01 | 0 8 0 7 6 S C - 4 1 1 3   | 04. 1/7 |
| 102 | H-30     | 20S076S-306H  | X-Sensor                       | Substitution | 04. 01 | 2 0 S 0 2 9 S - 3 0 6 H   | 04. 1/7 |
| 103 | H-33     | 02S029S-306H  | Y-Sensor                       | Substitution | 04. 01 | 2 0 S 0 7 6 S - 3 0 6 H   | 04. 1/7 |
| 104 | I-12     | 43-010S-2500  | Hinge Screw For I-11           | Substitution | 04. 01 | S C - 0 3 8 8 - 4 1 2 7   | 04. 1/7 |
| 105 | I-29     | 22-329A-120H  | Feed Plate(H)                  | Substitution | 04. 01 | 2 2 - 1 2 9 A - 1 2 0 H   | 04. 1/7 |
| 106 | J-14     | SC-0543-2302  | Screw(11/64" n=40)             | Substitution | 04. 01 | S C - 0 5 4 1 - 2 3 0 2   | 04. 1/7 |
| 107 | J-22     | 44S005S-306H  | Cable Holder                   | Substitution | 04. 01 | 4 4 S - 0 0 5 S - 3 0 6 H | 04. 1/7 |
| 108 | J-25     | 06-033M-7400  | Shuttle Lubrication Felt(S)    | Substitution | 04. 01 | 4 4 - 0 2 8 N - 8 6 7 0   | 04. 1/7 |
| 109 | K-11     | SC-0164-2700  | Screw(M5×P0.8)                 | Substitution | 04. 01 | S C - 0 1 0 4 - 4 5 1 7   | 04. 1/7 |
| 110 | K-15     | 91-106A-120H  | Oil Pan                        | Substitution | 04. 01 | 9 0 - 0 0 6 - 1 2 0 H     | 04. 1/7 |
| 111 | L-1      | 91-102C-1230  | Driver(L)                      | Substitution | 04. 01 | 9 1 - 0 0 2 C - 1 2 3 0   | 04. 1/7 |
| 112 | L-2      | 91-103C-1230  | Driver(M), (S)                 | Substitution | 04. 01 | 9 1 - 0 0 3 C - 1 2 3 0   | 04. 1/7 |
| 113 | P-8      | 21-029A-120H  | Presser Foot Solenoid Cable    | Substitution | 04. 01 | 0 2 - 0 0 5 B - B T 0 1   | 04. 1/7 |
| 114 | P-8      | 21-029A-120H  | Thread Trimming Solenoid Cable | Substitution | 04. 01 | 0 2 - 0 3 0 A - 1 2 0 H   | 04. 1/7 |
| 115 | T-8      | 49-004C-5030  | Elbow Union                    | Substitution | 04. 01 | 4 9 - 0 0 4 A - 1 2 H A   | 04. 1/7 |
| 116 | T-15     | 49-002C-5030  | Quick Joint Plug               | Substitution | 04. 01 | 4 9 A 0 0 4 S - 3 0 H 1   | 04. 1/7 |
| 117 | U-1      | 11-123AA-12HA | Wiper Base                     | Substitution | 04. 01 | 1 1 - 0 3 2 A - 1 2 H A   | 04. 1/7 |
| 118 | U-11     | 11-025S-12HA  | Hinge Screw For Wiper Link     | Substitution | 04. 01 | 1 1 - 0 2 4 C - 1 2 H A   | 04. 1/7 |
| 119 | W-16     | 10-044A-12HP  | Solenoid                       | Substitution | 04. 01 | 1 0 - 0 4 4 A - 9 6 7 7   | 04. 1/7 |
| 120 | W-44     | 20-048A-120H  | Colth Feed Plate               | Substitution | 04. 01 | 2 0 - 1 4 8 A - 1 2 0 H   | 04. 1/7 |

NOTE )

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## 수정 리스트 Changed Parts List

| No. | Ref. No. | Parts No. | Name of Parts | Contents | Date | Old Parts No. | Remarks |
|-----|----------|-----------|---------------|----------|------|---------------|---------|
| 121 |          |           |               |          |      |               |         |
| 122 |          |           |               |          |      |               |         |
| 123 |          |           |               |          |      |               |         |
| 124 |          |           |               |          |      |               |         |
| 125 |          |           |               |          |      |               |         |
| 126 |          |           |               |          |      |               |         |
| 127 |          |           |               |          |      |               |         |
| 128 |          |           |               |          |      |               |         |
| 129 |          |           |               |          |      |               |         |
| 130 |          |           |               |          |      |               |         |
| 131 |          |           |               |          |      |               |         |
| 132 |          |           |               |          |      |               |         |
| 133 |          |           |               |          |      |               |         |
| 134 |          |           |               |          |      |               |         |
| 135 |          |           |               |          |      |               |         |
| 136 |          |           |               |          |      |               |         |
| 137 |          |           |               |          |      |               |         |
| 138 |          |           |               |          |      |               |         |
| 139 |          |           |               |          |      |               |         |
| 140 |          |           |               |          |      |               |         |

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