

SunStar®



MANUAL
INVERTING CLAMP DEVICES
Electronically Controlled
Pattern Sewing Machine
SPS/E-1507 Series



- 1) FOR AT MOST USE WITH EASINESS, PLEASE READ THIS MANUAL BEFORE USING THE MACHINE.
- 2) KEEP THIS MANUAL IN SAFE PLACE FOR REFERENCE WHEN THE MACHINE BREAKS DOWN.

SunStar®

SUNSTAR MACHINERY CO., LTD.

MME-070109



- 1. Thank you for purchasing our product. Based on the rich expertise and experience accumulated in industrial sewing machine production, SUNSTAR will manufacture industrial sewing machines, which deliver more diverse functions, high performance, powerful operation, enhanced durability, and more sophisticated design to meet a number of user's needs.**
- 2. Please read this user's manual thoroughly before using the machine. Make sure to properly use the machine to enjoy its full performance.**
- 3. The specifications of the machine are subject to change, aimed to enhance product performance, without prior notice.**
- 4. This product is designed, manufactured, and sold as an industrial sewing machine. It should not be used for other than industrial purpose.**



SUNSTAR MACHINERY CO., LTD.

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Notice Before Using

- 1) Before inputting air pressure by air pressure control devices, check if a needle is not attached.



Caution

If the up-feed plate and reversal feeding frame ascend simultaneously with air pressure input so that a needle is put over the reversal feeding frame, the needle can be broken

- 2) Before reading patterns, check the pattern number once more.



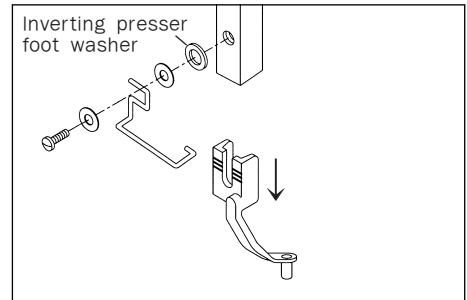
Caution

If you use read patterns, incorrectly a needle can be broken when the reversal feeding frame ascend during sewing or after finishing sewing.

- 3) Using presser foot is not available for normal inverting working. In case of using the presser foot, you should be careful since the sewing range around reversal crank differs from the normal sewing range.

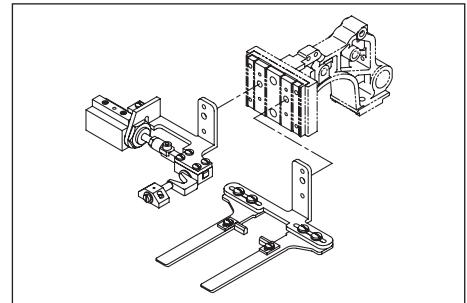
2**Inverting Clamp Devices of SPS/E-1507 Series****1. Installing the Inverting Clamp Devices**

- 1) Remove the up-feed plate and feed plate cramp attached to feed bracket.
- 2) Remove the presser foot and insert the Inverting presser foot washer on that spot, then fasten a fixing screw.



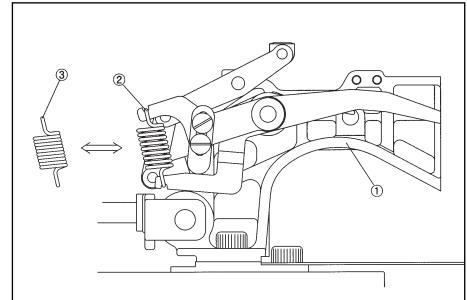
[Fig. 1]

- 3) Install the Inverting clamp devices as seen in the figure 2.



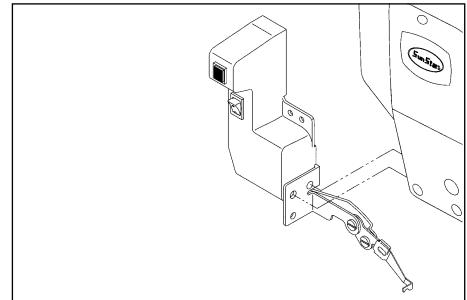
[Fig. 2]

- 4) If the machine is an electronic type, replace the lift lever extension spring② located on the left side of the feed bracket① with the lift lever extension spring for turnover device③.



[Fig. 3]

- 5) Attach the wiper for the inverting clamp devices.



[Fig. 4]

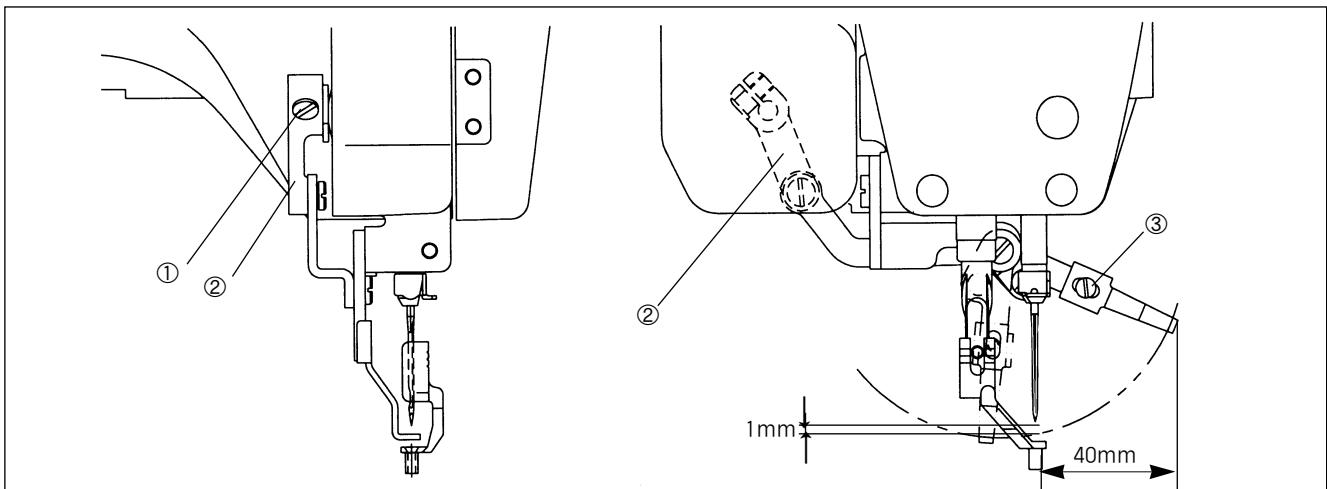
2. Adjusting the Wiper Parts

- 1) Unfasten the crank fixing screw ① when a needle is stopped upward.
- 2) Adjust the wiper crank ② for wiper and needle to be apart from about 40mm.
- 3) Fasten the wiper crank fixing screw ①.
- 4) Unfasten the wiper fixing screw ③ and adjust it for wiper tail and needle tip to be apart from about 1mm, then fasten the wiper fixing screw ③.



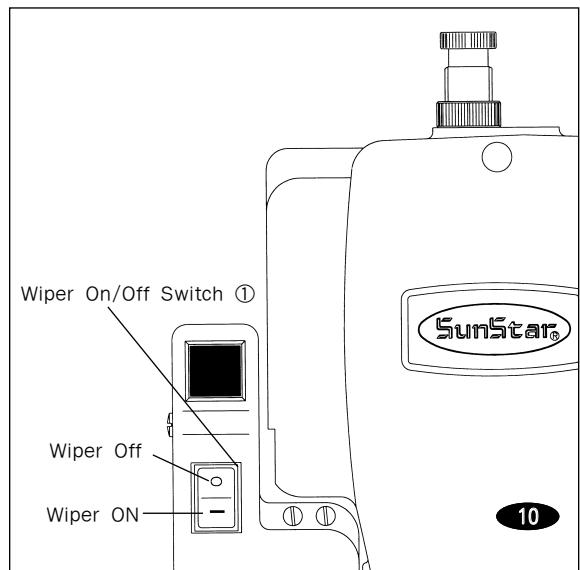
Caution

If a position of wiper is not proper, the wiper can be interfered with needle or inverting clamp devices during operating, therefore, precise operation can not be achieved.



[Fig. 5]

- 5) For using the wiper, press the wiper operation switch — ① and for not using it, press the wiper operation switch ○ ①.



[Fig. 6]

3. Installation and Adjustment of Pneumatic Control Parts

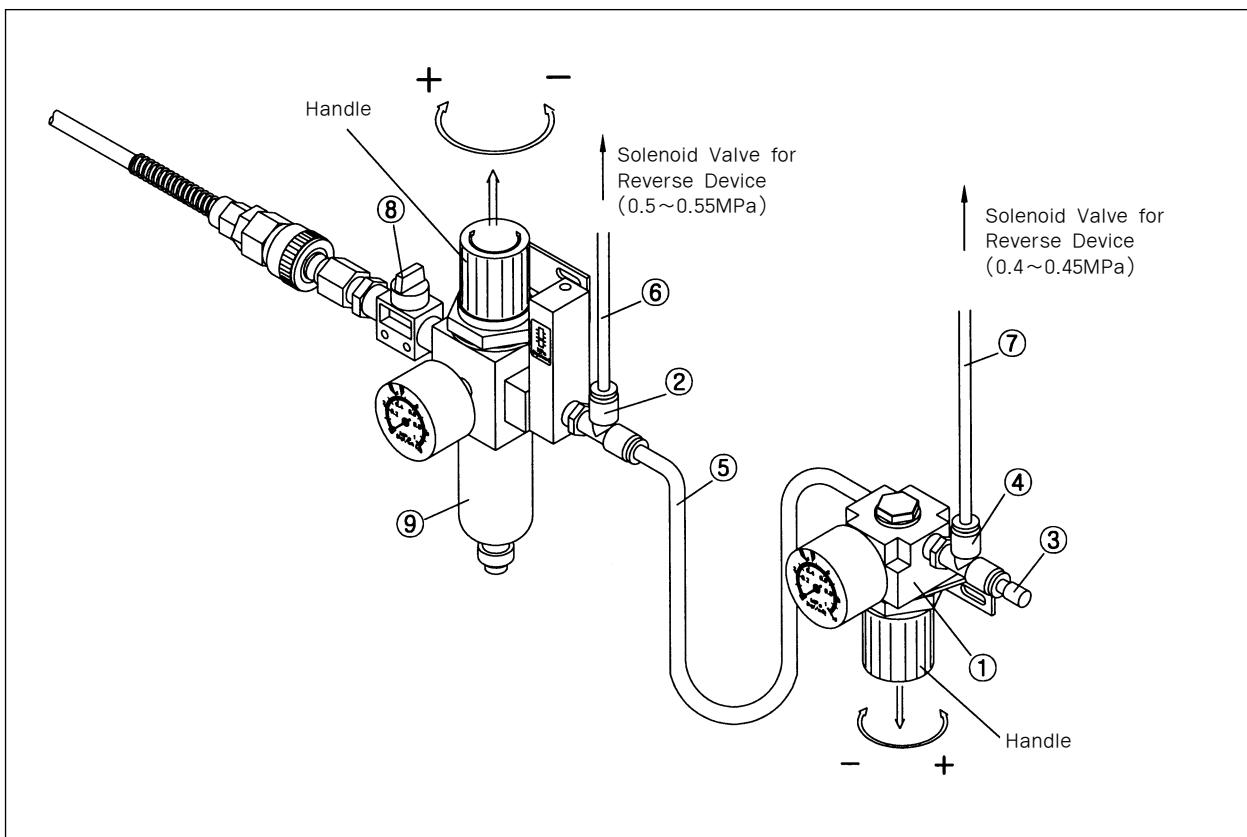


Caution

Make sure that the power is turned off during parts installation and adjustment in order to prevent safety accidents.

A. For pneumatic type

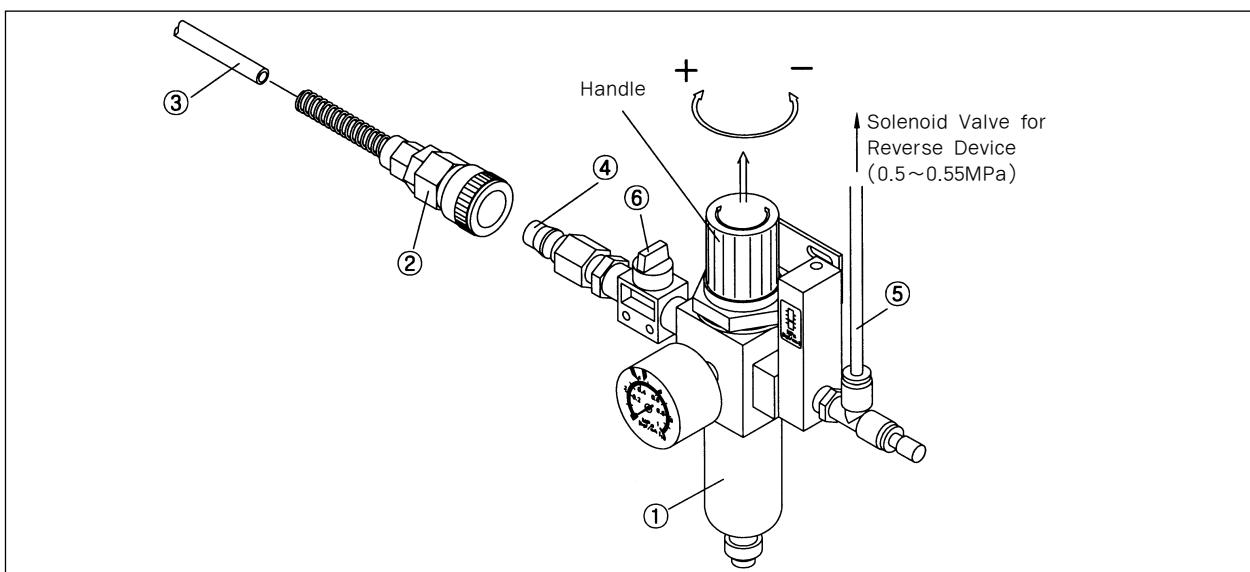
- 1) Attach the pressure adjuster① to the rear side of the table leg using the screw.
- 2) Remove the plug③ attached to T②, and insert it into T④. Connect the air hose⑤ as in the figure below.
- 3) Connect the air hoses⑥,⑦ to the corresponding solenoid entrances.
- 4) Open the finger valve⑧ and pass the air to move in.
- 5) Pull the pressure adjuster⑨ handle for the reverse device in the arrow direction. When it is turned in the (+) direction, the pressure increases. When it is turned in the (-) direction, the pressure decreases. Set the air pressure at the appropriate level of 0.5~0.55MPa (5~5.5Kgf/cm²).
- 6) Pull the pressure adjuster① handle for upper feed in the arrow direction. When it is turned in the (+) direction, the pressure increases. When it is turned in the (-) direction, the pressure decreases. Set the air pressure at the appropriate level of 0.4~0.45MPa (4~4.5Kgf/cm²).



[Fig. 7]

B. For electronic type

- 1) Attach the pressure adjuster② to the rear side of the table leg using the screw.
- 2) Connect the air hose③ to the quick joint socket②.
- 3) Assemble the quick joint socket② and the quick joint plug④.
- 4) Connect the air hose⑤ as in the figure and connect it to the reverse device solenoid entrance.
- 5) Open the finger valve⑥ and pass the air to move in.
- 6) Pull the pressure adjuster① handle for the reverse device in the arrow direction. When it is turned in the (+) direction, the pressure increases. When it is turned in the (-) direction, the pressure decreases. Adjust the air pressure at the appropriate level of 0.5~0.55MPa (5~5.5Kgf/cm²).



[Fig. 8]



Caution

If the air pressure of the pressure adjuster for the reverse device decreases in the middle of use (3Kgf/cm² or below), error message will be displayed and the machine will stop its operation.

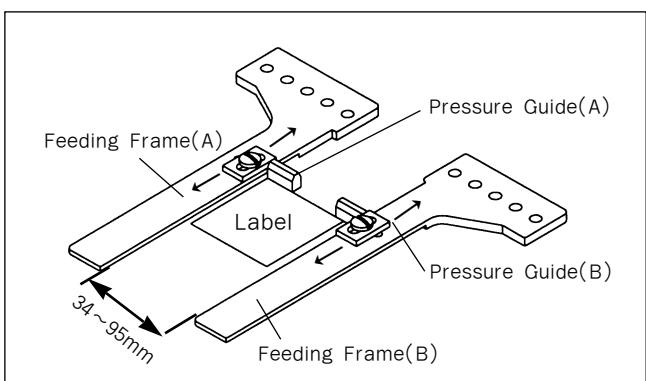


Note

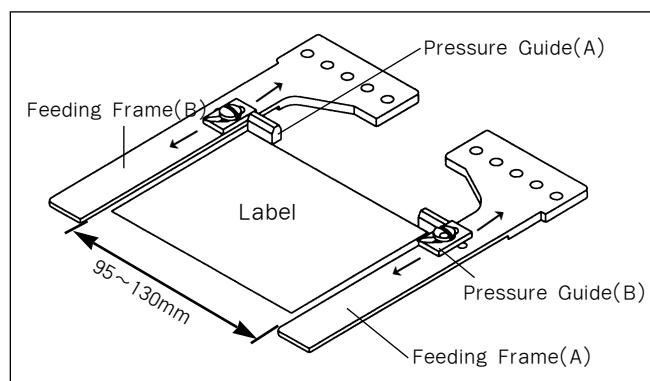
When closing the finger valve after use, the remaining air inside the valve will be released. Therefore, the air pressure is displayed 0 MPa (0 Kgf/cm²).

4. Adjusting the Reversal Feeding Frame

- 1) Attach the feeding frame guide (A) and (B) to the feeding frame (A) and (B).
- 2) If the width of label is 34~95mm, attach them as seen in the fig. 9, and if 95~130mm, attach them as seen in the fig. 10.



[Fig. 9]



[Fig. 10]

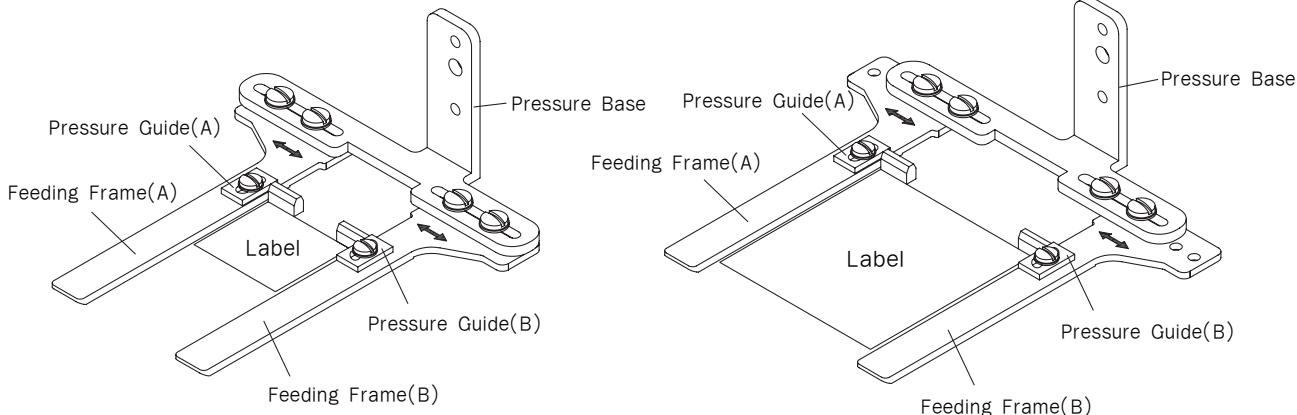
- 3) Adjust the precise position by moving the pressure guide (A) and (B) to the arrow direction according to the available sewing range for label.



Caution

As seen in the fig. 9, if the pressure guide (A) and (B) is interfered with the reversal crank since the width of label is too small, remove the pressure guide (A) and (B).

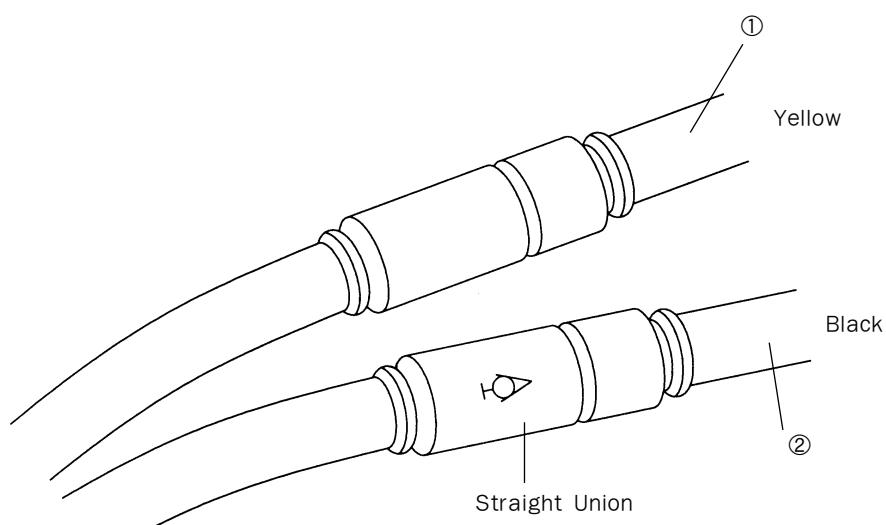
- 4) Attach the feeding frame (A) and (B) to the feeding frame base.
Adjust the precise position by moving the width of label to the arrow direction.



[Fig. 11]

5. Removing the Inverting Clamp Devices

- 1) Remove the inverting clamp devices when the machine is worked with standard specification.
- 2) Remove the inverting air tube ① and ② from one-touch juncture and straight union.
- 3) Unfasten the fixing screws and take off the parts for the inverting clamp devices.

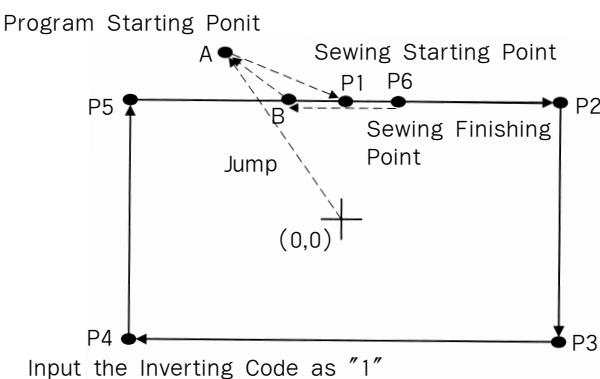


[Fig. 12]

3

The Use of Inverting Functions

They are used when inverting clamp devices are available. During programming the patterns, pay attention to that inverting clamp is interfered with needle bar, or inverting cylinder drive part is interfered with needle bar. There are two ways for inputting inverting codes (the orders to drive inverting devices), one is to call the already programmed pattern to add the inverting codes and the other is to program newly.



1. Pattern Programming by Using the Inverting Code

- ① Insert a floppy diskette into a floppy disk drive.
- ② Press a **MODE** key.
- ③ By using **Arrow Keys** **▲▼**, move to “2. Program” menu, then press **ENTER** **[]** key. At this time, the upper feed plate descends and move to the origin.

```
<< Main Menu>>
2. Program
3. Bobbin Wind
4. Machine Test
```

```
ORIGIN
X: 0 0 0 0 0 A N: 0 0 0 0 0
Y: 0 0 0 0 0 A
Function Code? [ ]
```

- ④ After pressing **JUMP** key, move to the A point by pressing **Arrow Keys**. Then press **PNT SET** key.

```
0 0 4 : JUMP
X: ? ? ? ? ?
Y: ? ? ? ? ?
N: 0 0 1 [ ]
```

- ⑤ If you press **EXE** key, the machine operates pattern date, then upper feed plate moves according the operated data.

```
JUMP          NONE
X: ? ? ? ? ? A N: 0 0 0 ? ?
Y: ? ? ? ? ? A
Function Code? [ ]
```

- ⑥ After pressing **CODE** key, set up the 2nd origin by pressing **digit** keys, [0][0][1].

<Function Code>

CODE No : 001

- ⑦ Press **ENTER** key.

SEC-ORG NONE
X:?????A N:000??
Y:?????A
Function Code? █

- ⑧ After pressing **JUMP** key, move to the sewing start point P1, by pressing **Arrow** key. Then press **PNT SET** key.

004 : JUMP
X : ? ? ? ?
Y : ? ? ? ?
N : 001 █

- ⑨ If you press **EXE** key, the machine operates pattern data, then upper feed plate moves according the operated data.

JUMP NONE
X : ? ? ? ? A N : 000??
Y : ? ? ? ? A
Function Code? █

- ⑩ After pressing **LINE** key, input the stitch width by using **digit** keys, then press **ENTER** key.
 (For example, if you want to set up 3mm as stitch width, input [0][3][0].)

007 : LINE
WIDTH: 030 [0.1mm]

- ⑪ Move to the P2, P3, and P4 by using **Arrow** keys, then press **PNT SET** key each time to input the coordinates of each corner.

007 : LINE
X : ? ? ? ?
Y : ? ? ? ?
N : 003

- ⑫ If you press **EXE** key, the machine operates pattern data, then upper feed plate moves according the operated data.

LINE NONE
X : ? ? ? ? A N : 00???
Y : ? ? ? ? A
Function Code? █

- ⑬ After pressing **CODE** key, input the inverting code by pressing **digit** keys [0][4]and [9].

<Function Code>

CODE No : 049

- ⑭ Press **ENTER** key. Operate the inverting cylinder by pressing **digit** key, 1.

049 : REV SET
POS : 1 [0/1]

- ⑮ After confirming, input the inverting code by pressing **ENTER** key.

REV SET NONE
X : ? ? ? ? ? A N : 0 0 ? ? ?
Y : ? ? ? ? ? A
Function Code? █

- ⑯ Program P5 and P6 by using **LINE**.

007 : LINE
X : ? ? ? ? ?
Y : ? ? ? ? ?
N : 0 0 2 █

- ⑰ Press **Trim** key to input trimming code.
“000 : TRIM” appears on the screen, then the screen on the right appears again.

TRIM NONE
X : ? ? ? ? ? A N : 0 0 ? ? ?
Y : ? ? ? ? ? A
Function Code? █

- ⑱ After pressing **JUMP** key, move to the B point by using **digit** keys. Then, press **PNT SET** key.

004 : JUMP
X : ? ? ? ? ?
Y : ? ? ? ? ?
N : 0 0 1 █

- ⑲ If you press **EXE** key, the machine operates pattern data, then upper feed plate moves according the operated data.

JUMP NONE
X : ? ? ? ? ? A N : 0 0 ? ? ?
Y : ? ? ? ? ? A
Function Code? █

- ㉙ Perform test sewing.
- ㉚ After pressing **WRITE** key, input the number you want to save by using **digit** keys, and press **ENTER** key. Save the generated pattern data into a floppy diskette as the relevant number.
(For example, to save the pattern number as 551, input [5][5]and [1].)
- ㉛ For completing pattern data generation, press **MODE** key. The upper feed plate moves to the origin, then ascends. To back to the initial screen, press **ESC** key.

```
015 : PTRN WRITE
NO : 551
```

```
<<Main Menu>>
2 . Program
3 . Bobbin Wind
4 . Machine Test
```

2. Adding the Codes for Reversal to the Patterns Already Programmed

- 1) Reading the pattern that does not have inverting codes.
- ① Insert a floppy diskette that has a pattern to be added the inverting code.
 - ② Press **MODE** key.
 - ③ After moving to "2. Program" menu by using **Arrow** key, **▲▼**, press **ENTER** key. At this time, the upper feed plate descends and moves to the origin.
- ④ After pressing **READ** key, input the pattern number that contains a sewing speed you want to change by using **digit** keys, then press **ENTER** key to read the pattern.
(For example, to read pattern number 500, input [5][0][0].)

```
<<<Main Menu>>
2 . Program
3 . Bobbin Wind
4 . Machine Test
```

```
ORIGIN
X : 0 0 0 0 A N : 0 0 0 0 0
Y : 0 0 0 0 A
Function Code? █
```

```
014 : PTRN      READ
NO       : 500
```

```
LINE
X : ? ? ? ? A N : 0 0 0 ? ?
Y : ? ? ? ? A
Function Code? █
```

```
<Function Code>
CODE No : 049
```

2) Inserting the inverting code

- ⑤ Add the inverting code by using **FORW**, **BACK** keys, and move to the P4 that you want to add the inverting code.

- ⑥ After pressing **CODE** key, input the inverting code by pressing **digit** keys, [0][4] and [9].

- ⑦ Press **ENTER** key.
Operate the inverting cylinder by pressing **digit** key **1**.

```
0 4 9 : R E V      S E T
P O S   : 1 [ 0 / 1 ]
```

- ⑧ After confirming, press **ENTER** key to input the inverting code.

```
R E V      S E T
X : ? ? ? ? ? A  N : 0 0 ? ? ?
Y : ? ? ? ? ? A
F u n c t i o n   C o d e ?
```

3) Test sewing

- ⑨ Press **TEST** key. After moving to the origin, the upper feed plate moves to the sewing start point and ascends to turn on the **READY LED**. After adjusting proper speed for test sewing by pressing **SPEED** key, if you press **down right pedal** switch once, the upper feed plate descends, and if you press **down left pedal** switch once more, the test sewing comes to start. After completing the test sewing, the up-feed plate moves to the sewing start point then ascends.
 ⑩ By repressing **TEST** key, complete the test sewing. After the upper feed plate descends and moves to the origin, the **READY LED** turns off.

```
< T e s t   S e w i n g >
S P : 1 2 0 0
```

4) Saving as new pattern number

- ⑪ After pressing **WRITE** key, input the pattern number you want to save by using **digit** key, and press **ENTER ↵** key. Save the generated pattern data into a floppy diskette as a relevant number. (For example, to save the pattern number as 552, input [5],[5]and [2].) During saving the pattern, **READY LED** flickers. After completing the saving, the **READY LED** turns off, and the upper feed plate moves to the origin.

```
O R I G I N
X : 0 0 0 0 0 A  N : 0 0 0 0 0
Y : 0 0 0 0 0 A
F u n c t i o n   C o d e ?
```

```
0 1 5 : P T R N   W R I T E
N O : 5 5 2
```

```
O R I G I N
X : 0 0 0 0 0 A  N : 0 0 0 0 0
Y : 0 0 0 0 0 A
F u n c t i o n   C o d e ?
```

- ⑫ To complete the pattern data generation, press **MODE** key. After moving to the origin, the upper feed plate ascends. To back to the initial screen, press **ESC** key.

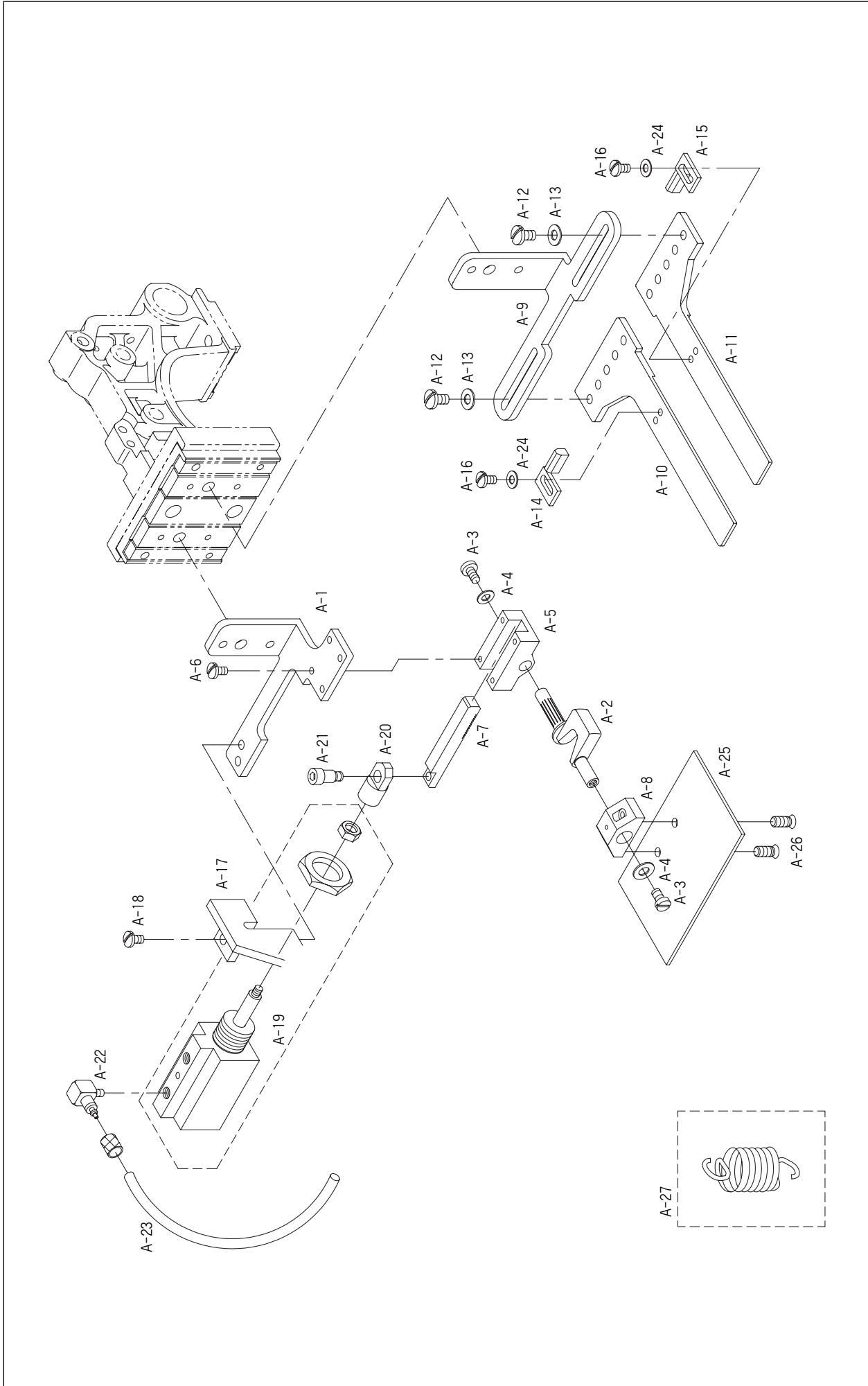
```
<< M a i n   M e n u >>
2 . P r o g r a m
3 . B o b b i n   W i n d
4 . M a c h i n e   T e s t
```

Parts book





Inverting Clamp Devices Mechanism (SPS/E-1507 Series)



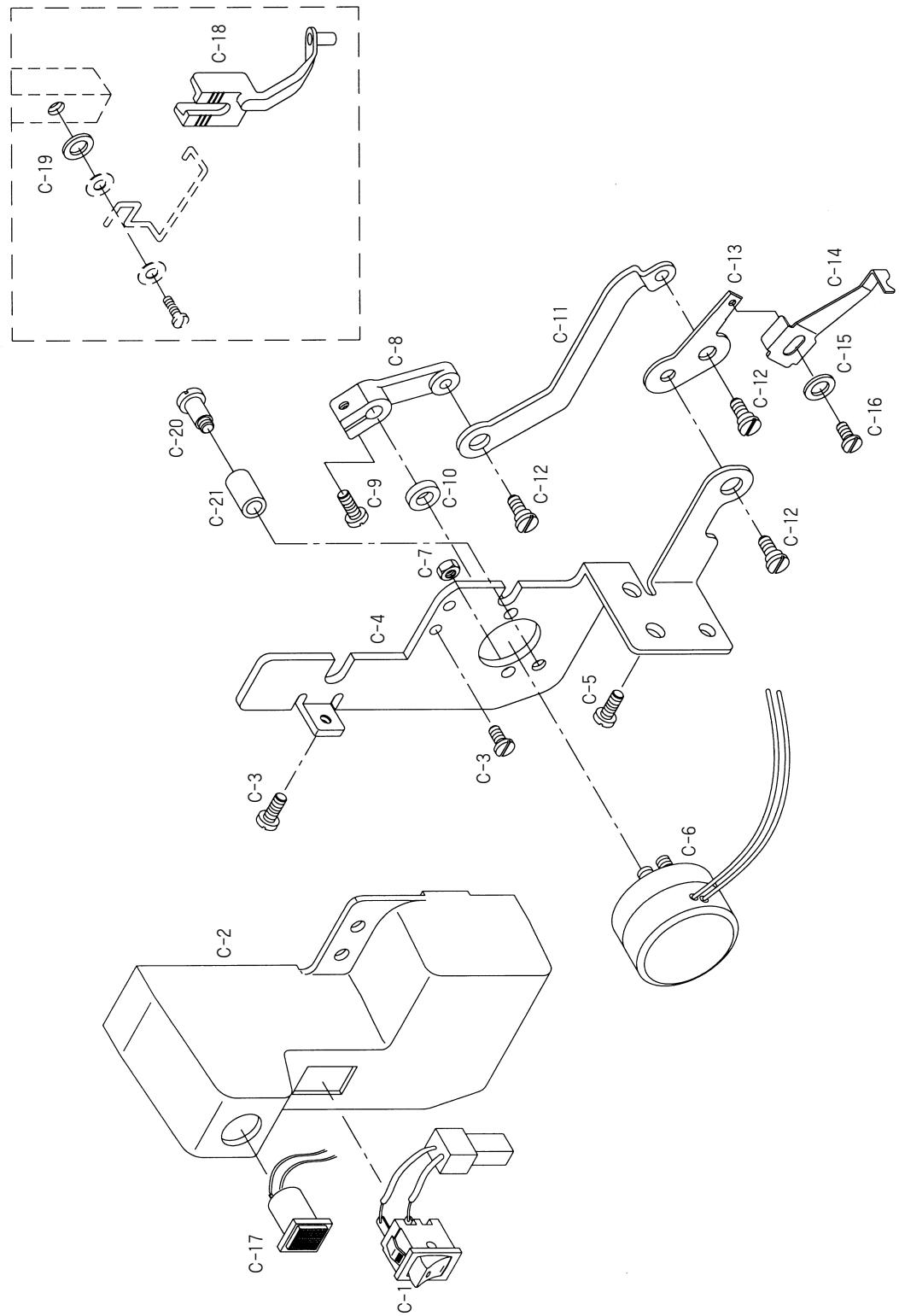
Ref. No.	Parts No.	Parts Names	Q'ty	부품번호	품명	수량
A-1	G P - 0 2 2 2 6 7 - 0 0	Inverting Base	1	A-1	G P - 0 2 2 2 6 7 - 0 0	반전 베이스
A-2	G P - 0 2 2 2 6 2 - 0 0	Inverting Crank	1	A-2	G P - 0 2 2 2 6 2 - 0 0	반전 크랭크
A-3	5 2 A 0 0 3 S - 3 0 6 H	Screw (1/8" n=40)	2	A-3	5 2 A 0 0 3 S - 3 0 6 H	첨니사
A-4	S W - 0 1 0 3 - 9 0 1 1	Washer	2	A-4	S W - 0 1 0 3 - 9 0 1 1	와셔
A-5	5 2 A 0 0 5 S - 3 0 6 H	Inverting Crank Base	1	A-5	5 2 A 0 0 5 S - 3 0 6 H	반전 크랭크 베이스
A-6	S C - 0 5 2 4 - 4 1 2 2	Screw (1/8" n=44)	4	A-6	S C - 0 5 2 4 - 4 1 2 2	첨니사
A-7	G P - 0 2 2 2 6 5 - 0 0	Inverting Rack	1	A-7	G P - 0 2 2 2 6 5 - 0 0	반전 랙
A-8	5 2 A 0 0 8 S - 3 0 6 H	Inverting Support Base	1	A-8	5 2 A 0 0 8 S - 3 0 6 H	반전 누를 베이스
A-9	G P - 0 2 2 2 6 6 - 0 0	Presser Plate Base	1	A-9	G P - 0 2 2 2 6 6 - 0 0	반전 누름판 베이스
A-10	G P - 0 2 2 2 6 3 - 0 0	Feeding Frame (A)	1	A-10	G P - 0 2 2 2 6 3 - 0 0	이송 후레임(A)
A-11	G P - 0 2 2 2 6 4 - 0 0	Feeding Frame (B)	1	A-11	G P - 0 2 2 2 6 4 - 0 0	이송 후레임(B)
A-12	S C - 0 5 4 3 - 4 5 2 5	Screw (11/64 n=40)	4	A-12	S C - 0 5 4 3 - 4 5 2 5	첨니사
A-13	2 2 S 0 2 1 S - 3 0 6 H	Washer	4	A-13	2 2 S 0 2 1 S - 3 0 6 H	와셔
A-14	5 2 A 0 1 4 S - 3 0 6 H	Guide Presser (A)	1	A-14	5 2 A 0 1 4 S - 3 0 6 H	누름판 가이드 (A)
A-15	5 2 A 0 1 5 S - 3 0 6 H	Guide Presser (B)	1	A-15	5 2 A 0 1 5 S - 3 0 6 H	누름판 가이드 (B)
A-16	S C - 0 5 0 2 - 4 1 2 5	Screw (9/64" n=40)	1	A-16	S C - 0 5 0 2 - 4 1 2 5	첨니사
A-17	5 2 A 0 1 7 S - 3 0 6 H	Inverting Cylinder Bracket	1	A-17	5 2 A 0 1 7 S - 3 0 6 H	반전 실린더 브라켓
A-18	S C - 0 5 4 8 - 4 1 2 2	Screw (3/16 n=28)	2	A-18	S C - 0 5 4 8 - 4 1 2 2	첨니사
A-19	0 9 A 0 1 9 S - 3 0 6 H	Inverting Cylinder Ass'y	1set	A-19	0 9 A 0 1 9 S - 3 0 6 H	반전 실린터 (조)
A-20	0 9 A 0 2 9 S - 8 1 1 H	Inverting Cylinder Knuckle	1	A-20	0 9 A 0 2 9 S - 8 1 1 H	반전 실린터 너클
A-21	0 9 A 0 3 0 S - 8 1 1 H	Inverting Rack Hinge Screw	2	A-21	0 9 A 0 3 0 S - 8 1 1 H	반전 랙 헌지나사
A-22	4 9 A 0 2 9 S - 8 1 1 H	Air Elbow	2	A-22	4 9 A 0 2 9 S - 8 1 1 H	에어 엘보우
A-23	0 5 A 0 3 9 S - 8 1 1 H	Air Hose (#4)	1	A-23	0 5 A 0 3 9 S - 8 1 1 H	에어호스
A-24	0 1 - 0 1 7 W - 1 6 0 0	Washer	2	A-24	0 1 - 0 1 7 W - 1 6 0 0	와셔
A-25	G P - 0 2 2 2 6 1 - 0 0	Inverting Presser Plate(A)	1	A-25	G P - 0 2 2 2 6 1 - 0 0	반전 누름판
A-26	0 9 A 0 2 3 S - 8 1 1 H	Screw	1	A-26	0 9 A 0 2 3 S - 8 1 1 H	첨니사
* A-27	5 2 A 0 2 2 S - 3 0 6 H	Lifting Lever Tension Spring (Invert Clamp)	1	* A-27	5 2 A 0 2 2 S - 3 0 6 H	올림레버 인장 스프링 (반전용)

Ref. No.	Parts No.	Parts Names	Q'ty	부품번호	품명	수량
A-1	G P - 0 2 2 2 6 7 - 0 0	Inverting Base	1	A-1	G P - 0 2 2 2 6 7 - 0 0	반전 베이스
A-2	G P - 0 2 2 2 6 2 - 0 0	Inverting Crank	1	A-2	G P - 0 2 2 2 6 2 - 0 0	반전 크랭크
A-3	5 2 A 0 0 3 S - 3 0 6 H	Screw (1/8" n=40)	2	A-3	5 2 A 0 0 3 S - 3 0 6 H	첨니사
A-4	S W - 0 1 0 3 - 9 0 1 1	Washer	2	A-4	S W - 0 1 0 3 - 9 0 1 1	와셔
A-5	5 2 A 0 0 5 S - 3 0 6 H	Inverting Crank Base	1	A-5	5 2 A 0 0 5 S - 3 0 6 H	반전 크랭크 베이스
A-6	S C - 0 5 2 4 - 4 1 2 2	Screw (1/8" n=44)	4	A-6	S C - 0 5 2 4 - 4 1 2 2	첨니사
A-7	G P - 0 2 2 2 6 5 - 0 0	Inverting Rack	1	A-7	G P - 0 2 2 2 6 5 - 0 0	반전 랙
A-8	5 2 A 0 0 8 S - 3 0 6 H	Inverting Support Base	1	A-8	5 2 A 0 0 8 S - 3 0 6 H	반전 누를 베이스
A-9	G P - 0 2 2 2 6 6 - 0 0	Presser Plate Base	1	A-9	G P - 0 2 2 2 6 6 - 0 0	반전 누름판 베이스
A-10	G P - 0 2 2 2 6 3 - 0 0	Feeding Frame (A)	1	A-10	G P - 0 2 2 2 6 3 - 0 0	이송 후레임(A)
A-11	G P - 0 2 2 2 6 4 - 0 0	Feeding Frame (B)	1	A-11	G P - 0 2 2 2 6 4 - 0 0	이송 후레임(B)
A-12	S C - 0 5 4 3 - 4 5 2 5	Screw (11/64 n=40)	4	A-12	S C - 0 5 4 3 - 4 5 2 5	첨니사
A-13	2 2 S 0 2 1 S - 3 0 6 H	Washer	4	A-13	2 2 S 0 2 1 S - 3 0 6 H	와셔
A-14	5 2 A 0 1 4 S - 3 0 6 H	Guide Presser (A)	1	A-14	5 2 A 0 1 4 S - 3 0 6 H	누름판 가이드 (A)
A-15	5 2 A 0 1 5 S - 3 0 6 H	Guide Presser (B)	1	A-15	5 2 A 0 1 5 S - 3 0 6 H	누름판 가이드 (B)
A-16	S C - 0 5 0 2 - 4 1 2 5	Screw (9/64" n=40)	1	A-16	S C - 0 5 0 2 - 4 1 2 5	첨니사
A-17	5 2 A 0 1 7 S - 3 0 6 H	Inverting Cylinder Bracket	1	A-17	5 2 A 0 1 7 S - 3 0 6 H	반전 실린더 브라켓
A-18	S C - 0 5 4 8 - 4 1 2 2	Screw (3/16 n=28)	2	A-18	S C - 0 5 4 8 - 4 1 2 2	첨니사
A-19	0 9 A 0 1 9 S - 3 0 6 H	Inverting Cylinder Ass'y	1set	A-19	0 9 A 0 1 9 S - 3 0 6 H	반전 실린터 (조)
A-20	0 9 A 0 2 9 S - 8 1 1 H	Inverting Cylinder Knuckle	1	A-20	0 9 A 0 2 9 S - 8 1 1 H	반전 실린터 너클
A-21	0 9 A 0 3 0 S - 8 1 1 H	Inverting Rack Hinge Screw	2	A-21	0 9 A 0 3 0 S - 8 1 1 H	반전 랙 헌지나사
A-22	4 9 A 0 2 9 S - 8 1 1 H	Air Elbow	2	A-22	4 9 A 0 2 9 S - 8 1 1 H	에어 엘보우
A-23	0 5 A 0 3 9 S - 8 1 1 H	Air Hose (#4)	1	A-23	0 5 A 0 3 9 S - 8 1 1 H	에어호스
A-24	0 1 - 0 1 7 W - 1 6 0 0	Washer	2	A-24	0 1 - 0 1 7 W - 1 6 0 0	와셔
A-25	G P - 0 2 2 2 6 1 - 0 0	Inverting Presser Plate(A)	1	A-25	G P - 0 2 2 2 6 1 - 0 0	반전 누름판
A-26	0 9 A 0 2 3 S - 8 1 1 H	Screw	1	A-26	0 9 A 0 2 3 S - 8 1 1 H	첨니사
* A-27	5 2 A 0 2 2 S - 3 0 6 H	Lifting Lever Tension Spring (Invert Clamp)	1	* A-27	5 2 A 0 2 2 S - 3 0 6 H	올림레버 인장 스프링 (반전용)

Note) ★ Registered A-27 parts are electronic kinds of machine.

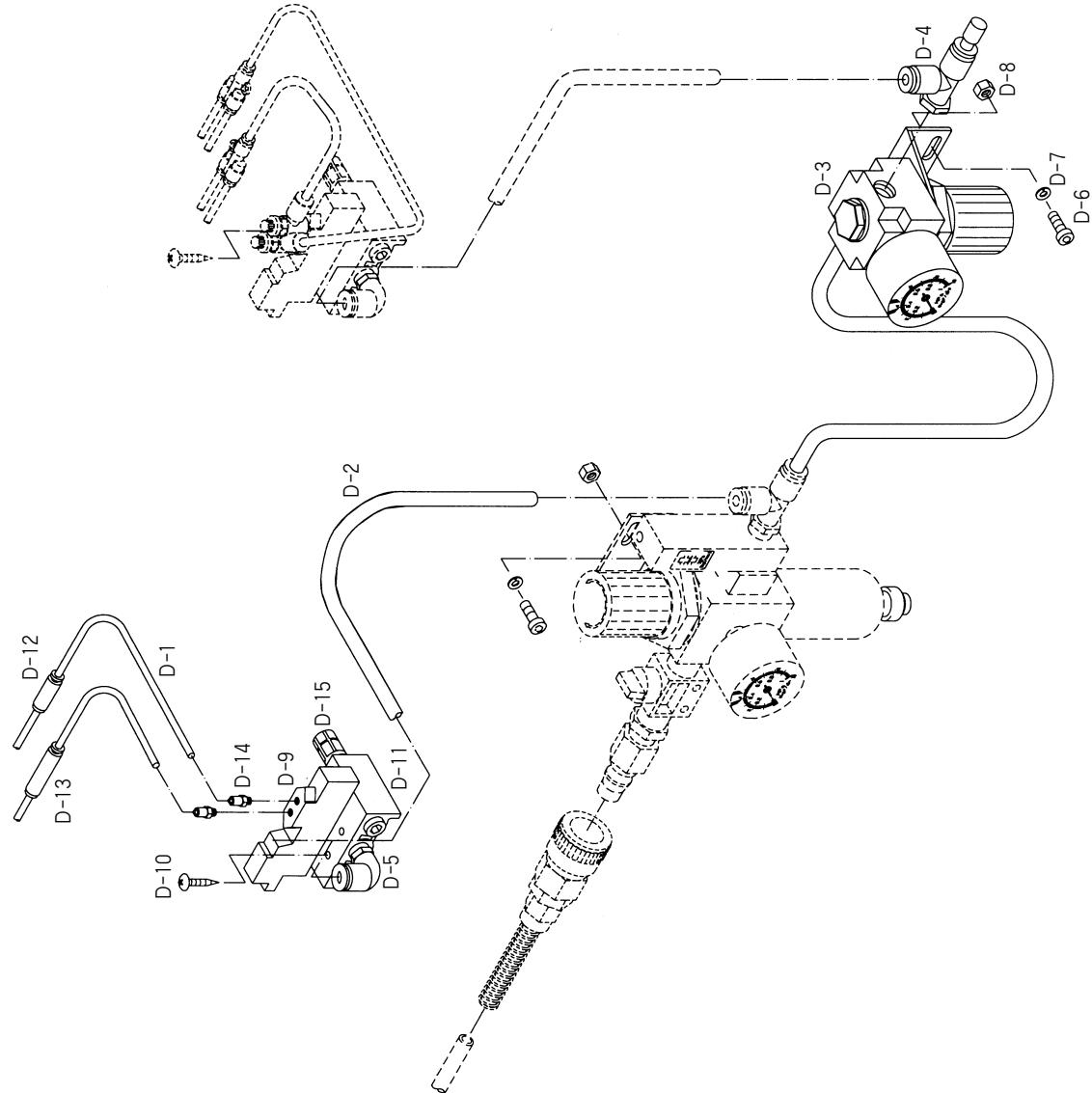


B Wiper & Presser Foot Mechanism



Sunstar®

Pneumatic Control Mechanism (SPS/E-1507 Pneumatic Machine Series)

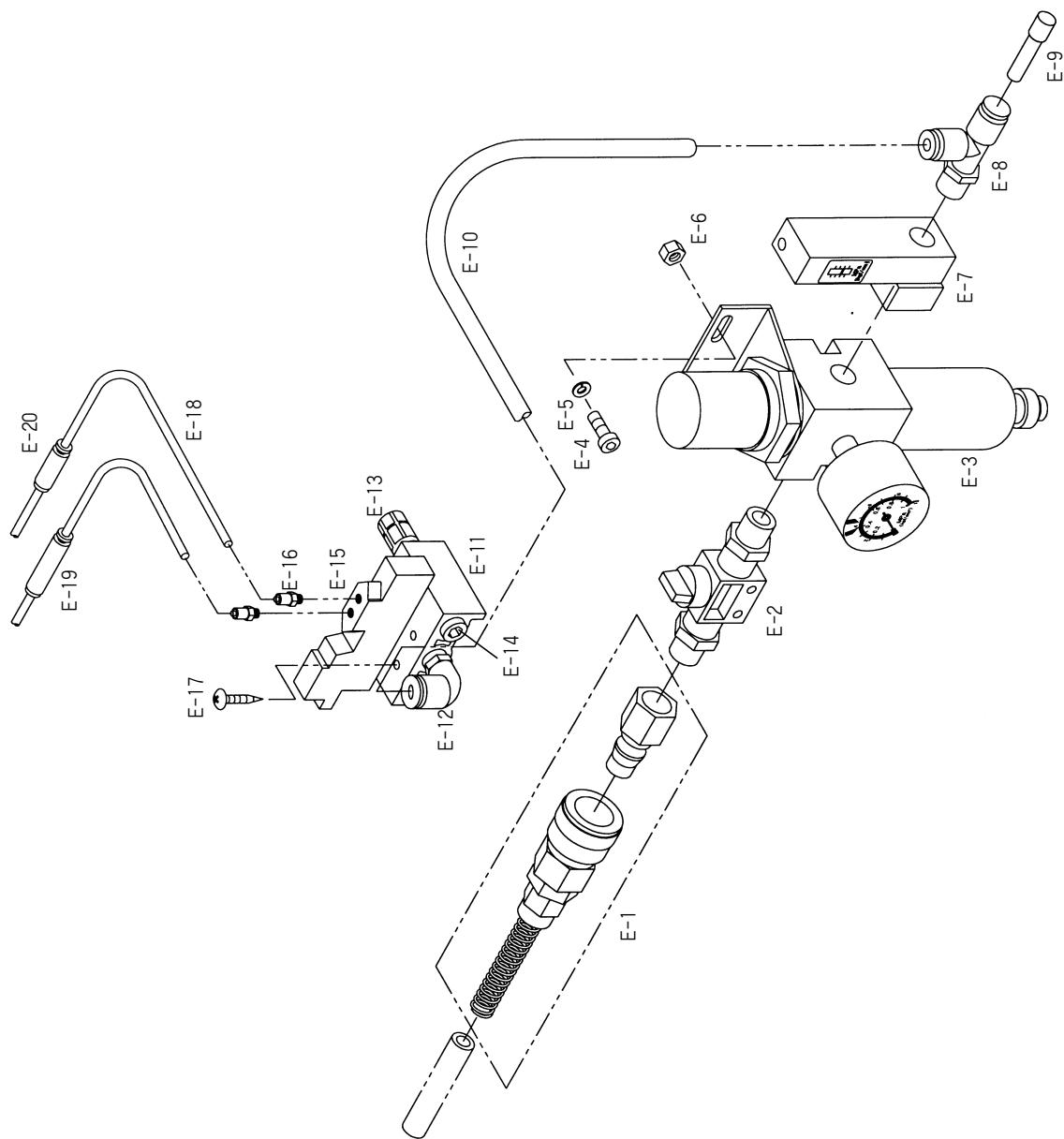


Ref. No.	Parts No.	Parts Names	Q'ty	Parts Names	Q'ty
C-1	49A001S-811H	Urethane Hose (Φ4)		C-1	49A001S-811H
C-2	05A052S-811H	Urethane Hose (Φ6)		C-2	05A052S-811H
C-3	49A006S-811H	Regulator	1	C-3	49A006S-811H
C-4	49A009S-811H	Tee	1	C-4	49A009S-811H
C-5	49A014S-811H	Elbow Union	1	C-5	49A014S-811H
C-6	02031SC-2113	Screw (M5×P0.8)	2	C-6	02031SC-2113
C-7	10-010W-7507	Washer	2	C-7	10-010W-7507
C-8	SN-01115-2000	Nut (M5×P0.8)	2	C-8	SN-01115-2000
C-9	49A017S-811H	Solenoid Valve	1	C-9	49A017S-811H
C-10	49A018S-811H	Tapping Screw	2	C-10	49A018S-811H
C-11		Solenoid Valve Bracket	1	C-11	솔레노이드 벨브 브레이킷
C-12	49A013S-811H	Straight Union	1	C-12	49A013S-811H
C-13	49A100S-811H	Check Valve	1	C-13	49A100S-811H
C-14	49A015S-811H	Hose Nipple	2	C-14	49A015S-811H
C-15	49A020S-811H	Silencer	2	C-15	49A020S-811H

C-1	49A001S-811H	Urethane Hose (Φ4)		C-1	49A001S-811H
C-2	05A052S-811H	Urethane Hose (Φ6)		C-2	05A052S-811H
C-3	49A006S-811H	Regulator	1	C-3	49A006S-811H
C-4	49A009S-811H	Tee	1	C-4	49A009S-811H
C-5	49A014S-811H	Elbow Union	1	C-5	49A014S-811H
C-6	02031SC-2113	Screw (M5×P0.8)	2	C-6	02031SC-2113
C-7	10-010W-7507	Washer	2	C-7	10-010W-7507
C-8	SN-01115-2000	Nut (M5×P0.8)	2	C-8	SN-01115-2000
C-9	49A017S-811H	Solenoid Valve	1	C-9	49A017S-811H
C-10	49A018S-811H	Tapping Screw	2	C-10	49A018S-811H
C-11		Solenoid Valve Bracket	1	C-11	솔레노이드 벨브 브레이킷
C-12	49A013S-811H	Straight Union	1	C-12	49A013S-811H
C-13	49A100S-811H	Check Valve	1	C-13	49A100S-811H
C-14	49A015S-811H	Hose Nipple	2	C-14	49A015S-811H
C-15	49A020S-811H	Silencer	2	C-15	49A020S-811H

D

Pneumatic Control Mechanism (SPS/E-1507 Electronic Machine Series)



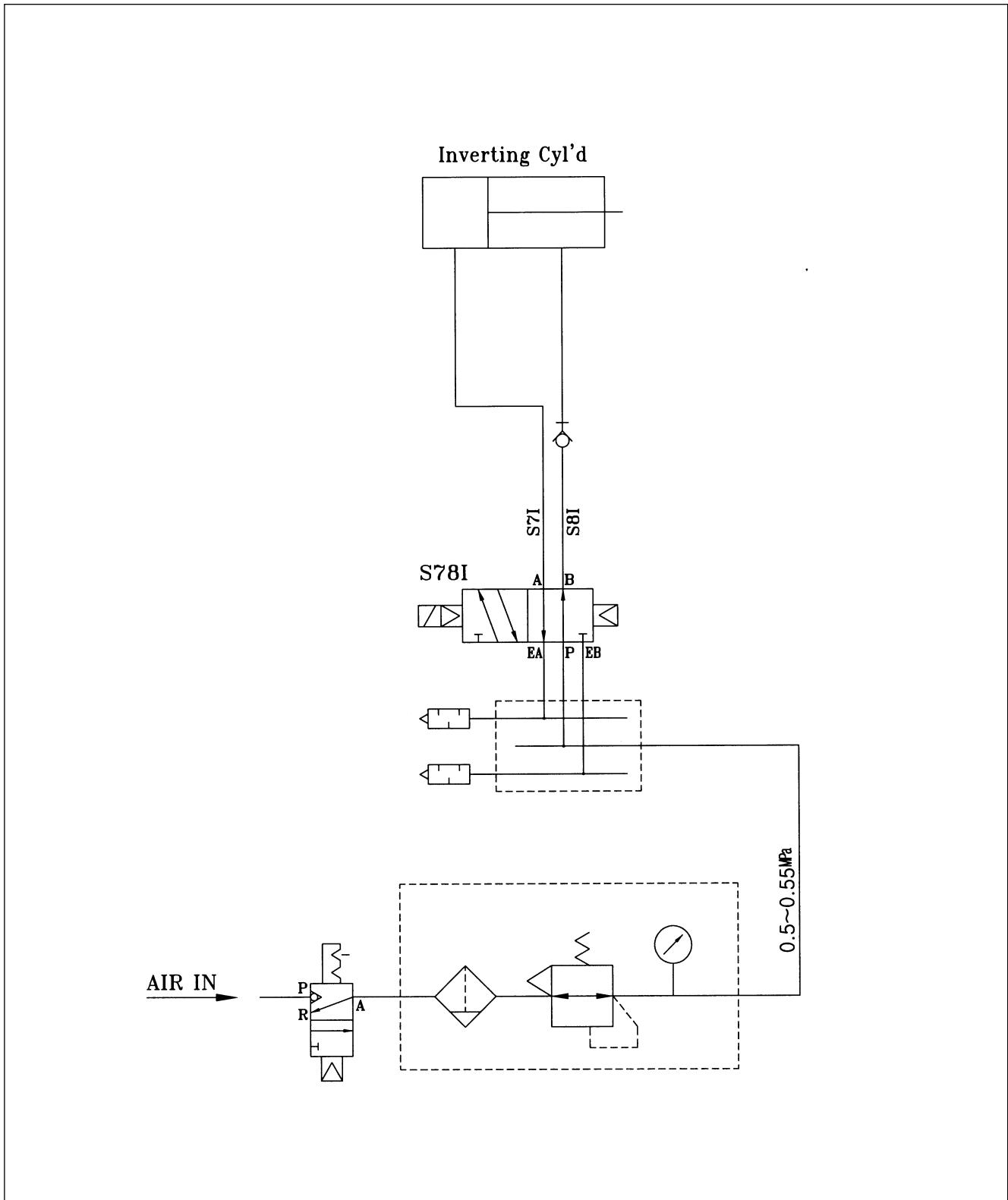
Ref. No.	Parts No.	Parts Names	Q'ty	Parts Names	Q'ty
Ref. No.	Parts No.	Parts Names		Ref. No.	Parts No.
D-1	49A004S-811H	Quick Joint Plug Ass'y	1	D-1	49A004S-811H
D-2	49A005S-811H	Finger Valve	1	D-2	49A005S-811H
D-3	49A006S-811H	Filter Regulator	2	D-3	49A006S-811H
D-4	49A008S-811H	Screw(M5×P0.8)	2	D-4	49A008S-811H
D-5	10-010W-7507	Washer	2	D-5	10-010W-7507
D-6	49A009S-811H	Nut (M5×P0.8)	1	D-6	49A009S-811H
D-7	49A007S-811H	Air Pressure Switch	1	D-7	49A007S-811H
D-8	49A011S-811H	Tee	1	D-8	49A011S-811H
D-9	49A013S-811H	Plug (A)	-	D-9	49A013S-811H
D-10	05A052S-811H	Air Hose (Φ6)	1	D-10	05A052S-811H
D-11		Manifold Block	1	D-11	매니폴드 블럭 (1단)
D-12	49A014S-811H	Elbow Union	2	D-12	49A014S-811H
D-13	49A020S-811H	Silencer	3	D-13	49A020S-811H
D-14	52A014S-306H	Plug (B)	1	D-14	52A014S-306H
D-15	52A015S-306H	Solenoid Valve	2	D-15	52A015S-306H
D-16	49A015S-811H	Hose Nipple	2	D-16	49A015S-811H
D-17	49A018S-811H	Tapping Screw	-	D-17	49A018S-811H
D-18	49A001S-811GH	Air Hose (Φ4)	1	D-18	49A001S-811GH
D-19		Check Valve	1	D-19	체크 밸브
D-20		Straight Union		D-20	스트레이트 유니언

D-1	49A004S-811H	Quick Joint Plug Ass'y	1	D-1	49A004S-811H
D-2	49A005S-811H	Finger Valve	1	D-2	49A005S-811H
D-3	49A006S-811H	Filter Regulator	2	D-3	49A006S-811H
D-4	49A008S-811H	Screw(M5×P0.8)	2	D-4	49A008S-811H
D-5	10-010W-7507	Washer	2	D-5	10-010W-7507
D-6	49A009S-811H	Nut (M5×P0.8)	1	D-6	49A009S-811H
D-7	49A007S-811H	Air Pressure Switch	1	D-7	49A007S-811H
D-8	49A011S-811H	Tee	1	D-8	49A011S-811H
D-9	49A013S-811H	Plug (A)	-	D-9	49A013S-811H
D-10	05A052S-811H	Air Hose (Φ6)	1	D-10	05A052S-811H
D-11		Manifold Block	1	D-11	매니폴드 블럭 (1단)
D-12	49A014S-811H	Elbow Union	2	D-12	49A014S-811H
D-13	49A020S-811H	Silencer	3	D-13	49A020S-811H
D-14	52A014S-306H	Plug (B)	1	D-14	52A014S-306H
D-15	52A015S-306H	Solenoid Valve	2	D-15	52A015S-306H
D-16	49A015S-811H	Hose Nipple	2	D-16	49A015S-811H
D-17	49A018S-811H	Tapping Screw	-	D-17	49A018S-811H
D-18	49A001S-811GH	Air Hose (Φ4)	1	D-18	49A001S-811GH
D-19		Check Valve	1	D-19	체크 밸브
D-20		Straight Union		D-20	스트레이트 유니언

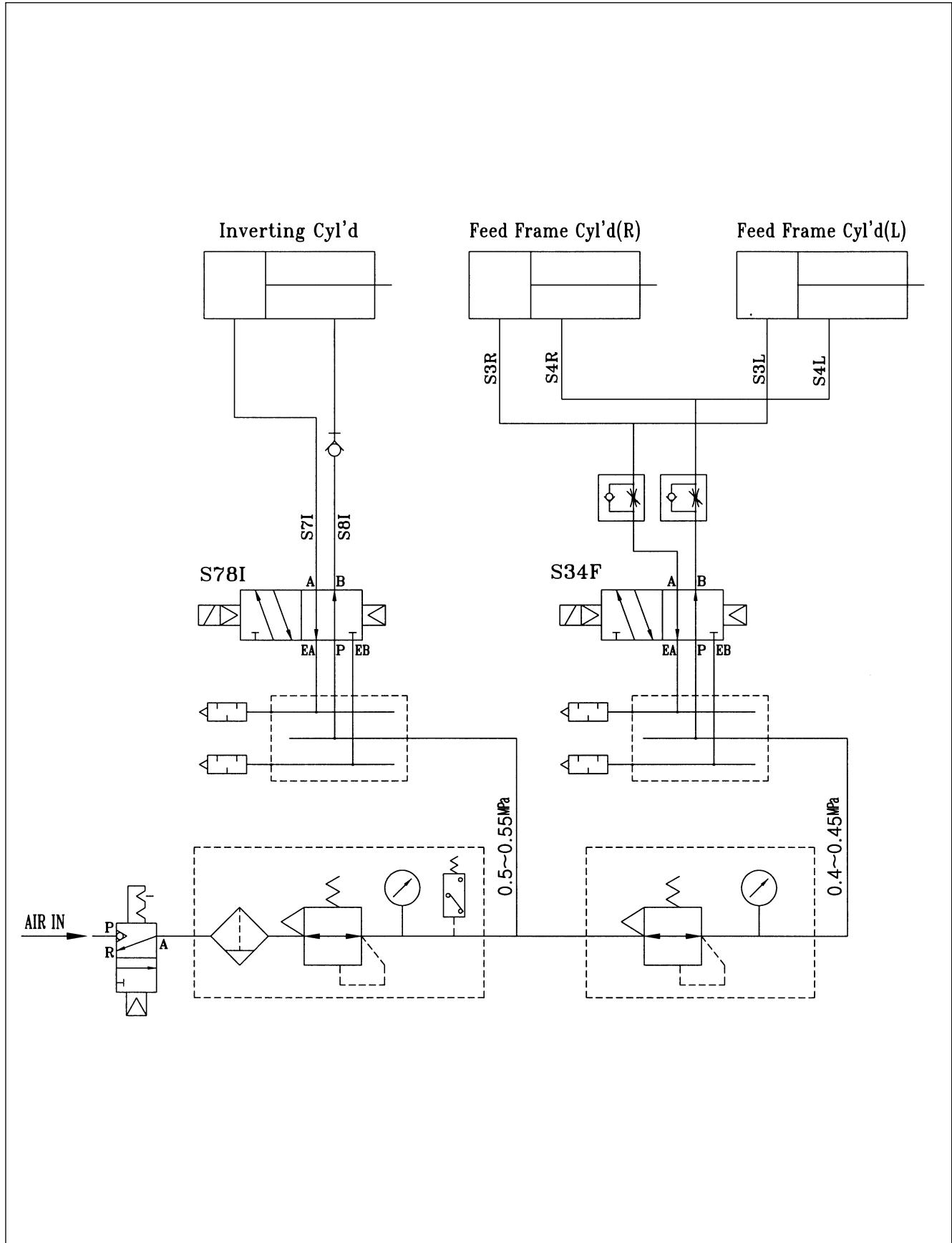
Attachments

1. Pneumatic circuit diagram for SPS/E-1507 series turnover device

1) SPS/E-1507-HS-10



2) SPS/E-1507-HS-20



3) SPS/E-1507-HS-23(SPS/E-1507-HS-22)

