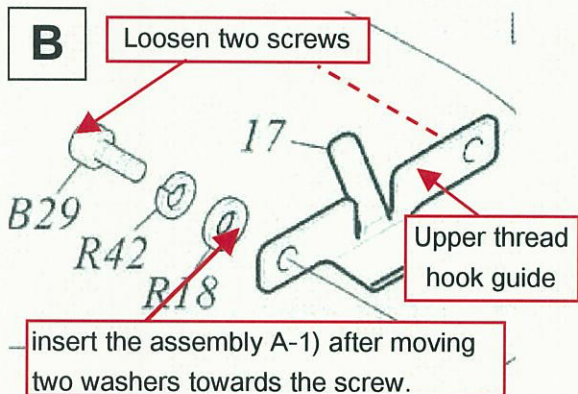


# How to assemble the Position Marker

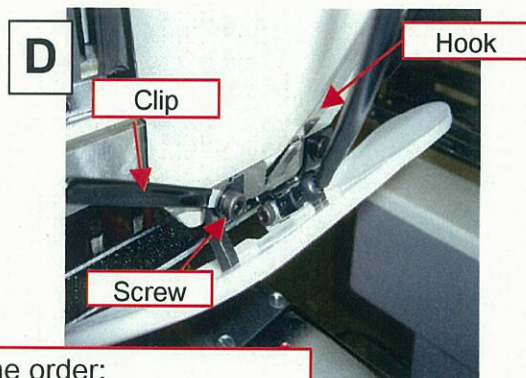
Before assemble the Position Marker, please make sure if the main program is Ver. 1.7.

## < Position marker set with cap frame guide >

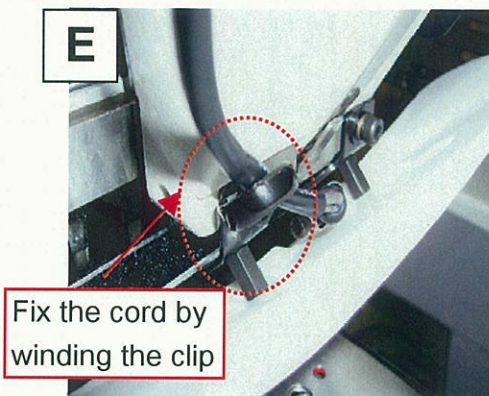
- 1 Assemble the parts (from #1-5 & 7-10), referring to the attached illustration A-1).
- 2 Loosen two screws fixing upper thread hook guide, referring to the below picture B and insert the assembly A-1) to the upper thread hook guide from bottom to top. Then tighten the two screws again. (Please refer to the below illustration C.)



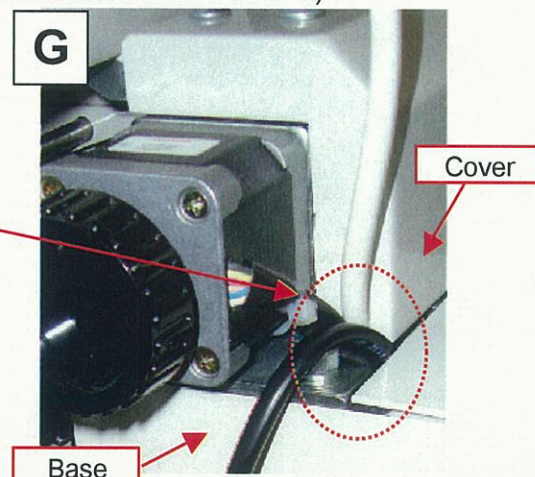
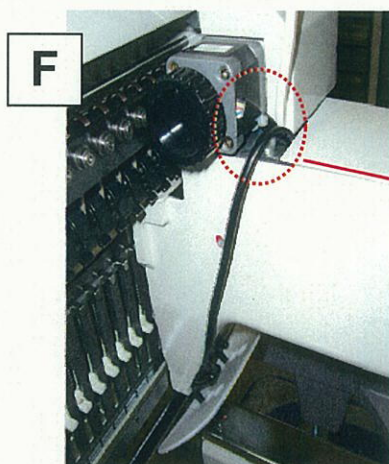
- 3 Remove the left screw of upper thread hook guide and insert the clip, referring to the below illustration D.  
And then fix the cord of position marker by winding the clip for avoiding not to touch the moving part of the hook. (Please refer to the below illustration E.)



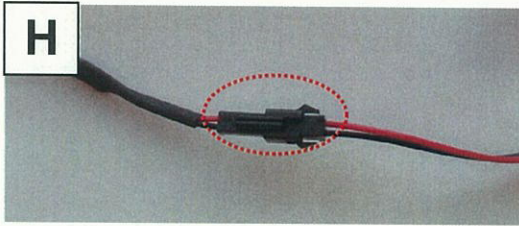
The order:  
screw → two washers → clip



- 4 Set the cord of the position marker into the gap between the base and the cover. (Please refer to the below illustration F and G)

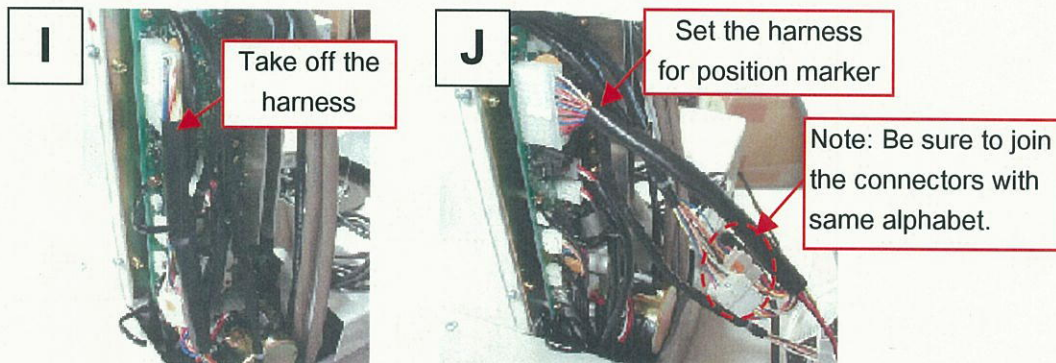


- 5 Remove the cover (see ref#7-25 in PARTS CATALOGUE for ESP9000), the thread stand plate (Ref#14-1) and the base (Ref# 15-2 and Ref#16-6). Set the cord of the position marker and join the connector of the position marker with the connector of the harness, referring to below illustration H.



- 6 Remove the harness settled in ESP9000 presently and change to the new harness for the position marker, referring to the below illustration I and J.

- 7 Join the connector C, J and H of the harness to the connector of the stepping motor harness referring to below illustration J.



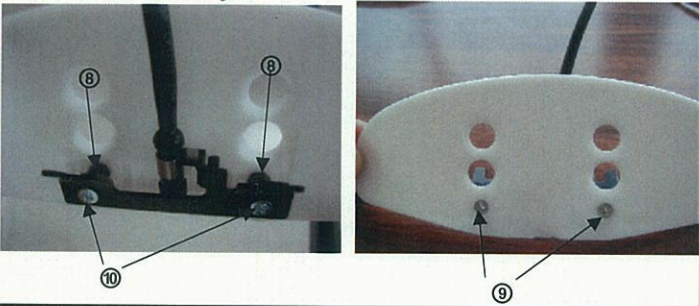
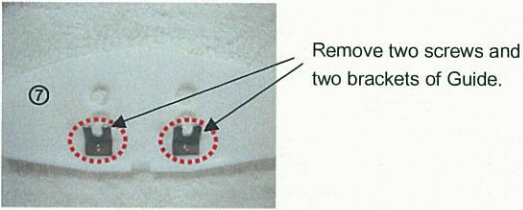
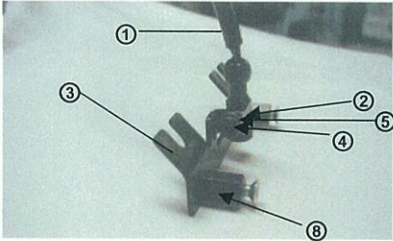
- 8 Put the cover (see ref#7-25 in PARTS CATALOGUE for ESP9000), the thread stand plate (Ref#14-1) and the base (Ref# 15-2 and Ref#16-6).

#### < Position marker set without cap frame guide >

- 1 Assemble the parts (from #1-5 ), referring to the attached illustration A-2).
- 2 Loosen two screws fixing upper thread hook guide and insert the assembly A-2) to the upper thread hook guide from bottom to top. Then tighten the two screws again.
- 3 ~ 8  
Same as the previous processes.

**A**

A-1) 9M0600100T00 Position marker set (with cap frame guide)		
Parts No.	Prts Name	Qty
① 0J7100200A00	Position marker	1
② 0L2300020000	Clip: Marker	1
③ 0L2300060000	Bracket: Marker	1
④ S120030301TN	Hexagon Socket Head Cap Screw M3x3	1
⑤ S301030601SD	Plain Washer M3x6x0.5t	1
⑥ H0S802300000	Harness:Puls motor harness:2	1
⑦ 0L2300070000	Guide: Cap frame: Marker	1
⑧ 0L2300080000	Stud: Marker	2
⑨ S150030502SD	Countersunk Head Screw : M 3 × 5	2
⑩ S150030602SD	Countersunk Head Screw : M 3 × 6	2
< Optional >		
⑪ 644500150000	Clip	1



A-2) 9M0600200T00 Position marker set (without cap frame guide)		
Parts No.	Prts Name	Qty
① 0J7100200A00	Position marker	1
② 0L2300020000	Clip: Marker	1
③ 0L2300060000	Bracket: Marker	1
④ S120030301TN	Hexagon Socket Head Cap Screw M3	1
⑤ WSP036005SD0	Plain Washer M3x6x0.5t	1
⑥ H0S802300000	Harness:Puls motor harness:2	1
< Optional >		
⑪ 644500150000	Clip	1

