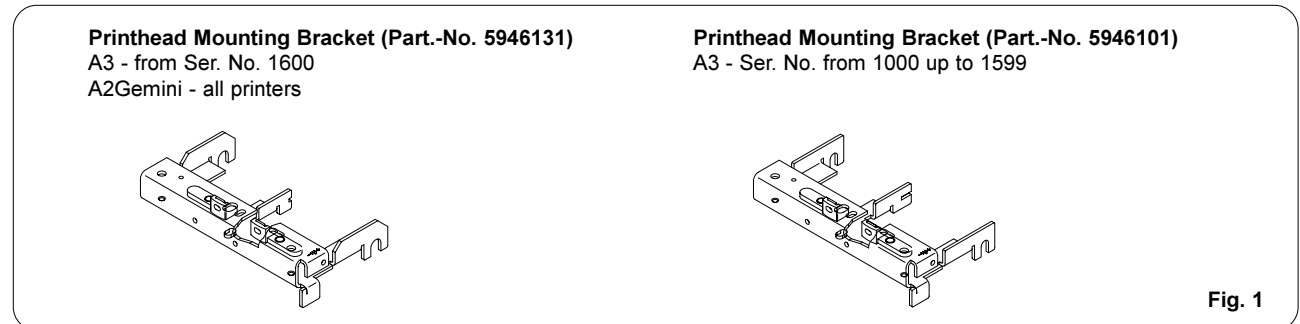


A-Series - Instructions for Replacing the Printhead Mounting Bracket

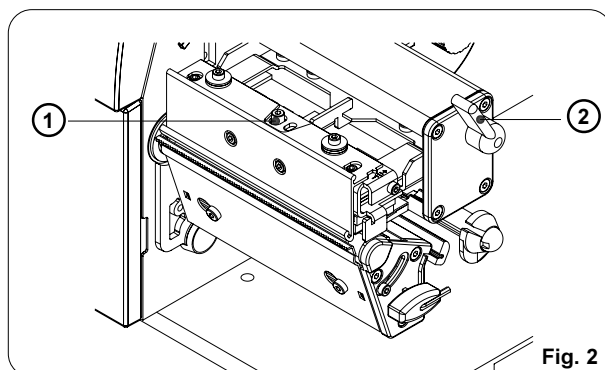
The replacement serves the purpose to use a printhead mounting bracket with exchangeable hinges for the printhead alignment.

This document describes the replacement for two versions of the printhead mounting bracket :



A) Removing the Printhead Carriage

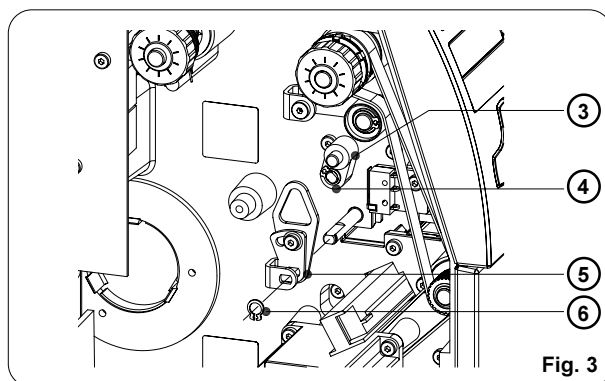
The removal of the printhead carriage must be done in the same manner for all printer versions :



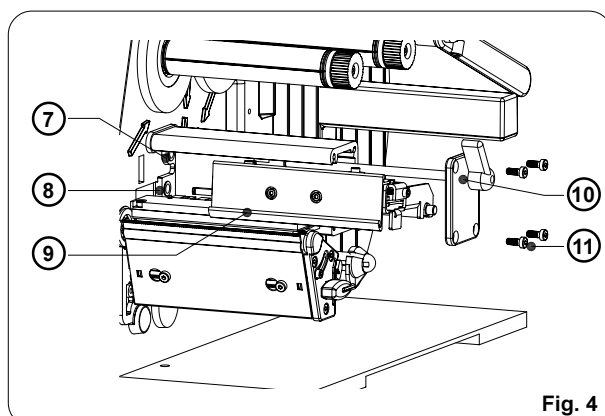
WARNING !

Unplug the power cord from the power source before starting.

1. Open the cover and remove the media from the printer.
2. Swing the lever (2) in the position shown in figure 2. In this position, the printhead assembly is unlocked but still lying on the print roller.
3. Loosen the printhead from the printhead carriage by turning the printhead locking screw (1) counter-clockwise.



4. Open the backside cover.
5. Remove the snap ring (6) and printhead lock/unlock plate (5).
6. Remove the snap ring (4) and swing arm plate (5).



7. Loosen the 4 screws (11) and remove the upper side plate (10) with shaft and lever (2).
Make sure that the plastic bushing (7) remains on the chassis or is re-inserted.
8. Lift the printhead carriage (9), so that the printhead will be released from the printhead carriage. Remove the printhead carriage.
Make sure that the bushing (8) remains on the chassis or is re-inserted.

B) Replacing the Printhead Mounting Bracket on A3 (from Ser.No. 1600) and A2Gemini

For instructions to replace the printhead mounting bracket on A3 for Serial No. from 1000 up to 1599 see chapter C).

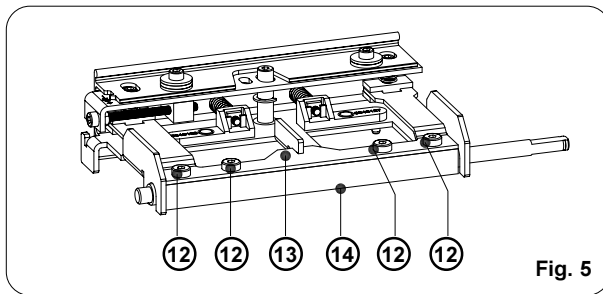


Fig. 5

9. Loosen the 4 screws (12) and remove the shaft (14) and the plate spring (13).

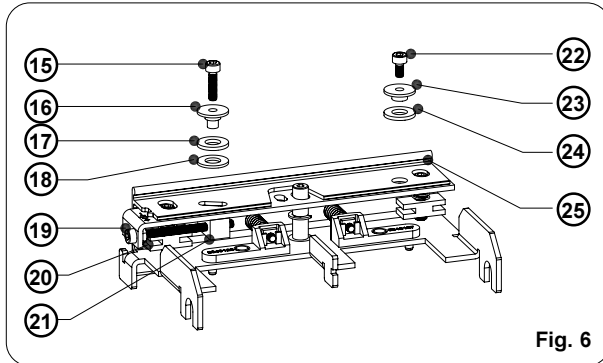


Fig. 6

10. Remove the screw (15) with bearing 2 (16), rubber washer (17) and washer (18). Put the parts down in order of their assembly.
11. Remove the screw (22) with bearing 1 (23) and rubber washer (24). Put the parts down in order of their assembly.
12. Remove the ribbon shield (25).
13. Hold the nut (20) tightly with a wrench and remove the screw (19) by turning it counter-clockwise. That way also the slide (21) and a washer located between printhead mounting bracket and nut (20) can be removed.

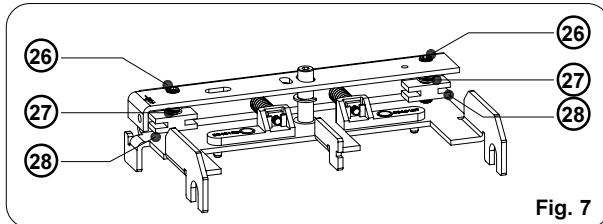


Fig. 7

14. Loosen the set screws (26) by turning them counter-clockwise and remove the springs (27) and the links (28).

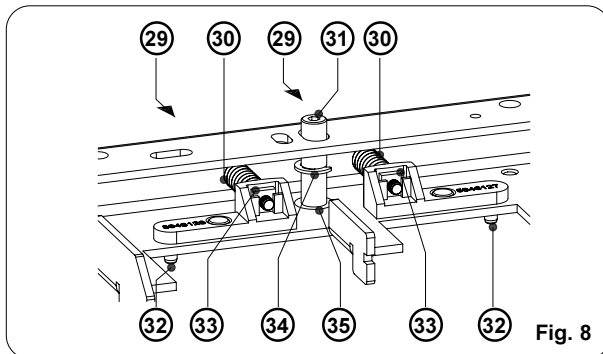


Fig. 8

15. Loosen the screws (29) and remove the square nuts (33) and the springs (30).
16. Remove the E-ring (34) from the printhead locking screw (31) using pliers. Remove the printhead locking screw and the washer (35).

**Now the dismantling is completed !
The assembly of the new printhead mounting bracket and the mounting of the printhead carriage must be done in reverse order.**

During reassembly please pay special attention to the following instructions :

17. When mounting screw (19), nut (20) with washer and slide (21) (see figure 6), tighten the nut as close as possible to the printhead mounting bracket without hindering the turning of the screw (20). This is necessary to minimize the clearance of the ribbon shield adjustment.
18. When mounting the ribbon shield (25) (see figure 6), make sure that the collar of bearing 2 (16) will be inserted in the elongated holes of ribbon shield and printhead mounting bracket, and the collar of bearing 1 (23) will be inserted in the hole of the ribbon shield. If all parts are mounted correctly, the ribbon shield can be shifted by turning the screw (19).
19. When mounting the shaft (14) (see figure 5) adjust the four-edged section of the shaft exactly to the shape of the plate spring (13).
20. Protect the printhead against damage by electrostatic discharge ! Put the printer on a grounded conductive surface ! Ground yourself during printhead replacement for example using a grounded wrist-strap ! Make sure the glass surface on the printhead is not touched by sharp objects or your hand!
21. During printhead mounting, make sure that the pins (32) are correctly inserted in the holes of the printhead and the printhead is completely secured in the printhead carriage. Otherwise the printhead carriage may be damaged !
22. After the assembly is completed adjust the printer following the instructions "Adjustment of the Print Mechanism A3".

C) Replacing the Printhead Mounting Bracket on A3 (Ser.No. from 1000 up to 1599)

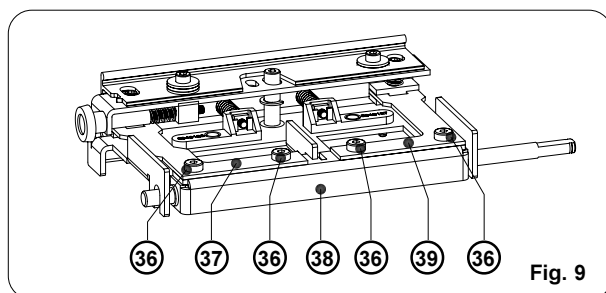


Fig. 9

23. Loosen the 4 screws (36) and remove the plate springs (37,39).
24. Move the L-bracket (38) to the left, until the slot in the middle of the L-bracket is aligned to the middle clasp of the printhead mounting bracket.
Now the L-bracket can be removed from the printhead mounting bracket by turning the L-bracket.

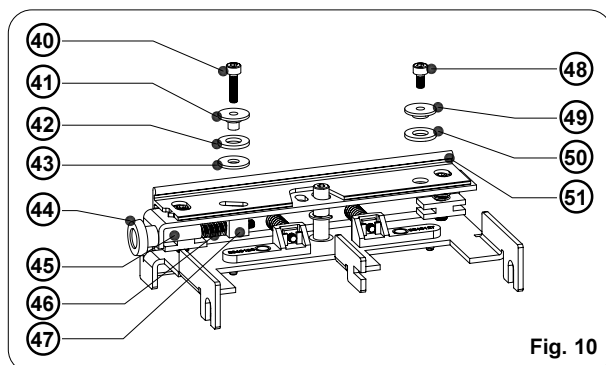


Fig. 10

25. Remove the screw (40) with bearing 2 (41), rubber washer (42) and washer (43).
Put the parts down in order of their assembly.
26. Remove the screw (48) with bearing 1 (49) and rubber washer (50).
Put the parts down in order of their assembly.
27. Remove the ribbon shield (51).
28. Remove the thumbscrew (44), the slide (47), the pipe (45) and the spring (46) by turning the thumbscrew counter-clockwise.

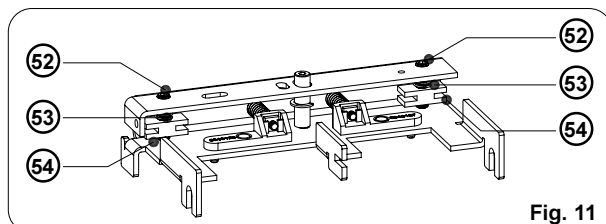


Fig. 11

29. Loosen the set screws (52) by turning them counter-clockwise and remove the springs (53) and the links (54).

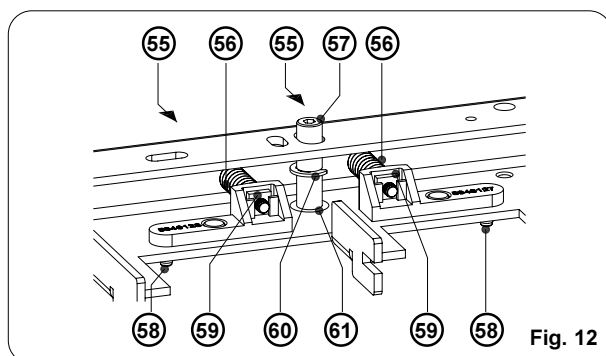


Fig. 12

30. Loosen the screws (55) and remove the square nuts (59) and the springs (56).
31. Remove the E-ring (60) from the printhead locking screw (57) using pliers. Remove the printhead locking screw and the washer (61).

**Now the dismantling is completed !
The assembly of the new printhead mounting bracket and the mounting of the printhead carriage must be done in reverse order.**

During reassembly please pay special attention to the following instructions :

32. When mounting the ribbon shield (51) (see figure 10), make sure that the collar of bearing 2 (41) will be inserted in the elongated holes of ribbon shield and printhead mounting bracket, and the collar of bearing 1 (49) will be inserted in the hole of the ribbon shield. If all parts are mounted correctly, the ribbon shield can be shifted by turning the thumbscrew (44).
33. Protect the printhead against damage by electrostatic discharge ! Put the printer on a grounded conductive surface ! Ground yourself during printhead replacement for example using a grounded wrist-strap ! Make sure the glass surface on the printhead is not touched by sharp objects or your hand!
34. During printhead mounting, make sure that the pins (58) are correctly inserted in the holes of the printhead and the printhead is completely secured in the printhead carriage. Otherwise the printhead carriage may be damaged !
35. After the assembly is completed adjust the printer following the instructions "Adjustment of the Print Mechanism A3".