HP9125A Servo Backplane

- Acm
- Acf
- N/C
- End
- Drive
- Fb

- Standby
- Limit
- End
- End
- Slide
- Dac
- Zero+
- Zero-
- Sw-
- Sw+

Both Servo PCBs have same pinout

Diagram Notes

1. PCB pins drawn thus: \( N \) -
   \( N \) = pin number (see chassis wiring diagram)
   \( oc \) = PCB marking (generally wire color code)

2. Unmarked PNP transistors: 1853-0203
   Unmarked NPN transistors: 1854-0354
1) Biphasic rectifier

2) Bridge rectifier

3) Voltage multiplier

HP9125A Platen PSU Possible Diagrams
HP 9125A

To Dismantle X-Motor

1) Remove motor from instrument. It is not necessary to desolder leads.
2) Remove mounting plate (part 25 in Fig 4-1 in 9125B service manual) (2 screws)
3) Unhook brush springs from terminals, rotate to free lower end, and remove
4) Pull brush from commutator
5) Mark magnet and brush holder to ensure correct reassembly
6) Remove through-bolts
7) Remove brush holder and rear flange
8) Remove field magnet, fit keeper (see below)
9) Remove pulley using pulley tool
10) Remove front end housing, recover bearing shims.
11) Remove front bearing (by hand)

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Mild Steel (or soft iron)

Field magnet keeper
### NP9125A

**X Motor Armature**

![Motor Armature Diagram](image)

- **40 Turns**
- **Wire:** \( \varphi = 0.006" \approx 0.15 \text{mm} \)
- **38swg**

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<thead>
<tr>
<th>Coil</th>
<th>Segments</th>
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<tbody>
<tr>
<td>1</td>
<td>3 6 3 6</td>
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<tr>
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<td>4 7 4 7</td>
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<td>1 4 1 4</td>
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<td>7</td>
<td>2 5 2 5</td>
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*Span 3 slots*