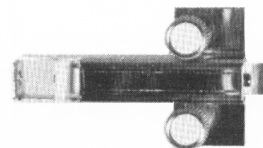
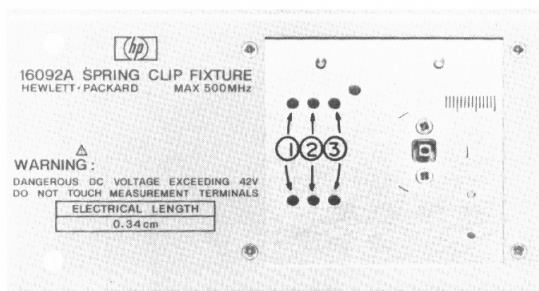


DUT CONNECTION – WITH 16092A

The 16092A Spring Clip Test Fixture provides a convenient capability for easily connecting and disconnecting samples and has a broad useable frequency operating range up to 500 MHz. Two types of spring contact assemblies (furnished) permit selecting the fixture configuration appropriate to the shape of the sample. The slide clip contact assembly is designed specifically for holding lead-less chip components. The twin clip contact assembly is suited for measuring general radial lead components and axial short lead components. Its ground contact, which is slidable on the fixture deck, permits proper adjustment of the distance between sample lead contacts. The contact distance can be gauged with the 1 mm pitch scale on the deck (maximum measurable device dimension = 13 mm). Appropriate sample connection procedures are outlined below:

Chip components

- 1) Rotate the 4191A UNKNOWN connector coupling nut counter-clockwise until the coupling sleeve screw is at its innermost free position.
 - 2) Couple the connector coupling screw on the underside of the 16092A test fixture deck to the 4191A UNKNOWN connector, and set the test fixture mounting posts of the 4191A into the twin holes at the corners of the deck.
 - 3) Rotate the UNKNOWN connector coupling nut counter-clockwise until it is firm.
 - 4) Attach the slide clip contact assembly to the test fixture deck (①, ② or ③) with the captive screws provided (see illustration below).
Use deck positioning holes appropriate to size of sample to be measured.
 - 5) Securely attach the contact assembly to the deck with the two captive knob screws.
 - 6) Pull spring slide contact back and clip in sample.
- Note: Set electrical length input data to 0.34 cm.*



Slide clip contact assembly

Figure 3-6. DUT Connection (Sheet 3 of 7).

DUT CONNECTION

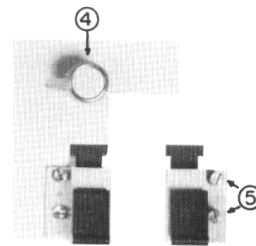
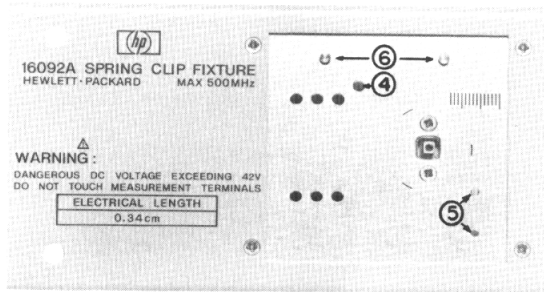
– WITH 16092A

Short lead radial and axial lead components

- 1) Perform steps 1, 2 and 3 of the above procedure to install the 16092A test fixture deck to the 4191A.
- 2) Attach single clip module of the twin clip contact assembly to the test fixture deck with its two retaining screws (screw into deck positioning holes ⑤ – see illustration).
- 3) Attach ground contact slide module of the twin clip contact assembly so that its slide guide mounts on the two guide posts ⑥ of the deck.

- 4) Fasten contact module on the deck with its knob screw and leave screw loose.
- 5) Set an appropriate contact distance and tighten contact module to deck with its knob screw.
- 6) Press spring clip lever down and clip in sample.

Note: Set electrical length input data to 0.34 cm.



Twin clip contact assembly

Model 16092A Residual Parameters

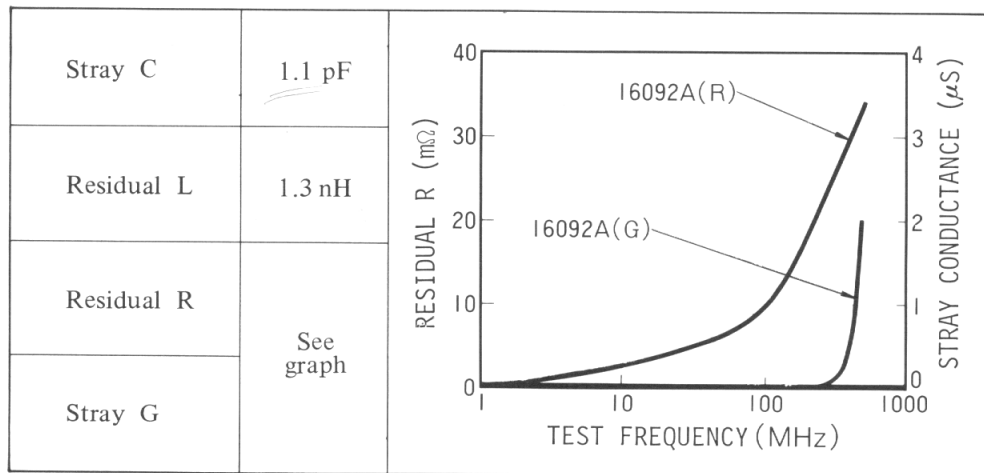


Figure 3-6. DUT Connection (Sheet 4 of 7).