



# Installing a LAN Interface Card

The LAN kit provides communications between an external computer and a 6850 Gas Chromatograph, a 6890 Gas Chromatograph, or a 35900E Dual Channel Interface.

One version of the kit contains the LAN card, cable, and documentation. Another version also includes the parts needed to install an MIO support bracket in a 6890 Gas Chromatograph.

## Tools required

Flat-blade screwdriver

Posi-drive screwdriver

T-10 and T-20 Torx™ screwdrivers

Electrostatic discharge (ESD) grounding wrist strap

## Safety information

Before continuing, read the safety information in your 6850 Gas Chromatograph, 6890 Gas Chromatograph, or 35900E Dual Channel Interface documentation.

## Installing the LAN card

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**WARNING**

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Before proceeding, turn off the main power switch and unplug the power cord.

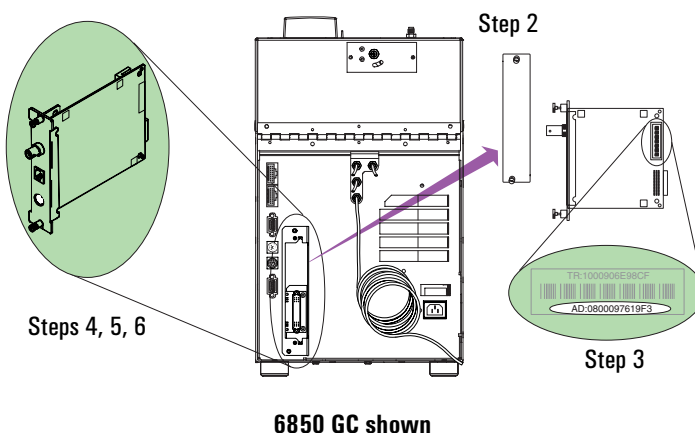
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**Caution**

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Wear an ESD strap when handling the card. Handle it only by the metal face plate.

1. The MIO slot is on the left side of the 6850 and 6890 GC rear panels. It is in the upper right corner of the 35900E rear panel.
2. If the slot has a metal cover plate or contains another card, loosen the screws and remove it. (If this is a 6890 GC and the slot is covered by plastic, see the next section on “Installing an MIO support bracket in a 6890 GC”.)



3. Record the card number. It may be needed to set up network addresses.
4. Insert the card in the slot with the round connector at the top (6850 and 6890) or at the right (35900E). Be sure the card enters both guide rails.
5. Press the card firmly into the connector at the rear of the slot. When the card is properly seated, its face plate will be flush with the rear panel.
6. Secure the card by alternately tightening the screws at the ends of the plate.

## Installing an MIO support bracket in a 6890 GC

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**WARNING**

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Before proceeding, turn off the main power switch and unplug the power cord.

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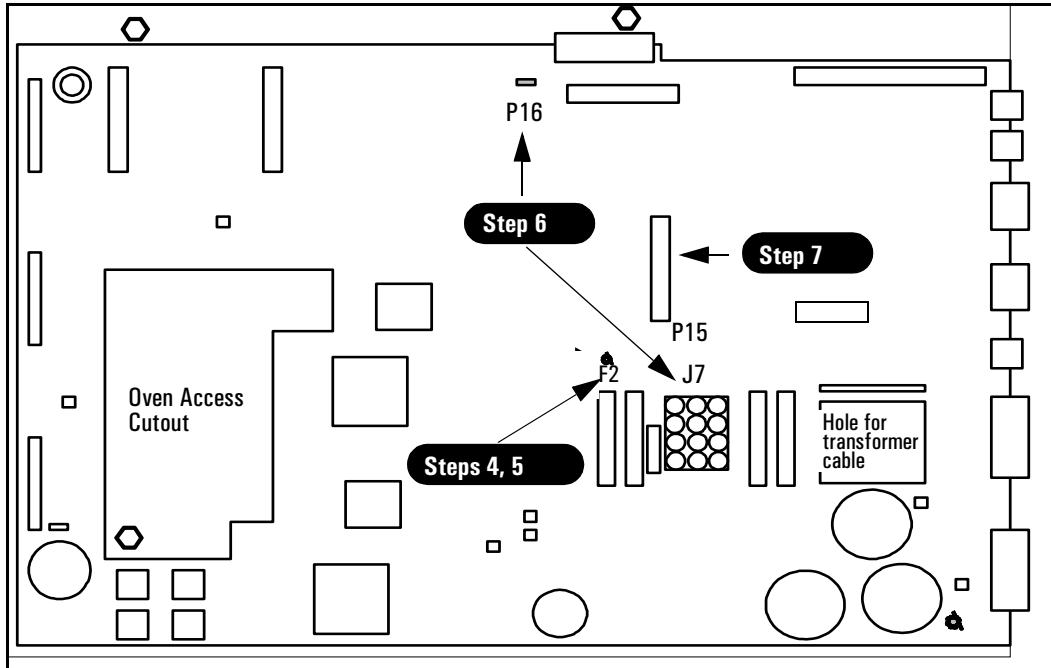
**Caution**

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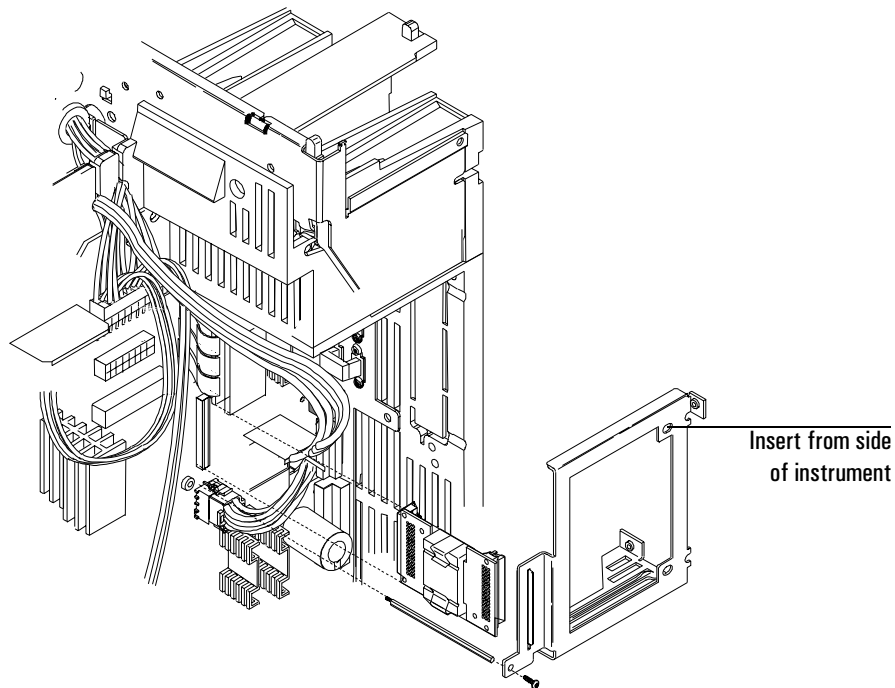
Wear an ESD strap when handling the card. Handle it only by the metal face plate.

Some 6890 GCs do not have an MIO support bracket installed. The slot location is covered by a plastic plate. Install the support bracket as follows:

1. Remove the plastic covering by cutting in four places.
2. Loosen the two screws at the top of the right side cover. Slide the cover to the rear and remove it.
3. Remove the electronics top cover.
4. Remove the Torx T-10 screw located over the F2 fuse on the main board.

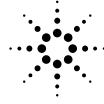


5. Screw the long metal standoff into the hole vacated by the T-10 screw. Use a nut driver to tighten the standoff 1/8 turn past finger-tight.
6. Route the oven sensor wires (from P16) and the main power wire harness (from J7) underneath the standoff.
7. Plug the MIO connector assembly into the P15 socket on the main board. Make sure the connector on the connector assembly points toward the back of the GC.
8. From the side of the GC, insert the MIO bracket so that it captures the end of the connector assembly.



9. Position the bracket so that the hole is aligned with the standoff. Use the screw you removed earlier to attach the bracket to the standoff. Do not tighten this screw.
10. From the back of the instrument, secure the bracket with three T-20 screws, starting with the bottom right screw. Now tighten the screw in the standoff.

11. Install the LAN card as described in the preceding section.
12. Replace all panels and restore power.



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