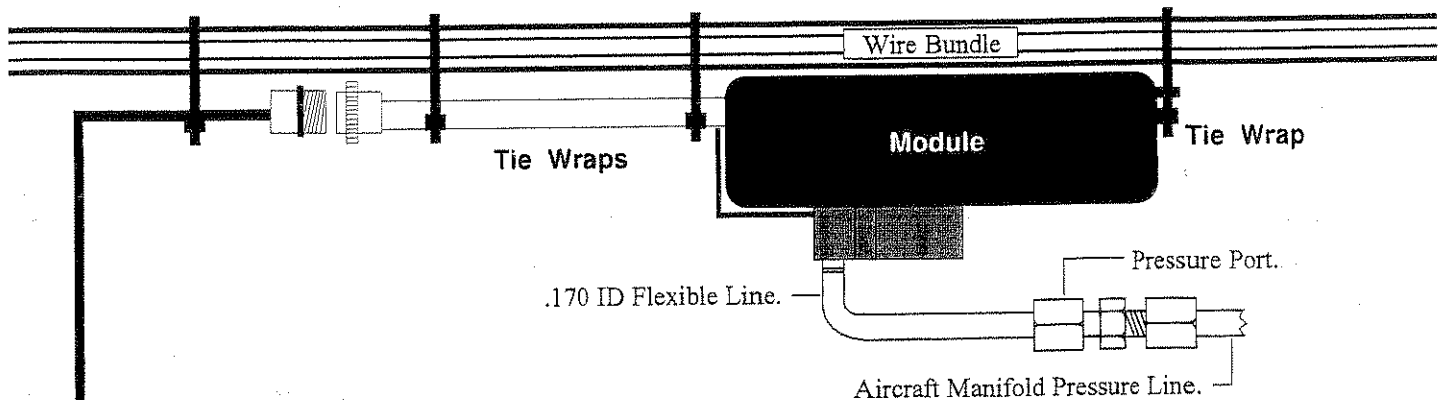


# Manifold Pressure Functional Module (FM-MP) Installation Instructions and Wiring Diagram

1110981

II 1119981 Supplement (UBG-16)  
II 0506931 Supplement (FP-5(L))

11/10/98



- 3' Red (pin 1) Power Lead, connects to 12 or 24-Volt Main or Radio Bus via 1 to 5 amp fuse.
- 3' Black (pin 2) Ground Lead, connects to Ground.
- 3' Wht/Yel (pin 4) Signal Out, connects to "Yel" on the UBG-16 or W/Yel on FP-5(L)
- 3' Wht/Red (pin 5) Signal Ground, connects to "Red" on the UBG-16 or W/Red on FP-5(L)

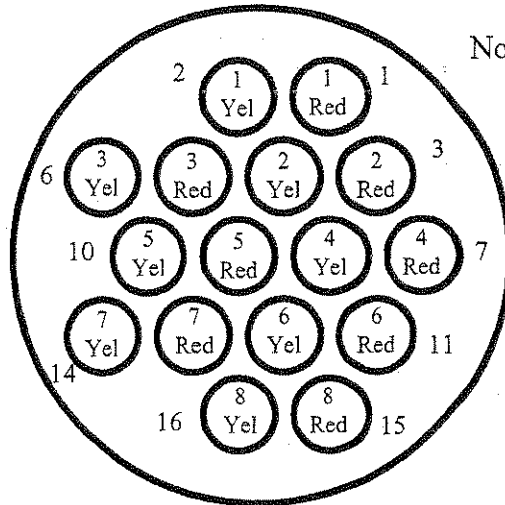
## 1. Mount the Module and Connect the 9-Pin Wire Harness:

Connect the 9 Pin Wire Harness to the

5. Route the Signal Out and Ground Wires to the UBG-16:

Route the White/Yellow wire to the appropriate left or right channel marked "Yel" on the UBG-16. Route and connect the White/Red wire to the appropriate channel marked "Red" on the UBG-16. Tie wrap all wires so they do not obstruct the freedom of travel of any controls.

UBG Extension Cable Harness (Left or Right)  
Back View (wire side)

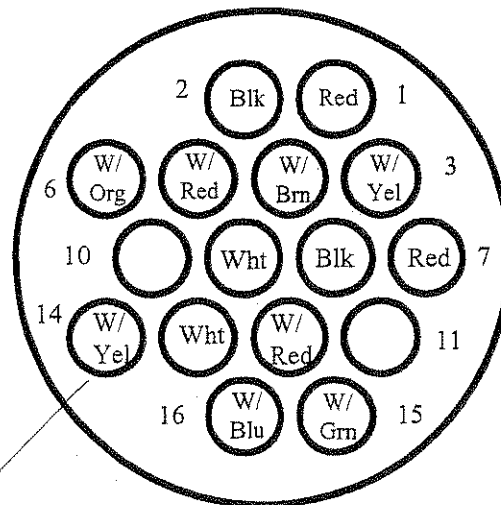


Note: 1 Red = Channel #1 Red wire (Gnd)  
1 Yel = Channel #1 Yel wire (Signal)

6. Route the Signal Out and Ground Wires to the FP-5(L):

Route and connect the White/Yellow wire to pin 14 on the FP-5(L) connector. Route and connect the White/Red wire to pin 12 on the FP-5(L) connector. Tie wrap all wires so they do not obstruct the freedom of travel of any controls.

FP-5(L) Extension Cable Harness, Back View (wire side)



12 through 14 connects to a Functional Module

## Specifications and Operating Features

### Model:

FM-MP (Manifold Pressure Functional Module)

### Case Dimensions:

3" x 2" x 1"

### Weight:

Module Only: 2.8 Oz.

### Environmental:

Meets TSO C45.

### Power Requirements:

7.5 to 35 Volts, 1/10 Amp.

### Accuracy:

2% or better in accordance with TSO C45.

### Resolution:

.1 in Hg.

### Max Range:

60 in Hg.

### Pressure Port:

1/4" male flare union mounted on a .170" flexible tube.