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

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

11/10/98

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

- **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)
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.