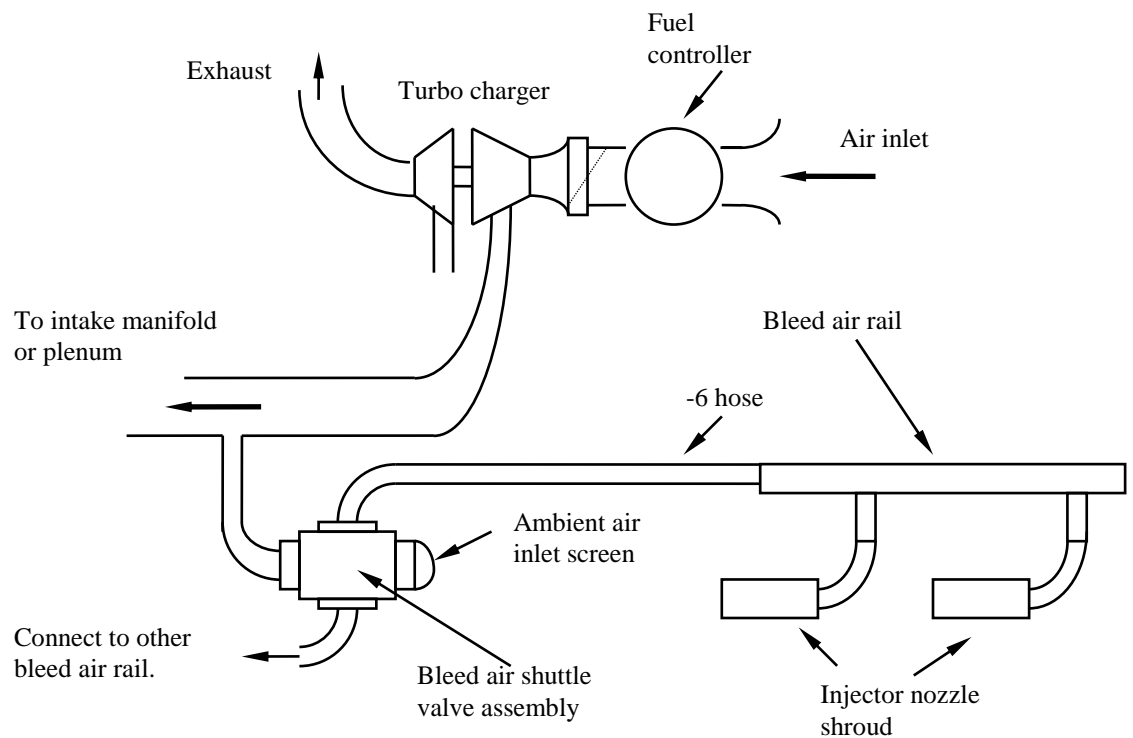


BLEED AIR SHUTTLE VALVE

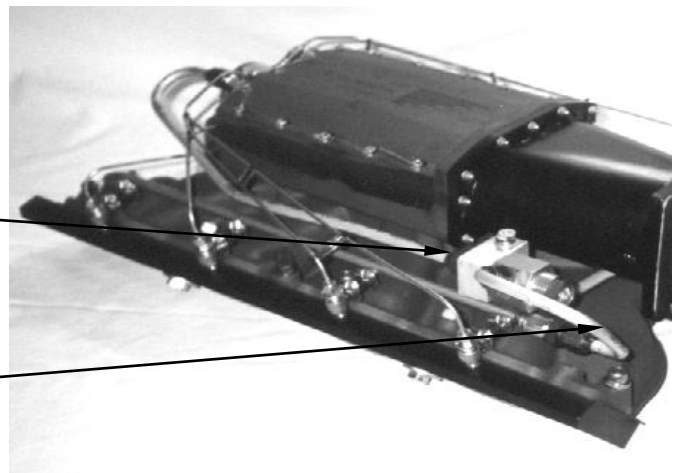
For turbo or supercharged installations where the manifold pressure will exceed 31" MAP, the fuel controller must be mounted on the inlet side of the compressor. With the inlet throttled, the nozzles must be vented to atmosphere when the throttle is at idle or the manifold pressure is below ambient and when boost is made the nozzles must be vented to compressor discharge pressure. The bleed air shuttle valve accomplishes this task. The schematic below shows the hook up in the system for a 'draw through' system.



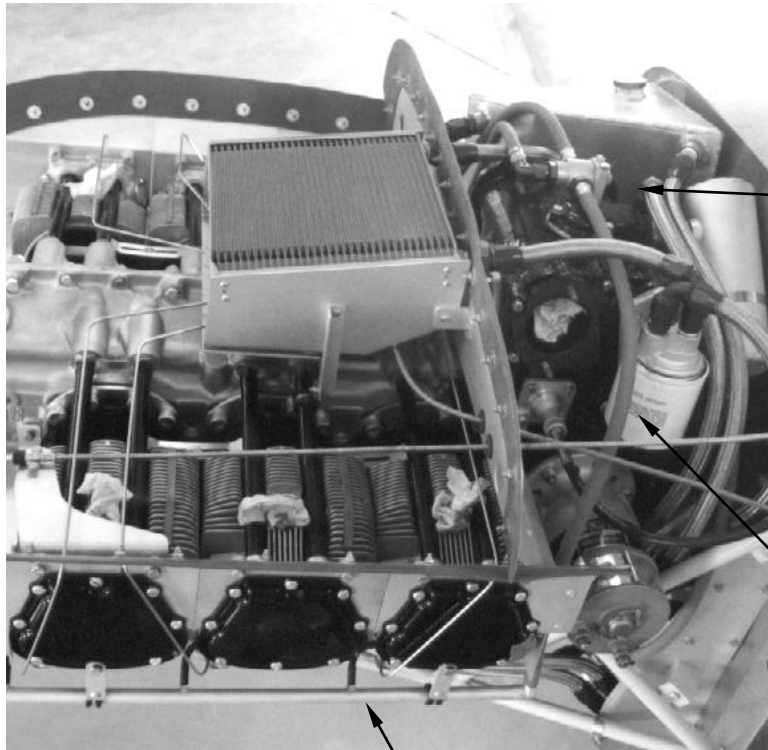
Bleed air shuttle valve assembly plumbed for a supercharged V-8 installation.

Manifold pressure connection for shuttle valve.

Bleed air rail connection from shuttle valve



APPENDIX G (Continued)



Bleed air shuttle
valve installation
on Lycoming
IGSO 480.

Bleed air
shuttle valve.

Valve assy. should
be mounted
horizontal as
shown or with the
ambient air screen
up (preferred).

Shuttle valve hose
to bleed air rail.

Nozzle bleed air rail