



P. O. BOX 3090 ALBANY, GEORGIA USA 31708-5201
PHONE (912) 883-1440 TELEX 547629 FAX (912) 439-9790

FAA Approved

Restricted Category

AIRPLANE FLIGHT MANUAL SUPPLEMENT

FOR OPTIONAL AUXILIARY WING FUEL SYSTEM

AYRES MODELS

S2R-T65 DUAL COCKPIT

This supplement must be attached to the FAA approved Airplane Flight Manual when the airplane is operated with the optional auxiliary wing fuel system. The information contained herein supplements or supercedes the basic manual only in the areas listed herein. For limitations procedures and performance information not contained in this supplement, consult the basic Airplane Flight Manual.

FAA Approved by Christina L. Marsh
Acting Manager
Atlanta ACO

Date of Approval APR 6 1994

Registration Number _____

Manufacturer's Serial Number _____



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LOG OF REVISIONS

RESTRICTED CATEGORY
FLIGHT MANUAL SUPPLEMENT
FOR OPTIONAL AUXILIARY WING
FUEL SYSTEM

Revision Number	Page	Description of Revision	FAA Approved



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**SECTION I
LIMITATIONS**

Placards

A. Located on cockpit wall:

This airplane must be operated as a restricted category airplane in accordance with the operating limitations stated in the form of placards and the airplane flight manual. No acrobatic maneuvers, including spins, approved. Design maneuvering speed - 126 mph. Max flap down speed - 123 mph. Max crosswing velocity landing - 15 mph. Main tank usable capacity - 114 gals each side. Aux tank usable capacity - 34 gals each side.

B. Located adjacent to fuel selector valve:

Aux fuel is limited to cruise flight conditions, except during emergency. Electric boost pump and ignition switch must be turned on prior to switching tanks.

C. At both auxiliary fuel tanks:

Fuel - 35 gals. cap. Jet A, Jet B, JP-4, JP-5



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**SECTION II
NORMAL PROCEDURES**

VISUAL INSPECTION

In addition to items listed in the basic AFM:

Auxiliary fuel quantity - Check visually and secure each cap (2)

Auxiliary fuel sump drain - Drain one (1) each wing

BEFORE STARTING ENGINE

Fuel valve - On main tank

BEFORE TAKEOFF

Fuel valve - On main tank

CRUISE

- A. Aux fuel is limited to cruise flight conditions, except during emergency.
- B. Electric boost pump and ignition switch must be turned on prior to switching tanks.

CAUTION

Do not run either the main or aux tanks dry. Doing so will cause a fuel starvation to the engine and subsequent engine flame-out.

GLIDE AND APPROACH

Fuel valve - On main tank



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**SECTION III
EMERGENCY PROCEDURES**

NO CHANGE

**SECTION IV
PERFORMANCE**

NO CHANGE