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LOUIS SCHREINER FIELD KERRVILLE, TEXAS 78028

**FAA APPROVED
AIRPLANE FLIGHT MANUAL SUPPLEMENT
FOR
MOONEY M20K - S/N 25- 2000 AND ON
MOONEY M20M - S/N 27- 0001 AND ON
MOONEY M20R - S/N 29- 0001 AND ON
MOONEY M20S - S/N 30- 0001 AND ON
MOONEY M20TN - S/N 31- 0001 AND ON
MOONEY M20U - S/N 32- 0001 AND ON
MOONEY M20V - S/N 33- 0001 AND ON**

**WITH
AMSAFE, Inc. INFLATABLE RESTRAINT [AAIR]
V23 SYSTEM INSTALLED**

MODEL NO. _____

REG. NO. _____

SERIAL NO. _____

This supplement must be inserted into the applicable Pilot's Operating Handbook and FAA- Approved Airplane Flight Manual [POH/AFM] when the AMSAFE Aviation Inflatable Restraint (AAIR) System, V23 Version is installed in accordance with Mooney Drawing No. 140345.

The information contained herein supplements or supersedes the basic manual only in those areas listed herein. For limitations, procedures, and performance information not contained in this supplement, consult the basic POH/AFM. The pilot should become thoroughly familiar with this Supplemental Data as well as the Manufacturer's Pilot Handbook for this equipment, as applicable.

FAA APPROVED: _____

Mr. Jim Grigg
Manager, Aircraft Certification Office
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10101 Hillwood Parkway
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SUPP0003B



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SECTION I - GENERAL

No change in SECTION I.



SECTION II - OPERATING LIMITATIONS

A Child Safety Seat shall not be used with the AAIR System, V23 in the front seat (co-pilot) position. A Child Safety Seat may be used in the back seat positions only by attaching the Child Safety Seat with an auxiliary child seat buckle. **The standard inflatable restraint buckle cannot be used to secure a Child Safety Seat.**

The Auxiliary Child Seat Buckle adapter (P/N 7037-3-011-2396 (LH) and 7037-3-021-2396 (RH)) secures a Child Safety Seat to either left or right positions of the Rear Seat for all models (see warning label below). Typically, it attaches to the seatbelt attachment point by a clip when needed and removed when not needed. This Auxiliary Child Seat Buckle attaches to the Airbag Belt portion of the Seatbelt Airbag Assembly (see diagram).

When these adapters are used in conjunction with a Child Safety Seat, the airbag portion of the seat belt restraint system will be deactivated.

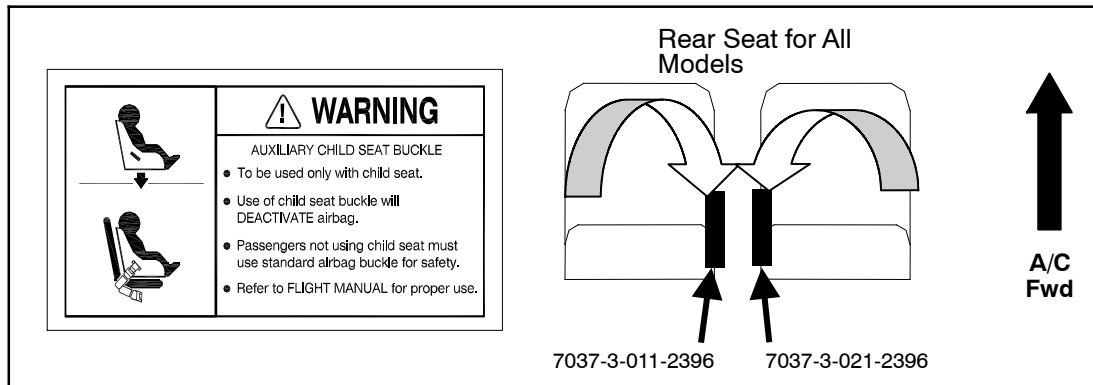


FIGURE 1-1



SECTION III - EMERGENCY PROCEDURES

No change in SECTION III.

SECTION IV - NORMAL PROCEDURES

To activate the system, join (buckle) the three-point restraint in the same manner as any other three-point seat belt. **An empty co-pilot or passenger seat must not be buckled.**

SECTION V - PERFORMANCE

No change in SECTION V.

SECTION VI - WEIGHT AND BALANCE

For complete information of the AAIR V23 System effect on weight and balance loading to the aircraft, please refer to Mooney International Corporation's Weight and Balance Information Report, as indicated below:

Model M20K: 20K-9

Model M20M: 20M-9

Model M20R: 20R-9

Model M20S: 20S-9

Model M20TN: 20TN-9

Model M20U: 20U-9

Model M20V: 20V-9

The addition of the AAIR System to each seat position has no effect on the CG or weight and balance of the aforementioned aircraft.

SECTION VII - SYSTEM DESCRIPTIONS

The AAIR V23 is a self-contained, modular, three-point restraint system that improves protection from serious head impact injury during a survivable aircraft crash by inclusion of an inflatable airbag to the lap belt portion of the three point restraint.

The AAIR V23 system is activated when the buckle's are joined [buckled] together at each seat location.

SECTION VIII – HANDLING AND SERVICING

No change SECTION VIII.

SECTION IX – SUPPLEMENTAL DATA

Add this supplement to this Section.

SECTION X – SAFETY TIPS

No change SECTION X.

