

RAM

AIRCRAFT CORPORATION

AIRPLANE SUPPLEMENTAL FLIGHT MANUAL

FOR

LANDPLANE OR FLOATPLANE

CESSNA MODELS 172I, 172K, 172L, AND 172M

WITH

LYCOMING O-320-D2J OR O-320-E2D (AS MODIFIED PER STC SE3692SW)

MODEL NUMBER _____

REGISTRATION NUMBER _____

SERIAL NUMBER _____

This Supplemental Flight Manual is F. A. A. approved material and must be in the airplane for all operations when Lycoming O-320-D2J or O-320-E2D (as modified per STC SE3692SW) engine is installed in accordance with STC SA2375SW. The information contained herein supplements or supersedes the information in the form of placards, markings, and manual material. For limitations, procedures and performance information not contained in this Supplemental Flight Manual consult the basic airplane placards, markings and manual material.

F. A. A. APPROVED:

[Signature]

for Larry Andriessen, Manager
Aircraft Certification Division
Southwest Region
FEDERAL AVIATION ADMINISTRATION
Southwest Region
Fort Worth, Texas 76101

AUG 27 1987

Date: _____

STC No. SA2375SW

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CESSNA 172I, 172K, 172L, AND 172M

SUPPLEMENTAL FLIGHT MANUAL

I. GENERAL

- 1. ENGINE Lycoming O-320-D2J Or Lycoming O-320-E2D
(As Modified Per STC SE3692SW)
- 2. FUEL 100/130 Minimum Octane
- 3. PROPELLER McCauley 1C160/CTM7557
Or
McCauley 1C160/DTM7557
- PROPELLER (Seaplane Only) McCauley 1A175/ETM8042
Or
McCauley 1A175/ATM8042

II. LIMITATIONS

- 1. ENGINE LIMITS Maximum Continuous: 150 HP - 2650 RPM
Take-Off (5 Minutes): 160 HP - 2700 RPM
- 2. PROPELLER LIMITS Static RPM at maximum throttle setting:
Not over 2420, not under 2300
Diameter: Maximum 75.0 inches
Minimum 74.0 inches
- 3. PROPELLER LIMITS (Seaplane Only) Static RPM at maximum throttle setting:
Not over 2570, not under 2470
Diameter: Maximum 80.0 inches
Minimum 78.5 inches
- 4. ENGINE INSTRUMENT Tachometer:
MARKINGS Green Arc 2200 - 2650 RPM
Yellow Arc 2650 - 2700 RPM
Redline 2700 RPM
- Oil Pressure:
Redline 25 PSI
Green Arc 60-90 PSI
Redline 100 PSI
- Cylinder Head Temperature (If Installed):
Green Arc 225 - 425 F.
Redline 500 F.

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CESSNA 172I, 172K, 172L, AND 172M
SUPPLEMENTAL FLIGHT MANUAL

III.-----PROCEDURES

No Change

IV.-----PERFORMANCE

The performance of this airplane equipped with a Lycoming 0-320-D2J or 0-320-E2D (as modified per STC SE3692SW) engine is equal to or better than the original F. A. A. approved performance

AUG 27 1987

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STC No. SA2375SH

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N12874
1973 Cessna 172M
S/N: 17262333

August 14, 2008
Tach: 1241.0

Previous Empty Weight	1435.0 lbs.
Previous Arm	38.7 in.
Previous Moment	55504.6 lbs.

Removed Kelly Aerospace Starter	-14 @ -20arm
Installed Skytec Starter	+9.4 @ -20 arm
Total weight change	-4.6 @ -20 arm

New Empty Weight	1430.6 lbs.
New Useful Load	869.6 lbs
New E.W.C.G.	38.82 inches

Mechanic: *[Signature]* A+P 2857101 JA
Date: 08/14/08

Muncie Aviation Company

Weight & Balance Form List

Form Number: N12874
 Type/Model: Cessna 172M
 Year: 1973
 Serial Number: 17262333

Date: 09-18-2006
 Tach: 770.9
 Max Weight: 2300
 Work Order: T8323

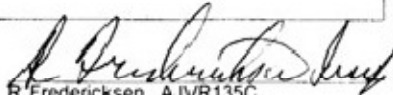
New A/C Empty Weight: 1435.0 Landing C.G. Range:
 New A/C Empty C.G.: 38.7 Gear Extended C.G. Range:
 New A/C Useful Load: 865.0 Empty Weight C.G. Range:

Weight & Balance Calculation	Tare	Weight	Arm	Moment
Scale locations				
Right Main	0.0	593.00	58.20	34512.6
Left Main	0.0	604.00	58.20	35152.8
Nose	0.0	466.00	-6.80	-3168.8
Unusable Fuel	0.0	24.00	46.00	1104.0
Minus Fluids				
Forward Tanks	xxxxxxx	-252.00	48.00	-12096.0
New Aircraft Values		1435.0	38.7	55504.6

Equipment	Serial	Weight	Arm	Moment	Equipment	Serial	Weight	Arm	Moment

Equipment weights above are included in New A/C Empty Weight

Muncie Aviation
Company an employee owned company


 R. Fredericksen, AJVR135C

Delaware County Airport / P.O. Box 1169 / Muncie, Indiana 47308 / (765) 289-7141
 E-Mail: info@muncieaviation.com / Website: www.muncieaviation.com