

AIRPLANE FLIGHT MANUAL SUPPLEMENT

No. 1177

FOR THE CESSNA MODEL 172N

MODIFIED IN ACCORDANCE WITH STC SA2375SW

SERIAL NO:

REGISTRATION NO:

This supplement is FAA approved and must be attached to the FAA-approved Airplane Flight Manual when the aircraft has been modified in accordance with STC SA2375SW. The information contained in this document supplements or supersedes the Airplane Flight Manual only in those areas listed herein. For limitations, procedures, and performance not contained in this supplement, consult the Airplane Flight Manual.

This supplement corresponds to Cessna Model 172N airplanes equipped with Textron (Lycoming) O-320-D2G engine, D2J engine or O-320-E2D engine (as modified by RAM Aircraft Limited Partnership STC SE3692SW) in accordance with STC SA2375SW.

FAA Approved: _____

FOR: Manager, Southwest Flight Test Section, AIR-713
Federal Aviation Administration
Fort Worth, TX

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LOG OF REVISIONS

Revision	Pages Affected	Description	Approval Date
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SECTION 1 GENERAL

ELIGIBILITY

This supplement corresponds to Cessna Model 172N airplanes equipped with a Textron Lycoming O-320-D2G engine, or O-320-D2J engine, or O-320-E2D engine (as modified by RAM Aircraft Limited Partnership STC SE3692SW) in accordance with STC SA2375SW.

ENGINE

Engine Manufacturer: Textron (Lycoming)

Model Number: O-320-D2G engine – or – O-320-D2J engine – or – O-320-E2D engine (as modified by RAM Aircraft Limited Partnership STC SE3692SW)

PROPELLER

Landplane: McCauley 1C160/CTM7557 -or-
McCauley 1C160/DTM7557 -or-

Seaplane only: McCauley 1A175/ETM8042
McCauley 1A175/ATM8042

OIL

Oil Capacity:

Sump: 7 Quarts

Total: 8 Quarts

SECTION 2 LIMITATIONS

ENGINE LIMITATIONS

Engine Operating Limits for Takeoff and Continuous Operations:
Maximum Engine Speed

PROPELLER LIMITATIONS

Landplane: Static RPM at maximum throttle setting:
Not over 2420, Not under 2300
Diameter: Maximum 75.0 inches
 Minimum 84.0 inches

Seaplane only: McCauley 1A175/ETM8042
Not over 2570, Not under 2470
Diameter: Maximum 80.0 inches
 Minimum 78.5 inches

REQUIRED PLACARDS

On oil filler cap

OIL 7 QTS

SECTION 4 NORMAL PROCEDURES

CHECKLIST PROCEDURES

PRE-FLIGHT INSPECTION

5. NOSE

1. Engine Oil Dipstick/Filler Cap - - CHECK oil level, then check dipstick/filler cap SECURE. Do not operate with less than five quarts. Fill to seven quarts for extended flight.

SECTION 7 AIRPLANE & SYSTEMS DESCRIPTIONS

ENGINE

The engine is a Textron Lycoming Model O-320-D2G engine, O-320-D2J engine, or O-320-E2D engine (as modified by RAM Aircraft Limited Partnership STC SE3692SW) in accordance with STC SA2375SW.

ENGINE OIL SYSTEM

The capacity of the engine sump is seven quarts. (One additional quart is contained in the full flow oil filter. The engine should not be operated on less than five quarts of oil. For extended flight, fill to seven quarts (dipstick indication only).

SECTION 8 HANDLING, SERVICE, & MAINTENANCE

SERVICING

ENGINE OIL

CAPACITY OF ENGINE SUMP - - 7 Quarts

Do not operate on less than 5 quarts. To minimize loss of oil through breather, fill to 6 quart level for normal flights of less than 3 hours. For extended flight, fill to 7 quarts. These quantities refer to oil dipstick level readings. During oil and filter changes, one additional quart is required.