
**SUPPLEMENT NO. 4 TO THE
AIRPLANE FLIGHT MANUAL
FOR THE AIRPLANE
DV 20**

OPERATION IN RUSSIA

Date of Issue: 20 May 1997

Pages identified by "ACG-appr." in the List of Effective Pages are approved by:

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Date of Approval:

15. Juli 1997

This Airplane must be operated in compliance with the information and limitations contained herein.

Prior to operating the Airplane, the Pilot must take notice of all the information contained in this Airplane Flight Manual.

0.1 RECORD OF REVISIONS

Revision Number	Section	Pages	Date of Revision	Remarks of Approval	Date of ACG Approval	Date Inserted	Initials / Signature

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SECTION 1

GENERAL

1.1 INTRODUCTION

Pages 9-4-1 through 9-4-15 constitute Supplement No. 4 to the Airplane Flight Manual for the Airplane DV 20 and are valid only for the operation of the Airplane in Russia.

Operation of the Airplane in Russia requires the Pilot to take notice of specific limitations and information. These are given in this Supplement.

1.2 CERTIFICATION BASIS

The DV 20 is certified in Russia in accordance with JAR-VLA.

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SECTION 2

OPERATING LIMITATIONS

2.14 OTHER LIMITATIONS

Temperature range

The Airplane may only be operated in the following temperature range:

Minimum take-off temperature: - 25 °C OAT (on the ground)

Maximum take-off temperature: + 38 °C OAT (on the ground)

Headwind and tailwind

Take-off and landing with headwind exceeding 20 meters per second are prohibited.

Take-off and landing with tailwind are prohibited.

Runways and taxiways

The use of unpaved runways and taxiways with a strength below 7 kg/cm² is prohibited.

CAUTION

Operation of the Airplane from snowed unpaved airfields as well as from paved runways covered with snow, slush or water is prohibited.

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2.15 LIMITATION PLACARDS

- (a) At the top of the left instrument panel, the placard shown in the main part of the Airplane Flight Manual is replaced by the following placard:

Maneuvering speed: $v_A = 193$ km/h

This airplane is classified as a very light airplane approved for day VFR only, in non-icing conditions. All aerobatic maneuvers including intentional spinning are prohibited. See Flight Manual for other limitations.

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SECTION 3

EMERGENCY PROCEDURES

3.1 INTRODUCTION

The emergency procedures remain unchanged.

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SECTION 4

NORMAL OPERATING PROCEDURES

4.4 NORMAL OPERATION CHECKLIST

4.4.6 Before Take-off

The checklist in the main part of the Airplane Flight Manual is replaced by the following checklist:

- | | | |
|-----|-------------------------------|----------------------------------------------------------------------------------------|
| 1. | Parking Brake | set |
| 2. | Safety Harnesses | fastened |
| 3. | Canopy | closed and locked |
| 4. | Fuel Shut-off Valve | check, OPEN |
| 5. | Powerplant Instruments | within green range |
| 6. | Fuel Quantity Indicator | check |
| 7. | Wing Flaps | T/O |
| 8. | Trim | NEUTRAL |
| 9. | Controls | free |
| 10. | Throttle | 1700 RPM |
| 11. | Propeller Speed Control Lever | Pull completely 3 times
(RPM drop: 200-300 RPM) |
| 12. | Ignition Switch | L
R
BOTH
(Max RPM drop: 150 RPM
Max RPM difference L/R: 50 RPM) |
| 13. | Throttle | 1500 RPM |
| 14. | Carburetor Heat | OFF - ON
RPM drop: 30 RPM
leave ON if OAT is 5 °C or below
turn OFF otherwise |
| 15. | Throttle | FULL for 5 sec., back to IDLE;
check RPM
(2450 RPM \pm 100 RPM) |
| 16. | Parking Brake | release |

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4.17 WINTERIZATION KIT

In case of operation of the Airplane at low outside air temperatures (below 0 °C on the ground), the DAI winterization kit must be used to ensure higher oil temperatures for better vaporization of the water in the oil. Refer to Supplement No. 5 to this Airplane Flight Manual.

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SECTION 5

PERFORMANCE

5.1 INTRODUCTION

The performance data remains unchanged.

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SECTION 6

MASS (WEIGHT) AND BALANCE / EQUIPMENT LIST

6.1 INTRODUCTION

The mass and balance data remain unchanged.

6.9 EQUIPMENT LIST

Equipment required for operation in Russia

The flight instruments listed in the Equipment List in the main part of the Airplane Flight Manual must be calibrated in metric units.

Operation in Russia requires the following additional equipment:

- 1 Attitude Gyro
- 1 Direction Gyro
- 1 COM radio
- 1 ADF
- 1 ELT

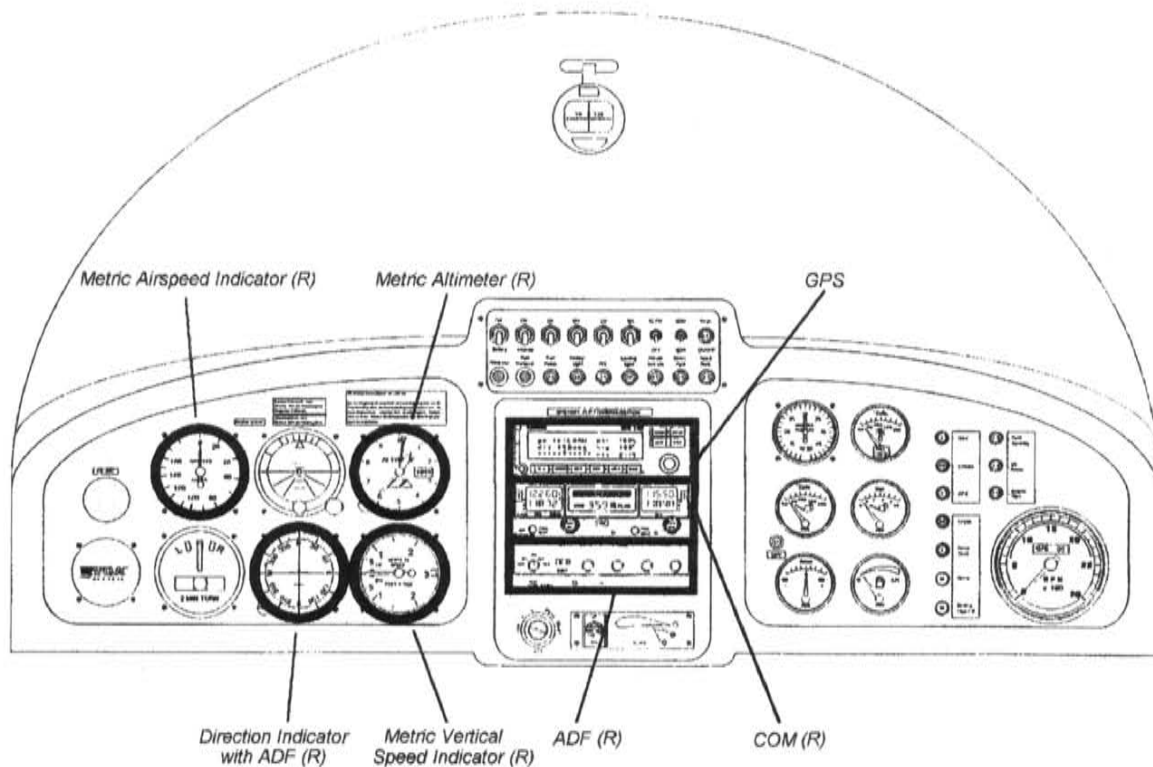
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SECTION 7

AIRPLANE AND SYSTEMS DESCRIPTION

7.8 COCKPIT

Cockpit layout for operation in Russia



(R) required for operation in Russia

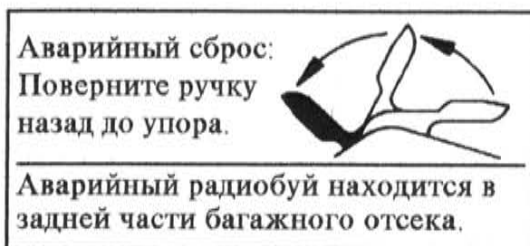
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Placards

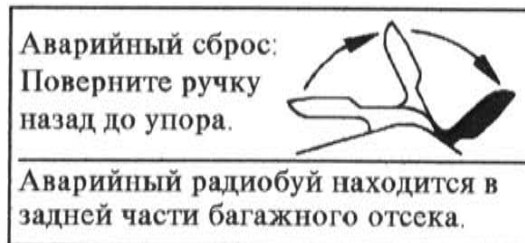
The placards remain unchanged except for one limitations placard (see Section 2.15) and the following:

(a) On the canopy frame:

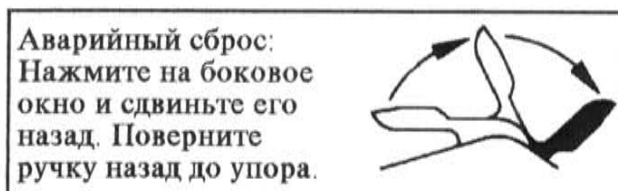
inside, left:



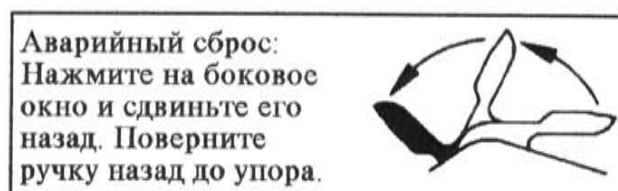
inside, right:



visible from outside, left:



visible from outside, right:



(b) The following additional placard must be attached where it is well visible for both Pilots:

mm Hg	mbar	mm Hg	mbar
525	700	710	947
550	733	720	960
575	767	730	973
600	800	740	987
625	833	750	1000
650	867	755	1007
660	880	760	1013
670	893	765	1020
680	907	770	1027
690	920	775	1033
700	933	780	1040

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SECTION 8

AIRPLANE HANDLING, CARE AND MAINTENANCE

8.2 AIRPLANE INSPECTION PERIODS

At every scheduled inspection, the vent bore in the fuel tank filler must be checked for blockage.

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