



**SAF-AIR PRODUCTS, INC.
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August 26, 2002

MANAGER, CHICAGO AIRCRAFT CERTIFICATION OFFICE ACE-115C
FEDERAL AVIATION ADMINISTRATION
2300 EAST DEVON AVE.
DES PLAINES, IL 60018

DEAR: MR. CHUNG-DER YOUNG

SUBJECT: OIL DRAIN VALVES

INSTRUCTIONS FOR INSTALLING AN OIL DRAIN VALVE

AUGUST 26, 2002

REV: NONE

INSTALLATION INSTRUCTIONS:

1. RUN ENGINE UNTIL OIL IS AT OPERATING TEMPERATURE. THEN SHUT OFF ENGINE BEFORE DRAINING THE ENGINE OIL.
2. REMOVE OLD DRAIN PLUG OR DRAIN VALVE AND DRAIN ALL THE OIL.
3. CLEAN THE AREA WHERE THE NEW DRAIN VALVE WILL BE INSTALLED.
4. INSTALL THE NEW OIL DRAIN VALVE.
5. SAFETY WIRE THE OIL DRAIN VALVE IN PLACE.
6. RECHECK TO ENSURE THAT NOTHING COMES IN CONTACT WITH THE OIL VALVE , ESPECIALLY IN FLIGHT.
7. FILL ENGINE WITH FRESH OIL AND RUN ENGINE TO OPERATING TEMPERATURE AND CHECK FOR LEAKS. THEN SHUT OFF ENGINE.
8. CYCLE THE OIL DRAIN VALVE 2-3 TIMES TO MAKE SURE IT IS WORKING PROPERLY AND REFILL ENGINE TO PROPER OIL LEVEL.
9. ALWAYS REMOVE YOUR DRAIN HOSE AND STORE IT UNTIL YOUR NEXT OIL CHANGE.

INSTALLATION WARNINGS:

1. NEVER FLY THE AIRCRAFT WITH THE DRAIN HOSE ATTACHED TO THE OIL DRAIN VALVE.
2. MAKE SURE THAT THE LANDING GEAR WILL NOT ACTIVATE THE OIL DRAIN VALVE WHEN YOU RETRACT THE GEAR INSIDE THE FUSELAGE.
3. REMEMBER, THE VALVE MAY FIT YOUR ENGINE, BUT IT IS YOUR RESPONSIBILITY TO MAKE SURE THAT THE VALVE WILL WORK WITH YOUR APPLICATION.

MAINTENANCE:

OVER TIME IF THE VALVE SHOULD START TO LEAK, CHECK TO MAKE SURE THE DRAIN VALVE IS TIGHT. IF THE VALVE IS FOUND TO BE TIGHT, THEN CHECK THE O-RINGS. THE VALVE IS DESIGNED TO BE DISASSEMBLED AND THE O-RINGS REPLACED.

OVERHAUL:

SAF-AIR IS NOT IN THE OVERHAUL BUSINESS.

SINCERELY,

Robert J. Lescoe
ROBERT J. LESCOE
VICE-PRESIDENT

FAA
APPROVED
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