

Complying with AD 99-24-10 OR 2005-11-05

Who is affected by the AD's?

AD 99-24-10 affects the **SVS III** systems (manual system with cable). These were manufactured from around 1987 through 1999.

AD 2005-11-05 affects **SVS 1** (automatic system) and **SVS 1A** (manual system with twist valve in cockpit). These were manufactured from around 1981 through 1986 or 1987.

SVS V is not affected by any Airworthiness Directives.

How to tell which system you have.

The SVS 1 has no manual control such as a cable or twist valve. It usually does not have a low vacuum warning light although some do.

The SVS 1A has a manual valve in the cockpit that activates the system. It may or may not have a low vacuum warning light.

The SVS III has a manual valve attached to the shuttle valve in the engine compartment. The manual valve is controlled with a cable from the cockpit.

The SVS V is identical to the SVS III but has a revised Approved Flight Manual Supplement (dated 2/4/00) and a revised Installation Report #08072 (dated 12/22/99). These systems have been sold since 2000 but many SVS III have been upgraded to the SVS V.

How to comply with AD 99-24-10.

For SVS III systems the easiest way to comply is with the Alternative Method of Compliance (AMOC). This action will eliminate the AD by upgrading to the SVS V.

To obtain this upgrade you will need to know the serial number of your system. This can be found in the aircraft records or on the serial number placard on the shuttle valve. If your shuttle valve is S/N 10243 and subsequent, simply download the AFMS, Installation Report 08072 and AMOC Approval found at www.thevacsource.com/pdfs.php. Then make a log book entry stating that the system was upgraded to an SVS V per AMOC Approval.

If the serial number is 10242 and previous you will need to purchase the SVS V upgrade kit. This kit consists of a new style shuttle valve, connectors, adhesive, AFMS, Installation Report 08072 and AMOC Approval. A new flight test and 337

should be completed and a log book entry noting the upgrade from the SVS III to the SVS V.

How to comply with AD 2005-11-05.

For **SVS 1** systems, the most cost effective method of complying with the AD is to replace the automatic system with a new SVS V manual system. There is no way for the automatic system to comply with the AD without first converting it to a manual system. Since these are nearly 25 years old we suggest replacing all the components. Call the Vacuum Source for an AD discount.

For **SVS 1A** systems, ensure the shuttle valve serial number is higher than 10242. Otherwise order the SVS VI upgrade kit. This will replace the shuttle valve, Approved Flight Manual Supplement and Installation Report. If the system was converted to the manual cable system, the order the SVS V upgrade kit.

Remember – The SVS V is not affected by any Airworthiness Directives.