

CHALLENGER INSTALLATION INSTRUCTIONS #0402
Issue Date: May 5, 2010, Revision O

A. Filter (without frame)

1. Remove existing air filter element and discard per the Aircraft Manufacturer's Instructions.
2. Inspect and clean the Air Transfer Ducts and Air Box. Repair or replace all damaged items before installing the new air filter element.
3. Apply a thin layer of Challenger Filter Grease #CP99-0704 on both the top and bottom of the filter's black sealing surfaces.
4. Install new filter in existing air filter box per the Aircraft Manufacturer's Instructions.
5. Apply Service Decal, Part Number (P/N) #CP-0710 to the filter air box cover.

Note: Piper air box lids may need a cover gasket CP-2702(round) or CP-2102(oval) to seat the lid securely.

B. Air Filter Assembly (with frame)

1. Remove and discard the existing air filter framed assembly from the air box per the Aircraft Manufacturer's Instructions
2. Inspect and clean the Air Transfer Ducts and Air Box. Repair or replace all damaged items before installing the new air filter assembly.
3. Mount the Challenger air filter framed assembly to the existing air box with the air flow arrow on service decal P/N #CP-0711 pointing toward the engine.
 - a. Do not use Challenger Filter Grease #CP99-0704 with this type framed filter.

Servicing: Challenger's cleaning instructions **must be followed** carefully for maximum air filter life. Air filter must be cleaned every 100 hours or every 12 months (whichever occurs first) or sooner if the aircraft is operated in extremely dusty conditions. The air filter **must** be replaced after **25 cleanings or sooner** if any deterioration or damage is found during inspections using Challenger Cleaning Instructions #4003 and the Aircraft Manufacturer's Maintenance Manuals.