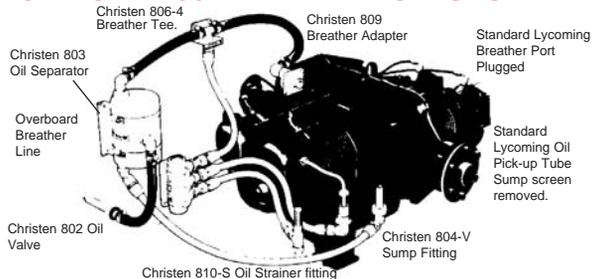


OIL SYSTEMS

CHRISTEN 801 INVERTED OIL SYSTEM



This accessory kit for Lycoming engines provides normal engine lubrication with minimal oil loss during aerobatic flight. It functions as a self-contained extension of the normal engine oil and breather systems. Can be installed in a few hours without engine disassembly.

Part No.	Description	Price
801-4	For four-cylinder engines. Includes 802 Oil Valve (with plug wrench and plugs for unused ports), 803 Oil Separator, 806-4 Breather Tee, and product manual which provides detailed instructions for application. Weight: 4.75 lb. installed.	.
801-6	For six-cylinder engines. Same as 801-4 Kit, but is supplied with 806-6 Breather Tee. Weight: 4.75 lb. installed.	.
811-V	For vertical-screen sump engines. Includes 810-S Oil Strainer Fitting, 810-R Oil Return Fitting, 804-V Sump Fitting (vertical type) with crush gasket and MS20822-10D elbow. Weight: 0.50 lb. installed.	.
811-A	For horizontal-screen sump engines. Includes 810-S Oil Strainer Fitting, 810-R Oil Return Fitting, 805 Sump Plug with insertion tool, 804-A Sump Fitting (angular 360° swivel-type) with crush gasket and wrench for swivel clamping screw. Weight: 0.36 lb. installed.	.
811-S	For horizontal-screen sump engines. Includes 810-S Oil Strainer Fitting, 810-R Oil Return Fitting, 805 Sump Plug with insertion tool, 804-S Sump Fitting (straight-type) with crush gasket. Weight: 0.33 lb. installed.	.
809-K	For engines with forward breather ports such as the O-235 and O-290 models. Includes 809 Breather Adapter with gasket, AN842-12D hose elbow, and MS20913-6D plug for forward breather port. Weight: 0.53 lb. installed.	.
812-2	For addition of oil ports to engine sumps. Includes two 812 Weld Bosses and quantity of 5% silicon-aluminum welding rod (type 4043). Weight: 0.12 lb. installed.	.
812-1	Same as 812-2 Kit, except with only one 812 Weld Boss for addition of single sump port. Weight: 0.06 lb. installed.	.
813-4	Stainless steel spring wire. Installed inside breather hose to permit relatively sharp bends without collapsing or kinking. 10 x 47/64". Weight: 0.12 lb. installed.	.
813-6	Stainless steel spring wire. Installed inside breather hose to permit relatively sharp bends without collapsing or kinking. 10 x 63/64". Weight: 0.12 lb. installed.	.
807-4	All hoses and fittings required for deluxe show-plane quality installation on four-cylinder engines. Includes Aeroquip braided stainless steel hose for oil lines, MIL-H-8000 rubber-fabric hose for breather lines, thin abrasive cut-off wheel for professional-quality hose cuts, AN and MS fittings (blue anodized), Aeroquip hose end fittings (blue and red anodized), and miniature stainless steel hose clamps. All materials are factory new; no surplus. Weight Excluding Hose: 1.53 lb. installed.	.

10-page detailed manual - describes system operation & procedure for selecting proper components for each engine model.

P/N 05-20600 ea.

CHRISTEN OIL VALVE

Multiple port gravity operated ball valve. It is cast aluminum with textured white epoxy enamel finish and all internal steel parts are cadmium plated. Normally installed on firewall or on engine mount. Designed for fittings to be installed either at side or front or both. Requires 3 AN816-10D nipples for hose connection. Wt. 1.75 lbs. installed. P/N 08-06745

CHRISTEN OIL SEPARATOR

Features welded aluminum construction with a textured white epoxy enamel finish. All internal parts are cadmium plated, and unit includes stainless steel positioning clamps. Normally installed on fire wall or on engine mount. Requires 2 AN842-12D or -16D hose elbows and one AN823-10D hose fitting. Wt. 2.8 lbs. installed. Applicable to all Lycoming engine applications. Used to replace a worn out or broken oil separator on Christen 801-4 systems only. P/N 08-06740

AERO CONVERSIONS OIL SEPARATOR

The AeroConversions Oil Separator is a high-quality welded and powder-coated aluminum assembly designed to save oil vs. direct overboard crankcase breathers in normal flight operations. In addition, the AeroConversions Oil Separator features an extra-high-volume design offering enhanced inverted flight performance in entry-level aerobatic aircraft, allowing oil to be retained and returned to the engine during short-duration inverted and limited negative G maneuvers. The AeroConversions Oil Separator's angled design makes it a perfect fit for Sonex Aircraft angled firewalls, while retaining compatibility with traditional vertical firewall installations in other aircraft. The AeroConversions Oil Separator ships with comprehensive installation instructions suitable for a wide-range of engine installations. P/N 08-07107

RAVEN WELD BOSS KITS

These kits for sump mods come with fittings and welding rod. Aluminum Sumps (most 4 cyl) One boss... P/N 08-00789
Two boss... P/N 08-00790
Magnesium Sumps (most 6 cyl.) One boss... P/N 08-00791
Two boss... P/N 08-00792

RAVEN KNIFE EDGE MODIFICATION KITS

Horizontally mounted valve and fittings to reduce or eliminate knife edge oil pressure problems. Includes valve, specialized fittings, and one weld boss kit to add on to a regular inverted system (requires sump modification)
4cyl. kit..... P/N 08-00793.....
6 cyl. kit..... P/N 08-00794.....

ADC OIL FILTER SYSTEM



ADC Oil Filter System



ADC Remote Spin-On Kit

The ADC Oil Filter System has a cleanable element which provides remarkable filtering ability, additional oil cooling (15-20 degrees), visual bypass indicator light, outstanding engine diagnostic ability, and longer engine life. STC's and PMA's for all Lycoming and Continental engines, and most all aircraft. The Remote Spin-On Adapter Kit uses standard Champion CH48108 and CH48109 spin-on filters with the benefit of firewall or engine mount mounting for easy access for filter changes. This kit has a provision for the ADC optional chip detector, comes with lines and fittings, and is machined, rather than cast or welded. Anti-torque feature prevents firewall damage. STC's and PMA's for all Lycoming and Continental engines, and most all aircraft.

ADC Oil Filter System - Includes everything to install, including STC, installation instructions, filter element, all hardware, hoses, fittings, electrical components and engine adapter:

Lycoming Engines

O-235&O-290 engines w/standard screen housing. P/N 07-06930
All engines w/factory installed spin-on filter P/N 07-00225
320 series & up w/ standard screen housing.... P/N 07-06925

Continental Engines

All engines w/spin-ons or screen housing...P/N 07-00226

ADC Remote Spin-On Filter Kit - Includes STC, installation instructions, all hardware, hoses, fittings and engine adapter.

Lycoming Engines

O-235 & O-290 engines w/standard screen housing P/N 07-06933
All engines w/factory installed spin-on filter....P/N 07-00227
320 series & up w/ standard screen housing ..P/N 07-06935

Continental Engines

All engines w/spin-ons or screen housing...P/N 07-00228

We stock ADC engine adapters for Lycoming & Continental engines. Call for information and pricing.

RAVEN BASIC INVERTED OIL SYSTEM

Raven systems consist of the valve with three pipe plugs, tank, mount, and clamps. The tank is constructed from aluminum and is tig welded using stainless steel internal parts prevent corrosion. Valve is machined from solid aluminum, and all parts are power coated black or white. Valve is 5-1/2" x 1-1/2" x 1-1/2" and weighs 1.85 lbs, 5" tank is for 4 or 6 cylinder applications, & 4" tank is for 4 cyl. applications only.

5" tank-black P/N 08-00796
5" tank-white P/N 08-00800
4" tank-black P/N 08-00797
4" tank-white P/N 08-00801

RAVEN INVERTED SYSTEM VAC ADAPTERS

These vac adapters are machined from solid aluminum with anodized finish. Furnished with a seal installed, and complete with AN fitting and gaskets.

Vac-6 for 6 cyl Lycomings..... P/N 08-00784.....
Vac-4 for 4 cyl Lycomings..... P/N 08-00785.....
Non-Acc'y Vac Pad Oil P/U P/N 08-00786.....

RAVEN SUMP FITTING KITS

These sump fitting kits come with specialized fittings, washers , O rings needed to install the kit.
Sump kit for Horizontal screen 4 or 6 cyl. Lyc. P/N 08-00787

Sump kit for Vertical screen 4 or 6 cyl. Lyc. ... P/N 08-00788

SLIME FIGHTER

For engines that have horizontal oil filters, this system will eliminate the problem of oil dripping down into the engine and on the firewall while the filter is being removed. A tray is supplied that catches the oil coming from the engine flange and filter while it is being unscrewed. The oil in the tray pours down a hose connected to the bottom of the tray. The filter can now be removed and thrown away. Includes the welded aluminum tray, oil filter wrench and hose. Full set of instructions included.....P/N 08-00974