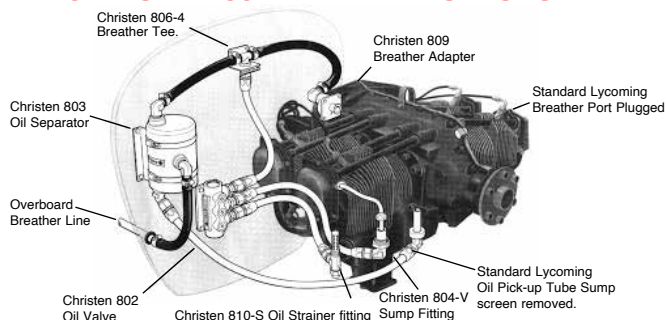


# OIL SYSTEMS

## 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.	\$1,440.00
801-6	For six-cylinder engines. Same as 801-4 Kit, but is supplied with 806-6 Breather Tee. Weight: 4.75 lb. installed.	\$1,229.00
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.	\$684.00
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.	\$840.00
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.	\$752.00
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.	\$465.00
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.	\$150.75
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.	\$93.75
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.	\$97.75
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.	\$29.80
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-6000 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.	\$2,110.00
807-4 Economy Hose & Fitting Kit	These kits include same items as Aviat Factory Kits but are packaged by Aircraft Spruce.	\$1,149.00
807-6 Economy Hose & Fitting Kit		\$1,185.00

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

P/N 05-20600 .....\$17.50 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 .....\$499.00

## 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 .....\$626.00

## BOGERT AVIATION 180 DEGREE OIL QUICK DRAIN PROBE



Drain probe not only gives you an alternative to the high priced AVI probe but it includes some major improvements. Probe is leak proof! The AVI design could leak where it mates to the valve plunger making a mess. This design incorporates an O-ring seal around the valve body preventing leaks. The O-ring also locks the probe to the valve body. Also note the larger drain tube to speed up the oil flow and prevent restrictions. Valve NOT included, this is Probe ONLY..... P/N 12-03289 .....\$100.00

## BOGERT AVIATION 90 DEGREE OIL QUICK DRAIN PROBE



This drain probe not only gives you an alternative to the high priced AVI probe but it includes some major improvements. The first big improvement is that the probe is leak proof. The AVI design could leak where it mates to the valve plunger making a mess. Incorporates an O-ring seal around the valve body preventing leaks. The O-ring also locks the probe to the valve body. The compactness of the probe, is actually shorter than the BJ 107B making it easier to install. 09M-PRB90

Replaces: • Piper part number 481-359 • Beechcraft part number 107-B • Auto Valve Inc. AVI-BJ-107B .....P/N 12-03237 .....\$100.00

## BOGERT AVIATION ENGINE CESSNA OIL QUICK DRAIN STC

Drain oil in wind or shop with little clean up. Saves money on clean up, solvent, labor and parts. Oil goes into bucket without splashing or spilling. Made in the USA. Approved for: Cessna 210J through 210 R, T210J through T210R, P210H through P210R, 337 through 337H, T337B through T337H, and P337H, 310 through 310R, T310P through T310R, 320 through 320F, 340, and 340A, 401 through 401B, 402 through 402C, 404, 411, 411A, 414, 414A, and 421 through 421Cnd 421 through 421C

Description	Part No.	Price
Single Engine Kit Includes: 1 ea. 09-OQD STC Paper work 1 ea. 09-Probe 1 ea. 09-BJ107 Valve w/o-ring 1 ea. 09-AN900-10 Gasket	12-02101	\$373.00
Twin Engine Kit Includes: 1 ea. 09-OQD STC Paper work 1 ea. 09-Probe 2 ea. 09-BJ107 Valve w/o-ring 2 ea. 09-AN900-10 Gasket	12-02102	\$654.00

## RAVEN INVERTED OIL SYSTEMS

The Raven Full Oil System includes a CNC machined adjustable valve. There are no extra holes to plug, you simply rotate it to where you want it. The system includes the valve, mount and clamps, as well as the air/oil separator, mount and clamps. Both the valve and separator use stainless steel internal parts and are powder coated for durability. The weight of all components is 4 1/2 lbs. The Raven Half System is the breather portion of the full inverted system, it is used to perform basic positive G aerobatics where a full inverted system is not required, it will catch and return approx 95% of the oil that would normally end up overboard when performing basic maneuvers.

Description	Kit Contents	Color	Part No.	Price
Half Inverted Oil System 4"	Air/Oil Separator & Mount with Clamps & Sump Return Fitting	Black	08-15637	\$466.00
Half Inverted Oil System 4"		White	08-15638	\$466.00
Full Inverted Oil System 5"	Valve & Mount with Clamps, Air/Oil Separator & Mount with Clamps	Black	08-00796	\$835.00
Full Inverted Oil System 5"		White	08-00800	\$835.00
Full Inverted Oil System 4"		Black	08-00797	\$835.00
Full Inverted Oil System 4"		White	08-00801	\$795.00

## 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. Non-Acc'y Vac Pad Oil P/U .....P/N 08-00786 .....\$95.00

## 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. With Straight Fitting .....P/N 08-00787 .....\$495.00 With 45° Swivel .....P/N 08-15780 .....\$563.00