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SWJ

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Subject: Facet Filter Assembly
Functional Check Tool

Purpose: Provides simple check of operation
of filter bypass indicator.

Applicability: Used on the following Facet Filter
Assemblies:
037738-04, 1740001-01
1740001-03, 1740001-05
1740001-06, 1740001-09

Aircraft:	Facet Kit:
Soloy Hiller UH12E, D	1741000
Bell 206 A & B	17401010
	1741010-01
Bell 206L	1741020
	1741020-01
Bell 206L-1	1741030
	1741030-01
Bell 206BIII	1741040
	1741040-01
Bell 206L-3	1741140
Bell OH58A & C	1741420
	1741420-01
McDonnell Douglas 500	1741050
	1741050-01
Soloy/Bell 47	1741060
MBB BO105	1741070-01
	105-80117
Sikorsky	1741080
	1741460
G.A.F Nomad	1741090
AS355 Twin Star	1741150
Agusta A109, A109II	1741260
	1741270
McDonnell Douglas 530FF	1741300
MBB BO105LS	1741470



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SERVICE BULLETIN

Considering the fact that the first Purolator (Facet/Ni-Cad) filter was installed in 1976, Purolator has provided filter indicator test tools to give the operator a simple way to ensure the impending bypass indicator is still functioning properly.

Instruction for Use

Note: Do not attempt to adjust or replace indicator

At the next scheduled filter element change and each subsequent 600 hour interval:

1. Remove safety wire from filter bowl, unscrew bowl, remove and discard installed filter element.
2. Submerge the filter bowl and indicator assembly in a solvent such as freon, stoddard solvent or mineral spirits.
3. Ultrasonic clean for 3-5 minutes.
4. Remove bowl and indicator assembly from solvent, flush and rinse with clean solvent.
5. Oven or air dry to remove all excess solvent prior to reinstalling on the aircraft.
6. Install tool P/N: 1741145, reinstall bowl (do not safety wire at this time), and close cowling.

Caution: Before starting engine, be sure oil lines are connected to the proper filter ports. Oil flows from the engine to the filter "IN" port, and from the filter "OUT" port to the oil cooler.

7. Start engine, operate at ground idle until normal operating temperatures are reached. Increase RPM and run until the filter bypass button extends. The bypass indicator must reach 120° F to operate.
8. If bypass indicator fails to extend, shut down engine wait two minutes, then repeat step 7 while oil is still warm and with the use of an external heat source (Hot air device) applied to the bypass indicator of the filter bowl prior to start up. Run engines(s) at the highest RPM possible without the aircraft lifting off.
9. Secure engine, remove bowl and test tool, install new seal kit and filter element, reinstall and safety wire bowl, reset indicator, drain and reservice engine oil system.
10. Should bypass indicator fail to extend or will not reset, contact Purolator Product Company. Do not attempt to adjust or replace indicator.