



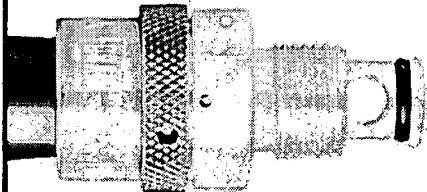
AEROSPACE ENGINEERING BULLETIN

AEB
225B

Supersedes AEB-225A

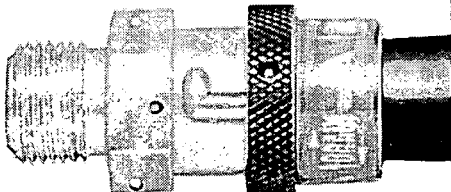
VALVES

Aeroquip *E-Z Drain*™ Sump Valve (FAA-PMA APPROVED)



Features

- Speeds oil changes
- No need to remove engine cowl to change oil
- Easy manual operation — requires no tools
- Eliminates messy oil spills
- Built-in hose line directs old oil to container
- Spring-loaded sleeve prevents accidental oil drainage
- Dual seal feature guards against O-ring failure
- Safety wire holes provided






The Aeroquip E-Z Drain Sump Valve makes aircraft oil changes easy. The hand-actuated valve, when attached to the oil drain port, permits aircraft engine oil changes from the ground without removal of the engine cowling.

The spring-loaded E-Z Drain Valve is safe for all piston engine applications because it can't be accidentally opened. Actuation of the valve requires a combination push-twist motion. It also contains a dual seal arrange-

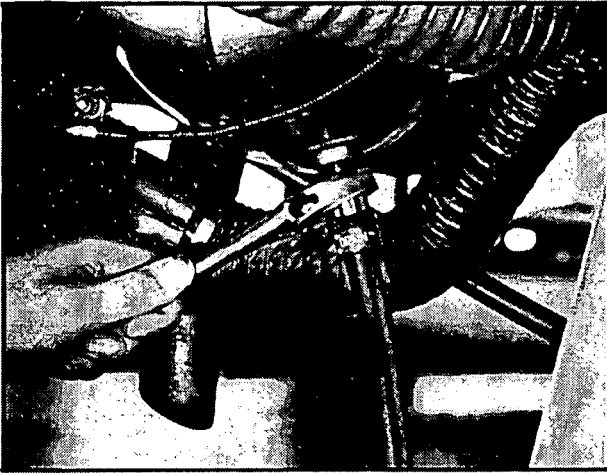
ment which combines both an O-ring and a metal-to-metal seal to prevent accidental leakage of oil through the valve. The seal used on the internal valve is replaceable with a standard MS O-ring. The accompanying hose is furnished in standard 12-inch lengths.*

The FAA has issued a Parts Manufacturing Approval to Aeroquip for use of the E-Z Drain Sump Valve on all of the aircraft engines listed below.

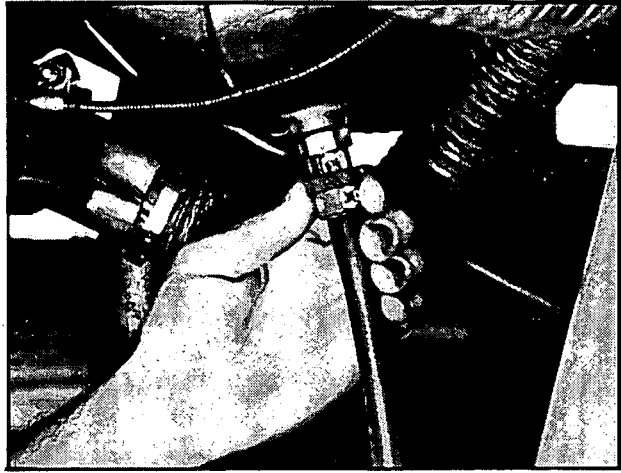
Aeroquip Part Number	For use on these engine models*																																
<p>AE99950G Thread Size: 5/8"-18</p>  <p>O-ring: MS28775-011 (valve)</p>	<table border="0"> <tr> <td>Teledyne Continental</td> <td>TSIO-470-B, C, D</td> </tr> <tr> <td>C-90-8F, 12F, 14F</td> <td>IO-520-A, B, BA, C, D, E, F, J, K,</td> </tr> <tr> <td>O-200-A, B</td> <td>L, M</td> </tr> <tr> <td>GO-300-A, C, D, E</td> <td>TSIO-520-B, C, D, E, G, H, J, K, L,</td> </tr> <tr> <td>IO-360-A, B, C, D, G, H, J, K</td> <td>M, N,</td> </tr> <tr> <td>TSIO-360-A, B, C, D, E, EB, F,</td> <td>P, R, S</td> </tr> <tr> <td>FB, H</td> <td>GTSIO-520-C, D, F, H, K, L, M</td> </tr> <tr> <td>O-470-B, G, J, K, L, M, P, R, S, U</td> <td>C75-2</td> </tr> <tr> <td>O-470-4, 11, 13, 15</td> <td>C85-8, -12, -12F</td> </tr> <tr> <td>IO-470-C, D, E, F, G, H, J, K, L, M,</td> <td></td> </tr> <tr> <td>N, P, R, S, U, V, VO</td> <td></td> </tr> </table>	Teledyne Continental	TSIO-470-B, C, D	C-90-8F, 12F, 14F	IO-520-A, B, BA, C, D, E, F, J, K,	O-200-A, B	L, M	GO-300-A, C, D, E	TSIO-520-B, C, D, E, G, H, J, K, L,	IO-360-A, B, C, D, G, H, J, K	M, N,	TSIO-360-A, B, C, D, E, EB, F,	P, R, S	FB, H	GTSIO-520-C, D, F, H, K, L, M	O-470-B, G, J, K, L, M, P, R, S, U	C75-2	O-470-4, 11, 13, 15	C85-8, -12, -12F	IO-470-C, D, E, F, G, H, J, K, L, M,		N, P, R, S, U, V, VO											
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<p>AE80664H Thread Size: 1/2" pipe</p>  <p>O-ring: MS28775-011 (valve)</p>	<table border="0"> <tr> <td>Avco-Lycoming</td> <td>O-310</td> <td>LTO-360</td> <td>O-435</td> </tr> <tr> <td>O-235</td> <td>O-360</td> <td>TIO-360</td> <td>GO-435</td> </tr> <tr> <td>O-290</td> <td>IO-360</td> <td>VO-360</td> <td>VO-435</td> </tr> <tr> <td>O-320</td> <td>LO-360</td> <td>IVO-360</td> <td>TVO-435</td> </tr> <tr> <td>IO-320</td> <td>AIO-360</td> <td>HO-360</td> <td>TIO-541</td> </tr> <tr> <td>LIO-320</td> <td>AEIO-360</td> <td>HIO-360</td> <td>TIGO-541</td> </tr> <tr> <td>AIO-320</td> <td>TO-360</td> <td>LHIO-360</td> <td>IO-720</td> </tr> <tr> <td>AEIO-320</td> <td></td> <td></td> <td></td> </tr> </table>	Avco-Lycoming	O-310	LTO-360	O-435	O-235	O-360	TIO-360	GO-435	O-290	IO-360	VO-360	VO-435	O-320	LO-360	IVO-360	TVO-435	IO-320	AIO-360	HO-360	TIO-541	LIO-320	AEIO-360	HIO-360	TIGO-541	AIO-320	TO-360	LHIO-360	IO-720	AEIO-320			
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* Hose may be trimmed or removed.

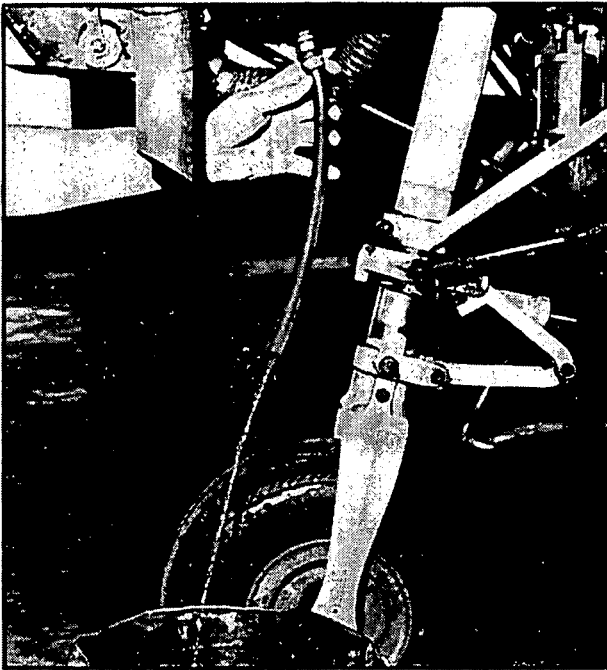
Installation



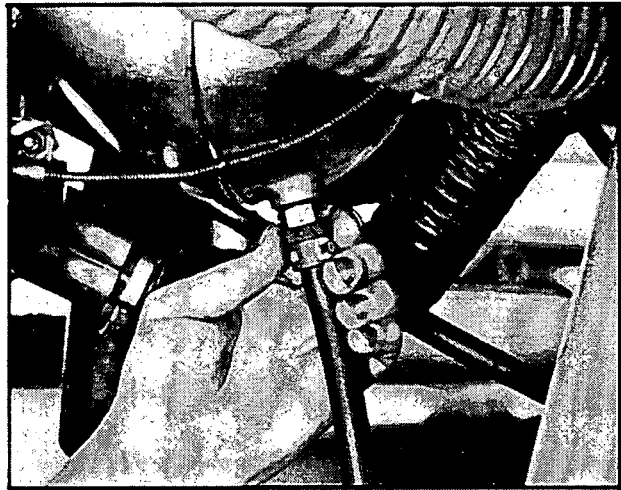
1. Simply remove the plug from the bottom of the oil sump and install the drain valve in the port. Wrench tighten carefully. Safety wire valve to sump.



2. Take hold of the knurled nut and with a combination push-twist motion open the valve.



3. Allow the oil to drain.



4. To close, twist the knurled nut. The spring-loaded valve will automatically close.

NOTE: Verify that installation of the valve does not restrict travel of retractable landing gear. Conduct retract test if necessary. Hose may be trimmed or removed.

 Aeroquip



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