



# Oil Filters



# OIL FILTERS

## Aircraft Engine Applications

Model	Engine Model	Champion Spin-On Filter	Champion Element	Model	Engine Model	Champion Spin-On Filter	Champion Element
<b>AEROSPATIALE (Socata)</b>				<b>BELLANCA</b>			
TB9 Tampico	O-320-D2A	CH48110	CFO-100	17-31A, 17-31ATC	IO-540-K	CH48110	CFO-100
TB10 Tobago	O-360-A1AD	CH48110	CFO-100	17-31A Viking	IO-540-K	CH48110	CFO-100
TB20 Trinidad	IO-540-C4D5D	CH48110	CFO-100	17-31A Viking	IO-520-D	-	CFO-100
TB21 Trinidad TC	TIO-540-AB1AD	CH48110	CFO-100	17-31ATC Turbo	TIO-540	CH48110	CFO-100
TB30	AEIO-540-L1B5D	CH48110	CFO-100				
<b>AEROSTAR (See Piper)</b>				<b>NOTE: All Cessna Aircraft Modified Under Cessna Service Bulletin SEB-93-1 or MEB 93-1 Require Champion Oil Filter CH48108. The CH48109 May Also Be Used If Clearance Permits Installation</b>			
<b>AMERICAN GENERAL AIRCRAFT CORP.</b>				<b>CESSNA SINGLE ENGINE MODELS</b>			
AG5B Tiger	O-360-A4K	CH48110	CFO-100	150 A thru M	O-200	CH48110	CFO-100
<b>BEECH SINGLE ENGINE MODELS</b>				F150 F thru M	O-200	CH48110	CFO-100
<b>BONANZA</b>				A150L	O-200	CH48110	CFO-100
E33A, F33A, F33B, F33C	IO-520	-	CFO-100	FA150	O-200	CH48110	CFO-100
E33A, F33A, F33B, F33C	IO-520B	CH48109	-	152	O-235-L2C, H2C	CH48110	-
G-33	IO-470N	CH48110	-	172 A thru H	O-300	CH48110	CFO-100
H-35	O-470	CH48110	-	172 I thru M	O-320	CH48110	CFO-100
J, K, M-35	IO 470-C	CH48110	-	172N	O-320-H2AD	CH48103	-
N, P-35	IO-470-N	CH48110	-	172P	O-320-D2J	CH48111	CFO-101
S35, V35, V35A, V35B	IO-520	-	CFO-100	F172 D thru H	O-300	CH48110	CFO-100
S35	IO-520B	CH48109	-	FR172 E thru K	IO-360	CH48110	CFO-100
V35TC, V35A-TC	TSIO-520	-	CFO-100	R172K	IO-360-K	CH48108	-
V35B-TC				172RG	O-360-F1A6	CH48110	CFO-100
V35TC, V35A-TC				177	O-320	CH48110	CFO-100
-V35B-TC	TSIO-520D	CH48109	-	177A, B	O-360-A1F6D	CH48103*	CFO-100
V35, V35A, V35B	IO-520B	CH48109	-	177RG	IO-360-A1B6D	CH48103*	CFO-100
36, A36	IO-520B	CH48109	-	180 A thru J	O-470	CH48110	CFO-100
A36TC, B36TC	TSIO-520-UB	CH48109	-	180Q	O-470-U++	CH48110	CFO-100
B36-550	IO-550	CH48109	-	180-s/n 53087 & Up	O-470-U++	CH48108	-
<b>DEBONAIR/BONANZA</b>				182 A Thru P	O-470	CH48110	CFO-100
C33A, E33A, E33C	IO-520	-	CFO-100	182Q, R	O-470-U++	CH48110	CFO-100
C33A, E33A, F33C	IO-520B	CH48109	-	A182 K thru N	O-470	CH48110	CFO-100
<b>MUSKETEER</b>				182-s/n 67042 & Up	O-470-U++	CH48108	-
Sport III	O-320	CH48110	CFO-100	F182-s/n 00130 & Up	O-470-U++	CH48108	-
23	O-320	CH48110	CFO-100	R182	O-540-J3C5D	CH48103*	CFO-100
A23-19, 19A, B19 Sport	O-320	CH48110	CFO-100	T182	O-540-L3C5D	CH48103*	CFO-100
A23, 23, A23A	IO-346	-	CFO-100	TR182, FTR182	O-540-L3C5D	CH48103*	CFO-100
A23, A23A	IO-346A	CH48109	-	185 A thru D	IO-470, IO-520	CH48110	CFO-100
B23, C23 Sundowner	O-360	CH48110	CFO-100	A185E, F	IO-470, IO-520	CH48110	CFO-100
B23	O-360A4JD	CH48103*	CFO-100	185-s/n 03852 & Up	IO-520	CH48108	-
<b>SIERRA</b>				188	O-470, IO-520	CH48110	CFO-100
24, A-24, A-24R	IO-360	CH48110	CFO-100	188-s/n 03474 & Up	IO-520D	CH48109	-
B-24R, C-24R				T188-s/n 03474 & Up	TSIO-520	CH48109	-
<b>SKIPPER</b>				205A	IO-470	CH48110	CFO-100
77	O-235-L2C	CH48110	-	206 A thru G	IO-520	CH48110	CFO-100
<b>TWIN ENGINE MODELS</b>				206-s/n 05030 & Up	IO-520	CH48109	-
<b>BARON</b>				206-s/n 05030 & Up	TSIO-520	CH48109	-
C55, D55, E55, 58	IO-520	-	CFO-100	U206	IO-520	CH48110	CFO-100
C55, D55, E55, 58	IO-520C	CH48109	-	TU-206	TSIO-520	CH48110	CFO-100
56TC, A56TC	TIO-541-E	CH48104*	CFO-101	P206	IO-520	CH48110	CFO-100
Baron 58P	TSIO-520-L++	-	CFO-100	TP206	TSIO-520	CH48110	CFO-100
Baron 58P, 58TC	TSIO-520-L, -W, -B	CH48108	-	207	IO-520	CH48110	CFO-100
Baron 58C, 550	IO-550	CH48109	-	207-s/n 05227 & Up	IO-520	CH48109	-
<b>DUKE</b>				T207-s/n 05227 & Up	TSIO-520	CH48109	-
60, A60, B60	TIO-541	CH48104*	CFO-101	T207	TSIO-520	CH48110	CFO-100
<b>QUEEN AIR</b>				210	IO-470, IO-520	CH48110	CFO-100
65, 70	IGSO-480	CH48111	CFO-101	210-s/n 63373-63375 & Up	IO-520	CH48109	-
80, 88, B80	IGSO-540	CH48111	CFO-101	T210-s/n 63373-63375 & Up	TSIO-520	CH48108	-
<b>TRAVEL AIR</b>				P210-s/n 278 & Up	TSIO-520	CH48108	-
95, B95	O-360	CH48110	CFO-100	T210, P210-s/n 1-277	TSIO-520++	CH48110	CFO-100
B95A, D95A, E95	IO-360	CH48110	CFO-100				
<b>DUCHESS</b>							
76	LO-360-A1G6D & O-360-A1G6D	CH48103*					

Aircraft engines not listed, but equipped with oil filters at overhaul, may accept Champion filters. Write Aviation Service Department for further information. Please include description of your engine.

+Requires Lyco. Filter Kit No. LW-14969.

\*Requires Lyco (LW13904) Converter Kit.

++Reference page 25 for other TCM application data.

# OIL FILTERS

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Model	Engine Model	Champion Spin-On Filter	Champion Element	Model	Engine Model	Champion Spin-On Filter	Champion Element
<b>CESSNA TWIN ENGINE MODELS</b> T303	LTSIO-520-AE & TSIO-520-AE	CH48109	-	<b>MAULE</b> M5-180C, MX7-180	O-360-C, -C1F	CH48110	
310 C thru Q	IO-470	CH48110	CFO-100	M5-210C	IO-360D		
310 R	IO-520-M	CH48108	-	M5-210TC	TO-360-C1A6D	CH48103	
T310P, Q, R	TSIO-520-B	CH48108	CFO-100	M5-235C, M6-235, M7-235	O-540-J1A5D	CH48103	
320-A	TSIO-470	CH48104	-	MX-7-235	O-540-W1A5D	CH48103	
320-B, C	TSIO-470	CH48111	CFO-101				
320-D	TSIO-520	-	CFO-100				
320-D, E, F	TSIO-520-B	CH48108	-	<b>MOONEY AIRCRAFT CORP.</b>			
335	TSIO-520-EB	CH48109	-	<b>SINGLE ENGINE MODELS</b>			
336	IO-360	CH48110	CFO-100	M20	O-320	CH48110	CFO-100
337	IO-360	CH48110	CFO-100	M20A, B, Mark 21	O-360	CH48110	CFO-100
P337, P337H	TSIO-360	CH48108	CFO-100	M20D Master			
T337H	TSIO-360-H	CH48108	CFO-100	M20C Ranger			
340	TSIO-520-K	CH48108	-	M20G Statesman	O-360	CH48110	CFO-100
340A	TSIO-520-N, -NB	CH48109	CFO-100	M20E Chaparral	IO-360	CH48110	CFO-100
401/402	TSIO-520-E	CH48108	CFO-100	M20F Executive	IO-360	CH48110	CFO-100
402C	TSIO-520-VB	CH48109	CFO-100	M20J-201	IO-360-A3B6D	CH48103	-
404	GTSIO-520-M	CH48111	CFO-101	M20K-231	TSIO-360-G, LB	CH48108	
411-s/n 000 thru 0126	GTSIO-520-C	CH48104	-	M20M-TLS	TIO-540-AFIA, B	CH48110	
411-s/n 0127 and up	GTSIO-520-C	CH48111	CFO-101	M20R	IO-550	CH48108	-
414, 414A	TSIO-520-J, -N	CH48108	-	M22 Mustang	TIO-541	CH48110	CFO-100
421A, B	GTSIO-520-D, -H,	CH48111	CFO-101	M20K-252 TSE	TSIO-360-MB1	CH48108	-
421C-s/n 1017 thru 1404	-L, -N, ++	CH48109	CFO-101				
<b>RILEY CONVERSION</b> 310	TIO-540-N2BD LTIO-540-N2BD	CH48103* CH48103*	CFO-100 CFO-100	<b>PIPER SINGLE ENGINE MODELS</b>			
				<b>CUB</b>			
				PA-18 "150"	O-320	CH48110	CFO-100
				<b>TRI-PACER</b>			
				PA-22 "150"	O-320	CH48110	CFO-100
				PA-22 "160"	O-320	CH48110	CFO-100
<b>GULFSTREAM AMERICAN SINGLE ENGINE MODELS</b>				<b>COMANCHE</b>			
AA-1, 1A, 1B, 1B Trainer, TR2	LycO. O-235	CH48110	CFO-100	PA-24 "180"	O-360	CH48110	CFO-100
AA1C Lynx, T-Cat	LycO. O-235-L	CH48110	CFO-100	PA-24 "250"	O-540 or IO-540	CH48110	CFO-100
AA-5 Traveler	LycO. O-320-E	CH48110	CFO-100	PA-24B, PA-24C "260"	O-540 or IO-540	CH48110	CFO-100
AA-5A Cheetah	LycO. O-320-E	CH48110	CFO-100	PA-24 Turbo "260"	IO-540	CH48110	CFO-100
AA-5B Tiger	LycO. O-360-A4K	CH48110	CFO-100				
Cougar	2/LycO. O-320-D	CH48110	CFO-100	<b>PAWNEE</b>			
				PA-25 "150"	O-320	CH48110	CFO-100
<b>COMMANDER SINGLE ENGINE MODELS</b>				A25 "260"	O-540	CH48110	CFO-100
112, 112A	IO-360-C	CH48110	CFO-100	PA-36 Brave	6-285B	CH48109	-
112TC	TO-360-C1A6D	CH48103*	CFO-100	PA-36-375 Brave	IO-720-D1C	CH48110	CFO-100
114	IO-540-T4A5D	CH48103*	CFO-100	PA-36-400 Brave	IO-720D1CD	CH48104*	CFO-101
<b>TWIN ENGINE MODELS</b>				<b>CHEROKEE, CADET</b>			
500B, 500U	IO-540	CH48110	CFO-100	PA-28 "140"	O-320	CH48110	CFO-100
700	TIO-540-R2AD	CH48103*	CFO-100	PA-28 "150"	O-320	CH48110	CFO-100
				PA-28 "160", "161"	O-320	CH48110	CFO-100
				PA-28 "180"	O-360	CH48110	CFO-100
				PA-28 "180", "181"	O-360-A4M	CH48110	CFO-100
				PA-28 "235"	O-540	CH48110	CFO-100
				PA-28 "151"	O-320	CH48110	CFO-100
<b>HELIO AIRCRAFT</b> Helio 700	TIO-540-J2BD	CH48103		<b>ARROW</b>			
				PA-28R "180"	IO-360	CH48110	CFO-100
				PA-28R "180"	IO-360-C1CD	CH48103*	CFO-100
				PA-28R "200" Arrow II	IO-360	CH48110	CFO-100
				PA-284 "200"			
				-Turbo Arrow III	TSIO-360	CH48108	-
				PA-28-R-201T	TSIO-360-F1	CH48108	
<b>NOTE:</b>							

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\*Requires LycO (LW13904) Converter Kit.

+Requires LycO. Filter Kit No. LW-14969.

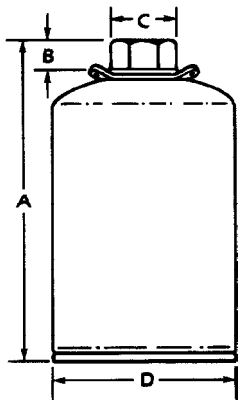
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Model	Engine Model	Champion Spin-On Filter	Champion Element	Model	Engine Model	Champion Spin-On Filter	Champion Element
<b>DAKOTA</b> PA-28-235 PA-28-201T	O-540-J3A5D TSIO-360-FB	CH48103* CH48108	CFO-100 -	<b>TWIN COMMANCHE</b> PA-30 "160" Turbo PA-39 "160"	IO-320 IO-320 LIO-320 IO-320 LIO-320	CH48110 CH48110 CH48110 CH48110 CH48110	CFO-100 CFO-100 CFO-100 CFO-100 CFO-100
<b>CHEROKEE SIX</b> PA-32 "260" PA-32 "300" PA-32R "300" PA-32R "300" PA-32RT-300T PA-32-301 PA-32-301 PA-32R-301 PA-32R-301	O-540 IO-540 IO-540-K1AD TIO-540-S1AD TIO-540-S1AD IO-540-K1G5D TIO-540-S1AD IO-540-K1G5D TIO-540-S1AD	CH48110 CH48110 CH48103* CH48103* CH48103* CH48103* CH48103* CH48103* CH48103*	CFO-100 CFO-100 CFO-100 CFO-100 CFO-100 CFO-100 CFO-100 CFO-100 CFO-100	PA-39 "160" Turbo			
<b>SEMINOLE</b> PA-44-180 PA-44-180T	O-360-E1AD TO-360-E1A6D LTO-360-E1A6D	CH48103* CH48103*	CFO-100 CFO-100	<b>NAVAJO</b> PA-31 "300" PA-31 "310" Turbo PA-31 "325"  PA-31 "350" Chieftain  PA-31P "425" PA-31P "350" Mojave	IO-540 TIO-540 TIO-540-F2BD LTIO-540-F2BD TIO-540-J2BD LTIO-540-J2BD TIGO-541 TIO/LIO-540-V2AD	CH48110 CH48110 CH48103* CH48103* CH48103* CH48103* CH48104* CH48104	CFO-100 CFO-100 CFO-100 CFO-100 CFO-100 CFO-100 CFO-101 CFO-101
<b>MALIBU</b> PA-46-301P	(Cont.) TSIO-520-BE	CH48109		<b>SENECA</b> PA-34	IO-360C LIO-360C IO-360-C1E6D LIO-360-C1E6D	CH48110 CH48110 CH48103* CH48103*	CFO-100 CFO-100 CFO-100 CFO-100
<b>MALIBU MIRAGE</b> PA-46-350-P	(Lyc.) TIO-540-AE2A	CH48103		Seneca II	LTSIO-360-E TSIO-360-E	CH48108 CH48108	- -
<b>TWIN ENGINE MODELS</b> <b>APACHE</b> PA-23 "150" PA-23 "160" PA-23 "235"	O-320 O-320 O-540	CH48110 CH48110 CH48110	CFO-100 CFO-100 CFO-100	Seneca III PA-34-220T	TSIO-360-KB LTSIO-360-KB	CH48108 CH48108	- -
<b>AZTEC</b> PA-23 "250" "C" PA-23 PA-23 Turbo "250" "C", "D", "E", "F" PA-23 Turbo "250"	O-540 IO-540 IO-540 TIO-540	CH48110 CH48110 CH48110 CH48110	CFO-100 CFO-100 CFO-100 CFO-100	<b>PIPER AEROSTAR</b> PA-60-600, -600A PA-60-604, -601B PA-60-601P PA-60-602P PA-60-700P	IO-540-G, -K IO-540-P, -S IO-540-S IO-540-AA1A5 TIO-540-U2A LTIO-540-U2B	CH48110 CH48110 CH48110 CH48110 CH48110	CFO-100 CFO-100 CFO-100 CFO-100 CFO-100
				<b>TOMAHAWK</b> Trainer PA-38-112	O-235-L2C	CH48110	

## Dimensional Data

### Popular spin-on oil filters



Mfg. Part No.	A	B	C	D	Thread (SAE)	Dry Weight Lbs./Kg.
Champion CH48103	4.78/12.1cm	0.38/0.96cm	1.00 Hex 2.54cm	3.71/9.4 cm	13/16-16-16N sp.	1.20/0.54kg
Champion CH48104	6.12/15.5cm	0.38/0.96cm	1.00 Hex 2.54cm	3.71/9.4cm	13/16-16-16N sp.	1.30/0.59kg
Champion CH48109	6.12/15.5cm	0.38/0.96cm	1.00 Hex 2.54cm	3.71/9.4cm	3/4-16-UNF-2B	1.45/0.65kg
Champion CH48111	6.12/15.5cm	0.38/0.96cm	1.00 Hex 2.54cm	3.71/9.4cm	3/4-16-UNF-2A	1.30/0.59kg
Champion CH48108	4.78/12.1cm	0.38/0.96cm	1.00 Hex 2.54cm	3.71/9.4cm	3/4-16-UNF-2B	1.28/0.58kg
Champion CH48110	4.78/12.1cm	0.38/0.96cm	1.00 Hex 2.54cm	3.71/9.4cm	3/4-16-UNF-2A	1.20/0.54kg

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