



## Oil Filter Application Guide

AEROSPATIALE (SOCATA)		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
TB9 TAMPICO	O-320-D2A	AA48110-2
TB10 TOBAGO	O-360-A1AD	AA48110-2
TB20 TRINIDAD	IO-540-C4D5D	AA48103-2
TB21 TRINIDAD TC	TIO-540-AB1AD	AA48103-2
TB-30	AEIO-540-L1B5D	AA48103-2
AEROSTAR (SEE PIPER)		
AMERICAN GENERAL AIRCRAFT		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
AG5B TIGER	O-360-A4K	AA48110
BEECH SINGLE ENGINE MODELS		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
E33A, F33A, F33B, F33C	IO-520B	AA48109
G-33	IO-470N	AA48108-2
H-35	O-470	AA48108-2
J, K, M-35	IO-470C	AA48108-2
N, P-35	IO-470N	AA48108-2
S35, V35, V35A, V35B	IO-520	AA48109
S35	IO-520B	AA48109
V35TC, V35A-TC, V35B-TC	TSIO-520D	AA48109
V35, V35A, V35B	IO-520B	AA48109
36, A36	IO-520B	AA48109
A36TC, B36TC	TSIO-520-UB	AA48109
B36-550	IO-550	AA48109
BEECH DEBONAIR/BONANZA		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
C33A, E33A, E33C	IO-520B	AA48109
BEECH MUSKETEER		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
SPORT III	O-320	AA48110-2
23	O-320	AA48110-2
A23-19, 19A, B19 SPORT	O-320	AA48110-2
A23, A23A	IO-346A	AA48109
B23, C23 SUNDOWNER	O-360	AA48110-2
B23	O-360A4JD	AA48103

BEECH SERRA		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
24, A-24, A-24R, B-24R, C-24R	IO-360, L2A	AA48110-2
BEECH SKIPPER		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
77	O-235-L2C	AA48110-2
BEECH BARON		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
C55, D55, E55, 58	IO-520C	AA48109
B95-B55	IO-470-L	AA48108-2
56TC, A56TC	TIO-541-E	AA48104
BARON 58P, 58TC	TSIO-520-L, -W, -B	AA48108-2
BARON 58C, G58	IO-550	AA48109
BEECH DUKE		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
60, A60, B60	TIO-541	AA48104
BEECH QUEEN AIR		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
65, 70	IGSO-480	AA48111
80, 88, B80	IGSO-540	AA48111
BEECH TRAVEL AIR		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
95, B95	O-360	AA48110-2
B95A, D95A, E95	IO-360, L2A	AA48110-2
BEECH DUCHESS		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
76	O-360-A1G6D LO-360-AIG6D	AA48103-2 AA48103-2
BEECH BELLANCA		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
17-31A, 17-31ATC	IO-540-K	AA48110-2
17-31A VIKING	IO-540-K	AA48110-2
17-31ATC TURBO	TIO-540	AA48110-2
CESSNA SINGLE ENGINE MODELS		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
All Cessna aircraft modified under Cessna Service bulletin SEB-93-1 or MEB-93-1 require <b>Tempest Oil Filter AA48108</b> . The AA48109 may be used if clearance permits installation.		
150 A THRU M	O-200	AA48108-2
F150 F THRU M	O-200	AA48108-2
A150L	O-200	AA48108-2
FA150	O-200	AA48108-2
152	O-235-L2C, H2C	AA48110-2
172 A THRU H	O-300	AA48108-2

172 I THRU M	O-320	AA48110-2
172 N	O-320-H2AD	AA48103-2
172 P	O-320-D2J	AA48111
F172 D THRU H	O-300	AA48110-2
FR172 E THRU K	IO-360	AA48108-2
R172K	IO-360-K	AA48108-2
172R	IO-360-L2A	AA48110-2
172RG	O-360-F1A6	AA48110-2
172S	IO-360-L2A	AA48110-2
177	O-320	AA48110-2
177A, B	O-360-A1B6D	AA48103-2
177RG	IO-360-A1B6D	AA48103-2
180 A THRU J	O-470	AA48108-2
180Q	O-470-U	AA48108-2
180- S/N 53087 & UP	IO-470-U	AA48108-2
182 A THRU P	O-470	AA48108-2
182Q, R	O-470-U	AA48108-2
182S	IO-540-AB1A5	AA48110-2
A182 K THRU N	O-470	AA48108-2
182- S/N 67042 & UP	O-470-U	AA48108-2
F182- S/N 00130 & UP	O-470-U	AA48108-2
R 182	O-540-J3C5D	AA48103-2
T182	O-540-L3C5D	AA48103-2
TR182, FTR182	O-540-L3C5D	AA48103-2
185 A THRU D	IO-470, IO-520	AA48108-2
A185E, F	IO-470, IO-520	AA48108-2
185- S/N 03852 & UP	IO-520	AA48108-2
188	O-470, IO-520	AA48108-2
188- S/N 03474 & UP	IO-520-D	AA48109
T188- S/N 03474 & UP	TSIO-520	AA48109
205A	IO-470	AA48108-2
C-206	IO-540	AA48110-2
206 A THRU G	IO-520	AA48108-2
206H	IO-540-AC15A	AA48110-2
206- S/N 05030 & UP	IO-520	AA48109
206- S/N 05030 & UP	TSIO-520	AA48109
U206	IO-520	AA48108-2
T-206H	TIO-540-AJ1A	AA48110-2
TU-206	TSIO-520	AA48108-2
P206	IO-520	AA48108-2
TP-206	TSIO-520	AA48108-2
207	IO-520	AA48108-2
207- S/N 05227 & UP	IO-520	AA48109

T207- S/N 05227 & UP	TSIO-520	AA48109
T207	TSIO-520	AA48108-2
210	IO-470, IO-520	AA48108-2
210- S/N 63373-63375 & UP	IO-520	AA48109
T210- S/N 63373-63375 & UP	TSIO-520	AA48108-2
P210- S/N 278 & UP	TSIO-520	AA48108-2
T210, P210- S/N 1-277	TSIO-520	AA48108-2
<b>CESSNA TWIN ENGINE MODELS</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
T303	TSIO-520-AE	AA48109
	LTSIO-520-AE	AA48109
310-C THRU Q	IO-470	AA48108-2
310-R	IO-520-M	AA48108-2
T310-P, Q, R	TSIO-520-B	AA48108-2
320-A	TSIO-470	AA48104
320-B, C	TSIO-470	AA48109
320-D, E, F	TSIO-520-B	AA48108-2
335	TSIO-520-EB	AA48109
336	IO-360	AA48108-2
337	IO-360	AA48108-2
P337, P337H	TSIO-360	AA48108-2
T337H	TSIO-360-H	AA48108-2
340	TSIO-520-K	AA48108-2
340A	TSIO-520-N, NB	AA48109
401/402	TSIO-520E	AA48108-2
402C	TSIO-520-VB	AA48109
404	GTSIO-520-M	AA48111
411- S/N 000 THRU 0126	GTSIO-520-C	AA48104
411- S/N 0127 & UP	GTSIO-520-C	AA48111
414, 414A	TSIO-520-J, N	AA48108-2
421-A, B	GTSIO-520-D, H	AA48111
421-C- S/N 1017 TRHU 1404	GTSIO-520-L, N	AA48111
<b>Cirrus Aircraft</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
SR20	IO-360ES	AA48108-2
SR22	IO-550N	AA48109
SR22T	TSIO-550-K	AA48109
<b>Columbia/Lancair</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
300, 350	IO-550N	AA48109
400	TSIO-550	AA48109
<b>Diamond Aircraft</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter

DA20-C1	IO-240	AA48108-2
DA40-180	IO-360	AA48110-2
<b>RILEY CONVERSION</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
310	TIO-540-N2BD	AA48103-2
	LTIO-540-N2BD	AA48103-2
<b>GULFSTREAM AMERICAN SINGLE ENGINE MODELS</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
AA-1, 1A, 1B, 1B TRAINER, TR	O-235	AA48110-2
A1C LYNX, T-CAT	O-235-L	AA48110-2
AA-5 TRAVELER	O-320-E	AA48110-2
AA-5A CHEETAH	O-320-E	AA48110-2
AA-5B TIGER	O-360-A4K	AA48110-2
COUGAR	O-320-D	AA48110-2
<b>COMMANDER SINGLE ENGINE MODELS</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
112, 112-A	IO-360-C, L2A	AA48110-2
112-TC	TO-360-C1A6D	AA48110-2
114	IO-540-T4A5D	AA48110-2
<b>COMMANDER TWIN ENGINE MODELS</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
500-B, 500-U	IO-540	AA48110-2
700	TIO-540-R2AD	AA48103-2
<b>HELIO AIRCRAFT</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
HELIO 700	TIO-540-J2BD	AA48103-2
<b>MAULE</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
M5-180-C, MX7-180	O-360-C, C1F	AA48110-2
M5-210-C	IO-360-D, L2A	
M5-210-TC	TO-360-C1A6D	AA48103-2
M5-235-C, M6-235, M7-235	O-540-J1A5D	AA48103-2
MX-7-235	O-540-WIA5D	AA48103-2
<b>MOONEY AIRCRAFT</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
M20	O-320	AA48110-2
M20-A, B, MARK 21	O-360	AA48110-2
M20-D MASTER	O-360	AA48110-2
M20-C RANGER	O-360	AA48110-2
M20-G STATESMAN	O-360	AA48110-2
M20-E CHAPARRAL	IO-360, L2A	AA48110-2
M20-F EXECUTIVE	IO-360, L2A	AA48110-2
M20-J-201	IO-360-A3B6D, L2A	AA48103-2

M20-K-231	TSIO-360-G, LB	AA48108-2
M20-M-TLS	TIO-540-AFIA, B	AA48110-2
M20-R	IO-550	AA48108-2
M22 MUSTANG	TIO-541	AA48110-2
M20-K-252 TSE	TSIO-360-MB1	AA48108-2
<b>PIPER CUB</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
PA-18-150	O-320	AA48110-2
<b>PIPER TRI-PACER</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
PA-22-150	O-320	AA48110-2
PA-22-160	O-320	AA48110-2
<b>PIPER COMMANCHE</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
PA-24-180	O-360	AA48110-2
PA-24-250	O-540, IO-540	AA48110-2
PA-24-B, PA-24-C-260	O-540, IO-540	AA48110-2
PA-24 TURBO 260	IO-540	AA48110-2
<b>PIPER PAWNEE</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
PA-25-150	O-320	AA48110-2
PA-25-260	O-540	AA48110-2
PA-36 BRAVE	6-285B	AA48109-2
PA-36-375 BRAVE	IO-720-D1C	AA48110-2
PA-36-400 BRAVE	IO-720-DICD	AA48104
<b>PIPER CHEROKEE, CADET</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
PA-28-140	O-320	AA48110-2
PA-28-150	O-320	AA48110-2
PA-28-160, 161	O-320	AA48110-2
PA-28-180	O-360	AA48110-2
PA-28-180, 181	O-360-A4M	AA48110-2
PA-28-235	O-540	AA48110-2
PA-28-151	O-320	AA48110-2
<b>PIPER ARROW</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
PA-28R-180	IO-360, L2A	AA48110-2
PA-28R-180	IO-360-C1CD, L2A	AA48103-2
PA-28R-200 ARROW II	IO-360, L2A	AA48110-2
PA-28R-200 TURBO ARROW III	TSIO-360	AA48108-2
PA-28R-201T	TSIO-360-F1	AA48108-2
<b>PIPER DAKOTA</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter

PA-28-235	O-540-J3A5D	AA48103-2
PA-28-201T	TSIO-360-FB	AA48108-2
<b>PIPER CHEROKEE SIX</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
PA-32-260	O-540	AA48110-2
PA-32-300	IO-540	AA48110-2
PA-32R-300	IO-540-K1AD	AA48103-2
PA-32R-300	TIO-540-S1AD	AA48103-2
PA-32RT-300T	TIO-540-S1AD	AA48103-2
PA-32-301	IO-540-K1G5D	AA48103-2
PA-32-301	TIO-540-S1AD	AA48103-2
PA-32R-301	IO-540-K1G5D	AA48103-2
PA-32R-301	TIO-540-S1AD	AA48103-2
<b>PIPER TOMAHAWK</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
TRAINER PA-38-112	O-235-L2C	AA48103-2
<b>PIPER MALIBU</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
PA-46-301-P	O-235-L2C	AA48109
<b>PIPER MALIBU MIRAGE</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
PA-46-350-P	TIO-540-AE2A	AA48103-2
<b>PIPER APACHE</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
PA-23-150	O-320	AA48110-2
PA-23-160	O-320	AA48110-2
PA-23-235	O-540	AA48110-2
<b>PIPER AZTEC</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
PA-23-250	O-540	AA48110-2
C-PA-23	IO-540	AA48110-2
PA-23-250 TURBO C, D, E, F	IO-540	AA48110-2
PA-23-250 TURBO	TIO-540	AA48110-2
<b>PIPER TWIN COMMANCHE</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
PA-30-160 TURBO	IO-320	AA48110-2
PA-39-160	IO-320	AA48110-2
	LIO-320	AA48110-2
PA-39-160 TURBO	IO-320	AA48110-2
	LIO-320	AA48110-2
<b>PIPER NAVAJO</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
PA-31-300	IO-540	AA48110-2

PA-31-310 TURBO	TIO-540	AA48110-2
PA-31-325	TIO-540-F2BD LTIO-540-F2BD	AA48103-2 AA48103-2
PA-31-350 CHIEFTAIN	TIO-540-J2BD LTIO-540-J2BD	AA48103-2 AA48103-2
PA-31P-425	TIGO-541	AA48104
PA-31P-350 MOJAVE	TIO-540-V2AD LTIO-540-V2AD	AA48104 AA48104
<b>PIPER SENECA</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
PA-34	IO-360-C LIO-360-C	AA48110-2 AA48110-2
PA-34	IO-360-C1E6D LIO-360-C1E6D	AA48103-2
PA-34-200T SENECA II	TSIO-360-E LTSIO-360-E	AA48108-2 AA48108-2
PA-34-220T SENECA III	TSIO-360-KB LTSIO-360-KB	AA48108-2 AA48108-2
<b>PIPER AEROSTAR</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
PA-60-600, 600A	IO-540-G, K	AA48110-2
PA-60-604, 601B	IO-540-P, S	AA48110-2
PA-60-601P	IO-540-S	AA48110-2
PA-60-602P	IO-540-AA1A5	AA48110-2
<b>PIPER SEMINOLE</b>		
Aircraft/Mfg Model	Engine Model	Tempest® Spin-on Filter
PA-44-180	O-360-E1AD	AA48103-2
	O-360-A1H6	AA48110-2
	LO-360-A1H6	AA48110-2
PA-44-180T	TO-360-E1A6D LTO-360-E1A6D	AA48103-2 AA48103-2

\*Although great effort has been made to ensure the accuracy and completeness of this installation eligibility reference chart, responsibility for aircraft airworthiness including the installation of approved replacement parts lies with the aircraft owner/operator. Please refer to FAA approved data or engine/airframe/propeller manufacturer's parts listing for final determination of article approval. We would like your help so we can serve the industry better! If you find errors or omissions in this data, please submit them to Tempest at [information@tempestplus.com](mailto:information@tempestplus.com) or call us at **(800) 822-3200**.