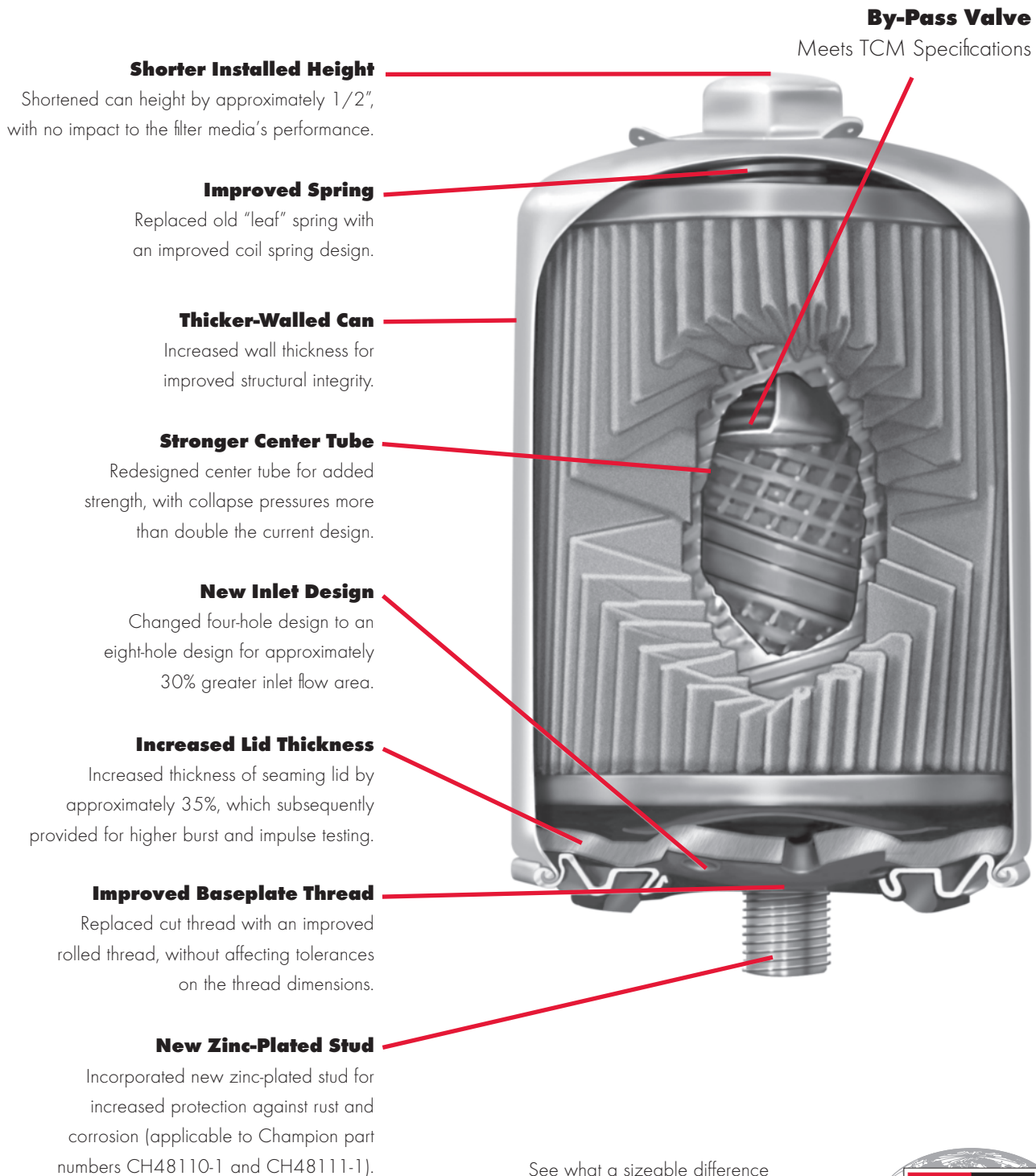


Introducing a New, Improved Shorter Oil Filter

Customers told us the height of a standard oil filter can make it difficult for them to install the filter in certain engine applications.

So, operating on the premise that size really does matter, we made our Champion oil filter can 1/2" shorter and, in the process, added design improvements that now make our filters stronger and more effective than ever before.



See what a sizeable difference 1/2" can make in your life. For more information, call, fax, or log onto www.championaerospace.com



Champion Aerospace's full-pleat, resin-impregnated micronic filter media traps all harmful particles, including metallic chips which result from abnormal engine wear. Because the oil flows through many layers of locked-in fibers, there is no migration of fiber material to clog engine oil passages or affect bearing surfaces. According to industry-approved tests, the Champion oil filter traps and holds more dirt and harmful particles during its normal operating time than any other similar filter.



Oil Filters

Full-Flow Spin-On Filters

Champion Replacement Filter Elements

CFO-100-1 Short Element

CFO-101-1 Long Element

CFO-205 Element Gasket Kit

Oil Filter Packaging Information

Champion Aerospace spin-on oil filters are packaged in individual boxes, with part numbers displayed prominently. All are equipped with an attached installation gasket. Those with male threaded studs have thread protectors to avoid damage.

All sizes of spin-on filters are packed 12 per case of a single part number, in heavy, reshippable corrugated-board cartons.

Champion oil filter elements are individually boxed, each with a plastic bag containing installation gaskets and instructions. This provides ample protection for these elements in storage and assures availability of necessary items for correct installation.

All sizes of replacement elements are packed 12 per case of a single part number in heavy, reshippable corrugated-board cartons.

Spin-On Oil Filters for Teledyne Continental Motors (TCM) Engines

Champion CH48108-1 and CH48109-1 oil filters have been assigned TCM part numbers 649922 and 649923. Many TCM engines have been modified per TCM service bulletins M74-2, M86-6 (Rev.1), Cessna conversion kits or through local field approval. These modifications may require a different filter part number than the one listed in our application data. Following is a list of filter adapters used on TCM engines with the recommended Champion filter.

| Manufacturer | Adapter | Filter |
|--------------|-----------|-----------|
| Cessna | 1250403-2 | CH48110-1 |
| Cessna | 1250922-1 | CH48110-1 |
| Cessna | 1250922-2 | CH48110-1 |
| Cessna | 1250922-3 | CH48110-1 |
| Cessna | 1250922-4 | CH48109-1 |
| Cessna | 1250922-5 | CH48108-1 |
| Cessna | 0556010-1 | CH48110-1 |
| Cessna | 0450404-2 | CH48110-1 |
| TCM633324 | CH48110-1 | |

The airframe or engine manufacturer should be consulted for filter application data on field modified engines.



Lycoming

CH48103-1 CH48104-1
(Interchangeable)



Continental

CH48108-1* (TCM No. 649922) CH48109-1* (TCM No. 649923)
(Interchangeable)



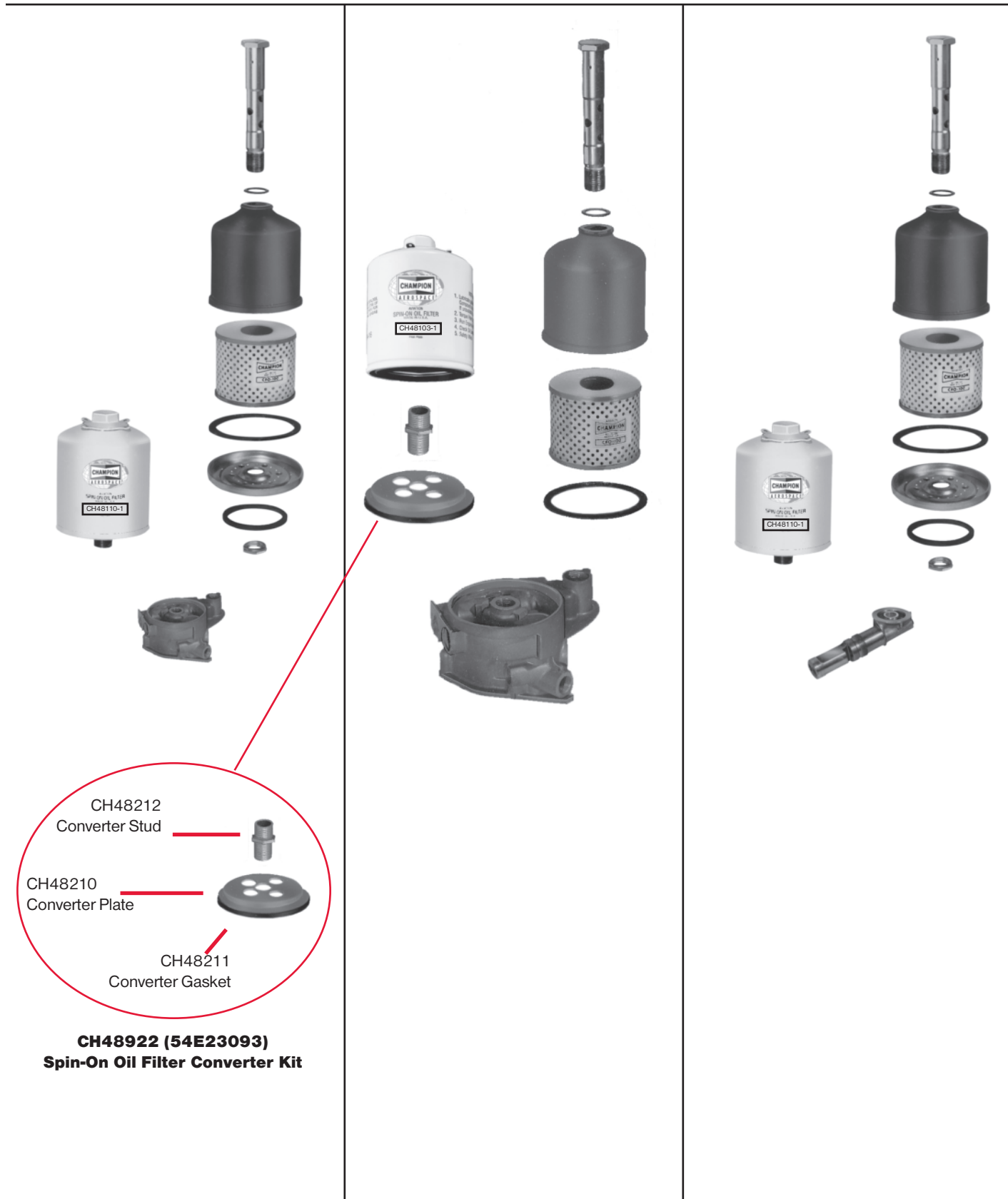
Lycoming and Continental

CH48110-1 CH48111-1
(Interchangeable)

* These filters are equipped with an internal bypass valve. They can be used on any TCM engine equipped with or without a bypass valve in the oil filter engine adapter.

Full-Flow Spin-On Filters

For Lycoming and Continental Engines



CH48212
Converter Stud

CH48210
Converter Plate

CH48211
Converter Gasket

CH48922 (54E23093)
Spin-On Oil Filter Converter Kit

Textron Lycoming now supplies the converter kit, formerly sold under Champion P/N: CH48922. This kit is now available from your Lycoming distributor under P/N: 54E23093.



Oil Filters

Aircraft Engine Applications

| Model | Engine Model | Champion Spin-On Filter | Champion Element | Model | Engine Model | Champion Spin-On Filter | Champion Element |
|-------------------------------|----------------------------|-------------------------|------------------|--|----------------|-------------------------|------------------|
| AEROSPATIALE (Socata) | | | | NOTE: All Cessna aircraft modified under Cessna Service Bulletin SEB-93-1 or MEB 93-1, require Champion Oil Filter CH48108-1. The CH48109-1 may also be used if clearance permits installation. | | | |
| TB9 Tampico | O-320-D2A | CH48110-1 | CFO-100-1 | CESSNA | | | |
| TB10 Tobago | O-360-A1AD | CH48110-1 | CFO-100-1 | 150 A thru M | O-200 | CH48108-1 | CFO-100-1 |
| TB20 Trinidad | IO-540-C4D5D | CH48103-1 | CFO-100-1 | F150 F thru M | O-200 | CH48108-1 | CFO-100-1 |
| TB21 Trinidad TC | TIO-540-AB1AD | CH48103-1 | CFO-100-1 | A150L | O-200 | CH48108-1 | CFO-100-1 |
| TB30 | AEIO-540-L1B5D | CH48103-1 | CFO-100-1 | FA150 | O-200 | CH48108-1 | CFO-100-1 |
| AEROSTAR (See Piper) | | | | 152 | O-235-L2C, H2C | CH48110-1 | - |
| BEECH | | | | 162 | O-200-D | CH48108-1 | - |
| BONANZA | | | | C-172 | | | |
| E33A, F33A, F33B, F33C | IO-520 | - | CFO-100-1 | 172 A thru H | O-300 | CH48108-1 | CFO-100-1 |
| E33A, F33A, F33B, F33C | IO-520B | CH48109-1 | - | 172 I thru M | O-320 | CH48110-1 | CFO-100-1 |
| G-33 | IO-470N | CH48108-1 | - | 172N | O-320-H2AD | CH48103-1 | - |
| H-35 | O-470 | CH48108-1 | - | 172P | O-320-D2J | CH48111-1 | CFO-101-1 |
| J, K, M-35 | IO 470-C | CH48108-1 | - | F172 D thru H | O-300 | CH48108-1 | CFO-100-1 |
| N, P-35 | IO-470-N | CH48108-1 | - | FR172 E thru K | IO-360 | CH48108-1 | CFO-100-1 |
| S35, V35, V35A, V35B | IO-520 | - | CFO-100-1 | R172K | IO-360-K | CH48108-1 | - |
| S35 | IO-520B | CH48109-1 | - | 172R and S | IO-360-L2A | CH48110-1 | - |
| V35TC, V35A-TC, V35B-TC | TSIO-520 | - | CFO-100-1 | 172RG | O-360-F1A6 | CH48110-1 | CFO-100-1 |
| V35TC, V35A-TC, V35B-TC | TSIO-520D | CH48109-1 | - | 172S | IO-360-L2A | CH48110-1 | - |
| V35, V35A, V35B | IO-520B | CH48109-1 | - | 177 | O-320 | CH48110-1 | CFO-100-1 |
| 36, A36 | IO-520B | CH48109-1 | - | 177A, B | O-360-A1F6D | CH48103-1 | CFO-100-1 |
| A36TC, B36TC | TSIO-520-UB | CH48109-1 | - | 177RG | IO-360-A1B6D | CH48103-1 | CFO-100-1 |
| B36-550 | IO-550 | CH48109-1 | - | 180 A thru J | O-470 | CH48108-1 | CFO-100-1 |
| DEBONAIR/BONANZA | | | | 180Q | O-470-U++ | CH48108-1 | CFO-100-1 |
| C33A, E33A, E33C | IO-520 | - | CFO-100-1 | 180-S/N 53087 & Up | 1111O-470-U++ | CH48108-1 | - |
| C33A, E33A, F33C | IO-520B | CH48109-1 | - | C-182 | | | |
| MUSKETEER | | | | 182 A Thru P | O-470 | CH48108-1 | CFO-100-1 |
| Sport III | O-320 | CH48110-1 | CFO-100-1 | 182Q, R | O-470-U++ | CH48108-1 | CFO-100-1 |
| 23 | O-320 | CH48110-1 | CFO-100-1 | 182S | IO-540-AB1A5 | CH48110-1 | - |
| A23-19, 19A, B19 Sport | O-320 | CH48110-1 | CFO-100-1 | A182 K thru N | O-470 | CH48108-1 | CFO-100-1 |
| A23, 23, A23A | IO-346 | - | CFO-100-1 | 182-S/N 67042 & Up | O-470-U++ | CH48108-1 | - |
| A23, A23A | IO-346A | CH48109-1 | - | F182-S/N 00130 & Up | O-470-U++ | CH48108-1 | - |
| B23, C23 Sundowner | O-360 | CH48110-1 | CFO-100-1 | R182 | O-540-J3C5D | CH48103-1 | CFO-100-1 |
| B23 | O-360A4JD | CH48103-1 | CFO-100-1 | T182 | O-540-L3C5D | CH48103-1 | CFO-100-1 |
| SIERRA | | | | TR182, FTR182 | O-540-L3C5D | CH48103-1 | CFO-100-1 |
| 24, A-24, A-24R, B-24R, C-24R | IO-360, -L2A | CH48110-1 | CFO-100-1 | 185 A thru D | IO-470, IO-520 | CH48108-1 | CFO-100-1 |
| SKIPPER | | | | A185E, F | IO-470, IO-520 | CH48108-1 | CFO-100-1 |
| 77 | O-235-L2C | CH48110-1 | - | 185-S/N 03852 & Up | IO-520 | CH48108-1 | - |
| BEECH | | | | 188 | O-470, IO-520 | CH48108-1 | CFO-100-1 |
| BARON | | | | 188-S/N 03474 & Up | IO-520D | CH48109-1 | - |
| C55, D55, E55, 58 | IO-520 | - | CFO-100-1 | T188-S/N 03474 & Up | TSIO-520 | CH48109-1 | - |
| C55, D55, E55, 58 | IO-520C | CH48109-1 | - | 205A | IO-470 | CH48108-1 | CFO-100-1 |
| 56TC, A56TC | TIO-541-E | CH48104-1 | CFO-101-1 | C-206 | IO-540 | CH48110-1 | CFO-100-1 |
| Baron 58P | TSIO-520-L++ | - | CFO-100-1 | 206 A thru G | IO-520 | CH48108-1 | CFO-100-1 |
| Baron 58P, 58TC | TSIO-520-L, -W, -B | CH48108-1 | - | 206H | IO-540-AC1A5 | CH48110-1 | - |
| Baron 58C, 550 | IO-550 | CH48109-1 | - | 206-S/N 05030 & Up | IO-520 | CH48109-1 | - |
| DUKE | | | | 206-S/N 05030 & Up | TSIO-520 | CH48109-1 | - |
| 60, A60, B60 | TIO-541 | CH48104-1 | CFO-101-1 | U206 | IO-520 | CH48108-1 | CFO-100-1 |
| QUEEN AIR | | | | T-206H | TIO540-AJ1A | CH48110-1 | - |
| 65, 70 | IGSO-480 | CH48111-1 | CFO-101-1 | TU-206 | TSIO-520 | CH48108-1 | CFO-100-1 |
| 80, 88, B80 | IGSO-540 | CH48111-1 | CFO-101-1 | P206 | IO-520 | CH48108-1 | CFO-100-1 |
| TRAVEL AIR | | | | TP206 | TSIO-520 | CH48108-1 | CFO-100-1 |
| 95, B95 | O-360 | CH48110-1 | CFO-100-1 | 207 | IO-520 | CH48108-1 | CFO-100-1 |
| B95A, D95A, E95 | IO-360, L2A | CH48110-1 | CFO-100-1 | 207-S/N 05227 & Up | IO-520 | CH48109-1 | - |
| DUCHESS | | | | T207-S/N 05227 & Up | TSIO-520 | CH48109-1 | - |
| 76 | LO-360-A1G6D & O-360-A1G6D | CH48103-1 | | T207 | TSIO-520 | CH48108-1 | CFO-100-1 |
| BELLANCA | | | | 210 | IO-470, IO-520 | CH48108-1 | CFO-100-1 |
| 17-31A, 17-31ATC | IO-540-K | CH48110-1 | CFO-100-1 | 210-S/N 63373-63375 & Up | IO-520 | CH48109-1 | - |
| 17-31A Viking | IO-540-K | CH48110-1 | CFO-100-1 | T210-S/N 63373-63375 & Up | TSIO-520 | CH48108-1 | - |
| 17-31A Viking | IO-520-D | - | CFO-100-1 | P210-S/N 278 & Up | TSIO-520 | CH48108-1 | - |
| 17-31ATC Turbo | TIO-540 | CH48110-1 | CFO-100-1 | T210, P210-S/N 1-277 | TSIO-520++ | CH48108-1 | CFO-100-1 |

Aircraft engines not listed, but equipped with oil filters at overhaul, may accept Champion filters. Contact Aviation Service Department for further information. Please include description of your engine. ++ Reference page 25-26 for other TCM application data. * Requires Lyco (54E23093)

Oil Filters

Aircraft Engine Applications

| Model | Engine Model | Champion Spin-On Filter | Champion Element | Model | Engine Model | Champion Spin-On Filter | Champion Element |
|---|----------------------------|-------------------------|------------------|-------------------------|--------------------|-------------------------|------------------|
| CESSNA | | | | MAULE | | | |
| T303 | LTSIO-520-AE & TSIO-520-AE | CH48109-1 | - | M5-180C, MX7-180 | O-360-C, -C1F | CH48110-1 | |
| 310 C thru Q | IO-470 | CH48108-1 | CFO-100-1 | M5-210C | IO-360D, -L2A | | |
| 310 R | IO-520-M | CH48108-1 | - | M5-210TC | TO-360-C1A6D | CH48103-1 | |
| T310P, Q, R | TSIO-520-B | CH48108-1 | CFO-100-1 | M5-235C, M6-235, M7-235 | O-540-J1A5D | CH48103-1 | |
| 320-A | TSIO-470 | CH48104-1 | - | MX-7-235 | O-540-W1A5D | CH48103-1 | |
| 320-B, C | TSIO-470 | CH48109-1 | CFO-101-1 | MOONEY AIRCRAFT | | | |
| 320-D | TSIO-520 | - | CFO-100-1 | M20A, B, Mark21 | O-360 | CH48110-1 | |
| 320-D, E, F | TSIO-520-B | CH48108-1 | - | M20D Master | O-360 | CH48110-1 | CFO-100-1 |
| 335 | TSIO-520-EB | CH48109-1 | - | M20C Ranger | O-360 | CH48110-1 | |
| 336 | IO-360 | CH48108-1 | CFO-100-1 | M20G Statesman | O-360 | CH48110-1 | CFO-100-1 |
| 337 | IO-360 | CH48108-1 | CFO-100-1 | M20E Chaparral | IO-360, -L2A | CH48110-1 | CFO-100-1 |
| P337, P337H | TSIO-360 | CH48108-1 | CFO-100-1 | M20F Executive | IO-360, -L2A | CH48110-1 | CFO-100-1 |
| T337H | TSIO-360-H | CH48108-1 | CFO-100-1 | M20J-201 | IO-360-A3B6D, -L2A | CH48103-1 | - |
| 340 | TSIO-520-K | CH48108-1 | - | M20K-231 | TSIO-360-G, LB | CH48108-1 | |
| 340A | TSIO-520-N, -NB | CH48109-1 | CFO-100-1 | M20M-TLS | TIO-540-AFIA, B | CH48110-1 | |
| 401/402 | TSIO-520-E | CH48108-1 | CFO-100-1 | M20R | IO-550 | CH48108-1 | - |
| 402C | TSIO-520-VB | CH48109-1 | CFO-100-1 | M22 Mustang | TIO-541 | CH48110-1 | CFO-100-1 |
| 404 | GTSIO-520-M | CH48111-1 | CFO-101-1 | M20K-252 TSE | TSIO-360-MB1 | CH48108-1 | - |
| 411-S/N 000 thru 0126 | GTSIO-520-C | CH48104-1 | - | PIPER | | | |
| 411-S/N 0127 and up | GTSIO-520-C | CH48111-1 | CFO-101-1 | CUB | | | |
| 414, 414A | TSIO-520-J, -N | CH48108-1 | - | PA-18 "150" | O-320 | CH48110-1 | CFO-100-1 |
| 421A, B | GTSIO-520-D, -H, | CH48111-1 | CFO-101-1 | TRI-PACER | | | |
| 421C-S/N 1017 thru 1404 | -L, -N, ++ | CH48111-1 | CFO-101-1 | PA-22 "150" | O-320 | CH48110-1 | CFO-100-1 |
| CIRRUS AIRCRAFT | | | | PA-22 "160" | O-320 | CH48110-1 | CFO-100-1 |
| SRV, SR20 | IO-360ES | CH48108-1 | | COMANCHE | | | |
| SR22 | IO-550N | CH48109-1 | | PA-24 "180" | O-360 | CH48110-1 | CFO-100-1 |
| COLUMBIA/LANCAIR | | | | PA-24 "250" | O-540 or IO-540 | CH48110-1 | CFO-100-1 |
| COLUMBIA 300, 350 | IO-550N | CH48109-1 | CFO-100-1 | PA-24B, PA-24C "260" | O-540 or IO-540 | CH48110-1 | CFO-100-1 |
| COLUMBIA 400 | TS10-550 | CH48109-1 | CFO-100-1 | PA-24 Turbo "260" | IO-540 | CH48110-1 | CFO-100-1 |
| DIAMOND AIRCRAFT | | | | PAWNEE | | | |
| DA20-1C | IO-240 | CH48108-1 | CFO-100-1 | PA-25 "150" | O-320 | CH48110-1 | CFO-100-1 |
| DA40-180 | IO-360 | CH48110-1 | CFO-100-1 | A25 "260" | O-540 | CH48110-1 | CFO-100-1 |
| GULFSTREAM AMERICAN (Single Engine Models) | | | | PA-36 Brave | 6-285B | CH48109-1 | - |
| AA-1, 1A, 1B, 1B Trainer, TR | 2/Lyco O-235 | CH48110-1 | CFO-100-1 | PA-36-375 Brave | IO-720-D1C | CH48110-1 | CFO-100-1 |
| A1C Lynx, T-Cat | Lyco O-235-L | CH48110-1 | CFO-100-1 | PA-36-400 Brave | IO-720D1CD | CH48104-1 | CFO-101-1 |
| AA-5 Traveler | Lyco O-320-E | CH48110-1 | CFO-100-1 | CHEROKEE, CADET | | | |
| AA-5A Cheetah | Lyco O-320-E | CH48110-1 | CFO-100-1 | PA-28 "140" | O-320 | CH48110-1 | CFO-100-1 |
| AA-5B Tiger | Lyco O-360-A4K | CH48110-1 | CFO-100-1 | PA-28 "150" | O-320 | CH48110-1 | CFO-100-1 |
| Cougar | 2/Lyco O-320-D | CH48110-1 | CFO-100-1 | PA-28 "160", "161" | O-320 | CH48110-1 | CFO-100-1 |
| COMMANDER | | | | PA-28 "180" | O-360 | CH48110-1 | CFO-100-1 |
| 112, 112A | IO-360-C, -L2A | CH48110-1 | CFO-100-1 | PA-28 "180", "181" | O-360-A4M | CH48110-1 | CFO-100-1 |
| 112TC | TO-360-C1A6D | CH48103-1 | CFO-100-1 | PA-28 "235" | O-540 | CH48110-1 | CFO-100-1 |
| 114 | IO-540-T4A5D | CH48103-1 | CFO-100-1 | PA-28 "151" | O-320 | CH48110-1 | CFO-100-1 |
| 500B, 500U | IO-540 | CH48110-1 | CFO-100-1 | ARROW | | | |
| 700 | TIO-540-R2AD | CH48103-1 | CFO-100-1 | PA-28R "180" | IO-360, L2A | CH48110-1 | CFO-100-1 |
| | | | | PA-28R "180" | IO-360-C1CD, L2A | CH48103-1 | CFO-100-1 |
| | | | | PA-28R "200" | | | |
| | | | | Arrow II | IO-360, L2A | CH48110-1 | CFO-100-1 |
| | | | | PA-284 "200" | | | |
| | | | | Turbo Arrow III | TSIO-360 | CH48108-1 | - |
| | | | | PA-28-R-201T | TSIO-360-F1 | CH48108-1 | |

Aircraft engines not listed, but equipped with oil filters at overhaul, may accept Champion filters. Contact Aviation Service Department for further information. Please include description of your engine. ++ Reference page 25-26 for other TCM application data. * Requires Lyco (54E23093)

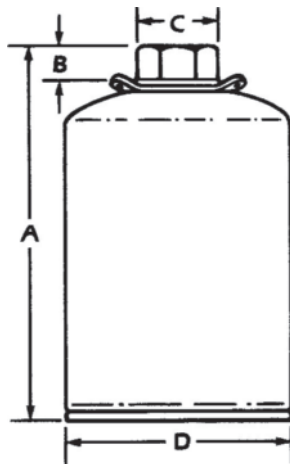


Oil Filters

Aircraft Engine Applications

| Model | Engine Model | Champion Spin-On Filter | Champion Element | Model | Engine Model | Champion Spin-On Filter | Champion Element |
|----------------------|-------------------|-------------------------|------------------|-----------------------|------------------|-------------------------|------------------|
| DAKOTA | | | | TWIN COMMANCHE | | | |
| PA-28-235 | O-540-J3A5D | CH48103-1 * | CFO-100-1 | PA-30 "160" Turbo | IO-320 | CH48110-1 | CFO-100-1 |
| PA-28-201T | TSIO-360-FB | CH48108-1 | - | PA-39 "160" | IO-320 | CH48110-1 | CFO-100-1 |
| | | | | | LIO-320 | CH48110-1 | CFO-100-1 |
| CHEROKEE SIX | | | | PA-39 "160" Turbo | IO-320 | CH48110-1 | CFO-100-1 |
| PA-32 "260" | O-540 | CH48110-1 | CFO-100-1 | | LIO-320 | CH48110-1 | CFO-100-1 |
| PA-32 "300" | IO-540 | CH48110-1 | CFO-100-1 | | | | |
| PA-32R "300" | IO-540-K1AD | CH48103-1 * | CFO-100-1 | NAVAJO | | | |
| PA-32R "300" | TIO-540-S1AD | CH48103-1 * | CFO-100-1 | PA-31 "300" | IO-540 | CH48110-1 | CFO-100-1 |
| PA-32RT-300T | TIO-540-S1AD | CH48103-1 * | CFO-100-1 | PA-31 "310" Turbo | TIO-540 | CH48110-1 | CFO-100-1 |
| PA-32-301 | IO-540-K1G5D | CH48103-1 * | CFO-100-1 | PA-31 "325" | IO-540-F2BD | CH48103-1 | CFO-100-1 |
| PA-32-301 | TIO-540-S1AD | CH48103-1 * | CFO-100-1 | | LTIO-540-F2BD | CH48103-1 | CFO-100-1 |
| PA-32R-301 | IO-540-K1G5D | CH48103-1 * | CFO-100-1 | PA-31 "350" Chieftain | TIO-540-J2BD | CH48103-1 | CFO-100-1 |
| PA-32R-301 | TIO-540-S1AD | CH48103-1 * | CFO-100-1 | | LTIO-540-J2BD | CH48103-1 | CFO-100-1 |
| TOMAHAWK | | | | PA-31P "425" | TIGO-541 | CH48104-1 | CFO-101-1 |
| Trainer PA-38-112 | O-235-L2C | CH48103-1 * | CFO-100-1 | PA-31P "350" Mojave | TIO/LIO-540-V2AD | CH48104-1 | |
| MALIBU | | | | SENECA | | | |
| PA-46-301P | Cont TSIO-520-BE | CH48109-1 | | PA-34 | IO-360C | CH48110-1 | CFO-100-1 |
| MALIBU MIRAGE | | | | | LIO-360C | CH48110-1 | CFO-100-1 |
| PA-46-350-P | Lyc0 TIO-540-AE2A | CH48103-1 | | PA-34 | IO-360-C1E6D | CH48103-1 | CFO-100-1 |
| APACHE | | | | | LIO-360-C1E6D | CH48103-1 | CFO-100-1 |
| PA-23 "150" | O-320 | CH48110-1 | CFO-100-1 | Seneca II | LTSIO-360-E | CH48108-1 | - |
| PA-23 "160" | O-320 | CH48110-1 | CFO-100-1 | | TSIO-360-E | CH48108-1 | - |
| PA-23 "235" | O-540 | CH48110-1 | CFO-100-1 | Seneca III | TSIO-360-KB | CH48108-1 | |
| AZTEC | | | | PA-34-220T | LTSIO-360-KB | CH48108-1 | |
| PA-23 "250" | O-540 | CH48110-1 | CFO-100-1 | PIPER AEROSTAR | | | |
| "C" PA-23 | IO-540 | CH48110-1 | CFO-100-1 | PA-60-600, -600A | IO-540-G, -K | CH48110-1 | CFO-100-1 |
| PA-23 Turbo "250" | IO-540 | CH48110-1 | CFO-100-1 | PA-60-604, -601B | IO-540-P, -S | CH48110-1 | CFO-100-1 |
| "C", "D", "E", "F" | | | | PA-60-601P | IO-540-S | CH48110-1 | CFO-100-1 |
| PA-23 Turbo "250" | TIO-540 | CH48110-1 | CFO-100-1 | PA-60-602P | IO-540-AA1A5 | CH48110-1 | CFO-100-1 |
| | | | | SEMINOLE | | | |
| | | | | PA-44-180 | O-360-E1AD | CH48103-1 * | CFO-100-1 |
| | | | | PA-44-180T | TO-360-E1A6D | CH48103-1 * | CFO-100-1 |
| | | | | | LTO-360-E1A6D | | |

Dimensional Data



Popular spin-on oil filters

| Champion Part No. | A | B | C | D | Thread (SAE) | Dry Weight Lbs./Kg. |
|-------------------|-----------------|-----------------|---------------------|----------------|-----------------|---------------------|
| CH48103-1 | 4.48" (11.4 cm) | 0.43" (1.09 cm) | 1.00" Hex (2.54 cm) | 3.71" (9.4 cm) | 13/16-16-UNS-2B | 1.32lbs. (0.59kg) |
| CH48104-1 | 5.73" (14.6 cm) | 0.43" (1.09 cm) | 1.00" Hex (2.54 cm) | 3.71" (9.4 cm) | 13/16-16-UNS-2B | 1.41lbs. (0.64kg) |
| CH48108-1 | 4.48" (11.4 cm) | 0.43" (1.09 cm) | 1.00" Hex (2.54 cm) | 3.71" (9.4 cm) | 3/4-16-UNF-2B | 1.40lbs. (0.64kg) |
| CH48109-1 | 5.73" (14.6 cm) | 0.43" (1.09 cm) | 1.00" Hex (2.54 cm) | 3.71" (9.4 cm) | 3/4-16-UNF-2B | 1.51lbs. (0.68kg) |
| CH48110-1 | 4.48" (11.4 cm) | 0.43" (1.09 cm) | 1.00" Hex (2.54 cm) | 3.71" (9.4 cm) | 3/4-16-UNF-2A | 1.38lbs. (0.63kg) |
| CH48111-1 | 5.73" (14.6 cm) | 0.43" (1.09 cm) | 1.00" Hex (2.54 cm) | 3.71" (9.4 cm) | 3/4-16-UNF-2A | 1.47lbs. (0.67kg) |

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 (54E23093)