

SERVICE INFORMATION LETTER

Contains Useful Information Pertaining To Your Aircraft Engine

SIL00-7CSupersedes SIL00-7B
TECHNICAL PORTIONS
FAA APPROVED**SUBJECT:** Oil Gage Rod Application**PURPOSE:** To provides engine/aircraft oil gage rod application and instructions for ordering oil gage rods for certain engine specifications as detailed in Table 1.**COMPLIANCE:** During engine installation, maintenance, overhaul or component repair or replacement.**MODELS****AFFECTED:** New and rebuilt Continental Aerospace Technologies (Continental) O-200-A; O-300-A; IO-360-A, CB, D, DB, LB; TSIO-360-D, DB; O-470-GCI, L, R, S, U; IO-470-C, D, E, F, H, L, M, N, V, VO; GTSIO-520-K, M; IO-520-C, CB, D, M, MB; TSIO-520-L, LB, WB; IO-550-A, C, E, and TSIOL-550-A aviation gasoline (AvGas) engines.**I. GENERAL INFORMATION**

Continental Aerospace Technologies™ (Continental®) typically supplies the oil gage rod with new and rebuilt engines. At times, Continental does not include a replacement oil gage rod due to *engine position (twin engine aircraft, left/right or front/rear), field conversion of the engine from one model/specification to another, or a change in engine specification in the field.*

This Service Document provides a reference for oil gage rod application data and replacement part numbers (P/N), by engine model and aircraft. Verify the currently installed oil gage rod part number against the part number specified in the IPC before using this Service Document.

Section II of this SIL lists new and rebuilt engines (by engine model and specification) not shipped with oil gage rods. Whenever an order for an engine listed in Section II, Table 1, is placed, Continental requires a separate “No Charge” order to ensure the correct oil gage rod is provided.

Section III of this SIL provides available oil gage rod part numbers (by engine and aircraft application) for engines referenced in Section II.

II. DETERMINING THE APPLICABLE OIL GAGE ROD

When ordering a replacement oil gage rod, verify your on-hand oil gage rod part number (P/N) against the part number specified in the IPC before using this SIL00-7 (most current version).

1. In most cases, the oil gage rod will be automatically included with the engine and is referenced in the IPC. If the oil gage part number is not identified in the IPC, review the engine model and specification listing in Table 1, and determine if the engine is listed. If the engine is not listed in either the IPC or Table 1, contact Continental Customer Service.
2. If the engine is listed in Table 1; go to Section III, Table 2, and select the correct oil gage rod part number to be ordered (listed by engine and aircraft application). On twin engine aircraft, the installed position of the engine (left/right) determines oil gage rod selection.
3. Compare and confirm your on-hand oil gage rod to the listed oil gage rod part numbers obtained in steps 1. and 2. above.

4. To receive an oil gage rod at “No Charge”, have your engine sales representative contact Continental to request the correct oil gage rod. You will need to provide the engine serial number, oil gage rod part number, and “ship to” delivery address.

The following new and rebuilt engine models/specifications are not shipped with oil gage rods at the time of engine shipment from Continental.

Table 1. Continental Engines Shipped Without Oil Gage Rods

Engine Mode	New / Rebuilt	Engine Specifications
O-200-A	Rebuilt	14B, 14F, 41B, 41F, 42B, 57B, 62B, 65B, 68B, 71B, 72B, 74B, 75B.
O-300-A	Rebuilt	1B, 23B
IO-360-A	Rebuilt	6B, 8B,
IO-360-CB	New	8A, 8B
IO-360-D, DB	Rebuilt	22B
IO-360-LB	Rebuilt	1B
TSIO-360-D, DB	Rebuilt	3B, 4B
O-470-GCI	Rebuilt	1B
O-470-L	Rebuilt	1B, 9B, 9F, 10B, 10F, 16B, 16F, 22B, 23B, 32B, 33B, 34B, 35B, 36B, 37B
O-470-R	New	13B, 15B, 25B, 25U, 35B, 37B, 39B, 41B, 42B, 46B, 50B, 54B, 57B, 60B, 61B, 62B, 63B, 64B, 65B, 67B
O-470-R	Rebuilt	3B, 5B, 5C, 6B, 13B, 14B, 15B, 17B, 25B, 25F, 25K, 25U, 25M, 35B, 37B, 39B, 40B, 41B, 42B, 43B, 44B, 45B, 46B, 47B, 48B, 49B, 50B, 51B, 52B, 53B, 54B, 66B, 67B, 68B
O-470-S	New	1B, 2B, 3B, 4B, 6B, 7B, 9B, 10B, 11B
O-470-S	Rebuilt	1B, 2B, 2K, 3B, 4B, 5B, 6B, 7B, 8B, 9B, 10B, 11B
O-470-U	New	1B, 2B, 5B, 6B, 9B, 10B, 11B, 12B, 13B, 14B, 17B, 18B, 19B, 20B, 21B, 22B, 23B, 24B, 25B, 28B, 29B, 31B, 33B, 35B, 36B, 38B, 40B, 41B, 42B, 44B, 45B
O-470-U	Rebuilt	1B, 2B, 5B, 6B, 9B, 10B, 11B, 12B, 13B, 14B, 14K, 17B, 18B, 18M, 19B, 20B, 21B, 22B, 23B, 24B, 25B, 26B, 27B, 28B, 29B, 20B, 31B, 32B, 33B, 34B, 35B, 36B, 37B, 38B, 39B, 40B, 41B, 42B, 43B, 44B, 45B
IO-470-C	Rebuilt	1B, 8B, 9B,
IO-470-D	Rebuilt	12B, 19B, 27B, 30B, 42B, 44B, 53B, 54B, 56B
IO-470-E	Rebuilt	1B, 6B, 13B, 17B, 18B, 19B, 20B
IO-470-F	Rebuilt	1B, 3B, 4B, 7B, 18B, 19B, 19K, 27B, 28B, 29B, 30B, 31B, 32B, 33B, 34B, 36B
IO-470-H	Rebuilt	1B, 6B
IO-470-L	New	12B, 15B, 19B, 20B, 21B, 22B, 27B
IO-470-L	Rebuilt	5B, 8B, 9B, 11B, 12B, 15B, 19B, 20B, 21B, 22B, 25B, 26B, 27B, 28B, 29B
IO-470-M	Rebuilt	1B, 5B, 6B
IO-470-N	Rebuilt	10B, 10K, 11B, 12B, 13B, 16B, 17B, 18B, 19B, 20B
IO-470-V, VO	New	9B, 16B
IO-470-V, VO	Rebuilt	9B, 16B
GTSIO-520-K	New	1B
GTSIO-520-K	Rebuilt	1B, 5B
GTSIO-520-M	New	1A, 1B, 2A, 2B
GTSIO-520-M	Rebuilt	1B, 2B, 3B
IO-520-C	Rebuilt	2B, 3B, 5B, 6B, 7B, 8B, 9B, 10B, 11B, 12B, 13B, 14B, 15B, 16B, 17B
IO-520-CB	New	2B, 3B, 5B, 7B, 8B, 9A, 9B, 9F, 12B, 13B, 14B, 15B, 17B, 20B, 22B, 23B, 25B, 28B, 30B, 34B, 36B, 37B, 38B, 41B

Table 1. Continental Engines Shipped Without Oil Gage Rods

Engine Mode	New / Rebuilt	Engine Specifications
IO-520-CB	Rebuilt	2B, 3B, 5B, 7B, 8B, 8F, 8W, 9B, 9F, 9W, 10B, 11B, 12B, 15B, 17B, 18B, 19B, 20B, 21B, 22B, 23B, 25B, 26B, 27B, 28B, 29B, 30B, 31B, 33B, 34B, 35B, 36B, 37B, 38B, 39B, 40B, 41B
IO-520-D	New	169B, 184B
IO-520-D	Rebuilt	11B, 169B
IO-520-MB	New	1A, 1B, 2B
IO-520-M, MB	Rebuilt	1B, 2B
TSIO-520-L	Rebuilt	1B, 4B, 7B
TSIO-520-LB	New	1B, 4B
TSIO-520-LB	Rebuilt	1B, 4B, 6B
TSIO-520-WB	New	1B, 1F, 3A, 3B, 3F, 5A, 5B, 5F, 6B
TSIO-520-WB	Rebuilt	1B, 1F, 3B, 3F, 5B, 5F, 6B
IO-550-A	New	2A, 2B, 3B, 4B, 5B, 6B, 7B, 8B
IO-550-A	Rebuilt	2B, 2F, 3B, 4B, 5B, 6B, 7B
IO-550-C	New	1F, 2A, 2F, 3F, 4B, 5F, 6A, 6F, 7F, 8B, 9B, 10B, 11B, 12B, 13B, 14B, 15B, 16B, 17B, 18B, 19B, 21B, 22B, 24B, 25B, 27B, 28B, 29B, 30B, 31B, 32B, 33B, 34B, 35B, 36B
IO-550-C	Rebuilt	1F, 2U, 2F, 3F, 5F, 6F, 7F, 10B, THRU 22B, 24B, 25B, 26B, 28B, 30B, 33B, 34B, 35B
IO-550-E	New	1A, 1B, 6B
IO-550-E	Rebuilt	1B
TSIOL-550-A	New	1A, 1B, 1G, 3B, 5B, 6B, 7B, 8B
TSIOL-550-A	Rebuilt	1G

III. OIL GAGE ROD APPLICATIONS

Use the following data to determine the correct oil gage rod for the engine and aircraft application. Carefully read all aircraft application footnotes in Table 2 to determine the correct replacement oil gage rod part number. It is the responsibility of the person ordering the replacement oil gage rod to verify aircraft application *and* engine position (i.e. twin engine aircraft, left/right or front/rear).

NOTE: Not all oil gage rods listed will be available. Continental reserves the right to discontinue supplying oil gage rods for non-production engines without prior notice.

Table 2. Oil Gage Rod Application

Engine Mode	Aircraft Application	Oil Gage Rod Part Number (P/N)	Footnotes
O-200-A	Cessna (6qt sump)	649608-9	1,2
O-200-A	Cessna (5qt sump)	649608-18	1, 3
O-200-A	Cessna	649608-20	1, 2
O-200-A	Taylorcraft	649608-20	1, 2
IO-240-A	Eagle Aircraft	649608-20	1, 4
IO-240-B	Eagle	649608-43	1, 4
IO-240-B (3,5,7,9)	Diamond	649608-45	1, 4
O-300-A, B, C, D	Cessna 172	628413A1	
IO-360-A, AB	Cessna 336 (8qt sump)	632062-20A1	1
IO-360-A, AB	Cessna 336 (10qt sump)	629851A1	
IO-360-A, AB	Maule	629851A1	
IO-360-A, AB (5)	Maule	632062-7A1	1
IO-360-C, CB, D, DB	Cessna 337	629851A1	
IO-360-D, DB (6)	Cessna T-41 B	632062-1A1	1
IO-360-D, DB (22)	Goodyear Aerospace	632062-13A1	1
IO-360-D, DB (33)	Maule	632062-1A1	1
IO-360-ES	Lancair ES, Questair Spirit, Express, Irkutsk, Ilyushin, YAK 112	649536-1	
IO-360-G, GB	Cessna 337	632062-20A1	1
IO-360-G, GB	Cessna 337	632062-19A1	1
IO-360-H (1,4,6,7), HB (1,4,6,7)	Cessna 337	632062-23A1	1
IO-360-H (2,3,5), HB (2,3,5)	Cessna 337	632062-1A1	1
IO-360-HB (9)	Pacific Aerospace CT-4	632062-1A1	1
IO-360-J (3,5), JB (3,5)	Reims- Cessna (8qt sump)	632062-23A1	1
IO-360-J (1,2,4), JB (1,2,4)	Reims-Cessna (10qt sump)	632062-1A1	1
IO-360-K, KB	Cessna Hawk XP	632062-23A1	1
LTSIO-360-E, EB (right engine)	Piper Seneca II	632062-28A1	1
LTSIO-360-KB (right engine)	Piper Seneca III & IV	632062-28A1	1
TSIO-360-A, AB, B, BB	Cessna T-337	629851-1A1	
TSIO-360-C (3,4), CB (3,4)	P-337	632062-20A1	1
TSIO-360-C (5,6), CB (5,6)	P-337	632062-19A1	1
TSIO-360-D, DB	Reims-Cessna (8qt sump)	632062-19A1	1
TSIO-360-D (1, 2), DB (1, 2)	Reims- Cessna (10qt sump)	629851A1	

Table 2. Oil Gage Rod Application

Engine Mode	Aircraft Application	Oil Gage Rod Part Number (P/N)	Footnotes
TSIO-360-E, EB (left engine)	Piper Seneca II	632062-27A1	1
TSIO-360-F, FB	Piper Arrow	632062-24A1	1
TSIO-360-G, GB, LB	Mooney 231	632062-25A1	1
TSIO-360-H, HB, J, JB	Cessna T-337	632062-19A1	1
TSIO-360-KB (left engine)	Piper Seneca III & IV	632062-27A1	1
TSIO-360-MB	Mooney 252	649536-1	
GIO-470-A	Beagle	629460A1	1, 5
IO-470-C (engine S/N 71473 and below)	Bonanza	626807A1	5
IO-470-C (engine S/N 71474 and above)	Bonanza	627555A1	
IO-470-D	Cessna 310	627995A1	
IO-470-D	Meyers	627995A1	1
IO-470-D (42,56)	Cessna 310	539776A1	1
IO-470-E	Cessna 210	628021A2	
IO-470-F	Cessna 185	632062-14A1	1
IO-470-F	Bellanca	628032A1	
IO-470-G	Lockheed	626807A1	5
IO-470-H	Navion	628230A1	1
IO-470-J	Beech Debonair	627555A1	
IO-470-K	Beech Bonanza	629294A1	
IO-470-L (left engine)	Beech B-55 Baron	629327-1	
IO-470-L (right engine)	Beech B-55 Baron	629327-2	
IO-470-M	Aero Commander	628021A1	1
IO-470-N	Beech Bonanza	629294A1	
IO-470-N (10,11,12)	Beech Bonanza	638152A1	
IO-470-P	Lane Marchetti	627285-1	1, 5
IO-470-R	Lockheed LASA 60	628021A2	
IO-470-S	Cessna 205, 210	632062-2A1	
IO-470-U	Cessna 310	627995A1	
IO-470-V & VO (6, 8)	Cessna 310	627995A1	
IO-470-V / VO, (9) (left engine)	Cessna 310	639589-1A1	
IO-470-V / VO, (9) (right engine)	Cessna 310	639589-2A1	
O-470-A, J, K	Cessna 180	537298A1	6
O-470-B	Cessna 310	539948	1, 5
O-470-G, GCI	Bonanza	626807A1	5
O-470-L	Cessna 182	539792A1	7
O-470-L	Cessna 180	628565A1	
O-470-M	Cessna 310	637261A1	
O-470-M	Meyers	637261A1	
O-470-P	Navion Conversion	539133A1	1, 5
O-470-R (engine S/N 84083 and below)	Cessna 182	539792A1	7
O-470-R	Cessna 182	632062-29A1	1
O-470-R, S & U	Cessna 180	632062-3A1	1
O-470-S & U	Cessna 182	632062-2A1	1

Table 2. Oil Gage Rod Application

Engine Mode	Aircraft Application	Oil Gage Rod Part Number (P/N)	Footnotes
O-470-S & U	Cessna 182	632062-29A1	1
TSIO-470-B	Cessna 320	628021A2	
TSIO-470-C, D	Cessna 320	627995A1	
GTSIO-520-C, D,H, L, M, N (left engine)	Cessna 404, 411 & 421	635160-2A1	
GTSIO-520-C, D,H, L, M, N (right engine)	Cessna 404, 411 & 421	635160-1A1	
GTSIO-520-F, K (left engine)	Aero Commander	635160-8A1	
GTSIO-520-F, K (right engine)	Aero Commander	635160-9A1	
IO-520-A	Cessna 206 & 210	632062-2A1	1
IO-520-A	Meyers	632062-2A1	1
IO-520-B, BA, BB	Beech Bonanza	652171-1	1
IO-520-B, BA, BB (7 th Stud crankcase)	Beech Bonanza	652171-4	1, 8
IO-520-C, CB (left engine)	Beech Baron	649608-4	1
IO-520-C, CB (right engine)	Beech Baron	652171-2	1
IO-520-C, CB (left engine - 7 th Stud crankcase)	Beech Baron	652171-18	1, 8
IO-520-C, CB (right engine - 7 th Stud crankcase)	Beech Baron	652171-16	1, 8
IO-520-D	Cessna 185 & Seaplane	632062-14A1	1
IO-520-D (10)	Bellanca	632062-30A1	1
IO-520-D (11)	Bellanca	632062-12A1	1
IO-520-E (1,2)	Colemill Conversion	632062-2A1	1
IO-520-E (3)	Colemill Conversion	632062-18A1	1, 5
IO-520-F	Cessna 206 & 207	632062-2A1	1
IO-520-J	Cessna 210	632062-16A1	1
IO-520-K	Bellanca	632062-30A1	1
IO-520-L (3,4)	Cessna 210	632062-16A1	1
IO-520-M, MB (left engine)	Cessna 310	649608-32	1
IO-520-M, MB (right engine)	Cessna 310	649608-31	1
IO-520-M, MB (left engine - 7 th Stud crankcase)	Cessna 310	652171-19	1, 8
IO-520-M, MB (right engine - 7 th Stud crankcase)	Cessna 310	652171-14	1, 8
LTSIO-520-AE	Cessna T-303	632062-41A1	
TSIO-520-AE	Cessna T-303	642821-1	
TSIO-520-AF	Cessna P 210 N	632062-16A1	1
TSIO-520-B, BB (left engine)	Cessna 310	649608-27	1
TSIO-520-B, BB (right engine)	Cessna 310	649608-28	1
TSIO-520-B, BB (left engine - 7 th Stud crankcase)	Cessna 310	652171-17	1, 8
TSIO-520-B, BB (right engine - 7 th Stud crankcase)	Cessna 310	652171-12	1, 8
TSIO-520-BE	Piper Malibu PA 46-310P	652171-7	1
TSIO-520-C	Cessna Turbo 206 & 210	632062-2A1	1
TSIO-520-CE	Cessna P-210-R	632062-16A1	1
TSIO-520-D, DB	Beech V-35-TC	652171-1	1
TSIO-520-D, DB (7 th Stud crankcase)	Beech V-35-TC	652171-15	1, 8
TSIO-520-E, EB (left engine)	Cessna 401 & 402	649608-27	1
TSIO-520-E, EB (right engine)	Cessna 401 & 402	649608-28	1

Table 2. Oil Gage Rod Application

Engine Mode	Aircraft Application	Oil Gage Rod Part Number (P/N)	Footnotes
TSIO-520-E, EB (left engine - 7 th Stud crankcase)	Cessna 401 & 402	652171-17	1, 8
TSIO-520-E, EB (right engine - 7 th Stud crankcase)	Cessna 401 & 402	652171-12	1, 8
TSIO-520-G	Cessna 207	632062-2A1	1
TSIO-520-H	Cessna T-210	632062-16A1	1
TSIO-520-J, JB (left engine)	Cessna 414	649608-27	1
TSIO-520-J, JB (right engine)	Cessna 414	649608-28	1
TSIO-520-J, JB (left engine -7 th Stud crankcase)	Cessna 414	652171-17	1, 8
TSIO-520-J, JB (right engine -7 th Stud crankcase)	Cessna 414	652171-12	1, 8
TSIO-520-K, KB (left engine)	Cessna 414	649608-27	1
TSIO-520-K, KB (right engine)	Cessna 414	649608-28	1
TSIO-520-K, KB (left engine -7 th Stud crankcase)	Cessna 414	652171-17	1, 8
TSIO-520-K, KB (right engine -7 th Stud crankcase)	Cessna 414	652171-12	1, 8
TSIO-520-L, LB, WB (left engine)	Beech 58P & 58 TC, Baron	652171-3	1
TSIO-520-L, LB, WB (right engine)	Beech 58P & 58 TC, Baron	652171-2	1
TSIO-520-L, LB, WB (left engine - 7 th Stud crankcase)	Beech 58P & 58 TC, Baron	652171-11	1, 8
TSIO-520-L, LB, WB (right engine - 7 th Stud crankcase)	Beech 58P & 58 TC, Baron	652171-16	1, 8
TSIO-520-M	Cessna Turbo 206 & 207	632062-2A1	1
TSIO-520-N (1), NB (1) (left engine)	Cessna 340	649608-27	1
TSIO-520-N (1), NB (1) (left engine - 7 th Stud crankcase)	Cessna 340	652171-17	1, 8
TSIO-520-N (5,9,13), NB (5,9,13) (left engine)	Cessna 340 & 414	649608-29	1
TSIO-520-N (5, 9,13), NB (5,9,13) (left engine - 7 th Stud crankcase)	Cessna 340 & 414	652171-13	1, 8
TSIO-520-N (2,4,6,8), NB (2,4,6,8) (right engine)	Cessna 340 & 414	649608-28	1
TSIO-520-N (2,4,6,8), NB (2,4,6,8) (right engine - 7 th Stud crankcase)	Cessna 340 & 414	652171-12	1, 8
TSIO-520-NB (7 th Stud crankcase)	Mooney 231 & 252 (Rocket Conversion)	652171-1	1
TSIO-520-P	Cessna P-210-N	632062-16A1	1
TSIO-520-R	Cessna Turbo Centurion	632062-16A1	1
TSIO-520-T	Cessna Turbo Ag Husky	632062-14A1	1
TSIO-520-UB	Beech A 36 TC & B 36 TC Bonanza	652171-1	1
TSIO-520-UB (7 th Stud crankcase)	Beech A 36 TC & B 36 TC Bonanza	652171-4	1, 8
TSIO-520-VB (left engine)	Cessna 402 C	649608-29	1
TSIO-520-VB (right engine)	Cessna 402 C	649608-28	1
TSIO-520-VB, (left engine - 7 th Stud crankcase)	Cessna 402 C	652171-13	1, 8
TSIO-520-VB, (right engine - 7 th Stud crankcase)	Cessna 402 C	652171-12	1, 8
IO-550-A	Mooney Conversion	652171-1	1
IO-550-A (left engine)	310 Conversion	652171-5	
IO-550-A (right engine)	310 Conversion	652171-6	1
IO-550-B	Beech A 36 Bonanza	652171-4	1
IO-550-C (left engine)	Beech 58 Baron	652171-5	1

Table 2. Oil Gage Rod Application

Engine Mode	Aircraft Application	Oil Gage Rod Part Number (P/N)	Footnotes
IO-550-C (right engine)	Beech 58 Baron	652171-6	1
IO-550-D	Cessna 185 & 188 Conversions and Melex Wilga	632062-4A1	1
IO-550-E	Cessna 310 & Beech Baron Conversions	632062-32A1	1
IO-550-F	Cessna 206 Conversions	632062-16A1	1, 9
IO-550-L	Cessna 210 Conversions	632062-16A1	1, 9
IO-550-G, IO-550-N	Cirrus	656616-1	1
IO-550-G, IO-550-N	Lancair	656616-1	1
IO-550-G, IO-550-N	Mooney	656616-1	1
IO-550-G, IO-550-N	Questair	656616-1	1
IO-550-P	Cessna - Conversion	652171-27	1
IO-550-R	Bonanza - Conversion	652171-4	1
TSIO-550-B	Cirrus, Harbin, Lancair	649608-41	1
TSIO-550-C	Piper Malibu Conversion	652171-7	1
TSIO-550-E	Cirrus, Harbin, Lancair	656616-3	1
TSIOL-550-A (left engine)	RAM 414 Conversion	652171-13	1
TSIOL-550-A (right engine)	RAM 414 Conversion	652171-12	1
TSIOL-550-C	Extra EA-400	652171-23	1

- Rod and cap assemblies that contain a leaf spring use P/N 533355 gasket (1/8 inch thick (0.115-0.135)).
Rod and cap assemblies that contain a coil spring use P/N 633240 gasket (1/16 inch thick (0.062)).
Rod and cap assemblies P/N 649608, 652171, and 656616-3 use gasket P/N 642892 (0.088-0.108).
Oil gage rod P/N 632062 uses "O" ring P/N MS9021-011, AS3570-011.
- Use with P/N A50351 oil sump.
- Use with P/N A50352 oil sump.
- Use with P/N 653633 oil sump.
- RFQ ONLY
- Oil gage rod P/N 537298A1 uses "O" ring P/N A53570-010.
- P/N 539792A1 (9.31") supersedes P/N 539792. Use the longer oil gage rod P/N 632062-2A1 (22.43") with an installed oil gage rod housing extension tube.
- For use on engines with 7th cylinder deck stud crankcase configuration.
- P/N 632062-16A1 (10 qt). P/N 632062-2A1 (12 qt).