



Piston Ring Sets, Ring Applications and Recommended End Gaps and Side Clearance for Continental Engines

Engine Model	Steel Barrel	End Gap	Side Clearance	Chrome Barrel	End Gap	Side Clearance
C-75, 85	SA2000-SC*			SA1000-SC*		
PISTON	C SA2000	.021 - .041	.005 - .0065 L	C SA1000	.013 - .031	.005 - .007 L
40327	C SA1000	.013 - .031	.0035 - .0055 L	C SA1000	.013 - .031	.0035 - .0055 L
646287	C SA1000	.013 - .031	.0035 - .0055 L	C SA1000	.013 - .031	.0035 - .0055 L
654841	O SA10206	.013 - .031	.002 - .004 L	O SA1007	.013 - .031	.002 - .004 L
C-90, O-200	SA2000-SC*			SA1000-SC*		
PISTON	C SA2000	.021 - .041	.006 - .008 L	C SA1000	.013 - .031	.006 - .008 L
SA530348	C SA1000	.013 - .031	.005 - .007 L	C SA1000	.013 - .031	.005 - .007 L
646255	C SA1000	.013 - .031	.005 - .007 L	C SA1000	.013 - .031	.005 - .007 L
654749	C SA1000	.013 - .031	.005 - .007 L	C SA1000	.013 - .031	.005 - .007 L
654853	O SA10206	.013 - .031	.002 - .004 L	O SA1007	.013 - .031	.002 - .004 L
C-145, O-300	SA2000-SC*			SA1000-SC*		
PISTON	C SA2000	.021 - .041	.006 - .008 L	C SA1000	.013 - .031	.006 - .008 L
SA530348	C SA1000	.013 - .031	.005 - .007 L	C SA1000	.013 - .031	.005 - .007 L
646255	C SA1000	.013 - .031	.005 - .007 L	C SA1000	.013 - .031	.005 - .007 L
654749	O SA10206	.013 - .031	.002 - .004 L	O SA1007	.013 - .031	.002 - .004 L
654853						
GO-300	SA2000-SC*			SA1000-SC*		
PISTON	C SA2000	.021 - .041	.006 - .008 L	C SA1000	.013 - .031	.006 - .008 L
626146	C SA1000	.013 - .031	.005 - .007 L	C SA1000	.013 - .031	.005 - .007 L
646279	C SA1000	.013 - .031	.005 - .007 L	C SA1000	.013 - .031	.005 - .007 L
654858	O SA10206	.013 - .031	.002 - .004 L	O SA1007	.013 - .031	.002 - .004 L
IO-360-A, C, D, G, H, J, K, AB, CB, DB, GB, HB, JB, KB	SA3610-SC*			SA3364-SC*		
PISTON	C SA639570	.0335 - .0495	.001 - .003 L	C SA3364	.0285 - .0445	.001 - .003 L
630687	C SA639579	.0285 - .0445	.001 - .003 L	C SA3364	.0285 - .0445	.001 - .003 L
642229	O SA639758	.0085 - .0245	.003 - .005 L	O SA3365	.0085 - .0245	.003 - .005 L
646247	S SA630678	.0185 - .0345	.003 - .005 L	S SA630678	.0185 - .0345	.003 - .005 L
648049						
654728						
654861						

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TSIO-360-A, B, C, D, E, F, G, H, AB, DB, CB, EB, FB, GB, HB, JB, KB, LB, LTSIO- 360-E, EB, KB	SA3610-SC*			SA3364-SC*		
PISTON 633428 642230 SA646743 648048 654727 654859	C SA639570 C SA639579 O SA639758 S SA630678	.0335 - .0495 .0285 - .0445 .0085 - .0245 .0185 - .0345	.001 - .003 L .001 - .003 L .003 - .005 L .003 - .005 L	C SA3364 C SA3364 O SA3365 S SA630678	.0285 -0445 .0285 -0445 .0085 -0245 .0185 -0345	.001 - .003 L .001 - .003 L .003 - .005 L .003 - .005 L
E-185, E-225, O-470-A, E, J, IO-470-J, K	SA4000-SC5*			SA4700-SC5*		
PISTON 534895	C SA4001 C SA4001 O SA4707	.043 - .059 .043 - .059 .033 - .049	.0065- .0085L .006 - .008 L .0025-.0045 L	C SA4700 C SA4700 O SA4707	.043 - .059 .043 - .059 .033 - .049	.0075 - .0095 L .007 - .009 L .0025 - .0045 L
E-185, E-225 O-470-A, E, J IO-470-J, K	SA4000-SC2*			SA4701-SC2*		
PISTON 649044 654729 654862	C SA4003 C SA4003 O SA4705 S SA4709	.038 - .054 .038 - .054 .016 - .037 .033 - .049	.015 - .0039 L .015 - .0039 L .002 - .004 L .006 - .008 L	C SA4701 C SA4701 O SA4706A S SA4709	.043 - .059 .043 - .059 .016 - .037 .033 - .049	.0015 - .0039 L .0015 - .0039 L .0015 - .0035 L .006 - .008 L
O-470-K, L, R	SA4000-SC6*			SA4700-SC6*		
PISTON 626992	C SA4001 C SA4001 O SA4707 S SA4709	.043 - .059 .043 - .059 .033 - .049 .033 - .049	.0065 - .0085 L .006 - .008 L .025 - .0045 L .006 - .008 L	C SA4700 C SA4700 O SA4707 S SA4709	.043 - .059 .043 - .059 .033 - .049 .033 - .049	.0075 - .0095 L .0075 - .0095 L .0025 - .0045 L .006 - .008 L
O-470-K, L, R	SA4000-SC3*			SA4700-SC3*		
PISTON 632932	C SA4001 C SA4001 O SA4705 S SA4709	.043 - .059 .043 - .059 .016 - .037 .033 - .049	.065 - .0085 L .006 - .008 L .002 - .004 L .006 - .008 L	C SA4700 C SA4700 O SA4706A S SA4709	.043 - .059 .043 - .059 .016 - .037 .033 - .049	.0075 - .0095 L .007 - .009 L .0015 - .0035 L .006 - .009 L;

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O-470-K, L, R, S, -4, -13, -13A	SA4000-SC2*			SA4701-SC2*		
PISTON						
SA640518	C SA4003	.038 - .054	.0015 - .0039 L	C SA4701	.043 - .059	.0015 - .0039L
646263	C SA4003	.038 - .054	.0015 - .0039 L	C SA4701	.043 - .059	.0015 - .0039L
654744	O SA4705	.016 - .037	.002 - .004 L	O SA4706A	.016 - .037	.0015 - .0035L
654833	S SA4709	.033 - .049	.006 - .008 L	S SA4709	.033 - .049	.006 - .008 L
O-470-G IO-470-C, G, P, R, T	SA4000-SC8*			SA4701-SC8*		
PISTON						
539814	C SA4003	.038 - .054	.0015 - .0039 L	C SA4701	.043 - .059	.0015 - .0039L
	C SA4003	.038 - .054	.0015 - .0039 L	C SA4701	.043 - .059	.0015 - .0039L
	O SA4707	.033 - .049	.0025 - .0045 L	O SA4707	.033 - .049	.0025 - .0045L
O-470-B-G, M, P IO-470-C, G, P, R, T	SA4000-SC2*			SA4701-SC2*		
PISTON						
646772**	C SA4003	.038 - .054	.0015 - .0039 L	C SA4701	.043 - .059	.0015 - .0039L
648028**	C SA4003	.038 - .054	.0015 - .0039 L	C SA4701	.043 - .059	.0015 - .0039L
654721	O SA4705	.016 - .037	.002 - .004 L	O SA4706A	.016 - .037	.0015 - .0035L
654829	S SA4709	.033 - .049	.006 - .008 L	S SA4709	.033 - .049	.006 - .008 L
O-470-B, M, P	SA4000-SC5*			SA4700-SC5*		
PISTON						
537883	C SA4001	.043 - .059	.0065 - .0085 L	C SA4700	.043 - .059	.0075 - .0095L
	C SA4001	.043 - .059	.006 - .008 L	C SA4700	.043 - .059	.007 - .009 L
	O SA4707	.033 - .049	.0025 - .0045 L	O SA4707	.033 - .049	.0025 - .0045L
O-470-11 O-470-7B	SA4000-SC5*			SA4700-SC5*		
PISTON						
531510	C SA4001	.043 - .059	.0065 - .0085 L	C SA4700	.043 - .059	.0075 - .0095L
534895	C SA4001	.043 - .059	.006 - .008 L	C SA4700	.043 - .059	.007 - .009 L
	O SA4707	.033 - .049	.0025 - .0045 L	O SA4707	.033 - .049	.0025 - .0045L

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O-470-4, -13, 13A PISTON 535133	SA4000-SC5* C SA4001 C SA4001 O SA4707	 .043 - .059 .043 - .059 .033 - .049	 .0065 - .0085 L .006 - .008 L .0025 - .0045 L	SA4700 -SC5* C SA4700 C SA4700 C SA4707	 .043 - .059 .043 - .059 .033 - .049	 .0075 - .0095L .0075 - .009 L .0025 - .0045L
IO-470-D, E, F, H, L, M, N, S, U, V PISTON SA627738	SA4000-SC7* C SA4003 C SA4003 O SA4707 S SA4709	 .038 - .054 .038 - .054 .033 - .049 .033 - .049	 .0015 - .0039 L .0015 - .0039 L .0025 - .0045 L .006 - .008 L	SA4701-SC7* C SA4701 C SA4701 O SA4707 S SA4709	 .043 - .059 .043 - .059 .033 - .049 .033 - .049	 .0015 - .0039L .0015 - .0039L .0025 - .0045L .006 - .008 L
IO-470-D, E, F, H, L, M, N, S, U, V O-470-U PISTON 631481 646280 SA648029 654722 654832	SA4000-SC2* C SA4003 C SA4003 O SA4705 S SA4709	 .038 - .054 .038 - .054 .016 - .037 .033 - .049	 .0015 - .0039 L .0015 - .0039 L .002 - .004 L .006 - .008 L	SA4701-SC2* C SA4701 C SA4701 O SA4706A S SA4709	 .043 - .059 .045 - .059 .016 - .037 .033 - .049	 .0015 - .0039L .0015 - .0039L .0015 - .0035L .006 - .008 L
TSIO-470-B, C, D PISTON 629185	SA4000-SC7* C SA4003 C SA4003 O SA4707 S SA4709	 .038 - .054 .038 - .054 .033 - .049 .033 - .049	 .0015 - .0039 L .0015 - .0039 L .0025 - .0045 L .006 - .008 L	SA4701-SC7* C SA4701 C SA4701 O SA4707 S SA4709	 .043 - .059 .045 - .059 .033 - .049 .033 - .049	 .0015 - .0039L .0015 - .0039L .0025 - .0045L .006 - .008 L
TSIO-470-B, C, D PISTON 631540 655988	SA4000-SC2* C SA4003 C SA4003 O SA4705 S SA4709	 .038 - .054 .038 - .054 .016 - .037 .033 - .049	 .0015 - .0039 L .0015 - .0039 L .002 - .004 L .006 - .008 L	SA4701-SC2* C SA4701 C SA4701 O SA4706A S SA4709	 .043 - .059 .043 - .059 .016 - .037 .033 - .049	 .0015 - .0039L .0015 - .0039L .0015 - .0035L .006 - .008 L

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IO-520-A, B, C, D, E, F, J, K, L, M, BA, BB, CB, MB	SA5000-SC5*			SA5201-SC2*		
PISTON						
SA631475	C SA5003A	.028 - .044	.0015 - .004 L	C SA5201	.043 - .059	.0015 - .004 L
646072	C SA5004	.023 - .039	.0015 - .004 L	C SA5202	.043 - .059	.0015 - .004 L
SA648013	O SA5208	.030 - .046	.0035 - .0055 L	O SA5205A	.024 - .040	.0035 - .0055L
648045**	S SA5209	.033 - .049	.006 - .008 L	S SA5209	.033 - .049	.006 - .008 L
TSIO-520B, C, D, E, G, H, J, K, L, M, N, P, R, T, AF, BB, BE, CE, DB, EB, JB, KB, LB, NB, U, UB, VB, WB	SA5000-SC5*			SA5201-SC2*		
PISTON						
632585						
642761**	C SA5003A	.028 - .044	.0015 - .004 L	C SA5201	.043 - .059	.0015 - .004 L
643619**	C SA5004	.023 - .039	.0015 - .004 L	C SA5202	.043 - .059	.0015 - .004 L
SA646303**	O SA5208	.030 - .046	.0035 - .0055 L	O SA5205A	.024 - .040	.0035 - .0055L
648033**	S SA5209	.033 - .049	.006 - .008 L	S SA5209	.033 - .049	.006 - .008 L
SA648044**						
654724						
654840						
L/TSIO-520-AE	SA5000-SC5*			SA5201-SC2*		
PISTON						
648037	C SA5003A	.028 - .044	.0015 - .004 L	C SA5201	.043 - .059	.0015 - .004 L
654723	C SA5004	.023 - .039	.0015 - .004 L	C SA5202	.043 - .059	.0015 - .004 L
654836	O SA5208	.030 - .046	.0035 - .0055 L	O SA5205A	.024 - .040	.0035 - .0055L
	S SA5209	.033 - .049	.006 - .008 L	S SA5209	.033 - .049	.006 - .008 L
GTSIO-520-C, D, F, G, H, K, L, M, N	SA5000-SC5*			SA5201-SC2*		
PISTON						
640945						
642761						
641782						
641883						
641350	C SA5003A	.028 - .044	.0015 - .004 L	C SA5201	.043 - .059	.0015 - .004 L
SA646303	C SA5004	.023 - .039	.0015 - .004 L	C SA5202	.043 - .059	.0015 - .004 L
648033**	O SA5208	.030 - .046	.0035 - .0055 L	O SA5205A	.024 - .040	.0035 - .0055L
SA 648044	S SA5209	.033 - .049	.006 - .008 L	S SA5209	.033 - .049	.006 - .008 L
654724						
654840						

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IO-550-B, C, D, E, F, L	SA5000-SC5*			SA5201-SC2*		
PISTON						
646533	C SA5003A	.028 - .044	.0015 - .004 L	C SA5201	.043 - .059	.0015 - .004 L
648046	C SA5004	.023 - .039	.0015 - .004 L	C SA5202	.043 - .059	.0015 - .004 L
654726	O SA5208	.030 - .046	.0035 - .0055 L	O SA5205A	.024 - .040	.0035 - .0055L
654857	S SA5209	.033 - .049	.006 - .008 L	S SA5209	.033 - .049	.006 - .008 L

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