



**VSP 239**  
**July 9, 2014**

**Date:**

## **VENDOR SERVICE PUBLICATION**

**TO:** All affected owners/operators

**SUBJECT:** **CONTINENTAL CSB14-1 - CYLINDER BARREL FIN INSPECTION**

**MODELS AFFECTED:**

PA-28-201T Turbo Dakota  
PA-28R-201T Turbo Arrow III  
PA-28RT-201T Turbo Arrow IV  
PA-34-200T Seneca II  
PA-34-220T Seneca III  
PA-34-220T Seneca IV  
PA-34-220T Seneca V

**SERIAL NUMBERS AFFECTED:**

All  
All  
All  
All  
All  
All  
All

**COMPLIANCE TIME:** As specified in the attached Continental Motors CSB14-1

**PURPOSE:** Continental Motors, Inc., has released Critical Service Bulletin CSB14-1, Cylinder Barrel Fin Inspection, which requires the inspection of cylinder fins in engine models installed in the affected aircraft. Two cylinders were found to have fractures in the forged steel barrel of the assembly.

**ACTION:** Comply with Continental Motors, Inc., CSB14-1, Cylinder Barrel Fin Inspection.

ATA: 8530

**CONTINENTAL MOTORS® AIRCRAFT ENGINE  
CRITICAL SERVICE BULLETIN**

**CATEGORY 2  
CSB14-1**

**COMPLIANCE NECESSARY TO MAINTAIN SAFETY**

**TECHNICAL PORTIONS  
FAA APPROVED**

**SUBJECT:** Cylinder Barrel Fin Inspection  
**PURPOSE:** Inspection of cylinder barrel fins for continuity  
**COMPLIANCE:** Within the next 10 hours of operation  
**MODELS**  
**AFFECTED:** IO240, IOF240, IO360, L&TSIO360

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**I. General**

CMI has been made aware of two cylinders that were found to have fractures in the forged steel barrel of the assembly. This was caused by a processing discontinuity during the manufacturing of the barrel forging at our supplier. Any of the cylinder part numbers (tapered or straight fin) listed in Tables 1 or 2 that were produced by Continental Motors, Inc. (CMI) between March 1st and July 31st 2013 are affected by this bulletin.

**Affected Cylinder Assembly Part Numbers (P/Ns):**

- 1. 658189A1 (including A2 or A3 configurations)
- 2. 658190A1 (including A2, A3, or A4 configurations)

**II. Scope**

This service bulletin does not alter or modify manufacturer's specification. See applicable overhaul manuals for this information.

**A. Cylinder Identification**

Locate your cylinder serial number as shown in Figure 1. Any cylinder identified matching a serial number from Tables 1 or 2 must be inspected per Section III, "Inspection Procedure".

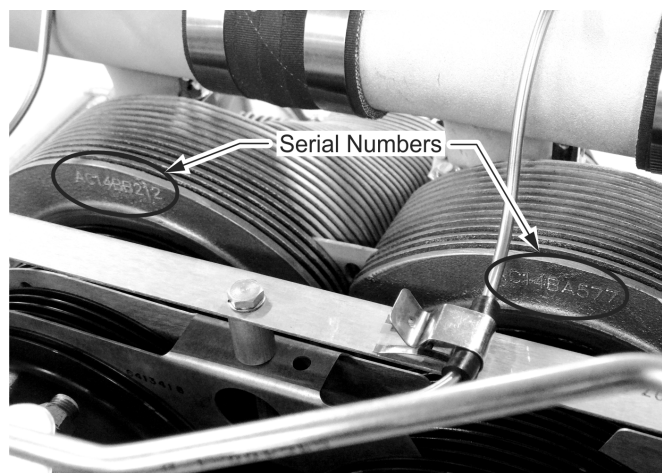


Figure 1. Serial Number Locations, typical

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## B. Inspection Schedule

1. If the cylinder is identified as described above (paragraph A.) and if the cylinder:
  - a. Has NOT been in service or has less than ten hours of operation (after installation); notify CMI for disposition (see Section V, “Warranty,” on page 10).
  - b. Has been in service between 11 hours and 150 hours, comply with inspection procedure (Section III).
  - c. Has been in service for greater than 150 hours, compliance inspection (per this Critical Service Bulletin, CSB14-1) is not required, return to normally scheduled inspection/maintenance intervals in the engine Maintenance and/or Overhaul Manual.
2. Make appropriate engine logbook entry, regardless of effectivity.

## III. Inspection Procedure

1. Pressurize each cylinder using a differential pressure tester in accordance with SB03-3, “Differential Pressure Test and Borescope Inspection Procedures for Cylinders.” The piston should be as close to BDC (bottom dead-center) as possible with both valves closed and maintaining pressure in the cylinder.

NOTE: The pressure is checked at BDC to assure the piston and rings are below the inspection area shown in Figure 2.

2. With 80 PSIG (pounds per square inch gauge) air pressure in the cylinder, inspect for leakage between the first and third barrel fins below the cylinder head with a soap/water solution (see Figure 2). Leakage may reveal a circumferentially oriented crack in the steel barrel portion of the cylinder.
3. If any leakage is noted from the inspection, the cylinder must be REPLACED. Notify the CMI Service Department immediately if any evidence of leakage is detected (1-251-438-3411 or 1-800-718-3411.)

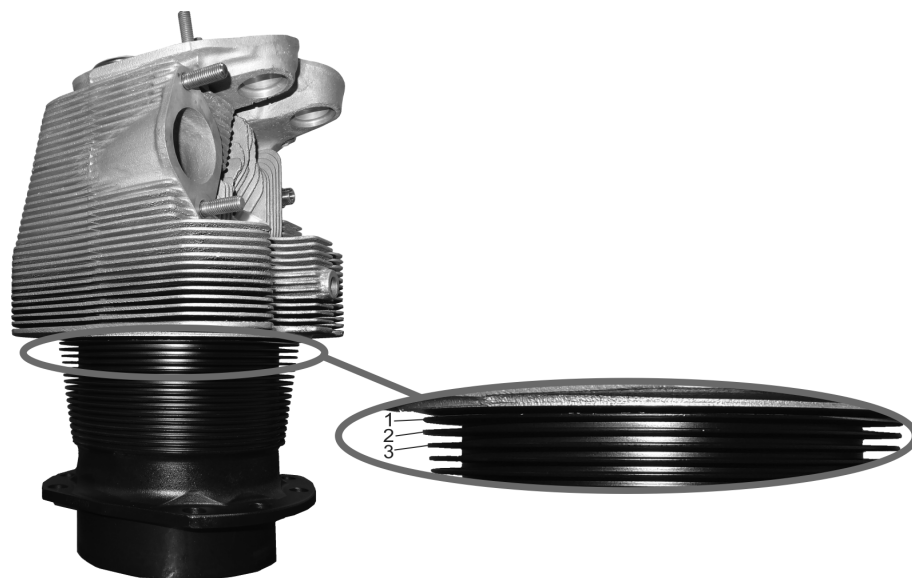


Figure 2. Inspection Area (full perimeter, typical)

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#### IV. Identification Marking

1. Mark all cylinders which have complied with the initial inspection by vibro-etching the letter "A" on the cylinder rocker cover flange (as shown in Figure 3).
2. Once marked, make appropriate engine logbook entry upon completion of inspection.



Figure 3. Identify Inspection Compliance with Vibro-Etch Mark

Table 1. Part Number 658189A1, A2, and A3

Serial Numbers (by row, left to right)					
AC13AA460	AC13AA462	AC13AA528	AC13AA652	AC13AA654	AC13AB367
AC13AB518	AC13AB572	AC13AB659	AC13AB669	AC13AB670	AC13AB674
AC13AB676	AC13AB677	AC13BA666	AC13BA668	AC13BA670	AC13BA671
AC13BA672	AC13BA674	AC13BA679	AC13BA680	AC13BA682	AC13BA684
AC13BA695	AC13BA703	AC13BA704	AC13BA705	AC13BA706	AC13BA708
AC13BA709	AC13BA714	AC13BA715	AC13BA717	AC13BA719	AC13BA720
AC13BA721	AC13BA722	AC13BA723	AC13BA964	AC13BA965	AC13BA966
AC13BA967	AC13BA968	AC13BA969	AC13BA970	AC13BA971	AC13BA972
AC13BA978	AC13BA979	AC13BA980	AC13BA981	AC13BA982	AC13BA983
AC13BA984	AC13BA985	AC13BA986	AC13BA987	AC13BA988	AC13BA990
AC13BA991	AC13BA992	AC13BA993	AC13BA994	AC13BA995	AC13BA996
AC13BA997	AC13BA998	AC13BA999	AC13BB001	AC13BB002	AC13BB003
AC13BB004	AC13BB005	AC13BB007	AC13BB008	AC13BB009	AC13BB010

**Table 1. Part Number 658189A1, A2, and A3**

<b>Serial Numbers (by row, left to right)</b>					
AC13BB011	AC13BB012	AC13BB013	AC13BB014	AC13BB015	AC13BB016
AC13BB017	AC13BB018	AC13BB019	AC13BB020	AC13BB021	AC13BB022
AC13BB023	AC13BB024	AC13BB025	AC13BB026	AC13BB027	AC13BB029
AC13BB030	AC13BB031	AC13BB032	AC13BB034	AC13BB035	AC13BB036
AC13BB037	AC13BB038	AC13BB039	AC13BB040	AC13BB041	AC13BB042
AC13BB043	AC13BB044	AC13BB046	AC13BB047	AC13BB048	AC13BB049
AC13BB050	AC13BB051	AC13BB053	AC13BB054	AC13BB055	AC13BB056
AC13BB057	AC13BB058	AC13BB059	AC13BB060	AC13BB061	AC13BB062
AC13BB063	AC13BB064	AC13BB065	AC13BB066	AC13BB067	AC13BB068
AC13BB069	AC13BB070	AC13BB071	AC13BB072	AC13BB073	AC13BB074
AC13BB075	AC13BB076	AC13BB077	AC13BB078	AC13BB079	AC13BB080
AC13BB081	AC13BB082	AC13BB083	AC13BB084	AC13BB087	AC13BB089
AC13BB090	AC13BB093	AC13BB095	AC13BB097	AC13BB099	AC13BB100
AC13BB101	AC13BB102	AC13BB104	AC13BB109	AC13BB110	AC13BB112
AC13BB116	AC13BB120	AC13BB121	AC13BB122	AC13BB123	AC13BB124
AC13BB125	AC13BB126	AC13BB127	AC13BB128	AC13BB129	AC13BB130
AC13BB132	AC13BB133	AC13BB134	AC13BB135	AC13BB136	AC13BB137
AC13BB138	AC13BB139	AC13BB140	AC13BB141	AC13BB142	AC13BB143
AC13BB144	AC13CA253	AC13CA282	AC13CA303	AC13CA306	AC13CA307
AC13CA311	AC13CA326	AC13CA329	AC13CA336	AC13CA354	AC13CA360
AC13CA361	AC13CA369	AC13CA370	AC13CA371	AC13CA375	AC13CA376
AC13CA400	AC13CA405	AC13CA411	AC13CA413	AC13CB336	AC13CB342
AC13CB350	AC13CB351	AC13CB352	AC13CB359	AC13CB360	AC13CB367
AC13CB368	AC13CB370	AC13CB371	AC13CB373	AC13CB374	AC13CB385
AC13CB386	AC13CB387	AC13CB390	AC13CB395	AC13CB396	AC13CB398
AC13CB400	AC13CB401	AC13CB403	AC13CB405	AC13CB410	AC13CB411
AC13CB412	AC13CB413	AC13CB415	AC13CB416	AC13CB418	AC13CB419
AC13CB420	AC13CB421	AC13CB422	AC13CB423	AC13CB424	AC13CB425
AC13CB428	AC13CB429	AC13CB430	AC13CB433	AC13CB475	AC13CB476
AC13CB503	AC13CB507	AC13CB510	AC13CB512	AC13CB521	AC13CB522
AC13CB525	AC13CB526	AC13CB527	AC13CB528	AC13CB529	AC13CB533
AC13CB539	AC13CB543	AC13CB545	AC13CB549	AC13DA012	AC13DA018
AC13DA024	AC13DA028	AC13DA040	AC13DA044	AC13DA064	AC13DA074
AC13DA096	AC13DA108	AC13DA109	AC13DA114	AC13DA118	AC13DA119
AC13DA121	AC13DB144	AC13DB146	AC13DB147	AC13DB149	AC13DB150
AC13DB152	AC13DB154	AC13DB157	AC13DB158	AC13DB159	AC13DB160
AC13DB162	AC13DB164	AC13DB165	AC13DB166	AC13DB167	AC13DB168
AC13DB169	AC13DB170	AC13DB171	AC13DB172	AC13DB173	AC13DB174

Table 1. Part Number 658189A1, A2, and A3

Serial Numbers (by row, left to right)					
AC13DB175	AC13DB176	AC13DB177	AC13DB178	AC13DB179	AC13DB181
AC13DB183	AC13DB184	AC13DB185	AC13DB186	AC13DB187	AC13DB192
AC13DB196	AC13DB199	AC13DB202	AC13DB203	AC13DB206	AC13DB208
AC13DB210	AC13DB211	AC13DB212	AC13DB213	AC13DB215	AC13DB216
AC13DB218	AC13DB220	AC13DB221	AC13DB224	AC13DB226	AC13DB227
AC13DB228	AC13DB229	AC13DB230	AC13DB231	AC13DB232	AC13DB233
AC13DB234	AC13DB235	AC13DB236	AC13DB237	AC13DB239	AC13DB240
AC13DB241	AC13DB242	AC13DB243	AC13DB246	AC13DB247	AC13DB248
AC13DB250	AC13DB251	AC13DB252	AC13DB253	AC13DB254	AC13DB255
AC13DB256	AC13DB257	AC13DB258	AC13DB259	AC13DB262	AC13DB263
AC13DB264	AC13DB265	AC13DB266	AC13DB267	AC13DB268	AC13DB269
AC13DB270	AC13DB271	AC13DB272	AC13DB273	AC13DB274	AC13DB275
AC13DB276	AC13DB277	AC13DB278	AC13DB279	AC13DB280	AC13DB281
AC13DB282	AC13DB283	AC13DB284	AC13DB285	AC13DB286	AC13DB287
AC13DB289	AC13DB290	AC13DB291	AC13DB292	AC13DB293	AC13DB294
AC13DB295	AC13DB297	AC13DB298	AC13DB299	AC13DB300	AC13DB301
AC13DB303	AC13DB305	AC13DB307	AC13DB308	AC13DB309	AC13DB310
AC13DB311	AC13DB312	AC13DB314	AC13DB315	AC13DB316	AC13DB317
AC13DB319	AC13DB321	AC13DB323	AC13DB324	AC13DB325	AC13DB326
AC13DB327	AC13DB328	AC13DB329	AC13DB330	AC13DB331	AC13DB332
AC13DB333	AC13DB335	AC13DB337	AC13DB339	AC13DB340	AC13DB341
AC13DB342	AC13DB343	AC13DB344	AC13DB345	AC13DB346	AC13DB347
AC13DB348	AC13DB349	AC13DB350	AC13DB351	AC13DB352	AC13DB353
AC13DB354	AC13DB355	AC13DB356	AC13DB358	AC13DB359	AC13DB360
AC13DB361	AC13DB362	AC13DB363	AC13DB364	AC13DB366	AC13DB368
AC13DB369	AC13DB370	AC13DB371	AC13DB373	AC13DB375	AC13DB376
AC13DB377	AC13DB378	AC13DB379	AC13DB380	AC13DB381	AC13DB382
AC13DB385	AC13DB391	AC13DB397	AC13DB404	AC13DB405	AC13DB414
AC13DB415	AC13DB422	AC13DB423	AC13DB424	AC13DB425	AC13DB426
AC13DB429	AC13DB430	AC13DB431	AC13DB434	AC13DB435	AC13DB436
AC13DB437	AC13DB438	AC13DB439	AC13DB441	AC13DB442	AC13DB443
AC13DB444	AC13DB446	AC13DB450	AC13DB452	AC13DB453	AC13DB455
AC13DB457	AC13DB458	AC13DB463	AC13DB465	AC13DB467	AC13DB474
AC13DB475	AC13DB476	AC13DB477	AC13DB478	AC13DB479	AC13DB480
AC13DB482	AC13DB483	AC13DB485	AC13DB487	AC13DB499	AC13EA692
AC13EA694	AC13EA695	AC13EA697	AC13EA703	AC13EA705	AC13EA710
AC13EA711	AC13EA713	AC13EA715	AC13EA717	AC13EA719	AC13EA723
AC13EA726	AC13EA727	AC13EA731	AC13EA734	AC13EA735	AC13EA736

**Table 1. Part Number 658189A1, A2, and A3**

<b>Serial Numbers (by row, left to right)</b>					
AC13EA741	AC13EA742	AC13EA743	AC13EA744	AC13EA745	AC13EA746
AC13EA748	AC13EA750	AC13EA751	AC13EA756	AC13EA757	AC13EA758
AC13EA759	AC13EA760	AC13EA763	AC13EA764	AC13EA767	AC13EA769
AC13EA770	AC13EA773	AC13EA774	AC13EA776	AC13EA777	AC13EA778
AC13EA779	AC13EA781	AC13EA783	AC13EA786	AC13EA787	AC13EA789
AC13EA791	AC13EA792	AC13EA793	AC13EA794	AC13EA795	AC13EA796
AC13EA797	AC13EA799	AC13EA800	AC13EA801	AC13EA802	AC13EA803
AC13EA804	AC13EA807	AC13EA808	AC13EA809	AC13EA810	AC13EB055
AC13EB057	AC13EB060	AC13EB061	AC13EB062	AC13EB065	AC13EB066
AC13EB070	AC13EB071	AC13EB072	AC13EB073	AC13EB074	AC13EB077
AC13EB078	AC13EB079	AC13EB080	AC13EB081	AC13EB082	AC13EB083
AC13EB084	AC13EB085	AC13EB086	AC13EB087	AC13EB088	AC13EB089
AC13EB090	AC13EB091	AC13EB092	AC13EB093	AC13EB094	AC13EB095
AC13EB096	AC13EB097	AC13EB098	AC13EB099	AC13EB100	AC13EB101
AC13EB102	AC13EB103	AC13EB104	AC13EB105	AC13EB106	AC13EB107
AC13EB108	AC13EB109	AC13EB110	AC13EB111	AC13EB112	AC13EB113
AC13EB117	AC13EB118	AC13EB119	AC13EB123	AC13EB126	AC13EB128
AC13EB130	AC13EB131	AC13EB133	AC13EB134	AC13EB135	AC13EB136
AC13EB138	AC13EB140	AC13EB141	AC13EB143	AC13EB144	AC13EB145
AC13EB146	AC13EB148	AC13EB151	AC13EB153	AC13EB154	AC13EB155
AC13EB157	AC13EB158	AC13EB159	AC13EB160	AC13EB161	AC13EB164
AC13EB165	AC13EB166	AC13EB167	AC13EB173	AC13EB174	AC13EB175
AC13EB176	AC13EB177	AC13EB178	AC13EB179	AC13EB182	AC13EB183
AC13EB190	AC13EB192	AC13EB193	AC13EB194	AC13EB198	AC13EB200
AC13EB201	AC13EB206	AC13EB207	AC13EB209	AC13EB210	AC13EB213
AC13EB215	AC13EB217	AC13EB218	AC13EB219	AC13EB223	AC13EB224
AC13EB225	AC13EB226	AC13EB228	AC13EB229	AC13FA364	AC13FA365
AC13FA366	AC13FA367	AC13FA368	AC13FA369	AC13FA370	AC13FA372
AC13FA373	AC13FA374	AC13FA376	AC13FA377	AC13FA378	AC13FA381
AC13FA382	AC13FA384	AC13FA387	AC13FA388	AC13FA389	AC13FA391
AC13FA393	AC13FA400	AC13FA401	AC13FA402	AC13FA403	AC13FA404
AC13FA407	AC13FA408	AC13FA409	AC13FA410	AC13FA411	AC13FA413
AC13FA414	AC13FA415	AC13FA417	AC13FA419	AC13FA420	AC13FA421
AC13FA423	AC13FA427	AC13FA473	AC13FA984	AC13FB022	AC13FB563
AC13FB567	AC13FB575	AC13FB580	AC13FB581	AC13FB583	AC13FB584
AC13FB590	AC13FB592	AC13FB595	AC13FB596	AC13FB608	AC13FB613
AC13FB624	AC13FB640	AC13FB641	---	---	---
<i>End of list for part number 658189A1</i>					

**Table 2. Part Number 658190A1, A2, A3, and A4**

<b>Serial Numbers (by row, left to right)</b>					
AC13AB460	AC13AB499	AC13AB519	AC13AB548	AC13AB588	AC13AB592
AC13AB596	AC13AB600	AC13AB609	AC13AB611	AC13AB626	AC13AB633
AC13AB634	AC13AB636	AC13AB637	AC13AB638	AC13AB639	AC13AB640
AC13AB641	AC13AB642	AC13AB643	AC13AB644	AC13AB645	AC13AB646
AC13AB647	AC13AB648	AC13AB649	AC13AB650	AC13AB651	AC13AB652
AC13AB654	AC13AB655	AC13AB656	AC13AB657	AC13AB658	AC13AB660
AC13AB661	AC13AB663	AC13AB664	AC13AB665	AC13AB666	AC13AB667
AC13AB668	AC13AB671	AC13AB672	AC13AB673	AC13AB675	AC13AB681
AC13BA667	AC13BA669	AC13BA673	AC13BA675	AC13BA676	AC13BA677
AC13BA678	AC13BA681	AC13BA683	AC13BA685	AC13BA686	AC13BA687
AC13BA688	AC13BA689	AC13BA690	AC13BA691	AC13BA692	AC13BA693
AC13BA694	AC13BA696	AC13BA697	AC13BA698	AC13BA699	AC13BA700
AC13BA701	AC13BA702	AC13BA707	AC13BA710	AC13BA711	AC13BA712
AC13BA713	AC13BA716	AC13BA718	AC13BB085	AC13BB086	AC13BB088
AC13BB094	AC13BB096	AC13BB103	AC13BB105	AC13BB106	AC13BB108
AC13BB111	AC13BB113	AC13BB114	AC13BB117	AC13BB118	AC13BB119
AC13CA242	AC13CA243	AC13CA244	AC13CA245	AC13CA246	AC13CA247
AC13CA248	AC13CA250	AC13CA251	AC13CA252	AC13CA254	AC13CA255
AC13CA256	AC13CA257	AC13CA258	AC13CA259	AC13CA260	AC13CA262
AC13CA263	AC13CA264	AC13CA265	AC13CA266	AC13CA267	AC13CA268
AC13CA269	AC13CA270	AC13CA271	AC13CA272	AC13CA273	AC13CA274
AC13CA275	AC13CA276	AC13CA277	AC13CA278	AC13CA280	AC13CA281
AC13CA283	AC13CA286	AC13CA287	AC13CA288	AC13CA289	AC13CA290
AC13CA291	AC13CA292	AC13CA293	AC13CA294	AC13CA295	AC13CA296
AC13CA297	AC13CA298	AC13CA299	AC13CA300	AC13CA301	AC13CA302
AC13CA304	AC13CA305	AC13CA308	AC13CA309	AC13CA310	AC13CA312
AC13CA313	AC13CA314	AC13CA315	AC13CA316	AC13CA317	AC13CA318
AC13CA319	AC13CA320	AC13CA321	AC13CA322	AC13CA323	AC13CA324
AC13CA325	AC13CA327	AC13CA328	AC13CA330	AC13CA331	AC13CA332
AC13CA333	AC13CA334	AC13CA335	AC13CA338	AC13CA339	AC13CA340
AC13CA341	AC13CA342	AC13CA343	AC13CA344	AC13CA345	AC13CA346
AC13CA347	AC13CA348	AC13CA349	AC13CA351	AC13CA352	AC13CA353
AC13CA355	AC13CA358	AC13CA362	AC13CA363	AC13CA364	AC13CA365
AC13CA366	AC13CA367	AC13CA368	AC13CA372	AC13CA373	AC13CA374
AC13CA377	AC13CA378	AC13CA379	AC13CA380	AC13CA381	AC13CA382
AC13CA383	AC13CA384	AC13CA385	AC13CA386	AC13CA387	AC13CA388
AC13CA389	AC13CA392	AC13CA393	AC13CA394	AC13CA395	AC13CA396
AC13CA397	AC13CA398	AC13CA399	AC13CA401	AC13CA402	AC13CA403



**Table 2. Part Number 658190A1, A2, A3, and A4**

<b>Serial Numbers (by row, left to right)</b>					
AC13CA404	AC13CA406	AC13CA407	AC13CA408	AC13CA410	AC13CA412
AC13CA414	AC13CA415	AC13CA416	AC13CA417	AC13CA418	AC13CA419
AC13CB323	AC13CB324	AC13CB325	AC13CB326	AC13CB327	AC13CB328
AC13CB329	AC13CB330	AC13CB331	AC13CB332	AC13CB333	AC13CB334
AC13CB335	AC13CB337	AC13CB338	AC13CB339	AC13CB340	AC13CB341
AC13CB343	AC13CB344	AC13CB345	AC13CB346	AC13CB347	AC13CB348
AC13CB349	AC13CB353	AC13CB354	AC13CB355	AC13CB356	AC13CB357
AC13CB358	AC13CB361	AC13CB362	AC13CB363	AC13CB364	AC13CB365
AC13CB366	AC13CB369	AC13CB372	AC13CB375	AC13CB376	AC13CB377
AC13CB378	AC13CB379	AC13CB380	AC13CB381	AC13CB382	AC13CB388
AC13CB389	AC13CB391	AC13CB392	AC13CB393	AC13CB394	AC13CB397
AC13CB399	AC13CB402	AC13CB404	AC13CB407	AC13CB408	AC13CB409
AC13CB414	AC13CB426	AC13CB427	AC13CB431	AC13CB432	AC13CB434
AC13CB435	AC13CB436	AC13CB437	AC13CB438	AC13CB439	AC13CB440
AC13CB441	AC13CB442	AC13CB443	AC13CB444	AC13CB445	AC13CB446
AC13CB447	AC13CB449	AC13CB450	AC13CB451	AC13CB452	AC13CB453
AC13CB454	AC13CB455	AC13CB456	AC13CB457	AC13CB458	AC13CB459
AC13CB460	AC13CB461	AC13CB462	AC13CB463	AC13CB464	AC13CB465
AC13CB466	AC13CB467	AC13CB468	AC13CB469	AC13CB470	AC13CB471
AC13CB472	AC13CB473	AC13CB474	AC13CB477	AC13CB478	AC13CB479
AC13CB480	AC13CB481	AC13CB482	AC13CB483	AC13CB484	AC13CB485
AC13CB486	AC13CB487	AC13CB488	AC13CB489	AC13CB490	AC13CB491
AC13CB492	AC13CB493	AC13CB494	AC13CB495	AC13CB496	AC13CB497
AC13CB498	AC13CB499	AC13CB501	AC13CB502	AC13CB504	AC13CB505
AC13CB506	AC13CB509	AC13CB511	AC13CB513	AC13CB514	AC13CB515
AC13CB516	AC13CB517	AC13CB518	AC13CB519	AC13CB520	AC13CB523
AC13CB531	AC13CB534	AC13CB535	AC13CB536	AC13CB537	AC13CB538
AC13CB540	AC13CB541	AC13CB542	AC13CB544	AC13CB546	AC13CB547
AC13CB550	AC13CB551	AC13CB552	AC13CB553	AC13CB554	AC13CB555
AC13CB556	AC13CB557	AC13CB558	AC13CB559	AC13CB560	AC13CB561
AC13CB562	AC13DA003	AC13DA004	AC13DA005	AC13DA006	AC13DA007
AC13DA008	AC13DA009	AC13DA010	AC13DA013	AC13DA014	AC13DA015
AC13DA016	AC13DA017	AC13DA019	AC13DA020	AC13DA022	AC13DA023
AC13DA025	AC13DA026	AC13DA027	AC13DA029	AC13DA030	AC13DA031
AC13DA032	AC13DA033	AC13DA034	AC13DA035	AC13DA036	AC13DA038
AC13DA039	AC13DA041	AC13DA042	AC13DA043	AC13DA045	AC13DA046
AC13DA047	AC13DA048	AC13DA050	AC13DA051	AC13DA052	AC13DA054
AC13DA055	AC13DA056	AC13DA057	AC13DA058	AC13DA059	AC13DA060

Table 2. Part Number 658190A1, A2, A3, and A4

Serial Numbers (by row, left to right)					
AC13DA061	AC13DA062	AC13DA063	AC13DA066	AC13DA067	AC13DA068
AC13DA069	AC13DA070	AC13DA071	AC13DA072	AC13DA073	AC13DA075
AC13DA076	AC13DA077	AC13DA079	AC13DA080	AC13DA081	AC13DA082
AC13DA083	AC13DA084	AC13DA085	AC13DA086	AC13DA087	AC13DA088
AC13DA089	AC13DA090	AC13DA093	AC13DA094	AC13DA095	AC13DA097
AC13DA098	AC13DA099	AC13DA100	AC13DA101	AC13DA102	AC13DA103
AC13DA104	AC13DA105	AC13DA106	AC13DA107	AC13DA110	AC13DA111
AC13DA112	AC13DA113	AC13DA115	AC13DA116	AC13DA117	AC13DA120
AC13DB148	AC13DB151	AC13DB153	AC13DB155	AC13DB156	AC13DB163
AC13DB180	AC13DB182	AC13DB188	AC13DB190	AC13DB191	AC13DB193
AC13DB194	AC13DB195	AC13DB197	AC13DB198	AC13DB200	AC13DB204
AC13DB205	AC13DB207	AC13DB209	AC13DB214	AC13DB217	AC13DB219
AC13DB222	AC13DB244	AC13DB288	AC13DB296	AC13DB302	AC13DB304
AC13DB318	AC13DB320	AC13DB334	AC13DB336	AC13DB338	AC13DB365
AC13DB367	AC13DB372	AC13DB384	AC13DB389	AC13DB390	AC13DB392
AC13DB396	AC13DB398	AC13DB399	AC13DB401	AC13DB407	AC13DB408
AC13DB409	AC13DB410	AC13DB411	AC13DB412	AC13DB416	AC13DB421
AC13DB432	AC13DB433	AC13DB445	AC13DB451	AC13DB454	AC13DB456
AC13DB459	AC13DB460	AC13DB462	AC13DB466	AC13DB468	AC13DB469
AC13DB470	AC13DB471	AC13DB472	AC13DB473	AC13DB481	AC13DB484
AC13DB486	AC13DB488	AC13DB489	AC13DB490	AC13DB491	AC13DB494
AC13DB495	AC13DB496	AC13DB497	AC13DB498	AC13DB500	AC13DB501
AC13DB502	AC13EA696	AC13EA700	AC13EA701	AC13EA704	AC13EA706
AC13EA707	AC13EA708	AC13EA709	AC13EA712	AC13EA716	AC13EA718
AC13EA720	AC13EA724	AC13EA733	AC13EA749	AC13EA754	AC13EA755
AC13EA766	---	---	---	---	---
<i>End of list for part number 658190A1</i>					

## V. Warranty

The actions required to comply with this bulletin are covered by the applicable engine warranty policy in effect at the time the engine was purchased. Continental Motors, Inc. reserves the right to request copies of invoices and maintenance records to verify warranty applicability.

NOTE: Visit the Continental Motors, Inc. web site at [www.continentalmotors.aero](http://www.continentalmotors.aero) or call 1 (800) 326-0089 to obtain copies of CMI Warranty Policies.

Complete the attached **Compliance Form CSB14-1, along with a copy of the work invoice, original purchase receipt for the part and a copy of the repair agency's W-9**, immediately upon completion for reimbursement.

### A. Allowances/Reimbursements

Table 3. Cylinder inspection labor allowance shall be:

Scope of Work	Labor Allowance (hr)
Initial inspection (identify affected serial numbers and mark ALL cylinders)	.5
Pressure check single cylinder	1
Pressure check each additional cylinder	.5

Table 4. Cylinder replacement (if required, per Section III, "Inspection Procedure" ) labor allowance shall be:

Scope of Work	Labor Allowance (hr)
Single cylinder (non-turbocharged) - add 4 hours per cylinder for a second or third cylinder on the same side - add .5 hours per cylinder if equipped with multi-probe EGT/CHT	6
Single cylinder (turbocharged) - add 5 hours per cylinder for a second or third cylinder on the same side - add .5 hours per cylinder if equipped with multi-probe EGT/CHT	8

### B. Parts Return Instructions (if required, per Section III, "Inspection Procedure" )

Replacement parts required to comply with this bulletin must be ordered directly from Continental Motors Factory Service Center (Fairhope) at 1 (251) 990-5080 or 1 (877) 777-1870, ext. 3099.

As noted above, if the cylinder is identified as a required replacement (per Section III, "Inspection Procedure" ), order a replacement cylinder and return the removed cylinder to the following address:

Continental Motors Factory Service Center  
C/O CSB14-1  
8600 Country Road 32  
Fairhope, Alabama 36532

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Submit the completed compliance package (in its entirety) no later than **one year from date of issuance of this service document** via postal service or fax to the following:

Continental Motors

C/O CSB14-1

P.O. Box 90

Mobile, AL 36601

or via Fax to 1 (251) 436-8270

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**COMPLIANCE FORM  
CSB14-1**

**Complete one form for each affected engine or aftermarket part**

<b>Owner Name:</b>	<b>Phone:</b>	<b>Date:</b>
<b>Address:</b>		
<b>City:</b>	<b>State/Province and Country:</b>	<b>Postal/Zip Code:</b>
<b>FBO Name:</b>	<b>Phone:</b>	<b>Fax:</b>
<b>Address:</b>		
<b>City:</b>	<b>State/Province and Country:</b>	<b>Postal/Zip Code:</b>
<b>FBO Posted Labor Rate:</b>	<b>Labor Hours Applied:</b>	<b>Total Cost</b>
<input type="checkbox"/> Check here to send reimbursement payment to FBO address (leave shaded section blank) <input type="checkbox"/> Check here and complete this shaded section to send reimbursement payment to alternate address:		
<b>Name:</b>	<b>Phone:</b>	<b>Fax:</b>
<b>Address:</b>		
<b>City:</b>	<b>State/Province and Country:</b>	<b>Postal/Zip Code:</b>
<b>Aircraft Registration Number:</b>	<b>Aircraft Make/Model:</b>	<b>Aircraft Serial Number:</b>
<b>Engine Model:</b>	<b>Engine Serial Number:</b>	<b>Installed Engine Position:</b>
<b>Engine Total Time (hours):</b>	<b>Date Engine Placed in Service: (YYYY/MM/DD)</b>	

Continental Motor's Fax number is 1 (251) 436-8270.

Repair Agent (print name): \_\_\_\_\_

Repair Agent (signature): \_\_\_\_\_

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