

MANDATORY

SERVICE BULLETIN

DATE: May 10, 2010 Service Bulletin No. 591A
(Supersedes Service Bulletin No. 591)
Engineering Aspects are
FAA (DER) Approved

SUBJECT: Reprint of Kelly Mandatory Service Bulletin No. 039A, Turbine Wheel Replacement.

MODELS AFFECTED: All Lycoming engines equipped with a rebuilt Kelly Aerospace Energy Systems turbocharger manufactured between January 2007 and June 2009 as per the part effectivity in Table I and per the serial number effectivity in Table III found in the attached reprint.

TIME OF COMPLIANCE: Within 10 hours of engine operation or at the next maintenance event, whichever occurs first.

Kelly Aerospace Energy Systems, LLC Service Bulletin No. 039A is reprinted in its entirety as follows. Lycoming requires compliance with all elements of this Service Bulletin and with the additional notes listed below.

This reprint is current at the time Lycoming Service Bulletin No. 591A is issued. However, when complying with this Service Bulletin, insure that compliance is in accordance with the latest revision of **Kelly Aerospace Energy Systems, LLC Service Bulletin No. 039.**

NOTE 1

At the time of this reprint, none of the affected rebuilt reclaimed turbochargers listed in either Table 1 or Table III were either shipped from Lycoming as spares or as engine components. However, as part of Lycoming's continuing commitment to quality, we are reprinting Kelly Aerospace Bulletin No. 039A.

NOTE 2

Contact information for Kelly Aerospace Systems is:

Kelly Aerospace Energy Systems, LLC
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Service Bulletin

Compliance is Considered Mandatory

The technical content of this bulletin is FAA Approved

Bulletin No. 039 A

Issue Date: Feb. 10, 2010

REASON FOR REVISION: Correct Table I chart by adding P/N 406610-9028, Ref. Table page 6 correct.

TURBINE WHEEL REPLACEMENT

INTRODUCTION:

Kelly Aerospace Energy Systems, LLC (KAES) has become aware of an in-house processing condition affecting some turbine wheel assemblies reclaimed for a number of rebuilt turbocharger models. This condition may result in an inoperable turbocharger and partial or total loss of engine oil. On both the 400 series (Garrett type) and 600 series (Rajay type) turbochargers, field inspection of the T-wheel for a suspect condition is not feasible. Turbochargers must be removed and evaluated using specialized equipment not generally available in most repair centers. *Any Service spare T-wheel supplied by KAES will not apply to this service bulletin as we sell only new assemblies.* Continued operation of the turbocharger with a suspect T-wheel, **may result in a complete loss of turbocharger function without warning** causing a partial or total loss of engine power.

This Service Bulletin is being issued to mandate the removal and replacement of suspect T-Wheel assemblies as installed by KAES between January 2007 and June 2009 and as listed in the effectivity Table I below. *New T-wheel assemblies used in any application on any model are not affected.*

COMPLIANCE:

At the next scheduled inspection event not to exceed ten (10) hours time in service. ***The possibility of turbocharger failure without warning with partial or total loss of engine power exists, it is recommended that flights be limited to delivering the aircraft to a service facility.***

EFFECTIVITY:

Any aircraft or engine utilizing a rebuilt KAES turbocharger manufactured between January 2007 and June 2009 as per the part number effectivity Table I below. (For basic identification guidance, see reference Table IV page 6 and 7.)

TABLE I - Rebuilt Turbocharger Part Numbers

406610-9005	406610-9015	406610-9018	406610-9019	406610-9020	406610-9021	406610-9025
406610-9026	406610-9028	406610-9029	406610-9030	406610-9032	407810-9001	406990-9004
408610-9001	409170-9001	409680-9011	465680-9001	465680-9004	465680-9005	465930-9002
465930-9003	465292-9002	465292-9004	465398-9002	407540-9003	466881-9001	466642-9001
466642-9002	466642-9005	466304-9003	600572-9000*	600573-9000*	600574-9001*	600575-9001*
600575-9002*	600576-9000*	600700-9001*	600803-9001*	600803-9002*		

* Part Number may have a CF prefix.

If you have any questions concerning the instructions in this service bulletin, please contact Kelly Aerospace Energy Systems Technical Support at 888-461-6077.

Questions concerning aircraft service or operation must be forwarded to the applicable manufacturer of that product.

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PROCEDURE:

IDENTIFICATION:

CAUTION:

This procedure must be performed by competent and qualified personnel familiar with engine and airframe maintenance activities that are specific to turbocharged aircraft.

CAUTION:

Do not depend on this Service Bulletin for gaining access to the aircraft or engine. This will require that you use the applicable manufacturers maintenance manuals or service instructions. In addition, any preflight or inflight operational checks require use of the appropriate AFM or POH.

TABLE II - Rebuilt Turbocharger T-Wheel Part Numbers

406304-9008	406304-9009	406787-9009	406787-9010	407276-9019
407293-9003	408493-9017	410188-9025	410188-9028	600366-9000*
600563-9000*				

* Part Number may have a CF prefix.

1. Access the aircraft turbochargers in accordance with the instructions in the aircraft maintenance manual. (Do not rely on the aircraft or engine paperwork alone to identify your turbocharger serial number.)
2. Refer to Table I on page one and determine if the turbocharger being inspected is an affected part number. If you have an affected turbocharger by part number, refer to the serial numbers on Table III on page 4 to see if your turbocharger needs further inspection. The part number and serial number will be found on the data plate. If the serial number **does not** appear, go to step 5 below. If it does appear continue with step 3.

TURBOCHARGER (T-WHEEL) REPLACEMENT

3. If it has been determined that the T-Wheel is affected per Table II, the affected turbocharger(s) must be removed and the T-wheel replaced. *Some aircraft installations may have two turbochargers, be sure you check both.* T-Wheel Replacement can only be done at the KAES factory. Special arrangement request may be made in writing for international customers. All turbochargers will be returned as a REPAIRED component. Removal must be in accordance with the applicable aircraft and/or engine manufacturers maintenance manuals or service instructions. **Do not return turbo with fittings, oil reservoir, or other engine or airframe parts as they cannot be returned.**
4. Upon return of the repaired turbocharger check that the unit is received in undamaged condition with proper paperwork. Verify the turbocharger has the correct part number and serial number. *If not, do not install on your aircraft, contact KAES product support.*
5. Utilizing the applicable aircraft and/or engine manufacturers maintenance manuals or service instructions, re-install the turbocharger assembly and proceed to "Return to Service" below.

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RETURN TO SERVICE:

1. When the turbocharger has been re-installed, the aircraft is now ready for return to service.
2. Refer to Kelly Aerospace Energy Systems Service Bulletin 23 and perform the recommended turbocharger operational tests. This consists of turbocharger pre-lubrication, ground running tests, and and operational flight test. Make sure no air, exhaust, or oil leaks are present. *Service Bulletin may be viewed or downloaded online via www.kellyaerospace.com.*
4. Utilizing the applicable aircraft and engine manufacturers maintenance manuals, install any portion of the aircraft removed to gain access.
5. Upon successful completion of this service bulletin per the applicable compliance time listed on page 1, make an appropriate log book entry.

PARTS REQUIRED:

No KAES parts are required to comply with this service bulletin. *Incidental parts may be required for the turbocharger installation. These parts must be obtained from the applicable engine or airframe manufacturer.*

PARTS IN INVENTORY:

Affected KAES turbochargers in unused inventory may be returned **for credit only**. Replenishment stock must be re-ordered. *Affected unused stock in customers hands must be returned thru place of purchase.*

WARRANTY STATEMENT:

The sole warranty remedy applicable to this service publication is related to the terms and conditions stated in the Kelly Aerospace Energy Systems, LLC Limited Warranty Policy delivered with each new or rebuilt component. Labor allowance under KAES Limited Warranty Policy does not apply, any labor allowance is done as a special consideration outside warranty. **Only units currently within warranty shall be offered Option 1 or 2 as reimbursement.**

IDENTIFICATION: KAES does not provide any labor allowance for Identification of an affected turbocharger.

REPLACEMENT T-WHEEL: KAES will repair any turbocharger affected by this service bulletin provided the unit is returned undamaged with the appropriate form included in the shipping container.

Reimbursement for labor expended will be one of two options: (customer choice)

OPTION 1: KAES will offer the recommended OE removal and installation labor allowance for an affected turbocharger, of up to four (4) man hours at 55 USD not to exceed a total of 220 USD. No other charges apply.

OPTION 2: KAES will pay no labor expenditures but offer instead a renewed Limited Warranty policy for each affected turbocharger. The renewed warranty shall be for eighteen (18) months from the date the repaired turbocharger is returned (based on shipping date). This is not an 18 month addition to standard warranty.

Option 1 or 2 must be selected on the Attachment A Form and signed for, or Option 2 shall be applied.

This publication does not imply or state any responsibility for the workmanship of any person or entity performing work or maintenance on the turbocharger, engine, or aircraft. All claims for the warranty repair "special consideration" must be forwarded to KAES Warranty Dept. except as noted above.

SHIPPING INFORMATION:

Turbocharger must be securely packed and packaged so no oil will seep into the shipping container. The form is "Attachment A" at the end of this service bulletin must be included inside the shipping container. The turbocharger must be received assembled and undamaged to qualify for repair. Use only the address on the form for return and mark "WARRANTY DEPT" clearly on the outside of the shipping container. *(The return form may also be obtained from the KAES website at www.kellyaerospace.com.)* **KAES will only pay for return shipping by the same method as received. (next day, ground, etc.)**

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TABLE III - List of Affected Rebuilt Turbocharger Serial Numbers

KAR00003	KAR00251	KDR01054	KER00159	KER00160	KER00161	KER00162	KER00163	KER00164	KER00166
KER00167	KER00168	KER00169	KER00170	KER00171	KER00172	KER00173	KER00174	KER00175	KER00176
KER00177	KER00178	KER00179	KER00180	KFO00267	KFO00268	KFR00003	KFR00004	KFR00005	KFR00006
KFR00007	KFR00008	KFR00009	KFR00010	KFR00011	KFR00012	KFR00013	KFR00014	KFR00015	KFR00016
KFR00017	KFR00018	KFR00019	KFR00020	KFR00021	KFR00022	KFR00072	KFR00073	KFR00074	KFR00075
KFR00076	KFR00077	KFR00078	KFR00079	KFR00080	KFR00081	KFR00083	KFR00084	KFR00085	KFR00087
KFR00088	KFR00089	KFR00090	KFR00091	KFR00092	KFR00093	KFR00096	KFR00101	KFR00102	KFR00139
KFR00140	KFR00141	KFR00142	KFR00143	KFR00144	KFR00145	KFR00146	KFR00147	KFR00148	KFR00149
KFO00266	KFR00188	KFR00189	KGR00165	KGR00166	KGR00184	KGR00185	KGR00186	KGR00189	KGR00190
KGR00191	KGR00192	KGR00193	KGR00194	KGR00195	KGR00196	KGR00197	KGR00198	KGR00199	KGR00200
KGR00201	KGR00202	KGR00204	KGR00205	KGR00206	KIO01201	KIO01202	KIO01203	KIO01204	KIO01205
KIO01206	KIR00792	KIR00793	KIR00794	KIR00795	KIR00796	KIR00797	KIR00798	KIR00799	KIR00800
KIR00801	KIR00802	KIR00803	KIR00804	KIR00805	KIR00806	KIR00807	KIR00808	KIR00809	KIR00810
KIR00811	KIR00812	KIR00813	KIR00814	KIR00815	KIR00816	KIR01070	KIR01071	KIR01072	KIR01073
KIR01074	KIR01075	KIR01076	KIR01077	KIR00822	KJR00211	KJR00212	KJR00214	KJR00215	KJR00216
KJR00217	KJR00463	KJR00464	KJR00465	KKR00151	KKR00152	KKR00153	KKR00154	KKR00155	KKR00156
KKR00157	KKR00158	KKR00159	KKR00160	KKR00161	KKR00162	KKR00163	KKR00164	KKR00165	KKR00166
KKR00167	KKR01212	KKR01213	KKR01214	KKR01215	KKR01216	KKR01960	KKR01961	KKR01962	KKR01963
KKR01964	KKR01965	KKO00122	KLR00177	KLR00272	KLR00273	KLR00274	KLR00275	KLR01104	KLR01105
KLR01106	KLR01107	KLR01108	KLR01109	KLR01110	KLR01111	KLR01112	KLR01113	KLR01114	KLR01115
KLR01116	KLR01117	LAR00008	LAR00009	LAR00047	LAR00048	LDR00241	LDR00245	LDR00246	LDR00247
LDR00248	LDR00249	LDR00250	LDR00251	LDR00252	LDR00253	LDR00254	LDR00255	LDR00256	LDR00259
LDR00276	LDR00315	LDR00316	LDR00317	LDR00318	LDR00319	LDR00321	LDR00322	LDR00323	LDR00335
LDR00336	LEFR00059	LFR00195	LFR00196	LFR00197	LFR00198	LFR00199	LFR00200	LFR00201	LFR00202
LFR00203	LFR00204	LFR00205	LFR00264	LGR00179	LGR00180	LGR00181	LGR00182	LGR00183	LGR00184
LGR00185	LGR00186	LGR00187	LGR00188	LGR00189	LGR00191	LGR00192	LGR00193	LGR00325	LGR00326
LGR00327	LGR00328	LGR00329	LGR00330	LHR00025	LHR00026	LHR00027	LHR00028	LHR00029	LHR00030
LHR00031	LHR00032	LHR00033	LHR00044	LHR00045	LHR00100	LHR00101	LHR00102	LHR00103	LHR00104
LHR00105	LHR00106	LHR00107	LHR00108	LHR00109	LHR00110	LHR00112	LHR00113	LHR00115	LHR00116
LHR00117	LHR00118	LHR00119	LHR00120	LHR00121	LHR00122	LHR00123	LHR00124	LHR00125	LHR00126
LJR00017	LJR00109	LJR00110	LJR00183	LJR00184	LJR00185	LJR00186	LJR00187	LJR00188	LJR00189
LJR00190	LJR00192	LJR00193	LJR00194	LJR00195	LJR00196	LJR00197	LKR00001	LKR00002	LKR00003
LKR00004	LKR00005	LLR00254	LLR00255	LLR00256	LLR00257	LLR00258	LLR00259	LLR00260	LLR00261
LLR00262	LLR00263	LLR00268	LLR00300	LLR00301	LLR00302	LLR00303	LLR00304	LLR00330	MAR00044
MAR00045	MAR00046	MAR00047	MAR00048	MAR00049	MAR00130	MAR00131	MAR00132	MAR00133	MAR00134
MAR00207	MAR00208	MAR00209	MBR00003	MBR00026	MBR00053	MBR00054	MBR00055	MBR00056	MBR00057
MBR00058	MBR00059	MBR00185	MBR00186	MBR00187	MBR00189	MBR00190	MBR00191	MBR00192	

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TABLE III - List of Affected Rebuilt Turbocharger Serial Numbers (cont'd)

MCR00001	MCR00002	MCR00057	MCR00058	MCR00059	MCR00060	MCR00061	MCR00062	MCR00063	MCR00064
MCR00076	MCR00077	MCR00078	MCR00079	MCR00080	MDR00003	MDR00004	MDR00050	MDR00051	MDR00052
MDR00053	MDR00054	MDR00081	MDR00082	MDR00083	MDR00084	MDR00085	MDR00104	MDR00105	MDR00106
MDR00107	MDR00108	MDR00173	MIR00026	MJR00080T	R1007055	TR1007056	TR1007057	TR1007058	TR1007059
TR1007060	TR1007061	TR1007062	TR1007063	TR1007064	TR1007065	TR1007066	TR1007067	TR1007068	TR1107001
TR0309013	TR0309014	TR0308008	TR0308009	TR0607012	TR0607013	TR0607014	TR0108013	TR0108014	TR0108015
TR0108016	TR0108017	TR0108018	TR0108019	TR0108020	TR0108021	TR0108022	TR0108023	TR0108025	TR0108027
TR0108028	TR0108029	TR0108030	TR0108031	TR0108032	TR0108033	TR0108034	TR0108035	TR0108036	TR0108037
TR0108038	TR0108039	TR0108040	TR0109026	TR0109027	TR0109028	TR0109029	TR0109032	TR0109033	TR0109034
TR0109035	TR0109036	TR0109037	TR0109038	TR0109039	TR0109040	TR0109041	TR0109042	TR0109043	TR0109044
TR0109045	TR0109046	TR0109047	TR0109048	TR0109049	TR0109050	TR0109051	TR0109052	TR0109053	TR0109054
TR0208212	TR0208213	TR0208214	TR0208215	TR0208216	TR0208217	TR0208218	TR0208219	TR0208220	TR0208221
TR0209014	TR0209016	TR0209017	TR0209018	TR0209019	TR0209020	TR0209021	TR0209022	TR0309015	TR0508002
TR0508007	TR0508008	TR0508009	TR0508010	TR0508011	TR0508012	TR0508013	TR0508014	TR0508015	TR0508017
TR0508020	TR0508021	TR0508033	TR0508034	TR0508035	TR0508036	TR0508037	TR0508038	TR0508039	TR0508040
TR0508041	TR0508042	TR0508045	TR0508046	TR0508047	TR0508048	TR0508049	TR0508050	TR0508051	TR0508052
TR0508053	TR0508054	TR0508055	TR0508056	TR0508057	TR0509017	TR0509018	TR0509019	TR0509020	TR0509021
TR0509023	TR0509024	TR0509025	TR0509026	TR0607002	TR0607003	TR0607004	TR0607005	TR0607006	TR0607007
TR0607008	TR0607009	TR0607010	TR0607011	TR0607021	TR0607022	TR0607023	TR0607024	TR0607025	TR0607026
TR0607027	TR0607028	TR0607029	TR0707001	TR0707002	TR0707003	TR0707004	TR0707005	TR0707006	TR0707007
TR0707008	TR0707009	TR0907080	TR0907081	TR0907082	TR0907083	TR0907084	TR0907085	TR0907086	TR0907087
TR0907088	TR0907089	TR0907090	TR0907091	TR0907092	TR0907093	TR0907094	TR0907095	TR0907096	TR0907097
TR0907098	TR0907099	TR0907123	TR0907124	TR0907125	TR0907126	TR0907130	TR0907131	TR0907132	TR0907133
TR0907134	TR0907135	TR0908007	TR0908008	TR0908009	TR0908010	TR0908011	TR0908012	TR0908013	TR0908014
TR0908023	TR1007007	TR1007008	TR1007009	TR1007010	TR1007011	TR1007012	TR1008019	TR1008020	TR1008021
TR1008022	TR1008023	TR1008024	TR1008025	TR1008026	TR1008027	TR1008028	TR1008029	TR1008030	TR1008031
TR1008032	TR1008033	TR1008034	TR1008035	TR1008036	TR1008037	TR1008038	TR1008039	TR1008040	TR1008041
TR1008042	TR1108017	TR1108018	TR1108019	TR1108020	TR1108021	TR1108022	TR1108023	TR1108024	TR1108025
TR1108026	TS0907031	TS0907032	TS0907033	TR0909011	TR0109055	TR0109057	TR0109056	TR0109055	TR0109055
TR0109056	TR0109057	TR0708005	TR0708006	TR0708007	TR0708008	TR0708009	TR0708010	TR0708011	TR0808001
TR0808002	TR0808003	TR0808004	TR0808005	TR0808006	TR0808007	TR0808008	TR0808009	TR0808010	TR0907203
TR0907204	TR0907205	TR0907206	TR0907207	TR0907208	TR0907209	TR0907215	TR0909011	TR0909012	TR1007029
TR1007030	TR1007031	TR1007032	TR1007033	TR1007034	TR1007035	TR1007036	TR1007037	TR1007038	TR1007054

CONTACT INFORMATION:

All communications regarding this service bulletin, must be placed either through Kelly Aerospace Energy Systems Technical Support at 888-461-6077 or via Fax 334-386-5450. Written communications must be placed through Kelly Aerospace Energy Systems Technical Support, 2900 Selma Highway, Montgomery, AL 36108, USA.

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TABLE IV - Affected T-Wheel Reference Table (list for basic reference only)

T-Wheel Ass'y	Turbocharger Ass'y	Engine Ass'y	Aircraft (not limited to)
406304-9008	406610-9004	TSIO-520-D	
406304-9008	406610-9005	TSIO-520-C, H, R TSIO-520-C, M TSIO-520-G, M	Cessna T210F thru N T(P,U)-206A-F, TU-206G T-207, T-207A
406304-9008	406610-9015	TVO-435-D1A, -D1B, -E1A, - G1A, -F1A	47G3B1 D & E Eng., 47G3B2, 47G3B2A
406304-9008	406610-9019	TSIO-520-B, E	
406304-9008	406610-9020	TIO-540-A1A, A1B, A2A, A2B, A2C, L/TIO-540-F2BD	Piper PA31-310, PA31-325
406304-9008	406610-9021	TIO-540-C1A, E1A, G1A, H1A	Piper PA23-250
406304-9008	406610-9025	TSIO-520-B, D, -BB, E, -EB	Beech V35-STC, Cessna T310 P thru R Cessna 320 D thru F, 335, 401/402, 401A/402A, 401B/402B,
406304-9008	406610-9026	TIO-540-S1AD	Piper PA32R-301T, PA32-301T, PA32R-301, PA32RT-301, PA32RT-300T
406304-9008	406610-9028	TSIO-520-VB	Cessna 402C
406304-9008	406610-9029	TSIO-520-UB	Beech A,B36TC
406304-9008	406610-9030	TSIO-520-AE	Cessna T303
406304-9008	406610-9032	TIO-540-AA1AD	Lake 250 Renegade
406304-9009	406970-9001	TSIO360A, B, D (frt)	Cessna T337A thru F, T337RG
406304-9009	406610-9018	TSIO360C (Frt)	Cessna T337G, P337
406787-6009	407810-9001	TSIO520K	Cessna 340
406787-6010	406990-9004	GTSIO-520-D	Cessna 421/421A
406787-6010	408610-9001	GTSIO520H	Cessna 421B
406787-6010	409170-9001	L/TIO-540-J2BD, TIO-540-J2B, TIO-540-N2BD	Piper PA31-350
406787-6010	409680-9011	TSIO-520-L; TSIO-520-WB	Beech 58P/58TC
406787-9010	465680-9004	TSIO-520-P, -AF	Cessna P210N
406787-6010	465680-9005,	TIO-540-V2AD, TIO-540-W2A	Piper PA31P-350
406787-6010	465930-9002	GTSIO-520-M	Cessna 404
406787-6010	465930-9003	GTSIO520L/N	Cessna 421C
407276-6019	465292-9002	0540L3C5D	Cessna T182, TR182
407276-6019	465292-9004	TSIO-520-T	Cessna T188C
407276-6019	465398-9002	TO-360-E1A6D, LTO-360-E1A6D	Piper PA44-180T
407293-9003	407540-9003	TIO-541-E1C4, E1D4	Beech A56TC, A60
408493-9017	466881-9001	TIO-540-AJ1A	Cessna T206H

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TABLE IV - Affected T-Wheel Reference Table (cont'd)

T-Wheel Ass'y	Turbocharger Ass'y	Engine Ass'y	Aircraft (not limited to)
410188-9025	466304-9003	TSIO-520-BE, TSIO-550-B, E	Malibu Conversion, Lancair IV & IVP
410188-9028	466642-9005	TIO-540-AE2A	Piper PA46-350P
600563-9000*	600572-9000*	TSIO-520-D, O-470-G-C1, IO-470-C, IO-470-J, IO-470-K, IO-470-N, IO-470-M, IO-540-B1A5, -E1A5, E1B5, O-470-A, J, K, L, R, O-470-E, S, D, O-540-E4C5, IO-540-C4B5, -C4C5, O-540-E4B5, IO-540-K1G5D, IO-540-G1E5, IO-540-K1E5,	Bonanza series 33, 35, Commander 500A, B, U, S, Cessna 180, 182, 210, 210 A thru C, 205, 310 C thru G, Islander BN-2, BN-2A, BN-2A-6, BN-2A-8, BN-2A-9, Piper PA23, PA23-235, PA23-250, PA-24-250, PA-32-260, PA-32R-300, Viking & Super Viking, 17-31TC Turbo,
600366-9000*	600573-9000*	IO-720, O-360-A1A, -A1D, IO-360-A1D6D, A3D6D, O-360-A1A or, O-360-A1D, IO-360-A1B, TSIO-360, L/IO-320-B1A & C1A, L/IO-360-C1E6, TSIO-360,	Commander 680 FP, L, FLP, Mooney M20A thru M20D, M20G, E, F, M20J, K, Lake LA-4 & LA-4A, LA-4-200, Piper PA-30 & PA-39, Seneca I PA-34-200, Seneca II PA-34-200T, Seneca III PA-34-220T, PA-28-200, PA-28 RT201T,
600563-9000*	600574-9001*	TIO-540-S1AD	Aerostar 601P
600563-9000*	600575-9001*	TIO-540-S1AD	Aerostar 601P (Later S/N's)
600563-9000*	600575-9002*	TIO-540-S1AD	Aerostar 601P (Later S/N's)
600366-9000*	600576-9000*	IO-720, IO-540-G1E5, IO-470-N O-360-A1A, IO-360-B1A, B1B	Commander 680 FP, L, FLP, Bonanza N35, P35, Travel Air, Piper PA23 Apache, Seneca I PA-34-200
600366-9000*	600700-9000*	HIO-360-E1A, HIO-360-E1BD, -F1AD	Enstrom Helicopter, F28C, F28F
600366-9000*	600803-9001*	TIO-540-U2A, LTIO-540-U2A	Aerostar 700P
600366-9000*	600803-9002*	TIO-540-U2A, LTIO-540-U2A	Aerostar 700P

* Part Number may have a CF prefix.

NOTE:

The reference Table IV on page 6 and 7 should be used as a guide only for turbocharged aircraft. Not every aircraft or engine combination is listed and not every STC or other field application is included. This list is provided to help identify which aircraft **may** be affected by this service bulletin.

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