

SERVICE BULLETIN

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DATE: July 11, 2005 Service Bulletin No. 566

SUBJECT: Crankshaft Replacement in Lycoming Engines.

MODELS AFFECTED: Any Lycoming engine model specified below manufactured, rebuilt, overhauled or repaired after March 1, 1999:

Lycoming O-540, IO-540, AEIO-540 and TIO-540 engines rated at 290 horsepower or lower as described in Section 1 and listed in Table 1.

Lycoming IO-540-P, -S, -AA engines rated at 250-290 horsepower by Lycoming as described in Section 2 and listed in Table 2.

Lycoming IO-540 and AEIO-540 engines rated at 300 horsepower as described in Section 2 and listed in Table 2.

Lycoming counterweighted (L)O-360, (L)IO-360 and AEIO-360 engines rated at any horsepower as described in Section 3 and listed Table 3.

Lycoming crankshafts with a crankshaft serial number listed in Table 4 shipped as a spare after March 1, 1999. These crankshafts may be installed in any of the engine models listed above.

NOTE

Engines that have complied with Service Bulletin No. 552 or Service Bulletin No. 553 are not affected by this Service Bulletin.

TIME OF COMPLIANCE: Within next 50 hours of operation or 6 months from the date of this Service Bulletin, whichever occurs first.

Lycoming has continued to analyze crankshafts in service. This analysis indicates that replacement of certain crankshafts is warranted. Therefore, Lycoming is recalling certain crankshafts in the specified four and six cylinder engines.

All affected Lycoming crankshafts have a serial number format of "V5379" followed by a 3 to 5 digit number and are listed in Table 4. Please note that not all "V5379" crankshafts are affected. The crankshaft serial number is marked on the O.D. of the propeller mounting flange.

NOTE

1. The engine model, engine serial number, date of engine manufacture, and horsepower rating can be found in the engine logbook or on the engine data plate. This information will be required to determine if your engine is affected.

NOTES (CONT.)

2. Some field repair stations mark their own identification (numbers and/or letters) on the propeller flange O.D. These numbers are not related to any Lycoming information.
3. For reference purposes, other Lycoming crankshaft serial number formats include the following:
 - a. An "T" followed by 5 digits.
 - b. A "V" followed by a 3 to 5 digit number.
 - c. A number from 3 to 6 digits.

Crankshafts with these serial numbers are not affected by this Service Bulletin.

MODEL DESCRIPTIONS:**SECTION 1**

Any Lycoming engine model specified below manufactured, rebuilt, overhauled or repaired after March 1, 1999:

Lycoming O-540, IO-540, AEIO-540 and TIO-540 engines rated at 290 horsepower or lower with serial numbers as listed in Table 1.

Any overhauled or repaired Lycoming O-540, IO-540, AEIO-540 or TIO-540 engine rated at 290 horsepower or lower that has had a crankshaft replaced after March 1, 1999 with a crankshaft serial number listed in Table 4.

SECTION 2

Any Lycoming engine model specified below manufactured, rebuilt, overhauled or repaired after March 1, 1999:

Lycoming IO-540-P, -S, -AA engines rated at 250-290 horsepower by Lycoming with serial numbers as listed in Table 2.

Lycoming IO-540 and AEIO-540 engines rated at 300 horsepower with serial numbers as listed in Table 2.

Any overhauled or repaired Lycoming IO-540-P, -S, -AA rated at 250-290 horsepower by Lycoming or Lycoming IO-540 or AEIO-540 engine rated at 300 horsepower that has had a crankshaft replaced after March 1, 1999 with a crankshaft serial number listed in Table 4.

SECTION 3

Any Lycoming engine model specified below manufactured, rebuilt, overhauled or repaired after March 1, 1999:

Lycoming counterweighted (L)O-360, (L)IO-360 and AEIO-360 engines rated at any horsepower with serial numbers as listed in Table 3.

Any overhauled or repaired Lycoming counterweighted (L)O-360, (L)IO-360 or AEIO-360 engine that has had a crankshaft replaced after March 1, 1999 with a crankshaft serial number listed in Table 4.

NOTE

The counterweighted 360 engines can be identified by the #6 as the 4th suffix character in the engine model (Example: IO-360-A1B**6**).

INSTRUCTIONS FOR COMPLIANCE:

1. If your Lycoming engine serial number is listed in the Table for your engine model (Table 1, 2 or 3), before 50 hours or 6 months, whichever occurs first, contact Lycoming by phone at 570-323-6181 or by fax at 570-327-7160 to schedule return of the engine for crankshaft replacement.
2. If your engine model was overhauled, repaired, or had the crankshaft replaced after March 1, 1999, verify the crankshaft serial number through pertinent aircraft/engine documentation or overhaul/maintenance facility records. The engine logbook may contain crankshaft replacement and serial number information. If your crankshaft serial number is listed in appropriate Table 4, contact Lycoming by phone at 570-323-6181 or by fax at 570-327-7160 to schedule return of the engine for crankshaft replacement. If your crankshaft serial number cannot be verified through engine records, contact Lycoming.
3. Crankshafts listed in Table 4 must **not** be reused to assemble any engine. Check any uninstalled crankshaft against Table 4. If a subject crankshaft is found, contact Lycoming.
4. After you determine that your engine and crankshaft are not affected by this Service Bulletin, make appropriate logbook entries.
5. Factory replacement of the crankshafts listed in Table 4 will be accomplished at no cost to the owner. Labor for engine removal and reinstallation, when authorized by Lycoming, will be reimbursed in accordance with the current revision of Removal and Installation Labor Allowance Guidebook, SSP-875 through an authorized Lycoming Distributor, using the standard Warranty procedure.

TABLE 1

Model	Engine S/N	Model	Engine S/N
IO-540-V4A5	L-27072-48A	IO-540-V4A5	L-27663-48A
IO-540-V4A5	L-27159-48A	IO-540-V4A5	L-27689-48A
IO-540-V4A5	L-27176-48A	IO-540-V4A5	L-27698-48A
IO-540-V4A5	L-27233-48A	IO-540-V4A5	L-27711-48A
IO-540-V4A5	L-27235-48A	IO-540-V4A5	L-27747-48A
IO-540-V4A5	L-27236-48A	IO-540-V4A5	L-27803-48A
IO-540-V4A5	L-27237-48A	IO-540-V4A5	L-27856-48A
IO-540-V4A5	L-27238-48A	IO-540-V4A5	L-27858-48A
IO-540-V4A5	L-27239-48A	IO-540-W1A5	L-27859-48A
IO-540-V4A5	L-27240-48A	IO-540-W1A5	L-27302-48A
IO-540-V4A5	L-27241-48A	IO-540-W1A5	L-27303-48A
IO-540-V4A5	L-27314-48A	IO-540-W1A5	L-27320-48A
IO-540-V4A5	L-27361-48A	IO-540-W1A5	L-27452-48A
IO-540-V4A5	L-27403-48A	IO-540-W1A5	L-27476-48A
IO-540-V4A5	L-27460-48A	IO-540-W1A5	L-27594-48A
IO-540-V4A5	L-27511-48A	IO-540-W1A5	L-27595-48A
IO-540-V4A5	L-27512-48A	IO-540-W1A5	L-27619-48A
IO-540-V4A5	L-27513-48A	IO-540-W1A5	L-27669-48A
IO-540-V4A5	L-27514-48A	IO-540-W1A5	L-27910-48A
IO-540-V4A5	L-27529-48A	IO-540-W1A5	L-27911-48A
IO-540-V4A5	L-27530-48A	IO-540-W1A5	L-27960-48A
IO-540-V4A5	L-27531-48A	O-540-B4B5	RL-14610-40A
IO-540-V4A5	L-27532-48A	O-540-B4B5	L-21498-40A
IO-540-V4A5	L-27533-48A	O-540-B4B5	L-25507-40A
IO-540-V4A5	L-27534-48A	O-540-B4B5	L-25560-40A
IO-540-V4A5	L-27544-48A	O-540-B4B5	L-25561-40A
IO-540-V4A5	L-27562-48A	O-540-B4B5	L-25576-40A
IO-540-V4A5	L-27563-48A	O-540-B4B5	L-25577-40A
IO-540-V4A5	L-27564-48A	O-540-B4B5	L-25580-40A
IO-540-V4A5	L-27565-48A	O-540-B4B5	L-25581-40A
IO-540-V4A5	L-27566-48A	O-540-B4B5	L-25611-40A
IO-540-V4A5	L-27567-48A	O-540-B4B5	L-25659-40A
IO-540-V4A5	L-27568-48A	O-540-B4B5	L-25660-40A
IO-540-V4A5	L-27569-48A	O-540-B4B5	L-25661-40A
IO-540-V4A5	L-27570-48A	O-540-B4B5	L-25662-40A
IO-540-V4A5	L-27571-48A	O-540-B4B5	L-25663-40A
IO-540-V4A5	L-27608-48A	O-540-B4B5	L-25694-40A
IO-540-V4A5	L-27611-48A	O-540-B4B5	L-25695-40A
IO-540-V4A5	L-27612-48A	O-540-B4B5	L-25696-40A
IO-540-V4A5	L-27613-48A	O-540-B4B5	L-25718-40A
IO-540-V4A5	L-27677-48A	O-540-B4B5	L-25751-40A

TABLE 2

Crankshaft S/N	Crankshaft S/N	Crankshaft S/N	Crankshaft S/N	Crankshaft S/N
V537911348	V537912342	V537912610	V537912966	V537913273
V537912180	V537912343	V537912612	V537912967	V537913274
V537912223	V537912344	V537912615	V537912974	V537913275
V537912243	V537912346	V537912623	V537912979	V537913277
V537912244	V537912348	V537912624	V537912980	V537913278
V537912248	V537912349	V537912625	V537912981	V537913285
V537912251	V537912350	V537912626	V537913200	V537913286
V537912259	V537912356	V537912628	V537913201	V537913287
V537912262	V537912357	V537912643	V537913203	V537913288
V537912270	V537912359	V537912647	V537913205	V537913293
V537912273	V537912360	V537912648	V537913209	V537913297
V537912274	V537912361	V537912650	V537913213	V537913298
V537912275	V537912363	V537912657	V537913216	V537913300
V537912277	V537912364	V537912663	V537913219	V537913303
V537912280	V537912365	V537912861	V537913221	V537913304
V537912281	V537912366	V537912862	V537913223	V537913305
V537912282	V537912367	V537912874	V537913225	V537913306
V537912283	V537912369	V537912897	V537913232	V537913307
V537912284	V537912378	V537912898	V537913235	V537913308
V537912285	V537912379	V537912899	V537913240	V537913309
V537912287	V537912381	V537912904	V537913244	V537913311
V537912288	V537912383	V537912911	V537913251	V537913312
V537912289	V537912386	V537912917	V537913253	V537913313
V537912290	V537912387	V537912920	V537913255	V537913315
V537912291	V537912391	V537912925	V537913257	V537913317
V537912292	V537912393	V537912930	V537913258	V537913318
V537912293	V537912394	V537912944	V537913259	V537913319
V537912302	V537912395	V537912945	V537913261	V537913320
V537912335	V537912397	V537912950	V537913266	V537913321
V537912337	V537912400	V537912958	V537913267	V537913322
V537912339	V537912401	V537912962	V537913268	V537913323
V537912340	V537912503	V537912963	V537913269	V537913324
V537912341	V537912525	V537912965	V537913270	V537913325

TABLE 2 (CONT.)

Crankshaft S/N	Crankshaft S/N	Crankshaft S/N	Crankshaft S/N	Crankshaft S/N
V537913326	V537913476	V537913537	V537913704	V537913748
V537913327	V537913478	V537913541	V537913706	V537913750
V537913328	V537913479	V537913545	V537913708	V537913751
V537913330	V537913480	V537913550	V537913709	V537913752
V537913331	V537913481	V537913552	V537913714	V537913753
V537913332	V537913482	V537913555	V537913716	V537913754
V537913333	V537913483	V537913558	V537913717	V537913757
V537913334	V537913484	V537913560	V537913718	V537913758
V537913335	V537913485	V537913562	V537913719	V537913759
V537913336	V537913486	V537913563	V537913720	V537913760
V537913338	V537913487	V537913564	V537913721	V537913761
V537913340	V537913488	V537913565	V537913722	V537913762
V537913341	V537913489	V537913566	V537913723	V537913764
V537913342	V537913490	V537913567	V537913724	V537913765
V537913343	V537913492	V537913568	V537913725	V537913766
V537913344	V537913493	V537913569	V537913727	V537913767
V537913345	V537913494	V537913570	V537913728	V537913768
V537913346	V537913495	V537913572	V537913729	V537913769
V537913348	V537913497	V537913573	V537913730	V537913770
V537913349	V537913498	V537913574	V537913731	V537913771
V537913350	V537913499	V537913575	V537913732	V537913772
V537913351	V537913504	V537913576	V537913733	V537913773
V537913352	V537913507	V537913580	V537913734	V537913774
V537913353	V537913508	V537913582	V537913735	V537913775
V537913356	V537913509	V537913583	V537913736	V537913776
V537913358	V537913514	V537913584	V537913739	V537913777
V537913359	V537913516	V537913680	V537913740	V537913778
V537913360	V537913523	V537913687	V537913741	V537913779
V537913470	V537913524	V537913688	V537913742	V537913780
V537913471	V537913527	V537913697	V537913743	V537913781
V537913472	V537913531	V537913699	V537913744	V537913784
V537913473	V537913534	V537913700	V537913745	V537913785
V537913474	V537913536	V537913703	V537913746	V537913786

TABLE 2 (CONT.)

Crankshaft S/N	Crankshaft S/N	Crankshaft S/N	Crankshaft S/N	Crankshaft S/N
V537913787	V537914136	V537914175	V537914372	V537914519
V537913788	V537914137	V537914176	V537914398	V537914520
V537913789	V537914138	V537914178	V537914399	V537914521
V537913790	V537914139	V537914179	V537914485	V537914522
V537913791	V537914140	V537914180	V537914486	V537914523
V537913792	V537914143	V537914181	V537914487	V537914524
V537913793	V537914144	V537914182	V537914488	V537914525
V537913794	V537914145	V537914210	V537914489	V537914526
V537913795	V537914146	V537914214	V537914490	V537914527
V537913796	V537914147	V537914256	V537914491	V537914528
V537913798	V537914148	V537914257	V537914492	V537914529
V537913799	V537914151	V537914259	V537914493	V537914530
V537913866	V537914152	V537914262	V537914494	V537914532
V537913900	V537914153	V537914271	V537914495	V537914533
V537913901	V537914155	V537914274	V537914496	V537914534
V537913903	V537914156	V537914275	V537914497	V537914535
V537913906	V537914157	V537914281	V537914498	V537914538
V537913907	V537914158	V537914286	V537914501	V537914698
V537913908	V537914159	V537914287	V537914502	V537914699
V537913909	V537914160	V537914293	V537914503	V537914884
V537913995	V537914161	V537914295	V537914504	V537914887
V537913997	V537914162	V537914296	V537914505	V537914888
V537913998	V537914163	V537914298	V537914506	V537914889
V537914123	V537914164	V537914302	V537914507	V537914890
V537914124	V537914165	V537914306	V537914508	V537914891
V537914125	V537914166	V537914307	V537914509	V537914892
V537914126	V537914167	V537914308	V537914510	V537914893
V537914127	V537914168	V537914311	V537914512	V537914894
V537914129	V537914169	V537914314	V537914513	V537914895
V537914130	V537914170	V537914315	V537914514	V537914896
V537914132	V537914172	V537914317	V537914515	V537914897
V537914133	V537914173	V537914328	V537914516	V537914898
V537914135	V537914174	V537914330	V537914518	V537914899

TABLE 2 (CONT.)

Crankshaft S/N	Crankshaft S/N	Crankshaft S/N	Crankshaft S/N	Crankshaft S/N
V537914900	V537914934	V537915244	V537915454	V537915699
V537914901	V537914935	V537915245	V537915455	V537915718
V537914902	V537914936	V537915246	V537915456	V537915719
V537914903	V537914937	V537915247	V537915457	V537915720
V537914904	V537914939	V537915248	V537915458	V537915721
V537914905	V537914940	V537915249	V537915459	V537915722
V537914906	V537914943	V537915250	V537915460	V537915723
V537914907	V537914944	V537915251	V537915461	V537915724
V537914908	V537914945	V537915252	V537915462	V537915725
V537914909	V537914946	V537915255	V537915463	V537915726
V537914910	V537914947	V537915299	V537915464	V537915727
V537914911	V537914948	V537915302	V537915465	V537915728
V537914913	V537914949	V537915303	V537915466	V537915729
V537914914	V537915047	V537915304	V537915467	V537915730
V537914915	V537915048	V537915309	V537915469	V537915731
V537914916	V537915223	V537915312	V537915470	V537915732
V537914917	V537915224	V537915313	V537915471	V537915733
V537914918	V537915226	V537915314	V537915472	V537915734
V537914919	V537915227	V537915319	V537915475	V537915735
V537914920	V537915228	V537915321	V537915478	V537915736
V537914921	V537915229	V537915322	V537915479	V537915737
V537914922	V537915230	V537915325	V537915481	V537915738
V537914923	V537915231	V537915326	V537915484	V537915739
V537914924	V537915232	V537915443	V537915486	V537915740
V537914925	V537915234	V537915444	V537915488	V537915741
V537914926	V537915235	V537915445	V537915491	V537915742
V537914927	V537915236	V537915446	V537915492	V537915743
V537914928	V537915238	V537915447	V537915493	V537915744
V537914929	V537915239	V537915448	V537915494	V537915745
V537914930	V537915240	V537915449	V537915495	V537915746
V537914931	V537915241	V537915450	V537915498	V537915747
V537914932	V537915242	V537915451	V537915499	V537915959
V537914933	V537915243	V537915453	V537915502	V537915960

TABLE 2 (CONT.)

Crankshaft S/N	Crankshaft S/N	Crankshaft S/N	Crankshaft S/N	Crankshaft S/N
V537915961	V537916009	V537916346	V537916419	V537916495
V537915962	V537916011	V537916347	V537916421	V537916496
V537915963	V537916012	V537916348	V537916423	V537916497
V537915964	V537916013	V537916349	V537916425	V537916498
V537915965	V537916016	V537916350	V537916426	V537916499
V537915966	V537916019	V537916351	V537916427	V537916540
V537915967	V537916112	V537916352	V537916428	V537916605
V537915968	V537916113	V537916353	V537916430	V537916606
V537915969	V537916117	V537916354	V537916432	V537916607
V537915970	V537916120	V537916355	V537916433	V537916609
V537915971	V537916122	V537916356	V537916437	V537916610
V537915972	V537916129	V537916357	V537916471	V537916611
V537915973	V537916130	V537916358	V537916472	V537916612
V537915975	V537916132	V537916359	V537916473	V537916613
V537915976	V537916134	V537916360	V537916474	V537916614
V537915977	V537916135	V537916361	V537916475	V537916615
V537915978	V537916140	V537916362	V537916476	V537916616
V537915979	V537916141	V537916364	V537916477	V537916617
V537915980	V537916143	V537916365	V537916478	V537916618
V537915981	V537916332	V537916366	V537916479	V537916619
V537915982	V537916333	V537916367	V537916480	V537916620
V537915983	V537916334	V537916368	V537916481	V537916621
V537915984	V537916335	V537916369	V537916482	V537916622
V537915985	V537916336	V537916370	V537916483	V537916623
V537915986	V537916337	V537916371	V537916484	V537916624
V537915987	V537916338	V537916372	V537916485	V537916625
V537915989	V537916339	V537916374	V537916486	V537916626
V537915990	V537916340	V537916375	V537916488	V537916627
V537915991	V537916341	V537916376	V537916489	V537916628
V537915995	V537916342	V537916410	V537916491	V537916629
V537915996	V537916343	V537916412	V537916492	V537916630
V537916004	V537916344	V537916414	V537916493	V537916631
V537916008	V537916345	V537916416	V537916494	V537916632

TABLE 2 (CONT.)

Crankshaft S/N	Crankshaft S/N	Crankshaft S/N	Crankshaft S/N	Crankshaft S/N
V537916633	V537916669	V537916798	V537916840	V537916947
V537916634	V537916670	V537916799	V537916843	V537916948
V537916635	V537916671	V537916800	V537916911	V537916949
V537916637	V537916672	V537916801	V537916912	V537916951
V537916639	V537916673	V537916802	V537916913	V537916952
V537916640	V537916674	V537916803	V537916914	V537916953
V537916641	V537916717	V537916804	V537916915	V537916954
V537916642	V537916719	V537916805	V537916916	V537916955
V537916643	V537916722	V537916806	V537916917	V537916956
V537916644	V537916725	V537916808	V537916919	V537916961
V537916645	V537916726	V537916809	V537916920	V537916966
V537916646	V537916732	V537916811	V537916922	V537916967
V537916647	V537916733	V537916812	V537916923	V537916969
V537916648	V537916738	V537916813	V537916925	V537916972
V537916649	V537916741	V537916815	V537916926	V537916974
V537916650	V537916742	V537916816	V537916927	V537916976
V537916651	V537916744	V537916817	V537916928	V537916978
V537916652	V537916746	V537916818	V537916929	V537916981
V537916653	V537916751	V537916819	V537916931	V537916986
V537916655	V537916782	V537916820	V537916932	V537916990
V537916656	V537916783	V537916822	V537916933	V537917027
V537916657	V537916784	V537916823	V537916934	V537917036
V537916658	V537916785	V537916824	V537916935	V537917038
V537916659	V537916786	V537916826	V537916936	V537917096
V537916660	V537916787	V537916827	V537916937	V537917197
V537916661	V537916788	V537916828	V537916938	V537917199
V537916662	V537916789	V537916829	V537916940	V537917200
V537916663	V537916791	V537916831	V537916941	V537917202
V537916664	V537916792	V537916835	V537916942	V537917210
V537916665	V537916793	V537916836	V537916943	V537917214
V537916666	V537916794	V537916837	V537916944	V537917216
V537916667	V537916796	V537916838	V537916945	V537917277
V537916668	V537916797	V537916839	V537916946	V537917279

TABLE 2 (CONT.)

Crankshaft S/N	Crankshaft S/N	Crankshaft S/N	Crankshaft S/N	Crankshaft S/N
V537917280	V537918639	V537918997	V537919335	V537920393
V537917281	V537918649	V537918998	V537919336	V537920495
V537917282	V537918650	V537918999	V537919337	V537920497
V537917284	V537918651	V537919000	V537919338	V537920498
V537917285	V537918652	V537919001	V537919339	V537920499
V537917288	V537918655	V537919002	V537919341	V537920500
V537917600	V537918656	V537919003	V537919342	V537920503
V537917700	V537918664	V537919004	V537919343	V537920504
V537917780	V537918667	V537919005	V537919344	V537920505
V537917800	V537918672	V537919006	V537919346	V537920506
V537917903	V537918674	V537919007	V537919347	V537920507
V537918020	V537918971	V537919008	V537919348	V537920508
V537918023	V537918972	V537919009	V537919349	V537920509
V537918024	V537918973	V537919010	V537919350	V537920510
V537918025	V537918974	V537919011	V537919351	V537920511
V537918026	V537918975	V537919012	V537919352	V537920512
V537918028	V537918977	V537919013	V537919828	V537920514
V537918029	V537918978	V537919014	V537919832	V537920515
V537918030	V537918979	V537919015	V537919855	V537920516
V537918035	V537918980	V537919016	V537920046	V537920517
V537918036	V537918982	V537919017	V537920349	V537920518
V537918037	V537918983	V537919018	V537920351	V537920519
V537918042	V537918984	V537919019	V537920353	V537920520
V537918043	V537918985	V537919020	V537920354	V537920521
V537918044	V537918987	V537919021	V537920357	V537920522
V537918045	V537918988	V537919023	V537920358	V537920523
V537918046	V537918989	V537919025	V537920361	V537920524
V537918047	V537918990	V537919081	V537920365	V537920720
V537918048	V537918991	V537919123	V537920368	V537920721
V537918049	V537918992	V537919127	V537920371	V537920722
V537918051	V537918994	V537919129	V537920374	V537920723
V537918136	V537918995	V537919333	V537920375	V537920725
V537918334	V537918996	V537919334	V537920378	V537920726

TABLE 2 (CONT.)

Crankshaft S/N	Crankshaft S/N	Crankshaft S/N
V537920727	V537920944	V537922049
V537920728	V537920946	V537922050
V537920729	V537920956	V537922052
V537920730	V537920957	V537922983
V537920731	V537920959	V537923515
V537920732	V537921541	V537923516
V537920733	V537921542	
V537920737	V537921544	
V537920739	V537921545	
V537920740	V537921546	
V537920742	V537921547	
V537920743	V537921549	
V537920744	V537921550	
V537920745	V537921551	
V537920746	V537921553	
V537920747	V537921554	
V537920748	V537921558	
V537920749	V537921679	
V537920909	V537922034	
V537920911	V537922035	
V537920913	V537922036	
V537920915	V537922037	
V537920916	V537922038	
V537920918	V537922039	
V537920923	V537922040	
V537920925	V537922041	
V537920932	V537922042	
V537920934	V537922043	
V537920935	V537922044	
V537920937	V537922045	
V537920938	V537922046	
V537920941	V537922047	
V537920943	V537922048	