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SERVICE INSTRUCTION

DATE: September 23, 2004 Service Instruction No. 1513

SUBJECT: Reprint of Lamar Service Information Letter No. LSI-009

MODELS AFFECTED: Lycoming O-360-F1A6, IO-360-L2A, IO-540-AB1A5 and TIO-540-AK1A model engines employing PM2401 starters. (See Table below.)

TIME OF COMPLIANCE: Same as required for Lamar Service Information Letter No. LSI-009.

Lamar Service Information Letter No. LSI-009 is reprinted in its entirety as follows. Lycoming requires compliance with this Service Instruction.

This reprint is current at the time Lycoming Service Instruction No. 1513 is issued. However, when complying with this Service Instruction, insure that the reprint of Lamar Service Information Letter No. LWI-009 is still current at the time of compliance.

Table of Engine Models and Serial Numbers

Engine Model	Serial Number	Engine Model	Serial Number	Engine Model	Serial Number
O-360-F1A6	29315-36A	IO-360-L2A	31157-51A	IO-360-L2A	31257-51A
IO-360-L2A	11855-51A	IO-360-L2A	31160-51A	IO-360-L2A	31261-51A
IO-360-L2A	12069-51A	IO-360-L2A	31167-51A	IO-360-L2A	31262-51A
IO-360-L2A	12191-51A	IO-360-L2A	31168-51A	IO-360-L2A	31263-51A
IO-360-L2A	14160-51A	IO-360-L2A	31181-51A	IO-360-L2A	31270-51A
IO-360-L2A	16719-51A	IO-360-L2A	31185-51A	IO-360-L2A	31271-51A
IO-360-L2A	16990-51A	IO-360-L2A	31195-51A	IO-360-L2A	31273-51A
IO-360-L2A	20199-51A	IO-360-L2A	31202-51A	IO-360-L2A	31274-51A
IO-360-L2A	20556-51A	IO-360-L2A	31203-51A	IO-360-L2A	31279-51A
IO-360-L2A	25642-51A	IO-360-L2A	31204-51A	IO-360-L2A	31280-51A
IO-360-L2A	25747-51A	IO-360-L2A	31205-51A	IO-360-L2A	31283-51A
IO-360-L2A	27109-51A	IO-360-L2A	31206-51A	IO-360-L2A	31284-51A
IO-360-L2A	27330-51A	IO-360-L2A	31207-51A	IO-360-L2A	31287-51A
IO-360-L2A	27374-51A	IO-360-L2A	31216-51A	IO-360-L2A	31291-51A
IO-360-L2A	27969-51A	IO-360-L2A	31223-51A	IO-360-L2A	31295-51A
IO-360-L2A	28039-51A	IO-360-L2A	31227-51A	IO-360-L2A	31313-51A
IO-360-L2A	28227-51A	IO-360-L2A	31228-51A	IO-360-L2A	31319-51A
IO-360-L2A	28532-51A	IO-360-L2A	31229-51A	IO-360-L2A	31320-51A
IO-360-L2A	28718-51A	IO-360-L2A	31231-51A	IO-360-L2A	31323-51A
IO-360-L2A	28921-51A	IO-360-L2A	31232-51A	IO-360-L2A	31324-51A
IO-360-L2A	28957-51A	IO-360-L2A	31233-51A	IO-360-L2A	31356-51A
IO-360-L2A	29053-51A	IO-360-L2A	31239-51A	IO-360-L2A	4423-51A
IO-360-L2A	29307-51A	IO-360-L2A	31242-51A	IO-360-L2A	8614-51A
IO-360-L2A	29354-51A	IO-360-L2A	31248-51A	IO-360-L2A	9362-51A
IO-360-L2A	29434-51A	IO-360-L2A	31249-51A	IO-540-AB1A5	28930-48A
IO-360-L2A	29605-51A	IO-360-L2A	31253-51A	IO-540-AB1A5	28933-48A
IO-360-L2A	31138-51A	IO-360-L2A	31254-51A	IO-540-AB1A5	28958-48A
IO-360-L2A	31155-51A	IO-360-L2A	31256-51A	IO-540-AB1A5	28959-48A

Table of Engine Models and Serial Numbers (Cont.)

Engine Model	Serial Number	Engine Model	Serial Number	Engine Model	Serial Number
IO-540-AB1A5	28960-48A	IO-540-AB1A5	29039-48A	IO-540-AB1A5	29125-48A
IO-540-AB1A5	28976-48A	IO-540-AB1A5	29080-48A	IO-540-AB1A5	29166-48A
IO-540-AB1A5	28978-48A	IO-540-AB1A5	29081-48A	IO-540-AB1A5	29173-48A
IO-540-AB1A5	28979-48A	IO-540-AB1A5	29082-48A	IO-540-AB1A5	29174-48A
IO-540-AB1A5	28980-48A	IO-540-AB1A5	29098-48A	IO-540-AB1A5	29179-48A
IO-540-AB1A5	28987-48A	IO-540-AB1A5	29099-48A	IO-540-AB1A5	3581-48A
IO-540-AB1A5	28991-48A	IO-540-AB1A5	29100-48A	IO-540-AB1A5	8791-48A
IO-540-AB1A5	28997-48A	IO-540-AB1A5	29101-48A	TIO-540-AK1A	11450-61A
IO-540-AB1A5	29009-48A	IO-540-AB1A5	29102-48A	TIO-540-AK1A	11471-61A
IO-540-AB1A5	29023-48A	IO-540-AB1A5	29103-48A	TIO-540-AK1A	11506-61A
IO-540-AB1A5	29025-48A	IO-540-AB1A5	29110-48A	TIO-540-AK1A	11515-61A
IO-540-AB1A5	29026-48A	IO-540-AB1A5	29111-48A	TIO-540-AK1A	11522-61A
		IO-540-AB1A5	29123-48A		



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Rev. B

SUBJECT: Service Information for Lamar starter, P/N PM2401 (Lycoming P/N 31B22207) installed on Cessna 172 and 182 aircraft

PURPOSE:

To repair or replace possible defective starter drive gears installed on Lamar PM2401 starters manufactured between May and October 2003 installed on Cessna 172 and 182 aircraft with Lycoming engines.

ACTION DIRECTED BY THIS SERVICE INFORMATION LETTER:

Lamar is requesting that starters on Lycoming powered Cessna 172 and 182 aircraft be inspected for serial number. If the starter serial number is contained on the following list and has not been previously updated per this Service Information Letter, the starter should be removed from the aircraft and returned to Lamar for repair or replacement.

This action should be performed at the next scheduled aircraft inspection or service.

In addition to repair or replacement of the starter, Lamar will reimburse the labor cost for starter removal/installation up to \$75.

To initiate the starter return and replacement, call Lamar Technologies LLC at 360-651-6666 between 7:00 AM and 4:00 PM PST to request a CSR number and shipping instructions. Identify this request as “per LSI-009” and be prepared to provide the starter serial number.

After Lamar has performed necessary testing and repair of the starter, it will be marked with an “A” to the right of the serial number label.

EFFECTIVITY:

The PM2401 starters affected by this Service Information Letter are identified by serial number on the following page. Lycoming powered Cessna 172 and 182 aircraft should be inspected as instructed above for these suspect starters. If the starter is stamped with “A” to the right of the serial number label, it has already been upgraded and need not be removed.

SERIAL NUMBER RANGE OF SUSPECT STARTERS:

85066801	85070212	85071018	85071414
85066802	85070213	85071019	85071415
85066803	85070214	85071101	85071416
85066804	85070215	85071103	85071417
85066805	85070216	85071202	85071418
85066806	85070217	85071203	85071419
85066807	85070218	85071204	85071420
85066810	85070219	85071206	85071503
85066814	85070807	85071207	85071505
85066816	85070808	85071208	85071506
85066818	85070809	85071209	85071507
85066819	85070810	85071210	85071508
85066820	85070812	85071211	85071509
85068502	85070813	85071212	85071510
85068514	85070815	85071213	85071511
85068519	85070816	85071214	85071513
85068601	85070818	85071215	85071514
85068603	85070820	85071217	85071517
85068604	85070901	85071218	85071518
85068605	85070902	85071219	85072901
85068609	85070904	85071220	85072902
85068611	85070905	85071303	85072903
85068615	85070906	85071304	85072904
85068618	85070907	85071305	85072905
85068620	85070909	85071306	85072906
85068704	85070912	85071307	85073001
85068707	85070914	85071308	
85068708	85070915	85071309	
85068712	85070916	85071310	
85068713	85071001	85071312	
85068715	85071002	85071313	
85068717	85071003	85071314	
85068718	85071004	85071316	
85070103	85071005	85071318	
85070104	85071006	85071320	
85070105	85071007	85071402	
85070106	85071008	85071404	
85070107	85071009	85071406	
85070108	85071010	85071407	
85070109	85071011	85071408	
85070112	85071012	85071409	
85070113	85071013	85071410	
85070206	85071014	85071411	
85070211	85071017	85071413	