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SERVICE INSTRUCTION

DATE: November 26, 2014

Service Instruction No. 1532E
Supersedes Service Instruction No. 1532D
Engineering Aspects are
FAA Approved

SUBJECT: Approved Fuel Injectors, Fuel Manifold Assemblies, and Fuel Nozzle Assemblies for Lycoming Engines

MODELS AFFECTED: See engine model breakdown below

TIME OF COMPLIANCE: As required for replacement

NOTE

Incomplete review of all the information in this document can cause errors. Read the entire Service Instruction to make sure you have a complete understanding of the requirements.

This Service Instruction identifies the part numbers of Fuel Injectors (Table 1), Fuel Manifold Assemblies (Table 2), and Fuel Nozzle Assemblies (Table 3) that have been approved for use on Lycoming engines. These part numbers are in addition to other part numbers previously approved for the engine models.

**TABLE 1
APPROVED FUEL INJECTORS FOR USE ON LYCOMING ENGINES**

Engine Model	Fuel Injector Part Number	Lycoming Setting No.
IO-360-A1A, -A1B6, -A1D6, -A1B6D, -A3B6, -A3B6D IO-360-A1B6 (SOCATA) AEIO-360-A1A, -A1D, -A1E, -A1B6, -A1D6, -A1E6 IO-390-A1A6, -A1B6, -A3A6, -A3B6 AEIO-390-A1A6, -A1B6, -A3A6, -A3B6 IO-540-C4D5, -D4A5, -D4B5, -V4A5, -C4D5D AEIO-540-D4A5, -D4B5, -W1A5	61J26426 73937	AV 2524054-11 2524054-11
IO-360-F1A IO-360-L2A	61J26428 61J22088	AV 2576536-2 2576536-2
IO -360-M1A, -M1B LIO-360-M1A	61J26423 61J22633	AV 2576568-1 2576568-1
IO-360-C1C, -C1C6	61J26432 LW-10409	AV 2524450-9 2524450-9



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**TABLE 1 (Cont.)
APPROVED FUEL INJECTORS FOR USE ON LYCOMING ENGINES**

Engine Model	Fuel Injector Part Number	Lycoming Setting No.
IO-360-C1D6, -C1G6	61J26434	AV 2524592-8
	LW-12643	2524592-8
HIO-360-G1A	61J26429	AV 2576586-1
	61J23286	2576586-1
AEIO-360-B1F	61J26566	AV 2576524-2
	61J21971	2576524-2
AEIO-360-B1F, -B2F	61J26425	AV 2524291-11
	76817	2524291-11
AEIO-360-B1G6	61J26425	AV 2524291-11
	LW-14382	2524682-8
AEIO-360-H1A, -H1B	61J26435	AV 2524752-7
	LW-15664	2524752-7
IO-390-A	61J28175	AV 2581000
IO-540-D4B5, -AB1A5, -AF1A5, -V4A5	61J26427	AV 2576544-3
	61J23428	2576544-3
IO-540-G, -K1A5, -K1G5, -K1H5, -K1K5, -K2A5, -K1A5D, -K1G5D, -P1A5	61M26410	AV 2524273-12
	75567	2524273-12
IO-540-K1B5, -K1D5, -K1H5, -K1J5, -K1J5D IO-580-B1A	61M26414	AV 2524422-9
	79034	2524422-9
IO-540-K1B5	LW-11924	2524556-9
	77003	2524298-12
IO-540-K1E5 (Roller Lifter)	LW-10976	2524470-5
IO-540-K1J5	LW-11746	2524534-9
	LW-11218	2524491-9
IO-540-L1C5, -L1B5D AEIO-540-L1B5, -L1D5 AEIO-580-B1A	61M26404	AV 2524318-10
	77442	2524318-10
IO-540-AC1A5	61M26412	AV 2576546-3
	61M23429	2576546-3
IO-540-AE1A5	61M26405	AV 2576630-4
	61M23587	2576630-4

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**TABLE 1 (Cont.)
APPROVED FUEL INJECTORS FOR USE ON LYCOMING ENGINES**

Engine Model	Fuel Injector Part Number	Lycoming Setting No.
IO-540-AG1A5 TIO-540-AE2A	61M26612 61M26354	AV 2549038-4 2549038-4
IO-540-C4B5, -J4A5	61J26439 75176	AV2524213-11 2524213-11
TIO-540-AH1A	61M26411 61M26025	AV 2576554-3 2576554-3
TIO-540-AJ1A	61M26613 61M23897	AV 2576562-4 2576562-4
TIO-540-AK1A	61J26431 61J23431	AV 2576592-2 2576592-2
TIO-540-AB1AD	61J26437 LW-19379	AV 2524979-1 2524979-1
TIO-540-J2B, -J2BD, -F2BD LTIO-540-J2B, -J2BD, -F2BD	61M26415 LW-11507	AV 2524500-9 2524500-9
AEIO-580-B1A	61M26413 61M23883 61M26404 77442	AV 2576642-1 2576642-2 AV 2524318-10 2524318-10
IO-580-B1A	61M26413 61M23883 79034	AV 2576642-1 2576642-2 2524422-9

**TABLE 2
APPROVED FUEL MANIFOLD ASSEMBLIES FOR USE ON LYCOMING ENGINES**

Engine Model	Manifold Assembly Part Number
IO-360-A1A, -M1B, -A1B6, -A1D6, -A1B6D AEIO-360-A1A, -A1D, -A1E, -A1B6, -A1D6, -A1E6, -B1F, -B2F IO-390-A1A6, -A1B6, -A3A6, -A3B6 AEIO-390-A1A6, -A1B6, -A3A6, -A3B6	63B26702 75279
IO-360- A1B6 (SOCATA)	63B26748 63B21965
IO-360-C1C, -C1C6	63B26720 78805

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TABLE 2 (Cont.)

APPROVED FUEL MANIFOLD ASSEMBLIES FOR USE ON LYCOMING ENGINES

Engine Model	Manifold Assembly Part Number
IO-360-L2A	63B26706* 63B23360* 63B26756** 63B26586** 63B26716** 63B23440** 63B26715 63B22623 63B22997*◆
IO-360-M1A	63B28106 63B22623
IO-360-M1A LIO-360-M1A	63B26757 63B26580
IO-360-A1B6, -A3B6, -A3B6D AEIO-390-A3A6	63B26724 LW-18476
IO-390-A3B6	63B28207
IO-360-C1D6, -C1G6	63B26751 LW-14113
AEIO-360-B1F	63B28097 63B22796
AEIO-360-H1A, -H1B	63B26726 LW-15533
TIO-360-C1A6D	63B26728 63B21374
IO-540-C1B5, -C4D5, -C4D5D TIO-540-AB1AD, -AB1BD AEIO-540-D4A5	63B26725 63B23244 75283
IO-540-AKIA, -D4B5, -AB1A5 AEIO-540-D4B5	63B26714 63B22999
IO-540-L1C5, -L1B5D AEIO-540-L1B5 AEIO-580-B1A	63B26703 77418
IO-540-V4A5, W1A5 AEIO-540-D4A5	63B26704 79007
IO-540-V4A5 AEIO-540-D4B5	63B26711 63B22001

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**TABLE 2 (Cont.)
APPROVED FUEL MANIFOLD ASSEMBLIES FOR USE ON LYCOMING ENGINES**

Engine Model	Manifold Assembly Part Number
IO-540-AB1A5	63B26709 63B23361 63B23104◆ 63B22997◆
IO-540-AB1A5	63B26717 63B23497 63B22197
IO-540-AC1A5	63B26708 63B23281 63B22494◆ 63B26755 63B26587
IO-540-AF1A5	63B26717 63B23497
IO-540-D4B5	63B26714 63B22999 63B23497
IO-540-K1A5, -K1G5, -K1H5, -K1K5, -K2A5, -K1A5D, -K1G5D	63B26739 63B22493 63B26731 75573
IO-540-K1B5, -K1D5, -K1E5, -K1H5	63B26725 75283
IO-540-K1A5, -K1G5	63B26713 63B22906
IO-540-K1G5	63B26754 63B23356
IO-540-K1A5, -K1A5D, -K1G5, -K1J5, -K1J5D, -K1K5, -K2A5	63B26719 LW-13518
IO-540-AE1A5	63B26710 63B23300
TIO-540-AE2A	63B26718 63B19948
TIO-540-AH1A	63B26723 63B22516
TIO-540-AJ1A	63B26707 63B23280 63B22636◆

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**TABLE 2 (Cont.)
APPROVED FUEL MANIFOLD ASSEMBLIES FOR USE ON LYCOMING ENGINES**

Engine Model	Manifold Assembly Part Number
AEIO-540-D4A5	63B26735 63B19965
IO-540-D4A5, -D4B5 AEIO-540-D4D5	63B26750 63B23244 75283
AEIO-540-L1B5, -L1D5, -L1B5D	63B26746 63B21007
IO-580-B1A AEIO-580-B1A	63B26719 LW-13518
* Inverted ** Inverted and rotated to provide for use with engine-mounted/airframe-supplied fuel flow transducer ♦ Reference the latest revision of Service Instruction No. 1489	

**TABLE 3
APPROVED FUEL NOZZLE ASSEMBLIES
FOR USE ON LYCOMING ENGINES**

Lycoming Engine Model	Lycoming Part Number
IO-360-A1A, -L2A, -M1A, -M1B, -A1B6, -A1D6, -A3B6, -A3B6D, -B1F, -B2F, -C1C6, -C1D6, -C1E6, -C1G6, IO-360-A1B6 (SOCATA) HIO-360-G1A LIO-360-M1A AEIO-360-A1A, -A1D, -A1E, -B1F, -B4A, -H1A, -H1B IO-390-A3A6, -A3B6 AEIO-390-A3A6 IO-540-C4D5, -D4A5, -D4B5, -K1A5, -K1B5, -K1D5, -K1E5 -K1G5, -K1H5, -K1J5, -K1J5D, -K1K5, -L1C5, -V4A5, -AB1A5, -AC1A5, -AE1A5, -AF1A5, -C4D5D, -K1G5D AEIO-540-D4A5, -L1B5, -L1D5 AEIO-580-B1A	63C26450 LW-18265
TIO-540-J2B, -J2BD, -F2BD LTIO-540-J2B, -J2BD, -F2BD	63C26451 LW-18853
IO-360-C1C TIO-540-AK1A, -AB1AD	63C26453 LW-18854
IO-540-AG1A5 TIO-540-AE2A, -AH1A, -AJ1A	63C26452 LW-18855

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