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# SERVICE INSTRUCTION

DATE: December 13, 2023

Service Instruction No. 1532N  
(Supersedes Service Instruction No. 1532M)  
Engineering Aspects are  
FAA Approved

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

MODELS AFFECTED: Engine models in Tables 1, 2, and 3

TIME OF COMPLIANCE: As required for replacement

**REASON FOR REVISION:** Added part numbers for IO-390-C in Table 1

**NOTICE:** 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 and approved alternate 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.

**Table 1**  
**Approved Fuel Injectors for Use on Lycoming Engines**

Engine Model	Fuel Injector Part Number	Lycoming Setting No.	Lycoming Model Designation
IO-360-A1A, -A1B, -A2B, -A1B6, -A1D6, -A1B6D, IO-360-A3B6, -A3B6D (MOONEY) IO-360-A1B6 (SOCATA) AEIO-360-A1A, -A1B, -A1D, -A1E, -A1B6, -A1E6, -A2C IO-390-A1A6, -A1B6, -A3A6, -A3B6 AEIO-390-A1A6, -A1B6, -A3A6, -A3B6 IO-540-C1B5, -C4D5, -C4D5D, -D4A5, -D4B5, -V4A5, -W1A5, -W1A5D AEIO-540-D4A5, -D4B5	61J26426	AV 2524054-11	LFR-NNSS5
	73937	2524054-11	
IO-360-B1G6, -B1E, -B2E LIO-360-B1G6	61J28856	AV 2581700	LFR-NNSS5
	76504	2524297-10	
IO-360-B4A	61J28702	AV 2581600	LFR-NNSS5



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**Table 1 (Cont.)  
Approved Fuel Injectors for Use on Lycoming Engines**

<b>Engine Model</b>	<b>Fuel Injector Part Number</b>	<b>Lycoming Setting No.</b>	<b>Lycoming Model Designation</b>
IO-360-C1C, -C1C6, -C1F	61J26432	AV 2524450-9	LFR-NNSS5
	LW-10409	2524450-9	
IO-360-C1E6 LIO-360-C1E6	61J26433	AV 2524590-8	LFR-NNSS5
	LW-12586	2524590-8	
IO-360-C1D6, -C1G6	61J26434	AV 2524592-8	LFR-NNSS5
	LW-12643	2524592-8	
IO-360-L2A, -F1A	61J26428	AV 2576536-2	LFR-NNSS5
	61J22088	2576536-2	
IO-360-N1A	61J26823	AV 2581100	LFR-NNSS5
IO -360-M1A, -M1B, -P1A LIO-360-M1A	61J26423	AV 2576568-1	LFR-NNSS5
	61J22633	2576568-1	
HIO-360-G1A	61J26429	AV 2576586-1	LFR-NNSS5
	61J23286	2576586-1	
TIO-360-C1A6D	61J26436	AV 2524939-2	LFR-NNSS5
	LW-18943	2524939-2	
AEIO-360-B1F	61J26566	AV 2576524-2	LFR-NNSS5
AEIO-360-B1F, -B2F	61J26425	AV 2524291-11	LFR-NNSS5
	76817	2524291-11	
AEIO-360-B1G6	61J26425	AV 2524291-11	LFR-NNSS5
	LW-14382	2524682-8	
AEIO-360-H1A, -H1B	61J26435	AV 2524752-7	LFR-NNSS5
	LW-15664	2524752-7	
IO-390-A3B6	61J28175	AV 2581000	LFR-NNSS5
IO-390-C1A6, -C1B6, -C3A6, -C3B6	61M28534	AV 2581500	LFR-NNSM10
	61P31530	5250014	LFR-BNRM10
IO-390-D1A6, -D1B6, -D3A6, -D3B6	61M29432	AV 2582100	LFR-NNSM10
HIO-390-A1A	61M28300	AV 2581800	LFR-NNLS10
IO-540-AB1A5, -AF1A5, -D4B5	61J26427	AV 2576544-3	LFR-NNSS5
	61J23428	2576544-3	
IO-540-AC1A5 TIO-540-AJ1A, AC1A5	61M26412	AV 2576546-3	LFR-NNLS10
	61M23429	2576546-3	
IO-540-AF1A5	61J26065	2576644-1	

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**Table 1 (Cont.)**  
**Approved Fuel Injectors for Use on Lycoming Engines**

<b>Engine Model</b>	<b>Fuel Injector Part Number</b>	<b>Lycoming Setting No.</b>	<b>Lycoming Model Designation</b>
IO-540-AE1A5	61M26405	AV 2576630-4	LFR-NNSH10
	61M23587	2576630-4	
IO-540-AG1A5 TIO-540-AE2A	61M26612	AV 2549038-4	LFR-NNLS10
	61M26354	2549038-4	
IO-540-C4B5, -C4D5, -J4A5	61J26439	AV 2524213-11	LFR-NNSS5
	75176	2524213-11	
IO-540-K1A5, -K1G5, -K1H5, -K1K5, -K2A5, -K1A5D, -K1G5D	61M26410	AV 2524273-12	LFR-NNLH10
	75567	2524273-12	
IO-540-K1B5, -K1D5, -K1H5, -K1J5, -K1J5D IO-540- M1B5D IO-580-B1A	61M26414	AV 2524422-9	LFR-NNLS10
	79034	2524422-9	
IO-540-K1B5	61M26417	AV 2524556-9	LFR-NNLH10
	LW-11924	2524556-9	
IO-540-L1C5 IO-540-L1B5D AEIO-540-L1B5, -L1B5D, -L1D5 AEIO-580-B1A	61M26404	AV 2524318-10	LFR-NNSH10
	77442	2524318-10	
TIO-540-AH1A	61M26411	AV 2576554-3	LFR-NNLS10
	61M26025	2576554-3	
TIO-540-AJ1A	61M26613	AV 2576562-4	LFR-NNLS10
	61M23430	2576562-3	
TIO-540-AK1A	61J26431	AV 2576592-2	LFR-NNSS5
	61J23431	2576592-2	
TIO-540-C1A	78318	2524359-11	
TIO-540-AB1AD, -AB1BD	61J26437	AV 2524979-1	LFR-NNSS5
	LW-19379	2524979-1	
TIO-540-J2B, -J2BD, -F2BD LTIO-540-J2B, -J2BD, -F2BD	61M26415	AV 2524500-9	LFR-NMLH10
	LW-11507	2524500-9	
AEIO-540-D4D5	61J26430	AV 2576608-1	LFR-NNSS5
	61J23246	2576608-1	
AEIO-540-L1B5 AEIO-580-B1A	61M22682	2576566-1	
IO-580-B1A AEIO-580-B1A	61M26413	AV 2576642-1	LFR-NNLS10
	61M23883	2576642-2	

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**Table 2**  
**Approved Fuel Manifold Assemblies for Use on Lycoming Engines**

Engine Model	Manifold Assembly Part Number
IO-360-A1A, A1B, A2B, -M1B, -A1B6, -A1D, -A1D6, -A1B6D AEIO-360-A1A, -A1B, -A1D, -A1E, -A1B6, -A1E6, -A2C, -B1F, -B2F HIO-390-A1A IO-390- A1A6, -A1B6, -A3A6, -A3B6, -D1A6, -D1B6, -D3A6, -D3B6 AEIO-390-A1A6, -A1B6, -A3B6	63B26702 63B26446 75279
IO-360- A1B6 (SOCATA)	63B26748 63B21965
IO-360-A1B6, -A3B6, -A3B6D, -B4A AEIO-390-A3A6 IO-390-A3A6, -A3B6	63B26724 LW-18476
IO-360-B1G6, -B1E, -B2E, -C1F, -C1C, -C1C6 LIO-360-B1G6, -C1E6	63B28889 63B28862 63B26720
LIO-360-B1G6	63B28862
IO-360-B4A, A3B6, -A3B6D	63B28703 LW-18476
IO-360-B1E, -B1G6, -B2E, -C1E6, -C1C, -C1C6, -C1F LIO-360-C1E6	63B26720 78805
IO-360-C1D6, C1G6	63B26751 LW-14113
IO-360-C1G6	63B26761
IO-360-L2A	63B26706* 63B23360* 63B26756** 63B26586** 63B26716** 63B23440** 63B28106 63B22623 63B22997*◆
IO-360-M1A, -P1A IO-390-C1A6, -C3A6, -C3B6	63B28106 63B22623
IO-360-M1A LIO-360-M1A	63B26757 63B26580
IO-360-M1A IO-360-N1A	63B28207
TIO-360-C1A6D	63B26728 63B21374
AEIO-360-B1B, -B1F	63B28097 63B22796

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**Table 2 (Cont.)**  
**Approved Fuel Manifold Assemblies for Use on Lycoming Engines**

Engine Model	Manifold Assembly Part Number
AEIO-360-H1A, -H1B	63B26726 LW-15533
IO-390-A3B6	63B28207
IO-390-C1A6, C3A6, C1B6, C3B6	63B28207 63B28106 63B22623
IO-540-AB1A5	63B26709 63B23361 63B23104◆ 63B23360
	63B26717 63B23497 63B23497
	63B26714 63B22999
IO-540-AC1A5	63B26708 63B23281 63B22494◆ 63B26755
IO-540-AE1A5	63B26710 63B23300
IO-540-AF1A5,	63B26717 63B23497
TIO-540-AK1A	63B26714 63B22999
IO-540-C1B5, -C4B5, -C4D5, -C4D5D, -J4A5, -N1A5, -R1A5 TIO-540-AB1AD, -AB1BD, -C1A AEIO-540-D4A5	63B26725 63B23244 63B26446 75283
IO-540-D4B5	63B26717 63B23497
	63B26714 63B22999 63B23497 63B23104
IO-540-D4A5, -D4B5 AEIO-540-D4D5	63B26750 63B26725 63B23244 75283
IO-540-K1G5	63B26754

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**Table 2 (Cont.)**  
**Approved Fuel Manifold Assemblies for Use on Lycoming Engines**

Engine Model	Manifold Assembly Part Number
IO-540-AA1B5, -K1A5, -K1G5, -K1H5, -K1K5, -K2A5, -K1A5D, -K1J5, -K1J5D,	63B26739 63B22493 63B26731 75573 63B26719 LW-13518
IO-540-K1A5, -K1G5, -K1G5D, -K1K5, -K2A5, -K1A5D -K1J5D, -K1J5	63B26713 63B22906
IO-540-K1B5, -K1D5, -K1E5, -K1H5, -K1C5, -K1B5, -J4A5	63B26725 75283
IO-540-L1C5, -L1B5D AEIO-540-L1B5, -L1B5D AEIO-580-B1A	63B26703 77418
AEIO-540-D4A5, -D4B5 IO-540-AA1A5, -C4D5, -K1B5, -K1F5, -K1J5, -S1A5, -T4A5D, -T4B5, -V4A5, -W1A5, -W1A5D, LTIO-540-U2A TIO-540-U2A	63B26704 79007
IO-540-V4A5 AEIO-540-D4B5, -D4A5	63B26711 63B22001
TIO-540-AE2A	63B26718 63B19948
TIO-540-AH1A	63B26723 63B22516
TIO-540-AJ1A	63B26707 63B23280 63B22636◆
AEIO-540-D4A5, -C4B5 TIO-540-AA1AD	63B26735 63B19965
AEIO-540-L1B5, -L1D5, -L1B5D	63B26746 63B21007
IO-580-B1A	63B28158 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	

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**Table 3**  
**Approved Fuel Nozzle Assemblies for Use on Lycoming Engines**

Lycoming Engine Model	Lycoming Part Number
IO-320-B1A, -D1A, -D1B AEIO-320-D1B, -D2B, -E2B LIO-320-B1A IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1D, -A1D6, -A2B, -A3B6, -A3B6D, -B1B, -B1E, -B1F, -B1F6, -B1G6, -B2E, -B4A, -C1B, -C1A, -C1C, -C1C6, -C1D6, -C1E6, -C1G6, -D1A, -F1A, -L2A, -M1A, -M1B, -P1A IO-360-A1B6 (SOCATA) AEIO-360-A1A, -A1B, -A1B6, -A1D, -A1E, -A1E6, -A2C, -B1B, -B1F, -B1H, -B2F, -B4A, -D1B, -H1A, -H1B HIO-360-A1A, -A1B, -B1A, -C1B, -C1A, -D1A, -G1A IVO-360-A1A LIO-360-B1G6, -C1E6, -M1A IO-390-A1A6, -A1B6, -A3A6, -A3B6 IO-390-C1A6, C3A6, C1B6, C3B6 IO-390-D1A6, -D1B6, -D3A6, -D3B6 HIO-390-A1A AEIO-390-A1A6, -A1B6, -A3A6, -A3B6 IO-540-AB1A5, -AC1A5, -AE1A5, -AF1A5, -C1B5, -C4B5, -C4D5, -C4D5D, -D4A5, -D4B5, -E4A5, -G1D5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1G5, -K1G5D, -K1H5, -K1J5, -K1J5D, -K1K5, -K2A5, -L1B5D, -L1C5, -M1A5, -M1B5D, -M1C5, -N1A5, -R1A5, -T4A5D, -T4B5, -T4B5D, -V4A5, -W1A5, -W1A5D TIO-540-AC1A5 AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D, -L1D5 IO-580-A1A, -B1A AEIO-580-B1A IO-720-A1B, -D1B, -D1C, -D1CD	63C26450 LW-18265
IO-540-E1B5, -M1B5D TIO-540- A2B, -A2C, -F2BD, -J2B, -J2BD, -R2AD, -S1AD LTIO-540-F2BD, -J2B, -J2BD	63C26451 LW-18853
IO-540-AG1A5 LTIO-540-U2A, -V2AD TIO-540-AE2A, -AH1A, -AJ1A, -U2A, -W2A, -V2AD	63C26452 LW-18855

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**Table 3 (Cont.)**  
**Approved Fuel Nozzle Assemblies for Use on Lycoming Engines**

Lycoming Engine Model	Lycoming Part Number
IO-320-C1A LIO-320-C1A AEIO-360-B1B HIO-360-B1A, -E1AD, -E1BD, -F1AD, IO-360-C1C, -C1F TIO-360-C1A6D AEIO-540-D4D5 IO-540-AA1B5, -J4A5, -R1A5 TIO-540-AA1AD, -AB1AD, -AB1BD, -AF1B, -AG1A, -AK1A, -C1A IO-720-B1B	63C26453 LW-18854

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