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# SERVICE INSTRUCTION

DATE: April 16, 2018

Service Instruction No. 1532K  
(Supersedes Service Instruction No. 1532J)  
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: Revised part number usage for engine models IO-360-B4A and IO-360-F1A in Table 1; added HIO-390-A1A to Tables 1, 2, and 3; revised Lycoming Setting No. for TIO-360-C1A6D, IO-360-B1G6 and IO-540-AF1A5; Removed duplicate call outs from 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.            |
|---|---------------------------|---------------------------------|
| IO-360-A1A, -A1B, -A2B, -A1B6, -A1D6,<br>-A1B6D, -A3B6, -A3B6D<br>IO-360-A1B6 (SOCATA)<br>AEIO-360-A1A, -A1B, -A1D, -A1E, -A1B6, -A1E6,<br>-A2C<br>IO-390-A1A6, -A1B6, -A3A6, -A3B6<br>AEIO-390-A1A6, -A1B6, -A3A6, -A3B6<br>IO-540-C4D5D, -D4A5, -V4A5,<br>-W1A5, -W1A5D<br>AEIO-540-D4A5, -D4B5 | 61J26426<br><br>73937     | AV 2524054-11<br><br>2524054-11 |
| IO-360-B1G6<br>LIO-360-B1G6   | 61J28856<br><br>76504     | AV 2581700<br><br>2524297-10    |
| IO-360-B4A  | 61J28702                  | AV 2581600                      |



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| 05     | 25  | 12   | 04      | 16  | 18   |          |          |

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

| Engine Model                                | Fuel Injector Part Number | Lycoming Setting No. |                                  |          |              |
|---|---------------------------|----------------------|----------------------------------|----------|--------------|
| IO-360-C1C, -C1C6, -C1F                     | 61J26432                  | AV 2524450-9         |                                  |          |              |
|   | LW-10409                  | 2524450-9            |                                  |          |              |
| IO-360-C1E6                                 | 61J26433                  | AV 2524590-8         |                                  |          |              |
|   | LW-12586                  | 2524590-8            |                                  |          |              |
| IO-360-C1D6, -C1G6                          | 61J26434                  | AV 2524592-8         |                                  |          |              |
|   | LW-12643                  | 2524592-8            |                                  |          |              |
| IO-360-L2A<br>HIO-360-B1A<br>AEIO-360-B, -H | 61J26428                  | AV 2576536-2         |                                  |          |              |
|   | 61J22088                  | 2576536-2            |                                  |          |              |
| IO-360-M1A<br>LIO-360-M1A<br>IO-360-N1A     | 61J26823                  | AV 2581100           |                                  |          |              |
|   |                           |                      | IO -360-M1A, -M1B<br>LIO-360-M1A | 61J26423 | AV 2576568-1 |
|   |                           |                      |                                  | 61J22633 | 2576568-1    |
| IO-360-P1A                                  | 61J26423                  | AV 2576568-1         |                                  |          |              |
| HIO-360-G1A                                 | 61J26429                  | AV 2576586-1         |                                  |          |              |
|   | 61J23286                  | 2576586-1            |                                  |          |              |
| TIO-360-C1A6D                               | 61J26436                  | AV 2524939-2         |                                  |          |              |
|   | LW-18943                  | 2524939-2            |                                  |          |              |
| 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-A3B6                                 | 61J28175                  | AV 2581000           |                                  |          |              |
| IO-390-C1A6, -C1B6, -C3A6, -C3B6            | 61M28534                  | AV 2581500           |                                  |          |              |
| HIO-390-A1A                                 | 61M28300                  | AV 2581200           |                                  |          |              |
| IO-540-AB1A5, -AF1A5, -D4B5                 | 61J26427                  | AV 2576544-3         |                                  |          |              |
|   | 61J23428                  | 2576544-3            |                                  |          |              |
| IO-540-AC1A5                                | 61M26412                  | AV 2576546-3         |                                  |          |              |
|   | 61M23429                  | 2576546-3            |                                  |          |              |
| IO-540-AF1A5                                | 61J26065                  | 2576644-1            |                                  |          |              |

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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-AE1A5  | 61M26405<br>61M23587      | AV 2576630-4<br>2576630-4   |
| IO-540-AG1A5<br>TIO-540-AE2A  | 61M26612<br>61M26354      | AV 2549038-4<br>2549038-4   |
| IO-540-C4B5, -C4D5, -J4A5   | 61J26439<br>75176         | AV 2524213-11<br>2524213-11 |
| IO-540-G1A5, -K1A5, -K1G5, -K1H5, -K1K5, -K2A5,<br>-K1A5D, -K1G5D       | 61M26410<br>75567         | AV 2524273-12<br>2524273-12 |
| IO-540-K1B5, -K1D5, -K1H5, -K1J5, -K1J5D<br>IO-540- M1B5D<br>IO-580-B1A | 61M26414<br>79034         | AV 2524422-9<br>2524422-9   |
| IO-540-K1B5   | 61M26417<br>LW-11924      | AV 2524556-9<br>2524556-9   |
| IO-540-L1C5<br>IO-540-L1B5D<br>AEIO-540-L1B5, -L1D5<br>AEIO-580-B1A     | 61M26404<br>77442         | AV 2524318-10<br>2524318-10 |
| TIO-540-AH1A  | 61M26411<br>61M26025      | AV 2576554-3<br>2576554-3   |
| TIO-540-AJ1A  | 61M26613<br>61M23897      | AV 2576562-4<br>2576562-4   |
| TIO-540-AK1A  | 61J26431<br>61J23431      | AV 2576592-2<br>2576592-2   |
| TIO-540-C1A   | 78318                     | 2524359-11                  |
| TIO-540-AB1AD, -AB1BD   | 61J26437<br>LW-19379      | AV 2524979-1<br>2524979-1   |
| TIO-540-J2B, -J2BD, -F2BD<br>LTIO-540-J2B, -J2BD, -F2BD                 | 61M26415<br>LW-11507      | AV 2524500-9<br>2524500-9   |
| AEIO-540-D4D5   | 61J26430<br>61J23246      | AV 2576608-1<br>2576608-1   |
| AEIO-540-L1B5<br>AEIO-580-B1A   | 61M22682                  | 2576566-1                   |
| IO-580-B1A<br>AEIO-580-B1A  | 61M26413<br>61M23883      | AV 2576642-1<br>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, A2C, -M1B, -A1B6, -A1D6, -A1B6D<br>AEIO-360-A1A, -A1D, -A1E, -A1B6, -A1D6, -A1E6, -B1F, -B2F<br>IO-390-A1A6, -A1B6, -A3A6, -A3B6<br>AEIO-390-A1A6, -A1B6, -A3A6, -A3B6 | 63B26702<br>75279  |
| IO-360- A1B6 (SOCATA)  | 63B26748<br>63B21965   |
| IO-360-A1B6, -A3B6, -A3B6D<br>AEIO-390-A3A6  | 63B26724<br>LW-18476   |
| IO-360-B1G6  | 63B28889<br>63B28862<br>78805  |
| LIO-360-B1G6   | 63B28862   |
| IO-360-B4A   | 63B28703<br>63B26724   |
| IO-360-C1C, -C1C6, -C1F  | 63B26720<br>78805  |
| IO-360-C1D6, C1G6  | 63B26751<br>LW-14113   |
| IO-360-C1G6  | 63B26761   |
| IO-360-L2A   | 63B26706*<br>63B23360*<br>63B26756**<br>63B26586**<br>63B26716**<br>63B23440**<br>63B26715<br>63B22623<br>63B22997*◆ |
| IO-360-M1A, -P1A   | 63B28106<br>63B22623   |
| IO-360-M1A<br>LIO-360-M1A  | 63B26757<br>63B26580   |
| IO-360-M1A<br>IO-360-N1A   | 63B28207   |
| TIO-360-C1A6D  | 63B26728<br>63B21374   |
| AEIO-360-B1B, -B1F   | 63B26724<br>63B28097<br>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<br>LW-15533                                      |
| IO-390-A3B6  | 63B28207<br>63B26756                                      |
| IO-390-C1A6, C3A6, C1B6, C3B6  | 63B28207<br>63B28106                                      |
| HIO-390-A1A  | 63B26702  |
| IO-540-AB1A5   | 63B26709<br>63B23361<br>63B23104◆<br>63B22997◆            |
|  | 63B26717<br>63B23497<br>63B22197                          |
|  | 63B26714<br>63B22999                                      |
| IO-540-AC1A5   | 63B26708<br>63B23281<br>63B22494◆<br>63B26755<br>63B26587 |
| IO-540-AE1A5   | 63B26710<br>63B23300                                      |
| IO-540-AF1A5,  | 63B26717<br>63B23497                                      |
| TIO-540-AK1A   | 63B26714<br>63B22999                                      |
| IO-540-C1B5, -C4D5, -C4D5D<br>TIO-540-AB1AD, -AB1BD<br>AEIO-540-D4A5 | 63B23244<br>63B26725<br>63B23244<br>75283                 |
| IO-540-D4B5  | 63B26717<br>63B23497                                      |
|  | 63B26714<br>63B22999<br>63B23497                          |
| IO-540-D4A5, -D4B5<br>AEIO-540-D4D5                                  | 63B26750<br>63B23244<br>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-K1A5, -K1G5, -K1H5, -K1K5, -K2A5, -K1A5D, -K1G5D  | 63B26739<br>63B22493<br>63B26731<br>75573 |
| IO-540-K1A5, -K1A5D, -K1G5, -K1J5, -K1J5D, -K1K5, -K2A5  | 63B26719<br>LW-13518                      |
| IO-540-K1A5, -K1G5   | 63B26713<br>63B22906                      |
| IO-540-K1B5, -K1D5, -K1E5, -K1H5   | 63B26725<br>75283                         |
| IO-540-J4A5  | 63B26725                                  |
| IO-540-L1C5, -L1B5D<br>AEIO-540-L1B5<br>AEIO-580-B1A   | 63B26703<br>77418                         |
| IO-540-C4D5, -K1B5, -V4A5, -W1A5, -W1A5D<br>AEIO-540-D4A5, -D4B5   | 63B26704<br>79007                         |
| IO-540-V4A5<br>AEIO-540-D4B5   | 63B26711<br>63B22001                      |
| TIO-540-AE2A   | 63B26718<br>63B19948                      |
| TIO-540-AH1A   | 63B26723<br>63B22516                      |
| TIO-540-AJ1A   | 63B26707<br>63B23280<br>63B22636♦         |
| AEIO-540-D4A5  | 63B26735<br>63B19965                      |
| AEIO-540-L1B5, -L1D5, -L1B5D   | 63B26746<br>63B21007                      |
| IO-580-B1A<br>AEIO-580-B1A   | 63B28158<br>63B26719<br>LW-13518          |
| * Inverted<br>** Inverted and rotated to provide for use with engine-mounted/airframe-supplied fuel flow transducer<br>♦ 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<br>AEIO-320-D1B, -D2B, -E2B<br>LIO-320-B1A<br>IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1D, -A1D6, -A2B, -A3B6, -A3B6D,<br>-B1B, -B1E, -B1F, -B1F6, -B1G6, -B2E, -B4A, -C1B, -C1A, -C1C,<br>-C1C6, -C1D6, -C1E6, -C1G6, -D1A, -F1A, -L2A, -M1A, -M1B,<br>-N1A, -P1A<br>IO-360-A1B6 (SOCATA)<br>AEIO-360-A1A, -A1B, -A1B6, -A1D, -A1E, -A1E6, -A2C, -B1B, -B1F,<br>-B1H, -B2F, -B4A, -H1A, -H1B<br>HIO-360-A1A, -B1A, -C1B, -C1A, -D1A, -G1A<br>IVO-360-A1A<br>LIO-360-B1G6, -C1E6, -M1A<br>IO-390-A1A6, -A1B6, -A3A6, -A3B6<br>IO-390-C1A6, C3A6, C1B6, C3B6<br>HIO-390-A1A<br>AEIO-390-A1A6, -A1B6, -A3A6, -A3B6<br>IO-540-AB1A5, -AC1A5, -AE1A5, -AF1A5, -C1B5, -C4B5, -C4D5, -C4D5D<br>-D4A5, -D4B5, -G1D5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5,<br>-K1D5, -K1E5, -K1F5, -K1G5, -K1G5D, -K1H5, -K1J5, -K1J5D, -K1K5,<br>-K2A5, -L1B5D, -L1C5, -M1A5, -M1C5, -N1A5, -R1A5, -T4A5D,<br>-T4B5, -T4B5D, -V4A5, -W1A5, -W1A5D<br>AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D, -L1D5<br>IO-580-B1A<br>AEIO-580-B1A<br>IO-720-A1B, -D1B, -D1C, -D1CD | 63C26450<br>LW-18265 |
| IO-540-M1B5D<br>TIO-540-F2BD, -J2B, -J2BD<br>LTIO-540-F2BD, -J2B, -J2BD   | 63C26451<br>LW-18853 |
| IO-540-AG1A5<br>TIO-540-AE2A, -AH1A, -AJ1A  | 63C26452<br>LW-18855 |
| IO-360-C1F<br>TIO-360-C1A6D<br>AEIO-540-D4D5<br>TIO-540-AB1AD, -AB1BD, -AK1A  | 63C26453<br>LW-18854 |

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