

**SERVICE
INSTRUCTION**

DATE: May 19, 2000 Service Instruction No. 1443E
(Supersedes Service Instruction No. 1443D)
Engineering Aspects are
FAA Approved

SUBJECT: Approved Slick Magnetos on Textron Lycoming Engines

MODELS AFFECTED: See engine model breakdown below.

TIME OF COMPLIANCE: Not applicable.

The following breakdown lists Slick Magnetos approved for use on Textron Lycoming engines.

CAUTION

THE USE OF SLICK MAGNETOS ON ENGINES EQUIPPED WITH AFTERMARKET
TURBOCHARGER KITS MUST BE APPROVED BY THE STC HOLDER.

SLICK MAGNETOS

ENGINE MODEL	Left Magneto	Right Magneto
O-235-C1	4373	4370
O-235-C1B	4347	4370
O-235-C2A	4373	4370
O-235-C2C	4371	4370
O-235-F2B	4373	4370
O-235-H2C	4371	4370
O-235-K2B	4372	4370
O-235-K2C	4372	4372
O-235-L2A	4372	4370
O-235-L2C	4372, 4381	4370, 4381
O-235-N2C	4371, 4381	4370, 4381
O-320-A2A	4373	4370
O-320-A2B	4373	4370
O-320-A2C	4347	4370
O-320-A2D	4371	4370
O-320-A3A	4373	4370
O-320-A3B	4373	4370
O-320-B1A	4347	4370
O-320-B2A	4373	4370
O-320-B2B	4371, 4373	4370
O-320-B2C	4371	4342
O-320-B2D	4373	4370
O-320-B3B	4373	4370

SLICK MAGNETOS (CONT.)

ENGINE MODEL	Left Magneto	Right Magneto
O-320-D1A	4371, 4373, 4771	4342, 4370, 4770
O-320-D1D	4371	4370
O-320-D1F	4373, 4771	4370, 4770
O-320-D2A	4373, 4771	4370, 4770
O-320-D2B	4347	4370
O-320-D2G	4371	4370
O-320-D2J	4371	4371
O-320-D3G	4371	4370
O-320-E1F	4371, 4373	4370
O-320-E2A	4373	4370
O-320-E2D	4371	4370
O-320-E2G	4371	4370
O-320-E3D	4371	4370
IO-320-B1A	4373	4373
IO-320-C1A**	4373	4373
IO-320-D1A	4373	4370
IO-320-D1B	4373	4370
IO-320-E1A	4373	4370
IO-320-E2A	4373	4373
IO-320-E2B	4371	4370
AEIO-320-D1B	4373	4370
AEIO-320-D2B	4373	4353, 4370
AEIO-320-E1B	4371	4371
AEIO-320-E2B	4371	4371
LIO-320-B1A	4330	4330
LIO-320-C1A**	4330	4330
O-360-A1A	4373, 4771	4370, 4770
O-360-A1D	4347	4370
O-360-A1F6	4373, 4771	4342, 4370, 4770
O-360-A1G6	4373	4370
O-360-A1H	4373	4370
O-360-A1H6	4373	4370
O-360-A1P	4373	4370
O-360-A2A	4373	4370
O-360-A2F	4373	4370
O-360-A2G	4373	4370
O-360-A3A	4373	4370
O-360-A4A	4373	4370
O-360-A4G	4373	4370
O-360-A4J	4373	4370
O-360-A4K	4371	4370
O-360-A4M	4371, 4373, 4771	4370, 4770
O-360-A4N	4371	4371
O-360-A4P	4371	4370
O-360-C1E	4371	4370
O-360-C1F	4371	4370
O-360-C1G	4371, 4373	4370
O-360-C2A	4373	4370
O-360-C2C	4347, 4776	4370, 4770
O-360-C2E	4371	4370
O-360-C4F	4371	4370
O-360-C4P	4371	4370
O-360-F1A6	4371	4371
IO-360-A1A	4345	4370

** - These engines cannot be built with Slick magnetos when aftermarket turbocharger kits are installed.

SLICK MAGNETOS (CONT.)

ENGINE MODEL	Left Magneto	Right Magneto
IO-360-A1B	4372	4370
IO-360-A1B6	4372, 4761	4370, 4770
IO-360-A1D6	4370	4370
IO-360-A2B	4372	4370
IO-360-A3B6	4372, 4761	4370, 4770
IO-360-B1B	4347	4370
IO-360-B1E	4373, 4771	4370, 4770
IO-360-B1F	4373, 4771	4370, 4770
IO-360-B1G6	4373, 4771	4370, 4770
IO-360-B2E	4373	4370
IO-360-C1A	4371	4371
IO-360-C1B	4345	4370
IO-360-C1C	4372	4370
IO-360-C1C6	4372	4370
IO-360-C1D6	4372	4370
IO-360-C1E6	4372	4370
IO-360-C1F	4372	4370
IO-360-C1G6	4766	4766
IO-360-D1A	4345	4370
IO-360-L2A	4371	4371
IO-360-M1A	4371, 4771	4370, 4371, 4770
AEIO-360-A1B	4372	4370
AEIO-360-A1B6	4372, 4373	4353, 4370
AEIO-360-A1D	4372	4370
AEIO-360-A1E	4372, 4373	4370
AEIO-360-A1E6	4372, 4761	4370, 4770
AEIO-360-B1F	4373, 4771	4370, 4770
AEIO-360-B1G6	4371	4371
AEIO-360-B1H	4373	4370
AEIO-360-B2F	4373	4373
AEIO-360-B4A	4373	4370
AEIO-360-H1A	4371	4371
AEIO-360-H1B	4371	4371
HO-360-C1A	4347	4370
HIO-360-D1A	4345	4345
LO-360-A1H6	4330	4302
LIO-360-C1E6	4374	4302
O-540-A1A5	6355	6350
O-540-A1B5	6355	6355
O-540-A1C5	6355	6350
O-540-A1D5	6393	6350
O-540-A4A5	6351	6350
O-540-B1A5	6393	6350
O-540-B2B5	6355, 6393	6350
O-540-B2C5	6351, 6393	6350
O-540-B4B5	6355	6350
O-540-E4A5	6393	6350
O-540-E4B5	6355, 6393	6350
O-540-E4C5	6351, 6393	6371
O-540-G1A5	6351, 6393	6350
O-540-G2A5	6351, 6393	6350

SLICK MAGNETOS (CONT.)

ENGINE MODEL	Left Magneto	Right Magneto
O-540-H2A5	6351	6351
O-540-J3A5	6351	6350
IO-540-C4B5	6393	6350
IO-540-C4D5	6351	6350
IO-540-D4A5	6393	6350
IO-540-E1A5	6393	6350
IO-540-E1B5	6393	6350
IO-540-K1A5	6351, 6393	6350
IO-540-K1B5	6351, 6393	6371
IO-540-K1D5	6393	6350
IO-540-K1E5	6351, 6393	6351, 6350
IO-540-K1G5	6351, 6393	6350
IO-540-K1H5	6351	6350
IO-540-K1J5	6393	6350
IO-540-K1K5	6351, 6393	6350
IO-540-L1C5	6351, 6393	6350
IO-540-M1C5	6393	6350
IO-540-N1A5	6393	6350
IO-540-T4B5	6351	6350
IO-540-V4A5	6351	6350
IO-540-W1A5	6351	6350
IO-540-AB1A5	6351	6351
IO-540-AC1A5	6351, 6393	6351, 6350
AEIO-540-D4A5	6393	6350
AEIO-540-D4B5	6351	6371
AEIO-540-D4D5	6393	6393
AEIO-540-L1B5	6351, 6393	6350
TIO-540-A2B	6363	6360
TIO-540-A2C	6363	6360
TIO-540-J2B	6363	6360
TIO-540-W2A	6361, 6393	6361, 6360
TIO-540-AE2A	6363	6360
TIO-540-AF1A	6361	6360
TIO-540-AF1B	6361	6360
TIO-540-AG1A	6361	6360
TIO-540-AH1A	6361, 6393	6360
TIO-540-AJ1A	6361, 6393	6361, 6360
LTIO-540-J2B	6394	6340

NOTES

All TIO-540 engines require Slick Pressurized Magnetos. See latest copy of Parts Catalog for pressurizing hardware.

Engine models (except those O-360-A4A, -A4J, -A3A and IO-360-B4A engines designated in the latest edition of Service Bulletin No. 411) which have an impulse coupling magneto installed on the left as original equipment, are approved to use two impulse coupling magnetos on the same engine.

Positioning mark on the magneto drive retainer gear assembly should be used for reference only. Alignment of these marks is not required. Magneto positioning (typically 0 + 10° above horizontal) must be held in accordance with the installation requirements.

CAUTION

IF THE MAGNETO THAT IS BEING REPLACED IS SUPPLIED WITH COOLING, THE REPLACEMENT SLICK MAGNETO MUST ALSO BE SUPPLIED WITH COOLING.

**CROSS REFERENCE OF
TEXTRON LYCOMING AND SLICK NUMBERS**

SLICK MODEL NO.	TEXTRON PART NO.
4302	<u>66GP-0RANN</u>
4330	<u>66GC25RFNN</u>
4342	<u>66GP-0SAEN</u>
4343	<u>66GP-0RAEN</u>
4345	<u>66GR15SANN</u>
4347	<u>66GR25RANN</u>
4353	<u>66GP-0SAGN</u>
4354	<u>66GC25SFGN</u>
4370	<u>66GP-0SANN</u>
4371	<u>66GC20SFNN</u>
4372	<u>66GC15SFNN</u>
4373	<u>66GC25SFNN</u>
4374	<u>66GC15RFNN</u>
4381	<u>66GC05SFNN</u>
4761	<u>66K22535</u>
4766	<u>66K22536</u>
4770	<u>66K22445</u>
4771	<u>66K22442</u>
4775	<u>66K22444</u>
4776	<u>66K22443</u>
6331	<u>66LC35RDNP</u>
6340	<u>66LP-0RCNP</u>
6350	<u>66LP-0SCNN</u>
6351	<u>66LC35SDNN</u>
6355	<u>66LC45SDNN</u>
6360	<u>66LP-0SCNP</u>
6361	<u>66LC35SDNP</u>
6363	<u>66LR30SCNP</u>
6365	<u>66LR25SCNP</u>
6371	<u>66LP-0SCGN</u>
6390	<u>66LP-0SCEN</u>
6391	<u>66LR25RCNP</u>
6392	<u>66LR37RCNN</u>
6393	<u>66LR37SCNN</u>
6394	<u>66LR30RCNP</u>

NOTE: Revision "E" adds 6393 magneto to some engine models.