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MANDATORY

SERVICE BULLETIN

DATE: September 24, 2021

Service Bulletin No. 645
Engineering Aspects are
FAA Approved

SUBJECT: Small End Connecting Rod Bushing Inspection
MODELS AFFECTED: Engines with a serial number listed in Table 1 of this Service Bulletin
TIME OF COMPLIANCE: Within the next 10 hours of engine operation

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

This Service Bulletin contains required action to inspect, remove, and replace connecting rods that could contain bushings that do not meet Lycoming Engine's specifications.

Table 1 identifies engines subject to inspection under this service bulletin in order to confirm these engines have connecting rod bushings installed that meet Lycoming Engine's specifications.

Table 1
Affected Lycoming Engines

Engine Model	Serial Number	Engine Model	Serial Number	Engine Model	Serial Number
O-320-D2J	L-20425-39E	IO-360-A3B6	L-35292-51E	O-540-J3C5D	RL-25394-40E
O-320-D2J	RL-8518-39E	IO-360-B4A	RL-30693-51E	IO-540-AB1A5	RL-24884-48E
O-320-D2J	RL-9741-39E	IO-360-L2A	L-35600-51E	IO-540-AB1A5	RL-28287-48E
O-320-D2J	RL-19910-39E	IO-360-L2A	RL-28343-51E	IO-540-AE1A5	RL-14907-48E
O-320-E2D	RL-19277-27E	IO-360-L2A	RL-28383-51E	IO-540-AE1A5	RL-18668-48E
O-320-E2D	RL-23958-27E	IO-360-L2A	RL-30748-51E	IO-540-AF1A5	RL-28296-48E
O-360-A1H6	L-41287-36E	IO-360-L2A	RL-30797-51E	IO-540-J4A5	RL-28311-48E
O-360-A4M	L-22132-36E	IO-360-L2A	RL-30906-51E	IO-540-K1B5	L-28286-48E
O-360-A4M	RL-20381-36E	IO-360-L2A	RL-31215-51E	IO-540-K1G5	RL-14906-48E
O-360-A4M	RL-22581-36E	IO-360-L2A	RL-35954-51E	IO-540-K1G5	RL-17567-48E
O-360-A4M	RL-23122-36E	IO-360-M1A	L-27956-51E	IO-540-K1G5	RL-28297-48E
O-360-A4M	RL-24386-36E	IO-360-M1A	L-31908-51E	IO-540-K1G5D	RL-21803-48E
O-360-C4P	RL-42881-36E	IO-360-M1A	RL-11619-51E	IO-540-V4A5	L-27678-48E
O-360-F1A6	L-13043-36E	LO-360-A1H6	L-1027-71E	TIO-540-A2C	RL-13765-61A
O-360-F1A6	RL-42850-36E	AEIO-360-A1B6	RL-36174-51E	TIO-540-AJ1A	RL-12015-61E
O-360-J2A	RL-42346-36E	AEIO-360-A1B6	RL-36179-51E	TIO-540-AJ1A	RL-7503-61E
IO-360-A1B6	RL-28449-51E	IO-390-A1A6	RL-721-80E	TIO-540-AK1A	RL-7502-61A
IO-360-A1B6	RL-30545-51E	IO-390-A3A6	RL-710-80E	TIO-540-AK1A	RL-7600-61A
IO-360-A1B6	RL-30746-51E	O-540-A1D5	RL-20028-40E	TIO-540-J2B	RL-13870-61A
IO-360-A3B6	L-27155-51E	O-540-E4C5	RL-26051-40E	IO-580-B1A	RL-228-79E

WARNING: YOU MUST COMPLETE THE "REQUIRED ACTION" IN THIS SERVICE BULLETIN TO ENSURE THAT YOUR CONNECTING ROD BUSHINGS ARE PROPERLY SEATED. IF A CONNECTING ROD BUSHING BECOMES UNSEATED, THE CONNECTING ROD CAN FAIL, CAUSING AN UNCOMMANDED AND COMPLETE LOSS OF POWER WHICH COULD LEAD TO DEATH OR SERIOUS INJURY.



General Aviation
Manufacturers Association

ISSUED			REVISED			PAGE NO.	REVISION
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