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MANDATORY

SERVICE BULLETIN

DATE: March 10, 2026 Service Bulletin No. 667
 SUBJECT: Piston Pin Replacement.
 MODELS AFFECTED: All Lycoming Engines or Cylinder Kits using LW-13445 Piston Pins, or Spare LW-13445 Piston Pins with an 8130-3 dated between January 7, 2021, and December 12, 2025.
 TIME OF COMPLIANCE: Refer to Required Action.

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 provides Instructions for Continued Airworthiness (ICA).

Lycoming Engines has determined that thin-wall piston pins P/N LW-13445 installed in engines, sold as spares, or sold within cylinder kits listed in table 1, that have an 8130-3 date in block 13 between January 7, 2021, and December 12, 2025, may contain undesirable manufacturing artifacts in the inside bore.

⚠ WARNING: YOU MUST COMPLETE THE “REQUIRED ACTION” IN THIS SERVICE BULLETIN TO ENSURE THAT YOUR PISTON PINS ARE IN COMPLIANCE. PISTON PIN FAILURE CAN CAUSE AN UNCOMMANDED AND COMPLETE LOSS OF POWER.

Table 1:

| | | | | |
|----------|------------|------------|----------|----------|
| LW-13445 | 05K21213-A | 05K21215-A | 05K21231 | 05K21117 |
| 05K23037 | 05K23038 | 05K23040 | 05K29652 | |

Required Action:

Do not install any LW-13445 piston pins with 8130-3 dates in block 13 between January 7, 2021, and December 15, 2025. Remove and quarantine unused LW-13445 piston pins within the affected range. Arrange for the return of unused piston pins through the Lycoming Distributor from which they were originally procured. Order replacement inventory as needed.

Engines with Serial numbers Listed in Table 2 or Spare Parts with an 8130-3 Date in block 13 between January 7, 2021 & March 22, 2023:

- At any maintenance event requiring the removing of a cylinder assembly with an affected LW-13445 piston pin:
 - Replace with new piston pin in accordance with the appropriate Lycoming maintenance publication for your engine model.
- At next overhaul, not to exceed the time listed in the current revision of Lycoming Service Instruction 1009:
 - Replace with a new piston pin in accordance with the current revision of Lycoming mandatory Service Bulletin 240.



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Engines with Serial Numbers listed in Table 3 or Spare Parts with an 8130-3 Date in Block 13 between March 23, 2023 & December 15, 2025:

- In the next 25 hours of operation, not to exceed 150 hours' time in service:
 - Replace with new piston pin in accordance with the appropriate Lycoming maintenance publication for your engine model.
- If greater than 150 hours' time in service:
 - Before next flight, complete "Oil Servicing, Metallic Solids Identification After Oil Servicing, and Associated Corrective Action" in accordance with the current revision of Lycoming Mandatory Service Bulletin 480.
 - If no recommended corrective action per Service Bulletin 480, within 5 hours of operation, replace with new piston pin in accordance with the appropriate Lycoming maintenance publication for your engine model.

NOTICE: Do not pull the cylinder completely past the piston since it could require additional work, parts replacement and break-in of engine.

Warranty:

This service document is mandatory.

Consideration for compliance with this service document will be 12 months from the date of release of this service document.

Affected engines within the factory warranty period may qualify for parts and labor coverage as required to comply with this service document as outlined in Lycoming Engine's Limited Warranty available online at www.lycoming.com/Warranty. Contact an Authorized Lycoming Distributor for assistance in filing a warranty claim and to order all necessary parts.

Affected engines not within the factory warranty period may qualify for parts and labor coverage as required to comply with this service document by filing a claim for:

- Reimbursement of the replacement parts.
- Associated Standard, Non-Expedited Freight.
- Removal and Reinstallation Labor in accordance with the current applicable Lycoming Warranty Policy and latest revision of Lycoming's SSP-875 Removal and Installation Labor Allowance Guidebook.

Contact an Authorized Lycoming Distributor for assistance in filing a warranty claim and to order all necessary parts.

Return the removed Piston Pins directly to Lycoming Engines at the address below:

Lycoming Engines
652 Olive Street
Williamsport PA, 17701
Attn: SB 667 Piston Pin Returns

If you have any questions, contact Lycoming Technical Support by phone at +1-570-327-7222 or +1-877-839-7878 or email to Technicalsupport@lycoming.com.

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Table 2:

| O-235 Series | | | | | |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| L-10034-15 | L-10775-15 | L-13039-15 | L-14932-15 | L-15078-15 | L-15105-15 |
| L-15118-15 | L-15208-15 | L-16155-15 | L-17599-15 | L-18529-15 | L-18855-15 |
| L-18963-15 | L-19897-15 | L-20160-15 | L-20275-15 | L-20355-15 | L-20787-15 |
| L-21612-15 | L-21906-15 | L-21951-15 | L-22180-15 | L-22647-15 | L-22951-15 |
| L-23192-15 | L-23952-15 | L-24058-15 | L-24837-15 | L-25284-15 | L-25386-15 |
| L-25477-15 | L-25499-15 | L-25508-15 | L-25657-15 | L-25695-15 | L-25713-15 |
| L-25744-15 | L-25958-15 | L-26020-15 | L-26021-15 | L-26022-15 | L-26023-15 |
| L-26024-15 | L-26025-15 | L-26026-15 | L-26027-15 | L-26028-15 | L-26029-15 |
| L-26030-15 | L-26031-15 | L-3050-15 | L-7085-15 | L-9077-15 | RL-10444-15 |
| RL-10862-15 | RL-11088-15 | RL-11119-15 | RL-12019-15 | RL-12814-15 | RL-12868-15 |
| RL-13203-15 | RL-13596-15 | RL-13601-15 | RL-13628-15 | RL-13784-15 | RL-13785-15 |
| RL-13788-15 | RL-13884-15 | RL-13905-15 | RL-13906-15 | RL-13953-15 | RL-14053-15 |
| RL-14250-15 | RL-14396-15 | RL-14462-15 | RL-14511-15 | RL-14585-15 | RL-14674-15 |
| RL-14680-15 | RL-14765-15 | RL-14837-15 | RL-14895-15 | RL-14898-15 | RL-14920-15 |
| RL-14952-15 | RL-14960-15 | RL-15054-15 | RL-15055-15 | RL-15133-15 | RL-15272-15 |
| RL-15382-15 | RL-15502-15 | RL-15570-15 | RL-15758-15 | RL-15847-15 | RL-15958-15 |
| RL-15979-15 | RL-16030-15 | RL-16096-15 | RL-16100-15 | RL-16264-15 | RL-16395-15 |
| RL-16564-15 | RL-16706-15 | RL-16733-15 | RL-16736-15 | RL-16750-15 | RL-16762-15 |
| RL-16862-15 | RL-16900-15 | RL-16962-15 | RL-16973-15 | RL-17104-15 | RL-17343-15 |
| RL-21928-15 | RL-23265-15 | RL-23671-15 | RL-24002-15 | RL-24050-15 | RL-24145-15 |
| RL-24227-15 | RL-25034-15 | RL-25324-15 | RL-25892-15 | RL-9497-15 | |
| O-540 Series | | | | | |
| L-1035-40E | L-20379-40E | L-28042-40E | RL-6067-40E | RL-9267-40E | RL-9562-40E |
| RL-10238-40E | RL-12057-40E | RL-13068-40E | RL-13204-40E | RL-13271-40E | RL-15029-40E |
| RL-15849-40E | RL-17744-40E | RL-18373-40E | RL-18540-40E | RL-19385-40E | RL-19429-40E |
| RL-19813-40E | RL-20221-40E | RL-20397-40E | RL-20580-40E | RL-23081-40E | RL-23493-40E |
| RL-23948-40E | RL-24112-40E | RL-24188-40E | RL-24377-40E | RL-26032-40E | |
| IO-540 Series | | | | | |
| L-11883-48E | L-12752-48E | L-15170-48E | L-15214-48E | L-24941-48E | L-25598-48E |
| L-26135-48E | L-31136-48E | L-31681-48E | L-31877-48E | L-32117-48E | L-33795-48E |
| L-33925-48E | L-34240-48E | L-34252-48E | L-34351-48E | L-34352-48E | L-34358-48E |
| L-34386-48E | L-34412-48E | L-35116-48E | L-35201-48E | L-37630-48E | L-37635-48E |
| L-37639-48E | L-37652-48E | L-37653-48E | L-37657-48E | L-37658-48E | L-37660-48E |
| L-37663-48E | L-37666-48E | L-37680-48E | L-37681-48E | L-37687-48E | L-37694-48E |
| L-37698-48E | L-37700-48E | L-37709-48E | L-37710-48E | L-37712-48E | L-37718-48E |
| L-37737-48E | L-37738-48E | L-37748-48E | L-37756-48E | L-37762-48E | L-37763-48E |
| L-37770-48E | L-37786-48E | L-37787-48E | L-37812-48E | L-37813-48E | L-37817-48E |
| L-37818-48E | L-37836-48E | L-37837-48E | L-37838-48E | L-37839-48E | L-37840-48E |
| L-37857-48E | L-37862-48E | L-37863-48E | L-37868-48E | L-37869-48E | L-37878-48E |
| L-37879-48E | L-37880-48E | L-37899-48E | L-37900-48E | L-37901-48E | L-37910-48E |

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Table 2 (Cont.):

| IO-540-Series | | | | | |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| L-37910-48E | L-37911-48E | L-37924-48E | L-37925-48E | L-37926-48E | L-37927-48E |
| L-37928-48E | L-37946-48E | L-37947-48E | L-37948-48E | L-37949-48E | L-37950-48E |
| L-37989-48E | L-37990-48E | L-37991-48E | L-37992-48E | L-37994-48E | L-38015-48E |
| L-38016-48E | L-38017-48E | L-38018-48E | L-38034-48E | L-38035-48E | L-38036-48E |
| L-38037-48E | L-38038-48E | L-38059-48E | L-38060-48E | L-38061-48E | L-38062-48E |
| L-38063-48E | L-38078-48E | L-38080-48E | L-38085-48E | L-38086-48E | L-38097-48E |
| L-38098-48E | L-38099-48E | L-38104-48E | L-38105-48E | L-38106-48E | L-38118-48E |
| L-38119-48E | L-38120-48E | L-38121-48E | L-38122-48E | L-38142-48E | L-38143-48E |
| L-38144-48E | L-38145-48E | L-38174-48E | L-38175-48E | L-38192-48E | L-38193-48E |
| L-38203-48E | L-38206-48E | L-38207-48E | L-38225-48E | L-38226-48E | L-38227-48E |
| L-38228-48E | L-38241-48E | L-38264-48E | RL-3251-48E | RL-3739-48E | RL-4261-48E |
| RL-4847-48E | RL-5342-48E | RL-6592-48E | RL-8591-48E | RL-9457-48E | RL-9500-48E |
| RL-11451-48E | RL-10409-48E | RL-11691-48E | RL-13440-48E | RL-14089-48E | RL-15761-48E |
| RL-16869-48E | RL-17163-48E | RL-17773-48E | RL-18371-48E | RL-18556-48E | RL-18613-48E |
| RL-19103-48E | RL-20188-48E | RL-20397-48E | RL-20456-48E | RL-20468-48E | RL-20795-48E |
| RL-22946-48E | RL-23099-48E | RL-23237-48E | RL-24039-48E | RL-24106-48E | RL-24195-48E |
| RL-24202-48E | RL-24400-48E | RL-24434-48E | RL-24932-48E | RL-25156-48E | RL-25638-48E |
| RL-25766-48E | RL-25852-48E | RL-26033-48E | RL-26096-48E | RL-26815-48E | RL-27129-48E |
| RL-27169-48E | RL-27369-48E | RL-27384-48E | RL-27547-48E | RL-28142-48E | RL-28399-48E |
| RL-28449-48E | RL-28606-48E | RL-29127-48E | RL-29623-48E | RL-30529-48E | RL-30653-48E |
| RL-30953-48E | RL-31449-48E | RL-32346-48E | | | |

Table 3:

| O-235 Series | | | | | |
|---------------------|-------------|-------------|-------------|-------------|-------------|
| L-7457-15 | L-8310-15 | L-9197-15 | L-10092-15 | L-10130-15 | L-12500-15 |
| L-12846-15 | L-12985-15 | L-13029-15 | L-13368-15 | L-13533-15 | L-13950-15 |
| L-14202-15 | L-14475-15 | L-14766-15 | L-15489-15 | L-16374-15 | L-17109-15 |
| L-17370-15 | L-17543-15 | L-17796-15 | L-18406-15 | L-18959-15 | L-19025-15 |
| L-19312-15 | L-20493-15 | L-22378-15 | L-23167-15 | L-23342-15 | L-23627-15 |
| L-23884-15 | L-24065-15 | L-24178-15 | L-24304-15 | L-24535-15 | L-25202-15 |
| L-25299-15 | L-25423-15 | L-25556-15 | L-25600-15 | L-25607-15 | L-25615-15 |
| L-25671-15 | L-25798-15 | L-25873-15 | L-25941-15 | L-25954-15 | L-25956-15 |
| L-25966-15 | L-25997-15 | L-26002-15 | L-26032-15 | L-26033-15 | L-26034-15 |
| L-26035-15 | L-26036-15 | L-26037-15 | L-26038-15 | L-26039-15 | L-26040-15 |
| L-26041-15 | RL-11082-15 | RL-11510-15 | RL-13001-15 | RL-13204-15 | RL-14112-15 |
| RL-14422-15 | RL-15327-15 | RL-16223-15 | RL-16292-15 | RL-16338-15 | RL-16610-15 |
| RL-17032-15 | RL-17149-15 | RL-17420-15 | RL-17521-15 | RL-17592-15 | RL-17594-15 |
| RL-17663-15 | RL-17700-15 | RL-17846-15 | RL-17925-15 | RL-17969-15 | RL-18341-15 |
| RL-18437-15 | RL-18458-15 | RL-18576-15 | RL-18677-15 | RL-18739-15 | RL-18768-15 |
| RL-19202-15 | RL-19428-15 | RL-19889-15 | RL-20153-15 | RL-20154-15 | RL-21514-15 |
| RL-22040-15 | RL-22194-15 | RL-22269-15 | RL-22855-15 | RL-23902-15 | RL-24220-15 |
| RL-24756-15 | RL-24770-15 | RL-25095-15 | RL-25211-15 | RL-25385-15 | |

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Table 3 (Cont.):

| O-540 Series | | | | | |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| L-21057-40E | RL-11653-40E | RL-12493-40E | RL-12719-40E | RL-20212-40E | RL-20667-40E |
| RL-24299-40E | RL-25162-40E | RL-25178-40E | RL-25771-40E | RL-25822-40E | RL-25915-40E |
| RL-26100-40E | | | | | |
| IO-540 Series | | | | | |
| L-13133-48E | L-18936-48E | L-20342-48E | L-26943-48E | L-28085-48E | L-30949-48E |
| L-33188-48E | L-33382-48E | L-33433-48E | L-33873-48E | L-34053-48E | L-34198-48E |
| L-34310-48E | L-34311-48E | L-34415-48E | L-38287-48E | L-38300-48E | L-38301-48E |
| L-38315-48E | L-38325-48E | L-38326-48E | L-38352-48E | L-38377-48E | L-38380-48E |
| L-38402-48E | L-38437-48E | L-38458-48E | L-38461-48E | L-38462-48E | L-38468-48E |
| L-38469-48E | L-38497-48E | L-38501-48E | L-38505-48E | L-38523-48E | L-38524-48E |
| L-38538-48E | L-38539-48E | L-38544-48E | L-38545-48E | L-38572-48E | L-38574-48E |
| L-38578-48E | L-38583-48E | L-38586-48E | L-38607-48E | L-38626-48E | L-38627-48E |
| L-38639-48E | L-38640-48E | L-38668-48E | L-38669-48E | L-38684-48E | L-38685-48E |
| L-38749-48E | L-38750-48E | L-38793-48E | L-38794-48E | L-38820-48E | L-38854-48E |
| L-38855-48E | L-38858-48E | L-38861-48E | L-38862-48E | L-38865-48E | L-38866-48E |
| L-38867-48E | L-38868-48E | L-38873-48E | L-38878-48E | L-38885-48E | L-38886-48E |
| L-38888-48E | L-38889-48E | L-38891-48E | L-38892-48E | L-38897-48E | L-38900-48E |
| L-38907-48E | L-38908-48E | L-38909-48E | L-38922-48E | L-38923-48E | L-38931-48E |
| L-38932-48E | L-38938-48E | L-38946-48E | L-38947-48E | L-38965-48E | L-38966-48E |
| L-38976-48E | L-38981-48E | L-38982-48E | L-38997-48E | L-38998-48E | L-39000-48E |
| L-39001-48E | L-39008-48E | L-39014-48E | L-39015-48E | L-39022-48E | L-39035-48E |
| L-39060-48E | L-39061-48E | L-39063-48E | L-39070-48E | L-39071-48E | L-39100-48E |
| L-39111-48E | L-39112-48E | L-39126-48E | L-39134-48E | L-39159-48E | L-39160-48E |
| L-39176-48E | L-39177-48E | L-39190-48E | L-39193-48E | L-39198-48E | L-39199-48E |
| L-39211-48E | L-39212-48E | L-39217-48E | L-39218-48E | L-39244-48E | L-39245-48E |
| L-39292-48E | RL-2779-48E | RL-9704-48E | RL-12392-48E | RL-15195-48E | RL-15401-48E |
| RL-15491-48E | RL-15518-48E | RL-15593-48E | RL-15697-48E | RL-19018-48E | RL-19132-48E |
| RL-19559-48E | RL-21851-48E | RL-21902-48E | RL-22449-48E | RL-24979-48E | RL-26496-48E |
| RL-26698-48E | RL-26808-48E | RL-26877-48E | RL-26958-48E | RL-27120-48E | RL-27847-48E |
| RL-27851-48E | RL-28088-48E | RL-28366-48E | RL-28756-48E | RL-29353-48E | RL-30637-48E |
| RL-32807-48E | RL-33002-48E | RL-33526-48E | RL-34246-48E | RL-35096-48E | RL-35167-48E |
| RL-35234-48E | RL-35803-48E | RL-35952-48E | RL-36012-48E | RL-36386-48E | RL-36395-48E |
| RL-36666-48E | RL-36699-48E | RL-37375-48E | | | |

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