

# Service Instruction # 1019-0003

**Subject: Six-Cylinder MTH Mag Holding Clips and Lycoming Gear Lash**

**Date: 12/18/2023**

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This service instruction supplements the EIS-61000 Series Installation Manual, document # IM EIS-61000 Revision 18 dated 12/14/2022. The purpose of this service instruction is to provide further instructions for the installation of six-cylinder Mag Timing Housings (MTH). Part numbers: EA-10000, EA-12000, EA-16000, EA-17000, EA-19000, and EA-25000.

## **IM EIS-61000 Revision 18: Mag Holding Clips**

Step 4 f states: “Install the MTH into the proper magneto hole. Secure the MTH using the mag holding clips referenced in step 2f and secure per engine manufacturer specifications.”

Step 5 i states: “Install the MTH into the proper magneto hole. Secure the MTH using the mag holding clips referenced in step 2f and secure per engine manufacturer specifications.”

Step 6 i states: “Install the MTH into the proper magneto hole. Secure the MTH using the mag holding clips referenced in step 2f and secure per engine manufacturer specifications.”

Step 7 i states: “Secure the MTH using the mag holding clips referenced in step 2f and secure per engine manufacturer specifications.”

The mag holding clips referenced in these steps must be the Slick Style Clips: part number K3328 or K3784. Other mag holding clips may not secure the MTH correctly.



**Figure 1: Mag Holding Clips p/n: K3328**

## **For Lycoming Engine Installations: Gear Lash Inspection**

For Lycoming Engines: Inspect for gear lash. According to Lycoming Overhaul Manual for Direct Drive Engine, Part No. 60294-7, Backlash Clearance between gear teeth should be 0.004”-0.015” with Service maximum of 0.020” (page 1-28, #805). If out of tolerance, fix the issue or use Crankshaft Trigger Wheel (CSTW, part number EA-9000 or EA-9100) instead of MTH. Contact Electroair for obtaining parts.