

# SLICK

# Service Bulletin

**SB1-07**

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**TO:** Distributors, Dealers, Engine Overhaul Facilities, Owners and Operators of Unison Ignition Systems.

**SUBJECT:** Inspection of magneto driver P/N K5265 and clarification of torque requirements.

**BACKGROUND**

**INFORMATION:** Based on reports from the field of impulse coupling cracking, this service bulletin provides guidance on correct torque requirements.

**COMPLIANCE:** The magneto driver associated with the magnetos listed in MAGNETO MODELS AFFECTED should be removed, inspected, and reinstalled during the next 50 hours, or at next annual inspection, whichever occurs first. All magnetos covered by L-1363 (4300/6300 Series Magneto Maintenance and Overhaul Manual) and L-1037 (4200/6200 Series Magneto Maintenance and Overhaul Manual) should follow the revised torque requirements in this service bulletin.

**PROOF OF**

**COMPLIANCE:** Logbook entry documenting magneto inspection.

**PARTS REQUIRED**

**PER BULLETIN:** None.

**TOOLS REQUIRED**

**PER BULLETIN:** Standard shop tools including calibrated torque wrench.

**WEIGHT CHANGE:** None.

**MAGNETO MODELS**

**AFFECTED:** 4309 and 4310 magnetos installed on Continental IO-240 series engines.

**REQUIRED**

**SERVICE**

**LITERATURE:** Refer to the following literature when performing installation, maintenance and overhaul:

Slick Master Service Manual F-1100

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- DETAILED INSTRUCTIONS: 1. Remove cotter pin, castellated nut, washer, and M5265 magneto driver from magneto and hub (see Figure One). This driver may require the use of a puller for removal.

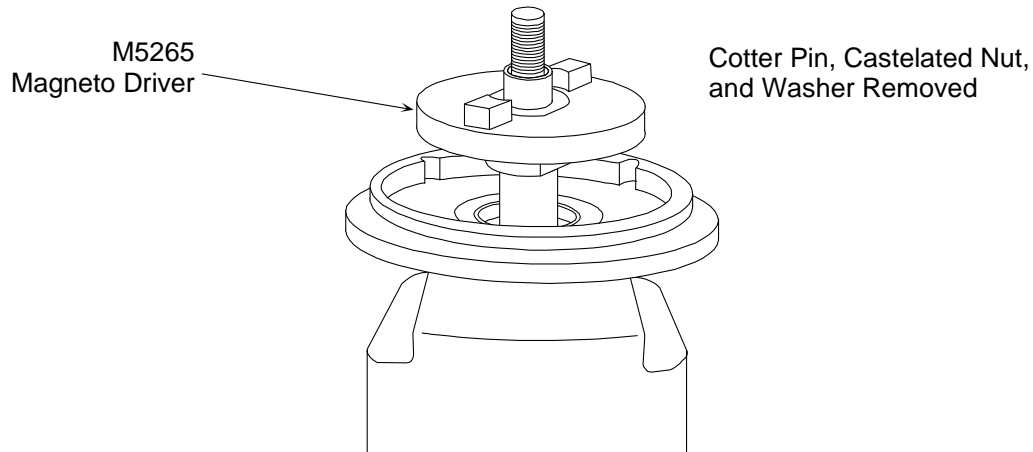


Figure One

2. Visually inspect the M5269 magneto driver hub for any signs of cracking on the flat surfaces. See Figure Two.

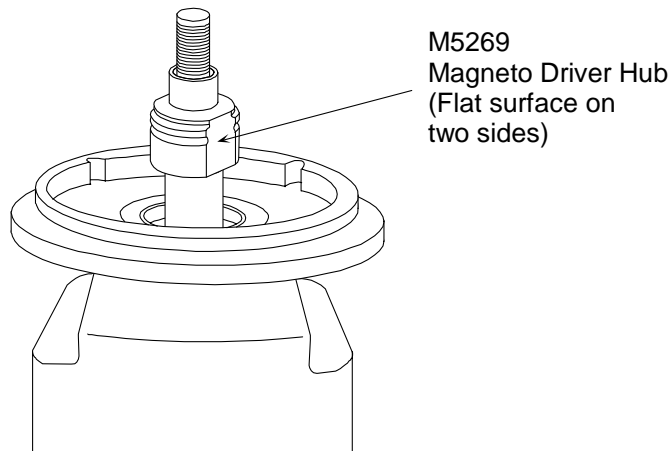


Figure Two

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- If any signs of cracking are present, remove the M5269 hub from the magneto shaft using only the Unison T106 hub puller as shown in Figure 3. Replace entire assembly using K5265 magneto driver kit.

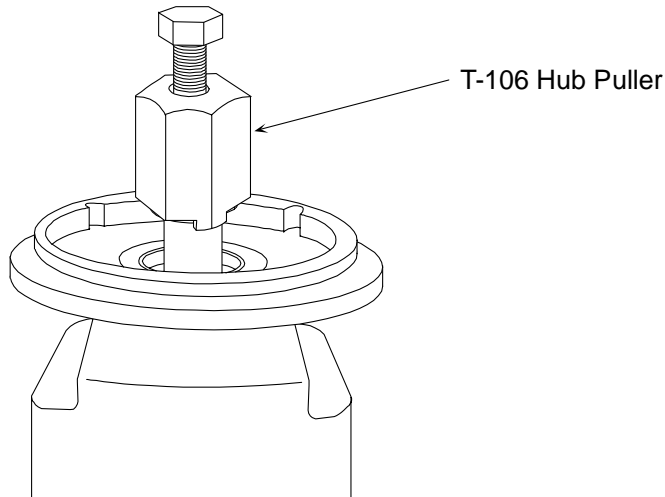


Figure Three

- Re-install magneto driver on magneto shaft.
- Install washer M-5372 and nut M-3019. Torque castellated nut to 120 in. lb. (138†kg.†cm.), (13.5 mm) minimum.
- If necessary, tighten nut further to align nut slot with cotter pin hole in shaft. Do not exceed 180 in. lb. (207 kg. cm), (20.3 nm).

**NOTE:** If cotter pin will not align with pin hole with the specified torque range, remove nut and lightly lap the bottom surface of the nut with emery cloth.

- Install new cotter pin, p/n M2556, per instructions.

**DOCUMENTATION:** Make all appropriate logbook entries.

**WARRANTY:** Void if prescribed maintenance schedules are not followed.

THIS SERVICE BULLETIN IS A SUPPLEMENT TO SLICK MAINTENANCE AND OVERHAUL MANUAL L-1363. CHECK WITH SLICK TO BE SURE YOU HAVE THE MOST CURRENT REVISION OF SLICK MANUAL L-1363 AND PERTINENT SERVICE LETTERS AND BULLETINS BEFORE PERFORMING MAINTENANCE OR OVERHAUL.

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