



FORM L-1329C
K-3303 PRESSURIZED MAGNETO SEAL KIT
INSTALLATION INSTRUCTIONS

PLEASE READ CAREFULLY PRIOR TO INSTALLING

To aid in product maintenance and overhaul, you should obtain the latest revision of the following service literature.

Slick Master Service Manual	F-1100
4200/6200 Maintenance Overhaul Manual	L-1037
Magneto Maintenance Schedule	SB2-80

The Slick Master Service Manual F-1100 is available on a one-year subscription basis and includes Manual L-1037 and Service Bulletin SB2-80. **CHECK WITH CHAMPION AEROSPACE TO BE SURE THAT YOU HAVE THE MOST CURRENT REVISIONS OF SLICK MANUAL L-1037 AND PERTINENT SERVICE BULLETINS AND SERVICE LETTERS BEFORE PERFORMING MAINTENANCE OR OVERHAUL.**

WHEN SERVICING SLICK PRESSURIZED MAGNETOS, HARDWARE, SEALS, AND GASKETS SHOULD NOT BE REUSED AND MUST BE DISCARDED.

KIT CONTENTS:

M-3176 Housing Gasket (1)	M-3184 O-Ring Harness (1)
M-3871 Housing Screw (3)	M-3924 Housing Screw (1)
L-1329 Instructions	

1. Remove the three (3) M-1553 screws that fasten the harness cap to the magneto. Save the screws for reinstallation in step #14.
2. Remove the harness cap from magneto.
3. Remove the four (4) housing screws, "O" ring assemblies, and washers. See Figure 1. Discard these parts.

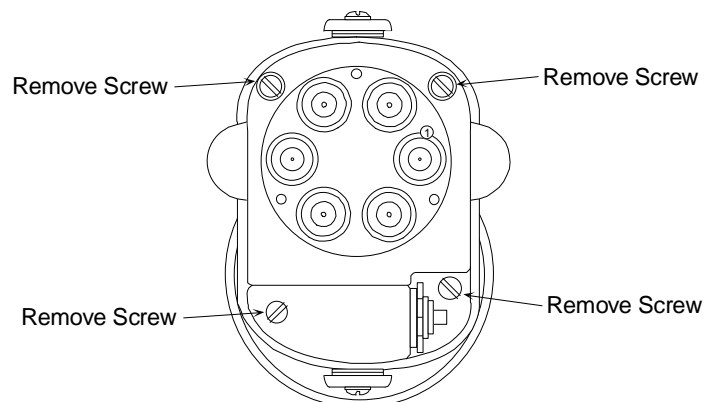


Figure 1

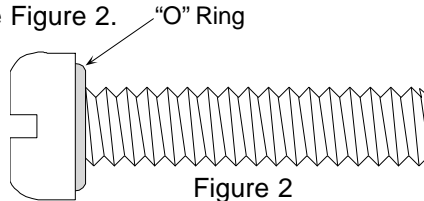
4. Remove distributor housing from magneto frame, disconnecting condenser wire from primary point assembly and retard wire from secondary point assembly (if so equipped).

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5. Remove gasket from distributor housing. Remove completely.

NOTE: Remove any remaining adhesive from distributor housing using M.E.K. or suitable solvent. Do not use any tool to scrape adhesive that may damage surface and not allow a proper pressure seal later.
6. Remove O-ring from harness cap. Remove completely.

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7. Inspect orifice vent per Slick Manual L-1037, Section 3.2.8. If necessary, remove obstruction with .025 drill.
8. Hold new gasket onto distributor housing and reconnect condenser wire to primary point assembly as shown in Slick Manual L-1037, Section 7.15. Reconnect retard wire to secondary point assembly (if so equipped).
9. Align rotor gear per Slick Manual L-1037, Section 7.16.
10. Align distributor gear per Slick Manual L-1037, Section 7.17.
11. Attach distributor housing to the magneto frame per Slick Manual L-1037, Section 7.18 making sure the distributor housing bosses align to the mating pilot of the gasket and the magneto frame.
12. Before assembly, inspect three (3) long screws and one (1) short screw to insure "O" ring is in place under screw head. See Figure 2.



13. Secure the distributor housing with the three (3) M-3871 screws and the one (1) M-3924 screw. The use of Felpro sealant in screw holes has been discontinued. **DO NOT PLACE FELPRO, PRO LOCK BROWN HYDRAULIC SEALANT NO. 51452 INTO SCREW HOLES AS INSTRUCTED IN SLICK MANUAL L-1037, SECTION 7.19.** Screws should be installed in the following manner:
 - Snug all four (4) screws to approximately 10 in.-lbs.
 - Using an "X" pattern, torque all four (4) screws to 15 in.-lbs.
 - Finally, using an "X" pattern, torque all four (4) screws to 24 in.-lbs.
14. Install O-ring in groove in harness cap.
15. Pressure test the magneto per Slick Manual L-1037, Section 8.8. Torque specification for the screws shall be 21 - 25 in.-lbs.
16. Reinstall harness cap. Tighten mounting cap screws to 18 - 28 in.-lbs.
17. Reinstall any tie wraps that were removed.

CAUTION: CARE MUST BE TAKEN NOT TO OVERTIGHTEN HARNESS TIE WRAPS. OVERTIGHTENING TIE WRAPS CAN CRUSH LEAD WIRES.

Champion Aerospace LLC
1230 Old Norris Road
Liberty, South Carolina, U.S.A. 29657
<http://www.championaerospace.com>