



AEROSPACE™

## CHAMPION AEROSPACE DISTRIBUTORS

October 13, 2023

### AVIATION IMPULSE COUPLED MAGNETOS

#### Proper Lubrication of Magneto Impulse Couplings Prior to Installation

Aviation Magneto Impulse Couplings are manufactured to precise standards as to dimensions and hardness. When properly installed on the magneto they also determine the effective lag angle for starting purposes.

For new Impulse Coupled Magnetos (both four and six cylinder) or new replacement Impulse Couplings ensure that the impulse coupling is liberally lubricated, with aircraft engine oil, prior to installation. Please follow the L-1363 Magneto Maintenance & Overhaul Manual, Section 3.3.4 paragraph "C" for detailed instructions. See illustrations below.

For inspection and reinstallation of Impulse Couplings on Magnetos (both four and six cylinder) ensure that the impulse coupling is liberally lubricated, with aircraft engine oil, prior to reinstallation. Please follow the L-1363 Magneto Maintenance & Overhaul Manual, Section 6.1 for detailed instructions on the removal of the coupling from the magneto. Then follow Section 3.3.4 for detailed instructions on the inspection and reassembly of the impulse coupling. See illustrations below.

To avoid costly repairs and unnecessary down time – **ALWAYS** liberally lubricate, with aircraft engine oil, the impulse coupling prior to assembly. Failure to do so may cause the impulse coupling to function incorrectly during starting, potentially causing damage to engine.

If you have any questions please contact Alan Woods ([alanwoods@champaero.com](mailto:alanwoods@champaero.com)).



(Lubrication of the Pawls)



(Lubrication of the I/C Spring)



(Lubrication of the Hub)

SPARK ✶ IGNITE ✶ EXCITE

1230 Old Norris Rd • Liberty, SC • 29657