



Aviation Technical Bulletin

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Bringing Power to Flight

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TURBINE IGNITION LEADS

HANDLE WITH CARE

THE PROPER INSTALLATION AND REMOVAL OF IGNITION LEADS IS IMPORTANT TO THE LONG-TERM LIFE AND COUPLING ABILITY OF THE CABLE.

NEVER INSTALL OR REMOVE A LEAD BY HOLDING THE CABLE AND NUT RIGID WHILE ROTATING THE IGNITER OR EXCITER. THIS ACTION WILL RESULT IN A TWISTING OF THE INNER CONDUCTOR UNTIL THE INSULATION IS SEPARATED. THIS TYPE OF SEPARATION WILL RESULT IN A DIELECTRIC FAILURE.

THE USE OF A PETROLATUM PRODUCT (GREASE, ETC.) TO REDUCE CONTACT STICKING IS NOT RECOMMENDED, AS IT WILL FURTHER DETERIORATE THE SILICONE WIRE INSULATION, RESULTING IN REDUCED STRENGTH AND LIFE OF THE INSULATING MATERIAL. WE SUGGEST THE FOLLOWING PROCEDURE FOR LEAD REMOVAL/INSTALLATION.

REMOVAL: ALWAYS DISCONNECT THE LEAD FROM THE IGNITER FIRST, USING CAUTION TO PREVENT TWISTING OF THE LEAD ASSEMBLY. REMOVE LEAD CONNECTOR FROM IGNITER OR EXCITER IN A STRAIGHT LINE, AVOIDING ANY SIDELOAD PRESSURE ON CERAMIC IGNITER COMPONENTS.

INSTALLATION: INSTALL IGNITER AND/OR EXCITER FIRST. NEVER INSTALL IGNITER ON A LEAD BY HOLDING THE CABLE RIGID WHILE ROTATING THE IGNITER. INSTALL LEAD CONNECTIONS IN A STRAIGHT LINE.

WLA:ct

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