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INSTRUCTION: TN02636
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APPROVAL: _____

TT02636 AND TAS104, THREADED HEAT ELEMENT INSTALLATION INSTRUCTIONS



Figure 1 (TT02636 shown)

General overview:

The TT02636 and TAS104, threaded heat elements are sub components of Tanis preheat systems designed to replace a stud or cap screw that secures the intake tube to the cylinder head on Continental and Lycoming engines.

These threaded heat elements can be used for the replacement of .25-20 studs and bolts that have a torque requirement of up to 110 inch pounds. This element is intended for tension installations only. Contact Tanis Aircraft for other limitations.

Element description:

Elements are the same configuration with the only difference being the lead termination.

TT02636 uses an environmentally sealed contact connector.

TAS104 uses spade connectors.

Both elements use a 50 watt element housed in a 7/16" steel hex rod, zinc plated with a 1.25" x .25-20 UNC-2A threaded shank. Available in 115, and 230 volt versions.

Installation:

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1. Remove the bolt or stud intended for replacement.
2. Following engine manufacturer's installation procedures for bolt installation,
 - a. On Lycoming install one TT02636 threaded heat element with:
 - A flat washer on Lycoming engines.
 - Two aluminum spacer washers on Continental engines. See Figure 2.
 - b. Torque to OEM specifications for location of installation.

Note:

- When handling the element do not flex the leads unnecessarily, damage may result to the wiring where the leads enter the element.
- When installed in a blind-hole check to see it does not bottom out.
- When installed in a through-hole check to see that the element does not extend beyond the hole.
- Proper installation will allow the wrench flats and threaded shank to be in full contact with accessory once installed.



Figure 2

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