



1625 Lost Nation Road, Willoughby, Ohio 44094
440.951.4744 Voice 440.951.4725 Fax

Service Bulletin

SUBJECT:

Thermawing Kit Modifications

Introduction:

This service bulletin is being issued to upgrade the current Thermawing installations to the latest revision level. All effected parts should be replaced with the latest revision level parts included with this service bulletin. The parts installed prior to this service bulletin being issued will not affect the aircrafts safety or performance. The revisions are being issued strictly to increase the systems reliability.

Items being affected:

- DI-00079 Deice Controller
- AL-00047 Alternator Bracket
 - (Alternator mount bolt and shimming washers are included)
- AL-00028-A Alternator Drive Pulley
- NC71200-1 Alternator
- AL-00029-C pulley will be included on the Alternator assembly
- AL-00025 Belt cutter

Deice Controller is being replaced to incorporate the latest firmware package.

Alternator bracket has been redesigned to allow for more flexibility and better alternator pulley alignment. The bracket was also redesigned for easier and more accurate manufacturing of the part; this will improve the reliability and longevity of the part. The belt cutter was updated to accommodate this change.

Alternator Drive Pulley was modified to improve belt ware and alignment. The new design also provides for more flexibility in pulley alignment.

Alternator is being upgraded to improve reliability and to incorporate the latest manufacturing techniques.

COMPLIANCE:

Upon Receipt of Bulletin

EFFECTIVITY:

41058, 41087, 42071, 41504, 41039, 41514, 41533, 41105, 41044, 41532, 41060, 42083, 41097, 41025, 41525, 41083, 42037, 41062, 41028, 41036, 41055, 41004, 41043 and all other Thermawing kits received before service Bulletin date. The remainder will be addressed by the next kit revision level and installation manual.

PROCEDURE:

Replace current Drive pulley (section 8.1), Alternator Pulley(section 8.1), Rear Alternator Mount Bracket(section 8.1), controller(section 9.0), and alternator(section 8.2) per Installation Manual. For the latest installation manual visit www.airplanedeice.com

MATERIAL REQUIRED:

Thermawing installation tools

PARTS AVAILABILITY:

No additional parts are required

DISPOSITION OF INVENTORY:

All alternators and controllers that are replaced should be shipped back to the address below. An RMA will be issued for the aircraft that receives replacement parts. When the parts are received by Kelly Aerospace the account will be credited the full amount.

Kelly Aerospace Thermal Systems
1625 Lost Nation Road
Willoughby, OH 44094

CONTACT INFORMATION:

If you have any questions concerning the instructions in this service bulletin, please contact Kelly Aerospace Thermal Systems at 440-951-4744