INCREMENTAL CHANGE Release Notification Date: 07/31/2023

SPM 70-00-99 S0001 - CONSUMABLE MATERIALS - 50:50 NITRIC ACID STRIPPING SOLUTION

DISCLAIMER

The Incremental Changes published by GE Aviation are considered Instructions for Continued Airworthiness. These Incremental Changes, along with the current Manual revision and published Temporary Revisions, constitute the latest Instructions for Continued Airworthiness.

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HIGHLIGHTS

HIGHLIGHT REFERENCE	DESCRIPTION OF CHANGE
tk70-00-99-800-001	Technical Change: Added reference to commercial products recommended for de-smutting.

TASK 70-00-99-800-001

1. Composition
   - A. The following commercial products are recommended for the removal of silver and copper-nickel-indium thermal spray coating. This process is satisfactory for use on A286, Inco 718, and titanium parts.
   - B. The following commercial products are also recommended for de-smutting purpose in TASK 70-23-15-110-030, Stripping Anodized Coating from Aluminum. The process is satisfactory for use on aluminum parts. The process must be applied in a separate tank for this purpose only.

Description	Consumable No.	Concentration (Initial Mix)
Nitric acid, 67 to 70 wt %	C04-072	50% v/v

NOTE: If a different concentration is used, the volume must be adjusted to obtain the same weight of acid per unit volume.

2. Preparation

Subtask 70-00-99-809-051

WARNING: NITRIC ACID IS TOXIC. DO NOT LET THIS MATERIAL TOUCH YOU. USE PERSONAL PROTECTION EQUIPMENT. USE VAPOR/FUME CONTROL OR A RESPIRATOR.

WARNING: OPERATOR SHOULD WEAR FACE SHIELD, GLOVES, PROTECTIVE CLOTHING, AND PROTECTIVE SHOES.

WARNING: DO NOT POUR WATER INTO CONCENTRATED ACID. THE HEAT OF THE REACTION WILL CAUSE BOILING AND SPATTERING.

- A. Add the required volume of water to the tank.
- B. Add the nitric acid C04-072 slowly and carefully while stirring the solution to mix.
- C. Allow the solution to cool to the operating temperature.

3. Regeneration

Subtask 70-00-99-809-052

A. Replace the solution when it loses its effectiveness.

NOTE: Additions of nitric acid are not recommended. Stripping time will increase and dissolved solids will build up with extended use. Replace the solution when this occurs.

B. When used for stripping silver, the solution will have dissolved a significant quantity of metal by the time it is exhausted. Reclaim the silver before disposing of the solution.