



TASK 70-21-23-110-053

CLEANING METHOD NO. 23 HAND-WIPE DEGREASING

1. General.

- A. This procedure is for general hand-wipe cleaning of metallic parts, both titanium and non-titanium hardware. For hand-wipe cleaning of composite materials, refer to procedure TASK 70-46-01-350-030, Masking and Cleaning of Epoxy and Polyester Matrix Thermosetting Composite Materials.
- B. This procedure may be used as an alternate to TASK 70-21-01-110-001, Cleaning Method No. 1 - Solvent Degreasing, or TASK 70-21-22-110-042, Cleaning Method No. 22 - Light Duty Aqueous Cleaning, whenever localized hand-wipe cleaning would be an effective alternative to cleaning the entire part by one of the other methods.
- C. Cleaners should be applied to the wipe cloths from dispensers that prevent contamination of the working fluid.
- D. Some cleaners will require post-rinsing with water and others are very slow to dry. These conditions must be considered when using these products before Fluorescent Penetrant Inspection (FPI). Process known defect standards or parts with the selected cleaner if used prior to FPI to ensure that the process capability is maintained.

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2. Equipment.

- A. Proper Personal Protection Equipment shall be used and shall include, but not be limited to, protective gloves and eye wear. Specific equipment for safe handling will be described in the manufacturer's Material Safety Data Sheet for the specific cleaner.
- B. Hand-wipe cleaning shall be performed in an area with proper ventilation.
- C. Various types of bristle brushes for part configuration or cleaning pads C10-010 may be used in addition to the wiping cloths C10-182, clean, white, lint-free cotton cloths, or unsized cheesecloth.

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3. Materials.

NOTE: The following materials are required for the application of this process.

Solvents for Wipe Procedure - Table 1

Consumable Product	No.
Methyl-Ethyl-Ketone	C04-001
Stoddard	C04-002
Acetone	C04-003
Isopropyl Alcohol	C04-035
50/50 Toluene/Isopropyl Alcohol	C04-036/C04-035
Ardrox 1064-K	C04-160
Methyl-Propyl-Ketone	C04-196
MagChem Teksol	C04-197
Positron	C04-198
Selig CE-SX-94, GB-SX-94, L-SX-94	C04-199
Monsanto SkyKleen 1000 Aviation Solvent	C04-200
Turco 4460-BK	C04-201
Turco 6869	C04-202
Bioact 105 Precision Cleaner	C04-251
Supersolve AS	C04-256
MagChem Skysol	C04-260
Novec HFE-7100	C04-261
Vertrel XF	C04-262



Aqueous Cleaners for Spray or Wipe Procedure - Table 2

Consumable Product	No.	Concentration	Rinse Required?
Gas Path Cleaner Type IIA	C04-140	As Received	Yes
Gas Path Cleaner Type II	C04-140	20%	Yes
Turco 6780	C04-203	Full Strength	No
Ardrox Aviaclenz 6077 Window Cleaner Plus	C04-204	Full Strength	No
MagChem Evasol	C04-205	Full Strength	No
Nuvite Nu-Gear-Sc	C04-206	20-25 v/v	Yes
Bio-T-Max	C04-207	Full Strength	Yes

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4. Procedure.

- A. Wipe the part with cloth saturated with one of the cleaners identified in Table 1. When using cleaners identified in Table 2, spray or wipe application may be used.

NOTE: Various types of bristle brushes suitable for the part configuration or cleaner pads C10-010 may be used in addition to the wiping cloths to enhance the cleaning process. When using brushes or cleaning pads, a final wipe of the part surface should be performed with a cloth C10-182 saturated with the cleaner being used.

- B. Flush the part completely with clean water when indicated in Table 2.
- C. Dry the part with one of the cloths specified Subtask 70-21-23-110-531, Equipment.
- D. Blow dry with clean, dry air.



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5. Quality Assurance.

- A. Visually check the part for cleanliness.
- B. Repeat the process if necessary.