

**NAVAIR 01-1A-509-5  
TM 1-1500-344-23-5  
TO 1-1-689-5**

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TECHNICAL MANUAL

<b>CURRENT SUPPLEMENTS</b>
1-1-689-5C

# **CLEANING AND CORROSION CONTROL**

## **VOLUME V CONSUMABLE MATERIALS AND EQUIPMENT FOR AVIONICS**

BASIC AND ALL CHANGES AND SUPPLEMENTS HAVE BEEN  
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Includes IRAC 1.

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## CHAPTER 1 INTRODUCTION

This volume was prepared under the technical cognizance of the  
Materials Engineering Division, NAVAIR North Island, San Diego, California.

**1-1. GENERAL.** Consumable materials and equipment listed in this volume shall be used for corrosion control. Materials and equipment have been approved only after extensive testing to prove their ability to perform properly and effectively without damaging any of the metallic or nonmetallic materials used in avionics. Only those materials listed in this manual shall be used for cleaning or corrosion control of avionic components. Materials listed in other manuals shall be used only when required procedures are not covered by this manual. When approved materials are not available, substitutions shall only be made by the appropriate Aircraft Controlling Custodians (ACC) or System Program Manager (SPM).

**1-2. PURPOSE.** The purpose of this manual is to provide ordering information for consumable materials and equipment used to prevent, control, and repair corrosion damage to avionics.

**1-3. SCOPE.** The material in this manual contains basic corrosion prevention and corrective maintenance information to be used at Organizational, Intermediate, and Depot levels.

### **1-4. ARRANGEMENT OF MANUAL.**

1-4-1. A complete set of manuals to perform avionics and electronics cleaning and corrosion control functions consists of Volumes I, III, and V.

1-4.2. Arrangement of Volume V. Volume V consists of four chapters, arranged as shown in Table 1-1.

**1-5. RELATED PUBLICATIONS.** None.

Table 1-1. Outline of Volume V

CHAPTER	TITLE	BRIEF DESCRIPTION
1	Introduction	This chapter presents the scope and layout of this volume.
2	Consumable Materials for Corrosion Control	This chapter provides information on the approved materials for cleaning, corrosion prevention, and corrosion control for avionics.
3	Equipment for Corrosion Control	This chapter provides information on approved equipment used for cleaning, corrosion prevention, and corrosion control for avionics.
4	Special Avionic Equipment	This chapter lists the requirements for special cleaning equipment used in an avionic corrosion control work center.

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## CHAPTER 2 CONSUMABLE MATERIALS FOR CORROSION CONTROL

**2-1. INTRODUCTION.** The materials referenced in this chapter are approved for use, but approval should not be misconstrued as an endorsement of any manufacturer's product(s). If approved materials for an application/procedure are not available, contact your service representative for approved substitutes: Air Force Corrosion Prevention and Control Office, AFRL/MLS-OLR, Robins AFB, GA (Air Force), NAVAIR North Island (Code 434), San Diego, CA (Navy), or the AMCOM Corrosion Program Office, U.S. Army Aviation Systems Command, Redstone Arsenal, Huntsville, AL (Army). [See SUPP C](#)

**2-2. ARRANGEMENT OF CHAPTER.** Chapter 2 lists consumable materials used for avionics cleaning and corrosion control.

2-2.1. Materials are grouped by function in the following tables:

- a. Table 2-1. Abrasives.
- b. Table 2-2. Chemical Conversion Coating Materials.
- c. Table 2-3. Cleaning Compounds.
- d. Table 2-4. Cleaning Supplies.
- e. Table 2-5. Corrosion Preventive Compounds.
- f. Table 2-6. Encapsulants.
- g. Table 2-7. Lubricants.
- h. Table 2-8. Neutralizing Agents.
- i. Table 2-9. Packaging/Protective Materials.
- j. Table 2-10. Paint Removers.
- k. Table 2-11. Paint Thinners.
- l. Table 2-12. Paints - Primers.
- m. Table 2-13. Paints - Topcoats.
- n. Table 2-14. Sealants.
- o. Table 2-15. Solvents.
- p. Table 2-16. Tags/Forms.
- q. Table 2-17. Tapes.
- r. Table 2-18. Tracers/Indicators.

2-2.2. A description of the column headings and contents is given below.

- a. Nomenclature: the name of the material.

- b. Specification/Part Number: the military or industry specification and/or the commercial part number.

- c. National Stock Number: the national stock number of the material to be ordered.

- d. Unit of Issue: the type/size of the material container. Unit of issue abbreviations are shown below. Only the most commonly used sizes are listed. Other sizes may be available.

CODE	UNIT	CODE	UNIT	CODE	UNIT
BD	Bundle	DZ	Dozen	OZ	Ounce
BG	Bag	EA	Each	PG	Package
BO	Bolt	FT	Foot	PR	Pair
BT	Bottle	GL	Gallon	PT	Pint
BX	Box	GR	Gross	QT	Quart
CA	Cartridge	HD	Hundred	RO	Roll
CB	Carboy	JR	Jar	SE	Set
CN	Can	KT	Kit	SH	Sheet
CO	Container	LB	Pound	TU	Tube
CS	Case	LG	Length	YD	Yard
DR	Drum	MX	Thousand	----	----

- e. Intended Use: a short description of what the material is used for.

[See SUPP C](#)

**2-3. QUALIFIED PRODUCTS LIST.** The Qualified Products list (QPL) is a listing of products that have met the requirements stated in the material specification. For material specifications with an associated QPL, only qualified products shall be used. QPLs can be viewed in the Qualified Products Database section of the ASSIST website, <http://assist.daps.dla.mil>.

**2-4. CONTAINER SIZE.** Consumable materials of a particular specification are provided in various size containers. If the particular size container required is not available or listed, ask the supply department to provide the next size container under the same specification.

**2-5. LOCAL PURCHASE.** When open purchase is specified, include all procurement information, source of supply, and GSA contract number if available.

**2-6. LOCAL REGULATIONS.** Prior to the procurement/use of any specified products, comply with all local safety and environmental requirements, laws, and regulations.

## See SUPP C Table 2-1. Abrasives

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use
Abrasive Cloth, Aluminum Oxide, Non-Waterproof	ANSI B74.18 (supercedes A-A-1048) 240 Grit (9" x 11" sheets) 240 Grit (3"x 150' roll) 320 Grit (9"x 11" sheets) 320 Grit (2"x 150' roll) 320 Grit (3"x 150' roll)	5350-00-161-9715 5350-00-229-3080 5350-00-246-0330 5350-00-187-6289 5350-00-229-3092	PG (50 SH) BX (10 EA) PG (50 SH) BX (10 EA) BX (10 EA)	Removal of light to moderate corrosive products from steel, iron, aluminum and magnesium structures, mountings, racks, chassis, covers; scuff sanding of avionic boxes prior to painting. <b>CAUTION</b> Do not substitute Silicon Carbide Abrasive Cloth.
Abrasive Cloth, Aluminum Oxide, Waterproof (9" x 11" sheets)	ANSI B74.18 (supersedes A-A-1048) 320 Grit	5350-00-597-5798	PG (25 EA)	Wet or dry sanding of light to moderate corrosion products.
Abrasive Mat Aluminum Oxide, Non-woven, Non-metallic	A-A-58054 Type I Class 1 Grade A (Very Fine) Grade B (Fine) Grade C (Medium)	5350-00-967-5089 5350-00-967-5093 5350-00-967-5092	PG (10 SH) PG (10 SH) PG (10 SH)	Aluminum oxide impregnated nylon webbing used for removal of dirt and corrosive products from external avionic chassis, covers, mountings, hardware, antennas, electrical connector shells.
Abrasive Paper, Aluminum Oxide, Screen-Type (Brown)	830-DMS240HV 830-DMS320HV 860-DMS240HV 860-DMS320HV 834-DMS240HV 834-DMS320HV 837-DMS240HV 837-DMS320HV	5345-01-521-4926 5345-01-521-6602 5345-01-521-4548 5345-01-521-4541 5345-01-521-4536 5345-01-521-4537 5345-01-533-0175 5345-01-521-4929	PK (250) PK (250) PK (250) PK (250) PK (250) PK (250) PK (250) PK (250)	Use with Clayton Sanders (refer to Table 3-2) 240 grit abrasive disks for 3" sander. 320 grit abrasive disks for 3" sander. 240 grit abrasive disks for 6" sander. 320 grit abrasive disks for 6" sander. 240 grit abrasive sheets for 3" x 4" sander. 320 grit abrasive sheets for 3" x 4" sander. 240 grit abrasive sheets for 3 2/3" x 7" sander. 320 grit abrasive sheets for 3 2/3" x 7" sander.
Eraser	A-A-132 2.75" x 0.25" x 0.875" 2.625" x 0.75" x 0.875" Pencil Shape	7510-00-223-7046 7510-00-323-8788 7510-00-582-3756	DZ DZ DZ	Removal of medium tarnish on silver. Removal of medium corrosion on copper, zinc, nickel. For brightening of gold. <b>CAUTION</b> Only to be used if component is sufficiently rigid to resist rubbing motion.
Glass Beads	SAE-AMS-2431/6 Size AGB-6 or MIL-G-9954 Size 13	5350-00-576-9634	BG (50 LB)	Use as abrasive in hand-held tool in Blast Cleaning Cabinet.
Radial Bristle Disc, 3" Diameter (Orange)	3M No. SPA	5345-01-493-2510	CS (40)	Light corrosion/paint removal and surface preparation on aluminum, titanium, and high-strength steel substrates. Use with Radial Bristle Disc Mandrel Assembly (see Table 3-2).
Radial Bristle Disc, 3" Diameter (Green)	3M No. 360	5345-01-493-2514	CS (40)	Heavy corrosion/paint removal and surface preparation on aluminum, titanium, and high-strength steel substrates. Use with Radial Bristle Disc Mandrel Assembly (see Table 3-2).

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See SUPP C Table 2-2. Chemical Conversion Coating Materials

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use
Chemical Conversion Coating for Aluminum and Its Alloys (non-ferricyanide catalyzed)	MIL-DTL-81706 Type I Form II (powder) Class 1A	8030-00-811-3723 8030-01-018-2838	BT (2 LB) CB (125 LB)	Non-ferricyanide conversion coating for the treatment of clean, bare aluminum to impart a chromate oxide coating.
	Class 3	8030-01-341-8609	LB	
Chemical Conversion Coating for Aluminum and Its Alloys	MIL-DTL-81706 Class 1A and 3 Form VI (Touch-N-Prep (TNP) Pen)	8030-01-460-0246	BX (12)	Clean and easy to use method for applying chemical conversion coating to aluminum. Ideal for touch up of small areas.
Chemical Conversion Coating for Aluminum and its Alloys (trivalent chrome)	MIL-DTL-81706 Type II Class 1A Form I (concentrated liquid)	8030-01-560-9120	CN (5 GL)	Type II coatings contain trivalent chrome and are for use in areas where hexavalent chrome is prohibited.
		8030-01-560-9109	CN (15 GL)	
		8030-01-560-9115	CN (55 GL)	
	Form VI (Touch-N-Prep (TNP) Pens)	8030-01-560-9113	BX (12 EA)	Engineering approval is required prior to substituting Type II coating for Type I coating.
	Class 3 Form I (concentrated liquid)	8030-01-560-9125 8030-01-560-9111 8030-01-560-9112	CN (5 GL) CN (15 GL) DR (55 GL)	
Form VI (Touch-N-Prep (TNP) Pens)	8030-01-560-9106	BX (12 EA)		
Chemical Conversion Coating for Magnesium and its Alloys	AMS-M-3171 Type VI	8030-01-512-2416	KT	Treatment of clean, bare magnesium.
Acid Swabbing Brush, Metal Handle (horsehair bristle)	A-A-289 (5 3/4" L x 3/8" W)	7920-00-514-2417	GR (144 EA)	Disposable brush for applying chemical conversion coatings and touching up paints.
Sponge Stick Moistener	A-A-137 (supercedes GG-M-571)	7520-00-241-2981	EA	Application of chemical conversion coating materials.

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**See SUPP C** Table 2-3. Cleaning Compounds

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use
Detergent, General Purpose (Liquid, nonionic)	MIL-D-16791 Type I	7930-00-282-9699 7930-00-985-6911 7930-00-282-9700	GL CN (5 GL) DR (55 GL)	For cleaning and polishing transparent plastic and glass. Note: Mix 1 oz per gal water. Apply with cloth, cotton flannel, A-A-50129. When dry, wipe with dry flannel cloth. Also used as a detergent in the Aqueous Ultrasonic Cleaner and Aqueous Spray Cleaning Booth.
Cleaning Compound, Aircraft Exterior	MIL-PRF-85570 Type II	6850-01-239-0571 6850-01-235-0872 6850-01-248-9828 6850-01-236-0128	GL CN (5 GL) DR (15 GL) DR (55 GL)	General cleaning. For removal of soil and fire extinguishing chemicals. Excellent cleaner for light oils and hydraulic fluids. It can be used in areas of reduced ventilation.
Aircraft Cleaning Compound (Air Force Only)	MIL-PRF-87937 Type II (for light to medium soils)  Type IV (for heavy soils)	6850-01-429-2371 6850-01-339-5227 6850-01-390-7827  6850-01-429-2371 6850-01-433-0873 6850-01-429-2368 6850-01-461-0060 6850-01-461-0070	DR (55 GL) CN (5 GL) GL  DR (55 GL) CN (5 GL) GL BX (12, 24 OZ spray bottle) BX (12, 16 OZ aerosol)	General cleaning. For removal of soil and fire extinguishing chemicals. Both types are concentrates and must be diluted with water prior to use.
Cleaning and Cleaning-Lubricating Compounds, Electrical Contact	MIL-PRF-29608 Type I Class L Class C  Type II Class L Class C	6850-01-394-9514 6850-01-412-5579  6850-01-453-5703 6850-01-453-5690	BX (12 EA) BX (12 EA)  CN (12 OZ) CN (12 OZ)	Used for the cleaning of electrical contacts and switches. It is intended for the removal of aircraft avionics soils, salt, dielectric fluid and hydraulic fluid. Class C is used for cleaning electrical contacts.

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Table 2-4. Cleaning Supplies

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use
Cloth, Lint-Free, Flushing and Cleaning	MIL-DTL-24671 Type I (No Lanyard) Class A (20" x 20")  Class B (20" x 30")  Class C (6" x 6")  Type II (With Lanyard) Class A (20" x 20")  Class B (20" x 30")  Class C (6" x 6") (12" x 13")	7920-01-335-5068 7920-01-498-8072 7920-01-335-5069 7920-01-498-8068 7920-01-498-8082  7920-01-335-5070 7920-01-498-8060 7920-01-336-3470 7920-01-498-8076 7920-01-498-8074 7920-01-498-8080	PG (100 EA) PG (100 EA) PG (100 EA) PG (100 EA) PG (100 EA)  PG (100 EA) PG (100 EA) PG (100 EA) PG (100 EA) PG (100 EA)	Cleaning of avionic and electronic equipment when lint cannot be tolerated.
Cloth, Cleaning, Low Lint	A-A-59323 Type I Type II	7920-00-165-7195 7920-00-044-9281	BX (10 LB) BX (10 LB)	Very low lint, relatively low absorbency, good wet strength, intended for wash and reuse. For use on critical surfaces where low contamination levels are required. Type I preferred for clean room applications. <b>CAUTION</b> Not to be used with solvents having a flash point of <100° F (38° C); may result in fire.
Cloth, Cheesecloth, Cotton	CCC-C-440 (supersedes A-A-1491) Type I  Type II	8305-00-262-3321  8305-00-205-3495 8305-00-205-3496	BO (36" X 50 YD)  BO (36" X 100 YD) PG (36" X 10 YD)	Moderate lint, high absorbency, and disposable. For general cleaning on external surfaces of avionic equipment. For use as tackrag and final wipe prior to painting.
Cloth, Flannel, Lightweight	A-A-50129	8305-00-913-5817	BO (50 YD)	High lint, high absorbency, high wet strength, reusable after washing, and disposable. For use on cockpit indicator glass covers, plastic and acrylic control panels.
Cleaning and Polishing Pad, Non-metallic	A-A-3100 Type I	7920-00-151-6120	PG (10 SH)	Avionic washing pad used for removal of dirt and contaminants from internal avionic structures, laminated circuit boards, waveguides, TR tubes, cavities, circuit components, relay contacts, control box faceplate.
Pipe Cleaner	840507	9920-00-292-9946	BX (1344 EA)	Cleaning small orifices and crevices.
Applicator, Disposable, Cotton Tip		6515-01-234-6838	PG (100 EA)	Removal of debris or solvents from small areas or circuit boards.
Brush, Acid	A-A-289	7920-00-514-2417	GR	For cleaning connectors, circuit boards, and small components.
Brush, Typewriter	A-A-3077 Cone-shaped Toothbrush-shaped Paintbrush-shaped	7510-00-550-8444 7510-00-550-8446 7510-00-550-8845	EA EA EA	For scrubbing dirt, soil, and corrosive products from circuit board components.
Toothbrush, Soft Bristle, Straight Line	A-A-59 (Children's) A-A-123 (Adult's)	8530-01-293-1388 8530-01-293-1387	BX (144 EA) DZ	Cleaning intricate parts. Before using, insure chemicals will not dissolve or soften brush.

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Table 2-5. Corrosion Preventive Compounds

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use
Corrosion Preventive Compound, Water-Displacing, Ultra Thin Film	MIL-PRF-81309 Type II Class 1 Class 1 (NAVGUARD)	8030-00-213-3279 8030-01-573-5154 8030-01-573-5158	GL QT GL	Type II: May be applied by dipping, spraying, brushing, or from aerosol containers. Suitable for use on any metal surface for indoor and short-term outdoor protection where surfaces can be recoated.
	Class 2 (Aerosol)	8030-00-938-1947	CN (16 OZ)	
	Type III Class 1 Class 2 (Aerosol)	8030-01-347-0978 8030-00-546-8637	GL CN (16 OZ)	Type III: For use on avionic equipment, electrical connector plugs, and contact points.
	Corrosion Preventive Compound, Solvent Cutback, Cold Application	MIL-PRF-16173 Grade 4	8030-01-396-5738 8030-01-396-5743 8030-01-347-0972	PT GL CN (5 GL)
Corrosion Preventive Compound, Water Displacing, Clear (AMLGUARD)	MIL-DTL-85054 Type I (Aerosol)	8030-01-347-0980	CN (14 OZ)	Temporary repair of small paint damage areas from chips, scratches, or cracks. Intended for use on non-moving parts not requiring a lubricated surface, such as fasteners, seams, access panels, joints, and unpainted metal.
	Type II (Bulk form)	8030-01-347-0983 8030-01-347-0981 8030-01-347-0982	BT (32 OZ Spray BT) QT CN (5 GAL)	
Lubricant, Water Displacing, Synthetic (Air Force Only)	MIL-L-87177 Grade B Type I	9150-01-328-3617	CN (16 OZ)	For corrosion protection on electrical plugs and connectors.
	Type II	9150-01-326-7294	CN (5 GL)	



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See SUPP C Table 2-6. Encapsulants

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use					
Silicone Adhesive-Sealant, One-Part, Room Temperature Vulcanizing (RTV), Non-fuel Resistant, Non-corrosive (Synthetic rubber)	MIL-A-46146	<b>COLOR</b>			For coating and patching RTV coated circuit boards and components. Not flowable into crevices and hard to reach areas. Kit (KT) includes primer coat but tube (TU) does not.  <b>NOTE</b> RTV 3145 is a Group I Type I sealant. RTV 3140 is a Group I Type II sealant.				
						Group I Type I (General Purpose, Thixotropic Paste)	Clear	8040-01-380-6428	TU (3 OZ)
							White	8040-01-331-7133	TU (3 OZ)
							White	8040-00-118-2695	KT (3 OZ)
							White	8040-00-938-1535	KT (12 OZ)
							White	8040-01-331-8046	CA (12 OZ)
						Group I Type II (General Purpose, Self-leveling Liquid)	Clear	8040-01-331-7127	TU (3 OZ)
							Clear	8040-01-009-1562	KT (3 OZ)
							Clear	8040-01-331-7134	PT
						Group II Type I (High Strength, Thixotropic Paste)	Clear	8040-01-394-3735	TU (3 OZ)
							Clear	8040-01-450-4013	KT (3 OZ)
							Clear	8040-00-117-8510	TU (3 OZ)
							Gray	8040-01-275-5052	KT (3 OZ)
							Gray	8040-00-145-0020	TU (3 OZ)
						Group II Type II (High Strength, Self-leveling Liquid)	Clear	8040-01-375-4805	TU (3 OZ)
Clear	8040-01-441-0671	KT (3 OZ)							
Group III Type I (High Temperature, Thixotropic Paste)	Gray	8040-01-450-6545	TU (3 OZ)						
	Red	8040-00-902-3871	KT (3 OZ)						
Varnish, Electrical Insulating	ASTM D3955	5970-00-285-0269 5970-00-285-0271 5970-00-832-6950	CN (5 GL) GL EA (16 OZ aerosol CN)	Moisture and fungus resistant varnish for electrical equipment and for clear coating on copper. For coating and patching of varnish coated circuit boards. Thinner: Use A-A-3007 (see Table 2-11).					
Molding and Potting Compound, Electrical Insulating, Polyurethane	MIL-M-24041 Category A Type I	<b>COLOR</b>	Amber	8030-00-862-5159	KT (1 QT)				
						Category B Type I	Clear	5970-01-158-6537	KT (1 PT)
	Black	5970-01-276-0966	KT (1 PT)						
	Black	5970-01-462-0165	KT (2 EA)						
	Type II	Amber/	5970-01-037-5044	CA (2.5 OZ)					
		Black Clear	5970-01-328-4893	CA (6 OZ)					
Sealing Compound, Synthetic Rubber, Electrical Connectors and Electrical Systems, Chemically Cured	MIL-PRF-8516 Type II								
						Class 1 (24 hr cure)	8030-00-881-2618	CA (2.5 OZ)	
							8030-01-371-4022	CA (6 OZ, frozen)	
						Class 2 (48 hr cure)	8030-00-174-2597	KT (24 OZ, 2 part)	
							8030-00-286-9035	KT (96 OZ, 2 part)	
							8030-00-297-6677	KT (6 OZ, 2 part)	
Class 3 (72 hr cure)	8030-00-515-2271	KT (48 OZ, 2 part)							
	8030-00-684-8790	KT (24 OZ, 2 part)							

Table 2-7. Lubricants

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use
Damping Fluid, Silicone Base	VV-D-1078 Grade 100 CST	9150-00-269-8246 9150-00-404-3435	LB DR (55 GL)	Lubricant for use on small switches and potentiometers where a residual lubricant is required after cleaning.
	Grade 100,000 CST	9150-00-292-9609	LB	
Lubricating Oil, General Purpose, Preservative	MIL-PRF-32033 (supercedes VV-L-800)	9150-00-273-2389 9150-00-458-0075 9150-01-374-2021 9150-00-231-6689 9150-00-231-9045 9150-00-231-9062 9150-00-281-2060	CN (4 OZ) CN (16 OZ) PT (Spray BT) QT GL CN (5 GL) DR (55 GL)	General lubrication and protection of avionic components, hinges, and quick release devices. Suitable for use where a general purpose lubrication oil with low temperature and corrosion preventive properties is desired.
Grease, Aircraft & Instrument, Gear & Actuator Screw	MIL-PRF-23827 Type I	9150-00-985-7244 9150-00-985-7245 9150-00-935-4017 9150-00-985-7246 9150-00-985-7247 9150-00-985-7248	TU (4 OZ) TU (8 OZ) CA (14 OZ) CN (1.75 LB) CN (6.5 LB) CN (35 LB)	Lubricating sliding and rolling surfaces of equipment such as instruments, cameras, and electronic gear.
	Type II	9150-01-491-8089 9150-01-491-8032	CA (14 OZ) CN (6.5 LB)	
Grease, Aircraft and Instrument	MIL-PRF-32014	9150-00-499-6650 9150-00-499-6648 9150-01-530-6380 9150-00-499-6647 9150-00-499-6642	TU (2 OZ) TU (4 OZ) CA (14 OZ) JR (1.75 LB) CN (6.5 LB)	General purpose aircraft lubricant that provides water resistance and corrosion protection over an extended period.

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Table 2-8. Neutralizing Agents

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Monosodium Phosphate, Anhydrous	AWWA B504	6810-00-281-1858	BG (100 LB)	For neutralizing spilled potassium hydroxide (electrolyte) in nickel-cadmium and silver-zinc battery installations. Also used as abrasive material in the Mini-Abrasive Unit.
Sodium Bicarbonate	ASTM D928 (supercedes A-A-374)	6810-00-264-6618 6810-00-297-0092	LB BG (50 LB)	For neutralizing spilled sulfuric acid (electrolyte) in lead acid battery installations. For neutralizing leaking tantalum capacitors in avionic equipment.
Boric Acid	A-A-59282 (supercedes O-C-265)	6810-00-264-6535 6810-00-824-9090 6810-00-153-0191	BT (500 GM) BT (3 KG) CO (12 KG)	For neutralizing electrolyte leakage from nickel-cadmium batteries.

Table 2-9. Packaging/Protective Materials

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use
Paper, Kraft, Untreated	A-A-203 Style 1 (Rolls) 50 lb weight (3' x 200')  60 lb weight (3' x 820')  70 lb weight (3' x 700')  80 lb weight (3' x 615')  Style 2 (Sheets) 30 lb weight 2' x 3' 70 lb weight 3' x 4'	8135-01-337-5370  8135-00-160-7768  8135-00-160-7771  8135-00-160-7776  8135-00-290-3408 8135-00-290-5504	BX (2 RO)  RO  RO  RO  BD (850 SH) PG (200 SH)	Protection of surrounding areas during paint spray operations.
Barrier Material, Watervaporproof, Greaseproof, Flexible, Heat Sealable	MIL-PRF-131 Class 1 36" x 600' 72" x 600'	8135-00-282-0565 8135-01-499-5302	RO RO	For protecting avionic components against moisture and contamination. Protects material during transportation and storage under all weather conditions.
Barrier Material, Flexible, Electrostatic Protective, Heat Sealable	MIL-PRF-81705 Type I 36" x 600' 36" x 150' Type II 48" x 48" 36" x 24"	8135-00-092-3220 8135-01-185-6816  8135-01-158-7786 8135-01-163-3486	RO RO  EA EA	To provide ESD/EMI packaging protection for hardware and components. May be used for long or short term protection.
Pouches, Cushioned, Flexible, Electrostatic Protective, Transparent	MIL-DTL-81997 Type I 8" x 12" 12" x 12" 10" x 10" 10" x 12"	8105-01-205-0207 8105-01-197-2965 8105-01-197-2966 8105-01-197-7846	HD EA EA EA	For protection of avionic/electronic equipment during shipment and storage.
Packaging Material, Sheet	A-A-59135 Class 1 Grade A 0.125" thick 60" x 450'	8135-01-059-4636	RO	For cushioning equipment on shelves, work benches, pallets. Use double layers for heavy equipment.
Cushioning Material, Packaging, Closed Cell Foam Plank	A-A-59136 Class 1 Grade A/B 0.5" thick 36" x 10'	8135-01-440-6560	SH	For cushioning equipment on shelves, work benches, pallets. Use double layers for heavy equipment.
Cushioning Material, Packaging, Flexible, Closed Cell Plastic Film (Bubble Wrap)	PPP-C-795 0.625" thick 48" x 250' 0.5" thick 24" x 250' 0.188" thick 12" x 500' 16" x 500' 24" x 500' 48" x 500' 48" x 45' 0.312" thick 24" x 375'	8135-00-142-9004  8135-00-926-8991  8135-00-142-9005 8135-00-142-9008 8135-00-142-9016 8135-00-142-9021 8135-01-061-2262  8135-01-050-7970	RO  BD (2 EA)  BD (4 EA) BD (3 EA) BD (2 EA) RO RO  BD	For cushioning equipment and protection against shock. Provides limited protection against moisture. Seal with Pressure Sensitive Tape, SAE AMS-T-22085.



Table 2-10. Paint Removers

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use
Remover, Paint, Epoxy, Polysulfide, and Polyurethane Systems	MIL-R-81294 Type I Class 1	8010-00-142-9273 8010-00-181-7568 8010-00-926-1488 8010-00-926-1489	PT GL CN (5 GL) DR (55 GL)	Type I removes epoxy & polyurethane paints. Class 1 contains phenolics & chromates. Class 2 is nonphenolic but contains chromates.
	Type I Class 2	8010-01-261-6067	CN (5 GL)	
Remover, Paint, No Hazardous Air Pollutants (HAPs)	TT-R-2918 Type I	8010-01-485-2312 8010-01-441-6143	CN (1 GL) CN (5 GL)	Ideal for use in localities where methylene chloride (e.g. MIL-R-81294) based paint removers are restricted or prohibited. Requires a little longer dwell time to lift coatings from parts than MIL-R-81294.
	Type II	8010-01-483-4367	CN (1 GL)	

Table 2-11. Paint Thinners

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use
Thinner, Alkyd Paints and Varnishes	A-A-3007	8010-01-441-5938 8010-01-441-5940 8010-01-441-5941 8010-01-441-5942	QT GL CN (5 GL) DR (55 GL)	Use for thinning varnish.  <b>CAUTION</b> Do not use in lacquers.
Thinner, Aircraft Coatings	MIL-T-81772 Type I (Polyurethane Thinner)	8010-00-181-8080 8010-00-181-8079 8010-00-280-1751	GL CN (5 GL) DR (55 GL)	Used for thinning MIL-PRF-85285 polyurethanes, MIL-PRF-22750 epoxy polyamide coatings, MIL-PRF-81352 acrylic nitrocellulose lacquers, and MIL-PRF-23377 epoxy polyamide primers. Do not use on polycarbonate or acrylic materials.
	Type II (Epoxy Thinner)	8010-01-200-2637 8010-01-212-1704 8010-01-168-0684	GL CN (5 GL) DR (55 GL)	
	Type III (Acrylic and Alkyd Thinner)	8010-01-165-6760	GL	

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Table 2-12. Paints – Primers

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use
Primer, Epoxy, High Solids (340 g/l VOC max.)	MIL-PRF-23377 Type I Class C1 (barium chromate)	8010-01-572-8809	KT (1 QT)	Primer coating used with polyurethane topcoat MIL-PRF-85285 and epoxy topcoat MIL-PRF-22750.
		8010-01-572-6868	KT (1 GL)	
		8010-01-551-9718	KT (4 GL)	
	Type I Class C2 (strontium chromate)	8010-01-441-6030	BX (24 SEMPENS)	Use Type I primer for exterior and interior surfaces requiring gloss paint finish systems or for surfaces requiring only primer (with no topcoat).
		8010-01-387-1033	KT (2 OZ)	
		8010-01-387-1069	KT (6 OZ)	
		8010-01-416-6556	KT (2 QT)	
		8010-01-416-6557	KT (1 GL)	
		8010-01-441-5849	KT (4 GL)	
		8010-01-495-8652	EA (2 OZ BT)	
	Type I Class N (non-chromate)	8010-01-555-3386	KT (1 QT)	Use Type II as a primer for exterior surfaces requiring tactical or camouflage (flat) paint finish systems. Type II may be used as an alternate for Type I materials.
		8010-01-555-3381	KT (1 GL)	
	Type II Class C2 (strontium chromate)	8010-01-441-6031	BX (24 SEMPENS)	Type I Class C1 and C2 primer is yellow. Type II Class C1 and C2 primer is green. Type I and II Class N primer color varies depending on manufacturer (may be tan, dark brown, aqua green, dark green).
		8010-01-437-8657	KT (2 QT)	
		8010-01-417-1215	KT (1 GL)	
		8010-01-495-8653	EA (2 OZ BT)	
Type II Class N (non-chromate)	8010-01-567-7346	BX (6, 2K Aerosol)	<b>CAUTION</b> Use of Type I and II Class N requires authorization from the cognizant Type, Model, Series (TMS) engineering authority for the aircraft.	
	8010-01-572-6869	KT (1 QT)		
8010-01-555-3383	KT (1 GL)			
Primer, Epoxy, Waterborne (340 g/l VOC max.)	MIL-PRF-85582 Type I Class C1 (barium chromate)	8010-01-472-4489	KT (1 PT)	Primer coating used with polyurethane topcoat MIL-PRF-85285 and epoxy topcoat MIL-PRF-22750.
		8010-01-441-6142	KT (1 QT *)	
		8010-01-218-0856	KT (1 QT**)	
		8010-01-218-7354	KT (2 GL)	
		8010-01-496-0705	EA (2 OZ BT)	
	Type I Class C2 (strontium chromate)	8010-01-441-6032	BX (24 SEMPENS)	Use Type I primer for exterior and interior surfaces requiring gloss paint finish systems or for surfaces requiring only primer (with no topcoat).
		8010-01-467-0160	KT (1 PT)	
		8010-01-292-8894	KT (1 QT**)	
		8010-01-292-8893	KT (2 GL)	
	Type I Class N (non-chromate)	8010-01-496-0695	EA (2 OZ BT)	Use Type II as a primer for exterior surfaces requiring tactical or camouflage (flat) paint finish systems. Type II may be used as an alternate for Type I materials.
		8010-01-555-3388	KT (1 QT)	
	Type II Class C1 (barium chromate)	8010-01-466-9307	KT (2 GL)	Type I Class C1 and C2 primer is light green. Type II Class C1 and C2 primer is dark green. Types I and II Class N primer color varies depending on manufacturer (may be tan, dark brown, aqua green, dark green).
		8010-01-218-0858	KT (1 QT**)	
		8010-01-218-0857	KT (2 GL)	
	Type II Class C2 (strontium chromate)	8010-01-496-0706	EA (2 OZ BT)	<b>CAUTION</b> Use of Type I and II Class N requires authorization from the cognizant Type, Model, Series (TMS) engineering authority for the aircraft.
		8010-01-441-6033	BX (24 SEMPENS)	
		8010-01-266-6576	KT (1 PT)	
		8010-01-294-7782	KT (1 QT)	
	Type II Class N (non-chromate)	8010-01-294-7781	KT (2 GL)	<b>NOTE</b> * after thinning with water (Dilute) ** before thinning with water (Concentrate)
		8010-01-496-0698	EA (2 OZ BT)	
		8010-01-466-9313	KT (2 GL)	

See SUPP C Table 2-13. Paints – Topcoats

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use	
Coating, Epoxy, High-Solids (340 g/l VOC max.)	MIL-PRF-22750			Use as topcoat on Navy avionic equipment.	
	<b>GLOSS</b>	<b>COLOR</b>		<b>NOTE</b> Mix only materials from the same kit (the brand and batch number on the pigmented compound can must be the same as those on the converter can).	
	Clear	----- ----- ----- -----	8010-01-313-8702 8010-01-419-1143 8010-01-419-1141 8010-01-313-8703		KT (1 QT) KT (2 QT) KT (4 QT) KT (2 GL)
	Gray, Engine	16081	8010-01-419-1167 8010-01-441-5898 8010-01-419-1166		KT (2 QT) KT (1 GL) KT (2 GL)
	Gray, Gull	16440	8010-01-441-5899 8010-01-419-1163		KT (1 QT) KT (2 QT)
	Gray, Light	16473	8010-01-414-8423		KT (2 QT)
	Black	17038	8010-01-441-5900 8010-01-419-1154 8010-01-419-1165		KT (1 QT) KT (2 QT) KT (4 QT)
	White	17875	8010-01-414-8439		KT (2 QT)
	White, Insignia	17925	8010-01-441-5905 8010-01-419-1153 8010-01-419-1164 8010-01-313-8701		KT (1 QT) KT (2 QT) KT (4 QT) KT (2 GL)
	<b>SEMI GLOSS</b>	<b>COLOR</b>			
	Gray	26231	8010-01-414-8428		KT (2 QT)
	Gray	26307	8010-01-441-5916 8010-01-414-8429		KT (1 QT) KT (2 QT)
	Gray, Light	26492	8010-01-414-8445		KT (2 GL)
	<b>FLAT</b>	<b>COLOR</b>			
	Gray, Dark	36081	8010-01-441-6080		KT (4 QT)
	Gray	36099	8010-01-414-8434		KT (2 QT)
	Gray	36231	8010-01-441-5921 8010-01-414-8446 8010-01-419-1150		KT (1 QT) KT (2 QT) KT (1 GL)
	Gray	36320	8010-01-441-5924 8010-01-419-1155 8010-01-419-1140		KT (1 QT) KT (2 QT) KT (1 GL)
	Gray	36375	8010-01-441-5930 8010-01-419-1152 8010-01-419-1146		KT (1 QT) KT (2 QT) KT (1 GL)
	Gray, Gull	36440	8010-01-414-8447		KT (4 QT)
	Gray, Light	36495	8010-01-441-5931 8010-01-419-1149 8010-01-419-1144		KT (1 QT) KT (2 QT) KT (1 GL)
	Black	37038	8010-01-441-5932 8010-01-419-1142 8010-01-414-8443		KT (1 QT) KT (2 QT) KT (1 GL)
	Insignia White	37875	8010-01-414-8435		KT (2 QT)



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Table 2-13. Paints – Topcoats (Cont.)

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use	
Coating: Polyurethane, Aircraft (420 g/l VOC max.)	MIL-PRF-85285 Type I				
	<b>GLOSS</b> Clear	<b>COLOR</b> -----	8010-01-441-6017	BX (24 SEMPENS)	Use as topcoat on Air Force or Navy avionic equipment.
	Gray, Engine	16081	8010-01-495-3853 8010-01-329-6753 8010-01-329-6302	EA (2 OZ BT) KT (1 PT) KT (2 QT)	
	Gray	16251	8010-01-495-3854	EA (2 OZ BT)	
	Gray, Light	16440	8010-01-459-9699 8010-01-495-3855 8010-01-285-3045 8010-01-285-3046 8010-01-575-3001 8010-01-528-4842	BX (24 SEMPENS) EA (2 OZ BT) KT (1 PT) KT (2 QT) BX (6, 6 OZ 2K Aerosol) CS (6, 16 OZ 2K Aerosol)	
	Gray, Light	16473	8010-01-441-6020 8010-01-495-3856 8010-01-336-3033 8010-01-575-3003 8010-01-528-4844	BX (24 SEMPENS) EA (2 OZ BT) KT (2 QT) BX (6, 6 OZ 2K Aerosol) CS (6, 16 OZ 2K Aerosol)	
	Black	17038	8010-01-441-6026 8010-01-495-3860 8010-01-285-3047 8010-01-285-3048 8010-01-575-4986 8010-01-528-4847	BX (24 SEMPENS) EA (2 OZ BT) KT (1 PT) KT (2 QT) BX (6, 6 OZ 2K Aerosol) CS (6, 16 OZ 2K Aerosol)	
	White, Insignia	17875	8010-01-468-7513	KT (1 GL)	
	White, Insignia	17925	8010-01-441-6029 8010-01-495-3863 8010-01-285-3034 8010-01-285-3035 8010-01-575-1331 8010-01-528-4848	BX (24 SEMPENS) EA (2 OZ BT) KT (1 PT) KT (2 QT) BX (6, 6 OZ 2K Aerosol) CS (6, 16 OZ 2K Aerosol)	
	<b>SEMI GLOSS</b>	<b>COLOR</b>			
	Gray	26231	8010-01-441-6007 8010-01-285-7285	BX (24 SEMPENS) KT (2 QT)	
	Gray	26250	8010-01-441-6035	BX (24 SEMPENS)	
	Gray	26251	8010-01-441-6034	BX (24 SEMPENS)	
	<b>FLAT</b>	<b>COLOR</b>			
	Gray, Dark	36081	8010-01-495-3923 8010-01-397-3974	EA (2 OZ BT) KT (2 QT)	
	Gray	36118	8010-01-441-6021 8010-01-495-3927 8010-01-305-5554 8010-01-305-5550 8010-01-575-2067 8010-01-528-4851	BX (24 SEMPENS) EA (2 OZ BT) KT (1 PT) KT (2 QT) BX (6, 6 OZ 2K Aerosol) CS (6, 16 OZ 2K Aerosol)	
	Gray	36173	8010-01-441-6022 8010-01-348-0385 8010-01-575-1328 8010-01-528-4852	BX (24 SEMPENS) KT (2 QT) BX (6, 6 OZ 2K Aerosol) CS (6, 16 OZ 2K Aerosol)	

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Table 2-13. Paints – Topcoats (Cont.)

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use
(Cont.)	MIL-PRF-85285 Type I (Cont.)  <b>FLAT</b> <b>COLOR</b> Gray, Medium      36231   Gray      36251   Gray      36270   Gray      36293   Gray, Medium      36320   Gray, Medium      36375   Gray, Light      36440   Black      37038   White, Insignia      37875 White      37886 White, Insignia      37925	8010-01-441-6027 8010-01-495-3931 8010-01-329-6756 8010-01-329-6755 8010-01-466-4323  8010-01-441-6013 8010-01-575-1330 8010-01-528-4856  8010-01-441-6023 8010-01-424-3651 8010-01-293-3016 8010-01-424-3648 8010-01-575-2068 8010-01-528-4857  8010-01-441-6014 8010-01-380-3284  8010-01-441-6024 8010-01-495-3935 8010-01-285-3556 8010-01-265-9144 8010-01-575-1329 8010-01-528-4858  8010-01-441-6025 8010-01-495-3936 8010-01-285-7287 8010-01-265-9145 8010-01-575-3004 8010-01-528-4860  8010-01-495-3938 8010-01-285-3551 8010-01-265-9138 8010-01-466-4322  8010-01-441-6028 8010-01-495-3946 8010-01-397-3980 8010-01-575-4987 8010-01-528-4866  8010-01-441-6016  8010-01-459-9697  8010-01-495-3952	BX (24 SEMPENS) EA (2 OZ BT) KT (1 PT) KT (2 QT) KT (1 GL)  BX (24 SEMPENS) BX (6, 6 OZ 2K Aerosol) CS (6, 16 OZ 2K Aerosol)  BX (24 SEMPENS) KT (1 PT) KT (2 QT) KT (1 GL) BX (6, 6 OZ 2K Aerosol) CS (6, 16 OZ 2K Aerosol)  BX (24 SEMPENS) KT (2 QT)  BX (24 SEMPENS) EA (2 OZ BT) KT (1 PT) KT (2 QT) BX (6, 6 OZ 2K Aerosol) CS (6, 16 OZ 2K Aerosol)  BX (24 SEMPENS) EA (2 OZ BT) KT (1 PT) KT (2 QT) BX (6, 6 OZ 2K Aerosol) CS (6, 16 OZ 2K Aerosol)  BX (24 SEMPENS) EA (2 OZ BT) BX (24 SEMPENS) EA (2 OZ BT)	

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Table 2-13. Paints – Topcoats (Cont.)

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use		
Coatings, Aircraft Touch-Up (340 g/l VOC max.)	MIL-PRF-81352 Type I (acrylic base)			One-component topcoat for general touch-up, temporary markings, cockpit instrument control box, and avionic equipment markings.		
	<b>GLOSS</b>	<b>COLOR</b>				
	Clear	-----	8010-00-490-7651		CN (1 GL)	
	Brown	10049	8010-00-935-7061		CN (1 QT)	
	Red	11105	8010-01-029-6349		CN (1 QT)	
	Red, Insignia	11136	8010-00-935-7064		CN (16 OZ Aerosol)	
			8010-00-935-7063		CN (1 QT)	
			8010-00-935-7062		CN (1 GL)	
	Orange, International	12197	8010-00-935-7066		CN (1 QT)	
			8010-00-935-7065		CN (1 GL)	
	Orange-Yellow	13538	8010-00-935-7068		CN (1 QT)	
			8010-00-935-7067		CN (1 GL)	
	Green, Olive Drab	14084	8010-00-935-7069		CN (1 QT)	
	Green, Olive Drab	14097	8010-00-133-5901		CN (16 OZ Aerosol)	
	Green, Light	14187	8010-00-935-7071		CN (1 QT)	
			8010-00-935-7070		CN (1 GL)	
	Blue, Dark	15044	8010-00-935-7072		CN (1 GL)	
	Blue	15045	8010-00-490-7649		CN (1 GL)	
	Blue	15102	8010-00-935-7073		CN (1 GL)	
	Gray, Engine	16081	8010-00-935-7075		CN (16 OZ Aerosol)	
	Gray	16440	8010-00-181-7791		CN (16 OZ Aerosol)	
			8010-01-088-0104		CN (1 QT)	
	Gray, Aircraft	16473	8010-00-935-7076		CN (1 GL)	
	Black	17038	8010-00-935-7078		CN (1 QT)	
			8010-00-935-7077		CN (1 GL)	
	White, Insignia	17875	8010-00-935-6609		CN (16 OZ Aerosol)	
		8010-00-935-6608	CN (1 GL)			

Table 2-13. Paints – Topcoats (Cont.)

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use
(Cont.)	MIL-PRF-81352 Type I (Cont.)  <b>FLAT</b> <b>COLOR</b> Brown                    30219 Red                        31136 Beige                      33531 Orange-Yellow        33538 Green, Olive Drab    33070 Green, Olive Drab    34079 Green, Olive Drab    34088 Green                     34102 Blue, Insignia        35044 Gray-Blue              35237 Gray, Dark             36081 Gray, Dark             36118 Gray                      36231 Gray, Light            36270 Gray, Gull              36440 Gray                      36118 Gray                      36320 Gray                      36492 Gray                      36622 White, Insignia       37875 White                     37886 Black                     37038	8000-00-066-9440 8010-00-066-9431 8010-01-306-6677 8010-01-157-2292 8010-00-490-7650 8010-00-068-8779 8010-00-144-9998 8010-00-068-8783 8010-00-066-9430 8010-01-270-3636 8010-01-270-3631 8010-01-270-3632 8010-01-124-5048 8010-01-150-9907 8010-01-270-3633 8010-00-935-7085 8010-00-935-7060 8010-01-270-3632 8010-01-270-3634 8010-01-270-3635 8010-00-068-8786 8010-00-068-8778 8010-01-303-0236 8010-00-935-7079 8010-00-830-1822	CN (1 GL) CN (1 GL) CN (1 GL) CN (1 GL) CN (1 GL) CN (1 GL) CN (1 QT) CN (1 GL) CN (1 GL) CN (1 GL) CN (1 GL) CN (1 GL) CN (1 GL) CN (16 OZ Aerosol) CN (1 GL) CN (1 GL) CN (16 OZ Aerosol) CN (1 GL) CN (1 GL) CN (1 GL) CN (1 GL) CN (1 GL) CN (1 GL) CN (1 GL) CN (1 GL) CN (1 GL) CN (16 OZ Aerosol) CN (1 GL)	

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Table 2-13. Paints – Topcoats (Cont.)

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use
(Cont.)	MIL-PRF-81352 Type III (polyurethane base)			One component topcoat for small, spot paint system repairs.
	<b>GLOSS</b> Red	<b>COLOR</b> 11136	8010-01-495-4140	EA (2 OZ BT)
	Orange, International	12197	8010-01-495-4141	EA (2 OZ BT)
	Orange-Yellow	13538	8010-01-495-4144	EA (2 OZ BT)
	Blue, Insignia	15044	8010-01-495-4155	EA (2 OZ BT)
	Gray, Dark	16081	8010-01-495-4163	EA (2 OZ BT)
	Gray	16251	8010-01-495-4164	EA (2 OZ BT)
	Gray, Light	16440	8010-01-495-4165	EA (2 OZ BT)
	Gray, Light	16473	8010-01-495-4166	EA (2 OZ BT)
	Black	17038	8010-01-495-4168	EA (2 OZ BT)
	White, Insignia	17925	8010-01-495-4172	EA (2 OZ BT)
	<b>FLAT</b> Blue-Gray	<b>COLOR</b> 35237	8010-01-495-4226	EA (2 OZ BT)
	Gray, Dark	36081	8010-01-495-4228	EA (2 OZ BT)
	Gray, Dark	36118	8010-01-495-4234	EA (2 OZ BT)
	Gray	36231	8010-01-495-4238	EA (2 OZ BT)
	Gray, Medium	36320	8010-01-495-4244	EA (2 OZ BT)
	Gray, Medium	36375	8010-01-495-4246	EA (2 OZ BT)
	Gray, Light	36440	8010-01-495-4248	EA (2 OZ BT)
	Gray, Aircraft	36495	8010-01-495-4249	EA (2 OZ BT)
	Black	37038	8010-01-495-4252	EA (2 OZ BT)
	White, Insignia	37925	8010-01-495-4257	EA (2 OZ BT)

Table 2-13. Paints – Topcoats (Cont.)

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use	
Coating, Aliphatic Polyurethane, Chemical Agent Resistant (Army only)	MIL-C-46168			Use as topcoat for Army avionic equipment.	
	<b>TYPE II</b> Gray	<b>COLOR</b> 36300	8010-01-144-9882 8010-01-127-8908 8010-01-144-9876	1 QT 1 GL 4 GL	Type II is lead and hexavalent chrome free.
	Gray	36231	8010-01-170-7583 8010-01-146-2649 8010-01-170-0132	1 QT 1 GL 4 GL	Type IV is high solids lead and hexavalent chrome free, with a maximum VOC level of 420 g/l.
	White	37875	8010-01-144-9883 8010-01-144-9872 8010-01-144-9877	1 QT 1 GL 4 GL	
	Green	34031	8010-01-141-2420 8010-01-131-6255 8010-01-131-6262	1 QT 1 GL 4 GL	
	Black	37038	8010-01-144-9885 8010-01-146-2646 8010-01-144-9879	1 QT 1 GL 4 GL	
	Black	37031	8010-01-144-9886 8010-01-146-2647 8010-01-146-4376	1 QT 1 GL 4 GL	
	<b>TYPE IV</b> Gray	<b>COLOR</b> 36300	8010-01-451-1060	1 GL	
	Gray	36231	8010-01-451-1062	1 GL	
	White	37875	8010-01-446-8962	1GL	
	Green Green	34031	8010-01-316-2221 8010-01-316-2219	1 QT 1 GL	
	Black	37038	8010-01-340-5175 8010-01-340-7060 8010-01-340-5176	1 QT 1 GL 4 GL	
	<b>TOUCH UP</b> Black	<b>COLOR</b> 37038	8010-01-510-7172 8010-01-519-6934	KT (6 EA) KT (6 EA)	2 oz aerosol touch-up kits 10 cc markers
	Plastic Material, Pressure Sensitive Adhesive, for Aerospace Identification and Marking	A-A-59485 Type I White Black	9330-00-839-0907 9330-01-144-1112	RO (24" x 50 YD) RO (30" x 50 YD)	Decals for aircraft marking. Use with 3M Edge Sealer 3950.
		Techniflex Hi-Performance Vinyl	Open Purchase (Avery Products)	RO (15" x 10 YD) RO (15" x 50 YD) RO (24" x 10 YD) RO (24" x 50 YD) RO (30" x 10 YD) RO (30" x 50 YD)	Available in punched or non-punched rolls. Available in gloss or matte black, gloss or matte white, clear, and 40 colors.
	Edge Sealer	3M 3950	Open Purchase (3M)	CN (8 OZ)	For sealing edges of decals.

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See SUPP C Table 2-14. Sealants

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use	
Sealing Compound	MIL-PRF-81733 Type I Class 1 Grade A I-1/2	8030-00-008-7207 8030-00-009-5022 8030-01-372-2984 8030-01-372-2985	KT (12 OZ, two part) KT (24 OZ, two part) OZ (2.5 OZ, frozen) OZ (6 OZ, frozen)	Polysulfide sealant that contains chromated corrosion inhibitors. Used for sealing gaps, seams and faying surfaces on permanent structure. For use up to 250° F (121° C)  Type I - Brush or Dip Application	
	I-2	8030-00-008-7196 8030-00-762-8807 8030-01-363-6501 8030-01-361-1814	KT (12 OZ, two part) KT (24 OZ, two part) OZ (6 OZ, frozen) CA (6 OZ SEMKIT)	Type II - Extrusion Gun or Spatula Application	
	Type II II-1/2	8030-00-008-7198 8030-00-470-9154 8030-01-387-0244 8030-01-387-1017 8030-01-184-0328 8030-01-184-0329	KT (12 OZ, two part) KT (24 OZ, two part) OZ (2.5 OZ, frozen) OZ (6 OZ, frozen) CA (2.5 OZ SEMKIT) CA (6 OZ SEMKIT)		
	II-2	8030-01-124-7622 8030-00-009-5023 8030-00-008-7200 8030-01-333-3954 8030-01-333-4821 8030-01-196-1958 8030-01-184-0330	KT (6 OZ, two part) KT (12 OZ, two part) KT (24 OZ, two part) OZ (2.5 OZ, frozen) OZ (6 OZ, frozen) CA (2.5 OZ SEMKIT) CA (6 OZ, SEMKIT)		
	II-4	8030-00-008-7201 8030-00-008-7202	KT (12 OZ, two part) KT (24 OZ, two part)		
	Type III III-1	8030-00-008-7203 8030-00-008-7204 8030-00-871-8489	KT (12 OZ, two part) KT (24 OZ, two part) KT (96 OZ, two part)		Type III - Spray Gun Application
	Type IV IV-12	8030-01-395-2726 8030-00-151-9973	KT (12 OZ, two part) KT (96 OZ, two part)		Type IV - Faying Surface, Gun or Spatula Application
	IV-24	8030-01-395-2728 8030-00-008-7206 8030-01-363-6503	KT (12 OZ, two part) KT (24 OZ, two part) OZ (6 OZ, frozen)		Type IV - Faying Surface, Gun or Spatula Application
	IV-48	8030-01-192-2807 8030-01-395-2729 8030-00-028-8495 8030-01-363-6504	KT (6 OZ, two part) KT (12 OZ, two part) KT (24 OZ, two part) OZ (6 OZ, frozen)		

Table 2-14. Sealants (Cont.)

Nomenclature	Specification/ Part No.		National Stock Number	Unit of Issue	Intended Use		
Silicone Adhesive-Sealant, One-Part, Room Temperature Vulcanizing (RTV), Non-fuel Resistant, Non-corrosive (Synthetic rubber)	MIL-A-46146	<b>COLOR</b>	Clear	8040-01-380-6428	TU (3 OZ)	For use on sensitive metals and equipment at temperatures less than 400° F (204° C). Cures at room temperature upon contact with moisture in the air. To improve adhesion, use sealant with primer coat. Kit (KT) includes primer coat, but tube (TU) does not.	
			White	8040-01-331-7133	TU (3 OZ)		
	Group I Type I (General Purpose, Thixotropic Paste)	White	8040-00-118-2695	KT (3 OZ)			
		White	8040-00-938-1535	KT (12 OZ)			
		White	8040-01-331-8046	CA (12 OZ)			
		Group I Type II (General Purpose, Self-leveling Liquid)	Clear	8040-01-331-7127	TU (3 OZ)		
			Clear	8040-01-009-1562	KT (3 OZ)		
			Clear	8040-01-331-7134	PT		
	Group II Type I (High Strength, Thixotropic Paste)	Clear	8040-01-394-3735	TU (3 OZ)			
		Clear	8040-01-450-4013	KT (3 OZ)			
		Clear	8040-00-117-8510	TU (3 OZ)			
		Gray	8040-01-275-5052	KT (3 OZ)			
		Gray	8040-00-145-0020	TU (3 OZ)			
	Group II Type II (High Strength, Self-leveling Liquid)	Gray	8040-01-375-4805	TU (3 OZ)			
		Clear	8040-01-441-0671	KT (3 OZ)			
	Group III Type I (High Temperature, Thixotropic Paste)	Gray	8040-01-450-6545	TU (3 OZ)			
		Red	8040-00-902-3871	KT (3 OZ)			
Silicone RTV Primer Coat	GE SS 4004 DC 1200 DC 1200	<b>COLOR</b>			Use for improving adhesion of silicone RTV adhesive-sealants. Recommended for use with MIL-A-46146 RTV.		
		Red	8040-00-083-8403	PT			
		Red	8040-00-111-2682	PT			
		Clear	8040-00-845-4304	PT			
		Red	8040-00-870-0877	QT			
Red	8040-00-914-6970	GL					
Sealing Compound	SAE-AMS-S-83318 (supersedes MIL-S-83318)		8030-00-474-1419	CA (6 OZ)	A quick cure sealant that contains corrosion inhibitor. For use in sealing gaps, or seams during extreme cold weather activities.		
Sealing Compound Silicone Rubber, Electrically Conductive and Corrosion Resistant, for Use from -67 to +500° F (-55 to +260° C)	AMS 3262				To bond EMI gaskets to a metal surface, to bond and seal metal mating surfaces, and to fillet seal metal lap and butt joints while providing electrical conductivity and preventing galvanic corrosion for EMI suppression applications.  Use Cho-Bond 1075 with Cho-Bond 1086 primer.		
	Cho-Bond 1075		8040-01-342-1510	TU (2.5 OZ)			
	PR-2225 B-1		8030-01-499-0438	CA (6 OZ, SEMKIT)			
Primer for Electrically Conductive Silicone Sealant	Cho-Bond 1086		8040-01-188-5038	PT	Use with Cho-Bond 1075 (AMS 3262) electrically conductive silicone sealant.		



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Table 2-14. Sealants (Cont.)

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use
Self-Leveling Green, Two Part Sealant	HT3326-5-50 HT3326-5-200	8030-01-494-9650 8030-01-521-9865	CA (50 CC) CA (200 CC)	For sealing around antenna connector base in conjunction with polyurethane gasket installation. Cures in 30-40 minutes.
1:1 Thixoflex Gray Sealant	TG8498-50	8030-01-494-9651	CA (50 CC)	Fast curing sealant that does not contain corrosion inhibitors. Use only for outer edge sealing of antennas and static dischargers with conductive gaskets. Cures in 65-75 minutes. Must be painted following cure for UV protection. Use with sealant dispenser, UG981108-01 (see Table 3-6).
2:1 Thixoflex Gray Sealant	TG2010-50	8030-01-504-8136	CA (50 CC)	Fast curing sealant that does not contain corrosion inhibitors. Use only for outer edge sealing of antennas and static dischargers with conductive gaskets. Cures in 65-75 minutes. Must be painted following cure for UV protection. Use with sealant dispenser, UG981108-01 (see Table 3-6).
Stretch Seal Connector Wrap, HI-TAK Tape	AD89503-01-24 AD89503-01-36	8030-01-520-8054 8030-01-531-6541	RO (1" x 24") RO (1" x 36")	Protection of coaxial connectors from moisture and corrosion.
Stretch Seal Connector Wrap with Zip Ties	EN110589-01 (small connectors <1") EN110589-02 (large connectors >1")	8030-01-495-1842 8030-01-501-9455	KT KT	Protection of coaxial connectors from moisture and corrosion. Kit consists of one piece wrap and three zip ties.
Stretch Seal Connector Wrap with Lacing String	EN110589-03 (small connectors <1") EN110589-04 (large connectors >1")	8030-01-523-0057 8030-01-523-0063	EA (1" x 7") EA (1" x 12")	Protection of coaxial connectors from moisture and corrosion. Kit consists of one piece wrap and three lacing strings.

Table 2-15. Solvents

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use
Degreasing Solvent	MIL-PRF-680 Type II (High flash point)  Type III (Very high flash point)	6850-01-474-2319 6850-01-474-2317 6850-01-474-2316  6850-01-474-2318 6850-01-474-2320 6850-01-474-2321	GL CN (5 GL) DR (55 GL)  GL BX (2, 2.5 GL) DR (55 GL)	General purpose cleaning solvent for removing grease, oil, and preservation compounds.
Isopropyl Alcohol	TT-I-735 Grade A	6810-00-753-4993 6810-00-983-8551 6810-00-286-5435	CN (8 OZ) QT GL	Used for cleaning surfaces prior to painting or sealing.  <b>CAUTION</b> Use in squirt bottles only. Do not use in spray bottles - atomized IPA is highly flammable.
Aliphatic Naphtha	TT-N-95 Type II	6810-00-238-8119 6810-00-265-0664 6810-00-238-8117	GL CN (5 GL) DR (55 GL)	Use for cleaning/degreasing acrylic plastics (i.e., windscreens and canopies) and removal of tape adhesive residue.
Distilled Water	ASTM D1193 Reagent Grade	6810-00-682-6867 6810-01-327-6267 6810-00-107-1510	BX (6, 1 GL) GL DR (5 GL)	Used for cleaning in critical soldering operations.
Cleaning Solvent	Envirosolv 654CR	6850-01-388-9732 6850-01-388-9744	CN (5 GL) DR (55 GL)	For use in ultrasonic cleaning tanks or as a wipe solvent.
Cleaning Compound, Solvent	CT-1	6850-01-394-2631 6850-01-394-2633 6850-01-394-2629	GL CN (5 GL) DR (55 GL)	For use with CHEM-TECH Track 8 cleaning.
Cleaning Compound, Solvent	CT-2L	6850-01-394-2630 6850-01-394-2627	CN (5 GL) DR (55 GL)	For use with CHEM-TECH Track 8 cleaning.

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Table 2-16. Tags/Forms

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use
<b>NOTE</b> Tags/ labels may be ordered through DAPS Support Center/Naval Forms Help Desk at 866-736-7010.				
Water/Crash/Fire Damage Tag (Navy Use Only)	NAVAIR 3750/1	0102-LF-994-3300	PG (50)	Use for tagging equipment or parts removed from aircraft involved in water, crash, and/or fire damage.
Water/Crash/Fire Damage Label (Navy Use Only)	NAVAIR 4035/13	0102-LF-994-2800	PG (50)	Use for tagging containers of equipment or parts removed from aircraft involved in water, crash, and/or fire damage.

See SUPP C Table 2-17. Tapes

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use
Insulating Tape, Electrical	ASTM D2686	5970-01-097-3767	RO (1/4" x 36 YD)	Protection of connectors exposed to severe environments.
Tape, Pressure Sensitive, Adhesive, Masking, Non-Staining, for Aircraft Painting Applications	SAE-AMS-T-21595 Type I (crepe paper)	7510-01-680-2450 7510-01-680-2470 7510-01-685-4963 7510-01-684-8784 7510-01-680-2395 7510-01-680-2471	RO (1/2" x 60 YD) RO (3/4" x 60 YD) RO (1" x 60 YD) RO (1.5" x 60 YD) RO (2" x 60 YD) RO (3" x 60 YD)	For masking of undamaged areas during paint touch-up on equipment cases, covers, mounting rack. For masking electrical and electronic components during replacement of conformal coating and varnishing. <b>CAUTION</b> Only to be used if components are sufficiently rigid to withstand application and removal of tape.
Tape, Pressure Sensitive, Adhesive	A-A-59298	7510-01-060-8518 7510-01-497-3708	RO (1/2" X 72 YD) RO (1/8" X 72 YD)	For isolating dissimilar metals where galvanic action may take place in avionic equipment.
Tape, Pressure Sensitive, Adhesive, Preservation and Sealing	SAE-AMS-T-22085 Type II	7510-00-852-8179 7510-00-852-8180 7510-00-885-3510 7510-00-926-8939	RO (1" X 36 YD) RO (2" X 36 YD) RO (2.5" X 36 YD) RO (3" X 36 YD)	For holding barrier material in place during shipping. Treated, non-corrosive, non-fungus supporting. For use on equipment without overcoatings.
Tapes, Pressure Sensitive, Adhesive, for Masking During Paint Stripping Applications	SAE-AMS-T-23397 Type II	7510-00-806-4669 7510-00-720-7516 7510-00-684-8803	RO (1/2" X 60 YD) RO (1" X 60 YD) RO (2" X 60 YD)	For masking during paint stripping operations on avionic equipment and airframe structures. Resistant to MIL-R-81294 and TT-R-2918 up to 72 hours.

Table 2-18. Tracers/Indicators

Nomenclature	Specification/ Part No.	National Stock Number	Unit of Issue	Intended Use
Desiccants, Activated, Bagged, Packaging Use and Static Dehumidification	MIL-D-3464 Type II 16 unit bag 8 unit bag 4 unit bag 2 unit bag 1 unit bag 0.5 unit bag	6850-00-935-9793 6850-00-935-9794 6850-00-935-9795 6850-00-935-9878 6850-00-935-9797 6850-00-935-9798	DR (120 EA) DR (240 EA) DR (400 EA) CN (130 EA) CN (250 EA) CN (450 EA)	Absorbs moisture, lowers relative humidity when sealed in container.
Indicator, Humidity, Card, Chemically Impregnated	MIL-I-8835 3" x 2" (MS20003-2) 1.625" x 1" (MS20003-3)	6685-00-752-8240 6685-01-008-7563	CN (125 EA) EA	Used to determine if desiccant within a package is sufficiently active to maintain a relative humidity below that at which corrosion will occur.
Silver Nitrate (Crystals)	A-A-59282	6505-00-140-5000 6810-00-233-0124 6810-00-233-0126 6810-00-243-4434 6810-01-461-4501	BT (1 OZ (28.35 G)) BT (500 G) BT (4 OZ (100 G)) BT (25 G) EA (25 G)	Identification of magnesium metal.
Silver Nitrate Solution		6810-00-282-1218 6810-01-491-6715	BT (500 ML) BT (0.5%, 960 ML)	Identification of magnesium metal.
Bromothymol Blue	A-A-59282 Powder  Premade Solution	6810-00-262-8581  6810-00-281-4270 6810-00-281-4271	BT (1 G)  BT (500 ML) EA (4 OZ)	For detecting reverse voltage damage to wet-slug tantalum capacitors. See Volume III Chapter 6. Premade solutions contain methanol.
Ammonium Hydroxide, Technical	A-A-59370 Type I (supercedes O-A-451)	6810-00-584-3793 6810-00-817-9929	PT GL	Used to assist in dissolving Indicator, Bromothymol Blue Reagent.
Litmus Paper	Blue Litmus Paper  Red Litmus Paper	6640-00-290-0146  6640-00-290-0147	PG (2400 EA)  HD	Blue: Color change to red indicates acid present (lead acid batteries). Red: Color change to blue indicates alkali (base) present (NiCd batteries).

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### CHAPTER 3 EQUIPMENT FOR CORROSION CONTROL

**3-1. INTRODUCTION.** The equipment referenced in this chapter is approved for use, but approval should not be misconstrued as an endorsement of any manufacturer's product(s). If approved equipment for an application/procedure is not available, contact your service representative for approval: NAVAIR North Island (Code 434), San Diego, CA (Navy), AMCOM Corrosion Program Office, U.S. Army Aviation Systems Command, Redstone Arsenal, Huntsville, AL (Army), or Air Force Corrosion Prevention and Control Office, AFRL/MLS-OLR, Robins AFB, GA. [See SUPP C](#)

**3-2. ARRANGEMENT OF CHAPTER.** Chapter 3 lists equipment used for avionics cleaning and corrosion control.

3-2.1. Equipment is grouped by function in the following tables:

- a. Table 3-1. Cleaning Equipment.
- b. Table 3-2. Corrosion Removal Equipment.
- c. Table 3-3. Inspection Equipment.
- d. Table 3-4. Painting Equipment.
- e. Table 3-5. Safety Equipment.
- f. Table 3-6. Sealing Equipment.

3-2.2. A description of the column headings and contents is given below.

- a. Nomenclature: the name of the equipment
- b. Specification/Part Number: the military or industry specification and/or the commercial part number
- c. National Stock Number: the national stock number of the equipment
- d. Unit of Issue: the type/size of the equipment issued. Unit of Issue abbreviations are shown below.

CODE	UNIT	CODE	UNIT	CODE	UNIT
BD	Bundle	DZ	Dozen	OZ	Ounce
BG	Bag	EA	Each	PG	Package
BO	Bolt	FT	Foot	PR	Pair
BT	Bottle	GL	Gallon	PT	Pint
BX	Box	GR	Gross	QT	Quart
CA	Cartridge	HD	Hundred	RO	Roll
CB	Carboy	JR	Jar	SE	Set
CN	Can	KT	Kit	SH	Sheet
CO	Container	LB	Pound	TU	Tube
CS	Case	LG	Length	YD	Yard
DR	Drum	MX	Thousand	-----	-----

- e. Intended Use: a short description of what the equipment is used for.

Table 3-1. Cleaning Equipment

Nomenclature	Specification/Part No.	National Stock Number	Unit of Issue	Intended Use
Scrub Brush, Aircraft Cleaning (Nylon Bristle)	MIL-B-23958 Type I Style 1, Round Block Style 2, 6" Rectangular Block Style 3, 12" Rectangular Block	7920-00-054-7768 7920-00-051-4386 7920-00-051-4383	EA EA EA	Scrubbing of avionic equipment housings for hard to remove soils.
Brush, Aircraft Cleaning, Tampico Fiber	A-A-2074	7920-00-282-2470	EA	For removal of corrosion products and surface contamination from avionic equipment housings, chassis, and covers.
Bottle, Adjustable, Sprayer Nozzle (16 OZ)	A-A-2806	8125-00-488-7952	EA	Spraying of cleaning compounds.
Wash Bottle, Plastic (250 ml)		6640-00-299-8493	EA	Use for rinsing chemically treated surfaces.
Pump, Backpack (5 GL)	5100-254B	4320-00-289-8912	EA	Localized cleaning and rinsing of avionic surfaces.
Booth, Cleaning, Water Base Solvent Spray	MIL-PRF-83831	4940-00-422-1774	EA	For the removal of dirt, dust, salt spray deposits and light corrosion products. For pre-cleaning of components prior to ultrasonic detergent cleaning. For cleaning and rinsing components after ultrasonic detergent cleaning, abrasive corrosion removal and hand cleaning.
Mini-Vacuum Cleaner, Pneumatic, Venturi-Type	AT560	5130-01-368-5861	EA	Removing dirt and debris.
Vacuum Cleaner with attachments	Pneumatic	7910-00-807-3704	EA	Removing dirt and debris.
Heat Gun, Electric	A-A-59435 Type I (350 - 500° F) Type II (500 - 750° F) Type III (750 - 1000° F)	4940-00-357-1369 4940-01-028-7493 4940-01-391-7046	EA EA EA	To thaw or dry equipment/components or shrink insulating tubing associated with electrical applications. <b>WARNING</b> Not explosion proof. Not authorized for use on aircraft.
Heat Lamp, Tub Light	TLS-1750-C	Open Purchase (Infratech)	EA	Used for drying aircraft components or avionic equipment. Tub light with three settings and adjustable/movable base. Requires 7 R-40 120V, 250W infrared bulbs. <b>CAUTION</b> Lamp is hot enough to blister paint/melt plastics. Place component 24"-30" away from heat source.
Infrared Bulb	R-40 120V, 250W	6240-00-712-3090	EA	For use with Tub Light Heat Lamp.
Oven, Forced Air		6640-00-086-5371 6640-00-165-5751 6640-00-216-3465 6640-00-420-2650 6640-00-471-5678 6640-00-524-6150 6640-00-526-7364 6640-00-774-1214 6640-01-025-8802 6640-01-036-7645 6640-01-037-4574 6640-01-080-6852 6640-01-113-6711 6640-01-189-1614 6640-01-193-8978 6640-01-251-7088 6640-01-254-8626 6640-01-283-4503	EA	For drying avionic equipment and components.
Cleaning Unit, Portable, Aqueous	Mini Max 6606	4940-01-411-8632	EA	Aqueous cleaner for small electrical parts and circuit boards. Supplied with removable nozzle. Uses distilled, deionized, or filtered tap water with Arma-Sol Rust Inhibitor.

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Table 3-1. Cleaning Equipment (Cont.)

Nomenclature	Specification/Part No.	National Stock Number	Unit of Issue	Intended Use
Oven, Circulating Air, (Gravity Drying)		6640-00-022-8349 6640-00-061-2796 6640-00-108-1738 6640-00-110-9013 6640-00-119-9372 6640-00-127-5747 6640-00-165-5749 6640-00-359-9880 6640-00-431-7593 6640-00-435-7320 6640-00-501-5489 6640-00-501-5496 6640-00-501-5499 6640-00-526-7361 6640-00-531-4358 6640-00-863-6766 6640-00-889-6914 6640-00-890-9229 6640-00-926-7346 6640-00-977-3341 6640-01-037-4575 6640-01-050-3628 6640-01-052-8326 6640-01-052-8465 6640-01-069-6322 6640-01-101-3810 6640-01-116-1036 6640-01-135-1961 6640-01-296-2142	EA	For drying avionic equipment and components.
Oven, Circulating Air, (Natural Drying)		4430-00-142-2336 4430-00-187-7717 4430-00-192-0779 4430-00-344-1535 4430-00-349-5066 4430-00-596-3314 4430-00-622-6996 4430-00-731-2773 4430-00-831-4172 4430-00-973-2707 4430-01-061-5219 4430-01-062-0178 4430-01-065-2184 4430-01-082-5531 4430-01-111-0972 4430-01-125-5286 4430-01-164-3565 4430-01-203-4327 4430-01-262-7709	EA	For drying avionic equipment and components.
Oven, Vacuum		6640-00-018-4185 6640-00-165-5751 6640-00-184-3671 6640-00-435-7385 6640-00-532-7524 6640-01-007-9191 6640-01-008-3476 6640-01-015-5049 6640-01-018-8565 6640-01-023-2809 6640-01-023-5723 6640-01-031-7053 6640-01-083-1723 6640-01-096-9497 6640-01-302-1025 6640-01-387-2604	EA	For drying avionic equipment and components.

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See SUPP C Table 3-2. Corrosion Removal Equipment

Nomenclature	Specification/Part No.	National Stock Number	Unit of Issue	Intended Use
Grinder, Pneumatic, Horizontal (20,000-25,000 RPM)	DG-50-230	5130-00-293-2797	EA	Use with 3M Radial Bristle Disc (see Table 2-1) for small corrosion repair and paint removal.
Mandrel Assembly, Radial Bristle Disc	3M No. 990	3460-01-493-7924	EA	Use with 3M radial bristle disc (see Table 2-1) for small corrosion repair and paint removal.
Vacuum Sanding System, Clayton (unit includes an ULPA-filter vacuum, a variety of pneumatic sanders, abrasives, tools, compressed air and vacuum hoses)	670-DM-1535-0 660-DM-1000 BCE-7000 ACE-1000	5130-01-551-2270 5130-01-413-9122 7910-01-338-3327 7910-01-390-5761	EA EA EA EA	Portable vacuum sanding system used to remove corrosion or coatings. Captures airborne particles and dust generated by sanding operations.  For use in shops and hangers, electric. For use in shops and hangers, pneumatic. For use in shops and hangers, pneumatic-cyclone. For use on-site (ultra-portable, backpack).
Sanders, Clayton Vacuum Sanding Systems	675-12301J 670-12601J 675-12341J 670-12601J 690-003	5130-01-520-5673 5130-01-520-5669 5130-01-520-5670 5130-01-520-5672 5130-01-520-5671	EA EA EA EA EA	Replacement sanders for Clayton Vacuum Sanding System (refer to Table 2-1 for abrasives used with Clayton sanders).
ULPA-Filter Vacuums	DM-100 DM-104 DM-200 DM-204	7910-01-520-6439 7910-01-520-6436 7910-01-520-7311 7910-01-520-7310	EA EA EA EA	Replacement vacuum for Clayton Vacuum Sanding System.  For use in shops and hangers, electric. For use in shops and hangers, pneumatic. For use in confined areas, electric. For use in confined areas, pneumatic.
Vacuum Sanding System, DCM (kit includes grinder, vacuum shroud, hose assembly, and disc assortment)	Posi-Vac Starter Kit with Grinder 151083 (Dotco grinder) 151153 (Dynabrade grinder)	4130-01-458-8662 4130-01-507-7021	EA EA	Portable vacuum sanding system used to remove corrosion or coatings. Captures airborne particles and dust generated by sanding operations.
Scissors	GGG-S-278 Shears (9" ) Electricians' (5 1/4")	5110-00-161-6912 5110-01-336-5726	EA EA	Cutting tapes, cheesecloth, masking materials, and electrical wires
Dry Honing Machine, Portable, Air-Operated	41303	4940-00-872-1712	EA	A compact, self-contained, and light-weight unit used for the safe and convenient removal of corrosion products from avionic components.
Electrical Pump Kit for Dry Honing Machine	918708	4940-00-948-3810	EA	The electric pump allows the Honing Machine to use low pressure/low volume air to operate instead of the low pressure/high volume air required to operate units equipped with the air ejector pump. For use with Portable Dry Honing Machine above.
Blast Cleaning Machines, Cabinet, Stationary	MIL-B-45022 Style A Class A Type II  MIL-C-83756 Type I Style C	4940-00-242-3631  4940-01-178-0732	EA  EA	Provides a shielded enclosure for portable honer operation. Used for abrasive cleaning of rust and corrosion products from avionic equipment structures and housings.  <b>CAUTION</b> Do not use on static sensitive devices and microminiature components. Do not use same blast media for removal of corrosion products on ferrous metals and non-ferrous aluminum alloys.



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Table 3-3. Inspection Equipment

Nomenclature	Specification/Part No.	National Stock Number	Unit of Issue	Intended Use
Magnifying Glass, Folding Pocket Type (Circular shape)	GG-M-95 Type III Class C Double lens (5x, 20x)	6650-00-530-1880	EA	Detailed inspection of corrosion. Lenses pivot for single or combination use.
	Triple lens (5x, 7x, 10x)	6650-00-098-6128	EA	
Inspection Mirror, Spring Loaded, Plunger Actuated (Rectangular)	GGG-M-350 Type II Class 3 Small (1.5" L x 1.25" W) Large (2.625" L x 1.750" W)	5120-00-278-9926	EA	Aid for inspecting hard to see corrosion areas.
		5120-00-618-6902	EA	
Marking Pencil, Non-corrosive (7")	MIL-P-83953 Yellow Red	7510-00-537-6930	DZ	Identification of corroded areas.
		7510-00-537-6935	DZ	
Flashlight, Metal	A-A-1382	6230-01-247-7549	EA	Use for corrosion inspection.
Flashlight, Metal (Rechargeable)	A-A-1382	6230-01-152-5952	EA	Use for corrosion inspection.
Ultraviolet Light		6635-00-611-5617 6635-00-952-9954 6635-01-075-5324 6635-01-133-5474 6635-01-150-1231 6635-01-234-7813 6635-01-504-4361	EA	For detecting solder flux on miniature and microminiature circuit boards.  <b>WARNING</b> Use with the filter provided in the kit. Ultraviolet light can be harmful to the eyes. Do not use a cracked, damaged, or undersized filter.

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**See SUPP C** Table 3-4. Painting Equipment

Nomenclature	Specification/Part No.	National Stock Number	Unit of Issue	Intended Use
Touchup Paint Spray Gun, Gravity Feed, HVLP	Binks M1-G DeVilbiss TGHV-635 DeVilbiss SRI-628-1.2 AirVerter CT-100 Stencil Pro	4940-01-432-9513 Open Purchase 4940-01-439-7460	EA EA EA EA	Touchup gun only. Touchup gun with 8 oz. aluminum cup. Touchup gun only. Mini detail gun with 4 oz. poly cup.
Compressed Air Separator (air regulator assembly)	MIL-S-12928 Class 1 (1 regulator, 2 outlets) Class 2 (2 regulators, 4 outlets)	4940-00-242-4100 4940-00-242-4101	EA EA	Wall-mounted separators designed to remove oil, water, and foreign particles from compressed air and to regulate the delivery pressure of air used for spraying paint and pneumatic tools.
PreVal Aerosol Sprayer		8020-01-496-2473	EA	Power unit only. Use for touch-up of small, spot paint system repairs. Use with 2 OZ paint bottles (see Tables 2-12 and 2-13).
Paint Brush, Flat, Metal Bound, Synthetic Fiber	H-B-420 Type II 1" wide 2" wide	8020-00-263-3866 8020-00-550-8359	EA EA	Paint touchup.
Artist Brush (3/8")	H-B-118	8020-00-597-4767	EA	Used for applying lacquer.
Artist Airbrush Kit (3 FL OZ)	A-A-1533	7520-00-939-6179	EA	Spraying applicator for paints, preservatives, and other touch up materials.
Color Fandek	FED-STD-595	7690-01-162-2210	EA	A collection of standard colors used by the federal government to identify paints and coatings.
Stencil Marking Set, Gothic Style (made of Brass)	A-A-130 (supersedes RR-S-714) 1/2" size marking 1" 1 1/2" 2" 3" 4" 5"	7520-00-205-1760 7520-00-298-7043 7520-00-272-9680 7520-00-298-7044 7520-00-272-9683 7520-00-269-9012 7520-00-272-9684	SE SE SE SE SE SE SE	Reusable aircraft marking. Each set includes 1 ampersand, 1 apostrophe, 1 comma, 3 end pieces, 1 period, 2 spacers, 1 set of letters A thru Z, and 1 set of numerals "0" thru "9".
Stencilboard (100 sheets)	A-A-1733 (36" L x 24" W x 0.0165" thick)	9310-00-160-7858	PG	Preparation of stencils for painting.

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Table 3-4. Painting Equipment (Cont.)

Nomenclature	Specification/Part No.	National Stock Number	Unit of Issue	Intended Use
Decal Maker and Cutter	Color Camm Pro PC-600 Printer/Cutter	Open Purchase (Roland DGA Corp)	EA	Use to create decals for aircraft/component marking. Equivalent systems are also acceptable for use.
Applicator, Tape and Decal	3M No. PA1 (4" L x 2-3/4" W with tapered edges)	5120-00-628-5569	BX (25 EA)	For applying masking tapes and decals.
Wet Film Thickness Gauge, Paint (Comb type)	WF-CCD	5210-01-467-1908	EA	Measuring thickness of wet coatings.
Viscosity Cups (Stainless steel)	ANSI/NCSS Z540-1 Zahn S90 #2 (P/N: VI-2102) No. 2 EZ Cup (P/N: VI-EZ2)	6630-01-341-4571 6630-01-412-4906	EA EA	Adjusting viscosity of paints and sealants before applying.
Paint Mixer, Revolving Shaft and Agitator Type (electric motor driven)	A-A-59433 (supersedes MIL-M-3070) Type I - Revolving Shaft Mixer Class 1 - 1/2 hp (115V)  Type II - Agitator Type Mixer 1/4 hp (115V) 1/3 hp (110V) 1/3 hp (115V) 1/3 hp (220V)	4940-00-221-1707  4940-00-243-2735 4940-00-243-2736 4940-00-251-6475 4940-00-254-8666	EA  EA EA EA EA	Blends paints or oils by agitation.  1/4 pint to 1 gallon mixer. 1 to 5 gallon mixer. 1 to 5 gallon mixer. 1 to 5 gallon mixer.
Roller Kit, Paint	A-A-2851 Type VI 7" long, polyester cover, 3/8" nap 9" long, polyester cover, 3/8" nap	8020-00-597-4759 8020-00-689-5379	KT KT	Touch-up painting of aircraft and avionics housing surfaces.
Roller Cover	A-A-2851 Type II 7" long, acrylic, 3/8" nap 9" long, acrylic, 3/8" nap	8020-00-682-6489 8020-00-682-6491	EA EA	Replacement cover for roller handle.

Table 3-5. Safety Equipment

**NOTE**

Consult local Safety Office for Personal Protective Equipment (PPE) requirements. The local Safety Office overseas and administers the respirator fit and monitoring programs.

Nomenclature	Specification/Part No.	National Stock Number	Unit of Issue	Intended Use
Respirator Cleaning Wipes (alcohol-free towelettes)	3M No. 504	6510-01-397-4339	BX (500)	Hygienic cleaning of respirators and other personal protective equipment.
Respirator Disinfectant and Cleaner	A-33	7930-00-279-7669	GL	Concentrated liquid for hygienic cleaning of respirators and other personal protective equipment.
Air Breathing Pump, Pneumatic Driven, Portable	NF-1100 (supersedes NF15-3) (RhineAir) ADP-16 (Bullard)	4240-01-363-4699 4310-01-168-7302	EA EA	Supply air to hoods and facepiece respirators. <b>NOTE</b> Use MIL-PRF-32033 or 10 wt. oil equivalent (MIL-PRF-17672) to fill in-line oiler of air motor after each use, as required, to maintain lubrication and prevent motor oxidation.
Replacement Filter Cartridges for Breathing Pumps	CF8080 (RhineAir)	4240-01-084-0921	BX (10)	For use with RhineAir's NF-1100 and NF15-3 pumps.
Inlet Compressed Air Hose Assembly, 1/2" ID Hose w/ 3/8" ID Orifice Fittings	ED1313B-50 (50 FT) ED1313B-100 (100 FT)	4240-01-251-8159 4240-01-251-8160	EA EA	Only use for supplying compressed air to air motor on breathing unit. These inlet hose assemblies can be used with both RhineAir and Bullard units.
Replacement Inlet Hose, Quick Disconnect Fittings	3L25 (Male Plug) 3R25 (Female Coupler)	4730-01-442-1809 4730-01-442-1808	EA EA	Replacement fittings for the ED1313B inlet air hose assembly.
Outlet Manifold, Quick Disconnect (Female Coupler Assembly)	ED-06-430	Open Purchase (RhineAir)	EA	Connects respirator air hose assembly to breathing pump. Can be used with both Rhine-Air and Bullard units.
Gloves, Cloth, Vinyl Dipped, Chemical and Oil Protective (Black)	A-A-50370 (supersedes MIL-G-82253) Medium Large Universal (one size)	8415-00-916-2817 8415-00-916-2818 8415-00-935-2833	PR PR PR	General purpose protective wear to protect hands from chemicals and oils. Rubberized for better grip.
Gloves, Rubber, Industrial (Black)	MIL-G-12223 X-Small (Size 8) Small (Size 9) Medium (Size 10) Large (Size 11) X-Large (Size 12)	8415-00-753-6550 8415-00-753-6551 8415-00-753-6552 8415-00-753-6553 8415-00-753-6554	PR PR PR PR PR	Heavy duty protective wear for hands while handling solvents, chemical paint removers, paints, sealants, or other materials which may be injurious to the skin. Gloves are not designed for electrical or chemical warfare activities.
Gloves, Chemical and Oil Protective, Abrasion Resistant (Green)	MIL-G-87066 X-Small (Size 7) Small (Size 8) Medium (Size 9) Large (Size 10) X-Large (Size 11)	8415-01-147-6263 8415-01-147-9540 8415-01-012-9294 8415-01-013-7382 8415-01-013-7384	PR PR PR PR PR	Protective wear for hands during aircraft detergent wash operations.
Gloves, Disposable, Nitrile Rubber, Pre-Powdered, Ambidextrous (Light blue)	Small Medium Large X-Large	8415-01-352-6556 8415-01-352-6553 8415-01-352-6554 8415-01-352-6555	PG (2000 EA) PG (2000 EA) PG (100 EA) PG (100 EA)	General purpose protective wear for hands.
Gloves, Disposable, Latex Rubber, Pre-Powdered, Ambidextrous (Natural)	A-A-53513 (supersedes MIL-G-36592) Small Medium Large	6515-01-365-6183 6515-01-364-8553 6515-01-364-8554	PG (100 EA) PG (100 EA) PG (100 EA)	General purpose protective wear for hands.

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See SUPP C Table 3-5. Safety Equipment (Cont.)

Nomenclature	Specification/Part No.	National Stock Number	Unit of Issue	Intended Use
Coveralls, Cotton, Hook-Pile Fastener Tape (Green)	MIL-C-2202 Small (Size 42) Medium (Size 46) Large (Size 50) X-Large (Size 54) XX-Large (Size 58)	8405-00-131-6507 8405-00-131-6508 8405-00-131-6509 8405-00-131-6510 8405-00-131-6511	EA EA EA EA EA	Protective clothing for corrosion maintenance personnel.
Coveralls, One-piece, Disposable, Fire Resistant and Water Repellent (White)	A-A-50358 X-Small Small Medium Large X-Large XX-Large	8415-00-601-0792 8415-00-601-0793 8415-00-601-0794 8415-00-601-0797 8415-00-601-0801 8415-00-601-0802	EA EA EA EA EA EA	Protective clothing for corrosion maintenance personnel to protect against dirt, grease, paint, and low-hazard contaminants.
Coveralls with Hood and Bootees, Disposable, "Bunny Suit" (White)	A-A-55196 Type I (supersedes MIL-C-87069) Small/Medium Large/X-Large XX-Large	8415-01-445-6565 8415-01-445-6568 8415-01-445-6588	EA EA EA	Protective clothing for corrosion maintenance personnel. Suitable for clean room use.
Face Shield, Industrial, Adjustable	A-A-1770 (supersedes L-F-36) Plastic (9" x 18" window)	4240-00-542-2048	EA	Protection of eye and face when cutting, grinding, or chipping metal or when handling hazardous chemicals. <b>NOTE</b> Face shield is not for primary protection and should always be used with goggles.
Goggles, Plastic, Safety-type (adjustable headband)	A-A-1110	4240-00-052-3776	PR	Eye protection. Can be worn over eyeglasses. Goggles are ventilated to reduce fogging.
Earplugs, Disposable, Vinyl foam material (Yellow)		6515-00-137-6345	BX(400)	Hearing protection.
Hearing Protector (Head-phone style with extra set of seals)	A-A-58084	4240-00-022-2946	EA	Hearing protection. Fits securely over ears to help prevent hearing loss or damage in loud work areas
Aural Protector	MIL-A-23899 Ear Muffs Replacement Seal	4240-00-759-3290 4240-00-979-4040	EA PR	Hearing protection.

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[See SUPP C](#) Table 3-6. Sealing Equipment

Nomenclature	Specification/Part No.	National Stock Number	Unit of Issue	Intended Use
Sealant Dispensing Gun with 2.5 OZ Metal Retainer, Manual	Model 850 Gun (221824)	5120-01-135-8344	EA	Application of sealants and adhesives.
Sealant Dispensing Gun with 6 OZ Metal Retainer, Manual	Model 850 Gun 221830	5120-00-952-3507	EA	Application of sealants and adhesives.
Replacement Retainers for Manual Sealant Guns	Model 850 Retainers 226819 226820	5120-01-247-1639 5340-01-384-6120	EA EA	2.5 OZ metal retainer. 6 OZ metal retainer.
Injectable Sealant Dispenser	UG981108-01	5120-01-494-7678	EA	Used to apply AVDEC Thixoflux Gray Sealant (see Table 2-14).
Sealant Smoothing Tools, Plastic	Sealant Spatulas 231349 226241 226242 226243  Spatula Kit 226244  Sealant Scraper 234350  Sealant Spreader 229394  Comb Spreader 229395	5120-01-337-9415 5120-01-297-7015 5120-01-297-7016 5120-01-297-7017  5120-00-056-3237  5120-01-298-6121  5120-01-337-9416  5120-01-553-5917	EA EA EA EA  KT  EA  EA  EA	Spatulas and spreaders for tooling and smoothing sealants and adhesives.  The kit includes spatulas with P/Ns: 226241, 226242, and 226243.  Used for sealant removal from all surfaces.  Used for spreading sealants or adhesives onto flat surfaces.  Used to spread sealants or adhesives while maintaining a uniform thickness.
Mechanical Balance Beam (Dial-O-Gram Balance)	1650	6670-00-957-3781	EA	Use for weighing out the proper ratio of base and accelerator to prepare sealant.
Mixing Stick, Sealant, Wooden	321 or 706 (6" L x 3/4" W)	6515-00-324-5500	PG (12, 100 BX)	Use for hand mixing small amounts of sealants.
Mixing Cup, Sealant, Plastic Coated Paper	A-A-2577 Type II Style A Class 3 (supersedes UU-C-806) 8 OZ	7350-00-641-4520	BX (1000)	Use for hand mixing small amounts of sealants.
Sealing Machine, Electric Jaw	A-A-2953 6" jaw 14" jaw	3540-00-293-0377 3540-00-299-9811	EA EA	Used to seal heat sealable, flexible transparent/translucent packaging films

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## CHAPTER 4 SPECIAL AVIONIC EQUIPMENT

**4-1. INTRODUCTION.** Table 4-1 describes the special cleaning equipment used in the avionic corrosion control work center. Pending standardization of support equipment used for avionic cleaning, only equipment that meets the specifications of Table 4-1 shall be used for avionics cleaning track processes described in Volume III.

Table 4-1. Special Support Equipment for Avionics Cleaning

Nomenclature	Characteristics
Aqueous Ultrasonic Cleaner	<p><b>Tank dimensions:</b> 18" wide x 30" long x 18" deep</p> <p><b>Overall dimensions:</b> 20" wide x 32" long x 40" high</p> <p><b>Power requirements:</b> Single phase/115V/60 Hz/60A</p> <p><b>Operating frequency:</b> 20 to 21 KHz (internally adjusted) at an average power of 1500 watts (RMS)</p> <p><b>Operating temperature:</b> 130° F (54° C)</p> <p><b>Temperature range:</b> 90° F (32° C) to 150° F (66° C)</p>
Solvent Ultrasonic Cleaner	<p><b>Ultrasonic tank dimensions:</b> 12" wide x 8" long x 12" deep</p> <p><b>Vapor degreaser tank dimensions:</b> 12" wide x 8" long x 12" deep</p> <p><b>Overall dimensions:</b> 48" wide x 60" long x 47" high</p> <p><b>Power requirements:</b> Single phase/ 230V/50-60Hz/39A</p> <p><b>Operating frequency:</b> 40 KHz (internally set) at an average power of 500 watts (RMS)</p> <p><b>Operating temperature:</b> 107° F (42° C)</p> <p><b>Temperature range:</b> 90° F (32° C) to 150° F (66° C)</p>

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**SUPPLEMENT**

**TECHNICAL MANUAL**

**CLEANING AND CORROSION CONTROL**

**VOLUME V  
CONSUMABLE MATERIALS AND  
EQUIPMENT FOR AVIONICS**

This publication supplements TO 1-1-689-5 dated 1 July 2009. Reference to this supplement will be made on the title page of the basic manual by personnel responsible for maintaining the manual in current status.

This publication incorporates TO 1-1-689-5C, dated 30 May 2007.

COMMANDERS ARE RESPONSIBLE FOR BRINGING THIS SUPPLEMENT TO THE ATTENTION OF ALL AFFECTED PERSONNEL.

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**TO 1-1-689-5C**

1. On page 2-1, paragraph 2-1, of the basic manual is amended to replace AFRL/MLS-OLR with AFRL/RXSSR.
2. On page 2-1, paragraph 2-3 title, of the basic manual is amended to replace QUALIFIED PRODUCTS LIST with QUALIFIED PRODUCTS LIST/QUALIFIED PRODUCTS DATABASE.
3. On page 2-1, paragraph 2-3, line one, of the basic manual is amended to replace The Qualified Products List (QPL) with The Qualified Products List (QPL) and The Qualified Products Database (QPD).
4. On page 2-1, paragraph 2-3, line four, of the basic manual is amended to replace QPL with QPL/QPD.
5. On page 2-1, paragraph 2-3, line five, of the basic manual is amended to replace QPLs with QPL/QPDs.
6. On page 2-2, table 2-1, Specification/Part No. column, Glass Beads row, of the basic manual is amended to replace MIL-G-9954 with MIL-PRF-9954.
7. On page 2-4, table 2-3, Specification/Part No. column, Aircraft Cleaning Compound (Air Force Only) row, of the basic manual is amended to delete Type II (for light to medium soils).
8. On page 2-4, table 2-3, National Stock Number column, Aircraft Cleaning Compound (Air Force Only) row, of the basic manual is amended to delete 6850-01-429-2371.
9. On page 2-4, table 2-3, Unit of Issue column, Aircraft Cleaning Compound (Air Force Only) row, of the basic manual is amended to delete DR (55 GL).
10. On page 2-4, table 2-3, National Stock Number column, Aircraft Cleaning Compound (Air Force Only) row, of the basic manual is amended to delete 6850-01-339-5227.
11. On page 2-4, table 2-3, Unit of Issue column, Aircraft Cleaning Compound (Air Force Only) row, of the basic manual is amended to delete CN (5 GL).
12. On page 2-4, table 2-3, National Stock Number column, Aircraft Cleaning Compound (Air Force Only) row, of the basic manual is amended to delete 6850-01-390-7827.
13. On page 2-4, table 2-3, Unit of Issue column, Aircraft Cleaning Compound (Air Force Only) row, of the basic manual is amended to delete GL.
14. On page 2-4, table 2-3, Intended Use column, Aircraft Cleaning Compound (Air Force Only) row, line three, of the basic manual is amended to replace Both types are concentrates and must be diluted with water prior to use with Solution is a concentrate that must be diluted with water prior to use.
15. On page 2-7, table 2-6, last entry of Specification/Part No. column, of the basic manual is amended to delete Red.
16. On page 2-7, table 2-6, last entry of National Stock Number column, of the basic manual is amended to delete 8040-00-902-3871.
17. On page 2-7, table 2-6, last entry of Unit of Issue column, of the basic manual is amended to delete KT (3OZ).
18. On page 2-14, table 2-13, National Stock Number 8010-01-414-8446, Units of Issue Column, of the basic manual is amended to replace KT (2 QT) with KT (1 GL).
19. On page 2-14, table 2-13, National Stock Number 8010-01-419-1150, Units of Issue Column, of the basic manual is amended to replace KT (1 GL) with KT (2 QT).

20. On page 2-21, table 2-14, of the basic manual is amended to add (Injectable Sealing Compound, Self Leveling) preceding Sealing Compound:

Nomenclature	Specification/ Part No.	National Stock Number	Units of Issue	Intended Use
Injectable Sealing Compound, Self Leveling	HT-3326-5-50 COLOR Green	8030-01-494-9650	CA (50cc)	For sealing antenna connector bases in conjunction with polyurethane gasket installation. Non hazardous. Application temperature must be greater than 55 °F. Cures in 30-40 minutes (at 77 °F). Service temperature -60 °F to 206 °F.

21. On page 2-25, table 2-17, of the basic manual is amended to add (HI-TAK Connector Sealing Tape, Stretch Seal) preceding Insulating Tape, Electrical:

Nomenclature	Specification/ Part No.	National Stock Number	Units of Issue	Intended Use
HI-TAK Connector Sealing Tape, Stretch Seal	EN110589-01	8030-01495-1842	EA (1" x 7" with cable ties)	Corrosion protection for mated antenna connectors/cables Non hazardous
	EN110589-03	5935-01-523-0057	EA (1" x 7" with string ties)	

22. On page 3-1, paragraph 3-1, of the basic manual is amended to replace AFRL/MLS-OLR to read AFRL/RXSSR.

23. On page 3-4, table 3-2, last entry of Specification/Part No. column, of the basic manual is amended to replace MIL-C-83756 Type I with MIL-PRF-83756 Type I.

24. On page 3-6, table 3-4, Specification/Part No. column, Compressed Air Separator (air regulator assembly) row, of the basic manual is amended to replace MIL-S-12928 with A-A-59436 (supersedes MIL-S-12928).

25. On page 3-9, table 3-5, Specification/Part No. column, Aural Protector row, of the basic manual is amended to replace MIL-A-23899 with SAE-AS23899 (supersedes MIL-A-23899).

26. On page 3-10, table 3-6, of the basic manual is amended to add (Injectable Sealant Dispenser) preceding Sealant Dispensing Gun with 6 OZ Metal Retainer, Manual:

Nomenclature	Specification/ Part No.	National Stock Number	Units of Issue	Intended Use
Injectable Sealant Dispenser	UG981108-01 (50cc)	5120-01-494-7678	EA	Use for applying Av-DEC injectable sealants.

THE END

