

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

TECHNICAL MANUAL

CLEANING AND CORROSION CONTROL

VOLUME V CONSUMABLE MATERIALS AND EQUIPMENT FOR AVIONICS

This publication supersedes NAVAIR 01-1A-509/TM 1-1500-344-23, dated 1 May 2001
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LIST OF TECHNICAL PUBLICATIONS DEFICIENCY REPORTS INCORPORATED

Report Control Number (RCN)	Location	Report Control Number (RCN)	Location
NATEC Det New Orleans			
30338 2002 N065	Pg A-4		
30338 2002 N071	Pg A-3		
30338 2003 N072	Pg A-8		

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CHAPTER 1 INTRODUCTION

This volume was prepared under the technical cognizance of the
Chemistry and Materials Division, NAVAIR China Lake, China Lake, California.

1-1. GENERAL. Consumable materials and equipment listed in this volume shall be used for corrosion control. These 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 aircraft or 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 (Air Force).

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 an equivalent for an application/procedure is not referenced herein, contact your service representative for approval: Air Force Corrosion Prevention and Control Office, AFRL/MLS-OLR, Robins AFB, GA.

2-2. ARRANGEMENT OF CHAPTER. Chapter 2 lists consumable materials used for avionics cleaning and corrosion control. Nomenclature, specifications/part numbers, national stock numbers (NSNs), units of issue (U/I), and intended use of materials are provided. Items are located 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 Pads/Cloths.
- e. Table 2-5. Conformal Coatings.
- f. Table 2-6. Corrosion Preventive Compounds.
- g. Table 2-7. Lubricants.
- h. Table 2-8 Masking Materials.
- i. Table 2-9. Neutralizing Agents.
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- k. Table 2-11. Paint Removers.
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- n. Table 2-14. Paints – Topcoats.
- o. Table 2-15. Potting Compounds.

- p. Table 2-16. Sealants.
- q. Table 2-17. Solvents.
- r. Table 2-18. Tapes.
- s. Table 2-19. Tracers/Indicators.

2-3. 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.

2-4. LOCAL PURCHASE. When local purchase is specified, include all procurement information, source of supply, and GSA contract number if available.

2-5. LOCAL REGULATIONS. Prior to the procurement/use of any specified products, comply with all local safety and environmental requirements, laws, and regulations.

2-6. UNIT OF ISSUE. The unit of issue abbreviations are as follows:

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

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Table 2-1. Abrasives

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Abrasive Cloth	ANSI-B74.18			Removal of heavy corrosive products from steel, iron, aluminum and magnesium structures, mountings, racks, chassis, covers; scuff sanding of avionic boxes prior to painting. CAUTION Do not substitute Silicon Carbide Abrasive Cloth.
Abrasive Mat	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.
Abrasives Paper, Aluminum Oxide, Screen-Type (Brown)	P/N: 830-DMS240HV P/N: 830-DMS320HV P/N: 860-DMS240HV P/N: 860-DMS320HV P/N: 834-DMS240HV P/N: 834-DMS320HV P/N: 837-DMS240HV P/N: 837-DMS320HV P/N: 828-G240HV P/N: 828-G320HV	5345-01-521-4926 5345-01-521-6602 5345-01-521-4548 5345-01-521-4541 5345-01-521-4536 5345-01-521-4537 1HS099-LL-H61-2752 5345-01-521-4929 1HS0000-LL-CQA-8308 1HS0000-LL-CQA-8309	PK (250) PK (250) 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. 240 grit abrasive sheets for 3" x 3 1/4" triangular sander. 320 grit abrasive sheets for 3" x 3 1/4" triangular sander.
Eraser	A-A-132 2.75" x 0.25" x 0.875" 2.625" x 0.5" x 0.875" Pencil Shape Typewriter Style	7510-00-223-7046 7510-00-949-5055 7510-00-582-3756 7510-00-619-7714	DZ DZ DZ DZ	Removal of medium tarnish on silver. Removal of medium corrosion on copper, zinc, nickel. For brightening of gold. CAUTION Only to be used if component is sufficiently rigid to resist rubbing motion. Typewriter eraser can be used for removal of heavy tarnish on silver and removal of heavy corrosion on copper, zinc, and nickel. CAUTION Care should be taken not to remove thinly plated surfaces.
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.

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Table 2-2. Chemical Conversion Coating Materials

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Chemical Conversion Coating for Aluminum and Its Alloys (non-ferricyanide catalyzed)	MIL-DTL-81706 Class 1A & 3 Form II (powder)	8030-00-811-3723	BT (2 LB)	Non-ferricyanide conversion coating for the treatment of clean, bare aluminum to impart a chromate oxide coating.
	Alodine 600	8030-01-018-2838	CO (10 LB)	
	Turcoat Alumigold	8030-01-341-8609	CB (60 LB)	
Chemical Conversion Coating for Magnesium and its Alloys	AMS-M-3171 Type VI	8030-01-512-2416	CS (12 KT)	Treatment of clean, bare magnesium.
Touch-N-Prep (TNP) Pen	Alodine 1132	8030-01-460-0246	CS (12)	Clean and easy to use method for applying chemical conversion coating to aluminum in accordance with MIL-DTL-81706 Class 1A and 3. Ideal for touch up of small areas.

Table 2-3. Cleaning Compounds

Nomenclature	Specifications/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 Type IV	6850-01-339-5228 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.
Cleaning Compound, Solvent	CT-1	6850-01-394-2629 6850-01-394-2633 6850-01-394-2631	DR (55 GL) CN (5 GL) GL	For use with CHEM-TECH Track 8 cleaning.
Cleaning Compound, Solvent	CT-2L	6850-01-394-2627 6850-01-394-2630	DR (55 GL) CN (5 GL)	For use with CHEM-TECH Track 8 cleaning.
Cleaning and Cleaning-Lubricating Compounds, Electrical Contact, Low ODP	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 OZ aerosol) BX CN (12 OZ can) CN (12 OZ can)	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 Pads/Cloths

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Lint-Free Cloth	MIL-C-24671 Type I Class A Class B Class C Type II Class A Class B Class C	7920-01-335-5068 7920-01-498-8072 7920-01-335-5069 7920-01-498-8068 7920-01-498-8082 7920-01-408-5474 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) 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. CAUTION Not to be used with solvents having a flash point of <100° F (38° C); may result in fire.
Cheesecloth, 100% Cotton	A-A-1491 Type I (Grade #90) Type II (Grade #50) Type III (Grade #10)	8305-00-262-3321 8305-00-205-3495 8305-00-205-3496 8305-01-125-0725	BO (36" X 50 YD) BO (36" X 100 YD) PG (36" X 10 YD) PG (36" X 5 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, Cotton	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. NOTE Only authorized cloth to be used for cleaning plastic and acrylics with solvents with a flash point <100° F (38° C).
Cleaning and Scouring Pad, Non-metallic	A-A-3100 Type I	7920-00-151-6120	PG (10 EA)	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	P/N: 840507	9920-00-292-9946	BX (1344 EA)	Cleaning small orifices and crevices.

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Table 2-5. Conformal Coatings

Nomenclature	Specifications/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 COLOR Type I (Paste) Clear White Gray Red Type II (Liquid, self-leveling) Clear Clear Gray Type III (High strength) Clear White Gray Gray Red	8040-01-394-3735 8040-01-331-7133 8040-00-118-2695 8040-00-145-0020 8040-01-308-4963 8040-01-331-7127 8040-01-441-0671 8040-01-375-4805 8040-00-117-8510 8040-01-157-9469 8040-01-450-6545 8040-01-275-5052 8040-00-902-3871	TU (3 OZ) TU (3 OZ) KT (3 OZ) TU (3 OZ) TU (3 OZ) TU (3 OZ) KT (3 OZ) TU (3 OZ) TU (3 OZ) TU (3 OZ) TU (3 OZ) KT (3 OZ) KT (3 OZ)	Also known as 738 RTV: For coating and patching RTV coated circuit boards and components. NOTE: Not flowable into crevices and hard to reach areas.
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 can)	Moisture and fungus resistant varnish for electrical equipment and for clear coating on copper. For coating and patching of varnish coated circuit boards. Thinner: Thinner, Synthetic, Resin, Enamels, ASTM D263.

Table 2-6. Corrosion Preventive Compounds

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Water-displacing Corrosion Preventive Compound, Ultra Thin Film	MIL-PRF-81309 Type II Class 1 Class 2 Type III Class 1 Class 2	8030-00-213-3279 8030-00-938-1947 8030-01-347-0978 8030-00-546-8637	GL CN (16 OZ aerosol) GL CN (16 OZ aerosol)	Type II: Water displacing CPC which may be applied by dipping spraying, brushing, or from pressurized containers. Suitable for use on any metal surface for indoor and short-term outdoor protection where surfaces can be recoated. Type III: Water displacing CPC 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)	Preservative material, thin, transparent film. For use on equipment racks, mounts, exposed hardware. For use on exterior surface of electrical plugs and connectors. Not intended as a water-displacing compound.
Corrosion Preventive Compound, Water Displacing, Clear (AMLGUARD)	MIL-DTL-85054 Type I (Self Pressurized Spray) Type II (Bulk form)	8030-01-066-3971 8030-01-347-0980 8030-01-347-0983 8030-01-347-0981 8030-01-347-0982	CN (12 OZ Aerosol) CN (14 OZ Aerosol) BT (32 OZ Sprayer) QT (32 OZ Can) CN (5 GAL)	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.
Lubricant, Water Displacing, Synthetic (Air Force Only)	MIL-L-87177 Grade B Type I Type II	9150-01-328-3617 9150-01-326-7294	CN (16 OZ aerosol) CN (5 GL)	For corrosion protection on electrical plugs and connectors.

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Table 2-7. Lubricants

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Lubricant, Cleaner, and Preservative for Weapons and Weapons Systems	MIL-PRF-63460	9150-01-079-6124 9150-01-054-6453 9150-01-327-9631 9150-01-053-6688	BT (4 OZ) PT (16 OZ) QT (32 OZ) GL	
Damping Fluid, Lubricant, Dimethyl Polysiloxane Silicone	VV-D-1078 Grade 100 cst Grade 100,000 cst	9150-00-269-8246 9150-00-404-3435 9150-00-292-9609	LB DR (55 GL) LB	Lubricant for use on small switches and potentiometers where a residual lubricant is required after cleaning.
Lubricating Oil, General Purpose, Preservative	MIL-PRF-32033 (formerly VV-L-800)	9150-00-231-6689 9150-00-231-9045 9150-00-231-9062 9150-00-231-8146 9150-00-273-2389 9150-00-281-2060 9150-00-458-0075 9150-00-836-8641 9150-01-374-2021	QT GL CN (5 GL) OZ CN (4 OZ) DR (55 GL) CN (16 OZ) DZ (12, 0.5 OZ plastic squeeze bottles) PT (16 OZ bottle with trigger sprayer)	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.

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Table 2-8. Masking Materials

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Paper, Kraft, Untreated	A-A-203			Protection of surrounding areas during paint spray operations.
	Style 1 (Rolls)			
	50 lb weight	8135-01-337-5370	RO (3' X 200')	
	60 lb weight	8135-00-160-7768	RO (3' X 820')	
	70 lb weight	8135-00-160-7771	RO (3' X 700')	
	80 lb weight	8135-00-160-7776	RO (3' X 615')	
	Style 1 (Sheets)			
	30 lb weight (850 sheets)	8135-00-290-3408	SH (2' X 3')	
	70 lb weight (200 sheets)	8135-00-290-5504	SH (3' X 4')	

Table 2-9. Neutralizing Agents

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Sodium Phosphate, Monobasic	ANSI/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 Technical	ASTM D928 (supercedes A-A-374)	6810-00-264-6618 6810-00-297-0092	BX (1 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) CN (5 LB) BG (25 LB)	For neutralizing electrolyte leakage from nickel-cadmium batteries.
Ammonium Hydroxide, Technical	A-A-59370 (supercedes O-A-451)	6810-00-584-3793 6810-00-817-9929	PT GL	Used to assist in dissolving Indicator, Bromothymol Blue Reagent (see Table 2-19).

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Table 2-10. Packaging/Protective Materials

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Cushioning Material, Resilient, Low Density, Unicellular Polypropylene	PPP-C-1797 Type 1 0.125" thick 450 ft x 72" 450 ft x 24" 450 ft x 12 " 0.25" thick 225 ft x 30 " 225 ft x 24 " 225 ft x 12" 225 ft x 72" 225 ft x 72"	8135-01-013-1824 8135-00-129-9523 8135-00-300-4904 8135-00-300-4905 8135-00-601-9221 8135-00-601-9224 8135-01-008-8099 8135-01-286-6449	RO BD (3 RO) BD BD (3 RO) BD (4 RO) RO RO RO	Lint-free, non-dusting, non-abrasive. For cushioning equipment, and protection against shock. Provides protection against moisture. Use in conjunction with Barrier Material water vapor proof, MIL-PRF-131. Seal with Pressure Sensitive Tape, SAE AMS-T-22085 (see Table 2-18).
Cushioning Material, Plastic Open Cell	A-A-3129 (supercedes PPP-C-1842) 0.25" thick Style A Type 3 500 ft x 24" 375 ft x 24" Type 1 Style B Class 1 Grade B 500 ft x 24" 500 ft x 6" 500 ft x 48" 500 ft x 12" Type 1 Style B Class 2 Grade B 375 ft x 12" 375 ft x 48" 375 ft x 6" 0.125" Thick Type 1 Style B Class 1 Grade B 625 ft x 48" 625 ft x 24" 625 ft x 12" 625 ft x 6"	8135-01-087-3599 8135-01-087-3602 8135-01-057-3603 8135-01-057-3605 8135-01-057-3607 8135-01-088-3849 8135-01-087-3603 8135-01-088-3850 8135-01-088-3851 8135-01-088-3845 8135-01-088-3846 8135-01-088-3847 8135-01-088-3848	BD (2 RO) BD (2 RO) BD BD RO BD (4 RO) BD (4 RO) BD BD (8 RO) BD BD (2 RO) BD BD (8 RO)	Used for cushioning and wrapping equipment.
Cushioning Material, Flexible, Closed Cell Plastic Film (Bubble Wrap)	PPP-C-795 0.5" thick 250 ft x 48" 250 ft x 24" 0.188" thick 500 ft x 12" 500 ft x 16" 500 ft x 24" 500 ft x 48" 45 ft x 48" 0.312" thick 375 ft x 24"	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 BD BD BD RO RO BD (2 RO)	For cushioning equipment and protection against shock. Provides limited protection against moisture. Seal with Pressure Sensitive Tape, SAE AMS-T-22085 (see Table 2-18).

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Table 2-10. Packaging/Protective Materials (Cont.)

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
ESD Fast Pack Container (Reusable Box With Cushioning)	PPP-B-1672 Type II Style D 6" x 5" x 2.5" 18" x 12" x 3.5" 18" x 12" x 2.5" 13" x 13" x 3.5" 10" x 10" x 3.5" 16" x 16" x 3.5" 24" x 16" x 3.5" 6" x 9" x 4.5"	8115-00-787-2142 8115-01-019-4084 8115-01-019-4085 8115-01-057-1243 8115-01-057-1244 8115-01-057-1245 8115-01-093-3730 8115-01-499-0898	EA EA EA EA EA EA EA EA	For storage/shipment of avionic/electronic equipment.
Polyethylene Foam	A-A-59135 Class A	8135-01-059-4636 8135-01-508-3702	RO(450 ft x 60", 0.125" thick) SH (0.188" thick)	For cushioning equipment and protection against shock on shelves, work benches, pallets. Use double layers for heavy equipment.
Polyethylene Foam	A-A-59136 Type 1 Class 1 Grade B	8135-01-440-6560	SH (120" x 36", 0.5" thick)	For cushioning equipment and protection against shock on shelves, work benches, pallets. Use double layers for heavy equipment.
Bags, Plastic (General Purpose)	MIL-DTL-81997 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.
Barrier Material, Flexible, Electrostatic Protective, Heat Sealable	MIL-PRF-81705 Type I 3' x 600' 3' 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 (sheet) EA (sheet)	To provide ESD/EMI packaging protection for hardware and components. May be used for long or short term protection. Seal with heat seal.
Barrier Material, Water Vapor Proof, Greaseproof, Flexible, Heat Sealable	MIL-PRF-131 Class 1	8135-00-282-0565 8135-01-499-5302	RO (36" x 200 YD) RO (72" x 200 YD)	For protecting miniature and microminiature circuit components, laminated circuit boards, and critical avionic components, against moisture and contamination. Heat sealable, protects material during transportation and storage under all weather conditions.

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Table 2-11. Paint Removers

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Epoxy Paint Remover	MIL-R-81294 Type I Class 1 (phenolic)	8010-00-142-9273 8010-00-181-7568 8010-00-926-1488 8010-00-926-1489	PT GL CN (5 GL) DR (55 GL)	Removal of paint finishes from metal surfaces.
	Class 2 (non-phenolic)	8010-01-261-6067	CN (5 GL)	

Table 2-12. Paint Thinners

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Thinner	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. CAUTION: Do not use in lacquers.
Thinner, Aliphatic Polyurethane	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 8010-01-247-8880	GL DR (55 GL)	
Thinner, Acrylic Nitrocellulose Lacquer	A-A-857	8010-00-160-5786 8010-00-165-5540 8010-00-160-5787 8010-00-160-5788 8010-00-160-5789	PT QT GL CN (5 GL) DR (55 GL)	For thinning MIL-PRF-81352 lacquers, MIL-PRF-22750 epoxy topcoats, and MIL-PRF-23377 primer.

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Table 2-13. Paints – Primers

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Primer, Epoxy, High Solids (340 g/l VOC max.)	MIL-P-23377 Type I (Yellow) Class C	8010-01-441-6030 8010-01-387-1033 8010-01-387-1069 8010-01-316-2552 8010-01-416-6556 8010-01-416-6557 8010-01-441-5849 8010-01-495-8652 8010-01-528-4864	EA (SEMPEN) KT (2 OZ) KT (6 OZ) KT (1 PT) KT (4 PT) KT (1 GL) KT (4 GL) EA (2 OZ BT) CS (6 Aerosol CN)	Primer coating used with polyurethane topcoat MIL-PRF-85285 and epoxy topcoat MIL-PRF-22750. Use MIL-PRF-23377 Type II as a primer for exterior surfaces requiring tactical or camouflage (flat) paint finish systems. Type II may also be used as an alternate for Type I materials.
	Type II (Green) Class C	8010-01-441-6031 8010-01-439-0683 8010-01-437-8657 8010-01-417-1215 8010-01-312-1172 8010-01-495-8653	EA (SEMPEN) KT (3 OZ) KT (4 PT) KT (1 GL) KT (2 GL) EA (2 OZ BT)	
Primer, Epoxy, Waterborne (340 g/l VOC max.)	MIL-PRF-85582 Type I Class C1 (Barium) Interior (light green)	8010-01-472-4489 8010-01-441-6142 8010-01-218-0856 8010-01-218-7354 8010-01-496-0705	KT (1 PT) KT (1 QT *) KT (1 QT**) KT (2 GL) EA (2 OZ BT)	Primer coating used with polyurethane topcoat MIL-PRF-85285 and epoxy topcoat MIL-PRF-22750. Use MIL-PRF-85582 Type II as a primer for exterior surfaces requiring tactical or camouflage (flat) paint finish systems. Type II may also be used as an alternate for Type I materials. NOTE: * after thinning with water (Dilute) ** before thinning with water (Concentrate)
	Type I Class C2 (Strontium)	8010-01-441-6032 8010-01-467-0160 8010-01-292-8894 8010-01-292-8893 8010-01-496-0695	EA (SEMPEN) KT (1 PT) KT (1 QT**) KT (2 GL) EA (2 OZ BT)	
	Type II Class C1 Exterior (dark green)	8010-01-441-6141 8010-01-218-0858 8010-01-218-0857 8010-01-496-0706	KT (1 QT *) KT (1 QT**) KT (2 GL) EA (2 OZ BT)	
	Type II Class C2	8010-01-441-6033 8010-01-266-6576 8010-01-294-7782 8010-01-294-7781 8010-01-496-0698	EA (SEMPEN) KT (1 PT) KT (1 QT) KT (2 GL) EA (2 OZ BT)	

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Table 2-14. Paints – Topcoats

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Topcoat, Epoxy, High-Solids (340 g/l VOC max.)	MIL-PRF-22750			Use as topcoat on all avionic equipment.
	GLOSS			NOTE
	Clear	-----	8010-01-313-8702	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.)
		-----	8010-01-419-1143	
		-----	8010-01-419-1141	
		-----	8010-01-313-8703	
	Gray, Engine	16081	8010-01-419-1167	KT (1 QT)
			8010-01-441-5898	KT (2 QT)
			8010-01-419-1166	KT (4 QT)
				KT (2 GL)
	Gray, Gull	16440	8010-01-441-5899	KT (2 QT)
			8010-01-419-1163	KT (1 QT)
	Gray, Light	16473	8010-01-414-8423	KT (2 QT)
	Black	17038	8010-01-441-5900	KT (2 QT)
			8010-01-419-1154	KT (1 QT)
			8010-01-419-1165	KT (2 QT)
	White	17875	8010-01-414-8439	KT (4 QT)
	White, Insignia	17925	8010-01-441-5905	KT (2 QT)
			8010-01-419-1153	KT (1 QT)
			8010-01-419-1164	KT (2 QT)
			8010-01-313-8701	KT (4 QT)
			8010-01-419-1159	KT (2 GL)
	SEMI GLOSS			
	Gray	26231	8010-01-414-8428	KT (1 QT)
				KT (2 QT)
	Gray	26307	8010-01-441-5916	KT (1 QT)
			8010-01-414-8429	KT (2 QT)
	Gray, Light	26492	8010-01-414-8445	KT (2 GL)
	FLAT			
	Gray, Dark	36081	8010-01-441-6080	KT (1 QT)
				KT (4 QT)
	Gray	36099	8010-01-414-8434	KT (2 QT)
	Gray	36231	8010-01-441-5921	KT (1 QT)
			8010-01-414-8446	KT (2 QT)
			8010-01-419-1150	KT (1 GL)
	Gray	36320	8010-01-441-5924	KT (1 QT)
			8010-01-419-1155	KT (2 QT)
			8010-01-419-1140	KT (1 GL)
	Gray	36375	8010-01-441-5930	KT (1 QT)
			8010-01-419-1152	KT (2 QT)
			8010-01-419-1146	KT (1 GL)
	Gray, Gull	36440	8010-01-414-8447	KT (4 QT)
	Gray, Light	36495	8010-01-441-5931	KT (1 QT)
			8010-01-419-1149	KT (2 QT)
			8010-01-419-1144	KT (1 GL)
	Black	37038	8010-01-441-5932	KT (1 QT)
			8010-01-419-1142	KT (2 QT)
			8010-01-414-8443	KT (1 GL)
	Insignia White	37875	8010-01-414-8435	KT (2 QT)

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Table 2-14. Paints – Topcoats (Cont.)

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Topcoat, Polyurethane, Aircraft Application (420 g/l VOC max.)	MIL-PRF-85285 Type I			Finishing or touch-up of aircraft polyurethane topcoat paint systems. Suitable for use over primers (TT-P-2760, MIL-PRF-23377, and MIL-PRF-85582).
	GLOSS Clear	COLOR -----	8010-01-441-6017	
	Gray, Engine	16081	8010-01-495-3853 8010-01-329-6753 8010-01-329-6302 8010-01-329-6303	
	Gray	16251	8010-01-495-3854	
	Gray, Light	16440	8010-01-459-9699 8010-01-495-3855 8010-01-285-3045 8010-01-285-3046 8010-01-265-9142 8010-01-528-4842	
	Gray, Light	16473	8010-01-441-6020 8010-01-495-3856 8010-01-336-3033 8010-01-336-3032 8010-01-528-4844	
	Black	17038	8010-01-441-6026 8010-01-495-3860 8010-01-285-3047 8010-01-285-3048 8010-01-285-3033 8010-01-528-4847	
	White, Insignia	17875	8010-01-468-7513	
	White, Insignia	17925	8010-01-441-6029 8010-01-495-3863 8010-01-285-3034 8010-01-285-3035 8010-01-265-9143 8010-01-528-4848	
	SEMI GLOSS Gray	COLOR 26231	8010-01-441-6007 8010-01-285-7285 8010-01-285-2489	
	Gray	26250	8010-01-441-6035	
	Gray	26251	8010-01-441-6034	
	FLAT Gray, Dark	COLOR 36081	8010-01-495-3923 8010-01-397-3974 8010-01-397-3975	
	Gray	36118	8010-01-441-6021 8010-01-495-3927 8010-01-305-5554 8010-01-305-5550 8010-01-305-5551 8010-01-528-4851	
	Gray	36173	8010-01-441-6022 8010-01-348-0385 8010-01-345-6535	
	Gray-Blue	36176	8010-01-441-6012 8010-01-368-7893 8010-01-315-5674	
			EA (SEMPEN)	
			EA (2 OZ BT)	
			KT (1 PT)	
			KT (2 QT)	
			KT (2 GL)	
			EA (2 OZ BT)	
			EA (SEMPEN)	
			EA (2 OZ BT)	
			KT (1 PT)	
			KT (2 QT)	
			KT (2 GL)	
			CS (6 Aerosol CN)	
			EA (SEMPEN)	
			EA (2 OZ BT)	
			KT (1 PT)	
			KT (2 QT)	
			KT (2 GL)	
			CS (6 Aerosol CN)	
			EA (SEMPEN)	
			KT (2 QT)	
			KT (2 GL)	
			EA (SEMPEN)	
			EA (SEMPEN)	
			EA (2 OZ BT)	
			KT (2 QT)	
			KT (2 GL)	
			EA (2 OZ BT)	
			KT (2 QT)	
			KT (2 GL)	
			CS (6 Aerosol CN)	
			EA (SEMPEN)	
			KT (2 QT)	
			KT (2 GL)	
			EA (SEMPEN)	
			KT (2 QT)	
			KT (2 GL)	

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Table 2-14. Paints – Topcoats (Cont.)

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
(Cont.)	MIL-PRF-85285 Type I (Cont.)			
	FLAT Gray, Medium	COLOR 36231	8010-01-441-6027 8010-01-495-3931 8010-01-329-6756 8010-01-329-6755 8010-01-466-4323 8010-01-329-6752	EA (SEMPEN) EA (2 OZ BT) KT (1 PT) KT (2 QT) KT (1 GL) KT (2 GL)
	Gray	36251	8010-01-441-6013 8010-01-353-6551	EA (SEMPEN) KT (2 GL)
	Gray	36270	8010-01-441-6023 8010-01-424-3651 8010-01-293-3016 8010-01-424-3648 8010-01-344-3218	EA (SEMPEN) KT (1 PT) KT (2 QT) KT (1 GL) KT (2 GL)
	Gray	36293	8010-01-441-6014 8010-01-380-3284 8010-01-380-3249	EA (SEMPEN) KT (2 QT) KT (2 GL)
	Gray, Medium	36320	8010-01-441-6024 8010-01-495-3935 8010-01-285-3556 8010-01-265-9144 8010-01-265-9152 8010-01-528-4858	EA (SEMPEN) EA (2 OZ BT) KT (1 PT) KT (2 QT) KT (2 GL) CS (6 Aerosol CN)
	Gray, Medium	36375	8010-01-441-6025 8010-01-495-3936 8010-01-285-7287 8010-01-265-9145 8010-01-265-9151 8010-01-528-4860	EA (SEMPEN) EA (2 OZ BT) KT (1 PT) KT (2 QT) KT (2 GL) CS (6 Aerosol CN)
	Gray, Light	36440	8010-01-495-3938 8010-01-285-3551 8010-01-265-9138 8010-01-466-4322 8010-01-265-9150	EA (2 OZ BT) KT (1 PT) KT (2 QT) KT (1 GL) KT (2 GL)
	Gray, Aircraft	36495	8010-01-441-6015 8010-01-495-3940 8010-01-285-3552 8010-01-265-9137 8010-01-265-9149	EA (SEMPEN) EA (2 OZ BT) KT (1 PT) KT (2 QT) KT (2 GL)
	Black	37038	8010-01-441-6028 8010-01-495-3946 8010-01-285-3553 8010-01-397-3980 8010-01-285-3554 8010-01-285-3555 8010-01-397-3983 8010-01-528-4866	EA (SEMPEN) EA (2 OZ BT) KT (1 PT) KT (2 QT) KT (2 QT) KT (2 GL) KT (2 GL) CS (6 Aerosol CN)
	White, Insignia	37875	8010-01-441-6016	EA (SEMPEN)
	White	37886	8010-01-459-9697	EA (SEMPEN)
	White, Insignia	37925	8010-01-495-3952	EA (2 OZ BT)

Gunship Deviation, Low IR

Gunship Deviation, Low IR

Gunship Deviation, Low IR

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Table 2-14. Paints – Topcoats (Cont.)

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Topcoat, 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. In regulated VOC areas, use only coatings conforming to TT-P-2756, MIL-PRF-22750, or MIL-PRF-85285.
	GLOSS	COLOR		
	Clear	-----	8010-00-490-7651	
	Brown	10049	8010-00-935-7061	
	Red	11105	8010-01-029-6349	
	Red, Insignia	11136	8010-00-935-7064 8010-00-935-7063 8010-00-935-7062	
	Orange, International	12197	8010-00-935-7066 8010-00-935-7065	
	Orange-Yellow	13538	8010-00-935-7068 8010-00-935-7067	
	Green, Olive Drab	14084	8010-00-935-7069	
	Green, Olive Drab	14097	8010-00-133-5901	
	Green, Light	14187	8010-00-935-7071 8010-00-935-7070	
	Blue, Dark	15044	8010-00-935-7072	
	Blue	15045	8010-00-490-7649	
	Blue	15102	8010-00-935-7073	
	Gray, Engine	16081	8010-00-935-7075	
	Gray	16440	8010-00-181-7791 8010-01-088-0104	
	Gray, Aircraft	16473	8010-00-935-7076	
	Black	17038	8010-00-935-7078 8010-00-935-7077	
	White, Insignia	17875	8010-00-935-6609 8010-00-935-6608	
	SEMI-GLOSS	COLOR		
	Gray	26373	8010-01-303-0237	
	Gray, Eggshell	26622	8010-01-466-1658	
	Black	27038	8010-00-104-7711	
	White	27875	8010-00-104-7745	
	FLAT	COLOR		
	Brown	30219	8000-00-066-9440	
	Red	31136	8010-00-066-9431	
	Beige	33531	8010-01-306-6677	
	Orange-Yellow	33538	8010-01-157-2292	
	Green, Olive Drab	33070	8010-00-490-7650	
	Green, Olive Drab	34079	8010-00-068-8779	
	Green, Olive Drab	34088	8010-00-144-9998	

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Table 2-14. Paints – Topcoats (Cont.)

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
(Cont.)	MIL-PRF-81352 Type I (Cont.)			
	FLAT	COLOR		
	Green	34102	8010-00-068-8783	CN (1 GL)
	Blue, Insignia	35044	8010-00-066-9430	CN (1 GL)
	Gray-Blue	35237	8010-01-270-3636	CN (1 GL)
	Gray, Dark	36081	8010-01-270-3631	CN (1 GL)
	Gray, Dark	36118	8010-01-270-3632	CN (1 GL)
	Gray	36231	8010-01-124-5048 8010-01-150-9907	CN (16 OZ Aerosol) CN (1 GL)
	Gray, Light	36270	8010-01-270-3633	CN (1 GL)
	Gray, Gull	36440	8010-00-935-7085 8010-00-935-7060	CN (16 OZ Aerosol) CN (1 GL)
	Gray	36118	8010-01-270-3632	CN (1 GL)
	Gray	36320	8010-01-270-3634	CN (1 GL)
	Gray	36492	8010-01-270-3635	CN (1 GL)
	Gray	36622	8010-00-068-8786	CN (1 GL)
	White, Insignia	37875	8010-00-068-8778	CN (1 GL)
	White	37886	8010-01-303-0236	CN (1 GL)
	Black	37038	8010-00-935-7079 8010-00-830-1822	CN (16 OZ Aerosol) CN (1 GL)

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Table 2-14. Paints – Topcoats (Cont.)

Nomenclature	Specifications/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.
	GLOSS	COLOR		
	Red	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)
	FLAT	COLOR		
	Blue-Gray	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)

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Table 2-15. Potting Compounds

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Molding and Potting Compound, Electrical Insulating	MIL-M-24041 Category A Type I	8030-00-862-5159	KT (1 QT)	Protection of electrical connectors from moisture, contamination, and aircraft fluids.
	Type II	5970-01-327-6282 5970-01-382-2409	KT 1(2 OZ) KT (12 OZ frozen)	
	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 KT)	
Adhesive-Sealant, Silicone, RTV, Non-Corrosive, Non-fuel Resistant, Non-corrosive	Type II Amber/Black	5970-01-037-5044	CA (2.5 OZ cartridge)	3145 RTV: For use on sensitive metals and avionic equipment. Sealing areas where temperature is expected to be between 250° F (121° C) and 350° C (177° C).
	Clear	5970-01-328-4893	CA (6 OZ cartridge)	
	MIL-A-46146 Gray (Dow 3145)	8040-00-145-0020 8040-00-938-1535	TU (3 oz) KT (includes primer)	
	Clear (Dow 3145)	5970-01-082-9138	CA (10.3 oz cartridge)	

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Table 2-16. Sealants

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Adhesive-Sealant, Silicone, RTV, Non-fuel Resistant, Non-corrosive	MIL-A-46146 COLOR Type I (Paste) Clear White Gray Red Type II (Liquid, self-leveling) Clear Clear Gray Type III (High strength) Clear White Gray Gray Red	8040-01-394-3735 8040-01-331-7133 8040-00-118-2695 8040-00-145-0020 8040-01-308-4963 8040-01-331-7127 8040-01-441-0671 8040-01-375-4805 8040-00-117-8510 8040-01-157-9469 8040-01-450-6545 8040-01-275-5052 8040-00-902-3871	TU (3 OZ) TU (3 OZ) KT (3 OZ) TU (3 OZ) TU (3 OZ) TU (3 OZ) KT (3 OZ) TU (3 OZ) TU (3 OZ) TU (3 OZ) TU (3 OZ) KT (3 OZ) KT (3 OZ)	For use on sensitive metals and equipment at temperature 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.
Sealing Compound, Synthetic Rubber	MIL-PRF-8516 Type II Class 1 (24 hr cure) Class 2 (48 hr cure) Class 3 (72 hr cure)	8030-00-881-2618 8030-01-371-4022 8030-00-174-2597 8030-00-174-9035 8030-00-297-6677 8030-00-515-2271 8030-00-684-8790	CA (2 OZ) CA (5.75 OZ premixed frozen, 36/case) KT (24 OZ) KT (96 OZ) KT (6 OZ) KT (48 OZ) KT (24 OZ)	For sealing low voltage electrical connectors, wiring and other electrical apparatus against moisture and corrosion where temperature does not exceed 200° F (93° C). Good resistance to gasolines, oils, grease, water and humidity. CAUTION Not authorized for use in engine bays, keel areas or areas adjacent to bleed air ducts.
Sealing Compound	SAE-AMS-S-83318 (supersedes MIL-S-83318)	8030-00474-1419	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 Inhibiting For use from -67 to +500° F (-55 to +260° C)	SAE-AMS 3262 Cho-Bond 1075 Sealant Cho-Bond 1086 Primer PR-2225, B-1 Sealant	8040-01-342-1510 8040-01-188-5038 None Available from PRC-DeSoto International, Inc.	TU (2.5 OZ) Pint (PT) SemKit Cart, 10 OZ	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 in each case for EMI suppression applications.

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Table 2-16. Sealants (Cont.)

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

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Table 2-17. Solvents

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Distilled Water	ACS grade Reagent Grade	6810-00-107-1510 6810-00-682-6867 6550-01-310-1677 6550-01-312-7739 6810-01-327-6267	DR (5 GL) BX (6, 1 GL) PG (4, 1 GL) BX (20 L) GL	Used for cleaning in critical soldering operations.
Degreasing Solvent	MIL-PRF-680 Type III	6850-01-474-2318 6850-01-474-2320 6850-01-474-2321	GL BX (2, 2.5 GL) DR (55 GL)	General purpose cleaning solvent for removing grease, oil, and preservation compounds.
Cleaning Solvent	Envirosolv 654CR	6850-01-388-9732	CN (5 GL)	For use in ultrasonic cleaning or as a wipe solvent.
Isopropyl Alcohol	TT-I-735 Grade A (technical) ACS Grade (reagent)	6810-00-753-4993 6810-00-983-8551 6810-00-286-5435 6810-00-183-4393 6810-00-822-7637 6810-00-227-0410	CN (8 OZ) QT GL PT QT GL	Used for cleaning surfaces prior to painting or sealing.

Table 2-18. Tapes

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Insulating Tape, Electrical	ASTM-D2686	5970-01-097-3767	RO	
Paint Masking Tape, Crepe Paper Treated (Natural)	SAE-AMS-T-21595 Type I (3M No. 231)	7510-01-371-3239 7510-01-371-3234 7510-01-371-3238 7510-01-371-3236 7510-01-371-3237	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)	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. CAUTION Only to be used if components are sufficiently rigid to withstand application and removal of tape.
Pressure Sensitive Tape	A-A-59298	7510-01-060-8518 7510-01-497-3708	RO (natural, 1/2" X 72 YD) RO (yellow, 1/8" X 72 YD)	For isolating dissimilar metals where galvanic action may take place in avionic equipment.
Aircraft Preservation and Sealing Tape	SAE-AMS-T-22085 Type II (3M No. 481)	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.
Aluminum Foil Tape, Chemical and Water Resistant	SAE-AMS-T-23397 Type II (3M No. 425)	7510-00-806-4669 7510-00-654-9811 7510-00-720-7516 7510-00-684-8803	RO (1/2" X 60 YD) RO (3/4" 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.

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Table 2-19. Tracers/Indicators

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Desiccant	MIL-D-3464 Type II 16 unit bag 8 unit bag 4 unit bag 2 unit bag 1 unit bag 1 unit bag 0.5 unit bag 0.3 unit bag 0.16 unit bag	6850-00-935-9793 6850-00-935-9794 6850-00-935-9795 6850-00-935-9878 6850-00-935-9796 6850-00-935-9797 6850-00-935-9798 6850-00-935-9799 6850-00-935-9800	DR (120 bags) DR (240 bags) DR (400 bags) CN (130 bags) DR (1000 bags) CN (250 bags) CN (450 bags) CN (650 bags) CN (1200 bags)	Absorbs moisture, lowers relative humidity when sealed in container.
Humidity Indicator	MIL-I-8835 Style A1 3" x 2" 1.625" x 1"	6685-00-752-8240 6685-01-008-7563	CN (125/can) EA	Used to determine that desiccant within a package is sufficiently active to maintain a relative humidity below that at which corrosion will occur.
Silver Nitrate		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.
Indicator, Bromothymol Blue Reagent	A-A-59282 Reagent Crystal Powder Premade solutions	6810-00-019-0040 6810-00-262-8581 6810-00-281-4270 6810-00-281-4271 6810-00-031-4757	BT (10 g) BT (1 g) BT (500 ml) EA (4 OZ) BT (16 OZ)	For detecting reverse voltage damage to we-slug tantalum capacitors. (Dissolve 1/4 teaspoon of indicator in three 8 oz cups of deionized or distilled water to which eight drops of ammonium hydroxide (A-A-59370) has been added.) Also used as a NiCd electrolyte indicator.
Litmus Paper	Blue Litmus Paper Red Litmus Paper	6640-00-290-0146 6640-00-290-0147	HD (100) HD (100)	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 an equivalent for an application/procedure is not referenced herein, contact your service representative for approval: Air Force Corrosion Prevention and Control Office, AFRL/MLS-OLR, Robins AFB, GA.

3-2. ARRANGEMENT OF CHAPTER. Chapter 3 lists equipment used for avionics cleaning and corrosion control. The column headings list nomenclature, specifications/part numbers, national stock numbers (NSNs), unit of issue (U/I), and intended uses. Items are located by function in the following tables:

- a. Table 3-1. Cleaning Accessories.
- b. Table 3-2. Corrosion Removal Accessories.
- c. Table 3-3. Conversion Coating Accessories.
- d. Table 3-4. Painting Accessories.

e. Table 3-5. Safety Accessories.

f. Table 3-6. Sealing Accessories.

3-3. The unit of issue abbreviations are shown and explained as follows:

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

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Table 3-1. Cleaning Equipment

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Cleaning and Scouring Pad, Non-Metallic	A-A-3100 Type I (3/8" thick) Type II (1" thick)	7920-00-151-6120 7920-00-171-1534	PG (10) PG (10)	Replacement sponge (12" L x 6" W) for washing kit No. 251M. Hand held or attach to the wash applicator.
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	Application of cleaner and scrubbing of aircraft surfaces and avionic equipment housings for hard to remove soils.
Toothbrush, Soft Bristle, Straight Line Design	A-A-59 (Children's) A-A-123 (Adult's)	8530-01-293-1388 8530-01-293-1387	DZ (30) DZ (30)	Cleaning intricate parts. Before using, insure chemicals will not dissolve or soften brush.
Pump, Backpack (5 gals.)	P/N: 5100-254B	4320-00-289-8912	EA	Localized cleaning and rinsing of avionic surfaces.
Electric Heater Gun	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. WARNING Not explosion proof. Not authorized for use on aircraft.
Mini-Vacuum Cleaner, Pneumatic, Venturi-Type	P/N: AT560	5130-01-368-5861	EA	Removing dirt and debris.
Vacuum Cleaner with attachments	Pneumatic	7910-00-807-3704	EA	Removing dirt and debris.
Bottle, Adjustable, Sprayer Nozzle (16 oz.)	A-A-2806	8125-00-488-7952	EA	Spraying of cleaning compounds.
Brush, Acid	A-A-289	7920-00-514-2417	GR	For cleaning connectors, circuit boards, and small components.
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.
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 components.
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.
Heat Lamp		6240-01-349-4407	EA	Used for drying during Track 8 cleaning procedures.

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Table 3-1. Cleaning Equipment (Cont.)

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
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.
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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Table 3-2. Conversion Coating Equipment

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Acid Swabbing Brush, Metal Handle (Horsehair bristle)	A-A-289 (5 3/4" L x 3/8" W)	7920-00-514-2417	GR	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.
Wash Bottle, Plastic (250 ml)		6640-00-299-8493	EA	Use for rinsing chemically treated surfaces.

Table 3-3. Corrosion Removal Equipment

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Grinder, Pneumatic, Horizontal (20,000-25,000 RPM)	P/N DG-50-230	5130-00-293-2797	EA	Use with 3M Radial Bristle Disk for small corrosion repair and paint removal.
Mandrel Assembly, Radial Bristle Disc	3M No. 990	3460-01-493-7924	CS (5)	Use with 3M radial bristle disc for small corrosion repair and paint removal.
Radial Bristle Disc, 3" Diameter (Salmon)	3M No. SPA	5345-01-493-2510	CS (40)	Light corrosion/paint removal and surface preparation on aluminum, titanium, and high-strength steel substrates.
Radial Bristle Disc, 3" Diameter (Lime 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.
Vacuum Sanding Systems, Clayton (each unit includes an ULPA-filter vacuum, a variety of pneumatic sanders, abrasives, tools, compressed air and vacuum hoses)	P/N: 670-DM-1535-0 P/N: 670-DM-1535-4 P/N: 770-DM-1535-0 P/N: 770-DM-1535-4	1HD0000-LL-CQA-8342 1HD0000-LL-CQA-8348 1HD0000-LL-CQA-8349 1HD0000-LL-CQA-8353	EA EA EA EA	Portable vacuum sanding system used to remove corrosion or coatings from metal or composite surfaces. 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 small areas and aboard ship, electric. For use in small areas and aboard ship, pneumatic.
Sanders, Clayton Vacuum Sanding Systems	P/N: 675-12301J P/N: 670-12601J P/N: 675-12341J P/N: 670-12601J P/N: 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).
Backup Pads for Clayton Sanders	P/N: 672-301J P/N: 672-611J P/N: 672-402J P/N: 672-701J P/N: 673-B0038 P/N: 692-282J	1HS0000-LL-CQA-8300 1HS0000-LL-CQA-8302 1HS0000-LL-CQA-8306 1HS0000-LL-CQA-8303 5340-01-519-0929 1HS0000-LL-CQA-8305	EA EA EA EA EA EA	Replacement pads for Clayton Vacuum Sanding System
Hoses and Hose Fittings, Clayton Vacuum Sanding Systems	P/N: 673-A0300W P/N: 671-HSB1000W P/N: 671-HSB2000W P/N: 671-AVH1015W P/N: 671-AVH1035W P/N: 671-150Y P/N: 631-001 P/N: 661-150CMB	1HS0000-LL-CQA-8294 1HS0000-LL-CQA-8295 1HS0000-LL-CQA-8319 4720-01-519-7025 4720-01-519-7365 4730-01-519-5907 4730-01-520-7058 4730-01-519-5912	EA EA EA EA EA EA EA EA	Replacement hose for Clayton Vacuum Sanding System
Filters, Clayton Vacuum Sanding Systems	P/N: 600-115 P/N: 600-313A P/N: 926-050	4310-01-519-5205 7910-01-520-6435 4310-01-520-8595	PK (3) PK (5) EA	Replacement filters for Clayton Vacuum Sanding System
Disposal Bags, Clayton Vacuum Sanding Systems	P/N: 600-114DM	8105-01-521-2119	PK (25)	Replacement bags for Clayton Vacuum Sanding System

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Table 3-3. Corrosion Removal Equipment (Cont.)

Nomenclature	Specifications/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 shape)	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	
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.
Scissors	GGG-S-278 Shears (9") Electricians' (5 1/4")	5110-00-161-6912	EA	Cutting tapes, cheesecloth, masking materials, and electrical wires
		5110-01-336-5726	EA	
Blast Cleaning Machines, Cabinet, Stationary	MIL-C-83756 Type I	4940-00-242-3631	EA	Provides a shielded enclosure for portable honer operation. Used for abrasive cleaning of rust and corrosion products from avionic equipment structures and housings: CAUTION: 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.
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. WARNING: 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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Table 3-4. Painting Equipment

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
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.
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.
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.
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.
PreVal Aerosol Sprayer		8020-01-496-2473	EA	Power unit only. Use for touch-up of small, spot paint system repairs. Ordering info. for 2 oz. paint bottles for use with the PreVal sprayer can be found in Tables 2-13 and 2-14.

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Table 3-5. Safety Equipment

(see Figures 3-1 through 3-4 at the end of this chapter for illustrations of some items in this section).

NOTE

Consult local Safety Office for Personal Protective Equipment (PPE) requirements. The local Safety Office has authority to substitute equivalent safety accessories when appropriate.

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Particulate Respirator (Mask), Disposable	3M No. 8511	4240-01-247-2348	BX (80)	Protection from inhalation of particulates during light sanding and grinding operations.
Full Facepiece Respirator, Air Filtering (w/o cartridges)	3M No. 7800S (Small) 3M No. 7800S (Medium) 3M No. 7800S (Large)	4240-01-314-2780 4240-01-342-5239 4240-01-301-3200	EA EA EA	Personnel protection from organic vapors, dust, and paint sprays in nonconfined areas during spraying operations.
Full Facepiece Respirator, Air Filtering (w/o cartridges)	3M No. 6700 (Small) 3M No. 6800 (Medium) 3M No. 6900 (Large)	4240-01-454-8531 4240-01-454-8535 4240-01-454-8538	BX (4) BX (4) BX (4)	Personnel protection from organic vapors, dust, and paint sprays in nonconfined areas during spraying operations.
Half Facepiece Respirator, Air Filtering (w/o cartridges)	3M No. 7501 (Small) 3M No. 7502 (Medium) 3M No. 7503 (Large)	4240-01-495-1294 4240-01-495-1293 4240-01-495-1291	BX (10) BX (10) BX (10)	Personnel protection from organic vapors, dust, and paint sprays in nonconfined areas during spraying operations.
Filter Cartridges, P100 Organic Vapor	3M No. 60921	4240-01-455-7353	BX (60)	For use with 3M's half and full facepiece respirators.
Respirator Lens for 3M Full Facepiece Respirators (plastic film)	3M No. 7884 3M No. 6898	4240-01-247-8929 Open Purchase	BX (5) BX (5)	Replacement lens for the 7800S series respirators. Replacement lens for the 6000 series respirators.
Lens Covers, Peel-away for 3M Full Face Respirators	3M No. 7899-25 3M No. 7899-100 3M No. 6885-100	4240-01-248-4634 4240-01-248-6435 4240-01-455-2787	BX (25) BX(100) BX(100)	For 7800S series respirators. For 7800S series respirators. For 6800 series respirators.
Inhalation Valve for 3M Facepiece Respirators	3M No. 7282 3M No. 6894 3M No. 7582	4240-01-248-2607 4240-01-455-2811 4246-01-495-1303	BX(200) BX(200) BX(10)	For 7800S series respirators. For 6800 series respirators. For 7500 series respirators.
Exhalation Valve for 3M Facepiece Respirators	3M No. 7283 3M No. 6889 3M No. 7583	4240-01-248-2608 4240-01-455-2809 4246-01-495-1305	BX (50) BX (10) BX (10)	For 7800S series respirators. For 6800 series respirators. For 7500 series respirators.
Tyvek Shroud for 3M Full Facepiece Respirators	3M No. 7915-5	4240-01-320-1957	PG (5)	Protects head and neck from paint overspray.
Spectacle Kit for 3M Full Facepiece Respirators	3M No. 6878 3M No. 7925	4240-01-455-2346 4240-01-395-4128	EA EA	Consists of frame and retainer clip. Use on 6000 Series Facepiece. For use with prescription lenses. Use on 7800S Series Facepiece.
Head Harness Assembly, Facepiece Respirators	3M No. 7581 3M No. 78935 3M No. 6897	4240-01-496-4143 Open Purchase Open Purchase	BX (20) BX (2) BX (5)	Replacement for 7500 series respirators. Replacement for 7800 series respirators. Replacement for 6800 series respirators.
Respirator Cleaning Wipes (alcohol-free towelettes)	3M No. 504	Open Purchase	BX (500)	Hygienic cleaning of respirators and other personal protective gear/equipment.
Air Breathing Pump, Pneumatic Driven, Portable	NF-1100 (supersedes NF15-3) (Mfr.: RhineAir) ADP-16 (Mfr.: Bullard)	4240-01-363-4699 4310-01-168-7302	EA EA	Supply air to hoods and facepiece respirators. NOTE 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.

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Table 3-5. Safety Equipment (Cont.)

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Replacement Filter Cartridges for Breathing Pumps	CF8080 (Mfr.: 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 (Mfr.: RhineAir)	Open Purchase	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 for hands. 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)	P/N: 7005 Small Medium Large X-Large	8415-01-352-6556 8415-01-352-6553 8415-01-352-6554 8415-01-352-6555	BX (20) BX (20) BX (20) BX (20)	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) PG (100) PG (100)	General purpose protective wear for hands.
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.

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Table 3-5. Safety Equipment (Cont.)

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
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.
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. NOTE: 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)	P/N: 4-375	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.

Table 3-6. Sealing Equipment

Nomenclature	Specifications/Part No.	National Stock Number	Unit of Issue	Intended Use
Sealant Dispensing Gun with 6 oz. Metal Retainer, Manual	Model 850 Gun (P/N: 221830)	5120-00-952-3507	EA	Application of sealants and adhesives.
Replacement Retainers for Manual Sealant Guns	Model 850 Retainers P/N: 226819 P/N: 226820	5120-01-247-1639 5340-01-384-6120	EA EA	2.5 oz. metal retainer. 6 oz. metal retainer.
Sealant Smoothing Tools, Plastic	Sealant Spatulas P/N: 231349 P/N: 226241 P/N: 226242 P/N: 226243 Spatula Kit P/N: 226244 Sealant Scraper P/N: 234350 Sealant Spreader P/N: 229394 Comb Spreader P/N: 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 Open Purchase	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.
Mixing Stick, Sealant, Wooden	P/N: 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 (White)	A-A-2577 Type II Style A Class 3 (supersedes UU-C-806) Size: 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

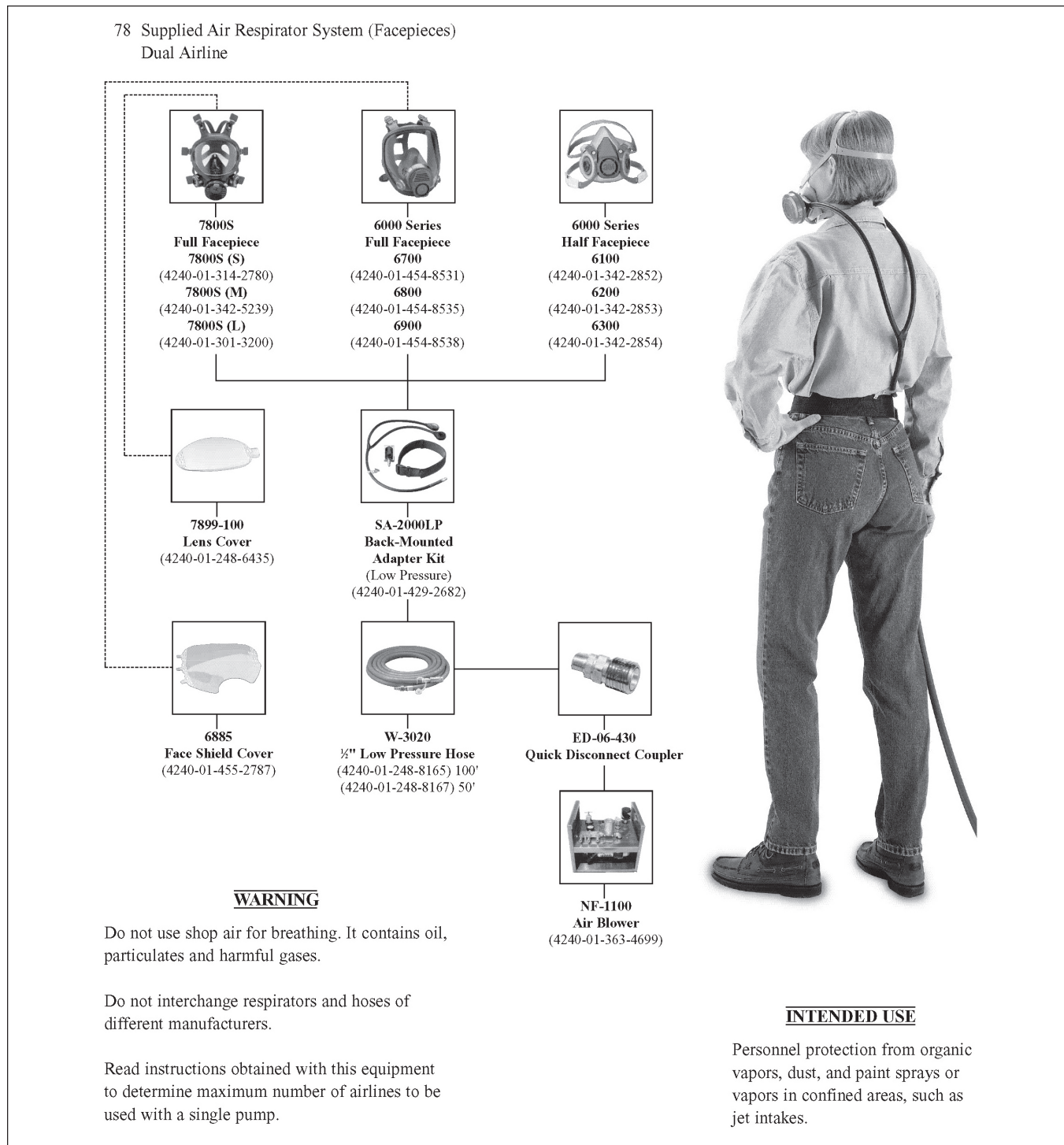


Figure 3-1. Back Mounted Full Facepiece Respirator

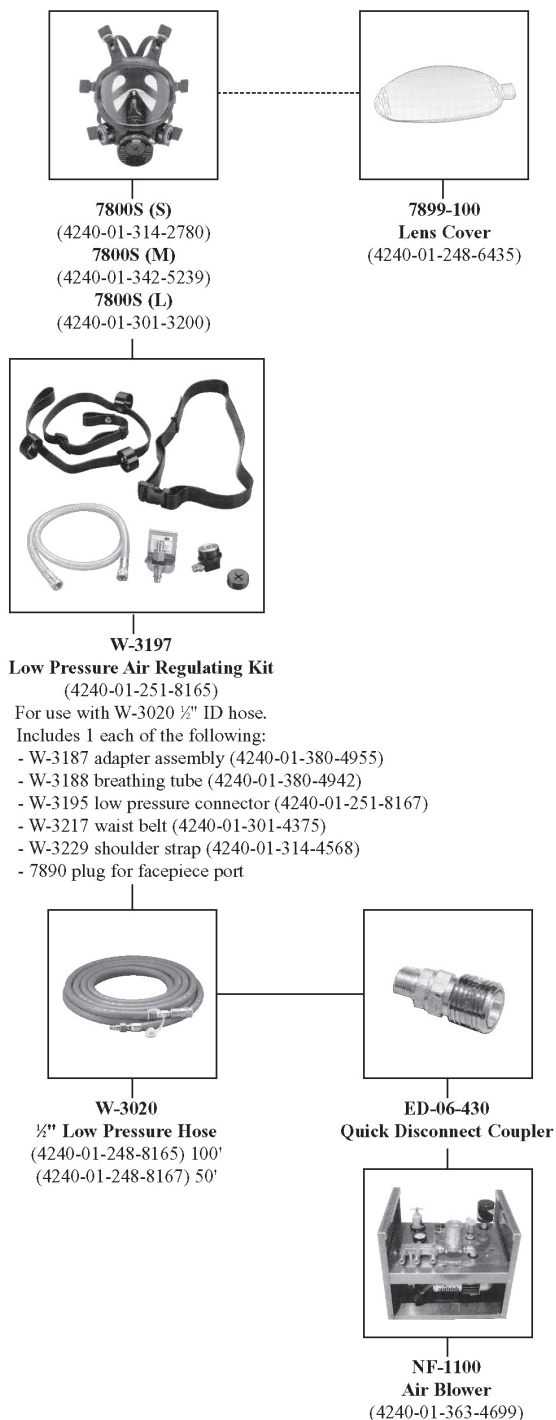
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78 Supplied Air Respirator System (Facepiece)
Continuous Flow Low Pressure



INTENDED USE

Personnel protection from organic vapors, dust, and paint sprays or vapors in confined areas, such as jet intakes.

WARNING

Do not use shop air for breathing. It contains oil, particulates and harmful gases.

Do not interchange respirators and hoses of different manufacturers.

Read instructions obtained with this equipment to determine maximum number of airlines to be used with a single pump.

Figure 3-2. Front Mounted Full Facepiece Respirator

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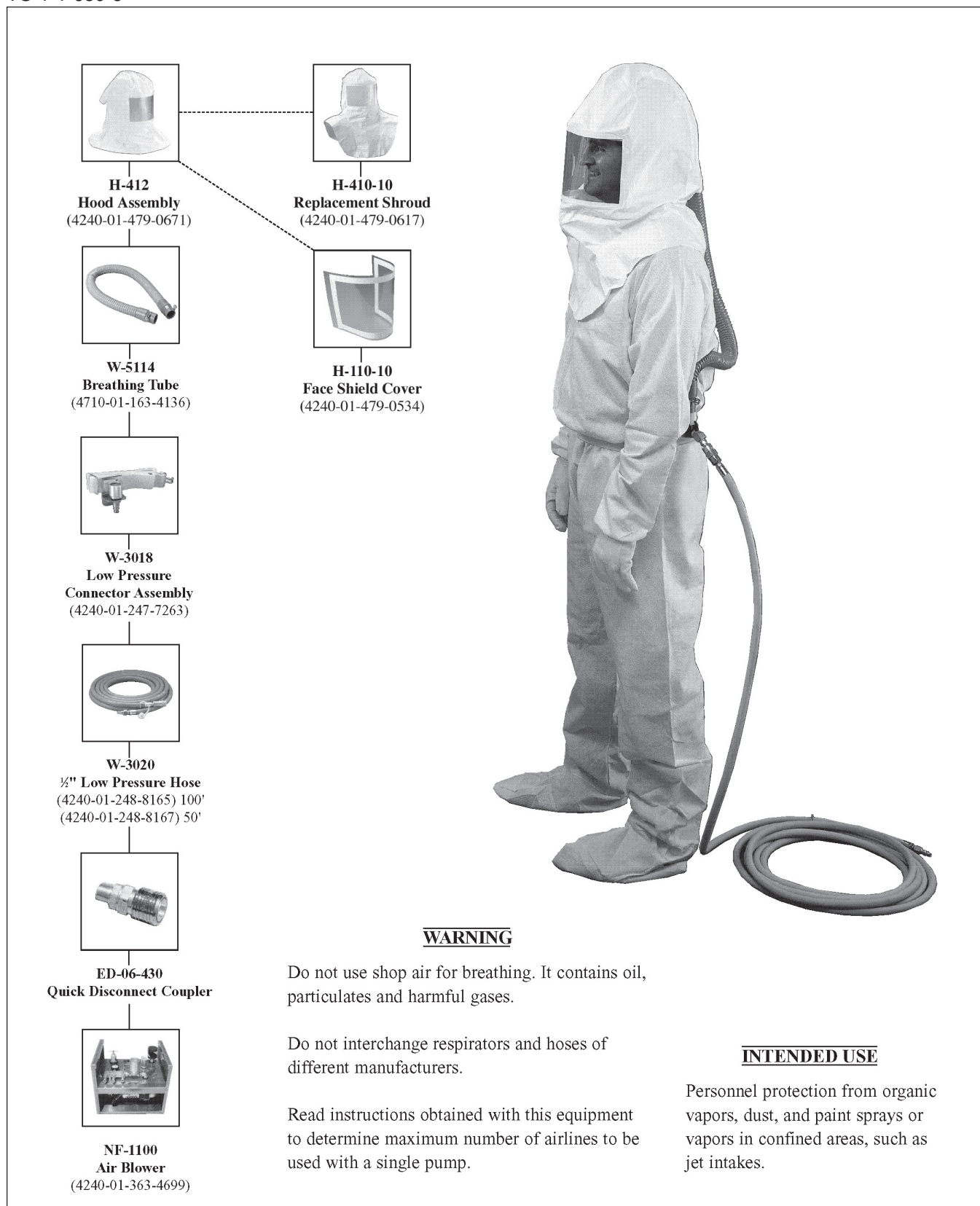


Figure 3-3. Hooded Air Respirator System

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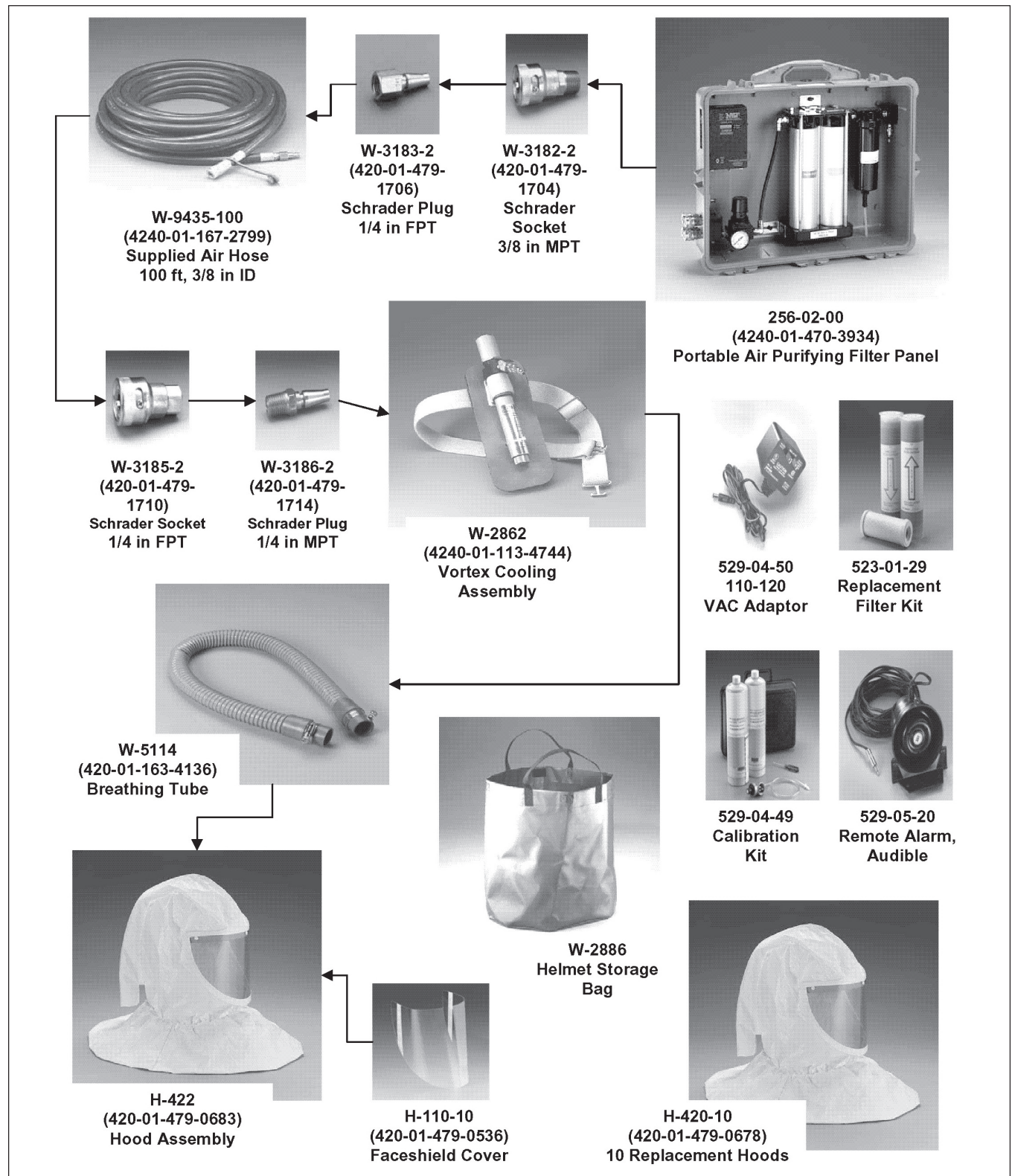


Figure 3-4. Supplied Air Cooling Respiratory Protection System

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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 to be used for avionic cleaning, only equipment that meets the general procedures and limitations of Volume III should be used.

Table 4-1. Special Support Equipment for Avionics Cleaning

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

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