



STANDARD OVERHAUL PRACTICES MANUAL

MISCELLANEOUS MATERIALS

**PART NUMBER
NONE**

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STANDARD OVERHAUL PRACTICES MANUAL

Revision No. 97
Jul 01/2009

To: All holders of MISCELLANEOUS MATERIALS 20-60-04.

Attached is the current revision to this STANDARD OVERHAUL PRACTICES MANUAL

The STANDARD OVERHAUL PRACTICES MANUAL is furnished either as a printed manual, on microfilm, or digital products, or any combination of the three. This revision replaces all previous microfilm cartridges or digital products. All microfilm and digital products are reissued with all obsolete data deleted and all updated pages added.

For printed manuals, changes are indicated on the List of Effective Pages (LEP). The pages which are revised will be identified on the LEP by an R (Revised), A (Added), O (Overflow, i.e. changes to the document structure and/or page layout), or D (Deleted). Each page in the LEP is identified by Chapter-Section-Subject number, page number and page date.

Pages replaced or made obsolete by this revision should be removed and destroyed.

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TRANSMITTAL LETTER

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Location of Change

20-60-04

PGBLK 20-60-04-0

Description of Change

Added A-A-52080 nylon lacing and tying tape.

Added more silica fibers. Identified Hitco F100-A25 silica fibers as New Supply Not Available.

Removed "chromate" from the name of BMS 5-142 sealant.

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HIGHLIGHTS

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A = Added, R = Revised, D = Deleted, O = Overflow

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EFFECTIVE PAGES

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TEMPORARY REVISION AND SERVICE BULLETIN RECORD

BOEING SERVICE BULLETIN	BOEING TEMPORARY REVISION	OTHER DIRECTIVE	DATE OF INCORPORATION INTO MANUAL
	20-1	PRR 75496	OCT 01/73

Nov 01/2006

All revisions to this manual will be accompanied by transmittal sheet bearing the revision number. Enter the revision number in numerical order, together with the revision date, the date filed and the initials of the person filing.

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[illegible]

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STANDARD OVERHAUL PRACTICES MANUAL

INTRODUCTION

1. General

- A. The instructions in this manual tell how to do standard shop procedures during maintenance functions from simple checks and replacement to complete shop-type repair.
- B. This manual is divided into separate sections:
 - (1) Title Page
 - (2) Transmittal Letter
 - (3) Highlights
 - (4) Effective Pages
 - (5) Contents
 - (6) Revision Record
 - (7) Record of Temporary Revisions
 - (8) Introduction
 - (9) Procedures
- C. Refer to SOPM 20-00-00 for a definition of standard industry practices, vendor names and addresses, and an explanation of the True Position Dimensioning symbols used.
- D. The data is general. It is not about all situations or specific installations. Use it as a guide to help you write minimum standards.
- E. If the component overhaul instructions are different from the data in this subject, use the component overhaul instructions.

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INTRODUCTION

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MISCELLANEOUS MATERIALS

1. INTRODUCTION

- A. Materials identified in the overhaul instructions but not in the lists in other SOPM subjects are in this list.
- B. Vendor product names and numbers are given for these miscellaneous materials, along with applicable Boeing, Military or Federal Specification numbers. Refer to SOPM 20-00-00 for a list of all the vendor names and addresses.
- C. Refer to document D6-17487, Qualification Testing of Airplane Maintenance Materials, for data on test and approval of materials not in the list.

NOMENCLATURE	SPECIFICATION	RECOMMENDED MATERIALS
Abrasive Pads		Scotch Brite, Type A, V76381 Scotch Brite, Type S, V76381
Abrasive Paper or other Media		Grit specified (source optional, such as V06565, V76381)
Adhesives NOTE: Refer to SOPM 20-50-12 for listings of adhesives by BAC5010 Type.	BMS 5-31 BMS 5-34 BMS 5-36 BMS 5-128	Epon (or EA) 901, 913, 913NA, 913.1, 919, and 933, V12405 or V33564 EA934NA (Replaces EA933), V12405 or V33564 NOTE: NA means No Asbestos. EA9394, V12405 or V33564 Eccobond 104, V04552 Pro-Seal 501, V83527 M6792, V1B267 Permabond 102 or 910, V61078 (for others, ^[1]) Methyl Cyanoacrylate Adhesive, V05972 Safety Walk Brand, V76381 DC30-079, V71984 Silastic 140, V71984 (obsolete) RTV 77, V01139 RTV 157, V01139 (over primer DC1200, V71984) Epibond 1526A and B, V99384 Hysol EA-956, V33564
Adhesive, Epoxy	MIL-R-15058 BMS 5-10, Type 1 Grade B (obsolete)	Epocast 502 with Hardener HN951 or Epocast 571 with Hardener 973, V99384 Gaco N-29 or 39, V09463 927 Surface Conditioner, V33564

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NOMENCLATURE	SPECIFICATION	RECOMMENDED MATERIALS
	BMS 5-10, Type 2, Grade A (obsolete)	Epon 927, V33564
		MP-1000-D5, MP-1000 or MP-500, V62767 Hysol 1C White, V33564 M-Bond 600, V88952
Adhesive, Film	BMS 5-51, Type 2, Class 1 BMS 5-51, Type 2, Class 2 BMS 5-80, Type 2, Class 1 (obsolete) BMS 5-80, Type 2, Class 2 (obsolete) BMS 5-91, Types 2, 4 BMS 8-245, Type 2, Class 1, Grade 03 Grade 05 Grade 08	AF-126, V76381 AF-126-2, V76381 FM-123-2, V07542 FM-123-5, V07542 *[1] FM 300M.03, V07542 FM 300K.05, V07542 FM 300K.08, V07542
Adhesive, Foaming	BMS 5-90, Types 3 thru 7	*[1]
Adhesive, Modified Epoxy	BMS 5-92, Type 1, Class 4	Part A: EC2216A gray, V76381 Part B: EC2216B white, V76381
	Type 2 (Obsolete. Use Type 1)	
	Type 3, Class 2	EA9330 Part A and B, V33564
	Type 4, Class 3	Part A: EC2216A amber, V76381 Part B: EC2216B clear, V76381
	Type 5, Class 1	Part A: EC3333A amber, V76381 Part B: EC3333B dark gray, V76381
	Type 5, Class 1	Part A: EC2615A amber, V76381 Part B: EC2615B white, V76381
	Type 5, Class 2	Part A: EC2615A LW amber, V76381 Part B: EC2615B LW amber, V76381 NOTE: EC means Elastomeric Cement.
Adhesive, Nonmetallic Castable Shim	D042T613 (SOPM 20-50-15)	Part A: EA934NA Part B: EA934NA, V33564
Adhesive Primer (See Primer, Adhesive)		
Adhesive, Structural	BMS 5-42, Type 2 BMS 5-101, Type 2 Grade 5 BMS 5-104, (Obsolete. Superseded by BMS 5-137)	*[1] Hysol EA-9628, V33564 *[1]

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NOMENCLATURE	SPECIFICATION	RECOMMENDED MATERIALS
	BMS 5-148	*[1]
Antistatic Agent, Windows		Activol No. 1390M, V07648
Bags, Interior	MIL-B-117	*[1]
Barrier Material, Vapor	MIL-C-5648	*[1]
Brazing Alloy	AMS 4772, AMS 2675	*[1]
Brazing Materials	AMS, PC 458	*[1]
Caps and Plugs	MIL-C-5501	*[1]
Catalyst		Dibutyl Tin Dilaurate, V12941 Tin Octoate, V96590
Cement		Cascophan PS-216, V84107 H-94, V86915 PS-18, V95696 PS-30, V95696
Cement, Contact		Weldwood Fast Dry, V16882
Cement, Rubber		EC-1128, V76381 Sanford's No. 474, V86874
	Mil-C-4003, grade 1 (Superseded by MMM-A-1617)	*[1]
Cement, Synthetic	BMS 5-14	*[1]
Cement, Synthetic Rubber, Low Odor		EC1458, V76381 Bostik 4145, V13932
Cheesecloth (see Wipers)		
Cloth, Abrasive		Micro-Mesh Series, Kit SN-2, V32834 Polysand Abrasive Cloth, V54033
Cloth for cleaning acrylic transparencies or windows		Cannon Flannel (source optional) Tubular Knit Cloth (18 inches wide), V1K327
Cloth, Glass	BMS 9-3, Type D, Class 7	V35123, V6M825, V88088, V91775, V95746
Coating, Ablative (Fireproof). (See Coating, Fire Resistant Insulative)		

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NOMENCLATURE	SPECIFICATION	RECOMMENDED MATERIALS
Coating, Conductive		DeSoto 3202009 Base Material with Catalyst 6108101, V96595 DeSoto 528 x 302 base, 910-006 activator, V85570 Bostik 463-6-14 base, CA 97 activator, V98502 Tempo 1980-BAS-5A base, 1980-CAS-5A catalyst, V37810

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NOMENCLATURE	SPECIFICATION	RECOMMENDED MATERIALS
Coating, Fire Resistant Insulative	BMS 10-102, Type 1, Class 1, Grade 25	64-C1-2, V06367
	BMS 10-102, Type 1, Class 1, Grade 28	MA-25, Type 1 sprayable, V53100
	BMS 10-102, Type 1, Class 2, Grade 30	68-C3-1, V06367
	BMS 10-102, Type 1, Class 2, Grade 32	MA-25, Type 2 Trowelable, V53100
	BMS 10-102, Type 2 (Topcoat)	DC 3120, V71984 GE RTV 60, V01139
		Precured MA-25 Patches, V53100: MA-25 Type 3-100, 12 X 24 X 0.100 inch MA-25 Type 3-125, 12 X 24 X 0.125 inch MA-25 Type 3-250, 12 X 24 X 0.250 inch
		Precured MA-25 Patches with precured Grade B topcoat, V53100 MA-25 Type 4-100, 12 X 24 X 0.100 inch MA-25 Type 4-125, 12 X 24 X 0.125 inch MA-25 Type 4-250, 12 X 24 X 0.250 inch
		Kit MA2RK, V53100: Uncured MA-25, uncured topcoat, DC-1200 primer, silica fibers, kevlar mat, naphtha and approved consumables
		Kit MA4RK, V53100: Precured MA-25 with precured Grade B topcoat (two 6 X 6 X 0.250 inch panels), with uncured topcoat, DC-1200 primer, naphtha and approved consumables
Coating, Low Emissivity Gold	BMS 10-82, Type 1	Liquid Bright Gold 6854 or 9918BD, V29218
Coating, Resin		PT201, V06341
Coating, Suede		Nextel 3101 - series, V76381

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NOMENCLATURE	SPECIFICATION	RECOMMENDED MATERIALS
Topcoat, Sealant		RTV 60, V01139 RTV 106, V01139 RTV 560, V01139
Compound, Buffing (See also Polishes)		Finesse-it 13084, V76381 Finesse-it 14078, V76381 Finesse-it 81235, V76381 Learok S-30, V75554 Learok S-119, V75554 (Replaces Learok S-30) Learok 302-C, V75554 Learok 888, V75554 Meguiar's M01, V14088 Satin finish greaseless Grade B, V75554
Compound, Coating, Electrical Insulation	BMS 5-37, Class B (Supersedes Class A)	*[1]
		PR 1337 B-1/2, V83574 PR 1337 B-2, V83574 PR 1337 B-4, V83574
Compound, Corrosion Inhibiting		(See SOPM 20-60-02)
Compound, Fairing		EC-3587, V76381 EC-3587-1, V76381 EC-3587-1/4, V76381
Compound, Hole Filling	BMS 5-16, Class D-4	*[1]
Compound, Potting		Resin 5167 - Hardener 3698, V04347 RTV 162, V01139 RTV 601 Silastic Silicone Rubber base, 601 Catalyst, V71984 RTV 3110, V71984 GE 21, V01139 Epocast 8623A, V99384 Epocast 8623B, V99384 DC 738, V71984 DC 3145, V71984 PR 1913, V83574 PR 1933, V83574 Epocast 167 A/B, V99384 Obsolete. Use Type 19 Epocast 1511 A/B, V99384 Epocast 1488 A/B, V99384 Magnobond 69-2 A/B, V22121
	BMS 5-28, Type 1	
	BMS 5-28, Type 2	
	BMS 5-28, Type 3	
	BMS 5-28, Type 4	

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NOMENCLATURE	SPECIFICATION	RECOMMENDED MATERIALS
	BMS 5-28, Type 5	Obsolete. Use BMS 5-28, Types 15 thru 20, 26
	BMS 5-28, Type 6	Epocast 1636 A/B, V99384
	BMS 5-28, Type 7	CG-1305 Resin and Hardener, V02684 Epocast 89537 A/B, V99384
	BMS 5-28, Type 8	Obsolete. Use Type 21
	BMS 5-28, Type 9	EC-3524 Part A and Part B, V76381 Epocast 87005A/B-80, V99384 Thermofoam 3056 Resin and Hardener, V17433 Thermofoam 3056FR, V17433
	BMS 5-28, Type 12	Epocast 927, V83574, V99384 Epocast 938-A1, V99384 Epocast 1612, V99384
	BMS 5-28, Type 13	Epocast 938-A1, V99384
	BMS 5-28, Type 15	Epocast 1615 A/B, V99384
	BMS 5-28, Type 16	Epocast 1616 A/B, V99384
	BMS 5-28, Type 17	Epocast 1617 A/B, V99384 Magnobond 91 A/B, V22121
	BMS 5-28, Type 18	Epocast 1618 A/B, V99384 Epocast 1633, V99384 Magnobond 92-1 A/B, V22121 Magnobond 99 A/B, V22121
	BMS 5-28, Type 19	Epocast 1619 A/B, V99384
	BMS 5-28, Type 20	Epocast 1620 A/B, V99384
	BMS 5-28, Type 21	Epocast 1621 A/B, V99384
	BMS 5-28, Type 22	Obsolete. Use Type 19
	BMS 5-28, Type 23	Obsolete. Use BMS 5-28, Type 21
	BMS 5-28, Type 25	Epocast 1625 A1/B1, V99384
	BMS 5-28, Type 26	Epocast 1626 A/B, V99384 Epocast 1626 C/D, V99384
	BMS 8-68, Type 2	CS3808-68 Parts A and B; primer CS3808 and CS9903, V14439

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NOMENCLATURE	SPECIFICATION	RECOMMENDED MATERIALS
Compound, Retaining (See also Compound, Thread Locking)		Loctite 35 (replaced by Loctite 635), V05972 Loctite 40 (replaced by Loctite 640), V05972 Loctite 43 (replaced by Loctite 609), V05972 Loctite 59, V05972 Loctite 75 (replaced by Loctite 675), V05972 Loctite 222, V05972 Loctite 242, V05972 Loctite 290, V05972 Loctite 609 (replaces Loctite 43), V05972 Loctite 635 (replaces Loctite 35), V05972 Loctite 640 (replaces Loctite 40), V05972 Loctite 675 (replaces Loctite 75), V05972 Loctite, Grade B (yellow) V05972 Loctite Superbonder 495, V05972 Loctite RC/680, V05972
	MIL-R-46082	*[1]
	MIL-S-22473	*[1]
	MIL-S-40083	Loctite Type A, V05972
	MIL-S-46163	*[1]
Compound, Sealing (See also Sealants)	MIL-S-8802	*[1]
Compound, Leveling	BMS 5-125, Type 1 (Obsolete – use Type 3) BMS 5-125, Type 2 BMS 5-125, Type 3	Epibond 1542 A/B, V99384 PR 1440 LS A/B, V83574 PL422FR, V25472
Compound, Sealing Activator		EC-807, V76381
Compound, Sealing and Insulation	MIL-S-8660 (Replaces MIL-I-8660)	*[1]
Compound, Sealing Locking, Retaining	MIL-S-22473	*[1]
Compound, Thread Locking (See also Compound, Retaining)		Vibratite (formerly VC-3), V04866 Loctite 83 or 083 (Replaces Loctite 74), V05972 Loctite 277, V05972 Loctite 290, V05972
Cord, Tie	BMS 13-54	*[1]

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NOMENCLATURE	SPECIFICATION	RECOMMENDED MATERIALS
Crayons		V85419
Crayons, Temperature Indicating		Tempilstiks, V82682
Curing Agent		Epon Curing Agent B-1, V33564
Fabric		S/3113, V3W981 S/3954, V3W981
Fabric, Cloth 7-1/2-ounce rubberized		CRP2386, V07804
Fabric, Cloth		DS659, V25472 HS967, V25472
Fabric, Cloth 7-1/2-ounce Teflon coated one side		CRP21629, V07804
Fabric, Glass Fiber	BMS 9-3, Type H	*[1]
Fibers, Silica	BAC5892	F100-A25, V78741*[2]
Fibers, Glass		V21343, V45255
Filler Material, Weld	BMS 7-150, Type 3 (Supersedes BMS 7-81; superseded by S 5825 or AWS A5.9, Class ER630) AWS A5.10 Class ER4043	17-4PH, V80393 17-4PH, V9G163 Cerafelt, V54859
Filler, Phenolic Sheet	MIL-P-15035, Types FBE, FBI, FBJ	*[1]
Film, Bondable Tedlar		100BG30TR, V18873 200BM30GY, V18873 200BS30WH, V18873
Film, Kevlar Mat	BAC5892	Kevlar 28, 29 or 49, V96217
Film, Mylar		Protex 1321 D3, V38671 Protex 223-5, V38671
Foam, Flexible Urethane	BMS 8-39	*[1]
Foam, Flame Retardant Rigid Urethane	BMS 8-133	*[1]
Foam Rubber (See Rubber, Foam)		
Gum Pads, Silicon		ZZR765, Class 3B, Grade 30, Color Optional, V75345
Honeycomb Core, Aluminum	BMS 4-4, Type 4-20, Class P	Hexcel CR/AL 5052, V51344 Duracore, V84938 Hexcel CR 111 5052, V04621
Honeycomb Core, Nonmetallic	BMS 8-124, Class 4, Type 2, Grade 1.5	HRH 10-1/4-1.5, V51344

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NOMENCLATURE	SPECIFICATION	RECOMMENDED MATERIALS
	BMS 8-124, Class 4 Type 5, Grade 3.0 BMS 8-124, Class 4 Type 5, Grade 8.0	HR-10-1/8-3.0, V51344, V51375, V0858B A-1-48-3, VK1007 HRH-10-1/8-8.0, V51344
Honeycomb Core, Paper	BMS 4-8	Aircom Style 60-20, Type 30, V23296
Lacing and Tying Tape, Nylon	A-A-52080 (replaces MIL-T-43435)	*[1]
Lacing, Protective (See Sleeving, Black Nylon)		
Lacing Tape, Flat Braid	BMS 13-54	*[1]
Leak Detector Fluid	BMS 10-34 System 3	*[1]
Lockstitch		417X, V01344 (Obsolete)
Lockwire (See Wire, Safety or Lock)		
Microballoons		Phenolic, BJO-0930, V80524
Nitrogen, Gas or Liquid	BB-N-411 (Obsolete) (Replaced by A-A-59503)	*[1]
	A-A-59503	*[1]
Nylon, Spiral-Cut	MIL-M-22096	Spirap, V00779, V05593
Nylon Thread (See Thread, Nylon)		
Oxygen, Gas or Liquid	BB-O-925, Type 1 or Type 2	*[1]
Paper, Grease Proof	MIL-B-121	*[1]
Parting Agent (Mold Release Agent)		Frekote 44NC, V1JB33 or V51257 Frekote 48NC, V1JB33 or V51257 Frekote 710NC, V1JB33 or V51257 Frekote 770NC, V1JB33 or V51257 Frekote 1711, V1JB33 or V51257 Garan 225, V22401 MS-122A, V18598*[2] MS-122AD, V18598 MS-122DF, V18598*[2] MS-122RA, V18598 MS-122RB, V18598 MS-122XD, V18598 MS-143N, V18598*[2] Vinyl Cyclohexanone 4A-183, V17359*[2] 598-5002, V17359 *[2]

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NOMENCLATURE	SPECIFICATION	RECOMMENDED MATERIALS
Parting Film		AC962-73C, A.C. Chemical Co. AZ534-2B, V0A3C8 AZ634-2, V0A3C8 Delchem X-769, V86460 (Replaced by 4A-183 parting agent) FEP, V18632 or V18873 Partall Coverall Film, V17629 Spraylat SC-1071H-1 Blue (ZR-5827), V87354
		Tedlar, nonbondable PVF, V18873 Teflon, perforated, V0U054
Polishes (See also Compound, buffing)	MIL-P-6888 O-S-595	*[1] *[1]
		Duco 2, V18873 Plastishine A, V71361 Plex-I-Glow, V93920 Mirror Glaze H10, V14088 Mirror Glaze H17, V14088 Mirror Glaze M10, V14088 Mirror Glaze M17, V14088 Simoniz Wax, V09457
Plastic, Acetal		Delrin 150, 500, 500P, 550, V0GYY8, V0REF0, V18873, V7S139, V72207
Primer, Adhesive	BMS 5-42, Type 1, Class 1, 2 or 3	*[1]
	MIL-S-4383	EC 776SR, V04963 (obsolete) GC-3001, V04011 PR-1005L, V89574 444R, V83527 833-5, V02104
		DC1200, V71984 DC1204, V71984 DC1205, V71984 EC776, V04963 EC776R, V04963 EC 776SR, V04963 (obsolete) EC 1309, V04963
Primer, Adhesive, Corrosion Inhibiting	BMS 5-89	*[1]
Primer, Adhesive, Liquid	BMS 5-104, Type 1 Class 1	*[1]
Primer, Loctite		Activator 7471, V05972 Locquic Primer, Grade T, V05972
Primer, Retaining Compound	MIL-S-22473, Grade T	*[1]
	MIL-S-46163, Grade F	*[1]

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NOMENCLATURE	SPECIFICATION	RECOMMENDED MATERIALS
Primer, Sealant		Dow Corning RTV 1200, V71984 (Used with DC 93-006)
	BMS 5-63, Type 1 or 2	*[1]
Protective Wrapping (See Sleeving, Nylon)		
Putty, Tamperproof	BMS 8-45	EC 1252, color as specified, V6A670
Release Sheet (Parting Agent)	BMS 15-3	*[1]
Resin, Fiberglass	BMS 8-201, Type 1	Resin: Epocast 50-A, V99384 Hardener: Epocast 9816, V99384
	BMS 8-201, Type 2	Resin: Epocast 50-A, V99384 Hardener: Epocast 946, V99384 Resin: Epocast 50-A, V99384 Hardener: Epocast 9449, V99384 Resin: CG-1304, V02684 Hardener: CG-1304, V02684
	BMS 8-301	*[1]
Resin, Laminating		Resin: Epocast 50A (replaces Epocast HT 1835), V99384 Hardener: Epocast 946 or 9816, V99384
Resin, Windshield Repair		Acrylic Casting PS-18, PS-30, V95696 Acrylic Casting MAT 227, V12035
Rubber, Foam	BMS 1-68	*[1]
Safety Wire (See Wire, Safety or Lock)		
Sealer		Safety Walk Bead Sealer, V76381 Scotchlite 700, V76381 Scotchlite 776, V76381

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NOMENCLATURE	SPECIFICATION	RECOMMENDED MATERIALS
Sealant		PR 1221 Class B-4, V83574 PR 1405G, V83574 PR 1425, V83574 PR 1826 Class B-1/4, V83574 PR 1826 Class B-1/2, V83574 PR 1828 Class B-1/4, V83574 PR 1828 Class B-1/2, V83574 PR 205, V83574 Dow Corning Compound No. 5, V71984 DC 93-006-(), V71984 ^{*[3]} DC 93-076-(), V71984 ^{*[3]} Nycote 4-30, 7-11, 88, V05803 Pro-Seal 860, Class B, V83527 Pro-Seal 892, V83527 Ucar 100, V33870 or V4G314 3C-414B2, V04011 3C-502, V04011
Sealant, Loctite		Loctite 83 or 083 (Replaces Loctite 74), V05972 Loctite Grade 84, 416, 495, V05972
Sealant, Integral Fuel Tank	BMS 5-26, Type 1 or 2 (Superseded by BMS 5-45)	^{*[1]}
Sealant, Temperature, Fuel, Pressure, and Weather Resistant	BMS 5-44	^{*[1]}
Sealant, Low Density Integral Fuel Tank	BMS 5-45	^{*[1]}
Sealant, Extrudable Low-Durometer Silicone	BMS 5-54 (obsolete)	V-27 Compound, CJ Catalyst, and SWS 419 Primer, V07607
Sealant, Two Part Epoxy		Scotchcast No. 10, V76381
Sealant, Low Density Polyurethane	BMS 5-93	^{*[1]}
Sealant, Pressure and Weather, Low-Density	BMS 5-32 (Superseded by BMS 5-26, BMS 5-45, BMS 5-95, BMS 5-142)	^{*[1]}
Sealant, Pressure and Environmental	BMS 5-79, Class B (Superseded by BMS 5-95) BMS 5-79, Class C (Superseded by BMS 5-95) BMS 5-79, Class D (Superseded by BMS 5-16)	Pro-Seal 898B-1/2, V83527 Pro-Seal 898B-2, V83527 Pro-Seal 898B-4, V83527 Pro-Seal 898B-8, V83527 Pro-Seal 898C-24, V83527 Pro-Seal 898C-48, V83527 Pro-Seal 898D-2, V83527

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NOMENCLATURE	SPECIFICATION	RECOMMENDED MATERIALS
Sealant, Pressure and Environmental, Chromate Type	BMS 5-95 Class B (Fillets, injection, fay seal)	Pro-Seal 870 B-(), V83527
	BMS 5-95 Class C (Brush and fay seal, long squeeze-out life)	Pro-Seal 870 C-(), V83527
	BMS 5-95 Class E (Sprayable, as a coating)	PR 1436G E-(), V83574
	BMS 5-95 Class F (Sprayable, as a primer)	PR 1432G, V83574
	BMS 5-95 Class G (Long squeeze-out life, lower viscosity)	Pro-Seal 870 Sprayable-(), V83527
Sealant, Low-Density	BMS 5-142	*[1]
Sealant, Firewall	BMS 5-63, Type 1 or 2	*[1]
Sealant, Weather and Fuel Cavity (Brushable), External Fuel Tank	BMS 5-19 (Superseded by BMS 5-26, which is superseded by BMS 5-45)	*[1]
Sealant, Silicone		Dow Corning Q3-0121 or 30-121, V71984 (obsolete) ^[4] Dow Corning 731 RTV, V71984 Dow Corning 732 RTV, V71984 Dow Corning 738 RTV, V71984 Dow Corning 3145 RTV, V71984 RTV 102, V01139 RTV 108, V01139 RTV 154, V01139 RTV 157, V01139 RTV 162, V01139 RTV 167, V01139 RTV 174, V01139 ^[2] RTV 601, V71984 RTV 602, V71984 NOTE: RTV means Room Temperature Vulcanizing.
Sealant, Silicone	BAC5010, Type 60	*[1]
Shear Wire (See Wire, Shear)		
Sheet Metal, Porous		347 CRES, V71207 V18350
Shim, Liquid	BMS 5-109 Type 2 Class 2 Grade A	EA 934NA, V33564
		EA 9394, V33564
	BMS 5-141	EA 9394S, V33564
		Epoxy resin 5312S with hardener 5412C, V26348

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NOMENCLATURE	SPECIFICATION	RECOMMENDED MATERIALS
Sleeving		Varglass Type HD, HO, HP, V79074
Sleeving, Black Nylon	69-3311 (Replaces 65-96194-1)	Varglass Type 94-H, V79074 ^{*[2]} V17576 5140080600, V81205
Sleeving, Expandable Braided	BMS 13-52, Type 1A	Polyester Zipper 552100XX32 , V81851
		Expando, Grade PT, V81851 Polyester Monofilament Expandable, V00768 PTFR-125-series, V59659
Sleeving, Heat Shrinkable (See also Tubing)	BMS 1-41 (Replaced by MIL-I-23053)	^{*[1]}
	MIL-DTL-23053 (Replaces MIL-I-23053)	^{*[1]}
	MIL-R-46846	^{*[1]}
		Raychem RT850, V06090 Raychem RT876 (yellow), V06090 ^{*[2]} (Replaced by AMS- or MIL- DTL- 23053/5 Class 1 or 3, Raychem MIL-LT, Plastronic PLF 100) Raychem MIL-LT, V06090 (replaces Raychem RT876) Plastronic PLF100, V00Q87 (replaces Raychem RT876) Raychem RNF100, V06090 (replaces Raychem RT876)
Sleeving, Nylon (See also Nylon Spiral-cut)	AS1294	Spirap 500036 or 500037, V00779, V05593
Sleeving, Teflon		TFE-2X, V18632 or V32039 TFE-4X, V18632 or V32039
Strippers for Magnet Wire		ES1 or ES-1, V26348 ^{*[2]} Insulstrip Jell, V2R190 Strip-X, V72653 990, V07653
Sleeving, Teflon Spiral		Spirap 500024, V00779, V05593 Heli-Tube, V09106

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NOMENCLATURE	SPECIFICATION	RECOMMENDED MATERIALS
Sponge Rubber, Silicone	BMS 1-23	CG100-123, CG100-1077, V25099 9S-631, V75345 H404, V3DBN7 406, V07096 5302(extruded), V52898 7304 (molded), V52898
Static Conditioner		Magna 28-C-1, V02463
Surface Breather		Airweave SS, V53912
Swabs, Cotton	A-A-30016 (Obsolete) GG-A-616 (Obsolete)	*[1] *[1] Q-tips, V92469
Tape		Permaceel No. ST8112, V99742 Permaceel No. P-29, V99742 Permaceel No. 290, V99742 Permaceel No. 32 (white), V99742 Polyken 223, V80769
Tape, Adhesive Transfer	BAC5444	Scotch 464, V76301 Scotch 465, V76381 Scotch 468, V76381 Scotch 909, V76381 Scotch 924, V76381 Scotch Y926, V76381 Scotch Y953, V76381 Scotch 976, V76381 Scotch Y-9568, V76381
Tape, BMS 3-11 Resistant		Scotch 850 (Mylar), V76381
Tape, Conductive		Scotch 425 (aluminum foil), V76381
Tape, Double-Back Sticky		Permaceel ED8112, ED8117, P-50, P-55, P-56, ST8117, 94, 96, P-306, P-306L; V99742 Scotch Y9204, 400, 468MP, 4920, 971; V76381
Tape, Faying Surfaces	MIL-T-23142	*[1]
Tape, Flame Resistant		Permaceel P-29 Silver, V99742 Permaceel P-621, V99742 Scotch 474, V76381*[2]

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NOMENCLATURE	SPECIFICATION	RECOMMENDED MATERIALS
Tape, Masking		Permaceel 69, V99742 Permaceel 76, V99742 ^{*[2]} Permaceel P-733, V99742 Permaceel P-743, V99742 Protex 1321 D3, V06929 Protex 223-5, V06929 Scotch 221, No. 600 (Cellophane), V76381 Mylar Transparent Tape, V76381 Tuck Tape, V83334
Tape, Protective		Fluorglas 2812-6, V07512 ^{*[2]} Gizard Protex 20V, V06929 Mylar JG, V18873 Mystik 7300, V88301 Mystik 7355 (Mylar), V88301 (Replaced by Scotch 5421, Y-8412 or 8412) Mystik 9710, V88301 Permaceel ET3758, V99742 Permaceel P-421, V99742 Permaceel P-422, V99742 Permaceel P-440, V99942 Permaceel 75, V99742 Permaceel 95, V99742 ^{*[2]} Protex 20V, V06929 Saint Gobain SG13-05, V0LBH6 Scotch X-1155, V76381 Scotch Y-8412, V76381 Scotch Y-9050, V76381 Scotch Y-9017, V76391 Scotch Y9184S, V76381 Scotch 3-9017, V76381 Scotch 370, V76381 Scotch 507, V76381 Scotch 5421, V76381 Scotch 61, V76381 Scotch 64 (polytetrafluorethylene), V76381 ^{*[2]} Scotch 670, V76381 Scotch 79 (glass cloth), V76381 Scotch 8402, V76381 Scotch 8412 (Mylar), V76381 (See also Scotch Y-8412)
Tape, Polyimide, 1.0 mil thick, silicon adhesive	D160U101	Saint Gobain K250, V0LBH6

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NOMENCLATURE	SPECIFICATION	RECOMMENDED MATERIALS
Tape, Polyvinyl Alcohol (PVA)		V6E915 [Specify width and thickness in inches, as 1-002 for 1 inch wide, 0.002 inch (2 mils) thick]
Tape, Silicone		Permaceel 2650, V99742 Scotch 70, V76381
Thread Locking Compound (See Compound, Thread Locking)		
Thread, Nylon	V-T-295 (Replaces MIL-T-7807)	*[1]
Tubing, Teflon	BAC5167 Grade D Class 1	*[1]
Tubing, Vinyl	MIL-I-3190/6 MIL-I-7444	*[1] *[1]
Tubing, Heat Shrinkable (See also Sleeving)		Plastronic PLF100, V00Q87 Raychem CRN , V06090 Raychem DWP-125, V06090 Raychem MIL-LT, V06090 Raychem PD (MS-70), V06090 *[2] Raychem RNF-100, Type 1 or 2, V06090 Raychem TFE, V06090
	AMS- or MIL-DTL- 23053/5, Class 1 or 3	*[1]
Wipers, Absorbent	BMS 15-5, Class A or B	*[1]
Wire, Safety or Lock	MS20995-()	*[1]
Wire, shear, 302A CRES	ASTM A580	MH488T, V94129
Wrapping, Protective (See Sleeving, Nylon)		

*[1] Refer to the applicable Qualified Products List, or equivalent list, of the specification listed for approved material part numbers and vendors.

*[2] New supply not available.

*[3] Final dash number indicates the time in hours to cure tack-free at room temperature.

*[4] Use these sealants: Dow Corning 731 RTV, 732 RTV (with DC1200 primer), 738 RTV, 3145 RTV; or General Electric RTV 102, RTV 108, RTV 157, RTV 174.

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