



Date: March 8, 2011

To: Spirit AeroSystems Inc. Suppliers

Subject: Spirit AeroSystems, Inc. Specifications

Spirit Specifications

The attached list contains all current Spirit Specifications and their respective Revision Levels. If you are currently using any of these specifications to perform work for Spirit, please ensure that you are working to the correct revision. Monthly notification of updates will be posted to the SPN in the future.

Should you require an updated copy of any specification please contact your Spirit Procurement Agent.

Spirit Specification	Rev Level	Title	Date Changed/ Added
SDM-65520-1	New	SasPlate Users Manual	
SDM-65520-2	New	SasPlate - Laminate Analysis Users Manual	
SDM-65520-3	New	SasPlate - Plate Buckling Analysis Users Manual	
SMS-110101	B	Materials For Lightning Protection of Composite Structure	
SMS-110102	C	Aluminum Forged/Rolled Rings	
SMS-110201	A	Hand Forged Thick Titanium (6Al-4V)	
SMS-111202	C	Chemical and Solvent Resistant Interior Epoxy Primer	
SMS-111204	E	Urethane Compatible, Corrosion Resistant Primer	
SMS-111206	C	Adhesive Primer For Structural Bonding	
SMS-111207	C	Special Purpose Coatings	
SMS-111290	B	Liquid Ceramic Coating Systems	
SMS-113101	F	Epoxy Prepreg Carbon Tape and Woven Fabric, 350F Cure	
SMS-113102	B	Medium Toughened Epoxy Prepreg Carbon Tape and Woven Fabric, 350F Cure	
SMS-113103	F	Bismaleimide (BMI) Carbon Fiber Prepreg	
SMS-113201	F	Epoxy Prepreg Glass Woven Fabric, 350F Cure	
SMS-113203	B	Bismaleimide (BMI) Prepreg Glass Woven Fabric For Non-Structural Applications	
SMS-113401	D	Nonmetallic Honeycomb Core	
SMS-113403	E	Advanced Septumized Core	
SMS-113601	D	Prepreg Peel Ply	
SMS-114001	F	Silicone, Cellular	
SMS-114002	B	Silicone, High Temperature Resistant Or Hydraulic Fluid Resistant	
SMS-116102	E	Adhesive Films For Structural Bonding	
SMS-116104	D	Surfacing Materials For Composite Applications	
SMS-116105	C	Bismaleimide (BMI) Film Adhesive	
SMS-116114	A	Unsupported, High Temperature Resistant Adhesive Film	
SMS-116201	H	Honeycomb Edge Filling and Potting Compound	3/2/2011
SMS-116302	C	Firewall Sealant, Hydraulic Fluid Resistant	
SMS-116303	E	Pressure and Environmental Sealant	
SMS-116401	E	Foaming Adhesives	
SMS-116501	C	Syntactic Core	
SMS-116502	D	Core Filling Material	

Spirit Specification	Rev Level	Title	Date Changed/ Added
SMS-117101	B	Insulation Material for SPS-103524 Heat Shields	
SMS-117102	New	Insulation for High Temperature Applications	
SMS-119101	New	2024 Aluminum Alloy Extrusions	
SMS-119102	New	2024 Aluminum Alloy Plate	
SMS-119103	New	2124 Aluminum Alloy Plate	
SMS-119104	New	2219 Aluminum Alloy Plate	
SMS-119105	A	7075 Aluminum Alloy Plate	
SMS-119106	New	2219-T852 THICK HAND FORGINGS	
SMS-119201	A	301 Corrosion Resistant Steel, Solution Heat Treated, Sheet	2/28/2011
SMS-119202	A	321 Corrosion Resistant Steel, Solution Heat Treated Sheet and Plate	2/28/2011
SMS-119203	A	321 Corrosion Resistant Steel, Solution Heat Treated, Tubing	
SMS-119204	A	15-5 Precipitation Hardenable Corrosion Resistant Steel Bar and Forgings	2/28/2011
SMS-119205	B	15-5 Precipitation Hardenable Corrosion Resistant Steel Sheet and Plate	
SMS-119301	A	Commercially Pure Titanium Alloy Sheet and Plate, Annealed 70.0ksi	2/28/2011
SMS-119302	New	Ti-6Al-4V Titanium Alloy Bar and Forgings, Annealed	
SMS-119303	New	Ti-3Al-2.5V Titanium Alloy Tubing, Cold Worked, Stress Relieved	
SMS-119304	New	Ti-6Al-2Sn-4Zr-2Mo Titanium Alloy Sheet and Plate, Duplex Annealed	
SMS-119401	New	Aluminum-Bronze Bronze, Bars, Rods, Shapes, Tubes and Forgings	
SPS-100000	B	General Sealing	
SPS-100010	C	Installation of Tubing	
SPS-100011	B	Installation of Couplings	
SPS-100041	D	Solid Rivet Installation (Hand Installed)	
SPS-100042	B	Permanent Straight Shank Fastener Installation	
SPS-100043	New	Installation of Blind Fasteners	
SPS-100047	B	Installation of Index Head Interference Fit Rivets	
SPS-100080	C	Application of Lubricants	
SPS-100090	A	Manual Installation of Bolts and Nuts	
SPS-100100	C	Application of Adhesives	
SPS-100300	A	Smoothing and Fairing of Composites	
SPS-100340	C	Temporary Protection of Production Materials, Parts, and Assemblies	
SPS-100630	B	Hand Installation of Fasteners In Composite Structure	

Spirit Specification	Rev Level	Title	Date Changed/ Added
SPS-101090	New	Fabrication of Electrical Cables	
SPS-101170	D	Electrical Bonding and Grounding	
SPS-101520	A	Wire Harness Marking	
SPS-101530	New	Assembly of Electric Terminations	
SPS-101540	New	In-Process Electrical Testing	
SPS-101550	B	Heat Shrinkable Materials On Electric Wiring	
SPS-101570	B	Fabrication of Electric Wire Bundles	
SPS-101580	C	Installation of Electrical Wiring	
SPS-101590	New	Installation of Electric Wire Terminals To Equipment	
SPS-101620	B	Assembly of Electrical Connectors	
SPS-101621	New	Assembly of MIL-DTL-83723 Series III, ESC Firewall, MS3450 Series and MIL-DTL-26482 Series I Connectors	
SPS-101622	New	Assembly of MIL-DTL-38999 Connectors	
SPS-101623	New	Assembly of Circular Connector Backshells	
SPS-103000	G	Forming, Straightening, and Fitting Metal Parts	
SPS-103050	A	Application of Aluminum Foil Markers	
SPS-103070	D	Part Marking	
SPS-103170	J	Fabrication of Composite Parts 350F Cure	
SPS-103170-1	A	Fabrication Of Composite Parts 350F Cure - Departure 1.	
SPS-103173	A	Fabrication of Fiberglass Composite Parts, 350F Cure	
SPS-103178	D	Abrasive Perforation Method For Composite Laminates	
SPS-103179	G	Fabrication of Carbon Fiber Reinforced Bismaleimide (BMI) Composite Parts	
SPS-103183	A	Core Processes (Trimming, Forming, Splicing and Potting)	
SPS-103521	A	Insulated Heat Shield, Silicone	
SPS-103524	B	Fabrication of Insulated Heat Shield, CRES/CRES	
SPS-104080	C	Vapor Degreasing	
SPS-104230	E	Penetrant Inspection	
SPS-104240	C	Magnetic Particle Inspection	
SPS-104300	A	Fabrication and Installation of Resin Bonding Laminated Shims and Solid Fillers	
SPS-104350	B	Bearing Installation	
SPS-104920	A	Machining and Cutting of Titanium and Titanium Alloys	
SPS-105040	I	Sealing of Integral Fuel Tanks	

Spirit Specification	Rev Level	Title	Date Changed/ Added
SPS-105060	A	Installation of Elastomeric Seals	
SPS-105550	B	Phosphoric Acid Anodizing of Aluminum	
SPS-105830	E	Process For Potting Inserts and Edges Into Sandwich Panels	
SPS-105890	A	Application of Primers For Structural Adhesive Bonding	
SPS-106020	B	Heat Treatment of Aluminum Alloys	
SPS-106021	A	Age Forming of Aluminum Parts	
SPS-106130	D	Heat Treatment of Titanium and Titanium Alloys	
SPS-106190	F	Heat Treatment of Corrosion Resistant Steels	
SPS-106320	New	Boric Sulfuric Acid Anodizing	
SPS-107100	D	Application of Special Purpose Coatings	
SPS-107190	C	Chemical Conversion Coatings For Aluminum and Aluminum Alloys	
SPS-107250	B	Stripping of Coatings	
SPS-107300	B	Shot and Glass Bead Peening	
SPS-107301	A	Peen Forming	
SPS-107302	New	Flap Peening	
SPS-107360	E	Application of Chemical and Solvent Resistant Finishes	
SPS-107440	A	Manual Alkaline Cleaning, Solvent Emulsion, and Foam Cleaners	
SPS-107480	C	Abrasive Cleaning, Deburring, and Finishing	
SPS-107490	D	Alkaline Cleaning	
SPS-107500	C	Solvent Cleaning	
SPS-107530	A	Chemical Cleaning and Descaling of Titanium and Titanium Alloys	
SPS-107630	C	Emulsion Cleaning and Aqueous Degreasing	
SPS-107650	D	Cleaning and Deoxidizing of Aluminum Alloys	
SPS-107720	A	Chemical Milling Aluminum and Aluminum Alloys	
SPS-107860	C	Etch Cleaning of Aluminum Alloys	
SPS-108110	B	Application of Bonded Solid Film Lubricants	
SPS-108290	B	Application of Liquid Ceramic Coatings	
SPS-108370	B	Preparation of Exterior Plastic Surfaces For Painting	
SPS-108420	D	Chemical Milling Titanium and Titanium Alloys	
SPS-108610	D	Application of Phosphate-Fluoride and Other Conversion Coatings for Titanium and Titanium Alloys	
SPS-108750	A	Fabrication of Markers From Anodized and Photosensitive Anodized Aluminum Stock	

Spirit Specification	Rev Level	Title	Date Changed/ Added
SPS-108820	E	Application of Urethane Compatible Epoxy Primer	
SPS-109740	E	Orbital Welding of Pressurized Tubing	
SPS-109750	C	Welding	
SPS-109800	A	General Requirements for Nondestructive Inspection (NDI) of Composite and Bonded Structure	
SPS-109801	B	Nondestructive Inspection (NDI) Acceptance Criteria for Composite and Bonded Structure	
SPS-109802	A	Ultrasonic Inspection of Composite and Bonded Structure	
SPS-109803	New	Radiographic Inspection of Composite and Bonded Structure	
SPS-109804	New	Bondtester Inspection of Composite and Bonded Structure	
SPS-109805	New	Thermographic Inspection of Composite and Bonded Structure	
SPS-120001-1001	New	Angles, 90 Degree, Aluminum, Extruded	
SPS-120002-8001	New	Tee, Miscellaneous, Aluminum, Extruded	
SPS-120002-8002	New	Tee, Miscellaneous, Aluminum, Extruded	
SPS-120003-1001	New	Channel, 90 Degree, Aluminum, Extruded	
SPS-120003-1002	New	Channel, 90 Degree, Aluminum, Extruded	
SPS 120004-1001	New	Z-SECTION COCKPIT1	
SPS-120007-2001	New	Shape, Miscellaneous, Aluminum, Extruded	
SPS-120007-2002	New	Shape, Miscellaneous, Aluminum, Extruded	
SPS-120007-2003	New	Shape, Miscellaneous, Aluminum, Extruded	
SPS-120007-2004	New	Shape, Miscellaneous, Aluminum, Extruded	
SPS-120007-2005	New	Shape, Miscellaneous, Aluminum, Extruded	
SSD-150001	A	Spirit Finish Codes	
SSD-150002	New	Dimensioning and Tolerancing Addendum	
SSD-150004	A	Percent Open Area Requirements for Perforated Graphite Face Sheets	
SSD-150005	A	Modal Test Method for Measuring Point and Transfer Frequency Response Functions	
SSD-150006-1	A	Quality Inspection Requirements	
SSD-150006	B	Quality Inspection Requirements For Nacelle Composite Acoustic Panels	
SSD-150007	A	Drawing to MAA7 Document Cross Reference Definition for the BR700-725A1-12 Program	
SSD-150009	A	Pylon to Wing Fuse Pin Test Fixture Configuration Requirements, MRJ Pylon Program	2/28/2011
SSS-140020	I	Storage of Time and Temperature Sensitive Materials	
SSS-141170	New	Test Method for Indicating Oil or Water in Compressed Air	
SSS-141190	B	Intergranular Attack or End Grain Pitting, Test Method	

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SSS-141250	A	Adhesion Tape Test	
SSS-142130	A	Determination of Glass Transition Temperature	
SSS-142310	A	Test Methods for the Determination of Lap Shear Strength, Fatigue, and Creep	
SSS-142330	A	Test Methods for Honeycomb Sandwich Materials	
SSS-142510	A	Test Methods for Determination of Physical Properties of Preimpregnated Materials	
SSS-142520	C	Test Methods for Determination of Mechanical Properties of Preimpregnated Materials	
SSS-142610	A	Test Methods for Sealants	
SSS-142720	B	Pencil Hardness Test	
SSS-142740	A	Test Method to Determine Etch Rate	
SSS-143010	A	Condensing Humidity Test	
SSS-143020	C	Standard Practice for Operating Salt Spray (Fog) Apparatus	
SSS-144010	C	Process Control Document (PCD) Requirements For Suppliers of Raw Material	
SSS-144030	A	First Part Qualification (FPQ) Requirements for Composite and Bonding Applications	
SSS-144040	B	Thermal Profile Procedure	
SSS-144100	New	Fabricator Qualification for Composite Parts	
SSS-144101	New	Qualification of Autoclaves	
SSS-144102	New	Qualification of Composite Material Fabricating Equipment	
SSS-146010	New	Datum Feature Simulator Requirements	