

POLY-FIBER AIRCRAFT COATINGS

AIRCRAFT SPRUCE - WORLD'S LARGEST DISTRIBUTOR OF POLY-FIBER PRODUCTS



This FAA approved process utilizing Poly-Fiber Dacron polyester and the unique "Poly" line of finishes assures a beautiful, durable, weather-resistant cover job every time. Documented time tested results by the professionals. The Poly-Fiber Covering Process was issued Supplemental Type Certificate No. SA-1008-WE in 1965 and this number will apply to all aircraft.

Note: Formerly known as Stits covering process. Only Poly-Fiber materials may be used through the topcoat paint to comply with STC requirements. Poly-Fiber finishes are required for approval. Poly-Fiber is approved for use on most certified aircraft. To be sure, check the Master Eligibility List in the latest revision of Poly-Fiber Procedure Manual No. 1.

POLY-FIBER FABRIC

UNCERTIFIED LIGHT

1.7 oz., lightweight fabric recommended for covering ultralight aircraft. This fabric will be unstamped. It is not approved for certified aircraft except on plywood surfaces.

60" Width P/N 09-02001 /Lineal Yd.

MEDIUM WEIGHT

2.6 oz., standard fabric recommended for normal service on all types of aircraft regardless of speed, wing loading or horsepower.

70" Width P/N 09-01600 /Lineal Yd.

HEAVY DUTY

3.4 oz., Recommended for severe operating conditions and very high wing loading aircraft where a very tough, durable, low elongation, high tension fabric is required and weight is not critical. Great for agricultural, aerobatic and bush planes.

70" Width P/N 09-01700 /Lineal Yd.

POLYESTER PADDING

Non -woven, 45" wide, 3 oz. per yard. Used under fabric on wing leading edge and turtle deck to smooth rough surfaces.

P/N 09-01750

POLY-FIBER POLYESTER FINISHING TAPES

* Style - L indicates Linear Cut *Style - B indicates Bias Cut.

Part No.	Style #	Roll Width	Roll Length	Price.
09-02200	Med.	1"	25 yds.	.
09-02400	Med.	1-1/2"	25 yds.	.
09-02450	Med.	2"	25 yds.	.
09-02500	Med.	2"	50 yds.	.
09-02900	Med.	3"	25 yds.	.
09-03300	Med.	4"	25 yds.	.
09-03350	Med.	6"	25 yds.	.
09-02300	Light	1"	25 yds.	.
09-02350	Light	1-1/2"	25 yds.	.
09-02705	Light	2"	25 yds.	.
09-02700	Light	2"	50 yds.	.
09-03100	Light	3"	25 yds.	.
09-03400	Light	4"	25 yds.	.
09-03545	Light	6"	25 yds.	.
09-03565	Bias	2"	25 yds.	.
09-03570	Bias	3"	25 yds.	.
09-03580	Bias	4"	25 yds.	.

POLY-FIBER TAPES, CORD & THREAD



	Item	P/N	Yds. Spool	Price
Reinforcing Tape	1/4" Wide	09-03500	60	.
	3/8" Wide	09-03600	60	.
	1/2" Wide	09-03700	60	.
Rib Lacing Cord	(Std. Round)	09-03800	296	.
	Rib Cord, Flat	09-03810	500	.
Sewing Thread	Machine	09-03900	500	.
	Hand	09-04000	250	.

HEAVY INTER-RIB BRACING TAPE

Non-adhesive polyester twill tape for inter-rib bracing. Twice as strong as cotton tape. 36 yd. rolls. 1/2" Wide P/N 09-40912



AIRCRAFT FABRIC COVERING

Aircraft Fabric Covering is a must for anyone who wants to cover their own airplane. This 2-hour comprehensive video presents every aspect of the Poly-Fiber™ fabric covering process in detail, and in easy-to-understand language. From preparing the airplane for covering to spraying on the colors, you are guided step by step through the entire process by a professional EAA SportAir fabric instructor. When used in conjunction with the Poly-Fiber manual, Aircraft Fabric Covering removes the mystery surrounding this important process in the construction or restoration of your airplane. Information covered includes: • Preparing surfaces • Attaching the fabric • Tightening the fabric • Applying the first coat of Poly-Brush • Tying rib-lacing knots • Applying finishing tapes • Spraying UV-blocking chemical • Poly-Spray • Applying the color coats.

VHS P/N 13-40428
DVD P/N 13-02651

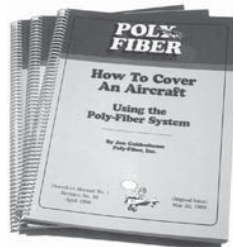


THE POLY-FIBER PRACTICE KIT

If you're thinking of building a fabric-covered airplane but are wondering what the covering process is like, this is the perfect answer. You get a practice frame, fabric, tapes, needles, rib lacing cord, thermometer, instructions, and all the coatings you need to work through the Poly-Spray stage. There's

enough of everything to do the entire process twice. You'll see how easy and enjoyable fabric covering really is.

P/N 09-06220



'HOW TO COVER AN AIRCRAFT USING THE POLYFIBER SYSTEM'

The Official Poly-Fiber how-to manual. It's a whole covering course in a book. A spiral-bound classroom, as the ads say. 151 pages of clear, non-jargon, step-by-step instruction, the entire Poly-Fiber system, from basic materials to blue ribbon. In plain language & has a sense of humor all its own. Entire Poly-Fiber catalog of products is included.

P/N 09-06000

Poly-Fiber Color Card #50 P/N 09-00234**FREE**

POLY-FIBER SOLVENTS & CLEANERS



METL-SOL C-2200 METAL SURFACE CLEANER

A strong solvent blend formulated to remove oil, silicone, wax and other contaminants from all metal surfaces before priming. Not for painted surfaces.

Qt. P/N 09-40710

Gal. P/N 09-40720



C-2210 PAINT SURFACE CLEANER

A mild solvent blend formulated to remove oil, silicone, wax and other contaminants from all painted or primed surfaces. Also removes tape gum from painted surfaces and acrylic windshield materials.

Qt. P/N 09-40810

Gal. P/N 09-40820



310 ALKALINE DETERGENT CLEANER

Highly recommended as an alkaline metal cleaner for removing greases and oils. Also a very good cleaner for interior cabins and vinyl upholstery, as well as a wide variety of household applications to remove waxes, dirt, and stains. Furnished as a concentrate for 32:1 dilution with water. Lemon scented and not harmful to your hands.

Qt. P/N 310-QT

Gal. P/N 310-1G

POLY-FIBER AIRCRAFT COATINGS



POLY-BRUSH
A pink translucent, 1 part air drying resin used for the first 2 or 3 coats to penetrate and seal the fabric weave and assure good adhesion. Also used to attach the finishing tapes and reinforcing patches. Brush on initial coat thinned 3:1 with reducer. Subsequent coats are thinned 3:1 with reducer and applied with a spray gun to avoid brush marks & cut application time.

Tinted		Untinted	
Quart...	P/N 09-04100	Quart	P/N 09-04110
Gallon	P/N 09-04200	Gallon	P/N 09-04210
5 Gal.	P/N 09-04300	5 Gal	P/N 09-04350



POLY-SPRAY
A high-solids aluminum-pigmented, 1 part, air drying resin used after the Poly-Brush preliminary coating to protect fabric from UV and prepare for a smooth finish. Thin 4:1.

Poly Spray (Qt.)	P/N 09-04400
Poly Spray (Gal.)	P/N 09-04500
Poly Spray (5 Gal.)	P/N 09-04600



POLY-FIBER REDUCERS
A blend of solvents used for viscosity and drying control of Poly-Brush, Poly-Spray and Poly-Tone. Blend #R-65-75 is recommended as the standard reducer in normal weather, 65°-75°F. #RR-8500 is a retarder-reducer with slower drying time. Recommended for temp above 85° & warm humid weather.

#65-75		#RR-8500	
Qt.	P/N 09-04700	Qt.	P/N 09-04750
Gal.	P/N 09-04800	Gal.	P/N 09-04850
5 Gal.	P/N 09-04900	5 Gal.	P/N 09-04950



POLY-FIBER RETARDER
This blended solvent improves flow-out and prevents blushing under high temperature or high humidity conditions. Improves gloss.

BR-8600 (Qt.)	P/N 09-40830
BR-8600 (Gal.)	P/N 09-40840



POLY-TAK CEMENT
Excellent cement for all types of fabrics. Shelf life unopened is 2 years.

Pint	P/N 09-05110
Quart	P/N 09-05000
Gallon	P/N 09-05100



POLY-TONE® FINISH
A durable semi-gloss, 1-part, air drying flexible paint available in over 50 popular aircraft colors. Recommended as the standard finish for the Poly-Fiber cover process. Also may be used over suitably primed metal components of fabric covered aircraft. Fabric damage is more easily repaired when Poly-Tone finish is used. All pigments are non-bleeding or fading. Will not oxidize with age. Poly-Tone is always thinned to 4 to 1 with Poly-Fiber Reducer (65-75 or 8500).

POLY-TONE FINISHES

4 Whites:	QUART	GALLON
Insignia White (#105)		
Juneau White (#110)		
Glacier White (#117)		
Daytona White (#120)		

All other colors (Color Card #50).....No Charge

TO ORDER POLYTONE: Create the part number for the Polytone you require: *Color-PQ* (for Quart) or *Color-PG* (for Gallon)
Example: 100-PQ is 1 Quart of Color #100



POLY TONE U.V. BLOCKING
Used for additional UV Protection in ultralight airplanes. 1 fl.oz. blocks 1 Quart Polytone

1/2 Pint Blocker (8 fluid oz)	P/N 09-02053
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POLY TONE
Quart P/N 09-05200
Gallon P/N 09-05300



STITS EPOXY PRIMER (GREEN) EP-420/EP-430

This green primer is fast drying, corrosion inhibiting, and has application and curing qualities down to 35°F. It is a heavy duty chemical and solvent resistant amine cured primer. Mixing ratio is 2 parts base, 1 part catalyst. Order in kits.

Quart Kit (Yields 2 1/2 quarts)
Incl. catalyst and reducer.....P/N 09-00352

Gallon Kit (Yields 2 1/2 Gallons)
Incl. catalyst and reducer.....P/N 09-00353

Base: Quart P/N 09-05605
Gallon P/N 09-05610

Catalyst: Pint P/N 09-05615
Quart P/N 09-05620

Reducer E-500 (Reduce 50%)
Quart P/N 09-01163
Gallon P/N 09-01108



STITS EPOXY PRIMER (WHITE) EP-420/EP-430

This white heavy duty chemical and solvent resistant amine cured primer, the excellent primer from Stits is fast drying and corrosion inhibiting. It can be applied and cured to temperatures down to 35°F. Mixing ratio is 2 parts base, 1 part catalyst.

Quart Kit (Yields 2 1/2 quarts)
Incl. catalyst and reducer.....P/N 09-00285

Gallon Kit (Yields 2 1/2 Gallons)
Incl. catalyst and reducer.....P/N 09-00438

Base: Quart P/N 09-05625
Gallon P/N 09-05630

Catalyst: Pint P/N 09-05615
Quart P/N 09-05620

Reducer E-500 (Reduce 50%)
Quart P/N 09-01163
Gallon P/N 09-01108



STITS EPOXY VARNISH EV-400/EV-410

An excellent clear gloss epoxy varnish for interior and exterior use. It provides superior weather durability and excellent chemical and solvent resistance. Can be used over a one component varnish primer if desired. Mixing ratio is 2 parts base, 1 part catalyst. Can be ordered as a kit which includes base, catalyst and reducer, or each component separately.

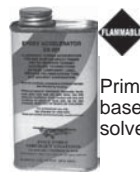
Quart Kit (Yields 2-1/2 quarts)
Incl. catalyst and reducer.....P/N 09-00349

Gallon Kit (Yields 2-1/2 Gallons)
Incl. catalyst and reducer.....P/N 09-00350

Base: Quart P/N 09-05645
Gallon P/N 09-05650

Catalyst: Pint P/N 09-05655
Quart P/N 09-05660

Reducer E-500 (Reduce 50%)
Quart P/N 09-01163
Gallon P/N 09-01108



EPOXY ACCELERATOR EX-501

A chemical curing accelerator for use in EP-420 Epoxy Primer and EV-400 Epoxy Varnish according to directions on base component listing. Reduces polymerization time, not solvent evaporation.

1/2 Pint P/N 09-04650



POLY-FIBER ESO ENGINE STORAGE OIL

A fine lubrication and preservative oil used to prevent corrosion in internal combustion engines during extended storage. MIL-21260.

Quart P/N 09-42450
Gallon P/N 09-42455

POLY-FIBER 60"X 48" FINE MESH PAINT STRAINER CONES

P/N 09-02115

IMPORTANT NOTICE: Poly-Fiber and Randolph Coatings are now manufactured by Consolidated Coatings Co. and current colors do NOT all match original Randolph colors. If matching an old color is required, please match it to a current color card or send in a sample of old color for custom matching.

CS

POLY-FIBER AIRCRAFT COATINGS



POLY FIBER AEROTHANE

A tough, flexible, high-gloss two part polyurethane especially formulated for fabric covered aircraft and marine surfaces subject to flexing loads. Recommended as a premium quality fabric finish over Stits Poly-Fiber covered aircraft. Wet look, high gloss. Aerothane requires catalyst, which is sold separately, and will be offered to you at the time of purchase. If you currently have an adequate supply please notify a sales rep or note it on your online order. Aerothane additives are also sold separately, but must be requested as needed.

AERO-THANE (All Paint 3/4 filled cans)			
Size	Color	Part No.	Price
Quart	Insignia White	105-AQ	.
Gallon	Insignia White	105-AG	.
Quart	Juneau White	110-AQ	.
Gallon	Juneau White	110-AG	.
Quart	Glacier White	117-AQ	.
Gallon	Glacier White	117-AG	.
Quart	Daytona White	120-AQ	.
Gallon	Daytona White	120-AG	.

CLEAR AERO-THANE AQ-100 (All paints 3/4 filled cans)			
Size	Color	Part No.	Price
Quart Kit	Clear	100-AQ-K	.
Quart Kit	Clear	100-AG-K	.
3/4 Quart Paint	Clear	AQ-100-QT	.
3/4 Gallon Paint	Clear	AQ-100-1G	.

AERO-THANE ADDITIVES			
Description	Size	Part No.	Price
Urethane Catalyst U-865	1/2 Pint	09-05400	.
Urethane Catalyst U-865	Quart	09-05500	.
Urethane Reducer UE-820	Quart	09-05600	.
Urethane Reducer UE-820	Gallon	09-05700	.
Urethane Retarder UR-826	Quart	09-05800	.
Urethane Retarder UR-826	Gallon	09-05900	.

TO ORDER AEROTHANE:

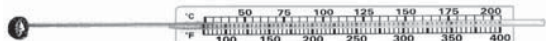
Create the part number for the Aerothane you require: Color-A-Q (quart) or G (gallon). Add -K (kit) if catalyst is required. Example: 100-A-Q-K is 1 quart of color #100 with catalyst included.

POLY-TONE/AEROTHANE ENAMEL FLATTENER

Used to make Aerothane and Enamel match the semi gloss finish of Polytone, or to make either Aerothane, Polytone and Enamel Full Military Flat.

Use 1 Pint, to flatten 1 Quart P/N 09-02052
Use 1 Qt. & 1 Pint, to flatten 1 Gallon..... P/N 09-02051

POLY-FIBER CALIBRATION THERMOMETER



Made specifically for calibrating irons. Printed with both Centigrade and Fahrenheit scales. Superior to open coil thermometers which may vary 30°.
..... P/N 09-37475

BLACK BARON FABRIC IRON



The Black Baron Iron was designed specifically for use on small aircraft. The exclusive "roll bars" fit into fillets and undercambers. The flat sole is for sheeted and open structures, and its beveled edges provide constant heat without marks. The toe is rounded and flat best performance. The coating is 100% blackstone making the iron slide like butter, even on tacky surfaces with almost no adhesive buildup. An advanced hi-tech thermostat reduces temperature drift to only 5° - Ordinary irons can vary up to 40°, causing surface bubbles. Get the best - get Black Baron.
110V P/N 09-37411

CUSTOM SEALING FABRIC IRON



This Teflon coated sealing works on a variety of coverings and has adjustable heat setting. It's an AC unit which operates at 170 watts. The temperature range is approximately 100-350°F. Has a 1-year warranty.
110V P/N 09-37400

POLY-FIBER COLORS AVAILABLE

Each color group in chart below is listed from light to darker shades. Free Poly-Fiber color chart available on request. Color Card #50.

CLEAR

100.....(Aerothane Only)

White

105.....Insignia White
(Eagle White)
110.....Juneau White
117.....Glacier White
(Federal 17038)
120.....Daytona White

CREAM

132.....Sun Valley Ivory
125.....Tucson Cream
131.....Diana Cream

YELLOW

242.....Ag Cat Yellow
136.....Lemon Yellow
139.....Federal Yellow
145.....Lockhaven Yellow
240.....Champion Yellow
Titanine Yellow
140.....Orange Yellow
(Schweizer Yellow)
(Thrush Yellow)
(Orange Yellow)
143.....Cub Yellow
146.....J3 OEM Yellow

ORANGE

142A.....Eagle Yellow
(Orange)
182.....Pumpkin Orange
183.....International Orange
180.....Cruiser Orange

RED

189.....Madrid Red
187.....Eagle Red
191.....Pontiac Red
(Toreador Red)
190.....Tennessee Red
(Federal 11136)
(Insignia Red)
195.....Santa Fe Red
(Maroon)
196.....Boston Maroon
197.....Stinson Maroon

PURPLE

361.....Eagle Purple

BROWN

205.....Bermuda Tan
203.....Elsinore Brown

BLUE

165.....Lakeland Blue
170.....Bahama Blue
173.....AN Blue (True Blue)
(Federal 15102)
318M.....Piper Trainer Blue
177.....Eagle Blue
176.....Insignia Blue
(Federal 15044 Blue)

GREY/SILVER

210.....Polar Grey
220M.....Nevada Silver
213A.....Federal 36321 Grey
213.....Ag Cat Grey
219.....Jasper Grey
222M.....Rancho Silver

BLACK

215.....Dakota Black
(Eagle Black)

MILITARY CAMOUFLAGE

212.....Oak Green
208.....Federal 14087
(Olive Drab)
208A.....Federal 24064
Green

GREEN

157.....Cuby Sport Trainer
(Green)
151.....Everglades Green
156.....Portland Green
160.....Forest Green

GOLD

301M.....Reno Gold

TO ORDER POLY-FIBER COLORS:

Simply specify Poly-Fiber color number from chart above, either PolyTone or AeroThane, and quart or gallon.

BLACK AND DECKER - THE CLASSIC IRON



* Variable Steam - Variable steam to match the amount of steam to the fabric type * Anti-Drip - Anti-Drip system protects fabrics from water spotting even at low temperatures * Aluminum Soleplate - Aluminum soleplate for firm & smooth ironing * Teflon Select™ - Maximum heat for tough wrinkles and crisp creases * Metal Iron Design - Durability * Water Window * Pivoting Cord * Wattage: 1100
P/N 09-00980.....

IRON KIT



Includes large iron and standard small iron, a glass thermometer and silicone heat sink compound.
P/N 09-37420

SILICONE HEAT SINK COMPOUND



For more accurate thermal transfer during iron calibration. 1 oz. Syringe
P/N 09-37450

ENAMELS – REPAIR KITS

FLAMMABLE



POLY-FIBER ENAMELS

A high gloss, fast drying enamel for use on primed metal or fiberglass. Enamels match all 50 Poly-Fiber, Aero-Thane and Poly-Tone colors. Not for use on fabric.

Applications: Thin 3 parts enamel to 1 part enamel reducer. For best results use over EP-420 Epoxy Primer.

QUART GALLON

4 Whites:

Insignia White

Juneau White

Glacier White

Daytona White

All other colors (Color Card #50).....FREE

White

105 Insignia White

110 Juneau White

117 Glacier White

120 Daytona White

Cream

132 Sun Valley Ivory

125 Tucson Cream

131 Diana Cream

Yellow

242 Ag Cat Yellow

136 Lemon Yellow

139 Federal Yellow

145 Lockhaven Yellow

240 Champion Yellow

140 Orange Yellow

143 Cub Yellow

146 J3 OEM Yellow

Orange

142A Eagle Yellow / Orange

182 Pumpkin Orange

183 International Orange

180 Cruiser Orange

Red

189 Madrid Red

187 Eagle Red

191 Pontiac Red

190 Tennessee Red

195 Santa Fe Red

196 Boston Maroon

197 Stinson Maroon

Purple

361 Eagle Purple

Brown

205 Bermuda Tan

203 Elsinore Brown

Blue

165 Lakeland Blue

170 Bahama Blue

173 AN Blue (True Blue)

318M Piper Trainer Blue

177 Eagle Blue

176 Insignia Blue

Grey/Silver

210 Polar Grey

220M Nevada Silver

213A Federal 36321 Grey

213 Ag Cat Grey

219 Jasper Grey

222M Rancho Silver

Black

215 Dakota Black

Military Camouflage

212 Oak Green

208 Federal 14087

208A Federal 24064 Green

Green

157 Cuby Sport Trainer

151 Everglades Green

156 Portland Green

160 Forest Green

Gold

301M Reno Gold

POLY-FIBER ENAMEL HARDENER/GLOSS ADDITIVE

Hardens, increases gloss, increases resistance to staining, chemicals, and chipping. Application: After reducing, add 8-16 oz. per gallon.

Pint..... P/N 09-00681



FLAMMABLE

POLY-FIBER ENAMEL REDUCER

Fast drying thinner for use with Classic Aero Enamel.

Applications:

Thin 1 part reducer to 3 parts enamel.

Quart.....P/N 09-61200

Gallon.....P/N 09-61205

FLAMMABLE

POLY-FIBER REPAIR KIT

Includes: 1 Pint 1" Dope Brush
1 Quart Poly-Tak
1 Quart Poly-Spray
1 Quart Poly-Brush
1 Quart Reducer (Specify 65-75 or 8500)
1 Yard Medium Fabric
4 Sheets #400 Sandpaper
1 3" Curved Needle
10 Feet 2" Surface Tape
1 Thread
With #65-75 Reducer P/N 09-06210

With #8500 Reducer..... P/N 09-06215

CECONITE FABRIC REPAIR KIT

Ceconite 101..... P/N 09-00299.....			
Kit Includes:			
1	1" Brush	1 quart	286 Nitrate Thinner
1	3" Curved Needle	1 quart	Super Seam Fabric Cement
1	3M Wetordry Sandpaper 413	2 quarts	286 Butyrate Thinner
1 quart	G-6302 Rand Nitrate Dope Grain	1 quart	W-8350 Non-Taut Butyrate
1 quart	Ceconite 101 (3.4) 70"	1 Yard	Stits Hand Sewing Thread
1 quart	Rand O- Fill G6303	5 Yards	2" C102 Straight Tape 2"
Ceconite 102..... P/N 09-06225.....			
Kit Includes:			
1	1" Brush	1 quart	Nitrate Thinner
1	3" Curved Needle	1 quart	W-8350 Non-Taut Butyrate
1 quart	Ceconite 102 (2.6oz)	2 quarts	Butyrate Thinner 970
1 sheet	3M Wetordry Sandpaper 413	1 quart	Rand-O-Fill G-6303 QT
1 quart	Super Seam Fabric Cement	6 Yard	C102 Straight Tape 2"
1 quart	G-6302 N/T Nitrate Dope Grain	1	Ceconite Hand Thread 250

FABRIC COVERING TOOL KIT

This kit includes the items most commonly needed to complete your Poly-Fiber covering project.

Kit Includes: 4 1" Disposable Brush
3 2" Disposable Brush
4 Fabric Clamps
1 Florian Pinking Shears
10 1/2" Glue Brush
2 Irons
1 Thermometer
1 12" Straight Needle
1 12" Curved Tip Needle
1 6" Curved Needle
2 Gallon Paint Saver Lid
1 U.S. Safety Respirator Kit, Model 100L
P/N 09-06230



CYCLONE PAINT SHAKER

Only the Cyclone has "Varishake", adjustable haking power that automatically compensate for can size. A Cyclone will give you superior mixing power to quickly and completely separate and disperse individual metallic and pigment particles so you can match intensity and pitch exactly. Then, at a touch, your Cyclone will give your batch an extra gentle agitation while you are painting, to hold the batch in the fully mixed condition. Cyclone helps eliminate problems with panel to panel uniformity. Features: • Clamps cans quickly, easily, positively. • Thoroughly mixes most products in 60 to 90 seconds. • Breaks up and resuspends well settled solids. • Accepts pint through four-liter cans, including U.S. gallon, Imperial gallons, square gallons, and aerosol cans. (Some 5.1 cans, also 1/4 and 1/2 pts. stacked or with spacers.) • Quiet. • Mounts solidly. • Rugged construction. Engineered and manufactured in the U.S.A.

Cyclone Shaker.....P/N 09-00902

Cyclone PedestalP/N 09-00903



POLY FIBER COVERING KIT

The Poly Fiber Covering Kit from Aircraft Spruce includes all of the materials generally required to recover a wide variety of small aircraft (see list below) except the fabric. When you order this Covering Kit from Aircraft Spruce, you can also order the presewn fabric envelope or fabric yardage you will need to recover the aircraft and receive a 10% Poly Fiber Covering Kit and you will see that Aircraft Spruce is the best choice for your covering materials requirements. Count on Poly Fiber's largest distributor ...Aircraft Spruce!

This kit recommended for these aircraft:

• AERONCA CHAMPION
• CALLAIR
• FUNK
• PIPER J3, J4, J5, PA-11, PA-12, PA-14, PA-18, PA-25
• REARWIN

• AERONCA CHIEF
• CITABRIA
• INTERSTATE CADET
• PORTERFIELD

• TAYLORCRAFT

Note: This kit is for aircraft requiring about 45 yards of fabric. Quality required vary by aircraft. Verify quantity shown are correct for your aircraft before ordering kit.

P/N 09-02046

PRE-SEWN POLY-FIBER AND CECONITE ENVELOPES

Presewn envelopes are much easier to install than fabric yard goods. The envelopes are sewn to fit each individual surface depending upon the type of airplane. They can be placed on the surface like a sock. The envelopes are sewn using a special thread and special stitches. Fabric tapes must be placed over all seams. The seams can be sewn chordwise or spanwise for the wings. Individual Pieces Priced Per Each. On presewn envelopes, individual pricing is done by each piece. (i.e. If your airplane is a Stearman, you will have 4 wings. Price shown is per wing - \$86.44. Your cost for all 4 would be: 86.44 x 4 = \$345.76

PLEASE ORDER BY PART NUMBER - Basic part numbers (09-XXX) are shown in the chart. Complete the part number with 10 for wing, 20 for fuselage, 30 for aileron, 40 for stabilizer, 50 for elevator, 60 for flap, 70 for rudder, or 80 for complete set. **After the P/N**, add -1 for Heavy Duty 3.4 oz Polyfiber Fabric, -3 for Medium Weight 2.6 oz. Polyfiber Fabric, -5 for Ceconite 101 fabric, or -6 for Ceconite 102 Fabric. **Prices of envelopes vary based on Fabric selected.** Example: Complete part number for a Stinson 108-1 complete set in Ceconite 102 fabric would be 09-67380-6. Note: All pre-sewn envelopes are non-cancelable, non-returnable special orders items.

PRICES SHOWN ARE FOR CECONITE 102 ONLY

Aircraft	Part No.	Wing (10)	Fuselage (20)	Aileron (30)	Stabilizer (40)	Elevator (50)	Flap (60)	Rudder (70)	Complete (80)
Aeronca 7AC 2place	09-641	.	.	.	.	.	.	.	.
Aeronca 15AC	09-642	.	.	.	.	.	.	.	.
Beech D175/E17D/E17D	09-643	.	.	.	.	.	.	.	.
Beech D18/AT1/Twin	09-644	.	.	.	.	.	.	.	.
1Bellanca14-19/14-13	09-645	.	.	.	.	.	.	.	.
Bellanca Viking	09-646	.	.	.	.	.	.	.	.
Cessna 120/140/170	09-647	.	.	.	.	.	.	.	.
Christen Husky	09-648	.	.	.	.	.	.	.	.
Citabria 7, 8	09-649	.	.	.	.	.	.	.	.
Douglas DC-3	09-650	.	.	.	.	.	.	.	.
Ercoupe	09-651	.	.	.	.	.	.	.	.
Fairchild 24G/RW	09-652	.	.	.	.	.	.	.	.
Fairchild 19/23/26	09-653	.	.	.	.	.	.	.	.
Funk		.	.	.	.	.	.	.	.
Great Lakes 2T1	09-654	.	.	.	.	.	.	.	.
Howard DGA	09-655	.	.	.	.	.	.	.	.
Luscombe	09-656	.	.	.	.	.	.	.	.
Maule 4	09-657	.	.	.	.	.	.	.	.
Maule 5	09-658	.	.	.	.	.	.	.	.
Navy N3N	09-659	.	.	.	.	.	.	.	.
N. American AT6/SNJ	09-660	.	.	.	.	.	.	.	.
N. American P51	09-661	.	.	.	.	.	.	.	.
Piper J2/3	09-662	.	.	.	.	.	.	.	.
Piper J5/PA 12/14	09-663	.	.	.	.	.	.	.	.
Piper PA 15/17	09-664	.	.	.	.	.	.	.	.
Piper PA16	09-665	.	.	.	.	.	.	.	.
Piper Colt	09-666	.	.	.	.	.	.	.	.
Piper PA20/22	09-667	.	.	.	.	.	.	.	.
Ryan PT22/STA	09-702	.	.	.	.	.	.	.	.
Schweizer 119	09-668	.	.	.	.	.	.	.	.
Schweizer 126	09-669	.	.	.	.	.	.	.	.
Schweizer 222	09-670	.	.	.	.	.	.	.	.
Schweizer 233	09-671	.	.	.	.	.	.	.	.
Stearman PT13/17	09-672	.	.	.	.	.	.	.	.
Stinson 108-1, 2, 3	09-673	.	.	.	.	.	.	.	.
Stinson 10A/105/HW75	09-674	.	.	.	.	.	.	.	.
Stinson L5	09-675	.	.	.	.	.	.	.	.
Taylorcraft	09-676	.	.	.	.	.	.	.	.
Waco UPF7	09-677	.	.	.	.	.	.	.	.
J-3 Interior	09-678	.	.	.	.	.	.	.	.
Agricultural Aircraft	Part No.	Wing (10)	Fuselage (20)	Aileron (30)	Stabilizer (40)	Elevator (50)	Flap (60)	Rudder (70)	Complete (80)
1Ag Cat	09-679	.	.	.	.	.	.	.	.
Airtractor	09-680	.	.	.	.	.	.	.	.
Callair A9/A9B	09-681	.	.	.	.	.	.	.	.
Piper PA25/Pawnee	09-682	.	.	.	.	.	.	.	.
Snow	09-683	.	.	.	.	.	.	.	.
Snow C/D	09-684	.	.	.	.	.	.	.	.
Thrush	09-685	.	.	.	.	.	.	.	.
1Weatherly	09-686	.	.	.	.	.	.	.	.
Homebuilts	Part No.	Wing (10)	Fuselage (20)	Aileron (30)	Stabilizer (40)	Elevator (50)	Flap (60)	Rudder (70)	Complete (80)
Acro Sport I	09-687	.	.	.	.	.	.	.	.
Acro Sport II	09-688	.	.	.	.	.	.	.	.
Avid Flyer	09-689	.	.	.	.	.	.	.	.
Baby Great Lakes	09-690	.	.	.	.	.	.	.	.
Bowers Fly Baby	09-691	.	.	.	.	.	.	.	.
Christen Eagle 1 & 2	09-692	.	.	.	.	.	.	.	.
Corbin Baby Ace	09-693	.	.	.	.	.	.	.	.
Kitfox	09-694	.	.	.	.	.	.	.	.
Pitts S1S/S1C	09-695	.	.	.	.	.	.	.	.
Pitts S2S/S2A	09-696	.	.	.	.	.	.	.	.
Smith Miniplane	09-697	.	.	.	.	.	.	.	.
1Sonerai II	09-698	.	.	.	.	.	.	.	.
Starduster I	09-699	.	.	.	.	.	.	.	.
Starduster II	09-700	.	.	.	.	.	.	.	.
Steen SkyBolt	09-701	.	.	.	.	.	.	.	.

COMPLETE SETS

Antiques	Part #	Price
Cessna Airmaster	09-705	.
BMooney Mite	09-717	.
Cessna T50/UC78	09-706	.
AN. American B25	09-718	.
Commonwealth	09-707	.
Porterfield 35/70	09-719	.
BCulver Cadet	09-708	.
Rearwin Sportster	09-721	.

Antiques	Part #	Price
Skyranger	09-722	.
ADeHavilland Heron	09-710	.
Stinson 10/10A/10S	09-723	.
Fleet	09-711	.
Stinson AT19/V77	09-724	.
Funk	09-712	.
Stinson SR5C	09-725	.

Model	Part #	Price
BGrumman TBMS	09-713	.
Stinson SR9	09-726	.
BMeyer OTW	09-714	.
Taylorcraft 15	09-727	.
Monocoupe	09-715	.
DTravel Air 4000	09-728	.
AMooney 20A	09-716	.
Piper PA-18	09-450	.

Homebuilts	Part #	Price
CCassutt 111M	09-730	.
AChipmunk	09-731	.
Corbin Jr. Ace	09-732	.
EAA Bipe	09-733	.
Fokker Tri-Plane	09-734	.
Meyer Toot	09-735	.
Pietenpol	09-736	.
Stampe SV4C	09-737	.
DVolsplane I	09-738	.
DVolsplane II	09-739	.
CWittman Tailwind	09-740	.

¹Does not include fabric for plywood wings - order separately. For individual wing envelope pricing, divide the number of wings on your aircraft into the wing price. ^ATails Only ^BPlywood Or Metal Fuselage

ULTRALIGHT SAILS



Our sails are made in the United States by a top flight sail loft. These sails are made from the highest quality 3.9 oz. Dacron, many of them from the original OEM sail patterns. These sails are guaranteed to fit properly. All sail sets come complete with tail feathers and fuselage covers, except where noted. All sail orders are on custom-fabricated basis. Therefore, please allow an average of three weeks for delivery. There are no refunds on sail sets unless they are defective. Non-refundable 100% deposit or credit card purchase required. A wide selection of sail colors are available. Contact Aircraft Spruce for details on colors, patterns, and custom work. Prices subject to change without notice.

Model	Part No.	Price
Teratorn Aircraft		
Tierra 2-Place Sail set(excludes cabin enclosure)	09-01780	.
Tierra Complete Sail Set	09-01781	.
Tierra Wing Surface set	09-01782	.
T/A Complete Sail Set	09-01783	.
T/A Wing Surface Set	09-01784	.
Teratorn W/S Complete Sail Set	09-01785	.
Tierra Aileron Surface Set	09-01786	.
Elevator Surface Set	09-01787	.
Tierra Horizontal Stabilizer	09-01788	.
T/A Horizontal Stabilizer	09-01791	.
Tierra Vertical Stabilizer	09-01792	.
T/A and Tierra Rudder	09-01793	.
Star Flight Aircraft		
TX 1000 and 2000 Complete Sail Sets	09-01794	.
TX 1000 and 2000 Wing Surface Sets	09-01795	.
Elevator Surface Set	09-01796	.
Horizontal Stabilizer	09-01797	.
Rudder Surface	09-01798	.
Hurricane, Avenger & Phantom Aircraft Complete Sail Set	09-01799	.
Wing Surface Set	09-01801	.
Aileron Surface Set	09-01802	.
Elevator Surface Set	09-01803	.
Horizontal Stabilizer Surface Set	09-01804	.
Upper Vertical Stabilizer	09-01805	.
Lower Vertical Stabilizer	09-01806	.
Rudder Surface	09-01807	.
Advanced Aviation		
Cobra A or B Complete Sail Set	09-01855	.
Cobra A or B Wing Surface Set	09-01856	.
Cobra Aileron Surface Set	09-01857	.
Cobra Horizontal Stabilizer	09-01858	.
Cobra Elevator Surface Set	09-01859	.
Cobra Rudder Surface	09-01860	.
Explorer Complete Sail Set	09-01861	.
Explorer Aileron Surface Set	09-01862	.
Explorer Wing Surface Set	09-01863	.
Explorer Wing Flap Set	09-01864	.
Explorer Horizontal/Elevator Set	09-01865	.
Explorer Vertical Stabilizer	09-01866	.
Explorer Rudder Surface	09-01867	.
Explorer Gap Cover	09-01868	.
Buccaneer 2 & Carrera 180	09-01869	.
Buccaneer 2 Wing Only	09-01870	.
Buccaneer 2 Aileron Set	09-01871	.
Buccaneer 2 Vertical Stabilizer	09-01872	.
Buccaneer 2 Rudder Surface Set	09-01873	.
Buccaneer 2 Stabilizer/Elevator	09-01874	.
Buccaneer 2 Gap Cover	09-01876	.
Buccaneer 2 Flap Set	09-01877	.
Buccaneer SX Sail Set	09-01878	.
Carrera Complete Sail Set(Includes Pylon Cover)	09-01879	.
Carrera Complete Sail Set	09-01880	.
Carrera Wing Surface Set	09-01881	.
Carrera Wing Surface Set	09-01882	.
Carrera Wing Flap Set	09-01883	.
Carrera Aileron Set	09-01884	.
Carrera Pylon Fairing	09-01885	.
Quicksilver Aircraft		
MX Complete Sail Set	09-01736	.
MX Wing Surface Set	09-01737	.
MX Qualifier Complete Sail Set	09-01738	.
MX Qualifier Wing Set	09-01739	.
MX Tapered Stabilizer Option	09-01763	.
MX Horizontal Stabilizer	09-01765	.
MX Rudder Surface	09-01768	.
MX-MXL Elevator Set	09-01764	.
MX2 Complete Sail Set	09-01740	.
MX2 Wing Surface Set	09-01741	.
MX2 H.P. Complete Sail Set (X-tra Ribs/ Tapered Stabilizer)	09-01742	.
Quicksilver Weight Shift Rudder	09-01769	.
Quicksilver Weight Shift Complete Sail Set	09-01743	.
MXL Complete Sail Set	09-01744	.
MXL Wing Surface Set	09-01745	.
MXL Aileron Surface Set	09-01766	.
MXL Tapered Stabilizer	09-01767	.

Model	Part No.	Price
MXL Sport 2 Complete Sail Set	09-01746	.
MXL Sport 2 Wing Sail Set	09-01747	.
MXL Super Sport Complete Sail Set	09-01748	.
MXL Super Sport Wing Sail Set	09-01749	.
Sprint Complete Sail Set	09-01751	.
Sprint Wing Sail Set	09-01752	.
Sprint 2 Sail Set	09-01755	.
Sprint 2 Wing Set	09-01760	.
GT 400 Complete Sail Set(Includes Pylon Cover)	09-01761	.
GT 500 Complete Sail Set	09-01790	.
GT 400 Wing Surface Set	09-01770	.
GT 500 Wing Surface Set	09-01771	.
GT 400/500 Wing Flap Set	09-01772	.
GT 400/500 Aileron Set	09-01773	.
GT 400 Pylon Fairing	09-01774	.
GT 400/500 Stabilizer/Elevator Set	09-01775	.
GT 400 Rudder	09-01776	.
GT 500 Rudder	09-01777	.
GT 400 Vertical Stabilizer	09-01778	.
GT 500 Vertical Stabilizer	09-01779	.
GT 500 Door Set (Left & Right)	09-01762	.
Wizard Aircraft		
Weight Shift Complete Sail Set	09-01808	.
J-3 Complete Sail Set	09-01809	.
J-3 Wing Surface Set	09-01810	.
T-38 Complete Sail Set	09-01811	.
T-38 Wing Surface Set	09-01812	.
J-3 & T-38 Elevator Surface Set	09-01813	.
J-3b & T-38b Elevator Surface Set	09-01814	.
J-3 & T-38 Rudder A or B	09-01815	.
Flight Star Aircraft		
Flight Star Complete 2 Place Sail Set	09-01816	.
Flight Star Complete Single Place Sail Set	09-01817	.
Flight Star Wing Surface Set	09-01818	.
Flight Star Aileron Surface Set	09-01819	.
Flight Star Elevator Surface Set	09-01820	.
Flight Star Horizontal Stabilizer Surface	09-01821	.
Flight Star Vertical Stabilizer	09-01822	.
Flight Star Rudder Surface	09-01823	.
Flight Star 2-Place Left & Right Wing	09-01824	.
Rotec Rally Aircraft		
Rotec Rally 2b & Champ Complete Sail Set	09-01826	.
Rotec Rally 2b & Champ Wing Surface Set	09-01827	.
Rotec Rally Sport Complete Sail Set	09-01828	.
Rotec Rally Rally 3 Complete Sail Set	09-01829	.
Rotec Rally Rally 3 Wing Surface Set	09-01830	.
Rotec Rally Rally Wing Tip Option	09-01831	.
Rotec Rally 2b & Champ Elevator Surface Set	09-01832	.
Rotec Rally 2b & Champ Horizontal Stabilizer	09-01833	.
Rotec Rally Sport Elevator Set	09-01834	.
Rotec Rally Sport Rudder	09-01835	.
BI-RD Aircraft		
BI-RD Complete Sail Set	09-01836	.
BI-RD Wing Surface Set	09-01837	.
Aileron Surface Set	09-01838	.
Elevator Surface Set	09-01839	.
Horizontal Stabilizer Surface Set	09-01840	.
Vertical Stabilizer Surface	09-01841	.
BI-RD Rudder	09-01842	.
Condor Aircraft		
Condor Complete Sail set	09-01843	.
Condor Wing Surface Set	09-01844	.
Elevator Surface Set	09-01845	.
Horizontal Surface	09-01847	.
Rudder Surface	09-01848	.
Weedhopper Aircraft		
Weedhopper Super Nova Set	09-01849	.
Weedhopper C or B Complete Sail Set	09-01850	.
Weedhopper C or B Wing Surface Set	09-01851	.
Weedhopper Stabilizer/Elevator Surface Set	09-01852	.
Weedhopper Sub Fin Surface	09-01853	.
Weedhopper Rudder Surface	09-01854	.

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CECONITE AIRCRAFT MATERIALS



CECONITE FABRIC

Ceconite, 100% polyester fabric is approved for use on most certified aircraft. To be sure to check the master eligibility list in the procedure manual.

CECONITE 101 (3.4 oz.) - Much stronger and far more durable than cotton. It has a probable lifetime durability.
70" Width .. P/N 09-00700 /lin. yd

CECONITE 102 (2.6 oz.) - A fine weave medium weight fabric to be used as a replacement for intermediate weight cotton fabric as described in TSO-C15.
70" Width P/N 09-00900 /lin. yd

UNCERTIFIED LIGHT - 1.7 oz., lightweight fabric recommended for covering ultralight aircraft. This fabric will be unstamped. It is not approved for certified aircraft except over plywood surfaces.

66" Width P/N 09-00921 /lin. yd



SUPER SEAM FABRIC CEMENT

New Super Seam Fabric Cement. Not compatible with original nitrate-based Super Seam. Used to attach Ceconite Fabric to structures. High solids nitrate based cement approved in the Ceconite STC.

1 Qt. P/N 09-18100
1 Gal. P/N 09-18200



POLYESTER THREAD & CORD (FAA APPROVED)

CECONITE - D693 waxed, 600 yds.
P/N 09-41300-1
CECONITE - Flat Braided, 500 yds.
P/N 09-00822

HAND SEWING THREADS - 250 yds
P/N 09-41400

MACHINE SEWING THREAD - 5600 yds..... P/N 09-41500.....
INTERIB BRACING TAPE - 36 yd roll, 1/2"w P/N 09-41560.....



CECONITE REINFORCING TAPES (FAA APPROVED)

Polyester twill with adhesive back. Applied under riblacer, server, or pop rivet to prevent fabric from ripping. 60 yd. length.

1/4" width P/N 09-41230
3/8" width P/N 09-41238
1/2" width P/N 09-41212



CECONITE PROCEDURE MANUAL

STC manual for applying ceconite materials.
P/N 09-01000.....



CECONITE TAPES

This FAA approved process utilizing Ceconite polyester fabrics and the Randolph line of finishes assures a beautiful, durable, weather-resistant cover job every time. The Ceconite cover process was issued Supplemental Type Certificate No. SA4503NM in 1997, and this number will apply to all aircraft. Note: Only Randolph materials may be used through the topcoat paint to comply with STC requirements. Randolph finishes are required for approval. Ceconite is approved for use on most certified aircraft. To be sure, check the Approved Model List in the latest revision of Procedure Manual 101 for the Ceconite Aircraft Covering Process.

LINEAR STRAIGHT TAPES (CECONITE 102)

Width	Roll	Part No.	Price
1"	50 yds.....	09-41010.....	
1.5"	50 yds.....	09-41015.....	
2"	50 yds.....	09-41020.....	
3"	50 yds.....	09-41030.....	
4"	50 yds.....	09-41040.....	
6"	50 yds.....	09-41060.....	

LINEAR PINKED TAPES (CECONITE 102)

1"	25 yds.....	09-41111.....
1.5"	25 yds.....	09-41116.....
2"	50 yds.....	09-41120.....
2"	25 yds.....	09-41125.....
3"	25 yds.....	09-41135.....
4"	25 yds.....	09-41145.....
6"	25 yds.....	09-41166.....

LINEAR PINKED TAPES (CECONITE LIGHT)

1"	25 yds.....	09-41251.....
1.5"	25 yds.....	09-41255.....
2"	25 yds.....	09-00298.....
2"	50 yds.....	09-41252.....
3"	25 yds.....	09-41253.....
4"	25 yds.....	09-41254.....
6"	25 yds.....	09-41256.....

BIAS PINKED TAPES

For use on curved edges.

2"	25 yds.....	09-41165.....
3"	25 yds.....	09-41170.....
4"	25 yds.....	09-41175.....

MAULE FABRIC TESTER



A fine quality tool to test fabric covered aircraft for minimum FAA requirements without removing or punching holes in fabric. Also used to test struts for inside rusting as required by FAA on all Piper aircraft with struts.
P/N 09-14900

MATERIAL REQUIREMENTS FOR ULTRALIGHT AIRCRAFT USING UNCERTIFIED LIGHT FABRIC

USING POLY-FIBER UNCERTIFIED LIGHT FABRIC

25yds..... Uncertified Light Fabric
5 Gal. Poly-Brush
6 Gal. Poly-Spray
2 Qts. Poly-Tak
5 Gal. Reducer
3 Rolls 2" Pinked Tape
1 Roll 3" Pinked Tape
6..... Gal. Poly-Tone
100..... Drain Grommets
15..... Inspection Rings

ESTIMATED MATERIAL REQUIREMENTS FOR COVERING FABRIC AIRCRAFT

(Average aircraft the size of Piper J-3, PA-11, PA-25, Aeronca, Taylorcraft)

USING POLY-FIBER MED-1 FABRIC

45 .. Yards Med-1 Fabric
10 .. Gal. Poly-Brush
11 .. Gal. Poly-Spray
1 ... Gal. Poly-Tak
4 .. Gal. Reducer
1 .. Roll 1" Pinked Tape
7 .. Rolls 2" Pinked Tape
2 .. Rolls 3" Pinked Tape
1 .. Roll 4" Pinked Tape
1 .. Roll 3" Bias Tape
1 .. Roll 4" Bias Tape
1 .. Roll Std. Rib Cord
2... Rolls 1/2" Reinf. Tape
10 .. Gal. Poly-Tone
30... Inspection Rings
100... Drain Grommets

USING CECONITE 102 FABRIC

45 .. Yards Ceconite 102
5 .. Gal. Non-Tautening Nitrate Dope
10 .. Gal. Non-Tautening Butyrate Dope
7 .. Rolls 2" Ceconite Tape
1 .. Ceconite Rib Lacing Cord
1 .. Ceconite machine Thread
10 .. Gal. Colored Butyrate Dope
2 .. Rolls 1/2" Reinforcing Tape
1 .. Gal. New Seam Fabric Cement
5... Gal. Nitrate thinner
24 .. Inspection Rings
100 .. Drain Grommets
30 .. Gal. Butyrate Dope Thinner
100 ... Drain Grommets
10 ... Gal. Silver Butyrate Dope

FABRIC – TAPES



DACRON FABRIC FOR HOMEBUILT AIRCRAFT

Easily controlled shrinkage by the application of heat by either a conventional steam iron or other heat source assures a professional covering job even on the first attempt. It may be coated with aircraft dope, epoxies or other finishes as acceptable to the FAA. Dacron is available in many weights and weaves but three types have been selected as being most suitable as an aircraft covering material. The tensile strength of Grade A and Irish Linen aircraft fabrics is 80 pounds, which may be used as a comparable standard in selecting the proper Dacron fabric weight for a specific application. The 1.8 oz. is a light weight material which is generally used on gliders and over plywood. The 2.7 oz. fabric is comparable in strength to Grade A. The finer weave assures an ultra-smooth texture-free finish. The 3.7 oz. material is a heavy duty fabric for extraordinary service.

NOT for use on certified aircraft.

Weight per Sq. Yd.	Part No.	Strength (Lb./In.)	Width	Price Per Lineal Yd.
1.8 Oz.	09-00100	60	60"	.
2.7 Oz.	09-00300		62"	.
3.7 Oz.	09-00500	130	66"	.



DACRON SURFACE TAPES

The Dacron tapes are made up in the 2.7 oz. weight. Available with smooth edges or with conventional pinked edges. The Dacron tape is not FAA approved. Sold in 50 yard rolls.

Width 50 Yd Roll	Smooth Edge P/N 09-	Price/Roll	Pinked P/N 09-	Price/Roll
1"	15000	.	15450	.
2"	15100	.	15500	.
3"	15200	.	15600	.
4"	15300	.	15700	.
6"	15400	.	15800	.

Discount Schedule for Dacron Tapes: Less 10% for 12 Rolls (assorted) • Less 15% for 25 Rolls (assorted). Request quote on larger quantities.

DACRON BIAS TAPE FOR HOMEBUILT AIRCRAFT



Bias-cut tapes (weave 45° to edge) are especially useful for trimming compound curves on components such as wing tips and tail surfaces. Bias tape will stretch to conform to the contour without wrinkles, without heat-shrinking edges or cutting and notching to remove excess fabric. Stretching reduces the width about 35% so 3" tape should be used to finish areas normally covered with 2" tape. 2" Bias tape will pull to about 1-3/8" width.

2" x 50 Yd. Roll P/N 09-16300

3" x 50 Yd. Roll P/N 09-16400

NOT FOR USE ON CERTIFIED AIRCRAFT



COTTON REINFORCING TAPES

Tape	Size	Part No.	Price/Roll
DDD-T-86F	1/2" x 36 Yds.	09-17000	.



THREADS & CORDS

Only synthetic threads and rib lacing cords should be used with Dacron covering to insure uniform strength. Waxed linen rib cord conforms to specification MIL-C-2520A, Type I.

Material	Quantity	Part No.	Price
Dacron Machine Sewing Thread	500 Yds.	09-03900	.
Dacron Hand Sewing Thread	250 Yds.	09-04000	.



FAB-TAC FABRIC CEMENT

A superior quality cement for strong splice joints. Use to cement tapes, rings and grommets to fabric cover.

1 Pint P/N 09-17800

1 Qt. P/N 09-17900

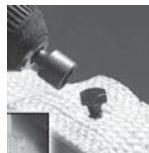
1 Gal. P/N 09-18000



CLOTH MASKING TAPE

Has many uses in aircraft maintenance work. Strip over sharp corners under fabric. Strips on parts under doped fabric will prevent fabric from sticking to parts. Pressure-sensitive adhesive backing. Easily applied, easily removed. Leaves no residue. Should not be applied below 32°F.

1" x 60 yds. P/N 09-17100



DIAMOND BACK TAPE

Advantages: • Save TIME with easy installation • Save OPERATING COSTS with improved energy efficiency • Save REPAIR COSTS with long lasting quality at high temp • Save ON PRICE with quantity discounts

CHARACTERISTICS	
Fibers	Ceramic
Application	Insulation with bolt holes
Weave Style	Drop Warp
Thickness	.125 in
Bolt Diameter	Up to .75 in
Continuous Service	1,800°F
Maximum Use	2,300°F
Durability	High Strength
Coating	Plain or Vermiculite Avail.

Type	Width	Thickness	Roll Length	Part No.	Price
1/8" Thickness - Plain	2"	.125"	100ft.	05-03510	.
1/8" Thickness - Vermiculite Coated	2"	.125"	100ft.	05-03511	.



SOLDERING IRON

Use to melt drain holes and inspection rings in polyester fabric. 35 Watt, 900°F tip. Tip is replaceable & long life coated.

P/N 09-37430



HEAVY-DUTY HEAT GUN

This soft air velocity of this heat gun increases the surface temperature to the required working temperature much faster than conventional heat guns and maintains a higher temperature for faster completion of the application. Features double insulation, two temperature selections of 570°F and 1000°F, and a unique impact resistant heating element. Operates

on 120V AC at 11.6 amps. Air volume 14.8 cu. ft. per minute. Wt. 1-1/2 lbs. P/N 09-00354



DELUXE HEAT GUN

This handy tool gives you a fast, drum-tight, mirror smooth finish. It's ideal for heat-shrinkable covering films. Get a professional finish with less time and effort. 1-year warranty.

Features: • Includes removeable wide nozzle • 1000-watt heating power • Heavy-duty fan motor • Textured, composite hand-grip • 3-position, hot/cool/off switch • Adjustable air intake baffle • Weight: 15 oz • 5.5' AC power cord with P/N 12-00527

2 prong plug



POCKET THERMOMETER

This Pocket thermometer can eliminate 80% of your iron-on covering problems. These problems are caused by your iron's temperature varying as much as 60° while in use, which causes bubbles and sags. If you are using an iron other than Black Baron, this thermometer is a must in monitoring iron temperatures.

P/N 09-37500



PINKING SHEARS

Hot drop-forged of fine cutlery steel. Precision matched teeth. Ball bearing pivot reduces friction and finger fatigue. Length 9".

Right handed P/N 09-00355



STEWART SYSTEMS EKO BOND

Stewart Systems EkoBond is a revolutionary water based cement for the application of fabric. EkoBond has extreme bond strength for fabric to fabric and fabric to non-fabric surfaces in both peel and shear tests. EkoBond is very user friendly since it has very little odor and can be used in a closed shop with no health or fire hazards. EkoBond dries quickly and will not attack primers or enamel paints. EkoBond is non-flammable and environmentally friendly. Available in Quarts & Gallons

Quart..... P/N 09-41195

Gallon P/N 09-41200

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PTI SPECIALTY PAINTS

PTI Specialty Paint & Coatings exclusively from Aircraft Spruce & Specialty Co. are featured in space, aerospace and aviation applications throughout the world -- the Space Shuttle and Space Station projects, the Patriot and Stinger missile projects and in refurbishing of landing gear for commercial aircraft. Now, Aircraft Spruce brings PTI products to General and Sport Aviation.

See PTI Paint Products at www.aircraftspruce.com



1. Paint Stripper
2. Primers: Acid Etch and Epoxy
3. Topcoat: A chemical resistant Polyurethane with UV protectors
4. PTI Polykick™ to accelerate drytime

PTI COMPLETE SPECIALITY PAINT SYSTEM

Note: Strong professional recommendation -- These products have been specifically formulated to work together. So, while PTI's polyurethane will work with other primers and PTI's primers will work with other topcoats, maximum adhesion, durability and performance is achieved when these products are applied as a system. To Purchase Your Specialty Paint System Simply tell us the make and model of your aircraft, and the Federal 595 Color -- see chart on our website at: www.aircraftspruce.com Need a custom color that is not on the chart? -- Ask us, we can help you with that too.



SOLVENTS, REMOVERS, & REDUCERS

PTI-MEK is virgin (not recycled) MEK that may be used to clean and prepare the substrate for painting. PTI-MEK may also be used to clean brushes, paint guns and other painting tools. PTI-Acetone is virgin (not recycled) Acetone that may be used to remove lacquer finishes, for cleanup after painting, and to soften lacquers or acrylics that set up in spray guns or hoses. Acetone is not effective on urethanes and should not be used. Use MEK for cleanup on urethane products. Use only virgin acetone. Recycled acetone can damage virtually anything to which it is applied. PTI-PRB paint remover is a non-toxic paint stripper designed for removing polyurethane and other paint systems. Contains no halogenated solvents, pheno, heavy metals or other toxic materials. It clings to vertical, inclined and overhead surfaces and is slow drying for a long reaction time. PTI-PRB is also free rinsing and it's surfactants are biodegradable. The remover is safe on all aircraft structural metals including high strength steel. This non-toxic stripper conforms to the following specifications: Boeing D6-17487, Douglas CSD-1, T.O. 1-1-8, MIL-R-81249D, Type I & II (partial testing) and AMS 1375B (partial testing). PTI-PRY paint remover is a high performing stripper for removing urethanes, epoxies, primers and enamels. In addition to the fact that it is effective it is economical. PTI-PRY clings to vertical, inclined and overhead surfaces and is suitable for indoor use. This product is safe on most aircraft structural metals including high strength steel, mild steel, cadmium, aluminum, magnesium and copper alloys. The surfactants on this stripper are biodegradable. PTI-PRY conforms to the following specifications: MIL-R-81249D, Types I, II & IV and Class 3 (QPL), T.O. 1-1-8, AMS 1375, DOUGLAS CSD-1, TYPE III, and BOEING D6-17487 REVISION H. PTI-Toluene is virgin (not recycled) toluene that may be used as a reducer for enamels and other coatings in the alkyd family. Do not use with PTI chromate and chromate free primers. Instead, use PT-1022X66 reducer. PT-1045 is a reducer specially formulated to compliment the PTI Air Dry Wash Primer. PT-1022X66 is a reducer specially formulated to compliment the PTI chromate and chromate free primers. PT-1003 Type II is a reducer specially formulated to compliment the PTI Epoxy primer.

Description	Part No.	Price
PRY Paint Remover QT	09-00966	.
PRY Paint Remover Gal	09-00965	.
PRY Paint Remover 5Gal	09-00964	.
PRY Paint Remover Drum	09-00963	.
PRB Paint Remover QT	09-00970	.
PRB Paint Remover 1 Gal	09-00969	.

Description	Part No.	Price
PRB Paint Remover 5Gal	09-00968	.
PRB Paint Remover Drum	09-00967	.
Alkyd&Lacquer Thinner	09-00943	.
Alkyd&Lacquer Thinner	09-00942	.
Mek Qt.	09-00972	.
Mek Gal.	09-00971	.

Description	Part No.	Price
Acetone Qt.	09-00974	.
Acetone Gal.	09-00973	.
Toluene Qt.	09-00976	.
Toluene Gal.	09-00975	.

EPOXY PRIMER

PTI's Epoxy Primer is a low VOC (volatile organic compounds) epoxy polyamide solvent primer which conforms to the military specification MIL-P-23377 Rev. E. This formulation has been tested by the U.S. Government and is on the Federal Government's "Qualified Products List." This coating is highly recommended for use on aluminum and all plated or unplated metallic surfaces to insure maximum protection against corrosion. This primer may be used as an interior or exterior primer that insures maximum adhesion of any paint or lacquer finish coats. In laboratory tests, PTI's epoxy primer maintained its integrity when subjected to the following chemical and other resistance properties tests: Lubricating Oil 24 hr immersion @ 250F - No defects Full Chemical Resistance after 7 days Hydraulic Fluid 24hr immersion @ 150F- No defects-Salt Spray per ASTM B117-1000+ Hrs Methyl Ethyl Ketone-Soaked Cloth 100+rubs - Passes Humidity (Filiform) - 1000+ Hrs DS2 (1,5-Dichloropentane) - Passes.

NOTE: Before applying, refer to the technical data sheet for this product.

***Must be shaken for 15 min. on a paint shaker.**



Description	Part No.	Price
Yellow QT KIT	09-00934	.
Yellow GAL KIT	09-00932	.
Green QT KIT	09-00935	.
Green GAL KIT	09-00933	.
Epoxy Thinner QT	09-00937	.
Epoxy Thinner Gal	09-00936	.

ACID ETCH PRIMER

PTI's Air Dry Wash Primer is a polyvinyl butyral zinc chromate formulation that may be used to prime all plain or plated metallic surfaces. Priming surfaces with this primer will ensure maximum adhesion of all bake or air-dry finish coats (including lacquer finish coats). The finely ground emulsions of zinc chromate pigment, resins and phosphoric acid hardeners are virtually non-settling. Once applied, PTI's Air Dry Wash Primer requires no sanding. For the best results follow the instructions on the technical data sheet. This primer exceeds the performance standards specified in Department of Defense specification (DOD) 15328 and Military Specification MIL-8514.



Description	Part No.	Price
Yellow Acid Etch Primer QT.	09-00948	.
Yellow Acid Etch Primer Gal.	09-00946	.
Yellow Acid Etch Primer 5Gal	09-00944	.
Green Acid Etch Primer QT	09-00949	.
Green Acid Etch Primer Gal.	09-00947	.
Green Acid Etch Primer 5Gal	09-00945	.
Reducer 1045 QT	09-00951	.
Reducer 1045 GAL	09-00950	.

ZINC CHROMATE PRIMER

PTI's Zinc Chromate Primer is formulated to exceed the performance standards in the Federal Specification TT-P-1757. This primer promotes maximum adhesion to bare aluminum and steel and is recommended for that purpose. PTI's zinc chromate primer is a formulation proven to perform.



Description	Part No.	Price
Zinc Chromate Yellow Spray	09-00901	.
Zinc Chromate Yellow QT	09-00919	.
Zinc Chromate Yellow Gal	09-00922	.
Zinc Chromate Yellow 5Gal	09-00952	.
Zinc Chromate Green Spray	09-00895	.
Zinc Chromate Green QT	09-00917	.
Zinc Chromate Green Gal	09-00918	.
Zinc Chromate Green 5Gal	09-00953	.
1022X66 Reducer QT	09-00956	.
1022X66 Reducer Gal	09-00954	.

ZINC OXIDE PRIMER

PTI's Zinc Oxide Primer is formulated to exceed the performance standards in the Federal Specification TT-P-1757 (the chromate free version of that specification). Promotes maximum adhesion to bare aluminum and steel and is recommended for that purpose. Formulated to provide a high performance primer that is considered a safer, more environmentally friendly, alternative to the zinc chromate primer.



Description	Part No.	Price
Zinc Oxide Yellow Spray	09-01617	.
Zinc Oxide Primer Yellow QT	09-00961	.
Zinc Oxide Primer Yellow Gal	09-00959	.
Zinc Oxide Primer Yellow 5Gal	09-00957	.
Zinc Oxide Green Spray	09-00904	.
Zinc Oxide Primer Green QT	09-00962	.
Zinc Oxide Primer Green Gal	09-00960	.
Zinc Oxide Primer Green 5Gal	09-00958	.

PTI SANDABLE PRIMER

PT-573 is a two component epoxy based primer. PT-573 is capable of filling small holes and imperfections before topcoating. PT-573 provides a smooth, sandable base coat that improves the adhesion and appearance of the topcoat. Because of PT-573's unique formula, this primer also provides excellent rust and corrosion protection. This sandable primer is compatible with PTI's epoxy (PT-426F series) and Polyurethane (PT-785 and PT-799 series) topcoats.



Description	Part No.	Price
PTI 573 Sandable Primer 2 gallon	09-02311	.
PTI 573 Sandable Primer 1 gallon	09-02312	.
PTI 573 Sandable Primer Quart	09-02313	.

PTI SPECIALTY PAINTS



SPECIALITY PAINTS POLYURETHANE - ENAMELS

POLYURETHANE/CATALYST CURE: Toxicity: PTI Polyurethane contains no substance of known toxicity under normal conditions of usage. Colors: The Polyurethane is available in clear, white, blacks, grays and most Federal Standard number 595B (FS#) colors or glosses. Custom colors are available upon request. Viscosity: Admixed and reduced (17925) 15 seconds with #4 Ford Cup. Solids: Nonvolatile admixed & reduced (17925) 65% by weight. Weight: Weight per gallon-admixed and reduced (17925) 10.2 lbs./gal. Hardness: Pencil Hardness (17925) 514. Flexibility: 1/4" Mandrel - Passes. Salt Spray: Saturated Salt Spray 1,000 hours minimum. **ENAMEL:** PTI's Enamel is formulated to meet the performance specifications of Federal specification TT-E-489G. This product is a high quality alkyd enamel which performs best when used with PTI's zinc chromate or chromate free primer. It may be applied over wood or metal and is suitable for both interior and exterior applications.

HOW TO ORDER:

For PTI Polyurethane: Qt. Size add -13 after the Part No.
Gal. Size add -14 after the Part No.
For PTI Enamel: Qt. Size add -23 after the Part No.
Gal. Size add -24 after the Part No.

Description	Part No.	Poly.Qt. Price	Poly. Gal. Price	Enamel Qt. Price	Enamel Gal. Price
Boston Maroon	09-10049	.	.	.	.
Elisnore Brown	09-10080	.	.	.	.
Bermuda Tan	09-10324	.	.	.	.
Madrid Red	09-11120	.	.	.	.
Tennessee Red	09-11136	.	.	.	.
Christin Eagle Red	09-11140	.	.	.	.
Intl Orange	09-12197	.	.	.	.
Yellow/Orange	09-12243	.	.	.	.
Pumpkin Orange	09-12246	.	.	.	.
Champion Yellow	09-13275	.	.	.	.
AC Eagle Yellow	09-13415	.	.	.	.
AG Cat Yellow	09-13432	.	.	.	.
J3 OEM Yellow	09-13507	.	.	.	.
Tyson Cream	09-13523	.	.	.	.
Cub Yellow	09-13538	.	.	.	.
Diana Cream	09-13578	.	.	.	.
Lemon Yellow	09-13591	.	.	.	.
Lockhaven Yellow	09-13637	.	.	.	.
Federal Yellow	09-13655	.	.	.	.
Sun Valley Ivory	09-13690	.	.	.	.
Forest Green	09-14036	.	.	.	.
Portland Green	09-14062	.	.	.	.
Federal Green	09-14064	.	.	.	.
Oak Green	09-14079	.	.	.	.
Olive Drab Green	09-14084	.	.	.	.
LAWN GREEN	09-14090	.	.	.	.
Everglades Green	09-14110	.	.	.	.
Cuby Sport Trainer Green	09-14193	.	.	.	.
Insignia Blue	09-15044	.	.	.	.
Twilight Blue	09-15052	.	.	.	.
Christin Eagle Blue	09-15056	.	.	.	.
AN True Blue	09-15102	.	.	.	.
Bahama Blue	09-15180	.	.	.	.
Piper Trainer Blue	09-15182	.	.	.	.
Lakeland Blue	09-15526	.	.	.	.
AG CAT Gray	09-16099	.	.	.	.
Federal Gray	09-16251	.	.	.	.
Rancho Silver	09-16314	.	.	.	.
Polar Gray	09-16357	.	.	.	.
Glacier White	09-16492	.	.	.	.
Daytona White	09-16555	.	.	.	.
Insignia White	09-17925	.	.	---	---
Reno Gold	09-17043	.	.	---	---
Christin Eagle Purple	09-17100	.	.	.	.
Nevada Silver	09-17178	.	.	---	---
Juneau White	09-17886	.	.	---	---

ALL POLYURETHANE PAINTS REQUIRE CATALYST TO CURE!

Note: Polyurethane requires catalyst and the system will add the required amount automatically. If you currently have an adequate supply please notify your sales rep.

Curing: Air Cure-Set to Touch: 4 hrs. maximum Dry Hard: 8 hrs. maximum. Full Chemical Cure: 7 days minimum. Force Cure: Dry Hard: 15 minutes air, then 2 hrs. at 225° F. Full Cure-(After Dry Hard) 2 hrs. at 225° F.

Description	Size	PN	Price
Polyurethane Catalyst	Gal	09-01256	\$120.95
Polyurethane Catalyst	Qt	09-01964	\$56.50
Polyurethane Thinner	Qt	09-01657	\$16.70
Polyurethane Thinner	Gallon	09-01658	\$35.60



PTI POLYKICK™

Other products used with:

Use only with P TI Polyurethanes

Typical Uses: PTI PolyKick is formulated to accelerate the cure time for PTI's polyurethane formulations.

PTI Poly Kick Quart..... 09-01610.....
PTI Poly Kick Gallon 09-01611.....

PTI POLYURETHANE PAINT KIT



This kit will provide all the materials needed to paint any RV or similar size aircraft.

The kit consists of:

- Green Acid Etch Primer & Reducer
- Yellow Epoxy Prime, Catalyst, & Reducer
- Polyurethane White topcoat, with catalyst & Reducer
- Clear coat sold separately

Additional colors are available upon request, for an additional cost.

Paint KIT..... P/N 09-02074
Clear Coat Kit..... P/N 09-02073



PTI COLOR CHART

These samples are an approximate computer representation of the actual color and are to be used for reference only.

P/N 09-01969

ESTIMATED QUANTITIES PTI RECOMMENDED

STRIPPER Small Plane: 3-5 gallons Medium Plane: 9-10 gallons Large Plane: 18-25 gallons	WASH PRIMER Small Plane: 2 gallons Medium Plane: 5 gallons Large Plane: 9-10 gallons Extra Large Plane: 35 gallons
PRIMER Small Plane: 3-4 gallons Medium Plane: 10-11 gallons Large Plane: 18-20 gallons Extra Large Plane: 66-75 Gal.	TOPCOAT Small Plane: 4-5 gallons Medium Plane: 12 gallons Large Plane: 22-24 gallons Extra Large Plane: 75-80 Gal.
PLANE SIZE Small Plane: Cessna, Beechcraft Medium Plane: Lear Jet, Gulfstream Large Plane: Commerical Embraser Commuter Extra Large Plane: Airbus, 747	

PAINT & REDUCERS CROSS REFERENCE CHART

Coating System	Solvent/Reducer
Zinc Chromate & Zinc Oxide Primers	1022X66 Gallon P/N 09-00954 Quart P/N 09-00956
Epoxy Primer	PT-1003 TY 2 Gallon P/N 09-00936 Quart P/N 09-00937
Acid Etch Primer	PT-1045 Gallon P/N 09-00950 Quart P/N 09-00951
Enamel	Toluene Gallon P/N 09-00975 Quart P/N 09-00976
Polyurethanes	PT-1003 TY1 Gallon P/N 09-01658 Quart P/N 09-01657

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DOPES – THINNERS – SOLVENTS

CERTIFIED COATINGS PRODUCTS, located in Los Angeles, has been manufacturing aircraft dopes, thinners and special products for the aircraft industry for 50 years. It is a small company making good quality, high-solids dopes, very competitively priced. Since their products are made locally, we enjoy a tremendous saving in delivery costs which is reflected in the pricing as well. We have handled their line for many years with complete customer satisfaction.

FAA/PMA

In January 2005, Certified Coatings Products received FAA-PMA (Federal Aviation Administration Parts Manufacturing Approval) for use on Ceconite fabric. The products have always been approved for use on any other fabric. (PMA#PQ2435NM)



DOPES, THINNERS, AND SOLVENTS

Product Description	Part No.	Quart Price	Part No.	Gallon Price	Part No.	5 Gal. Price	Part No.	54 Gal. Drum Price
Nitrate Dope, Clear	09-09400	.	09-09500	.	09-09600	.	09-09700	.
Nitrate Dope, Blue Tint	09-09000	.	09-09100	.	09-09200	.	09-09300	.
Nitrate Dope, Clear, Non-Tautening	09-09900	.	09-10000	.	09-10100	.	09-10200	.
Butyrate Dope, Clear	09-10400	.	09-10500	.	09-10600	.	09-10700	.
Butyrate Dope, Clear, Non-Tautening	09-10900	.	09-11000	.	09-11100	.	09-11200	.
Nitrate Thinner	09-11400	.	09-11500	.	09-11600	.	09-11700	.
Butyrate Thinner	09-11900	.	09-12000	.	09-12100	.	09-12200	.
Retarder, Nitrate*	09-12400	.	09-12500	.	09-12600	.	---	---
Retarder, Butyrate*	09-12800	.	09-12900	.	09-13000	.	---	---
Acetone	09-13200	.	09-13300	.	09-13400	.	09-13500	.
MEK	09-13700	.	09-13800	.	09-13900	.	09-14000	.
Toluene	09-14100	.	09-14200	.	09-14300	.	---	---

*Add 5% to 10%, as needed, of this blend of fast-cutting, high-boiling solvents to prevent dope blushing under conditions of high humidity. Also improves flow by slowing drying time.

Certified Coatings offers only a limited number of colors in butyrate dope which have been selected as standards. The colors will match as closely as possible the corresponding color on the Randolph selection card reproduced in this catalog.

CERTIFIED COATINGS SPECIAL SOLVENTS

Product	P/N 09-	Quart	P/N 09-	1 Gal.	P/N 09-	5 Gal.
Acetone	13200	.	13300	.	13400	.
MEK	13700	.	13800	.	13900	.
Toluene Paint Remover	05702	.	05711	.		

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CERTIFIED COATINGS COLORED BUTYRATE DOPE



Product Description	Product No.	Quart	Price Gallon	5 Gallon
Chrome Yellow	8520	.	.	.
Daytona White	8125	.	.	.
Juneau White	8415	.	.	.
Miami Blue	8611	.	.	.
Insignia Blue	8124	.	.	.
Cub Yellow	8522	.	.	.
Tennessee Red	8321	.	.	.
Insignia Red	8350	.	.	.
Plain White	8120	.	.	.

To Order: Use Product # plus "QT" for Qt., "1G" for Gal. and "5G" for 5 Gal.

Color	Certified Coatings	Randolph Equivalent	Color	Certified Coatings	Randolph Equivalent
#8125	Daytona White	Daytona White	#8321	Tennessee Red	Pontiac Red
#8415	Juneau White	Juneau White	#8350	Insignia Red	Castilian Red
#8522	Cub Yellow	Cessna Wildcat Yellow	#8120	Plain White	Insignia White
			#8520	Chrome Yellow	Baja Yellow

NON-TAUTENING BUTYRATE DOPE - RED TINT

Tinted enough to see where you are spraying. Three sizes available.

Quarts..... P/N 09-02175

Gallon..... P/N 09-02176.....

5 Gallon P/N 09-02177



CERTI-FILL SILVER

This non-tautening butyrate UV barrier can be sprayed or brushed over nitrate or butyrate coatings for optimum ultra-violet ray protection.

Quart P/N 09-12300

Gallon P/N 09-12310

5 Gallon P/N 09-12320



SURE SEAM FABRIC CEMENT

Sure Seam is a high quality, high tack fabric cement which has excellent bonding properties.

Quart P/N 09-13330

Gallon P/N 09-13340

RANDOLPH AIRCRAFT COATINGS



Randolph coatings are the FAA-approved coatings for the Ceconite STC covering process.



210 NITRATE DOPE, TAUTENING, CLEAR, HI-SOLIDS

Used only on Grade A cotton or Irish Linen. A premium high solids nitrate dope that tightens natural fabric as it dries. Not for use on Ceconite or heat-shrunk synthetic fabrics. Thin 1:1 w/286 Nitrate Thinner.

Quart.....P/N 210-QT
Gallon.....P/N 210-1G
5 Gallons.....P/N 210-5G



W-7868 NITRATE DOPE, TINTED, NON-TAUTENING (BLUE)

Initial coating for Ceconite or heat shrunk polyester fabric. Additional plasticizers slow shrinking after application. Thin 1:1 with 286 Nitrate Thinner.

Quart.....P/N W-7868-QT
Gallon.....P/N W-7868-1G
5 Gallons.....P/N W-7868-5G



E-4964 NITRATE DOPE, CLEAR, NON-TAUTENING

Initial coating for Ceconite or heat shrunk polyester fabric. For use on open cockpit aircraft where tinted dope is not desired. Thin 1:1 w/286 Nitrate Thinner.

Quart.....P/N E-4964-QT
Gallon.....P/N E-4964-1G
5 Gallons.....P/N E-4964-5G



G-6302 RAND-O-PROOF NITRATE DOPE (GREEN)

Special formulation of nitrate dope and additives for the initial coat on Ceconite fabric and for applying tapes. This is the recommended first coat in the Ceconite/Randolph system. Thin 1:1 with 286 Nitrate Thinner.

Quart.....P/N G-6302-QT
Gallon.....P/N G-6302-1G
5 Gallons.....P/N 09-01017



286 NITRATE THINNER

Used 1:1 to thin nitrate dopes & Rand-O-Proof.

Quart.....P/N 286-QT
Gallon.....P/N 286-1G
5 Gallons.....P/N 286-5G



9701 BUTYRATE DOPE, TAUTENING, CLEAR

Used only on Grade A Cotton or Irish Linen to tighten the fabric as it dries. Not for use on Ceconite or heat-shrunk synthetic fabrics. Thin 1:1 with 9703 Butyrate Thinner.

Quart.....P/N 9701-QT
Gallon.....P/N 9701-1G
5 Gallons.....P/N 9701-5G



W-8350 BUTYRATE DOPE TINTED, NON-TAUTENING (TAN)

This non-taughtening butyrate dope features an increased level of plasticizer and will not tauten excessively. Takes longer to dry than standard butyrates. Tinted. Used to apply finishing tapes. Additional plasticizers slow shrinking. **TINTED LIGHT TAN BUT DRIES CLEAR.** Recommended initial build butyrate coating to follow Rand-O-Proof in the Ceconite/Randolph system. Thin 1:1 with 9703 Butyrate Thinner.

Gallon.....P/N 09-00788
5 Gallons.....P/N 09-00789



J3000 BUTYSOLV REJUVENATOR

Used to soften older dope coatings which exhibit cracking or ring-worming. Restores plasticizers in aged finishes to add flexibility. Only works on aircraft painted with butyrate dope; will not work on polyurethane top-coat finishes.

Quart.....P/N 09-14505
Gallon.....P/N 09-14510
5 Gallons.....P/N 09-14515



G-6303 RAND-O-FILL BUTYRATE (SILVER)

Rand-O-Fill G-6303 is a non-tautening butyrate material designed as the aluminum spray coat over Rand-O-Proof G-6302, over Nitrate Clear Dope or Butyrate clear Dope. Allow to dry. Wet sand to desired smoothness. Wash and allow surface to completely dry before applying following coat. Thin as needed with Butyrate Thinner.

Quart.....P/N G-6303-QT
Gallon.....P/N 09-01018
5 Gallons.....P/N 09-01019



701 ALUMINUM PASTE

A fine mesh paste which is easier to use than powder. Mix 4 oz. by weight of paste to one gallon of clear butyrate dope before thinning.

1 Lb.....P/N 09-14500



9703 BUTYRATE THINNER

Used 1:1 to thin butyrate dopes & pigmented butyrate colors.

Quart.....P/N 9703-QT
Gallon.....P/N 9703-1G
5 Gallons.....P/N 9703-5G



Y-9910 UNIVERSAL RETARDER

Prevents blush in nitrate and butyrate products. Also used to slow nitrate and butyrate drying in high temperatures.

Quart.....P/N Y-9910-QT
Gallon.....P/N 09-01048
5 Gallons.....P/N 09-01049



A-1690 BUTYRATE DOPE, NON-TAUTENING (CLEAR)

For use as a build coat after E-4964 Non-Tautening Nitrate (Clear) on open cockpit aircraft where tinted dope is not desired. Thin 1:1 with 9703 Butyrate Thinner.

Quart.....P/N 09-00817
Gallon.....P/N 09-00818
5 Gallons.....P/N 09-00819



MATERIAL REQUIREMENTS FOR AVERAGE SIZE AIRPLANE USING RANDOLPH FINISHES AND CECONITE FABRIC

• 45 yds. 70" Ceconite 102	• 5 gal. Nitrate Thinner
• 5 gals. Rand-O-Proof	• 10 gal. Rand-O-Fill
• 10 gals. NT Butyrate	• 30 gal. Butyrate Thinner
• 3 gal. Universal Finishing Retarder	• 10 gal. (White) Butyrate Dope
• 13 rls. Pinked Ceconite Tape	• 1 rl. Ceconite Rib Lacing Cord
• 2 rls. 1/2" Reinforcing Tape	• 100 Plastic Drain Grommets
• 30 Inspection Rings	• 1 gal. Rand-O-Bond
TOTAL (Estimate).....\$ 3,500	

RANDOLPH FLOAT LACQUER

This specialty product is used as a spray on the bottom of aluminum floats on amphibious aircraft to protect them from marine growth. Reduce with Randolph 286 Nitrate Thinner.

Qt.....P/N 09-00830
Gal.....P/N 09-00831
5 Gal.....P/N 09-00832



RANDOLPH ACID-PROOF BATTERY BOX BLACK PAINT #345

Battery Box Black Paint is an asphaltic coating used to provide protection from battery acid in battery boxes and compartments. It is generally applied with a brush or roller to any metal area that may be exposed to leaking battery acid. Shelf life: Guaranteed 2 years from date on manufacture in sealed container in protected storage. Coverage: 225 square feet per gallon with one coat. Mixing: Stir well before use. Thinning: Use out of the can. If thinning is necessary, thin five parts paint to one part 286 Nitrate Thinner. Application: Apply with a brush. Three coats will provide the best possible protection to epoxy primed metal surfaces. Qt.....P/N 344-QT



55 Gallon Drums - For 55 gallon drum of Randolph product, use basic P/N D55 - Example: 210-D55

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RANDOLPH FINISHES



RANDOLPH COLOR PRODUCTS
RANDOLPH COLORED NON-TAUTENING BUTYRATE DOPE - The final color coat applied over fabric in the Ceconite/Randolph system. Available in 50 standard colors. Thin one to one with 9703 Butyrate Thinner. One thinned gallon covers approximately 200 sq ft with one coat.

RANTHANE POLYURETHANE FINISH

Ranthane is a low viscosity, very high solids polyurethane material resulting in low film weight providing a lasting high gloss. Will withstand most chemicals, engine oils, and hydraulic fluids. Has superb adhesion and abrasion resistance as well as high temperature resistance. For fabric and primed metal.

RANTHANE HIGH SOLIDS CATALYST -

Pint P/N 09-00328
 Use w/ High Solid Polyurethane

Qt P/N 09-00400
RANTHANE ACCELERATOR - Qt P/N D-7201-QT

RANTHANE REDUCER - Qt P/N G-4200-QT
 Gal P/N G-4200-1G

The FAA has approved the use of Ranthane over Poly-Fiber. To order Ranthane colors, please specify Randolph color from chart on right and specify quart or gallon.

NOTE: Randolph paints are now manufactured by Consolidated Coatings and will not exact match old Randolph colors. If you are ordering to match old Randolph colors, please provide a paint sample that can be matched by the factory.

MARK II FOR METAL (NOT FOR USE ON FABRIC)

A tough, long-lasting, two-part topcoat paint catalyzed with a non-isocyanate catalyst. Supplied air respirator not required when spraying. Available in same 50 colors as Colored Butyrate Dope and Ranthane for use over primed metal or composite parts. Mix 1:1 with Mark II Mixing Liquid.

MARK II MIXING LIQUID - Combination of catalyst and thinner to be used with Mark II for Metal paint.

Qt P/N 09-02193
 Gal P/N 09-02194

MARK II THINNER - Used as needed to thin Mark II for Metal after combining with Mark II Mixing Liquid to increase flow out.

Pt P/N 09-02195
 Qt P/N 09-02196
 Gal P/N 09-02197

FAST-DRY ENGINE ENAMELS

Formulated to be heat resistance and maintain good gloss and color retention. For use in the painting of engine crank cases and cylinders, after major overhaul or for general maintenance. Can also be used on engine mounts and supports. Service temperature is 300-350 degrees F. Reduction: Thin to correct spray viscosity with #257 Enamel Thinner (approximately 20% reduction). Application: Spray two coats. Allow to dry to the touch between coats.

Color	Part		Gallon	
	Part No.	Price	Part No.	Price
303 Black	303-QT	.	303-1G	.
D-5973 Continental Gold	D-5973-EQ	.	D-5973-EG	.
G-5436 Lycoming Gray	G-5436-EQ	.	G-5436-EG	.



RANDOLPH ENAMEL THINNER
 Fast drying thinner for use with Randolph Aircraft Enamels and Fast Dry engine Enamels.

Qt P/N 257-QT
 Gal P/N 257-1G

PAINT VISCOSITY CUPS



A precision tool to accurately measure paint viscosity when spraying automotive and aircraft finishes. Consists of a nylon cup with a precisely sized small hole in the bottom. As paint flows through the hole, time the rate of flow. Adjust viscosity by adding thinner as required to produce recommended flow for product being used.

P/N 01-25400.....

RANDOLPH COLOR SELECTIONS AND PRICES



COLORS	BUTYRATE		Mark II	
	For Fabric Only		For Metal Only	
	t.	Gals.	t.	Gals.
Reds				
B-3534 Madrid Red
B-9163 Colorado Red
M-9522 Tennessee Red
M-9530 Vermillion Red	.	----	.	.
W-3665 Pontiac Red
J-9555 Cadillac Red
H-9150 Santa Fe Red
X-5680 Boston Maroon*
X-5749 Stinson Maroon
Standard Colors				
M-9526 Cruiser Orange
C-2065 Ocala Orange
E-6427 Aeronca 7AC Yellow
M-9512 Lemon Yellow
M-9501 AN Orange Yellow
F-6285 Cub J-3 Yellow
M-9521 Lock Haven Yellow
Y-5783 Dallas Yellow*
D-9270 Ag Cat Yellow
N-3353 Federal Yellow
F-2406 Federal Green
F-5830 Montego Green*
Y-6350 Forest Green*
W-3554 Lakeland Blue
W-9506 AN True Blue
H-9170 Bahama Blue
X-5700 Miami Blue
M-9502 Insignia Blue
Z-7245 Sun Valley Ivory
M-9518 Diana Cream
X-5260 Tucson Cream*
Q-1050 New Insignia White
W-9170 Tropic White
K-7641 Vestal White
B-4243 Juneau White
J-9545 Daytona White
Q-1916 Randolph White
F-7790 AG Cat Gray
R-4870 Neutral Gray
R-8174 Platinum Gray
Y-6100 Polar Gray
H-6117 Black
R-8175 Sandalwood*
Y-9775 Hickory Brown	.	----	.	.
R-4869 Olive Drab* (Glossy)
E-6428 Aeronca 7AC Orange
P-8600 Cessna Tiger Orange
Metallic Colors				
W-8427 Tampa Green*
W-8430 Newport Blue*
M-9514 Silver
B-9916 Reno Gold

How to Order: Use these dash #'s to complete Randolph color part #'s:
 Butyrate: Qts -BQ, Gallons -BG; Example: P-8599-BG

3M™ ABRASIVES



3M™ STIKIT™ DISC PAD 05575

For use with 5 diameter Stikit™ Discs. Has medium density foam and a 45° tapered edge for flexibility. These lightweight, shock-resistant pads have a vinyl face (blue) that provides excellent disc adhesion yet allows quick, easy removal.

Color	Size	Part No.	Price
Blue	5" x 3/4"	09-01535	.

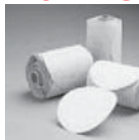
3M™ STIKIT™ DISC HAND PAD 11063



Use with 5 diameter Stikit™ Discs. Made with soft density foam for conformability. Has 1 inch wide strap for holding the pad to the operators hand.

Size	Part No.	Price
5" x 1"	09-01448	.

3M™ STIKIT™ PAPER DISC ROLL 236U



Constructed of durable aluminum oxide; works well for most wood species. The open coat feature provides a more aggressive cut than a comparable closed coat abrasive of the same grade and a special loading resistant coating makes this disc a good choice when loading is a problem. The C weight, paper backing is more durable for extended

disc life and harsher sanding applications.

Style #	Grade	Weight	Size	Qty.	Part No.	Price
236U	P80	C	5" x NH	100	09-01572	.
236U	P100	C	5" x NH	100	09-01573	.
236U	P120	C	5" x NH	100	09-01574	.
236U	P150	C	5" x NH	100	09-01575	.
236U	P180	C	5" x NH	100	09-01576	.
236U	P220	C	5" x NH	100	09-01577	.
236U	P240	C	5" x NH	100	09-01578	.
236U	P320	C	5" x NH	100	09-01579	.
415U	80	A	5" x NH	125	09-01558	.
415U	100	A	5" x NH	125	09-01559	.
415U	120	A	5" x NH	125	09-01560	.
415U	150	A	5" x NH	250	09-01561	.
415U	180	A	5" x NH	250	09-01562	.
415U	220	A	5" x NH	250	09-01563	.
415N	240	A	5" x NH	250	09-01449	.
415N	320	A	5" x NH	250	09-01450	.



3M™ SCOTCH-BRITE™ GENERAL PURPOSE HAND PAD

Most universally used in a variety of applications. Excellent starting point to clean, finish, grain, denib and defuzz. May be used by hand, with a hand pad block, or on an in-line sander.

Grade	ID	Part No.	Price
VFIN	7447	09-01503	.



3M™ SCOTCH-BRITE™ HEAVY DUTY HAND PAD

Tight and dense, this pad is the most aggressive and durable web. Excellent for heavy cleaning, deburring, and finishing. May be used by hand, with a hand pad block or on an in-line sander.

Grade	ID	Part No.	Price
MED	7440	09-01504	.



3M™ SCOTCH-BRITE™ LIGHT DUTY CLEANSING PAD

Conformable web and fine mineral are excellent for fine finishes, light cleaning. Among our least aggressive abrasive hand pad. May be used by hand, with a hand pad block or on an in-line sander.

ID	Grade	Part No.	Price
7445	SFIN	09-01415	.



3M™ SCOTCH-BRITE™ SR RADIAL BRISTLE DISC

Bristles are idea for cleaning, blending and deburring.

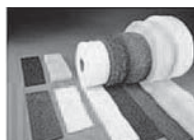
2"	09-01416	.
3"	09-01417	.

3M™ WETORDRY™ PAPER SHEET 431Q



A silicon carbide Wetordry™ abrasive product constructed on a C weight, intermediate paper backing. Can be run wet or dry. 9"x11" sheets.

Grade	Part No.	Price	Grade	Part No.	Price
600	09-01446	.	240	09-01529	.
360	09-01526	.	220	09-20600	.
400	09-20900	.	150	09-01532	.
320	09-20800	.	120	09-20550	.
280	09-20700	.	100	01-37700	.



3M™ SCOTCH-BRITE™ CLEAN AND FINISH

Flexible web for finishing, blending, and polishing. Conformable for access to hard-to-reach areas. Great for general use on a variety of materials. Use manually or on an in-line sander.

Description	Size	Part No.	Price
3M Clean and Finish Medium	4" x 30 FT. Roll	09-01500	.
3M Clean and Finish Fine	4" x 30 FT. Roll	09-01501	.

3M™ ROLOC™ DISC PAD ASSEMBLY



Rubber backup pads available in different degrees of hardness for varying grinding applications. Backup pad designed to support 3M™ Roloc™ abrasive discs. This pad has a -20 INT thread which allows it to be mounted directly to tools with -20 EXT threaded shaft or the included 1/4" diameter shank that fits 1/4" collet chucks or drill chucks.

Description	Part No.	Price
45902 - 3" Med. Disc Pad and Shank	09-02129	.
45095 - 2" Med. Disc Pad and Shank	09-02130	.
452099 - 1.5" Med. Disc Pad and Shank	09-02131	.
Replacement Parts	Part No.	Price
45092 - 3" Med. Disc Pad	09-01554	.
45095 - 2" MED. Disc Pad	09-01555	.
45099 - 1.5" MED. Disc Pad	09-01556	.
1/4 inch Diameter shank	09-01557	.



3M™ SCOTCH-BRITE™ ROLOC™ TR SURFACE CONDITIONING DISC

A non-woven abrasive product used for cleaning, finishing, blending and deburring applications. A threaded attachment system secures the disc to the holder.

Grade	Size	Part No.	Price	Grade	Size	Part No.	Price
ACRS	1.5"	09-01510	.	AVFN	2"	09-01505	.
AMED	1.5"	09-01511	.	AMED	3"	09-01509	.
AVFN	1.5"	09-01512	.	ACRS	3"	09-01508	.
ACRS	2"	09-01506	.	AVFN	3"	09-01507	.



3M™ SCOTCH-BRITE™ ROLOC™ TR EXL UNITIZED WHEEL

High performance and durability for deburring and finishing applications. Threaded attachment system secures the wheel to the holder.

Size	Grade	Part No.	Price
2"	MED 2A	09-01514	.
2"	MED 6A	09-01516	.
3"	MED 2A	09-01515	.
3"	MED 6A	09-01517	.



3M™ SCOTCH-BRITE™ ROLOC™ BRISTLE DISC

Brush-like bristle disc removes coarse coatings from the large, open areas of a work piece. Works on right angle tools quickly and easily with little or no pressure.

Size	Grade	Part No.	Price
2" 5/8"	Tapered 120 GRDE	09-01520	.
2" 5/8"	Tapered 50 GRADE	09-01518	.
2" 5/8"	Tapered 80 GRADE	09-01519	.

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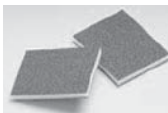
3M™ ABRASIVES - ADHESIVES



3M™ GREEN CORPS™ CUT OFF WHEEL

Wheel is designed to provide high cut rates and long life on most all materials including fiberglass, stainless steel, mild steel and aerospace alloys. Ideal for use on a wide variety of utility type cut off tools. Do not use on tools without guards.

ID	Size	Part No.	Price
01985	3"x1/32"x3/8"	09-01521	.
01986	3"x1/16"x3/8"	09-01522	.
01994	4"x1/32"x3/8"	09-01524	.
82238	3"x1/32"x1/4"	09-01570	.
83488	4"x1/16"x3/8"	09-01571	.
88755	4"x1/32"x1/4"	09-01580	.
01986 5 Pack	3"x1/16"x3/8"	09-01523	.



3M™ FLEXIBLE SANDING PAD

Use for either dry or wet sanding. Rinse and reuse. Ideal for sanding wood, paint, metal, plastic and drywall. Comfortable, flexible and convenient. Available in fine or medium grade with abrasive on two sides.

Size	Desc	Part No.	Price
4-3/4"x3-3/4"x1/2"	Fine	09-01419	.
4-3/4"x3-3/4"x1/2"	Medium	09-01418	.



3M™ FOAMFAST 74 SPRAY ADHESIVE

For bonding flexible urethane or latex foam together or to many other materials like wood, metal, and non-vinyl plastics. 24 oz. Can. Orange in color.

P/N 09-01394.....



3M™ POLYSTYRENE FOAM INSULATION 78

3M™ Polystyrene Foam Insulation 78 Spray Adhesive is a high solids aerosol. Adjustable lace spray minimizes overspray and cleanup. Ideal for attaching fiberglass, expanded polystyrene foam and extruded polystyrene foam insulation. Effective up to 140°F. 24 oz. can, clear in color.

P/N 09-01378.....



3M™ REPOSITIONABLE 75 SPRAY ADHESIVE

This adhesive provides tape-like bonds on many lightweight materials. It adheres in seconds, yet has an extra-long tack range that allows you to lift and reposition materials. 16 oz. Can.

P/N 09-01377.....



3M™ RUBBER AND VINYL 80 ADHESIVE

First true contact adhesive in aerosol form. It has exceptional resistance to plasticizing oils. Bonds rubber and supported vinyls better than many typical bulk neoprene contact adhesives. 24 oz. can

P/N 09-01396.....



3M™ SCOTCH-WELD™ URETHANE ADHESIVE DP601/ DP601NS

3M™ Scotch-Weld™ DP601 is a self-leveling, gray, rapid setting, two-component polyurethane adhesive. It is packaged as 1:1 ratio liquids in duo-pak cartridges. With the squeeze of the trigger, the components are automatically mixed and easily dispensed as a bubble-free liquid. DP601NS is the same as the DP601 except it is a non-sag, gray, rapid setting, two-component polyurethane adhesive.

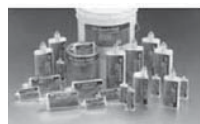
Description	Size	Color	Part No.	Price
DP601 (Self-leveling)	12 oz	Gray	09-01413	.
DP601NS (Non-Sag)	50 ml	Gray	09-01412	.



3M™ HI-STRENGTH 90 SPRAY ADHESIVE

High strength, fast contact-type adhesive. Fast contact strength buildup for many decorative laminates. Only needs 1 minute of drying time.

Size	Part No.	Price
24 oz	09-01376	.



3M™ SCOTCH-WELD™ EPOXY ADHESIVE

Fast setting, flexible, two-part adhesive with a 1:1 mix ratio for bonding many materials, such as metals, ceramics and many plastics. 9 minute work life with handling strength in 20 minutes.

Size	Color	Part No.	Price
200 mL	Translucent	09-01405	.
400 mL	Translucent	09-01406	.



3M™ SCOTCH-WELD™ EPOXY ADHESIVE DP125 DUO-PAK

Two-part epoxy adhesive with a 1:1 mix ratio, 25 minute work life and exhibits very high peel strength. Moderately flexible and the gray version has exceptional shear adhesion. Use to bond rubber, metal, wood, plastics, and masonry products.

Size	Color	Part No.	Price
1.7 oz	Gray	09-01403	.
1.7 oz	Translucent	09-01402	.



3M™ SCOTCH-WELD™ EPOXY ADHESIVE DP100 PLUS

Exhibits much higher shear and peel strengths compared to DP100 Adhesive. It has a 1:1 mix ratio, a 4 minute work life, and is slightly flexible when cured. Clear in color. 1.7 oz. package.

P/N 09-01401.....

3M™ SCOTCH-WELD™ EPOXY ADHESIVE DP190 DUO-PAK



A flexible, two-part adhesive that cures at room temperature and provides high strength bonds with good performance in shear and peel. Can be used to bond rubber, metal, wood, most plastics, and masonry products.

Size	Color	Part No.	Price
1.7 oz	Gray	09-01375	.
200 mL	Gray	09-01404	.



3M™ SCOTCH-WELD™ EPX™ APPLICATORS AND ACCESSORIES

Mixing nozzle will perform to your requirements. With consistent air pressure for easy uniform application, the Duo-Pak cartridge will give you the flow rate needed. Fast, convenient way to simultaneously meter, mix and apply two-part adhesives and potting compounds. System features handy 3M™ Scotch-Weld™ EPX™ Cartridges that snap quickly into the durable, lightweight Scotch-Weld™ EPX™ applicator. A slight squeeze on the trigger advances the plunger into the cartridge. Accurate measurement and the mixing nozzle provides thorough mixing and precise placement of material. Ideal system for assembly, maintenance and in-field service.

Size	Color	Part No.	Price
50 mL	EPX Metal Applicator w/Plunger	09-01371	.
50 mL	EPX Mixing Nozzle 9742	09-01372	.



3M™ SCOTCH-WELD™ EPX™ PLUS II APPLICATOR

This Plunger is for the Scotch-Weld™ EPX™ Plus II Applicator. The Scotch-Weld™ EPX™ Plus II Applicator is used to Dispense 3M™ Scotch-Weld™ Adhesives in Duo-Pak Cartridges. The applicator is a low-cost portable, self contained metering, mixing and dispensing machine that simultaneously meters and mixes two-part adhesives as the material is applied.

P/N 09-01380.....



3M™ SCOTCH-WELD™ EPX™ APPLICATOR NOZZLE

Applicator nozzle designed for both the 200 mL and 400 mL applicators.

P/N 09-01408.....

3M™ ADHESIVES - AUTOMOTIVE PRODUCTS

3M™ SCOTCH-WELD™ URETHANE ADHESIVE DP605NS



A fast setting, urethane adhesive. Its non-sag properties make application on many vertical surfaces easy. Has a 5 minute work life and is excellent for filling gaps. Adheres to wood, plastic and primed metal. Reaches handling strength in 15 to 20 minutes. 1.7 oz. Bottle. Color is off white.

P/N 09-01395.....

3M™ SCOTCH-WELD™ EPOXY ADHESIVE 2216 B/A



A flexible, two part, room temperature curing epoxy with high peel and shear strength. Scotch-Weld epoxy adhesive 2216 B/A is identical to 3M™ Scotch-Weld™ Epoxy Adhesive EC-2216 B/A in chemical composition. Scotch-

Weld epoxy adhesive EC-2216 B/A has been labeled, packaged, tested, and certified for aircraft and aerospace applications. Scotch-Weld epoxy adhesive 2216 B/A may be used for aircraft and aerospace applications if proper Certificates of Test have been issued and material meets all aircraft manufacturer's specification requirements.

SIZE	COLOR	DESCRIPTION	PART NO.	PRICE
2 oz.	Gray	Adhesive 2216 B/A	02-00045	.
Pint	Gray	Adhesive 2216 B/A	02-00113	.
Quart	Gray	Adhesive 2216 B/A	02-00114	.

3M™ SCOTCH-WELD™ INSTANT ADHESIVE CA40H



One-part, high strength, very fast setting adhesive cures at room temperature. Adheres to difficult to bond substrates such as EPDM rubber, aluminum, and flexible vinyl. Comes in a 1 oz. Bottle. Clear.

P/N 09-01368.....

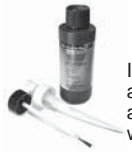
3M™ SCOTCH-WELD™ INSTANT ADHESIVE CA8



This instant adhesive has a fast set time of 5 to 40 seconds. Excellent adhesion on metal, plastic and rubber. Bonds resist shock and impacts. A cyanoacrylate adhesive. Comes in a 1 oz. bottle.

P/N 09-01366.....

3M™ SCOTCH-WELD™ INSTANT ADHESIVE SURFACE ACTIVATOR



It is ideal for use with all 3M Cyanoacrylate Adhesives for a broad range of industrial and electronic applications. It is also ideal for use with CA-5, CA-9, or CA-50 Gel for many wire tacking and coil terminating applications.

P/N 09-01407.....

3M SCOTCH-GRIP™ HP CON- TACT ADHESIVE



A high performance contact adhesive that provides a long bonding range and excellent initial strength.

1357 Grey/OLIV..... P/N 09-01362.....

1357 Neutral 1G..... P/N 09-01373.....

3M™ SCOTCH-GRIP™ PLASTIC ADHESIVE 2262



A clear, non-staining high strength adhesive with exceptional resistance to plasticizer migration. Develops tack very rapidly. Can be used to bond many flexible, rigid and extruded vinyls to metal and many other surfaces. Comes in a 1 qt. can.

P/N 09-01365.....

3M™ SCOTCH GRIP RUBBER ADHESIVE



Lower viscosity, sprayable version of Scotch-Weld Neoprene High Performance Rubber and Gasket Adhesive 1300. Has excellent adhesion to metal, baked enamel, wood, most plastics, and neoprene, reclaim, SBR, and butyl rubber. not for EPDM rubber.

UPC	Size	Color	Part No.	Price
1300L	1 qt	YELLOW	09-27220	.
1300L	Gallon.		09-01712	.
1300L	5 Gallon		09-01713	.
1300	5 oz.		09-01708	.
1300	Quart		09-01709	.
1300	Gallon		09-01710	.
1300	5 Gallon		09-01711	.

3M™ SCOTCH-GRIP™ CONTACT ADHESIVE



A brushable, neutral-colored contact adhesive for bonding many decorative laminates, aluminum, steel, plywood, panels, wood and wood veneer, masonry, rubber, canvas and other porous and non-porous materials to each other or to themselves. P/N 09-01364.....

3M™ SCOTCH-GRIP™ RUBBER AND GASKET ADHESIVE 847



This fast drying adhesive develops strength very quickly. It has excellent heat resistance; temperature performance is from -5 to 300F. Meets specification requirements of MIL-A-1154C. Bonds neoprene, reclaim, SB-R, and butyl rubber to metal, wood, most plastics, and many other products. 5oz. Tube. reddish Brown in Color.

P/N 09-01361.....

3M™ SCOTCH-SEAL™ DUCT SEALER



An extremely smooth, easy handling knife or caulking grade sealant for sealing medium and high pressure heating and air conditioning ducts.

P/N 09-01409.....

3M™ GENERAL TRIM ADHESIVE 8088 - CLEAR



A high strength adhesive for bonding automotive materials (carpeting, jute pads, fabrics, plastics) to metal and other surfaces. Good heat and water resistance. Not recommended for bonding polystyrene foam. (For bonding polystyrene foam, use 3M™ Spray Trim Adhesive PN08074). 18.1 oz. can. Color is clear.

P/N 09-01444.....

3M™ IMPERIAL™ HAND GLAZE



Non-silicone, non-wax hand glaze. Excellent depth of shine. Superior luster. Use by hand to refine and fill swirls after machine glazing refinish or factory applied paints. Specially formulated to work on all colors and can be painted over. 1 qt. Bottle. Color is clear.

P/N 09-01438.....

3M™ IMPERIAL™ MACHINE GLAZE



Non-silicone, non-wax machine glaze. Possesses excellent scratch removal characteristics. Superior depth of shine and luster. Use by machine to remove swirl marks after compounding acrylic lacquer. Formulated to work on all vehicle colors. 1 qt. bottle. Color is clear.

P/N 09-01439.....

3M™ FINESSE-IT™ FINISHING MATERIAL 81235



Specially designed compounds and polishes to be used on OEM and baked refinish paints to remove sand scratches or to remove swirl marks from previously compounded areas. 1qt. bottles.

P/N 09-01451.....

3M™ FINESSE-IT™ NATURAL BUFFING PAD



The 3 inch buffing pad is designed to get you into tight areas not accessible with a conventional polisher. Pads are hook-and-loop backed. Pads are sold each.

P/N 09-01452.....

3M™ PREMIUM LIQUID WAX



Clear coat safe wax. Use on all cured paint finishes. For use by hand or with an orbital polisher. Produces a high-gloss, deep-luster, durable finish on both new and used car paints. Special formulation is capable of removing road film or light oxidation from car finishes. Heavily oxidized finishes may require compounding with 3M™ Super Duty Rubbing Compound (PN39004) prior to applying wax. P/N 09-01440.....

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3M™ AUTOMOTIVE PRODUCTS-CLEANERS

3M™ PERFECT-IT™ II RUBBING COMPOUND



Specially designed medium-cutting compound for removing grade 1200, 1500 and 2000 color sanding scratches in paints including clear coats. Unique formulation. Produces minimal compound swirl marks while buffing to a high gloss. When followed by the 3M™ Perfect-It™ Foam Polishing Pad Glaze, this two-step system delivers a show car luster in record time. Use with 3M™ Perfect-It™ Foam Compounding Pad (PN05723). 1qt. P/N 09-01437

3M™ PERFECT-IT™ SHOW CAR PASTE WAX



Ultra high gloss paste wax with exceptional durability for use on automotive paints. Shines and protects new and like new paint finishes, producing a deep high gloss, lustrous, durable, wet look finish. P/N 09-01443



3M™ PERFECT-IT™ BACKUP PAD

Enables 3M Superbuff Compound Pad users to use the 3M Perfect-It Foam Polishing Pad without having to remove the 3M Superbuff Adaptor 05710 from the shaft of the polisher. Fits all standard 5/8 in shaft slow-speed polishers. 7 x 3/4 P/N 09-01426



3M™ PERFECT-IT™ PLUS FOAM POLISHING PAD

Foam polishing pad that utilizes a 3M patented convoluted foam face. Reduced diameter loop attachment backing for added edge protection. Attaches to either backup pads part numbers 05717 or 05718. Fits all 5/8 inch shaft on slow speed polishers. P/N 09-01427



3M™ AVIATION RUBBING COMPOUND

Effectively refines scratches in business jet cabinet clear coats using polyesters and polyurethanes. Also used for refining scratches on painted aircraft surfaces created during the defect removal process, as well as removing paint oxidation on painted aircraft surfaces. Can be used on aircraft cabinetry or painted surfaces. * No Silicone * Non-corrosive P/N 09-02173

SuperBuff Buffing pad 05703 P/N 09-02174



3M™ WHITE GREASE 8875 (LITHIUM LUBE)

Long-lasting lubrication, easy spray viscosity. Won't drip or run. Resists "washing out" if exposed to road spray. 10.5 oz. Can. P/N 09-01445



3M™ OVERSPRAY PROTECTIVE SHEETING MASKER

Portable masker designed to dispense Overspray Protective Sheet Masking (PN06727). Can be used horizontally, vertically or wall mounted. Spring loaded end frame designed for easy loading of Overspray Protective Sheet Masking. Paper is not included with masker. P/N 09-01441



3M™ FIBERGLASS RESINS

Designed to be used with Fiberglass Cloth (PN05838) and/or Fiberglass Mat (PN05833). Waterproof when cured. Liquid Hardener (PN0536) included. For metal and fiberglass. Thick formulation resists sags or runs. 1 Qt. P/N 09-01433



3M™ LIGHTWEIGHT BODY FILLER

Cures tack-free in 15-20 minutes reduces sandpaper loading. Creamy texture. Smooth spreading. Easy smoothing. Vacuum processed to minimize pinholes. 1 Qt. P/N 09-01428
1 Gal. P/N 09-01429



3M™ FLOWABLE FINISHING PUTTY

Tack-Free and Stain Resistant. Two component, self-leveling putty designed for use as a skin coat over plastic filler to fill pinholes, sand scratches, low areas or other imperfections. Available in quart and handy squeeze dispenser no mess. Fills pinholes in body fillers and small imperfections in metal and fiberglass. Cures tack-free in 30 minutes. Flowable, brushable. Easiest sanding 3M Polyester Putty. Minimizes staining that can occur with basecoat/clearcoat systems over body filler. Vacuum processed to minimize pinholes. Excellent adhesion to galvanized, aluminum and thoroughly cured and sanded factory-applied paint surfaces. P/N 09-01432



3M™ LIQUID HARDENER

Fast-acting liquid hardening agent designed to be used with 3M Sprayable Polyester Filler (PN05825 or 05856), and/or 3M Fiberglass Resin (PN05833 or 05834). 22oz. tube P/N 09-01434



3M™ LONG STRAND FIBERGLASS REINFORCED FILLER

Contains long strands of fiberglass. Repairs holes, cracks and tears in fiberglass. Repairs holes in metal. Waterproof. Repairs larger holes, cracks and tears than 3M Short Strand Fiberglass Reinforced Filler (PNs 05815-05816). 1 Gal. Can P/n 09-01430



3M™ SHORT STRAND FIBERGLASS REINFORCED FILLER

Contains chopped fiberglass. Repairs holes, cracks and tears in fiberglass. Repairs holes in metal. Smooth spreading. Waterproof. Can be used with Fiberglass Mat (PN05837) or Fiberglass Cloth (PN05838) to reinforce large repair areas. 1 Gal. Can P/N 09-01431



3M™ SPREADERS

Designed for spreading body and fiberglass fillers, finishing putties, and resins. Sharp edge. Flexible. Durable. Easy to clean. Cured fillers pops off easily. Available in 4 or Assortment (1 each 4, 5 and 6). 4 P/N 09-01435
Assortment P/N 09-01436



3M™ ADHESIVE REMOVER CITRUS BASE

Provides easy clean up of most types of adhesives. Quickly removes waxes, road tars, grease, oil and similar materials. Will not harm paint, vinyl or fabrics when properly used. 24 oz. Can. Pale yellow in color. P/N 09-01379



3M™ ADHESIVE REMOVER CITRUS BASE

A liquid cleaner/degreaser that can be used to dissolve and remove dirt, grease, tar, and many non-curing type adhesives. It can also be used to degrease substrates for adhesive bonding in place of many chlorinated or petroleum-based solvents. 24 oz. Can. Clear in color. P/N 09-01393

3M™ 5-WAY PENETRANT

Multi-purpose product that is effective as a demountant - displaces moisture and dries out electrical apparatus. 24. oz. Can. Light Amber in color. P/N 09-01370



3M™ SCOTCHGARD SPOT REMOVER AND UPHOLSTERY CLEANER

Designed to clean carpets and upholstery. Releases both oil- and water-based soils from carpet and upholstery. Aerosol foam is sprayed directly on spot with minimum of overspray. Requires no rinsing. Wipe or blot area with a clean, absorbent cloth. P/N 09-01722



3M™ STAINLESS STEEL CLEANER AND POLISH

Ideally suited for stainless steel, chrome, laminated plastics and aluminum surfaces. With a high-gloss formula, it wipes clean with no streaks or buildup, resists fingerprints and masks surface blemishes. Pleasant lime fragrance. Contains no petroleum distillates. P/N 09-01721



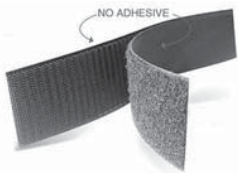
3M PAINT RESTORATION KIT

This all inclusive kit for on aircraft detailing. This is not a polish or wax which only fill scratches, 3M s Paint Restoration Kit actually, removes oxidation, refines scratches, and achieves a professional finish. Designed for airplanes: no-corrosive, silicone free, commercial aircraft manufacturer tested and approved. Kit includes: * 3M Aviation Finishing Compound 1 bottle (16 oz) * 3M Aviation Oxidation Removal Compound 1 bottle (16 oz) * 3M Superbuff Adapter * 3M Superbuff Buffing Pad * 3M Perfect-it Back-Up Pad * 3M Perfect-it Plus Foam Polishing Pad * 3M Perfect-it Detailing Cloth, Yellow * 471 Vinyl Red 1 x 36 Yds P/N 09-02178

3M™ FASTENERS - SAFETY - TAPE

3M™ SCOTCHMATE™ VELCRO FASTENING TAPES

RECLOSABLE FASTENER HOOK



It's as simple as pressing together and pulling apart. When your product calls for thousands of easy openings and closings, 3M Scotchmate Reclosable Fasteners pull through for you. Tiny, stiff hooks mesh with pliable loops for quick secure fastening. In addition, provide a solution as strong as you need. No adhesive, nylon and

sewable hook so can be easily attached to many substrates. Sold by the foot.

Velcro Fastening Tape 2 Black.....09-22223
Hook 2 SJ3402.....09-01388
Loop 2 SJ3401.....09-01387

VELCRO FASTENING TAPES



Consists of a set of 2 mating 1 wide black Nylon tapes, which, when pressed together, lock tightly and hold until peeled apart. Tapes have pressure-sensitive adhesive backs. Ideal for use in cockpit to mount pilot supplies or as an upholstery and rug attachment. An effective fastening material - applications are unlimited. Sold by the yard.

Velcro Fastening Tape 1 Black.....09-31400
Loop 1 SJ3571.....09-00251
Hook 1 SJ3572.....09-00250

3M SCOTCHMATE 2" LOOP SJ3572



It's as simple as pressing together and pulling apart. When your product calls for thousands of easy openings and closings, 3M Scotchmate Reclosable Fasteners pull through for you. Tiny, stiff hooks mesh with pliable loops for quick secure fastening. In addition, Scotchmate reclosable fasteners are backed with 3M adhesive technology expertise which range from rubber adhesives to

high performance, double-coated foam tape which can be adhered to most surfaces to provide a solution as strong as you need. Premium performance nylon hook with VHB Tape for high temperature resistance and great shear performance. Sold by the foot.

Velcro Fastening Tape 2.....09-01656
2 Loop SJ3572.....09-01653
Hook 2 SJ3572.....09-01652

3M™ SAFETY WALK SHEET



A durable, mineral coated, non-slip fabric for wing walks. Waterproof, weather-proof and unaffected by vibrations, heat, cold, gasoline or oil. Assures safe footing. Pressure-sensitive backing should have additional coating of 3M 1300L (located on pg 388) to assure adhesion for aircraft applications.

COMFORMABLE TREADS		
Description	Part No.	Price
Safety Walk 510 2 W	09-01485	.
Safety Walk 510 4 W	09-01486	.
GENERAL PURPOSE		
Description	Part No.	Price
Safety Walk 24 INCH W	09-31675	.
Safety Walk 610 2 W	09-01482	.
Safety Walk 610 4 W	09-01483	.
Safety Walk 610 12 W	09-32250	.



3M SAFETY GOGGLES

Meets the requirements of ANSI Z87.1-2003 as high impact protectors. Provides side protection. Hard-coated, polycarbonate lenses offer 99% UV protection. Helps protect against chemical splashes. Pliable vinyl frames provide a comfortable fit. Indirect vents for air flow. P/N 09-01498.....



3M™ THREE POSITION EAR MUFF

Padded headband and adjustable head strap. Comfortable fit with the headband under the chin, over the head or behind the head. Noise Reduction Rating: 27dB* with headband over and behind the head (26dB* with headband worn under the chin).

P/N 09-01499.....



3M™ EAR MUFF 1440

Lightweight. Padded headband. Tension adjustment. Contoured ear cushion in multi-position ear cup gives enhanced fit. Replaceable cushions and molded noise suppression inserts. Noise Reduction Rating: 24dB*.

P/N 09-01495.....



3M™ EAR MUFFS 1435

General purpose ear muffs. Wide, forked headband and multi-position large ear cup create a comfortable, secure fit. Economical, lightweight design. Replaceable, soft sealing cushions. Noise Reduction Rating: 23dB*.

P/N 09-01494.....



3M™ EAR PLUGS 1100

Smooth dirt resistant surface, tapered design to fit the ear canal, provide added comfort and hygiene. Hypo-allergenic material. Each box contains 200 pairs, and each package is easy to dispense. Noise Reduction Rating: 29dB*.

P/N 09-01493.....



3M™ REUSABLE EAR PLUG

Multi-flanged plugs stay securely in ear canal. Soft, cloth cord lays flat. Model 1271 includes storage case to keep plugs clean and protected. Plugs are washable and reusable. Bright orange color for visibility. Noise Reduction Rating: 24dB*.

P/N 09-01492.....



3M™ GLASS CLOTH TAPE 361

7.5 mil (0.14 mm) thick, glass cloth tape with silicone adhesive. Used for many applications requiring high temperature resistance, high adhesion, and a very strong, abrasion resistant backing such as masking protection in thermal spray operations.

Size	Part No.	Price	Size	Part No.	Price
1 x 60 yds	09-01333	.	3/4 x 60 yds	09-01332	.
2 x 60 yds	09-01341	.			

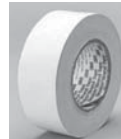


3M™ GLASS CLOTH TAPE 398FRP

Flame Retardant Sealing Tape 398FRP is a glass cloth tape with an acrylic adhesive for many applications requiring high adhesion, an abrasion-resistant backing and flame retardant properties. The tape meets flame retardancy requirements of F.A.R.

2 x36 yards..... P/N 09-01728
3 x36 yards..... P/N 09-02135

3M™ THERMOSETTABLE GLASS CLOTH TAPE



8.3 mil (0.20 mm), glass cloth tape with thermosettable rubber resin adhesive. For many applications requiring high adhesion and a very strong conformable backing such as wrapping wiring bundles for abrasion and heat protection and connecting cabin ducting sections together.

1 x 60 YARDS..... 09-01334
2 x 60 YARDS..... 09-01342

3M CARPET TAPE 9377 2 INCH X 25 YARD



3M 9377 Tape has a differential adhesive system with a high-tack acrylic that bonds to the top-layer substrate and a rubber-based adhesive system that attaches to the flooring material. One side is black and attaches to the flooring material with an acrylic-based adhesive. The white side of the tape is a rubber-based adhesive that provides a bond to the floor surface. Firm application pressure helps develop better adhesive contact and improve bond strength. The bond strength will build over time reaching maximum strength at 72 hours. P/N 09-02133.....



3M™ SCOTCH® SUPER 33+D VINYL ELECTRICAL TAPE DISPENSER

A premium grade vinyl electrical insulating tape, its aggressive adhesive and elastic backing ensure easy, water-resistant conformation to irregular surfaces in low temperatures, yet will not ooze or melt in high temperatures. 3/4 wide X

33 Long. P/N 09-01465.....

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3M™ TAPE - MASKING

3M™ SCOTCH® FINE LINE TAPE 218



This 3M tape is particularly suitable for pin striping, multicolor and other custom painting applications. It is a thin, conformable green polypropylene film tape with a special finish that resists paint runoff. The adhesive adheres instantly and offers good holding power, resists lifting and curling. Stretchable and easy to handle. Provides an extremely fine color-line separation for decorative painting of aircraft. Scotch No. 218.

Width	Length	Part No.	Price
1/8	60 Yards	09-20200	.
1/4	60 Yards	09-20300	.
3/8	60 Yards	09-20350	.
1/2	60 Yards	09-20400	.
3/4	60 Yards	09-20500	.
1	60 Yards	09-01348	.

3M™ SCOTCH® ADHESIVE TRANSFER TAPE 950



Attaches gaskets and foams, bonds fabric to window blinds and office panels. This tape can be used to attach vinyl or rubber gaskets and seal pipe insulation. Excellent adhesion to most plastics and has a high tack.

Size	Desc	Part No.	Price
1	950	09-01349	.
2	950	09-01350	.

3M™ ALUMINUM FOIL TAPE 425



Dead-soft aluminum foil tape. Applications include masking of sensitive components to protect from damage during aircraft paint striping. In white goods appliances, tape provides an excellent moisture barrier, helps reflect and dissipate heat.

Size	P/N	Price
1.5 x 60 Yards	09-01382	.
1 x 60 Yards	09-01381	.
.5 x 60 Yards	09-01384	.
2 x 60 Yards	09-01383	.
3 x 60 Yards	09-01385	.
3/4 x 60 Yards	09-01386	.

3M™ VHB™ TAPE 4920



15.0 mil, white closed cell acrylic foam carrier with film liner and all purpose adhesive. High strength, handling convenience, cushioning, damping and impact resistance. UL listing 746C. 1 in width, 72 Yards per roll. P/N 09-01397

3M™ VHB™ TAPE 4950



45.0 mil thick, white closed cell acrylic foam carrier with all purpose acrylic adhesive and paper liner. High strength, handling convenience, cushioning, damping and impact resistance. UL listing 746C.

Size	Color	Part No.	Price
1 x36yds	White	09-01360	.
2 x36yds	White	09-01389	.

3M™ VHB™ TAPE 4930



25.0 mil thick, white closed cell acrylic foam carrier with printed paper liner and an acrylic adhesive. High strength, handling convenience, cushioning, damping and impact resistance. UL listing 746C. 1 in Width and 72 yards in length. P/N 09-01359

3M™ VINYL TAPE



3M Vinyl Tape 471, ideal for masking, wrapping or sealing many curved or irregular surfaces, excellent for many lane and safety marking applications, ideal for color coding, abrasion protection, decoration and splicing applications

Color	Size	Part No.	Price
Blue	1 x 36 Yards	09-01335	.
Blue	2 x 36 Yards	09-01344	.
Black	2 x 36 Yards	09-02179	.
Yellow	1/2 x 36 Yards	09-01336	.
Yellow	3/4 x 36 Yards	09-01337	.
Yellow	1 x 36 Yards	09-01338	.
Yellow	2 x 36 Yards	09-01345	.
White	1 x 36 Yards	09-02076	.
White	2 x 36 Yards	09-02075	.

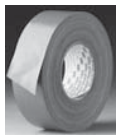
3M™ DOUBLE COATED FILM TAPE 415



A medium-firm, acrylic, pressure sensitive adhesive that featuring an excellent balance of good initial adhesion (quick stick) and good shear holding power. It is ideal for bonding together a wide variety of dissimilar materials such as metals, glass, wood, paints, and many plastics.

Size	Color	Part No.	Price
3/4 x36yds	White	09-01339	.
2 x36yds	White	09-01343	.

SCOTCH® POLYETHYLENE COATED CLOTH TAPE 390



Polyethylene coated cloth with rubber adhesive for applications requiring good strength and moisture resistance. Applications include holding insulation materials

P/N 09-01727

3M™ SCOTCH® HIGH PERFORMANCE MASKING TAPE 232



A high performance paper masking tape to be used in the medium temperature paint bake operation. A smooth crepe paper tape that is treated with a heat and solvent resistant coating.

Size	Part No.	Price
18MM	09-01329	.
24MM	09-01330	.
48MM	09-01340	.
72MM	09-01331	.

3M MASKING POLY TAPE 5903 (RED)



5903 is a poly tape comprised of heavy duty polyethylene film and synthetic rubber adhesive. It is UV weather resistant and removes cleanly for up to a month with little or no adhesive residue on most opaque surfaces without deteriorating or fading. Used for window and door masking, outdoor holding and protecting surfaces including stucco, concrete, brick, and a variety of construction surfaces where removability is important.

P/N 09-02136

3M™ HAND MASKER KIT



Tape guide pin molded into the M3000 KML frame. Guide pin aids tracking of the masking tape onto masking paper while dispensing. Tack-Down Tape Dispenser (PN06789) allows easy on-off mounting. Provides fingertip access to an extra roll of masking tape. Includes 12 cut off blade. Making film is not included with dispenser.

P/N 09-01442

3M™ SCOTCH SAFERELASE™ BLUE PAINTERS MASKING TAPE 2090



Ideal for long-term masking projects when tape must be left on for up to a week. Removes cleanly and easily for up to seven days without leaving adhesive residue.

Size	Part No.	Price	Size	Part No.	Price
3/4	09-01420	.	1-1/2	09-01422	.
1	09-01421	.	2	09-01423	.

3M™ SCOTCH® STEEL GRAY MASKING PAPER



Strong, flexible and pliable. Formulated to resist penetrations of solvents, lacquers or enamels. Comes in 1000 rolls.

Description	Part No.	Price
Gray Masking Paper 12	09-01353	.
Gray Masking Paper 18	09-01354	.
Gray Masking Paper 24	09-01355	.
Gray Masking Paper 36	09-01356	.

3M™ PRODUCTS

3M™ SCOTCH-WELD™ THREADLOCKER



THREADLOCKER 3493 PURPLE - For fasteners less than 5/16". Low removal torque.
 0.5 mL P/N 09-01680.....
 10 mL P/N 09-01681.....
 50 mL P/N 09-01628.....

THREADLOCKER 3494 BLUE - Medium strength general purpose threadlocker. For bolts up to 3/4".
 0.5 mL P/N 09-01684.....
 10 mL P/N 09-01685.....
 50 mL P/N 09-01686.....

THREADLOCKER 3495 RED - Med-high strength. High breakaway, reduce prevailing torque. For bolts up to 1".
 0.5 mL P/N 09-01688.....
 50 mL P/N 09-01690.....

THREADLOCKER 3497 RED - High temp, highbreakaway and prevailing torque. For bolts up to 1-1/2".
 10 mL P/N 09-01695.....
 50 mL P/N 09-01696.....

THREADLOCKER 3498 GREEN - Penetrating adhesive designed for pre-assembled fasteners.
 10 mL P/N 09-01698.....
 50 mL P/N 09-01699.....

3M™ NOVEC™



3M™ NOVEC™ ELECTRONIC DEGREASER - Effectively removes oils, greases and handling soils from electric motors, electrical equipment, precision devices and other electro-mechanical or sensitive devices. Based on proprietary 3M solvent technology; it is non-flammable, non-ozone depleting and contains no HCFCs, HFCs, nPB or HAPs. 12oz can, 6 can per case.
 PN 09-01703



3M™ NOVEC™ FLUX REMOVER - Effectively removes rosin solder fluxes, waxes and similar contaminants found in electronics manufacturing and repair. Based on proprietary 3M solvent technology; it is non-flammable, non-ozone depleting and contains no HCFCs, HFCs, nPB or HAPs. 12oz can, 6 can per case.
 PN 09-01702



3M™ NOVEC™ CONTACT CLEANER - Effectively removes light oils, greases, silicones, dust and particulates from sensitive electrical and electronic equipment. It is compatible with plastics, is non-flammable, non-ozone depleting and contains no HCFCs, HFCs, nPB or HAPs. 11oz can, 6 can per case.
 PN 09-01704

3M BODY FILLERS



3M premium fillers with adhesion promoters, offer the very best in all-around performance. Our premium fillers adhere to virtually any surface including wood, metal, aluminum, galvanized steel, fiberglass and concrete. They are also non-staining, non-shrinking, creamy and are great for building plugs, patterns, molds, prototypes and general repair to composite parts. 3M premium fillers are easy to sand and are manufactured with only the highest quality ingredients.

Description	Size	Part No.	Price
Marson Platinum Body Filler	Quart	01-01090	
Marson Platinum Body Filler	Gallon	01-01091	
Dynatron Dyna-Maxx Body Filler	Gallon	01-01092	
Dynatron Xtra Grip Body Filler	Gallon	01-01093	

STANDARD BODY FILLERS



3M standard fillers are the economical choice for gap filling, fairing, smoothing and general repair. They are also great for plug, pattern and tooling departments for creating and building shapes, curves and intricate elements to molds and patterns. They are easy to mix, apply, and sand, and have a quick cure time. Great for quick repairs to fiberglass, wood, metal concrete and aluminum.

Description	Size	Part No.	Price
Dynatron Ultralite Advanced Body Filler	Quart	01-01084	
Dynatron Ultralite Advanced Body Filler	Gallon	01-01085	
Dynatron Dynalite Body Filler	Quart	01-01072	
Dynatron Dynalite Body Filler	Gallon	01-00368	

3M™ PAINT PREPARATION SYSTEM (PPS™) CUP AND COLLAR, 16023



3M PPS Cup and Collar, 16023 Large hard cup that supports and holds the PPS large flexible liner, part number 16024. If filled to the top, this cup will hold 32 fl oz.
 P/N 09-01717

3M™ PPS™ KIT 16024

Kit contains 25 each large lids, liners and sealing caps. Graduated measurement to 28 oz/840 mL (with mix ratio film insert). Max. capacity of 32 oz/950 mL (filled to within 1/8" of rim). For use with part number 16023. Note: mix ratio insert



3M™ PPS™ MINI CUPS & COLLARS 16115



Hard cup that supports and holds the PPS mini flexible liner, part number 16114. If filled to the top, this cup will hold 6 fl oz. P/N 09-01720

3M™ PPS™ MINI LIDS AND LINERS 16114

Kit contains 50 each mini lids, liners and 20 sealing caps. Graduated measurement to 5 1/2 oz (with generic mix ratio film insert). Max. capacity of 6 fl oz. For use with part number 16115. Note: mix ratio insert is purchased separately.
 P/N 09-01719



3M™ PPS™ MIXING CUP AND COLLAR, 16001



Small, hard cup that supports and holds the PPS small flexible liner, part number 16000.
 P/N 09-01715

3M™ PPS™ ADAPTOR, 16054, TYPE 18

Adaptor converts DeVilbiss TGHV 530 Siphon Feed and all Full Size Siphon Feed Guns with North American 3/8 Female-18 Thread NPS guns for use with 3M Paint Preparation System.
 P/N 09-01716



3M™ HEADLIGHT LENS RESTORATION SYSTEM



With the 3M Headlight Lens Restoration System, you will use a 1200-1600 rpm drill equipped with a backup pad and sanding discs to remove the yellowed layer from the headlight lens surface. A higher rpm drill could generate excessive heat and can cause damage to the headlight lens that is difficult to remove. A lower rpm drill does not work efficiently for this process. Two sanding steps will follow to refine or reduce the sand scratches that are made when removing the yellowed layer. Finally, 3M Headlight Lens Polish and a foam pad will remove the fine scratches and put the final clarity on the headlight lens. Kit Includes: 1 - Disc Pad Holder 1 - 3M Soft Interface Pad 6 - 3M Sanding Discs 4 - 3M Finishing Discs 1 - 3M Trizact Disc 1 - 3M Headlight Lens Polish, 1oz 1 - Buffing Pad 1 - Step by Step Directions
 PN 09-02109

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REINFORCED FILLERS



3M's line of reinforced filler products offers users a unique and flexible array of repair solutions. Each product is reinforced with short fiberglass strands, long fiberglass strands or milled fiberglass.

These reinforced fillers are significantly stronger than regular fillers and are waterproof. Great for repairing fiberglass and rust holes in metal.

Description	Size	Part No.	Price
Dynatron Ultra-Glass Reinforced Filler	Quart	01-01097	
Dynatron Ultra-Glass Reinforced Filler	Gallon	01-01098	
Dynatron Dyna-Glass Reinforced Filler	Quart	01-01099	
Dynatron Dyna-Glass Reinforced Filler	Gallon	01-01101	
Dynatron Dyna-Hair Reinforced Filler	Quart	01-01102	
Dynatron Dyna-Hair Reinforced Filler	Gallon	01-01103	

3M PUTTIES



3M finishing putties have excellent adhesion to wood, metal, aluminum, e-coat, galvanized metal, fiberglass, SMC, epoxy, concrete and primer/paint.

These finishing putties are ideal for repairing or filling smaller dents, scratches, gouges and voids. Each product is non-shrinking, non-staining, cures quickly and sands exceptionally well.

Description	Part No.	Price
Dynatron Ultralite Advanced Body Filler - Quart	01-01086	
Dynatron Ultralite Advanced Body Filler - Gallon	01-01087	
Dynatron Dynalite Advanced Body Filler - Quart	01-01088	
Dynatron Dynalite Advanced Body Filler - Gallon	01-01089	

3M™ PRODUCTS - MEGUIAR'S PRODUCTS

3M FINISHING GLAZES



3M finishing glazes are the right choice when contouring and finishing surfaces or repairing minor surface imperfections prior to painting. Each product is self-leveling and easy to apply and sand. They will not stain/bleed through paint and adhere to most surfaces, including primed and painted surfaces.

Description	Size	Part No.	Price
Dynatron Dyna Maxx Finishing Glaze	24fl. oz Tube	01-01094	.
Dynatron Xtra Glaze Finishing Glaze	24fl. oz Tube	01-01095	.
Dynatron Dyna-Glaze Finishing Glaze	24fl. oz Tube	01-01096	.

3M SPREADERS



A special, flexible spreading edge makes precise application of body fillers, putties and glazes a breeze. Cured body filler will easily pop off the spreader, allowing it to be reused.

Description	Color	Size	Part No.	Price
Dynatron Spreader	Yellow	3 x 4	01-01105	.
Marson Spreader	Black	3 x 4	01-01106	.

3M MIXING BOARDS



Clean, wax-free surface for mixing body filler. Cured body filler can be easily removed, allowing repeat uses or use the disposable paper board that offers a non-porous, wax-free surface and easy disposal.

Description	Size	Part No.	Price
Dynatron Mixing Board	12 x 11.5	01-01107	.
Marson Disposable Paper Mixing Board	100 - 10 x 10	01-01108	.

3M FIBERGLASS RESIN/KITS



3M's Fiberglass Resin and Resin Kits use the exact same high-strength polyester resin that is used to manufacture high performance watercrafts, snowmobiles, bathtubs and showers. Polyester resins can be used alone or in conjunction with fiberglass mat, cloth or tape to create waterproof repairs to wood, metal, concrete, stainless steel, aluminum and fiberglass. Great for repairing large rust holes in metal and large fiberglass areas where lamination must be rebuilt. Compatible with all paints, including gel coat and marine paints. Quart. P/N 01-01104

MEGUIAR'S DUAL ACTION POLISHER



Whether you're a seasoned professional or a weekend warrior who wants show quality, swirl-free results, this is the tool for you. Meguiar's Dual Action Polisher greatly reduces the amount of time it takes to apply paint cleaners, polishes and protection products and produces results far superior to applying these products by hand. And because of its dual action - rotation and orbit, you never have to worry about burning the

paint. *G110 includes (polisher, D handle, custom hard case, W67DA backing plate, wrench, manual) P/N 09-02358

MEGUIAR'S SOFTBUFF FOAM PADS

SoftBuff foam pads are safer than wool pads because they will not leave scratches or buffer swirl marks. When used to apply Meguiar's cleaners, polishes, waxes, these unique, fiber-free foam pads add incredible gloss and depth of color to all fiberglass painted finishes.



W-7000 8" CUTTING PAD - Offers aggressive cleaning ability without leaving swirl marks, scratches or other blemishes. Its quick-change anchor-loop backing matches up with all popular types of hook and loop buffer backing plates. P/N 09-23470 .ea



W-9000 8" FINISHING PAD - The finest finishing tool to create the ultimate high gloss, swirl-free finish. Its quick-change anchor-loop backing matches up with all popular types of hook and loop buffer backing plates. P/N 09-23480 .ea



W-65 6-1/2" PROFESSIONAL BACKING PLATE - The perfect partner to all SoftBuff foam buffing pads with quick-change anchor loop backing. P/N 09-23490 .ea

MEGUIAR'S MIRROR GLAZE



PLASTIC POLISH (NO. 10) - Safely restores and maintains optic clarity to all clear plastics. This complete one-step product keeps new and like-new transparent plastics in perfect condition with a static-free coating that repels dust. Meets Military Spec MIL-C-5547 and MIL-C-18767A(ASG). 8 Oz. P/N 09-23300

PLASTIC CLEANER (NO. 17) - Safely removes fine hairline scratches and grime from clear plastic windows and windshields, acrylic and polycarbonate surfaces. Follow with an application of Plastic Polish (No. 10) to restore perfect clarity. 8 Oz. P/N 09-23500



CLEAR PLASTIC CLEANER/POLISH (NO. 18) - Mirror Glaze #18 restores optical clarity and removes surface residue. Its anti-static formula repels dusts and its one-step action saves maintenance time. Just spray on and wipe dry to safely remove surface contaminants and restore optic clarity. 8 oz. P/N 09-23800



FINAL INSPECTION (NO. 34) - Mists on and wipes off to remove fresh contaminants and maintain a showroom shine... anywhere, anytime. High lubricity formula removes dust, fingerprints, contaminants and fine scratches. Contains optical brighteners for a high gloss shine. It is paintable, safe for use in a paint shop environment and safe on all paint finishes, including clear coats. 16 Oz. P/N 09-00446

1 Gal. P/N 09-00445



VINYL & RUBBER CLEANER/CONDITIONER (NO. 40) - Gives a clean, natural looking luster to rubber and vinyl surfaces. Cleans the surface while restoring its original color. Prevents fading, cracking, drying. Avoids typical synthetic shine of conventional protectants. Contains UV protectants to extend life of vinyl rubber. Great for use on tires, rubber trim, under hood detailing. Perfect for vinyl surfaces, including dashboards, door panels, vinyl tops and interiors. 16 Oz. P/N 09-23450

1 Gal. P/N 09-23460



POLYMER SEALANT (M-20) - Polymer Sealant outshines any other wax or polymer product. It has a unique blend of polymers, silicones and imported waxes which create a brilliant high gloss finish that outlasts all other waxes. Polymer Sealant is safe and effective on all paint finishes, including clear coats. 16 oz. P/N 09-00764

64 oz. P/N 09-00185



ONE STEP CLEANER/WAX (50) - Cleans, polishes and protects in one easy step. Effectively cleans chemically without harsh abrasives that can scratch or dull. Removes light oxidation, haze, minor swirls and scratches. Contains polishing oils that add brilliance and high gloss. For use on all fiberglass, painted surfaces, metal. 16 oz. P/N 09-00305

16 oz. P/N 09-00305



W-1000 8" & W-5500 5-1/2" FINESSE POLISHING PADS - (with convenient screw-on backing plate) Match up with any rotary buffing tool. Both multipurpose pads produce a swirl-free, high gloss finish with added depth of color and reflection. W-1000 P/N 09-23510 .ea

W-5500 P/N 09-23520 .ea



W7207 - SOFT BUFF™ 2.0 FOAM CUTTING PAD - New foam technology cuts through moderate surface defects with fewer swirls. 7" pad size reduces chatter resulting in easy buffing. High-tech laminate provides durability and is machine washable. Recessed backing for easy centering. P/N 09-02359



W8207 - SOFT BUFF™ 2.0 FOAM POLISHING PAD - Eliminates minor surface defects while restoring gloss. 7" pad combined with new technology provide a smooth buffing experience. High-tech laminate provides durability and is machine washable. Recessed backing for easy centering. P/N 09-02360



W9207 - SOFT BUFF™ 2.0 FOAM FINISHING PAD - All new soft foam technology removes light swirls and creates a luxurious high gloss finish. Smooth buffing experience with minimal fatigue. High-tech laminate provides durability and is machine washable. Recessed backing for easy centering. P/N 09-02361

MEGUIAR'S PRODUCTS

MEGUIAR'S GOLD CLASS

GOLD CLASS CAR WASH SHAMPOO & CONDITIONER -

Meguiar's Gold Class Car Wash Shampoo Conditioner is a rich and luxurious product designed to both wash and condition paint in one easy step. The premium formula gently foams away tough dirt, road grime and contaminants without compromising wax protection. Ultra rich paint conditioners clear away debris to reveal color and clarity, leaving paint looking radiant.

16oz. P/N 09-02330
64oz. P/N 09-02331
1 Gal. P/N 09-02332

GOLD CLASS WAX -

Elegant, timeless, premium... Since its introduction, Meguiar's Gold Class Liquid Wax has inspired automotive enthusiasts worldwide to pamper, condition and protect their treasured investments. Our unique and proprietary blend of conditioners nourish and enrich paint to create clear, deep reflections and brilliant shine. Carnauba and polymer protecting agents reflect damaging UV rays, remove fine swirls, and create strong, long-lasting protection to preserve your finish.

Liquid P/N 09-02333
Paste P/N 09-02334

GOLD CLASS™ RICH LEATHER LOTION, SPRAY & WIPES -

Meguiar's improved Gold Class Rich Leather Cleaner Conditioner Lotion, Spray and Wipes. The enhanced, premium blend of moisturizers and nutrients - now with aloe for improved conditioning - quickly absorbs into leather for a natural, nongreasy finish. The convenient spray format is great for large areas or when working on perforated leather. The wipes feature 25 thick, textured wipes saturated with our enhanced, premium blend of moisturizers and nutrients deeply nourish fine leather.

Each contains advanced sun-blocking agents and UV sunscreens to help defend against premature wear and fading.

Lotion P/N 09-02346
Spray P/N 09-02316
Wipes P/N 09-02317

GOLD CLASS BUG & TAR REMOVER -

Bug splatter and road tar are highly adhesive and when left in place they will bond to your paint, potentially causing etching or staining. Gold Class Bug Tar Remover is specifically designed to remove these extra tough substances before they mar your finish. For safe and effective removal of contaminants, we suggest using a high quality 100% cotton towel like our Ultra Plush Super Terry for agitation and final wipe off.

16oz. Spray. P/N 09-02335

GOLD CLASS™ TRIM DETAILER -

Gold Class Trim Detailer features innovative technology pioneered by Meguiar's to instantly restore color and richness to faded and discolored trim and molding. Trim is protected so well that the like new appearance lasts for weeks, not days. Trim Detailer also helps to remove unwanted contaminants and wax residue.

10oz. P/N 09-02336

MEGUIAR'S NXT GENERATION

NXT GENERATION® CAR WASH -

Meguiar's expertise in Engineered Synthetic Polymer technology has led to the development of a completely synthetic car wash concentrate that loosens and emulsifies even the toughest dirt and road grime with extreme sudsing action. This pH balanced, non-detergent formula won't strip off wax protection and is gentle on all painted finishes as well as rubber, vinyl, and plastic components. Meguiar's NXT Generation Car Wash is the first step to a show car shine, and prepares your paint for an application of Meguiar's NXT Generation Tech Wax 2.0.

18oz. P/N 09-02326
64oz. P/N 09-02327

NXT GENERATION® TECH WAX® 2.0 -

NXT Generation Tech Wax 2.0 is a scientific breakthrough that introduces a new dimension of gloss and protection. This improved formula produces unbelievably deep, vibrant color and a dramatically clear wet-look. New Hydrophobic Polymer Technology provides relentless water beading and protection against oxidation, corrosion, UV rays and surface degradation. Hydrophobic means water-fearing and this new breakthrough technology builds such incredible protection and surface tension that water beads up and just glides off your paint finish, wash after wash.

Liquid P/N 09-02328
Paste P/N 09-02329

MEGUIAR'S CLASSIC

DEEP CRYSTAL® CAR WASH - Contains special ingredients that extend the life of the suds. Dirt and grime are quickly loosened and removed while wax protection is preserved. For unparalleled performance, use with Meguiar's Microfiber Wash Mitt. P/N 09-02337

CLEANER WAX - Meguiar's most versatile, one step wax specially formulated to produce eye-dazzling results on all finishes. Rich conditioning oils and legendary gentle cleaning ability make it an excellent choice for daily drivers exposed to the elements. Liquid P/N 09-02318
Paste P/N 09-02319

DEEP CRYSTAL® SYSTEM CARNAUBA WAX - Creates a strong, protective barrier on your paint that locks in shine and gloss. Our long-lasting, tried-and-true formulation utilizes the highest grade of carnauba to protect all paint surfaces, including clear coats. 16oz. P/N 09-02348

DEEP CRYSTAL® SYSTEM POLISH - A pure polish specially formulated for dark-colored cars. Clear coat safe, the formula creates a brilliant, high gloss finish by conditioning and nourishing paint through the replenishment of valuable oils. This makes dark colors darker and reflections deeper. It's that extra step necessary to create an amazing wet-look show car shine. 16oz. P/N 09-02320

SMOOTH SURFACE® CLAY KIT - Removing above surface bonded contaminants and restoring a smooth surface to your paint finish is easily accomplished by using this Clay Kit. The non-abrasive clay bar safely, easily and instantly removes bonded contaminants as you rub it across the surface of your car using a mist wipe product, like Meguiar's Quik Detailer as a lubricant. Meguiar's Smooth Surface Clay Kit contains everything you need to create a smooth surface. Clay Kit includes: two 50 gram clay bars, individually wrapped in a moisture-seal case, Quik Detailer for use as a clay lubricant, Cleaner Wax sample Meguiar's Supreme Shine Microfiber Towel.

Clay Kit P/N 09-02338
Replacement Clay P/N 09-02347

QUIK WAX® - Hi-performance, spray on carnauba protection offers dramatically deeper, darker reflections with increased gloss and shine. Just mist on and wipe off to wax your entire car (wet or dry) in minutes. For superior results during application and removal, we recommend using our Supreme Shine Microfiber or Ultra Plush Super Terry. P/N 09-02321

QUIK DETAILER® - Keeps a waxed car looking just waxed. Clear coat safe, Meguiar's Quik Detailer removes harmful contaminants before they damage your finish. Use Quik Detailer right after your car is sprayed by a water sprinkler, hit by a bird dropping, or exposed to any other condition that ruins your just waxed appearance. Details a full sized car in less than 15 minutes. 16oz. P/N 09-02322
32oz. P/N 09-02323

QUIK INTERIOR DETAILER - The fastest way to clean all interior surfaces. Use every time you wash or Quik Detail your paint to give your interior that just detailed look. In just 5 additional minutes, your entire interior will look sharp and smell fresh. Quickly and easily maintains the look and feel of interior plastics, vinyl, leather, rubber, metal and even audio/video equipment. The safe, high lubricity formula lifts off dust, ashes, dirt, grime, spills and fingerprints without build-up. And, unlike traditional protectants that leave an artificial greasy feeling, Quik Interior Detailer leaves your interior surfaces looking natural and revitalized.

Spray P/N 09-02339
Wipes P/N 09-02340

QUIK OUT® CARPET & UPHOLSTERY CLEANER - The fast and easy solution to keeping carpet and upholstery looking like-new. Active, penetrating foam attacks stains from the bottom up for deep cleaning. The powerful, professional-strength foam easily tackles the toughest stains, such as motor oil, grease, lipstick and coffee. The unique formula dries quickly without leaving behind a sticky or stiff residue so carpets and upholstery are left looking and smelling fresh and feeling like-new. P/N 09-02341

SUPREME SHINE PROTECTANT - With the addition of Supreme Shine Protectant to the Meguiar's line-up, Meguiar's now has a protectant family that offers users the ability to choose from two different levels of shine. For those who love shine, Supreme Shine Protectant is the fastest and easiest way to create a hi-shine surface on vinyl, rubber, and plastic surfaces. 450ml P/N 09-02349

NATURAL SHINE PROTECTANT - Maintain that like new look on dashboards, trim, tires and more. Natural Shine's complex formula includes mild cleaning agents that help remove daily dirt and grime and restore the original, natural finish. Includes UV blockers to help reduce the effects caused by the sun. P/N 09-02342

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MEGUIAR'S PRODUCTS - BOELUBE LUBRICANTS

MEGUIAR'S CLASSIC CONT.



SWIRLX - Car Guys are constantly asking how to best remove swirl marks/spider webs/holograms to restore crystal clear reflections and have a flawless, show-car shine. SwirlX Swirl Remover effortlessly removes swirl marks while improving color and clarity. SwirlX can be applied by hand or with our DA Polisher, and is a non-abrasive formula that gently smoothes away micro-fine swirl marks so you can have a flawless finish on all paints. 16oz. P/N 09-02357



SCRATCHX® 2.0 - Keep ScratchX 2.0 close at hand for quick removal of isolated paint scratches or blemishes whenever they occur. Competitive products either hide the blemish or scratch the finish. Meguiar's exclusive micro-abrasive system enables ScratchX 2.0 to remove paint blemishes fast while restoring brilliant high gloss. The new and improved formula can be applied by hand or with a DA. P/N 09-00304



COLORX® - Meguiar's COLORX is the tested and proven system to restore deep color and gloss from your oxidized or contaminated paint finish. Helps remove fine scratches and swirl marks too. Our polish and wax combination will dramatically revive brilliant color and add a long lasting protection that locks in the shine. For best results, apply with an Even-Coat Applicator and remove residue with a Supreme Shine Microfiber or Ultra Plush Super Terry. P/N 09-02343

PLASTX CLEAR PLASTIC CLEANER & POLISH - This easy-to-use, rich gel formula quickly restores optical clarity to both rigid and flexible clear plastics. Cutting-edge advancements in Meguiar's exclusive Microscopic Diminishing Abrasive Technology (MDAT) remove light oxidation, chemical degradation, surface contamination, stains and light surface scratches with ease. Special highly water resistant polymers provide long lasting durable protection to keep your clear plastics clear and beautiful longer. We recommend applying PlastX with a High Tech Applicator Pad or Ultra Plush Super Terry and using an Ultra Plush Super Terry or Supreme Shine Microfiber for the final wipe-off. P/N 09-02324



MEGUIAR'S ACCESSORIES



WATER MAGNET® MICROFIBER DRYING TOWEL - Meguiar's ultra plush Water Magnet reduces drying time with less wring-outs by absorbing up to two times the water of traditional terry towels. The extra large 22 x 30 waffle texture wrings out easily and leaves a spot-free finish. X2000 Single pack P/N 09-02351



SOFT BUFF™ TERRY TOWELS - Meguiar's Soft Buff Terry Towels are thick and plush to provide superior absorbency and a swirl-free finish. The towels are pre-washed for instant absorbency and lint-free performance. P/N 09-02352

SUPREME SHINE® MICROFIBER TOWEL - Meguiar's Supreme Shine is an incredibly plush microfiber towel for producing swirl free, mirror-like results. The thick, deep dual-sided microfiber pile absorbs two times more than traditional terry towels providing faster wipe off with less strokes. Single..... P/N 09-02353..... 3-pk..... P/N 09-02354.....



MICROFIBER WASH MITT - Meguiar's extra thick Microfiber Wash Mitt is the ultimate choice for show car perfect finishes. The clear coat safe Microfiber lifts and traps dirt and grime for a brilliant, swirl-free finish. The comfort-fit cuff and soft inner lining make this wash mitt a pleasure to use. P/N 09-02355



EVEN COAT™ MICROFIBER APPLICATOR PADS - Meguiar's Even Coat microfiber applicator is the ultimate pad for swirl free, show car perfect results. Gentler than a foam pad, this applicator is ideal for ultra fine polishing and waxing. Its large, 5 inch surface area allows for faster polishing and waxing. P/N 09-02356

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BOELUBE LUBRICANTS



A Space Age Lubricant developed by The Boeing Company that fights friction at the interface of the cutting edge and the workpiece. The reduction of friction at these surfaces minimizes heat generation and concurrent chip weld. Tools retain their cutting edge longer, leading to closer tolerances and prime chip yield. Manufactured from personal care ingredients, Boelube is non-toxic, non-irritating and biodegradable. Boelube is non-corrosive, non-flammable, chemically stable and free of halogens, heavy metals, sulfur, phosphorus, silicone, petroleum or paraffin wax.

BOELUBE BL70200-13 SOLIDS LUBRICANT
Drilling - Tapping - Reaming - Abrasive Belts - Files - Deburring Tools - Grinding Wheels - Chisels - Band, Circular and Hand Saw Blades. Boelube Solids improve tool life by reducing heat build-up in belt, disc or wheel grinding operations. Apply the push-up tube to the tool before start up. Individual Boelube Blocks are ideal for grinding operations. 1.6oz Push Tube 09-01731

BOELUBE 90 HIGH EFFICIENCY MACHINING LUBRICANT

BOELUBE 90 is non-toxic, non-irritating, environmentally safe synthetic lubricant that is effective for machining many types of materials. BOELUBE 90 will provide superior lubricity leading to better finish and longer tool life. BOELUBE 90 is compatible with Aluminum, Titanium, Graphite, Composites, Honeycomb, Inconel, Kevlar, Wood, Ferrous and Non-ferrous Metals. BOELUBE 90 is recommended for Drilling, Deburring, Broaching, Forming, Grinding, Milling, Gun Drilling, Routing, Reaming, Oil Hole Tools, Sawing, Punching and Tapping. BOELUBE 90 is best utilized in One-Shot or Mist Applications, and is ideal for applications where Cold-Cut or Positive-Lube units are utilized. 4oz Bottle 09-01734 Gallon 09-01733

BOELUBE 70104 LUBRICANT

BOELUBE 70104 is non-toxic, non-irritating, environmentally safe synthetic lubricant manufactured from personal care ingredients that is effective for machining many types of materials. BOELUBE 70104 will provide superior lubricity leading to better finish and longer tool life. BOELUBE 70104 is non-corrosive, non-flammable, chemically stable, and free of Halogens, Silicone, Petroleum, Paraffin Wax, Sulfur, Phosphorus and Heavy Metals whether added or present in any of its ingredients. BOELUBE 70104 is compatible with Aluminum, Titanium, Graphite, Composites, Honeycomb, Inconel, Kevlar, Wood, Ferrous and Non-ferrous Metals. BOELUBE 70104 is recommended for Drilling, Deburring, Broaching, Forming, Grinding, Milling, Routing, Reaming, Gun Drilling, Oil Hole Tools, Sawing, Punching and Tapping. Handheld lubricant 09-01732

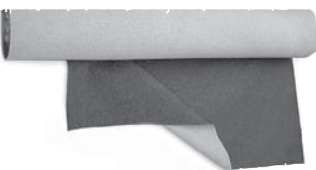
BOELUBE BL70307L PASTE

Boelube Pastes provide excellent lubricity and are extremely cost effective in single point work such as Tapping, Drilling and Reaming. A small amount of Paste applied to the tool is all that is required to obtain a high quality finish and extended tool life with little or no clean-up required. Brush it on or dip tool in paste. Boelube pastes are also ideal for Forming and Bending as well as in Drop Hammer, Verson Press and Spin Forming applications. Boelube Pastes provide closer tolerance parts and extended diaphragm and die life. We furnish 70307 meduim (blue) paste. 4oz Jar 09-01735.....

INTERIORS — PAINT SPRAY SYSTEMS

FOAM CUSHIONING

Foam Cushioning is a dense* open cell foam that can be used for glare shield padding, side panel padding, seat cushioning and for soundproofing. Meets FAR 25.853 burn requirements. Width is 48 and is sold by the linear yard. Available in 1/8 and 1/4 and thickness. *Density (pcf) /-.5 pcf 5



1/8 Foam cushioning P/N 11-02062/yd
1/4 Foam cushioning P/N 11-02063/yd
Sample Kit (Includes sample of both SPT leather like vinyl and foam)
Sample Kit..... 11-02061.....

ABS PLASTIC SHEETS



ABS thermoplastic fire-rated sheet material can be used as a base material for making of glare shields and side panel backing. Easily cut, drill, saw, and grind this ABS sheeting. The plastic sheets have an excellent ductility and formability. Meets FAR 25.853 burn requirements. Smooth flat surface on one side and a matte finish on the other side. Color: Black. Sheet size is .063 x 23.5 x 54.

P/N 11-02054

LEATHER-LIKE VINYL UPHOLSTERY MATERIAL



Leather-Like Vinyl has the ultra-soft leather feel without the leather cost. It can be used for seats, wall panels and headliners. Meets FAR 23.853(a) flammability requirements. It provides superior wear resistance (100,000 cycles), abrasion resistance and excellent tailorability. Width is 54 and weight is 27 oz. per linear yard. Available in camel, gray and black. Pricing is per linear yard. Sample provides a small piece of each. Burn certificates are available upon request.

Gray P/N 11-02056/yd.
Black P/N 11-02057/yd.
Camel P/N 11-02059/yd.

Sample Kit includes small piece of each

Sample Kit P/N 11-02061/yd.

COLOR-BOND LEATHER, VINYL & HARD PLASTIC REFINISHER



Color-Bond restores or changes the color of leather, vinyl, ABS plastic, PVC, polycarbonate, acrylic, fiberglass, lexan and thermal plastic urethane permanently. It is dry to the touch in 45 seconds and fully bonded in 10 minutes. It will not crack, flake or peel gives complete grain simulation. You can change color over and over and never obscure the grain or affect the hand. It is now OEM approved by the Ford Motor Company. After 3-1/2 years of testing, the specification that Color-Bond passed is the first of its kind and is approved for worldwide use. Color-Bond will be distributed to the 5,200 Ford Quality

Service Parts dealers of North America. It will also be used for repair of instrument panels, door panels and seats in all of the assemble plants. Color-Bond is excellent for restoration of aircraft seats, side panels, glare shields, and other items. Aircraft Spruce Specialty Co. has been appointed as the aviation distributor for Color-Bond.



Color	Size	Part No.	Price
#3 Eggshell White	6 OZ. Spray	13-01496	.
#76 Rustic Red	6oz. Spray	13-01969	.
#106 Black	12 OZ. Spray	13-01495	.
#108 Prairie Tan	6 OZ. Spray	13-05118	.
#108 Prairie Tan	12 OZ. Spray	13-01497	.
#107 Gray	12 OZ. Spray	13-01498	.
#105 White	12 OZ. Spray	13-01499	.
#105 White	6 OZ. Spray	13-05119	.
#103 Navy Blue	6 OZ. Spray	13-05120	.
#103 Navy Blue	12 OZ. Spray	13-01883	.
#232 Saddle Tan	6 OZ. Spray	13-02474	.
#117 Light Graphite	6 OZ. Spray	13-02475	.
#194 Rouge	6 OZ. Spray	13-02476	.
#254 Natural Tan	6 OZ. Spray	13-02477	.
#231 Ivory	12 OZ. Spray	13-02588	.
#94 Jag Tan	6 OZ. Spray	13-01881	.
#80 Light Smoke	6 OZ. Spray	13-01659	.
#64 Crimson	12 OZ. Spray	13-01882	.

Molecubond color chart..... P/N 09-00327

GRACO HVLP SPRAY SYSTEMS

Virtually eliminates mist. Requires less maintenance. Blows less heat up the stack. Uses up to 50% less material. Delivers better pattern control. Reduces overspray up to 90% Eliminates high-pressure flop and tiger stripes.

GRACO HVLP AIR SPRAY SYSTEMS GTS-2500 HVLP SPRAYER



This lightweight, portable sprayer features the GTS-960 Bleeder Style Gun and offers outstanding performance in its equipment class. Easily spray stains, lacquers, oils, enamels and urethanes.

- Turbine Stages – 2
- Cup – 1 qt (1 liter)
- Weight: Complete – 32 lb
- Turbine Air Working Pressure – 5 psi (.345 bar, 34.5 kPa) max.
- Turbine Air Outlet Flow Rate – 58 cfm (1642 lpm) max.
- Gun – GTS-960 Bleeder Style with Fluid Set #3
- Standard Turbine Air Hose Length–Standard units incl. 20 ft (6 m). Use 40 ft (12 m) max.
- Electrical Rating – 7A at 120 VAC
- Power Cord – No. 16 AWG, 3 wire, 6 ft (1.8 m)
- Shipping 18 in. x 15-1/2 in. x 16 in.
- The GTS-2500 is not designed for use with non-bleeder guns.

P/N 12-15710

GTS-3800 HVLP SPRAYER



The GTS-3800 is highly productive for nearly all fine finish applications. Easily spray stains, lacquers, oils, enamels, urethanes and automotive finishes. Plus, it atomizes many water-based latex and acrylic coatings, multi-color and other higher viscosity coatings.

- Turbine Stages – 3
- Turbine Air Working Pressure – 6 psi (.414 bar, 41.4 kPa) max.
- Turbine Air Outlet Flow Rate – 80 cfm (2265 lpm) max.
- Gun – GTS-980 Non-Bleeder Style with Fluid Set #3
- Cup – 1 qt (1 liter)
- High-Flex Turbine Air Hose Length – Standard units incl. 30 ft (9 m). Use 60 ft (18 M) max.
- Power Cord – No. 16 AWG, 3 wire, 6 ft (1.8 m)
- Electrical Rating – 12A at 120 VAC
- Weight: Complete – 34 lb
- Dimensions: 18 in. x 15-1/2 in. x 16 in.

P/N 12-15780

GTS-4900 HVLP SPRAYER



Our most powerful and versatile sprayer offers everything you need on the job for high productivity. This unit is loaded with features and can spray the broadest range of materials.

- Turbine Stages – 4
- Weight: Complete – 39 lb
- Turbine Air Working Pressure – 8 psi (.552 bar, 55.2 kPa) max.
- Turbine Air Outlet Flow Rate – 82 cfm (2321 lpm) max.
- Gun – GTS-980 Non-Bleeder Style with Fluid Set #3, #4 and #5
- Cup – 1 qt (1 liter)
- High-Flex Turbine Air Hose w/Quick disconnects – Standard units include 30 ft (9 m). Use 60 ft (18 M) max.
- Power Cord – No. 12 AWG, 3 wire, 15 ft (4.6 m)
- Electrical Rating – 14A at 120 VAC
- Dimensions: 18 in. x 15-1/2 in. x 16 in.

P/N 12-15950

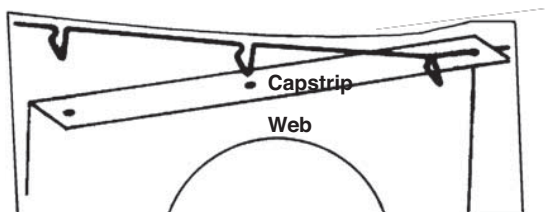
GRACO ACCESSORIES

DESCRIPTION	P/N	PRICE
HVLP 1 Qt. Cup Pot Assy.	12-12990	.
2mm Needle/Nozzle (dopes)	12-15750	.
2.8mm Needle/Nozzle	12-15760	.
30 ft. Replacement Hose	12-00016	.
Superflex Hose 54	12-74660	.

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NEEDLES – GROMMETS – PLATES

MARTIN FABRIC CLIPS



Used to secure fabric to metal ribs in wings and control surfaces. Replaces rib-stitch cord or P-K screws. Provides a more secure and streamlined installation. Drastically reduces covering time. FAA-approved for aircraft listed. Easily adapts to homebuilts with metal ribs. Spacing between clips, 3". Spacing may be reduced to 1-1/2" on high-performance aircraft by using 2 wires, with clips inserted in alternate holes that are spaced 1-1/2" apart. Fabricated from stainless steel wire. Supplied in 25-ft. continuous coils.

25-Ft. Coil..... P/N 09-19400

INSTALLATION KITS

Aircraft Model	STC No.	Part No.	Feet Req'd.
Aeronca-Champion	SA150S0	09-19500	225
Piper All Models	SA126S0	09-19600	175-250
Stinson	SA615S0	09-19700	175
Taylorcraft	Original Equipment	09-19800	225

All install kits .. No clips are included. Order separately.

*If clips are used to secure fabric on controls, add 50 ft.

CESSNA-TYPE FABRIC CLIPS

Individual spring steel clips used to attach fabric to metal ribs. Eliminates rib stitching.
5% Discount on purchase of 100
P/N 09-19900

TAC RAGS

Tac Rags pick up dust like a magnet. Use Tac Rags in final cleaning or dusting of surface before applying enamel, lacquer or synthetic paints. Wipe surface gently to remove all dust, lint and fine sand particles from metal, wood or plastic surfaces. Tac Rags are anti-static, epoxy compatible, and remain soft and tacky indefinitely. Individually packaged. Size: 18" x 36".

P/N 09-20000

FINE-LINE PAINT TAPE

This 3M tape is particularly suitable for pin stripping, multicolor and other custom painting applications. It is a thin, conformable green polypropylene film tape with a special finish that resists paint runoff. The adhesive adheres instantly and offers good holding power, resists lifting and curling. Stretchable and easy to handle. Provides an extremely fine color-line separation for decorative painting of aircraft. Scotch No. 218.

1/8" x 60 Yds. P/N 09-20200

1/4" x 60 Yds. P/N 09-20300

3/8" x 60 Yds. P/N 09-20350

1/2" x 60 Yds. P/N 09-20400

3/4" x 60 Yds. P/N 09-20500

Less 10% on 6 Rolls (Assorted) • Less 15% on 12 Rolls (Assorted)

WOOD BRUSHES

Natural, undyed bristle brush with smooth, unpainted wood or polyethylene handles. Unaffected by paint, dopes, thinners or solvents.

Brush Width	Part Number	Price Each	Brush Width	Part Number	Price Each
1/2"	09-21100		2-1/2"	09-38825	
1"	09-21200		3"	09-38803	
2"	09-21300		4"	09-38804	

Discount: Less 10% on 50. 15% on 100 (per size)

ACID OR GLUE BRUSHES

Horse hair with metal handle.

#1- 3/8" Wide..... P/N 09-21400 ea..... \$3.65/dz.

#2- 1/2" Wide..... P/N 09-21500 ea..... \$3.65/dz.

DOLLAR PATCHES

Grade B fabric patches for quick repairs on Grade B Dacron covering. Smooth edge, 2.5" dia. Also available in Dacron which are more durable less noticeable on aircraft exterior. Less 10% For 12 or More.

Grade A cotton patches..... P/N 09-17700 /ea
Dacron Dollar Patches P/N 09-17705 /ea

RIB LACING & SEWING NEEDLES

3 Curved Needle 3C P/N 09-18705 /ea
6 Curved Needle 6C P/N 09-18710 /ea
12 Curved Tip Needle 12C P/N 09-18720 /ea
12 Straight Needle 12 P/N 09-18725 /ea
18 Curved Tip Needle 18C P/N 09-18730 /ea
Needle Assortment includes 1 each of the following: 3 curved, 6 curved, 12 curved, 12 straight, 18 straight.

P/N 09-18735

RIB STITCH NEEDLES

Made from the highest quality steel. Heat treated, nickel plated.

2-1/4 Curved 18 Gauge P/N 09-18300 /ea
4 Straight 15 Gauge P/N 09-18400 /ea
10 Straight 13 Gauge P/N 09-18500 /ea
14 Straight 13 Gauge P/N 09-18600 /ea
18 Straight 12 Gauge P/N 09-18700 /ea

"T" HEAD PINS

Used to hold fabric in place temporarily in covering operation.

Plated steel, 1-1/2" L. 100 Pins..... P/N 09-18850

SCREWS



Used on some aircraft models to attach fabric to metal wing ribs and empennage ribs instead of rib lacing. Truss-head, type A self-tapping sheet metal screws. Size #4 x 1/4".

Stainless Steel, Phillips Head P/N T4X4 /ea

Stainless Steel Type A, Phillips P/N 4RX1/2SS /ea

Stainless Steel Type A, Phillips P/N T4X6 /ea

AD-41H CLOSED-END BLIND POP RIVET

1/8" diameter. Used to seal tubing vent holes.

P/N 04-01496 /ea

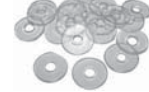
BLIND RIVETS



Use these 1/8" dia. Pop rivets to attach fabric to the ribs on Champion/Bellanca aircraft. 100 Rivets.

P/N 09-18900

WASHERS



Aluminum washers may be used in place of original plastic washers under screws and pop rivets to attach fabric to metal wing or empennage ribs.

Plastic, 1/8" I.D. x 1/2" OD

P/N 09-19000

Aluminum, 0.128" ID x 1/2" OD x 0.016"

P/N 09-19100

DRAIN GROMMETS

Manufactured from virgin cellulose acetate butyrate resin.

Grommet Type	Part No.	O.D.	I.D.	Price each	Grommet Type	Part No.	O.D.	I.D.	Price each
Flat	AN231-1	1-1/4"	3/8"		Seaplane*	AN231-4	1-1/8"		
Flat	AN231-2	3/4"	5/16"		Aluminum	09-19110	3/4"	1/4"	--

*Depressed center — LESS 15% ON QTY. OF 100 (per Part No.)

INSPECTION RINGS



Plastic rings, 4-5/8" O.D. x 3-1/2" I.D. x .050" thick, molded from virgin cellulose acetate butyrate resin. To be cemented to fabric as inspection plate retainer. 20% Discount on 100 or more.

P/N 09-19200 ea

INSPECTION RING PATCHES

Glued over inspection rings to prevent accidental removal.

P/N 09-18750 ea

INSPECTION PLATES



DOMED - Concave aluminum snap-type plate has single clip riveted across full diameter. Snaps to the ring at 2 contact points. Plate is 4.75" dia.

P/N 09-19300 /100

RECESSED - Recessed center and flanged-edge design will not creep off center due to vibration in propwash areas. 4-3/4" dia. x .020" aluminum. Will not twist or vibrate. P/N 09-18740 ea

CLEAR AIRCRAFT INSPECTION PLATE COVER



This is a clear window, aircraft inspection cover that is a cover replacement for a 3.5" inspection ring.

The plate is made from Lexan plastic, can be used with an inspection hole size of 3.38" minimum up to a 3.56" maximum, and should not be installed on aircraft traveling at speeds in excess of 250 knots. It can be cleaned with standard aircraft windshield cleaners. P/N 09-02114

PAINT ACCESSORIES – REPAIR KITS



PREVAL SPRAY GUN

Sprays paints, primers, gel coats, lubricating oils, cleaners, zinc chromate, etc. Perfect color matches in minutes. No wires, no hoses-portable and disposable. Sprays up to 16 ounces of any liquid thinned to the same consistency as for heavy spray equipment.

#267 Complete Set P/N 09-00339
 #268 Power Unit..... P/N 09-00340.....
 #269 Product Container P/N 09-00341



PAINT SAVER LIDS

Saves money, paint and clean-up time. Snaps onto top of can and pulls off quickly. Prevents drips down side of can and paint from getting in grooves of can. Made of rigid, long-lasting, recyclable plastic. Reusable.

P/N 09-01754



POUR-IT REUSABLE PAINT LID

The only reusable paint can lid that seals to the inside of all one gallon cans. This keeps the paint out of the lid channel for a perfect re-seal. It keeps all contaminants out of your paint. As it was designed for accurate pouring, it also has a quality screw cap on the pour spout for easier access to trim paints, primers sealers that are

used often, in smaller quantities. Pourit eliminates hazardous paint spill, saves clean-up time and reduces material waste. It is washable and reusable. This product should be used anytime you open a round one gallon can.

P/N 09-01756



JR. POUR-IT REUSABLE PAINT LID

Quality screw cap for easy access and is large enough for a 2 brush. It grabs the outside of the quart can so it will seal to the inside rim. Jr. Pourit converts any quart can into a jar for maximum material usage. It is washable and reusable. This product should be used anytime you open a one quart can.

P/N 09-01757



STORE-IT PAINT SAVING DISC

The only paint saving disc that floats on top of any left over paint in a one gallon can. Storeit will eliminate the skinning and spoiling of paints in storage for reuse at a later date. It will contain VOC's in open containers. It will also eliminate all of your consumer waste disposal expenses associated with these problems. Storeit should be used anytime a paint is prone to skinning or any paint is put into storage for a long period of time. It is washable and reusable.

Storeit is patented in the U.S. with other patents applied for.

P/N 09-01758



SPATCHIT PAINT SPATULA

Designed to remove all of the remaining paint from your one or five gallon container. Used as a spatula, it will eliminate the need for ragging clean the cans before recycling or disposal. It will eliminate your paint waste allowing you to transfer the last bit of paint into a smaller container for later use. This product should be used any time you are emptying a paint can. It is washable and reusable Spatchit has patents pending in the U.S.

P/N 09-01759



AERODYNAMIC DENT FILLER

An easy-to-use two-tube system of aluminum filled resin curing agent. Aluminum dent filler may be used wherever shallow dents occur. Gel time is 10-15 minutes at 70 F. Repair cures to 80% strength in 90 minutes. Used extensively by the airlines and applicable to general aviation repairs.

180g Kit.....P/N 80000-328.....



PIPER INSPECTION FRAMES

Front Rear Strut Opening Reinforcements - Set of 4

P/N 09-00334

Naugahyde Cable Seal Kit - 2 slotted fuselage and 2 alleron punched cable seals Set of 4 ... P/N 09-00335

Front Trim Yoke Inspection Frame.....Set of 2 ... P/N 09-00336

Underwing Inspection Ring Grommet Set of 2 ... P/N 09-00337

Tear Drop Reinforcement.....Set of 2 ... P/N 09-00338

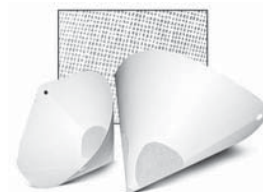
POLYESTER FLANNEL

45 width. For leading edge..... P/N 09-01750 /yd

SCOTCH-BRITE™ ULTRA FINE HAND PAD 7448

Use for cleaning, scuffing, deburring and finishing by hand with water or solvents. Will never rust.

P/N 09-01753 /ea



PAINT STRAINERS

Cone type strainer. Medium mesh (48x36), for filtering all pigmented finishes.

P/N 09-22200 .ea.

PAINT FILTER MASKS (3M)

Effective paper throw-away masks. Give excellent filtration for nontoxic dusts, powders and spray particles. 3M No. 8500

P/N 09-00522..... . ea



PAINT STIRRING PADDLE



P/N 09-22205

AIRCRAFT SPRUCE PAINT CAN OPENER



P/N 09-02063

**FOR MORE 3M™ PAINT SUPPLIES
AND ACCESSORIES SEE PAGES 345-352.**

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TEMPO FINISHES



AIRCRAFT SPRAY COATINGS

All Tempo spray products feature the exclusive adjustable Fanspray valve which offers a professional spray pattern so anyone can paint like a pro. The extra-width pattern evenly coats about 3 times the area with each pass compared with an ordinary spray valve. Packaged in 11 oz. to 16 oz. cans, depending on product.

Discount: 10% on 6 cans, 15% on 12 cans, 25% on 24 cans. (May be assorted.)

ULTRA-HIGH TEMPERATURE PAINTS

Exceptional durability up to 1200 F. Will not burn off, chip or peel when properly applied. No primer required. Ideal for exhaust stacks. Ultra-High Temperature paints air-dry in minutes but require curing at temperatures over 650°F.

- White #13-1
- Black #13-2
- Racing Silver #13-8.....

TEMPO MAINTENANCE & SPECIALTY PRODUCTS

Fluorescent Paint (Red/Orange) Up to 4 times brighter than other colors. Ideal for aircraft, boat - wherever visibility is vital. For best results, use over light colored base.

#18-1301/ea.

Chrome Paint restores new chrome appearance to chromed surfaces. #20-199/ea.

Scratch Filler Primer Ideal for filling nicks, scratches, and minor surface imperfections. They dry fast, are sandable, and provide a smooth uniform surface for top coats.

#7-3500 - Red Oxide...../ea.

#7-4500 - Platinum Gray...../ea.

PREMIUM SELF-ETCHING PRIMER

Etches and primes in one easy step. Can be used under all today's automotive finishes. Perfect for spot repairs. Creates superior adhesion on most plastics, fiberglass, bare steel, aluminum and stainless steel. Color: Green. 12oz. Spray Can P/N 09-02099.....



CAN-GUN

Can-Gun is an aerosol spray can trigger handle which makes painting, cleaning, and lubricating jobs safer and easier. The user-friendly form-fit handle and trigger eliminates finger fatigue and provides the user with accurate control over the amount, speed, and direction of spray. The built-in safety shield insures no more messy hands or fingers. Sprays virtually all spray paints, lacquers, polishes, cleaners, lubricants, sealers, and adhesives and Can-Gun fits most spray cans.

P/N 09-14760..... ea.



EPOXY PROPELLER COATING

Extends blade life. Tempo's Epoxy Propeller Coating is formulated with the extra adhesion and abrasion resistance needed to protect propellers from corrosion and wear. Compared to standard enamel and lacquer paints, our epoxy formula stays on the blade more flying hours; hence, with regular use, this formula can extend blade life.

Flat Black..... P/N 09-00982.....

Med. Gray..... P/N 09-00983.....

(Matches Hartzell OE Gray)

White P/N 09-00992.....



AIRCRAFT ENAMEL

Excellent adhesion to aluminum and steel

Tempo's Aircraft Enamel has been especially formulated to adhere to aluminum and steel; providing excellent corrosion resistance. Recommended applications are all interior and exterior aluminum and steel surfaces, including wheels, landing gear and inside door hatches. For propeller blades, we recommend Epoxy Propeller Coating.

Neutral Gray Enamel Primer #750...../ea.

09-00985 Black.....

09-00989 Gloss White.....

09-00987 Medium Gray.....

09-02070 Flat Black.....

09-00988 Flat White.....

09-00991 Aluminum.....



AIRCRAFT ENGINE ENAMEL

Resists heat to 500°F

Tempo's Aircraft Engine enamel withstands the high heat demands of aircraft engines. This modified chain-stop alkyd enamel formula has excellent corrosion and fuel resistance.

P/N 219 Lyc. Gray.....

P/N 23 Olds Cont. Gold.....

P/N 09-00995 Gloss Black.....

P/N 817 Black Wrinkle.....

P/N 1770 Univ. Black.....

AIRCRAFT LACQUER

Dries in under 15 minutes

Tempo's Aircraft Lacquer is ideal when a very fast dry is required. This blended nitrocellulose lacquer formula can be applied to all interior and exterior aluminum and steel surfaces, including wheels, landing gear and inside door hatches. When additional corrosion protection is required, we recommend Tempo Aircraft Enamel.

Clear P/N 809.....

Flat Black P/N 810.....

White P/N 9-180.....

Blk Acrylic P/N 09-01032.....



ZINC PHOSPHATE AND ZINC OXIDE PRIMERS

Maximum adhesion to bare aluminum and steel

Tempo's Zinc Phosphate and Zinc Oxide Primers are recommended for priming bare metal. These primers provide maximum bonding to bare aluminum and steel. Tempo's Primers have been the workhorse in the aviation industry for many years. Zinc Oxide has been recently introduced to provide a safer, healthier alternative to Zinc Chromate with equal performance.

The A-701 Yellow and A-702 Green Zinc Phosphate Primers meet the performance standards outlined in Federal Specification T-P-1757A. They also exceed the 800 hours of salt spray fog test (ASTM #B117). A-701 will replace A-901 Yellow and A-702 will replace A-902 Green.

Yellow (12oz.) A-701 P/N 09-02128.....

Green (12oz.) A-702..... P/N 09-02127.....



METAL CLEANERS — PRIMERS

PREKOTE SURFACE PRETREATMENT



PreKote Surface Pretreatment from Pantheon Chemical, is a non-chromated surface pretreatment utilizing a safe, hazard-free technology that is flying on over 1,500 United States Air Force aircraft. PreKote offers superior adhesion, improved paint flexibility, and advanced corrosion protection on painted surfaces, relative to traditional chromate and conversion pretreatments (such as alodine). PreKote has passed stringent testing by the U.S. Department of Defense, the Boeing Company and other coating industry leaders. By eliminating the need for chromated conversion coatings (such as alodine), acid etches, solvent washes and other toxic processes, PreKote can reduce paint preparation time and costs by up to 40%. PreKote can be used on a wide range of surfaces including aluminum, steel, magnesium, titanium, CRES, galvanized surfaces, composite and plastic surfaces. Consistent, high performance results are achieved with a variety of paints and primers. PreKote is non-toxic, non-corrosive, non-flammable, CFC free, ODS free, odor free, and readily biodegradable upon disposal. **FEATURES:** • Easy & safe process • Quantified superior results • Immediate cost reductions • Reduces hazardous waste • Decreases material, labor, and hazardous handling costs • Results in a high-performing surface finishes • No short and long term health risks.

Quart.....P/N 09-00825 Gallon..... P/N 09-00826
5 Gallon.....P/N 09-00827 55 Gallon..... P/N 09-00828
Prekote Large area repair kit..... P/N 09-00829

ALUMINUM PREPAINT PRODUCTS ALUMIPREP USED FIRST MAKES THE PAINT FINISH LAST!

Use on unpainted aluminum aircraft, truck trailers, house trailers, boats, garage doors, outdoor furniture, etc.



ALUMIPREP NO. 33 — Use to clean, brighten and transform badly corroded aluminum to its natural appearance. Covers 400 sq.ft. per quart.

Qt. P/N 09-01621
Gal. P/N 09-01620



ALODINE NO. 1001 — An invisible coat to provide in-depth corrosion proofing to the brightened aluminum surface and act as a firm barrier against the elements and continued corrosion. Covers 250 sq.ft. per quart.

Qt. P/N 09-01628
Gal. P/N 09-01629



METAL PREP NO. 79 — A brush-on, wipe-off aluminum cleaner and paint preparer in one powerful, easy-to-apply formulation. It etches the metal, neutralizes hand marks, is smutless on alloy surfaces, removes oil and grease and will not burn. It provides a firm and lasting adhesion between aluminum alloys and paint. Dilute with 2 or 3 parts of water. Improved in early 1985, Metal Prep No. 79 is now even more active on the metal surface and offers superior performance. Covers 400 sq.ft. per qt.

Qt. P/N 09-01625
Gal. P/N 09-01624

ALODINE NO. 1201 — After precleaning with Alumiprep 33 or Metal Prep 79, rinse with water. Apply Alodine without dilution by brushing or swabbing with sponge. Rinse with water and surface is ready for paint. This is a visible coating which leaves the surface with a golden coloration. The alodized surface provides protection against weather and firmly bonds paint. One quart treats about 200 sq. ft.

Qt. P/N 09-01619
Gal. P/N 09-01618



AQUAPREP AVIATION METAL CLEANER



Aquaprep is a safe, superior cleaner for use on any metal or hard surface and is designed to replace solvent cleaners. It may be used on painted, primed, or bare metal surfaces. It is non-staining, provides improved cleaning and improved corrosion resistance, and is compatible with MetalPrep and Alodine. Designed to remove sealers, wax, grease, silicone, and crayons. Try some new Aquaprep on your next metal cleaning project. Covers 400 sq.ft. per quart.

1 Gal. P/N 09-42100



ALODINE TOUCH-N-PREP 1132

Touch-N-Prep Alodine 1132 no-rinse conversion coating effectively phosphates most metals including aluminum, ferrous and galvanized substrates. Doesn't require rinsing, and can be air dried or force dried with hot air or an infra-red lamp. High density acrylic tip of the Touch-N-Prep applicator can be modified with a single edge razor blade to form any shape. The application method controls the amount of coating applied to the surface. Covers 20 sq.ft. P/N 09-01630



AKZO FAST DRYING INTERIOR EPOXY PRIMER

AKZO interior epoxy primer #463.12-8 is a chemically cured 2-component epoxy primer designed to provide maximum protection from various chemicals, hydraulic fluids, aviation fuels, hydraulic fluids, and corrosive causing media. Drying time to touch is 15 minutes and to recoat is 1-24 hrs. Shelf life: 2yrs, Color: Green. Used extensively in military and aerospace applications and popular with aircraft builders. Uses 1 gallon of primer and 1 gallon of catalyst.

2 gal. kit P/N 09-24735
TR-19 Thinner..... P/N 09-00439



RANDOLPH W-2248 EP-420W EPIBOND EPOXY PRIMER (WHITE)

This white heavy duty chemical solvent resistant amine cured primer is fast drying and corrosion inhibiting. Can be applied cured to temps down to 35 F. Mixing ratio is 2 parts base primer: 1 part EP-430 Catalyst. Order in kits.



Product	Part No.	Quart Price	Gallon Part No.	Price
W2248/EP420 Primer White kit	09-00573	.	09-00574	.
Epoxy White base	09-00564	.	09-00565	.
Rand E-500	09-00566	.	09-00567	.
Reducer				
Rand EP430 Catalyst (pt)(qt)	09-00570	.	09-00571	.



RANDOLPH B-6433 RAND-O-PLATE EPOXY PRIMER (DARK GREEN)

This green primer is solvent resistant, amine cured, fast drying and corrosion inhibiting. Can be applied cured to temperatures down to 35 F. Mixing ratio is 2 parts base primer: 1 part EP-430 Catalyst. Order in kits.



Product	Quart Part No.	Gallon Price	Part No.	Price
Rand B6433 PrimerGreen kit	09-00575	.	09-00576	.
Epoxy Green base	09-00568	.	09-00569	.
Rand E-500	09-00566	.	09-00567	.
Reducer				
Rand EP430 Catalyst (pt)(qt)	09-00570	.	09-00571	.

RANDOLPH EPOXY VARNISH EV-400/EV-410



An excellent clear gloss epoxy varnish for interior and exterior use. It provides superior weather durability and excellent chemical and solvent resistance. Can be used over a one component varnish primer if desired. Mixing ratio is 2 parts base varnish: 1 part EV-410 Catalyst. Order in kits.

Quart Kit (yields 2.5 qts) Incl. EV-410 Catalyst & E-500 Thinner P/N 09-00670

Gallon Kit (yields 2.5gal) - Incl. EV-410 Catalyst & E-500 Thinner P/N 09-00671

Base: Quart09-00666
Gallon.....09-00667

Catalyst: Pint09-00668
Quart09-00669

E-500 thinner (Reduce 50%)
Quart09-00566
Gallon.....09-00567

RANDOLPH EPOXY ACCELERATOR EX-501



A chemical curing accelerator for use in W-2248 EP-420W Epibond Epoxy Primer, B-6433 EP-420G Rand-O-Plate Epoxy Primer, and EV-400 Epoxy Varnish according to direction on base component label. Reduces polymerization time, not solvent evaporation.

1/2 Pint P/N 09-04650

RANDOLPH C-2210 PAINT SURFACE CLEANER



A mild solvent blend formulated to remove oil, silicone, wax, and other contaminants from all metal surfaces before priming. Also removed tape gum from painted surfaces and acrylic windshield materials.

Qt..... P/N 09-40810
Gal P/N 09-40820

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PRIMERS – SOLVENTS - PAINT REMOVERS



STEWART SYSTEMS EVERSHIELD CERAMIC SURFACE TREATMENT

An Easy-To-Apply Glass-Like Finish With Many Incredible Protective Properties For Almost Any Aircraft Surface. In tests it resists blow-torch heat (yes, blow-torch flame) above 2000 F. It is impervious to virtually any chemical. It is excellent for hardness, flexibility, impact and scratch resistance, adhesion, and corrosion protection.

On any aircraft, EverShield has applications from nose cone to tail cone. Wiped on a prop, this incredible film sheds bugs, pebbles, salt spray, whatever. On an exhaust, it seals the metal from corrosion and by refraction reduces heat transmissions to cowlings and elsewhere. On leading edges bugs slide off. Over the entire plane, the slick surface fortifies the boundary layer, reduces drag.

It is non-hazardous (like all SS products). Cleans up with water (or solvents). Grips most any surface, from stainless steel, to plexiglass, to paint. EverShield is a true breakthrough miracle coating. There's nothing comparable available. Once you use it you'll continue to find a myriad of applications. Better give it a try soon.

STEWART SYSTEMS EVERSHIELD is a two-component, ceramic clearcoat/chemical treatment system designed for Original Equipment Manufacturers (OEM) to protect the substrate over which it is applied from corrosion and oxidation. Will not yellow, chip, crack, or peel. If gouged or damaged, the finish will not experience creepage and is repairable. A low VOC and EPA compliant coating. Considered non-hazardous by EPA definitions and does not contain lead or chromates. Please follow local and state regulations in the proper use and disposal of this product.

Kit			Curing Rinse		
Size	Part No.	Price	Size	Part No.	Price
2 oz.	09-00465		2 oz.	09-00476	
4 oz.	09-00466		4 oz.	09-00484	
8 oz.	09-00467		8 oz.	09-00485	
Quart	09-00468		Pint	09-00486	
Gallon	09-00469		Quart	09-00487	
			Gallon	09-00488	

STEWART SYSTEMS WATERBASE STEEL CONVERSION COATING

A water-based product that eliminates rust by accomplishing two functions at the same time. First, rust is converted to ferric iron, a black organic compound. Second, a coating of clear acrylic is formed over the coated area. The surface that remains after the transformation can be either left black or coated with Stewart Systems wide range of products for the desired outcome. Product tests have shown that SS Conversion Coat has extended the life of equipment or products for several more years after probable replacement. SS Conversion Coat can be used on all rusted surfaces.

P/N 09-00482.....



STEWART SYSTEMS PRIMER / SEALER

A high quality, single component primer. Performance is equal or superior to that of single component solvent based primers. Primer/Sealer offers good coverage, excellent durability, and ease of application, as well as being a low VOC and EPA compliant coating. Our primer sealer can be custom made as a high build product enabling you to fill small imperfections and pin holes on composite surfaces. For use on aluminum, steel and composite surfaces.

Quart P/N 09-00464

Gallon P/N 09-00481

STEWART SYSTEMS ALUMINUM ETCH / CLEANER



EkoEtch Aluminum Etch is a concentrated combination acid based detergent and degreaser. EkoEtch removes scale, corrosion, light oil, processing fluids and brightens aluminum. EkoEtch is non-hazardous, water reducible and non-flammable. Use EkoEtch to prepare both old and new aluminum surfaces before applying Stewart Systems Primer/ Sealers.

P/N 09-00473.....

X-IT CARBON REMOVER & CLEANER



X-IT Carbon Remover Cleaner from Pantheon Chemical is a revolutionary aerospace chemistry powerful enough for difficult cleaning applications, but safe enough for daily routine aircraft cleaning maintenance. X-IT Carbon Remover Cleaner is safe on all surfaces (rubber, plastic, metal, painted or unpainted) quickly removes heavy carbon, dirt, grease, grime and oil. X-IT Carbon Remover Cleaner is non-toxic, non-corrosive, nonhazardous, odorless, and aqueous-based.

32oz. spray bottle P/N 09-00768

Carb Cleaner Remover Gal..... P/N 09-00769

Carb Cleaner Remover 5 Gal P/N 09-00770

Carb Cleaner Remover 55 Gal .. P/N 09-00771



SURE STRIP PAINT REMOVER

Removes urethanes, epoxies, lacquers, primers, enamels, vinyls, varnishes, acrylics, shellac and polyesters. Washing off with water leaves a clean film-free surface that is ready for refinishing. Product of Certified Coatings Products Co.

1 Qt. P/N 09-05701

1 Gal..... P/N 09-05710

5 Gal..... P/N 09-05715



CERTIFIED COATINGS MEK

Used to clean fabric prior to applying the first Poly-Brush coat. Also used to clean brushes, paint guns, etc.

Quart P/N 09-13700

Gallon..... P/N 09-13800



CERTIFIED COATINGS ACETONE

Use to remove lacquer finishes, for cleanup after painting, and to soften lacquers or acrylics that have set up in spray guns or hoses. It has little effect on polyurethane which has cured in the lines. Use only virgin acetone as recovered acetone can damage virtually anything on which it is used.

Quart P/N 09-13200

Gallon P/N 09-13300

AIRCRAFT SPRUCE ACETONE

Use to remove lacquer finishes, for cleanup after painting, and to soften lacquers or acrylics that have set up in spray guns or hoses. It has little effect on polyurethane which has cured in the lines. Use only virgin acetone as recovered acetone can damage virtually anything on which it is used.

Pint P/N 01-01077

Quart P/N 01-01078

Gallon P/N 01-01079



CERTIFIED COATINGS TOLUENE (TOLUOL)

Can be used as a reducer for enamels, wing walk compound, zinc chromate primer, etc.

Quart P/N 09-14100

Gallon P/N 09-14200

TOP PAINT STRIPPERS

TOP PAINT STRIPPER (PRO)® - 5000-B (Brush/Spray type) TOP Paint Stripper (Pro) 5000-B has been specially formulated for aircraft and marine applications. Removes epoxy and polyurethane from metal surfaces. Also removes varnish, baked varnish, lacquer, baked enamel and baked urea alkyd coatings, phosphate chromate coatings. Concentration: Use full strength, as received. Note: 55 Gallon drums are stripped shipped direct for customer from factory in Canada.

Size	Part No.	Price
1 Gal Can	09-02142	
5 Gal Pail	09-02143	
55 Gal Drum	09-02144	

TOP PAINT STRIPPER® - EF 6600-B (Brush/Spray type) Environmentally Advantaged TOP Paint Stripper 6600-B has been specially formulated for aircraft and marine applications. * Boeing Certified (D6-17487) * No Methylene chloride, No Phenols, No Chromates, no chlorinated solvents * PH neutral * Low odor * High Flashpoint; non-flammable * No heat needed * Ideal for removing multiple layers of paint * Easily rinsed from parts with either steam or high pressure water. Note: 55 Gallon drums are stripped shipped direct for customer from factory in Canada.

Size	Part Number	Price
1 Gal Can	09-02139	
5 Gal Pail	09-02140	
55 Gal Drum	09-02141	

FABRIC REJUVENATORS

A blend of deep cutting solvents which penetrates the dope finish and restores some of the original flexibility. Use on old fabric in fair condition. Do not use on weak or rotted fabric. Specify type of finish. Rejuvenator Type Certified Coatings Nitrate Rejuvenator Butyrate Rejuvenator Stits Poly-Fiber RJ-1200

1 Gallon		5 Gallon		1 Quart	
Part No.	Price	Part No.	Price	Part No.	Price
09-22500		09-22600		09-01263	
09-22700		09-22800		09-01264	
09-05300					

NUVITE POLISH - PROTECTANT SYSTEMS

NUGLAZE SUPER PAINT GLOSSER



Nuvite introduces NuGlaze to create a super high gloss show quality finish for paint in new or excellent condition, and it adds a U/V and sealant protection. It will put that final wet-look finish on good paint, and can be used as a final step for maximum gloss after using a drywash cleaner/polish such as Nuvite NuPower II. With regular NuGlaze use, a continuing surface barrier against most

of the effects of airborne chemicals and ultraviolet radiation is created. Paint can be maintained in new condition longer and maintain the color balance intended by the manufacturer with regular use.

Bugs and normal soil remove easily from a NuGlaze surface, and the added gloss keeps the new paint look longer. NuGlaze is simple to use and avoids complicated setups and special application or buffing equipment. Proven techniques and continuing technology advancement from Nuvite have come together to produce NuGlaze - the best thing you can do to maintain and protect your near-new or new-looking paint.

1Gal..... 09-01224
5Gal..... 09-01225



NUVITE CITRI-CUT CLEANER

NuVite CitriCut is a citrus based airframe wetwash and wipe-down cleaner. Pleasant citrus smelling wet wash or wipe down cleaner that is especially friendly to the environment. Works great for standard wet washing with mops or scrub pads. When used as a wet wash, water sheets off, minimizing water spotting. CitriCut is also handy for hand debugging

or hand wipe down without need for rinse -so there is no need for water or floor cleanup. Spray CitriCut at 1:8 from hand trigger sprayer for hand debugging or wipedown and wipe with terry towel until clean. Use a clean towel to buff up surface shine. No need to rinse surface. Supplied as concentrate use 1:8 for hand wipe down or 1:16 in wet wash water.

P/ N 09-00584.....



NUVITE ONE-TIMER KITS

Give Your Plane a Show Winner Shine!
Two Quarts of Fantastic Nuvite NuGlaze with PFS to give your new quality paint a super show gloss look and U/V protection. Includes special terry applicator pad, towels and special microfiber gloss finishing cloths.

For Nuvite NuGlaze details see Part No. 09-01224 09-01225.

P/ N 09-02025

Clean & Polish in One Step!



Two quarts of Famous Nuvite NuPower II cleaner/polish. Will clean tough dirt oil and give your paint a slick, shiny New Paint look and leave a protective coating against the sun's U/V damage. Includes three terry application towels and two special finishing gloss microfiber cloths. For Nuvite NuPower II details see Part No. 09-00581 09-00580. P/ N 09-02026



Restore Your Paint to Look Great Again!
Two quarts of super Nuvite NuPol heavy-duty cleaner and paint restorer will clean up a really grimy one, removing paint surface oxidation to reveal the bright color paint you once had, and leave an amazing super shine with UV protection. Includes two special spun fiber application pads and three terry polishing cloths.

For Nuvite NuPol details see Part No. 09-00583 09-00582.

P/ N 09-02027



NUVITE C-49 SUPERCLEANER

Nuvite C-49 Supercleaner is the most versatile and effective cleaner you can buy when you want to clean fabrics, leather, carpet, plastics, laminates and even metals. In other words, for cleaning all types of surfaces generally found in commercial private aviation, building or institutional interiors, RV, truck and marine interiors, or even home interiors

P/ N 09-02089



NUVITE SS9-3 CLEANER

Nuvite SS-9-3 is the championship-caliber answer to the need for an effective and safe all-purpose liquid alkaline cleaner. It will clean the toughest of underbelly grease, oils and fluid leakage at full strength, or can be diluted to 1:12 to make an easy-to-use debugger and whole-airframe wipedown fluid that leaves a beautiful squeaky-clean and shiny surface that does not need to be rinsed. It works great for in-place cleaning during other airframe or engine maintenance.

P/ N 09-02084



NUVITE LEATHER GUARD

Nuvite Leather Guard helps you keep that brand-new, supple, fine finished leather look and feel for luxury aircraft, RV or automotive seating, fine furniture or institutional use. Leather Guard is the finest enriching formula available for leather nutrition.

P/ N 09-02091

NUVITE POLISH/PROTECTANT SYSTEMS

Nuvite's surface finish enhancement and protection technology offers the highest-performance surface maintenance and protection systems available. These products are designed to be used on your aircraft, boat, recreational vehicle, truck, auto or other vehicle anywhere, anytime. Nuvite has the answer for your operations in an EPA-sensitive environment.



NUPOL POLISH / RESTORER / UV PROTECTANT

Same easy wipe on, let dry, wipe off surface cleaner with enhanced cleaning and oxidation removal capabilities. Ideal for tough cleaning due to long intervals between cleanings. Leaves a beautiful shine and an effective UV protective barrier.

Qt. P/ N 09-00583
Gal. P/ N 09-00582



NUPOWER II POLISH/UV PROTECTANT

Dry Wash Cleaner and Polish (Routine dry wash cleaning with gloss enhancement and UV protectant barrier) - Use for routine cleaning where wetwashing is not possible or gloss enhancement is desired. Contains non-abrasive media to remove even stubborn soiling. Cleans dirt, carbon and oil and leaves a protective barrier against UV deterioration of paint. Can also be used to clean bare metal surfaces. Apply with mop, spun cotton pad, towel or by hand. Agitate uniformly over area to be cleaned, spreading material to a very thin layer. Let dry completely and buff off by hand with clean terry towel. Supplied ready-to-use.

Qt. P/ N 09-00581
Gal. P/ N 09-00580



NUSHINE II POLISH/ SYSTEM

Nuvite engineers have formulated a system of polishes to meet the needs for almost any metal and paint polishing project. New metal to antique, the formulations in the NuShine II Polishing System will give superior definition, highlights, imagery, clarity, and will retain the finish longer than normal polishes. Nuvite's

NuShine II graded polishes use high technology materials with programmed abrasive characteristics and are blended with superior carriers to offer the ability to produce cutting action when needed, yet offer micron-level finishing in the finer grades that produces highest reflectance and image excellence.

Grade S (for final finishes) The finishing grade that gives the really deep, clear image when used as a final finish over a properly prepared, oxidation-free surface.

0.5 Lb. jar P/ N 09-00578



Grade G6 (SS titanium or heavily oxidized aluminum) When a heavy cut of the surface is needed, G6 may be a good answer. G6 has a high-tech abrasive system that is designed to do a quick, aggressive cut, and immediately break down to a finer cut, similar to Grade C. Use when there is heavy oxidation on the surface of aluminum, or even when very light corrosion is evident. Can also be used to blend surface scratches in aluminum. Can also be used for polishing stainless steel.

0.5 Lb. jar P/ N 09-00586



Grade C (for unpolished aluminum and repolishing degraded brightwork) - C is a cutting grade polish that we recommend to prep for using Grade S. Use Grade C to begin polishing on clad aluminum that has never been polished. Will also remove the cloudy/hazy white background found in many otherwise good polish finishes.

0.5 Lb. jar P/ N 09-00587



NUSHINE II POLISH SYSTEMS

Polishes for both metal and paint finishing that will provide the finest surface finish available. Has been shown to outperform all other aviation, automotive and marine polishes in side-by-side testing by users throughout the world. Affords the operator the choice to select the grade of polish to match the needs of the surface to be polished, be it brand new, oxidized in use, or with atmospheric corrosion. NuShine II not only polishes paints and metals to an incredibly deep, clear and image-reflecting surface, but also imparts a protective chemical barrier to inhibit corrosive oxidation to the metal.

Grade F9 1/2 lb..... P/ N 09-02086.....
Grade F7 1/2 lb..... P/ N 09-02087.....
Grade A 1/2 lb..... P/ N 09-02088.....

CS

POLISHES – CLEANERS



AERO GLOSS

Aero Gloss polish is used by 80% of the world's major airlines. It is now available to the general aviation and experimental aircraft market. Removes turbine soot and exhaust stains from paints. It is an excellent plexiglass polish and can be applied with a power buffer. It takes 1-2 pints and 3-4 hours to polish an average Cessna 182 with Aero Gloss.

Pint P/N 09-38100
Gallon P/N 09-38101
5 Gallon P/N 09-02180

STAR BRITE AIRCRAFT POLISH

This exceptional new polish cleans off dirt, stains and oxidation and restores the original bright color of the aircraft leaving a dazzling shine. StarBrite also cuts fuel consumption and boosts speed by reducing drag an amazing 5.5%. Contains no wax, oils or acids. 16 fl.oz. P/N 09-23900



TOP GUN ULTRA FINISH

Top Gun Ultra Finish is the ideal one-step product for all aircraft finishes. The product removes surface contaminants and oxidation though a unique chemical process, rather than using harsh abrasives. The coating left behind is not a wax, but an extremely hard and durable sealant. This affords superior long term protection (up to 12 months or longer), and easier cleaning of your finish. Once applied, bugs and corrosive elements remove more easily. Use Top Gun Ultra Finish to add brilliance to your aluminum and magnesium alloys. It is also very effective in restoring clarity to plexiglass windshields, side windows, and lenses. 16 fl. oz. Made in the U.S.A. 16 oz. P/N 09-00192



RACERS EDGE POLISH

Specifically formulated to provide drag reduction, use of this revolutionary formula results in increased air speed, protection, and the richest, deepest shine. Flight tested by the U.S. Air Force and engineering certified for all Boeing, Douglas and Airbus aircrafts. Blend of highly protective properties provide maximum protection for all elements of nature engine exhaust. Apply by hand or machine. P/N 09-00157

SEAL-A-PLANE

Seal-A-Plane provide an unbelievable shine that seals and protects the finish; we have also found that the exhaust and bugs don't like to stick to the surface and can be removed with just a damp cloth. Unlike products that were designed for the automobile industry, Seal-A-Plane is for aircraft and protects the aircraft surfaces from harmful UV rays and corrosion. Common waxes breakdown in the sun. Seal-A-Plane actually gets harder in the sun and is stable up to 500 degrees F. Seal-A-Plane contains no silicones and is non corrosive. It normally only requires application once a year (depending on the planes operating environment) and can be used on any surface including fiberglass and Plexiglas. Never before has there been a product on the market like Seal-A-Plane. Turbine owners especially will appreciate a product that is available that will remove the ugly exhaust stains. One 16 ounce bottle will be enough for most single engine planes and two will do most light twins. P/N 09-01650



MASTER FORMULA - SEALER GLOSS

Master Formula Sealer Gloss Protective Sealer waterproofs, protects and seals any hard surface. It leaves a durable, glossy protective coating that's easily maintained and lasts up to one full year. Master Formula Sealer Gloss is excellent for use on any metal or painted surface. These surfaces include all car finishes including clear coats, gel coats, plastics fiber glass. They also include all metal surfaces such as aluminum, chrome, brass, stainless steel, gold, silver and more. 16oz.

12OZ P/N 09-02077
16OZ P/N 09-01609



MET-ALL

An aluminum polish which removes and prevents pitting. Makes aluminum shine with mirror-like brilliance. Non-toxic, non-abrasive and non-flammable. A non-silicone product which resists further corrosion. Meets military specifications.

1 Lb. Can P/N 09-24200
2 Lb. Can P/N 09-24300



BUG BLASTER SPRAY

Dissolves and removes bugs without scrubbing - no elbow grease is required. This is a quick, time saving product. Just spray, wait and wipe. Finally a product that solves messy problems without being messy. Unlike other formulations, when sprayed, Bug Blaster instantly attacks bug proteins and acids. You will not have the dripping, messy run-off you have with conventional bug removers. Perfect for use in paint shop environments where run-offs need to be avoided.

32 OZ P/N 09-02080
1 GALLON P/N 09-02081



MET-ALL DETAIL POLISHING KIT

Met-All's Detail Polishing Kit will produce a show room finish on bare metal, painted surfaces and fiberglass using Met-All polishes and premium bonnets. Each bonnet features a recessed loop back so the edge and face can be effectively used with less concern for marring the finish. Change pads quickly and easily. Ideal for polishing aircraft, cars, motorcycles, boats etc.

P/N 09-00448



BLUE MAGIC METAL POLISH

Blue Magic produces a deep mirror shine. The oxide residue left after polishing is easily wiped off with a rag. A small amount will polish a large area. Airshow aerobatic pilot Chuck Lischer, Jr., whose high performance Swift is shown here, recommends Blue Magic as the best polish available for polished aluminum aircraft.

#500 1 lb. Can P/N 09-24600

210® PLASTIC CLEANER/POLISH

•Anti-static, Anti-fog • Will remove marks from crayons, magic markers and paint oversprays • Removes residue glue from protective backings and masking tape • Evaporating properties in the formula - cleaning is quick and easy without leaving any streaks or swirl marks • Resists fingerprints • Seals pores in plastic and leaves a protective coating • Pleasant clean aroma • Gives plastic a clear, lustrous look.

7 oz. P/N 09-00518
14 oz. P/N 09-00517



210® PLUS PLASTIC SCRATCH REMOVER

•Extremely mild abrasive compound, with anti-static and anti-fog properties in its formula • Ideal for the removal of surface scratches and blemishes from windshields or heavy cleaning of all plastic materials • Water soluble, excess can be wiped off with a wet sponge or cloth • Easy to use.

15 oz. P/N 09-00519

210® WINDSHIELD CARE KIT

Recommended by LP Aero Plastics and other leading aircraft windshield manufacturers, our 210 Plastic Cleaner 210 Plus will help keep your windshield crystal clear and scratch free for safe, enjoyable flying. Our Windshield Care Kit Contains: (1) 7 oz. 210 Anti Static/Anti-Fog cleaner polish, (1) 7.5 oz. 210 Plus Anti-Static plastic scratch remover, (100) 9 x 16 Sontara Aircraft Wipes.



P/N 09-00521

CLEARVIEW PLASTIC CLEANER/POLISH

Bring new life to your plastics with Clearview. Developed to clean, polish and protect all types of clear and colored plastics. Helps hide small scratches by filling them with a fine protective coating. Wipes on off easily with no smudges or residue. Anti-static. Spray can. 16 oz.

P/N 09-00531



RAIN AWAY

A protective treatment which leaves a clear, smooth, non-stick surface. Visibility is improved by repelling rain, bugs, frost and road film. Raindrops bead up and are blown away while flying.

P/N 09-01279

GRANITIZE METAL POLISH SYSTEM

Simple but effective system of six polishes designed to polish painted surfaces, aluminum 22916T6 2024T6 both clad and bare, and other metals including steel and titanium. All polishes are color coded to reduce cross contamination and aid in taking the guesswork out of any polishing procedure. When used properly, The Granitize System will produce a smooth, highly reflective mirror-like surface on brightwork that can be treated with Xzilon molecular adhesion to maintain the finish.



FINISH

XMP-S METAL POLISH (SUPERFINE) - Final polish for a mirror like finish. Can also be used on painted surface
P/N 09-02181



XMP-M METAL POLISH (MEDIUM) - For Light oxidation/scratches, Rain Spotting. Can also be used on painted surfaces
P/N 09-02184



CUTTING

XMP-C METAL POLISH (COARSE) - For Medium oxidation/scratches
P/N 09-02233

POLISHES – CLEANERS

ROLITE METAL AND FIBERGLASS POLISH

Rolite Metal and Fiberglass Polish will restore the original brilliance of virtually any metal surface, as well as being ideal for fiberglass and plexiglass parts. Rolite products are preferred by many EAA members maintaining bare aluminum aircraft as well as by commercial airlines and prop shops worldwide. Will create a mirror-like shine like you have never seen. Recommended for maintaining brilliant propellers and spinners.

10 Oz. Can.....P/N 09-42555
2 Lb. Can.....P/N 09-42560



ROLITE AP-300 ALUMINUM POLISH

A super-fine, high quality aircraft cleaner/polish that improves the appearance of alclad aluminum. It removes light to medium oxidation, soil, and jet blast residue with ease. Finished gloss and reflection of aluminum: extremely high.

1 Lb. JarP/N 09-00183

ROLITE SUPRA 90 ALUMINUM POLISH

Researched and developed for the commercial aircraft industry. This precision aluminum polish is widely used by many domestic airlines. Manufactured to meet all Boeing and McDonnell Douglas Specifications (Boeing D6-17486: CSD-1, Type 1 V). Supra 90 will give you a mirror-like shine on your aluminum (or any other metal) surface that was never before believed possible

2 Lb. Can.....P/N 09-42420



MAAS ALUMINUM & FIBERGLASS POLISH

Maas polish removes fine scratches, prevents clouding on plexiglass windshields and windows, reduces air resistance, and repels moisture. It is used by major air carriers and has provided them with a 10% savings on fuel due to Maas' ability to substantially reduce parasitic drag and friction on the leading edges of the aircraft.

Excellent for use on anodized or bare aluminum, painted surfaces, plastics, plexiglass, and fiberglass. 1 lb. can P/N 09-23545



ROLITE PREMIUM VINYL & LEATHER PROTECTANT

The Sun Protector. Protect your aircraft interior by using Rolites maximum sun block formula. Contains no solvents, silicone oils, or petroleum distillates. Its anti-static formula will produce a shine on your vinyl or leather seats without being slippery or tacky. And will actually repel dust. Comes in spray pump bottle.

8 oz. BottleP/N 09-42435



VOODOO WAX™ RACING FORMULA

Developer for high speed aircraft applications. Voodoo Wax is the wax of choice for Team Voodoo's P-51 Mustang Unlimited Air Racer. The Voodoo Wax formula is ideal for application on aircraft, boats, automobiles and motorcycles.

Voodoo Wax Cleaner Polish contains the finest blends of ultra fine polishing agents, polymers and imported waxes.

Voodoo Wax Cleaner Polish rapidly cleans and removes fine and medium scratches, oxidation, water spots and environmental contaminants leaving a deep, rich luster and durable finish. Safe for clear coat and non-clear coat finishes, cleans and restores Lexan and Plexi-Glass.

Voodoo Wax Cleaner Polish is the ideal companion product to use prior to Voodoo Wax Racing Formula.

P/N 09-01594



VOODOO WAX™ CLEANER POLISH

Voodoo Wax Cleaner Polish contains the finest blends of ultra fine polishing agents, polymers and imported waxes.

Voodoo Wax Cleaner Polish rapidly cleans and removes fine and medium scratches, oxidation, water spots and environmental contaminants leaving a deep, rich luster and durable finish. Safe and clear coat and non-clear coat finishes. Cleans and restores Lexan and Plexiglass.

Voodoo Wax Cleaner Polish is the ideal companion product to use prior to Voodoo Wax Racing Formula.

P/N 09-01593



ACTION CHIPKIT FIXES PAINT CHIPS AND SCRATCHES

The Action Chipkit stops rust around paint chips and scratches and produces repairs which are flush with the rest of the paint. The kit includes the Eliminator rust remover which is used to prepare the surface, and then the kit's clear paint sealer is applied. The kit's microfine sanding papers and sanding block are used to create a smooth and flush finish. Extrafine polishing compound completes the job by removing irregularities and restoring gloss. Everything you need for small paint chip repairs is included in the easy-to-use Action ChipKit.

P/N 09-27225



ICE AWAY PROP ICE GRIP INHIBITOR

Sooner or later, most pilots get into icing conditions and an ice-free propeller may be the ticket to safety. Years of testing have shown Ice-Away to stay on for several hours in icing conditions. Ice-Away facilitates propeller ice shedding and enhances safety. Simply spray Ice-Away on the propeller leading edges and reapply as necessary

5.25 oz. spray canP/N 09-00264
Less 10% on 6 cans or more



PLAS-TEC PLEXIGLASS/PLASTIC CLEANER & POLISH

Plas-Tec cleans, shines, and protects today's high-tech plastics. Plas-Tec is a non-aggressive, optically clear cleaner that lifts fingerprints and smudges, leaving a protective, anti-static coating that resists dirt build-up. Plas-Tec is excellent for use on acrylic, Lexan, or Plexiglass windshields and windows as well as aircraft instrument panels, and many other applications.

4 oz. Can.....P/N 09-00308
16 oz. Can.....P/N 09-00309
1Gal. Can.....P/N 09-00310



REJEX SOIL BARRIER & STAIN PROTECTOR

Rejex is an advanced polymer system that seals painted surfaces to guard against corrosive exhaust gas, oil, and bug stains. It forms a slick, long-lasting, glass-like barrier that allows easy removal of turbine and piston-engine exhaust stains with mild detergents. Bugs can be removed quickly and easily with just a stream of plain water. On paint in good condition, Rejex eliminates the need for waxes and polishes, and one application will last a minimum of 4 months. Surfaces to be protected should be clean, dry, and cool to the touch and the product should not be applied in direct sunlight. Damaging contaminants, such as bug acids and exhaust stains will no longer be a problem.

12oz. Can.....P/N 09-01729
16 oz. Can.....P/N 09-00303



BRILLIANIZE

Brilliance makes shiny surfaces brilliant. The cleaned surface resists finger marking, has anti-static properties, repels dust. It is a nonflammable and nontoxic liquid. Use it to clean Plexiglas, Lexan, mirrors, chrome - any shiny surface. Apply and polish with Kleenmaster shop towels.

8 oz. spray bottleP/N 09-24000
#128P -1 gal. plastic bottleP/N 09-24100



SPEED CLEAN™ -PLASTIC CLEANER/ PROTECTOR

Just spray it on, let it work, and gently wipe off with a soft cloth. The surface is clean, protected and will be even easier to clean the next time. Now you can safely Clean and protect just about anything in your life that gets messy. Plastic surfaces, are found everywhere. Aircraft, autos, watercraft, kitchens, motorcycles, watches, and the list goes on. Once you clean the surface, Speed Clean leaves an invisible velvety smooth surface that helps dust and dirt from sticking to it. Cleaned surfaces will be static dust free for weeks, and everything will be even easier to clean the next time.

P/N 09-01962



THAT BUG STUFF BUG REMOVER

That Bug Stuff is a very effective bug remover, specially formulated to remove bugs from the front surfaces of airplanes. Developed by pilots for pilots, That Bug Stuff is ready to use. Spray on the area to be cleaned, and in seconds, bugs can be wiped off with a soft cotton cloth. Will not remove wax and will not remove bugs that have been covered by wax.

32 oz. spray bottleP/N 09-00523



BUG-OFF

BUG EXHAUST REMOVER - Bug Off is a presoak bug and exhaust remover designed to remove organic matter, bug juice, and engine exhaust soot from surfaces of aircraft, automobiles, and trucks. Bug Off dissolves most dried up bug matter and exhaust soot in seconds. It eliminates scrubbing and does not affect painted surfaces.

1 Qt. (Spray Bottle)P/N 09-35710
1 Gal. RefillP/N 09-35712



RAIN-X RAIN REPELLENT

Aircraft with bleed air rain removal systems, such as Cessna Citation and Learjet, need to have their windshields treated to help dissipate the rain. Repcom rain repellent was the recommended product, but it is no longer available. Rain-X is manufactured by the same company and it is the same formulation. While not FAA approved, it works well in dispersing water on the

windshield. 7 oz. bottleP/N 09-42500



CS

PLEXIGLASS CLEANERS & POLISHES

NOVUS PLASTIC POLISH #1 CLEANS & PROTECTS



Novus Plastic Polish #1 gently cleans all plastics without scratching and leaves a lustrous shine that resists fogging, repels dust, and eliminates static. Leaves a shield that resists fingerprints and smudging, and is nontoxic and free of strong odors. Contains no abrasives or harsh chemicals.

8 oz. P/N 09-38110.....
64 oz. P/N 09-38115.....

NOVUS PLASTIC POLISH #2 RESTORES & REFINISHES



Novus Plastic Polish #2 removes fine scratches, haziness, and abrasions from most plastics. With repeated use, it will restore faded and discolored plastics. Contains mild abrasives, but is non-toxic and has no strong odor. Creates a deep shine which resists scratching, marking, and aging.....

8 oz. P/N 09-38120.....
64 oz. P/N 09-38125.....

NOVUS PLASTIC POLISH #3



Novus No. 3 removes heavy scratches and abrasions from most acrylic surfaces. This is an aggressive polish and is not intended for use on coated plastics or polycarbonates. Requires both Novus No. 1 and No. 2 polishes for final finishing.

8 oz. P/N 09-38130.....

SUPERCOAT LEATHER, PLASTIC & RUBBER TREATMENT



No need to wash or prepare. Cleans, conditions and restores. Protects beautifies. Removes dirt and stains. Excellent on tires. Protects against stains, soils, oils, salt and dirt. Unaffected by temperature, weather or sunlight. Prevents cracking and deterioration.

8 oz. P/N 09-42520.....

MICRO-POXY AIRCRAFT CLEARCOAT



Micro-Poxy is a hand applied micro film epoxy coating for use as a sealer, anti-corrosion, anti-salt, and UV barrier for aircraft. It is non-porous and high gloss, making it excellent for reducing parasite drag, contaminant adhesion, icing, chemical attack. It inhibits surface deterioration, corrosion, and oxidation on urethane, lacquer, epoxy, acrylic, and enamel painted surfaces. Also excellent for protecting and restoring aircraft metals and alloys.

8 oz. Jar. P/N 09-15560.....

SCRATCH OFF WINDSHIELD REPAIR KIT



Now you can polish away scratches and swirl marks on your Plexiglass windshield. SCRATCH OFF is a revolutionary new product designed to remove imperfections from Plexiglass surfaces. SCRATCH OFF can also be used on painted surfaces, fiberglass, Plexiglass and virtually any plastic surface. The standard kit treats one aircraft windshield, and the deluxe FBO size kit services several aircraft.

Standard Kit P/N 09-42600.....
Deluxe Kit P/N 09-00252.....

POLY-SAND SCRATCH REMOVER



This is the original Poly-Sand process. Consists of a series of cloth-backed cushioned abrasives which when used in proper sequence will restore the finish of plastics. Also used for fine finishing of wood and precious metals. Recommended by Rohm Haas Co., manufacturers of Plexiglas. Kit includes series of Poly-Sand cushioned abrasive cloth tapes, all required accessories and instructions.

PCA Kit #40 P/N 09-24800.....

HI-TECH SANDING BACKING PAD (E-7200)



Makes repair work easy by distributing even hand pressure across the face of the paper. It's flexible and easy to use on curved or flat surfaces.

P/N 09-23380ea

UNIGRIT™ SANDING PRODUCTS



Unigrit Finishing Papers Sanding Blocks use precise, uniform grit particles to eliminate deep sanding scratches and the need for compounds. More economical to use because they work faster, last longer and won't load up as quickly as conventional sanding products.

FINISHING PAPERS				SANDING BLOCKS			
Grit	Sheet Size (in)	Part No.	Price Each	Grit	Block Size (mm)	Part No.	Price Each
1000	5.5x9	09-23580		1000	60x30x20	09-23640	
1200	5.5x9	09-23590		1500	60x30x20	09-23650	
1500	5.5x9	09-23610		2000	60x30x20	09-23660	
2000	5.5x9	09-23620					

PLEXUS AIRCRAFT PLASTIC CLEANER, PROTECTANT & POLISH



Plexus was developed for use in aviation, specifically for cleaning and protecting aircraft windshields and painted surfaces. It's quite simply the most effective product you can buy for cleaning, polishing and protecting all clear and colored plastics and painted surfaces. Plexus is easier to use, and leaves a noticeably cleaner, more lustrous finish than conventional polishes. It protects by actually sealing the pores in plastic making it more resistant to debris, oil, bugs or scratches. Because it's anti-static, it repels dust and lint. It's perfect for windshields and the leading edges of the wings, as well as for removing exhaust stains and cleaning wheel wells. Also, Plexus polishes without harmful abrasives. It leaves an invisible, micro-thin layer of wax without smears or smudges. It dries to a crystal clear luster, leaving no oily, sticky or tacky residue. It's the ultimate detailer for your aircraft. So, if you're looking for a better way to save time, money and help protect your valuable investment, it's clearly brilliant. Plexus. Clearly the best. Plexus contains no CFC's, so it's safe for the environment. And because it's an aerosol, there is virtually no waste.

7 Oz. Can P/N 09-29715.....ea
13 Oz. Can P/N 09-29710.....ea

PERMATEX PLASTIC CLEANER



Removes grease, stains and insects. Retards fogging. Rain repellent, anti-static. Cleans Plexiglas, fiberglass, stainless steel and painted surfaces without scratching.

#403D Pint Can P/N 09-00344.....

LP AERO'S ACRYLIC POLISH SEALANT FOR AIRCRAFT WINDSHIELDS



A superior no-wax, non-yellowing formula containing polyethylene polymers. This product not only gives a super slick surface to your windshield and windows, but can also be used on your entire aircraft, including all the painted gloss surfaces, aluminum fiberglass. Ease of application and removal is unmatched. Sold in 16 oz. bottles. P/N 09-42055.....

SPRAYWAY #848 PLASTIC CLEANER



Sprayway plastic cleaner contains no chemicals or abrasives that will cause damage to transparent surfaces. This formula is anti-static, anti-fog, fast-drying, non-streaking, and it reduces glare. It also repels finger smudges, dirt, and dust. Great for use on acrylics, plexiglass, lexan, glass, and polycarbonates. No. 848 meets the following military and commercial specifications: • MIL P5425 • MIL P25690A • Douglas Aircraft CSD-1 • ANSI/ASTM F484-77 • Boeing Letter-Lexan 9600. Product is free of ozone-depleting chlorofluorocarbons (CFC's)

P/N 09-42060.....

PLEXI-CLEAR PLEXIGLASS CLEANER



Plexi-Clear is an anti-static aircraft plexiglass cleaner, protectant, and polish. Plexi-Clear produces a microscopic, high luster, soil retarding and water repellent finish to all aircraft plexiglass and plastic and makes small scratches less visible, leaving a surface that is fresh, lustrous, and protected. Plexi-Clear dries perfectly with no smears, no scratches, no smudges, no oily, tacky or sticky residue. Plexi-Clear can be applied in seconds, in one easy step. Boeing and MIL spec Approved.

P/N 09-37960ea

SPEEDCOAT



How much faster In just a matter of minutes you can treat your entire airplane. You can coat paint, bare metal, composite and fabric surfaces. Windshields, glareshields and even your interior. Just a simple spray, wipe, hand buff and you are done. Your baby will not only shine but you will have added great UV protection as well as environmental protection. Dust, dirt, soot, bird droppings are easy to clean on a SpeedCoat protected airplane - David LoPresti Features * 16 oz Bottle * One bottle is more than enough to treat an average sized aircraft. * Long shelf life. * Environmentally friendly. * Silicone Free. * No residue buildup. * Hand only applications. * No mechanical buffing required.

P/N 09-02107.....

WINBRIGHT PLASTIC CLEANER



WinBRIGHT is safe to use on any polycarbonate, acrylic, or plexiglass window. Developed for aircraft transparencies, but perfect for any plastic surface: AIRCRAFT, MOTORCYCLE WINDSCREENS, BOATS, AQUARIUMS, CONVERTIBLE WINDOWS, INSTRUMENT PANELS, BIMINI TOPS, SAFETY GLASSES, RVs, CDs This professional strength spray with Micro-Brighteners leaves surfaces sparkling clear and clean. Removes, dust, dirt, stains, smudges and finger prints. Optical clarity improves with extended use. Clean surface with water first, then simply spray WinBRITE onto a dampened flannel cloth and polish into the surface of the window until polish disappears. Contains no wax, solvents or ammonia and leaves no residue or build-up.

4OZ Spray P/N 09-02078.....
8OZ Spray P/N 09-02079.....

POLISHES – CLEANERS



MICRO-MESH LEADING EDGE POLISHING KIT

This kit will restore up to 100 sq. feet of unpainted aluminum surface. Perfect for leading edges, vertical and horizontal stabilizers, engine nose cowls and thrust reversers, removes oxidation, corrosion, orange peel, and surface scratches. Provides a uniform high-luster gloss.

Specifications:

- 1 - instructions
- 2 - 5" loop discs, Micro-Mesh 1800 AO
- 2 - 5" loop discs, Micro-Mesh 3200 AO
- 1 - 1/4 lb. container aluminum polish
- 1 - 5" x 3/4" nap TUFFBUF lambswool polishing pad
- 1 - 5" white, loop back foam pad
- 1 - 5" soft interface pad with hook
- 2 - 5" loop discs, Micro-Mesh 1500 AO
- 2 - 5" loop discs, Micro-Mesh 2400 AO
- 1 - 16 oz. bottle aluminum cutting fluid
- 2 - flannel cloths
- 1 - 5" soft interface pad with hook.

P/N 09-00785

WASH WAX ALL(REGULAR)



Wash Wax ALL is a water based cleaner/wax. Simply spray on and wipe dry, leaves an anti-static, non-stick protective coating on all surfaces such as paint, glass, plastic, leather, vinyl, rubber, wood, gel coat, aluminum, marble, granite and other hard surfaces. Also works great indoors on appliances, counter tops, cabinets, furniture, sinks, bath, shower, shop, lawn and garden equipment and furniture. Non-Corrosive • Alcohol Ammonia Free. Just Spray on and Wipe Dry

Quart.....P/N 09-00493
GAL.....P/N 09-00494



WASH WAX ALL (DEGREASER)

Wash Wax ALL (Degreaser) Is a water based degreaser/wax. For those tough, greasy, oily, and grimy cleaning jobs such as aircraft engine areas and bellies, car wheels and tires, boat transom, water line and engine areas. Simply spray on and wipe dry, leaves an anti-static, non-stick protective coating on all surfaces such as paint, glass, plastic, leather, vinyl, rubber, wood, gel coat, aluminum, and other hard surfaces. Note: the use of SafeSolv may be needed in extremely oily and greasy cleaning situations. Non-corrosive • alcohol & ammonia free

Quart.....P/N 09-00495
GAL.....P/N 09-00496



AERO SCRUBBER KIT

Soft, non-scratching, long-lasting, reusable scrubber pad. Use with Wash Wax ALL on tough cleaning jobs such as aircraft bellies, engine areas, leading edges, wheels and tires. Great for fast bug removal from painted surfaces. Each Kit includes 4 pads w/ 1 holder.

Kit.....P/N 09-01616
Package of 5 Pads...P/N 09-00509



AERO TOWELS

All purpose synthetic towel. Super soft, absorbent, long-lasting and lint-free. The best towel for all of your cleaning needs. 3 washable 16 x16 Aero Towels per package.

Quart P/N 09-00510



LEATHER CARE

Leather Care Provides the longest lasting barrier against drying cracking from damaging ultra-violet rays. Restores protects dull, faded, hardened leather and vinyl like new. Repels dust dirt without leaving oily residue. 1 Qt.

P/N 09-00503



RUBBER CARE

Rubber Care is easy to use water-based rubber and de-ice boot care product. Restores protects rubber, giving that new semi-gloss look without leaving oily residue. Excellent on weather stripping, tires or any rubber item. Quart

P/N 09-00505



CP/S CLEANER-POLISH/SEAL-COAT

CP/S removes oxidation and dirt out of the paint layer and restores the original brilliance, color and gloss. Hard rubbing is not required. CP/S is designed for a light pressure manual application. CP/S can be applied in direct sun or on a hot surface, however, expect best performance when the surface is not hot to the touch. Proper application will provide the best results and will maximize the resin seal-coat for future protection.

P/N 09-00784

KPC PRODUCTS, CLEANERS AND PRESERVATIVES

WINDSHIELD SPEED CLEANER & POLISH



KPC Windshield Shield Speed Cleaner Polish for Transparent Plastic Aircraft Materials. Meets U.S.A. Military Requirements MIL-C-18767A (ASG). This product is non-static, non-glaring, and abrasive free, will help prevent hazing and discoloration of clear plastic materials. Can be used in arid, humid, rain or sunny conditions. Recommended for: plastic windows, windshields, windscreens, and instrument faces, AS-2 safety glass, plexiglas, lexan and mylar, formica and other structural plastics. Safe, quick, easy to use.

12 oz.....P/N 09-00544
1 gal.....P/N 09-00545

KPC VINYL COATED CLEANER AND PRESERVATIVE



KPC Vinyl Cleaner and Preservative is a neutral biodegradable spray on - wipe off chemical. The finest chemical available for cleaning and preserving your breathable or solid vinyl, deep grained vinyls, pearlized vinyl, hercolyn, leatherette, nautahyde, or any synthetic fabric. No abrasives, residue, coating, or discoloration. KPC Vinyl Cleaner will not damage cloth, rugs, chrome, painted walls or any of the threads or seals that hold the vinyls together, or any backing of breathable vinyl as used on some of the imported cars. Leaves article soft and pliable.

12 oz.....P/N 09-00542
1 Qt.....P/N 09-00543

KPC ALL PURPOSE LIQUID HAND CLEANER



KPC All Purpose Liquid Hand Cleaner with lanolin and antiseptic leaves hands soft and smooth. For people who want their hands cleaned gently but thoroughly. Product is soluble and free from grit or harsh abrasives. Use with or without water. After application, rinse hands or dry with cloth. Recommended for mechanics, plumbers, painters, printers, roofers and any job where grease, oils, paint, sap, tar or grime is present. Also an excellent all purpose hand cleaner for home, office and shop. All Purpose Hand Cleaner is non-caustic and biodegradable.

8 oz.P/N 09-00546



KPC RUBBER CLEANER AND PRESERVATIVE

KPC Rubber Cleaner and Preservative restores new look to your rubber accessories. All rubber parts will look like new (no painted or artificial look). Cleans and preserves all rubber molding of aircraft, auto, commercial, etc. Cleans and restores floor mats whether clear, red, brown, etc. to their original color. Not harmful to paint, glass, chrome, rugs, aluminum, etc., and will not change the original color of any rubber material.

16 oz.....P/N 09-00548

KPC LEATHER CLEANER & PRESERVATIVE



KPC Leather Cleaner and Preservative cleans genuine leather with a saddle soap base -preserves leather with pure neatsfoot oil. A one step leather care for all leather goods. Wipe on -wipe off. No oily residue is left on your leather. Kleenmaster uses only natural animal oils which penetrate into the leather. It preserves the finish even if leather becomes hot. Product is nonflammable, free of offensive odor, and will not irritate skin. Helps prevent mildew.

4 oz.P/N 09-00550
8 oz.P/N 09-00551

KPC AIRCRAFT SHAMPOO CONCENTRATE



KPC Shampoo Concentrate for cleaning auto, aircraft and boat surfaces of fiberglass, aluminum, chrome or painted surfaces. Use in sun or shade, just shampoo and rinse. Will not remove wax when applied to a cool surface. 1 oz. of concentrate makes four gallons shampoo. Will not harm paint, glass, plastic, rubber, chrome or vinyl. Leaves a highly polished appearance. Helps protect surface from deterioration.

1 gal.....P/N 09-00553

CS

POLISHES & CLEANERS

ALL KLEER



Black Labs Corporation is proud to introduce, All Kleer, the ultimate plastic windshield cleaner and polish. All Kleer was invented by a pilot over 25 years ago for cleaning and maintaining plastic aircraft windshields that require absolute clarity.

All Kleer is different than most windshield products on the market as it not only cleans dirt, bugs and grease but leaves a very fine, slick finish. This finish helps to repel water, dust, bugs, and water spotting - making it easier to see and to clean the next time. All Kleer contains no wax, ammonia, or abrasives and does not require the use of any water. A non-pressurized leak proof 8oz bottle is designed to be carried on board if desired.

Simply apply All Kleer with a clean towel to a dry windshield cleaning off any bugs and dirt and allow 30-60 seconds for a haze to form. After it has completely dried, wipe off with a clean towel and feel the All Kleer finish.

P/N 09-01602

PRIST® ACRYLIC, PLASTIC AND GLASS CLEANER: FOR ALL TYPE OF WINDOWS



The convenient 13-ounce can is ideal for use on acrylic, stretched acrylic, poly carbonate, glass, and coated glass. It may also be used for cleaning many other sources including aircraft interiors, goggles, helmets, lenses, and plastic and metal surfaces. Prist cleaner contains no abrasive cleaning agents and cleans without scratching glass or plastic surfaces.

This prevents scratches in acrylic windshields that necessitate costly replacement. Unlike other cleaners, Prist cleaner dispenses as foam and leaves no residue. The cleaning agent soaks into the dirt, grease and insects to remove them with minimum effort. Suitable for interior and exterior cleaning, Prist cleaner prevents static charge build-up with regular use.

13oz. Can..... P/N 09-02049

Case (12 Cans)..... P/N 09-02049-1

PILOT'S VIEW POLISH & CLEANER



Ideal for GPS, Avionics, Plexiglas Windows and much more. This Product Will Not Scratch Anything. Safe on: Eyeglass/Sunglass lenses, Anti-reflective, protective-coated and shaded lenses, sun visors and plexi windshields.

1 oz. Spray 09-01583

27 oz. Sprayer 09-01584

Kit (27 oz. Sprayer / 1 oz. Spray)

09-01585

GLARE PROFESSIONAL POLISH



A non-stick high-gloss all-weather sealant. The finest polish for your car, airplane, boat, motorcycle, glass, stainless steel, fiberglass, chrome, Carbon Graphite, and RV in the world's market. Filters out UV Rays, turns to glass on and within your paint. Contains Glassplexin. Bonds molecularly to your paint. The most revolutionary polish ever developed. Beyond 22nd century technology. Lasts up to five years.

12oz. P/N 09-01055

GLARE SPIDER

"Another innovation of Ultra 2000 MFG Int'l, Inc.

Beyond 22nd century technology."

GLARE Spider is the most advanced swirl, spider web, and scratch removal product in the market. Ultra high purity metal interlinked fusion of glass particles to Glassplexin forming a unique highly advanced swirl mark remover polish. GLARE Spider fills in permanently, it is NOT a temporary solution - not found anywhere.

12oz. P/N 09-01061



GLARE RAPID ACTION SPRAY



Ultimate protection for Cars, Planes, Boats, Motorcycles, Fiberglass, Plastic, Stainless Steel, Chrome, Carbon Graphite Polished Aluminum. Now in a convenient and easy to use spray formula. Contains Glassplexin and lasts up to six months. Bonds molecularly to your paint. The most exciting polish ever developed. Beyond 22nd century technology.

P/N 09-01057

GLARE ULTRA WASH

"Cleans your vehicle, keeps your shine."

The most advanced wash ever developed. A PH balanced concentrated wash. Safe for all paints and finishes including the new clear-coated paints. New technology that leaves your vehicle clean and glossy like no other vehicle wash can. Contains Glasplexin.

12oz. P/N 09-01062



GLARE VINYL • LEATHER ALL WEATHER PROTECTANT



A special blend of natural ingredients and a chemical formulation called SUPPLEXIN which is designed to beautify, soften, deodorize, preserve, and protect against damaging agents found in the everyday usage of your vehicle's interior. This product cleans, conditions, preserves, and protects in one easy step. Contains no harmful silicones, or adverse active ingredients. Blocks harmful UV rays.

12oz. P/N 09-01056

GLARE LIQUI-CLAY

"The Clay Bar in a Bottle."



Smooths and removes stubborn blemishes before polishing. Won't rescratch your paint like a regular Clay Bar. Fast and very easy to use. The MOST advanced claying system for your vehicle's finish ever developed.

- Restores Color • Picks up Debris, Fallout, Insects, & Dirt
- Particles like a Magnet! • Smooths paint like glass
- Preps paint before polishing

12oz. P/N 09-01059

GLARE TIRE MAGIC

"The ultimate all in one tire appearance protection product!"

Glare Tire Magic will filter out harmful Ultra Violet Rays from the sun. Extreme temperature resistant formula for all climates. Stops tires from cracking and fading. Gives a beautiful rich natural high gloss finish. Splatter resistant formula. Easy to use - just spray and wipe.

16 oz. P/N 09-01058



GLARE KNOCK OUT!



"Restores all paints, removes & reverses oxidation, and fills in scratches." Glassplexin actually fills in the surface scratches and reverses oxidation to bring the painted surfaces to a new level of beauty not available with any other compounds. One step compound: NO WAX NO SILICONE NO POLYMER

- Great for all clear coats • Easy to apply. Works quickly! Saves time!
- Removes swirl marks from all paint including clear coats • Preps paint with the most advanced ingredient - Glassplexin

12 oz. P/N 09-01064

GLARE TURBO ACTION WHEEL CLEANER

Glare Turbo Action Wheel Cleaner is the most powerful, effective, fastest working wheel cleaner on the market. Safe for ALL types of wheels - Aluminum, Chrome, Magnesium - as well as clear coated painted wheels. Makes your wheels look show room bright and shiny the easy and safe way. Removes and dissolves dirt, grime, brake dust, and grease. Spray on Glare Turbo Action Wheel Cleaner to dirty wheels. Hose off with clean water to get your wheels looking like new again.

16oz. P/N 09-01063



GLARE (GALLON) PROFESSIONAL POLISH • MICRO-FINISH • ULTRA WASH



GLARE Professional Polish - A non-stick high-gloss all-weather sealant. The finest polish for your car, airplane, boat, motorcycle, glass, stainless steel, fiberglass, chrome, Carbon Graphite, RV in the world's market. Filters out UV Rays, turns to glass on and within your paint. Contains Glassplexin. Bonds molecularly to your paint. The most revolutionary polish ever developed. Beyond 22nd century technology. Lasts up to 5 years.

GLARE Micro-Finish - "We burn out the competition." - A non-stick high-gloss all-weather sealant that lets paint breathe. Contains Glassplexin. Ultimate scratch and oxidation removal for Cars, Planes, Boats, Motorcycles, Fiberglass, Plastic, Stainless Steel, Chrome Polished aluminum. For use with GLARE Professional Polish.

GLARE Ultra Wash - "Cleans your vehicle & keeps your shine" - The most advanced wash ever developed. A PH balanced concentrated wash. Safe for all paints and finishes including the new clear-coated paints. New technology that leaves your vehicle clean and glossy like no other vehicle wash can. Contains Glasplexin.

Glare Pro Polish - Gallon P/N 09-01066

Glare Micro Finish - Gallon P/N 09-01065

Glare Ultra Wash - Gallon P/N 09-01060

PLEXIGLASS RESTORATION - LEATHER CARE



MICRO-MESH WINDSHIELD SCRATCH REMOVAL KIT

Micro-Mesh is a cloth backed cushioned abrasive with a resilient layer of material between the back and the abrasive. When pressure is applied, the abrasive crystals recede into the resilient layer and find an even plane for cutting. The result is a smooth shaving action with an ultra fine scratch pattern which restores scratched, discolored, or damaged fiberglass or acrylics to like-new condition. Kit includes everything needed to repair approximately 30 sq. ft. Standard Kit (restores up to 30 sq. ft.)..... P/N 09-24700..... Large Kit (restores up to 60 sq. ft.)..... P/N 09-24701..... Professional Kit (restores up to 100 sq. ft.)..... P/N 09-24716.....



MICRO-GLOSS POLISH

Safe for use on bare acrylic, bare polycarbonate, and coated polycarbonate. Tests using Micro-Gloss were completed according to ASTM F791 standards and to USAF specification 16ZK002F (Addendum 2) at stress levels of 2000 and 3000 PSI in both dry and humid conditions. Approved for use on the inside and outside surfaces of F-16 aircraft. * Removes fine scratches. * Removes swirls created by improper cleaning methods. * Removes haze and milkiness from interior/exterior windows. * Provides a final polish, leaving you with an ultra-clear finish. * Can be applied by hand or machine. * Approved for use by Boeing, Spec D6-52021. * Approved for military use, NSN #5350-01-334-89978 oz..... P/N 09-24710.....

MICRO-SURFACE WINDSHIELD RESTORATION KITS

Micro-Surface Finishing Products, Inc. FAA Repair station #KY2R969K, has been a leader in acrylic restoral for the past 30 years. The following kits were developed for use with standard power tools. Micro-Mesh is approved by Boeing/McDonnell Douglas, the Military and FAA. All kits come with easy to read instructions. Designed to save you both money and time, these kits will restore acrylic back to optical clarity using a minimum of steps. Re-order individual components as you need them. All kits restore up to 100 sq. ft.



MAINTENANCE KIT - Remove scratches, halos and haze. 5 White Foam Sponge Pad, 5 TufBuf, All Natural Lambswool Polishing Pad, 5 Back-up Pad, 8 Ounce Bottle Micro-Gloss, 8 Ounce Bottle Anti-Static Cream, 2 Cotton Flannel P/N 09-24715.....



LIGHT DAMAGE REMOVAL KIT - Remove minor scratches and scuff. 2-5 Loop Back Discs, Micro-Mesh 1500, 2-5 Loop Back Discs, Micro-Mesh 2400, 2-5 Loop Back Discs, Micro-Mesh 3600, 5 White Foam Sponge Pad, 5 TufBuf All Natural Lambswool Polishing Pad, 5 Back-up Pad, 8 Ounce Bottle Micro-Gloss, 8 Ounce Bottle Anti-Static Cream, 2 Cotton Flannel P/N 09-24720.....



HEAVY DAMAGE REMOVAL KIT - Remove crazing, scratches, and gouges. 5-5 Loop Back Discs, Wet/Dry 120 Grit, 5-5 Loop Back Discs, Wet/Dry 220 Grit, 5-5 Loop Back Discs, Wet/Dry 400 Grit, 2-5 Loop Back Discs, Micro-Mesh 1500, 2-5 Loop Back Discs, Micro-Mesh 2400, 2-5 Loop Back Discs, Micro-Mesh 3600, 5 White Foam Sponge Pad, 5 TufBuf All Natural Lambswool Polishing Pad, 5 Back-up Pad, 8 Ounce Bottle Micro-Gloss, 8 Ounce Bottle Anti-Static Cream, 2 Cotton Flannel P/N 09-24725.....



MICRO-MESH POLYCARBONATE RESTORATION KIT

Excellent for restoring polycarbonate such as Lexan on aircraft, boats, cars, motorcycles. Will restore up to 100 square feet material. Kit includes: • 5" disc w/ loop 2400 MicroMesh • 5" disc w/loop 3600 MicroMesh • 5" random orbital or drill back-up pad • 5"x 3/4" TufBuf lambswool polishing pad • (2)11.5"x 12" flannel sheets • Instructions • 5" white sponge pad • 8 oz. Micro-Gloss #5 • 8 oz. Micro-Gloss • 8 oz. Final Finish P/N 09-00490.....



MICRO-MESH FINISHING KIT FOR WOOD

This kit is designed for craftsmen for use in hand finishing applications and without the mess of steel wool, rottenstone or pumice. MicroMesh may be used on bare or finished wood with wet or dry application method. A high reflective finish, satin or matte finish can be achieved, depending on how many MicroMesh steps are completed. This makes it an excellent product for spot matching of finishes. P/N 09-24705.....



PLEXIGLASS LENS REPAIR KIT

Protect your investment by restoring crazed, scratched, hazy lenses. Perfect for recognition light lenses, navigation light lenses, and landing light lenses. Lenses can be restored on the plane without removal. Soft Touch pads in this kit fit nicely in your hand and allow you to polish both concave and convex surfaces with ease. Dry pads, store and reuse again and again. P/N 09-01603.....

PERRONE LEATHER PRODUCTS

DEEP CLEANER FOR LEATHER



Perrone's Leather Cleaner / Conditioner is a premium blend of gentle cleansers and light conditioners formulated to clean and rejuvenate finished leather, vinyl and plastic surfaces. Perrone's Leather Cleaner/ Conditioner removes dirt, dust and oils without drying or damaging the surface.

Perrone's Leather Cleaner/ Conditioner helps protect leather from weathering and fading. Leaves leather surfaces soft, supple and smelling like new again. The wipes are treated with the same leather cleaner/ conditioner as in the spray bottle.

Perrone Leather Cleaning/ Conditioning products create an invisible barrier between leather seat covers and soils. This quick, convenient and cost effective method of reducing ink stains, dirt, grease, grime and body oils from penetrating leather surfaces will add to the longevity and appearance of your aviation leather interior without any adverse effects on flammability.

32 oz. w/Trigger Spray P/N 09-00557
1 Gallon Refill P/N 09-02062
Sontara Wipes (45 Wipes)..... P/N 09-00559



DEEP CLEANER FOR LEATHER

This unique formula is custom blended to clean and rejuvenate fine leather surfaces. Leather Cleaner with Conditioner features a unique protective barrier that, when used regularly, helps to prevent soiling from stains such as dirt, grease, ink, grime and body oils. P/N 09-02120



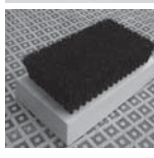
LEATHER CONDITIONER

This unique formula is custom blended to clean and rejuvenate fine leather surfaces. Leather Cleaner with Conditioner features a unique protective barrier that, when used regularly, helps to prevent soiling from stains such as dirt, grease, ink, grime and body oils. 16 oz. P/N 09-02121



INK REMOVER

Perrone Ink Remover will help to effectively remove most ink and highlighter stains from finished leather surfaces. Removes lipstick and other stains quickly and effectively. Will not harm the finish system of finished leather. 2oz P/N 09-02122



LEATHER CLEANING BRUSHES

Specifically designed for leather cleaning, Perrone's Leather Cleaning Brushes dig out tough soils and stains from the pores of natural and corrected grained leather. For best results use in conjunction with Perrone's cleaning products. Can also be used for suede and nubuck. Sturdy Wood Block with 3-1/2 x2 Bristle Bed P/N 09-02123

HEADLIGHT REPAIR & SCRATCH-AWAY RESTORE KITS



PLEXIGLASS LENSE REPAIR KIT - Removes crazing, scratches, scuffs, and haze from navigation light lenses, recognition light lenses and landing light lenses. Not necessary to remove lense to restore to optical clarity. P/N 09-02171



SCRATCH AWAY HEADLIGHT RESTORE KIT - This kit will remove haze, cloudiness, and light scratches. Process will resurface the lense rather than fill in scratches. Once the process is complete, damage will not return. This is a spot repair kit. We also have larger kits available. P/N 09-02170



ACRYLIC HEADLIGHT LENSE RESTORATION KIT

- Easy to use double sided MICRO-MESH SOFT TOUCH PADS make removing cloudiness and haze from lenses, lense covers, tail lights, tail light black-outs, and bug deflectors a snap Each kits contains: 3 IN. x 4 IN. double sided pads in 120/220, 400/1500, 2400/3600, 4000/12000, 1 oz. bottle MICRO-GLOSS liquid abrasive, and 2 cotton flannel cloths. Clean, dry, and reuse over and over - A FANTASTIC VALUE P/N 09-02172

CS

CLEANERS – POLISHES



CLEAR™ WINDSHIELD CLEANER

Specifically developed for aircraft windshields. Flight Bright CLEAR provides optimum visibility without harming the windshield or paint. Features: • Easy to use • Streak-free • Anti-static • Non-abrasive • Prolongs windshield lifespan • Non-Yellowing Formulation

2.5 oz. P/N 09-00792
22 oz. P/N 09-00793

FINAL APPROACH™ POLISH & SEALANT

Provides long-term protection and an impressive high gloss finish. No wax or free silicones. Safe for all types of paints, clear coats, graphics, fiberglass and plexiglass. Features: • Easy to apply • High gloss finish • Leaves no white powdery residue • Acid rain and sun fading protection.

P/N 09-00794



ARRIVAL METAL POLISH

Arrival Metal Polish is a first-class liquid polish designed to give your aircraft a premium shine in no time. It is the ultimate polish for the restoration and maintenance of unpainted metals. Arrival also works great in the removal of rust and oxidation.

P/N 09-01090



ILS™ INTERIOR LEATHER SYSTEM

Flight Bright ILS™ uses a gentle balance of moisturizers and lanolin oils to nourish, preserve and enhance fine leather. With regular use, this conditioning cream penetrates and softens leather to prevent dryness and cracking. Yellow application sponge included. Features: • Moisturizes • Nourishes • Softens

P/N 09-00802



PRE-FLIGHT™ WASH (CONCENTRATE)

Highly concentrated, commercial-strength, gloss-enhancing wash. Contains no acids, silicones, waxes or damaging sodium chloride. Its thick foaming action delivers a thorough but gentle cleansing for any aircraft. Features: • Will not remove polish • Non-abrasive • Streak-free rinsing • Quick drying

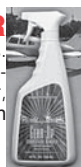
Wash P/N 09-00803
Gallon P/N 09-00804



GEAR-UP™ EXHAUST & OIL REMOVER

Specially formulated to remove exhaust and oil from airplanes. Quickly cuts through carbon grease. Solventfree, caustic-free GEAR-UP removes stains and ink from fine leather, upholstery & carpets. Features: • Cuts through grease & oil in seconds • Non-corrosive • Solvent-free.

2.5 oz. P/N 09-00795
22 oz. P/N 09-00796
1 Gallon .. P/N 09-00797



TAKE-OFF™ BUG REMOVER

Specially formulated to soften and neutralize the acidic proteins found in bugs. TAKE-OFF safely removes bug residue without removing polish or damaging paint, clear coat, glass, plastic, metals chrome. Features: • Powerful & effective • Will not remove polish • Excellent spot cleaner for bugs inbetween regular washings • Ready-to-use as a pre-soak for bugs before washing

2.5 oz. P/N 09-00805
22 oz. P/N 09-00806
1 Gallon P/N 09-00807



GO-AROUND™ WATERLESS WASH & DETAILER

Gives your aircraft that just-polished, slippery feel and highgloss wet-look Fast and easy to use. Petroleum-free, silicone-free, Flight Bright GO-AROUND safely removes dust, bugs and mild grime. Features: • Wont scratch, streak or smear • Anti-static gloss enhancer • Leaves no oily film

2.5 oz. P/N 09-00798
22 oz. P/N 09-00799
1 Gallon P/N 09-00801



DRIVEN AUTOMOTIVE POLISH

Driven Automotive Polish is the most highly advanced formulation of premium grade polymer polish on the planet. It has a super high gloss wet look with incredible depth and clarity, the sheeting action reduces water spots that wipe clean. Nothing sticks. Harmful elements can't bite in. Easy to apply in sun or shade. Can be applied to an entire vehicle before wiping off. Will not harden or cake. Long lasting. Holds up under intense heat from sun and severe winter cold for up to 1 full year. Cleans surface contaminants and oxidation with no abrasives. Fills light swirl marks and leaves no residue. Repels water from windows in the rain without the use of wiper blades. Cleans brake dust from rims. Once applied, non-stick finish reduces brake dust build-up. Paint life is dramatically extended by feeding with essential polymers oils. Excellent for use on aircraft.

P/N 09-00776

DRIVEN MARINE POLISH

Driven Marine Polish is the most highly advanced formulation of premium grade polymer polish on the planet. Sheeting action reduces water spots that wipe clean. Nothing sticks. Harmful elements can't bite in. Easy to apply in sun or shade. Super high gloss wet look with incredible depth clarity. Long lasting. Holds up under intense heat from sun and severe winter cold for up to one full year. Maximum U.V. inhibitors prevent sun damage. Excellent for use on aircraft.

P/N 09-00777



DRIVEN QUICK SPRAY CONCENTRATE

Driven Quick Spray Concentrate is a highly concentrated, biodegradable solution, not only cleans water spots, it brightens and enhances the finish while strengthening Driven's legendary non-stick protection with each application. Just add water and make 4 qts of fluid for every pint of concentrate. Once activated by water, it works by combining biodegradable cleaners, the power of citrus, and a full spectrum of essential polymers and oils. Driven's high lubricity formula actually encapsulates water spots, dust particles, fingerprints and other fresh surface contaminants, allowing them to be wiped away without streaking. Driven Quick Spray Concentrate will not strip polish or wax. And it won't stain rubber or vinyl. This formula deepens and enriches all hard surfaces, adding brilliance and protection to your finish. Excellent for use on aircraft.

P/N 09-00779



DRIVEN WASH CONCENTRATE

Driven Premium Polymer Wash safely cleans all automotive and marine finishes without stripping polish or wax. Activated by water, this unique combination of cleaning agents foams away surface contaminants while brightening and nourishing the finish with a full spectrum of protective polymers. Biodegradable. pH balanced. Safe for clear coat and fiberglass gel coat. Super concentrate provides more washes per bottle. Sheeting action is highly effective in the reduction of hard water spots. Rich foamy lather. Will not streak. Brightens and extends polish protection and shine. Excellent for use on aircraft.

P/N 09-00780



DRIVEN PROTECTOR

Driven Vinyl/Rubber/Leather Protector is a Premium Polymerbased cream that conditions, preserves and protects new and old vinyl, rubber and leather leaving them naturally soft and supple without being slippery or greasy. This conditioning formula feeds and nourishes new vinyl, rubber and leather with a full spectrum of rich gels, protective polymers and U.V. sunscreens. It also rejuvenates old and neglected surfaces that have dried and faded due to weather, exposure and the sun's damaging rays. Excellent for use on aircraft.

P/N 09-00781



DRIVEN FINISH RESTORER

Driven Finish Restorer promises delivers unparalleled performance. This dramatically different premium grade glazing compound was designed using only the very highest quality of ultra fine micro abrasives to achieve world class results. These precision abrasives with numerous exterior facets and extremely sharp edges are the critical element for safe removal of oxidation, heavy water spots, surface contaminants, stains and light surface scratches. Driven Finish Restorer simultaneously feeds the finish with a full spectrum of essential polymers and oils resulting in a phenomenal shine. Safe for all automotive and marine finishes including paint, clear coat, fiberglass gel coat and all types of metal. This unique combination of safe cleaning and nourishing is sure to bring out the very best in your finish. Excellent for use on aircraft.

P/N 09-00778



FLIGHT LINE KIT

The complete Flight Line Kit comes with a custom-made, compartmentalized, easy-access, leak-proof gear bag. Each of the following Flight Bright products are included: *CLEAR Windshield Cleaner *FINAL APPROACH Polish Sealant *GEAR-UP Exhaust Oil Remover *GO-AROUND Waterless Wash Detailer *ILS Interior Leather System *PRE-FLIGHT Wash Concentrate *TAKE-OFF Bug Remover *AIRCRAFT WINDSHIELD WIPES *ANTI-STATIC HAND PAD * MULTI-FIBER POLISHING CLOTH *ARRIVAL METAL POLISH *Also included is a Flight Bright T-Shirt.

P/N 09-00808



THE PROPER AIRCRAFT CLEANING PRODUCTS



TRI-GUARD™

The Best boot treatment available!

One of the most frequently asked questions we receive from aircraft owners is What is the best way to take care of my de-ice boots and not spend a lot of time After researching, testing, and re-testing; The Proper Aircraft has found a solution. Tri-Guard De-Ice Boot Protectant, the newest edition to The Proper Aircraft's line of quality aircraft cleaning products. Tri-Guard is a rejuvenating conditioner with a high gloss shine, as well as a component to help with the ice-shed process. It is specially formulated to achieve superior care of your de-ice boots in less time (and money) over traditional multi-step products.

Description
16 oz. 09-02028
1 Gallon..... 09-02029



TRI-GUARD™ PREP CLEANER

To ensure the most effective results, proper preparation is key. Tri-Guard Prep Cleaner is formulated for use before each application of Tri-Guard De-Ice Boot Protectant. It effectively cleans the de-ice boot of all old boot treatments, ensuring the best results.

16 oz. 09-02030
1 Gallon..... 09-02031



AERO SURFACE WASH

Formulated specifically for aircraft finishes. Aero Surface Wash quickly penetrates and loosens oil and grease without stripping the wax. Its advanced, highly concentrated cleaning formula cuts through stains, dirt and acid rain. It revives colors and dries without streaking or spotting. Gentle, yet effective, Aero Surface Wash is safe for all aircraft exteriors.

16 oz. 09-02014
1 Gallon 09-02039



POWER CLEAN GEL

Safe, yet aggressive, Power Clean Gel attacks even the most stubborn cleaning problems. It removes bugs, grease, oil, bird droppings and hydraulic oils. The gel stays where it's sprayed no runs, no drips. And it cleans the leading edge and difficult exhaust stains without damaging the paint. Use our Sontara disposable wipe cloths Power Clean Gel to achieve the best results.

16 oz. 09-02015
1 Gallon..... 09-02016



WINDSHIELD GEL

One of our best sellers. Cleaning gel formulated for acrylic windshields. Unlike other window cleaners, Windshield Gel doesn't streak or leave a residue. Windshield Gel's unique blend of ingredients penetrates and lifts dirt allowing a clean wipe off and a sparkling, streak-free finish. It cleans, shines, and protects without scratching. Safe on all surfaces. Its antistatic qualities and excellent vertical cling are specially formulated for acrylic windshields.

16oz. 09-02017
1 Gallon 09-02018



WINDOW POLISH

The Proper Aircraft Window Polish removes fine scratches and helps restore clarity to aircraft windows. Manufactured to meet milspec PP560B specifications, Aircraft Window Polish is safe and effective for use on all acrylic aircraft windows. It removes cumulative surface soils, produces a smooth, lustrous finish and is nontoxic, antistatic and noncorrosive to adjoining aluminum surfaces. Simply apply the polish, let dry, and wipe it off. The results Clear, clean, residue-free windows.

P/N 09-02019.....



LIQUID CARNAUBA WAX

Liquid Carnauba Wax the ultimate in shine, durability and protection. Liquid Carnauba Wax will safely protect your finish from the effects of insect stains, acid rain, engine exhaust and other finish eaters. Our unique formula Liquid Carnauba Wax contains the highest-grade #1 yellow carnauba wax the best in the world. The special ingredients are designed to protect and preserve all aircraft finishes, including clearcoats. Its easy-on, easy-off application is a plus. For use on newer finishes.

P/N 09-02020.....



REJUVINATING LIQUID CARNAUBA WAX

Rejuvenating Liquid Carnauba Wax restores oxidized finishes to their original beauty. Our rejuvenating wax contains the same rich ingredients as Liquid Carnauba Wax with the addition of a mild rejuvenating polish. In one easy step, Liquid Carnauba Rejuvenating Wax safely strips away oxidation from old painted surfaces. The result: a polished gleam that lasts. Carnauba doesn't leave a buildup of wax because you apply it with one thin coat. It goes on and wipes off with ease. For use on finishes that have oxidation

P/N 09-02021.....



LEATHER CONDITIONER & PROTECTOR

There's nothing quite like the look and feel of new leather. And there's nothing quite like the Proper Aircraft Leather Conditioner for keeping it that way. The Proper Aircraft Leather Conditioner keeps your interior soft and vibrant without leaving a greasy residue, prevents soiling and inhibits moisture loss. The Proper Aircraft Leather Conditioner contains natural penetrating oils that nourish the hide's deep fibers and restore moisture, improving the leather's resiliency. It's highly concentrated, so a little goes a long way. Before conditioning, we recommend that you first clean leather using The Proper Aircraft Leather Cleaner.

P/N 09-02022.....

CS

SPRAY NINE CLEANERS & DEGREASERS



AV-8 MILITARY AIRCRAFT SOAP FROM SPRAY NINE

Type IV Heavy Duty, Water Dilutable Cleaning Compound. AV-8 is a biodegradable, highly concentrate, microemulsion blend of surfactants and builders that provide a broad range of cleaning on painted and unpainted aircraft exteriors, aerospace ground equipment (AGE) and AGE engines with the assistance of a proprietary blend of corrosion inhibitors. AV-8 effectively and efficiently removes grease, oils, carbon exhaust, hydraulic fluid, gun gas, graphite, dirt and

other soils. Rinses easily without having streaks or residue. AV-8 is low emulsifying and will not negatively impact oil water separator systems and other pollution abatement systems. Features: • Qualifies to MIL-PRF-87937. • Listed on AF Qualified Products List QPL#AFIT-05-002. • AMCOM approved for use on Army helicopters. • Conforms to Boeing D6-17487 Rev. P Spec. • Conforms to Douglas CSD-1 Spec. • Conforms to AMS-1526B Spec. • Meets EPA 793.3100 Aerobic Aquatic Biodegradation

Ready-to-Use 24 oz. Spray P/N 09-01970
Concentrated Soap - 5 Gallon P/N 09-01972
Concentrated Soap - 55 Gallon P/N 09-01973

SPRAY NINE MULTI-PURPOSE CLEANER



Cleans • Disinfects • Degreases • Deodorizes • Removes Stains Tough Task Cleaner - Spray Nine's no-nonsense power tackles your worst cleaning jobs, even when others fail. And it does it FAST - Money Saver - The only product necessary to clean up facilities maintenance costs. One does it all formula reduces chemical use and gets the job done with less labor in less time than the competitors. Broad Spectrum Disinfectant - EPA-registered disinfectant kills harmful germs like HIV-1, Staphylococcus aureus, Salmonella choleraesuis E. coli in just 45 seconds. Also helps prevent cross contamination.

Authorized by USDA for use in federally inspected meat poultry plants with an C-1 rating.

24 oz. Multi-Purpose P/N 09-01974
25 oz. Multi-Purpose P/N 09-01975
32 oz. Multi-Purpose P/N 09-01976
1 Gallon Multi-Purpose P/N 09-01977
5 Gallon Multi-Purpose P/N 09-01978
55 Gallon Multi-Purpose P/N 09-01979

EARTH SOAP CONCENTRATED CLEANER/DEGREASER FROM SPRAY NINE



Premium Environmentally Preferable Cleaner

Cutting-edge biodegradable technology combines powerful surfactants with low emulsifying action to create Earth Soap, a potent, yet environmentally thoughtful product. Earth Soap's innovative formula dissolves dirt, grease, grime and other hard-to-remove soils from most hard, washable surfaces.

This versatile, concentrated cleaner may be custom-formulated by diluting in any proportion with water - from 1:1 for heavy soil loads to 50:1 for routine light-duty cleaning. Additionally, Earth Soap contains NO solvents, butyl, phosphates, or other harsh chemicals. Earth Soap is low-emulsifying and will not negatively impact oil/water separators and other pollution abatement systems. Corrosion Inhibiting - Corrosion-inhibiting formula cleans metal parts without damaging parts or parts washers (metal and plastic, traditional and heated up to 180 degrees F) Ideal uses: Dip Tanks • Engines • Concrete/Hangar Floors • Vehicles (Inside & Out) • Wash Racks • Tools & Equipment • CTK Took Kits • Plastic & Vinyl • Floors & Walls • Parts Washer (both traditional and heated up to 180 F)

32 oz. P/N 09-01980
1 Gallon P/N 09-01981
5 Gallon P/N 09-01982
55 Gallon P/N 09-01983

GREZ-OFF HEAVY DUTY DEGREASER FROM SPRAY NINE



When Nothing Else Cuts It - Grez-Off works hard so you don't have to. This heavy-duty answer to heavy-duty grease and grime leaves engines, machinery, asphalt, garage floors and more whistle clean. Top Rated Track Record - Twice rated the #1 degreaser in an independent consumer report with top marks for effectiveness, safety and environmental impact. Made With You And Your Environment In Mind - Biodegradable, non-flammable formula hits hard and fast with

less impact on user and environment. Finally a water based product that really works

Ready-to-Use Formula is Gentler to the User: • Non-Flammable • Non-Combustible • No Acids • No Fumes or Unpleasant Odors

32 oz. P/N 09-01984
1 Gallon P/N 09-01985
5 Gallon P/N 09-01986
55 Gallon P/N 09-01987



BIO ENZYMATIC CLEANER FROM SPRAY NINE

Bio Enzymatic Cleaner from Spray Nine For Concrete Floors, Asphalt & Blacktop: • Cleans • Degreases • Digests Oil Stains Bio Enzymatic Cleaner is an innovative new cleaner/degreaser oil stain remover from Spray Nine Corporation. Featuring a unique mix of oil breaking surfactants and bio-enzymatic agents, Bio Enzymatic Cleaner gets rid of oil grease stains with amazing results. Fast Cleaning Action - Bio Enzymatic Cleaner's concentrated formula hits grease and oil hard with its fast breaking surfactants. This helps you rinse away spills before they set in to become stains Penetrates Porous Surfaces - Bio Enzymatic

Cleaner goes straight to the heart of set-in stains. A blend of carefully chosen bio-enzymatic agents penetrates deep into the pores of surfaces and eliminates stains at the source. This provides residual cleaning action that gets stronger with every application Breaks Down Stains Into Water and CO2 - Bio Enzymatic Cleaner produces highly specialized enzymes to naturally digest grease and oil stains at the source. The formula is also solvent-free, non-flammable and non-abrasive for added environmental benefits.

32 oz. P/N 09-01988
1 Gallon P/N 09-01989

POLY SCRUB HEAVY-DUTY HAND CLEANER FROM SPRAY NINE



Industrial Strength Paste-Type Hand Cleaner - Hits hard with millions of dirt busting poly scrubbers to dig out and mop up even the toughest soils.

Tough On Dirt, Gentle On Hands - Contains no harsh solvents that dry out hands yet powers off dirt, grease, ink, adhesives, hydraulic fluid, carbon and more while leaving behind a refreshing lemon-lime fragrance.

Fights Foul Odors - Combats fish, onion, garlic, fuel, oil, lubricant printer's ink odors.

Poly Scrub Easily Removes:

Grease • Oil • Hydraulic Fluids • Glues • Ink • Asphalt • Varnish • Paint • Carbon • Adhesives • Tar • Stains • Cement

5oz. P/N 09-01990
3.8 Pound P/N 09-01991
26 Pound P/N 09-01992

COCO SCRUB HEAVY-DUTY HAND CLEANER FROM SPRAY NINE



Tough On Dirt - Industrial strength hand cleaner formulated with millions of dirt busting poly scrubbers that dig out and mop up even the toughest soils.

Easy On Hands - Fortified with emollients to prevent drying cracking. Leaves behind a pleasant coconut fragrance.

Fights Foul Odors - Combats fish, onion, garlic, fuel, oil, lubricant printer's ink odors.

Poly Scrub Easily Removes:

Grease • Oil • Hydraulic Fluids • Glues • Ink • Asphalt • Varnish • Paint • Carbon • Adhesives • Tar • Stains • Cement

7.5 oz. P/N 09-01993
4 Pound P/N 09-01994
26 Pound P/N 09-01995

POLY 500 HAND CLEANER DISPENSING SYSTEM FROM SPRAY NINE



Economical - Use just one dollop of Poly Scrub to clean even the dirtiest hands. Each 4 lb. cartridge packs 500 dollops when dispensed through the POLY 500 - so each wash is only pennies per use

Convenient - Simply insert a fresh 3.8 lb. tub - no mess, no waste.

Durable - Rugged injection molded construction and tough, durable plastic components will hold up to the toughest use and abuse.

Lockable - Lockable lid keeps Poly Scrub fresh Secure

P/N 09-01996

COMPOSICLEAN AIRCRAFT CLEANING PRODUCTS



COMPOSICLEAN BUCKET-WASH

Bucket-Wash concentrate is neutral pH and safe and effective on all aircraft. Bucket-Wash will not attack composite components or assist corrosion. With several cleaning agents, real Carnauba Wax U.V. protection additives this IS the right stuff. 64 ounce with pump top.

P/N 13-05254.....

COMPOSICLEAN SUPER SPRAY-WAX

Super Spray-Wax is neutral pH and SAFE on all aircraft. Will not attack composite components or assist corrosion. With real Carnauba wax and other cleaning and conditioning additives, this product is sure to satisfy. Provides a great shine and superior protection. Try it with one of our MicroFiber cloths. 1 Quart with commercial quality trigger sprayer.

P/N 13-05255.....



COMPOSICLEAN MULTI-PURPOSE CLEANER

This multi-purpose ALKALINE cleaner is very effective at breaking down grease, oils, carbon other stains. Use with brush or rag to agitate for tougher Stains soils. 1 quart with commercial quality trigger sprayer. This is not a neutral pH product.

P/N 13-05256.....



COMPOSICLEAN HAZE GLAZE

A neutral pH mild abrasive cleaner polish in one. Removes oxidation haze, surface-stains, swirl marks and paint overspray. Haze Glaze also removes minor acid rain contamination, light scratches increases gloss on base coat clear coat finishes. A great one-step or first step product in the detailing process. Use Composiclean Haze Glaze by hand or with orbital/random style buffers. Use Composiclean Haze Glaze on clean dry surface. Apply Haze Glaze to buffing cloth/pad or directly to surface. Rub or buff in circular motion then flip cloth or change to dry pad for finish buff. 1 quart with flip-top.

P/N 09-02065.....



COMPOSICLEAN VIEW POLISH

Composiclean View Polish will probably be the best glass cleaner you will ever use, try it around the house too. Use View-Polish on windscreens, side windows, plastics, Lexan, acrylic and glass. You will see No streaking. View-Polish is guaranteed to leave no film. Non-caustic-non-flammable, Non-ammonia formula dries fast and contain no CFC's that deplete the ozone layer. View-Polish is also a great bug remover for the leaning edges, wheel pants, car grills etc. Spray product onto area to be cleaned (the thick foam helps it hang there), wait 2 to 3 minutes then wipe clean. Give View-Polish a try with our MicroFiber cloths, you'll love it. Offered in big 19oz aerosol can.

P/N 13-05257.....



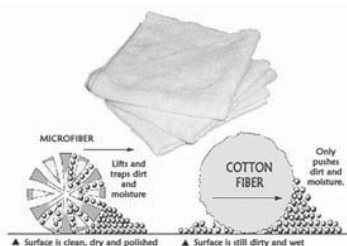
COMPOSICLEAN LEATHER CLEANER & CONDITIONER

A rich conditioning cream that cleans leather as it brings back softness. Leaves leather looking natural with no greasy residue. 1 quart with flip top. 32oz.

P/N 13-05258.....



COMPOSICLEAN MICRO-FIBER CLOTH

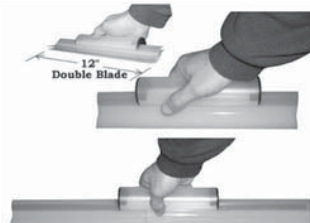


MicroFiber is a man-made product that consists of two fibers, Polyester and Polyimide. The Polyester is the scrubbing and cleaning fiber, while the Polyimide is the absorbing and quick drying fiber. Each square inch in a MicroFiber towel contains approximately 90,000 MicroFibers. MicroFiber is a lint free, non-abrasive, and hypoallergenic products.

Unlike ordinary cotton towels that move, or push, the dirt and dust from one point to another, MicroFiber actually gets underneath the dirt and lifts it from the surface. It then stores the dirt particles in the towel until it is washed. MicroFiber is very absorbent and can hold up to seven times its weight in moisture providing streak-free cleaning. MicroFiber cloths are safe on all surfaces.

Keep MicroFiber cloths clean and separate from cotton towels. To ensure the effectiveness of your MicroFiber Towels only wash with other MicroFiber Towels. If MicroFiber is washed with cotton it will grab onto the cotton fibers and hold on to them. Washing by hand with mild hand soap is the best way to maintain this high quality cloth. MicroFiber cloths along with Composiclean Super Spray-Wax will provide a great streak free deep shine even in direct sun. When buffing off Super Spray-Wax, it is best to NOT let cloth get to saturated, dryer is better. Try a MicroFiber cloth with Composiclean View Polish for streak-free window cleaning.

P/N 13-05259.....



COMPOSICLEAN SUPER SQUEEGEE

Super Squeegee is perhaps the most versatile squeegee you'll ever own. It works great and is extendable from 12 to 22. It is designed to be used in a back n forth motion saving time and effort. It's perfect for use on the irregular and curved

surfaces of an airplane.

P/N 13-06323.....

COMPOSICLEAN WASH MOP



Soft chenille mop has 180 Swivel Head, handle extends up to 45. Includes 1 replacement head cover.

P/N 13-05261.....



COMPOSICLEAN SOLAR SCREEN

This is a Composiclean Solar-Screen statically attached to the inside of a window looking right into the sun. Comes in 6 x 9 and 9 x 12. Great for airplanes, cars, boats, RV's and can be cut to fit inside motorcycle ski helmets too.

6X9..... P/N 13-05263.....

9X12..... P/N 13-05262.....

COMPOSICLEAN PROPER CARE KIT



- 1 - 64oz Composiclean Bucket-Wash with pump top
- 1 - 32oz Composiclean Super Spray-Wax with trigger sprayer
- 3 - Plush 14 x 14 Micro-Fiber cloths
- 1 - Super-Soft Chenille wash mitt
- 1 - 11 Composiclean Super Squeegee

P/N 13-05264.....

CS

CLEANERS - DEGREASERS - ADHESIVES



VPCI™-415 HEAVY DUTY ANTI-CORROSIVE CLEANER & DEGREASER

Cortec Corporation's VpCI -415 Conforms to Stringent Boeing Specifications. Cortec Corporation proudly announces the recent conformance of VpCI -415 to Boeing's commercial specifications (D6-17487 Revision P). VpCI -415 is a highly concentrated, non-toxic, heavy-duty, biodegradable cleaner/degreaser, which provides up to six months protection against corrosion. It is a waterbased alkaline cleaner and degreaser offering unique flash corrosion protection. It can provide corrosion protection for up to 6 months during indoor storage, and is formulated to meet the requirements for cleaning and corrosion protection of aircraft. The compounds contained in VpCI -415 function by altering hydrocarbons so that the deposits can be removed with water. It can be metered into power washers, steam cleaners, dip tanks and other cleaning equipment. Along with good detergent properties, it is hard water stable. VpCI -415 offers improved cleaning plus multimetal corrosion protection action in one step, resulting in significant savings. VpCI -415 has the unique ability to remove such deposits as heavy hydrocarbons, grease, drawing, buffing machinery compounds. This concentrated alkaline cleaner degreaser is not only an excellent cleaner, but also leaves behind VpCI (Vapor Phase Corrosion Inhibitors) designed to protect aluminum from corrosion. This product is currently used by the Coast Guard for cleaning aircraft stationed in salt spray environments. Use at 10-25% in wash water solution.

Tested:

- | | | |
|------------------------|-----------------|------------------|
| •MIL-PRF-87937D | •ASTM D 2240 | •ASTM F 483-90 |
| •ASTM F 484-93 | •ASTM F 485-98 | •ASTM F 502-93 F |
| •ASTM F 519-93 Type 1C | •ASTM F 1104-87 | •ASTM F 1110-90 |
| •ASTM F 1111-88 | | |

Features: •Biodegradable, • Heavy-duty chemical cleaner and degreaser with, • unique cleaning action for removing hydrocarbon deposits, • Provides temporary multimetal corrosion protection, • Provides exceptional resistance to pitting corrosion, • Non-toxic, non-corrosive and does not contain nonylphenoethoxylates, • Provides excellent cleaning action at low temperatures, • Mild foaming, • Exhibits hard water tolerance, • Formulation remains stable during freeze-thaw cycle

P/N 09-01999

Case of 4 P/N 09-02113

STRIKE HOLD II CLEANER/PENETRANT/LUBRICANT



Strike Hold is a potent anti-corrosive and has a dielectric strength of 38,000 volts so it can also be used on electrical contacts and connections. Its capillary action will quickly encapsulate metals by flowing against gravity and under overlapping sheets of metal. It is a highly penetrating and mobile liquid with CFC's and is non-flammable by flame projection test as opposed to other fluids containing butane or propane propellants. It completely seals out water with a shield film.

The carrier agent evaporates (unlike ACF 50) and does not leave a dust collecting film to re-contaminate a surface. The

flash point is in excess of 450 F and the freezing point is -85 F. This product is heavier than water and does not damage polymers, rubber or plastics.

P/N 09-00890



STRIKE-HOLD® BRAND MICROFIBER CLOTH

These high quality 16 x16 Microfiber Cloths are machine washable and won't scratch, mar or streak surfaces. Features: • lint-free • non-abrasive • machine washable • eco-friendly "Green" • inexpensive and long-lasting

P/N 09-02043



V & S AIRCRAFT CLEANERS & ADHESIVES

V&S #581 FOAM & FABRIC SPRAY ADHESIVE - V S 581 Foam Fabric Spray Adhesive is specially formulated for bonding flexible urethane or latex foams to themselves or most other material (wood, metal, paper, corrugated, fabrics, etc.) Produces bonds with foam-tearing strength.

P/N 09-42650

SUPER TRIM ADHESIVE #1081 - A high temp high strength contact type adhesive. Bonds metal, foam, decorative laminates, fabrics, headliners. Variable width spray pattern. Meets Fed. Spec. MMM-A-130B.

P/N 09-42652



V & S DRY SILICONE SPRAY - Exceptionally high quality dry silicone lubricant that stops adhesion of urethane foam backings, foam rubber and other non-sliding materials to metal, wood or rubber. Non-staining, will not harm painted surfaces.

P/N 09-42654

CITRUS CLEANER #609 - Can be used safely on many surfaces to remove adhesives, grease, inks, and residue from various tapes. Environmentally safe, biodegradable and pleasantly scented.

P/N 09-42656



AERO-600 AVIONICS CLEANER

The secret formula used in the film and photography industry, is now available for the aviation community. Eliminate fingerprints, streaks, dust, dirt, oils, from your avionics, glass cockpit screens, electronic flight bags, GPS screens, Laptop, and plasma screens. Aero 600 tested for well over three years by professionals in the aviation industry with outstanding results. It's designed to have industrial strength; be powerful, yet mild and gentle to your screens.

We keep a bottle in the side pocket of our corporate aircraft and have been using it exclusively to clean our instruments, laptop screens and even our eyeglasses. It never streaks and helps keep the dust at a minimum. Nina Anderson, Hawker pilot. Aero 600 is also safe for use on Laptop TFT LCD screens, LCD, Plasma Projection TVs (LCD and Projection screens have a soft membrane in place of glass which can easily be degraded by harsh chemicals. Plasma screens have a thin delicate protective coating which also can be damaged.

P/N 09-02040



STEWART SYSTEMS PROPOLISH

Stewart Systems ProPolish is the perfect metal polish to use in conjunction with Stewart Systems EverShield. ProPolish holds it's shine longer than most other polishes and is very easy to use. Wipe on, wipe gently until polish is black, and wipe off. Repeat until you achieve the desired shine. Use SS ProPolish on bare metal or chromed surfaces, and then apply EverShield to make the shine permanent. SS ProPolish is available in green for cleaning and white for finishing.

Green 8 oz. P/N 09-02054
White 8 oz. P/N 09-02055
Green 16 oz. P/N 09-02056
White 16 oz. P/N 09-02057



TOWELS — CLEANERS

MICROFIBER CLEANING TOWELS



These non-abrasive, super absorbent cleaning towels are excellent for cleaning plexiglass, rotors, props, and fronts of aircraft to remove bugs and dirt without fear of scratching. Microfiber needs only water to work due to its unique construction. Used extensively on aircraft, boats, RVs, and motorcycles. Available in Terry style (16 X16, blue) and in Chamois style (16 X 24, gold).

Terry styleP/N 09-00272 ea
Chamois styleP/N 09-00273 ea



KIMTEX SHOP TOWELS

The heavy-duty oil and solvent disposable wiper to replace cloth. Excellent for machine shop use.

#33560 P/N 09-30600 ea.

MICROFIBER CLEANING CLOTH



The Mystic Maid Microfiber Cleaning Cloth will clean all hard surfaces to a streak-free brilliance without chemicals. No cleaning agents, soap, or detergent is needed; just the cloth and water. Simply wet the cloth, wipe the surface, and the cloth leaves a brilliant surface that air-dries in seconds. Machine washable and reusable for countless

applications. Removes grease, dirt, and dust. Excellent for cleaning the aircraft windscreen and on leading edges for bug removal.

13 x 20 clothP/N 09-00191 ea

AERO WIPEASE



AERO WIPEASE SILVER-CHROME-COPPER WIPES

- A new convenient and easy way to clean and shine all the Chrome, Silver, Copper, Steel and metal surfaces on your aircraft. With brightener and corrosion inhibitor, anti-static and lint free, provides excellent polishing and restoring. Keeping your aircraft looking like new. Moisture Lock Lid. 35 Wipes. P/N 09-01237

AERO WIPEASE CABIN & INTERIOR WIPES - A new convenient and easy way to clean and shine your aircraft or boat cabin and interior. Anti-static and lint free with UV protection to use on Plastic, Glass, Vinyl, Trim, Dash, Laminated Wood and Leather. Keeping your aircraft or boat looking like new also works well on your automobile. Moisture Lock Lid. 35 Wipes. P/N 09-01238

AERO WIPEASE GLASS COCKPIT & AVIONICS WIPES - A new convenient and easy way to clean your glass cockpit and avionics. Removes finger prints, smudge, dust and dirt. Anti-Static and lint free, safe to use on all Radar, LCD display, GPS, Touch Screen, Laptop and Multi Function display. Perfect size to fit in your flight bag. Moisture Lock Lid. 35 Wipes. P/N 09-01239

SONTARA AIRCRAFT WIPES



Tough Dupont Sontara AC aircraft wipes are the smart choice for both aircraft manufacturing and maintenance. Their strength and durability make them ideal for a wide variety of general purpose pre-paint applications. Sontara AC wipes leave surfaces clean because they're

extremely low-linting. Tackles tough cleaning agents without falling apart. every Sontara AC is clean right out of the box. No chemical residues or stains. Sontara is specially engineered to resist snagging on metal parts and corners. Superior to paper wipes which snag tear. Outperforms cheesecloth which leaves strings behind when it snags on a rivet. Sontara AC is great for wiping surfaces dry because it contains no additives that hamper absorbency.

9 x 16 Wipes (Box of 100)P/N 09-00369
12 x 16 Wipes (Box of 125)P/N 09-00368



NEVR-DULL WADDING POLISH

Cleans and polishes all metals including: Silver, gold, brass, copper, pewter, glass, steel, aluminum chromium. Nevr-Dull removes rust and tar from automobile and motorcycle chrome. Excellent for Mag chrome wheels, boat fittings, workshop tools, fishing gear, sinks, showers and campers.

5 oz.P/N 1035605



NEVR-DULL POLISH

Cleans and polishes all metal including: silver, gold, brass, copper, pewter, glass, steel, aluminum and chromium. Removes rust and corrosion instantly. NEVR-DULL removes rust and tar from automobile and motorcycle chrome. Leaves no deposits in the crevices of metal work. Excellent for: Mag and chrome wheels, boat fittings, workshop tools, fishing gear, sinks, showers and campers.

P/N 09-24350



TIRE CLEANER

Dissolves grease, oil and road grime. Unique optical brighteners whiten white walls and leave tires with even, natural, black luster. No harmful bleaching agent.

18 oz.P/N 1060618

WAX AS-U-DRY

After washing your aircraft leave it wet, then spray Wax-As-U-DRY on the surface. After the water sheets away, you dry the surface with a chamois towel. The result is high gloss shine without spending the afternoon buffing. A one step spray wax is a blend of water reactive polymers and waxes that are safe for all painted surfaces, windows, trim wheels.

P/N 09-00370



MEGUIAR'S GOLD CLASS ALL PURPOSE CLEANING WIPES

Meguiar's combines its strongest cleaning and degreasing formulas in a disposable wipe. Designed for multi-surface use including vinyl, metal, rubber, chrome, plastics fabrics, Meguiar's Gold Class wipes are environmentally safe, non-abrasive and non-toxic. Packaged 25 to a container, the 7 x 9 wipes store easily in gloveboxes, trunks or bulkheads. They are powerful enough to clean road grime from wheels and engines, or salt spray from fiberglass hulls, yet safe on hands.

P/N 09-01651

PROTECT ALL POLISH



Protect-All makes everything look better - cleans and polishes in one easy step. Works on vinyl, rubber, plastics, painted surfaces, fiberglass and chrome. Use Protect-All on the entire aircraft, inside and out, including windshields.

6oz. spray can.09-00556
13.5oz. spray09-24900
16 oz. Trigger09-00597
1/2 Gallon Jug.09-00599
32 oz. trigger09-00598
1 Gallon. Jug.09-00601

PROTECT ALL QUICK & EASY WASH



A non-abrasive, anti-static, water repellent wash that replaces soapy detergent products and eliminates rinsing when washing aircraft and other surfaces. No hose is needed. Quick Easy Wash conserves water. Removes oxidation, stains and heavy grime with a strong cleaner or polishing compound before using Quick Easy Wash for the first time. From then on use 1/2 oz. (1 capful) in a bucket with 2 qts of water for an average size plane. Use 1 oz per gal. for larger aircraft Wash a section at a time then just chamois, towel or squeegee dry This is especially important where water use is restricted. Because you don't need to rinse, you can wash in your hangar and airplane tie-downs.

PintP/N 09-24910
QuartP/N 09-24920
GallonP/N 09-24930

PROTECT ALL FIBERGLASS OXIDATION REMOVER & COLOR RESTORER



1-Step Application: Cleans, Polishes, Seals Removes: Oxidation, Wax build-up, Stains, Surface scratches, Hard water spots For: Fiberglass, Gelcoat, Enamel, Polyurethane painted surfaces. 32oz. PN 09-01659



PROTECT ALL BLACK STREAK CLEANER & DEGREASER

Use on 100 s of surfaces indoors and outdoors. Removes: Black streaks, grease and oil, stains, bugs, mildew, soap scum and more Extra heavy-duty and super concentrated, it not only removes the heaviest black streaks quickly and easily, but may be diluted for 100 s of uses indoors and outdoors. Use full strength for big jobs and dilute to make gallons of multi-purpose cleaner. Biodegradable

PN 09-01660

CS

CLEANERS – POLISHES

PPC AIRCRAFT CLEANERS

PERFECT DETAIL™ SURFACE ENHANCER



Perfect Detail™ is the nation's leading choice for producing wet look shine. A light mist instantly produces maximum depth of gloss and flawless glassy brilliance on clear coat, black, and all other paint finishes. It works especially well on all other non-porous surfaces (such as chrome, glass, etc.) while lightly cleaning and accenting soft surfaces such as vinyl, rubber, and leather. For engine detailing Perfect Detail™ can't be beat. Perfect Detail™ is anti-static and slippery, enabling it to resist dust, dirt, and abrasion better than any product.

18 oz. P/N 09-00165
1 Gallon P/N 09-00166

BELLY WASH™ DEGREASER



Water-based Belly Wash™ is highly concentrated for versatility and cost-effectiveness in any aircraft surface maintenance situation. It can be applied in any manner spray, brush, wipe, power washer, etc. and can be diluted with water by as much as 80:1 for routine cleaning in commercial application. Stubborn stains are dissolved almost on contact using full strength Belly Wash™,

making it perfect for keeping troublesome aircraft bellies and wheel well areas in like-new condition. When used to remove concealing grime and petroleum-based residues from the aircraft engine area, Belly Wash™ makes it possible to perform a more thorough inspection when checking for potential maintenance problems.

18 oz. P/N 09-00168
1 Gallon P/N 09-00169

WING CLEAN™ LEADING EDGE CLEANER



One major performance factor the aircraft owner/operator can improve upon is complete removal of all parasitic drag resulting from impacted air debris on the leading edges. Wing Clean™ is specifically formulated to both safely and effectively dissolve the problem. Wing Clean™ water-based non-solvent spray-soak-rinse application dramatically improves an aircraft's flight-ready condition. Routine use of Wing Clean™, in series with PPC's Perfect Detail™ and/or Prestige Protective Polish, produces a microcellular separation barrier on leading edge surfaces, making future bug removal a progressively easier task.

18 oz. P/N 09-00170
1 Gallon P/N 09-00171

CRUD REMOVER™



Crud Remover made with water is an environmentally safe replacement for heavy-duty petroleum cleaning solvents. Its extremely powerful degreasing and defatting abilities enable it to dissolve diesel fuel, soot, and oily deposits on contact, grease and heavy grime in seconds, and virtually any stain from any surface including cloth in a matter of seconds. It also loosens bolts. It can be applied in any manner spray, brush, wipe, or soak and simply rinses off with water.

18 oz. P/N 09-00172
1 Gallon P/N 09-00173

AERO GLAZE DRY WASH & POLISH



Aero Glaze is a high-grade protector and restorer. Removes oxidation, fuel stains, soil, insects and exhaust deposits. Aero Glaze retards corrosion, resists stains and prevents paint deterioration.

1 Gallon P/N 13-00030

KLEEN JET CLEANER & DEGREASER



Kleen Jet is a biodegradable aircraft industry cleaner and degreaser. It is a water-soluble, non-flammable, non-toxic concentrate that leaves no oily film or residual gumminess. Removes carbon, oil, grease, insects and inhibits corrosion and rust.

1 Gallon P/N 13-00029

BIG ORANGE PLUS



A citrus scented degreaser and cleaner designed for the aircraft industry. This surface degreaser is non-irritating but will remove heavy encrustations. Big Orange Plus combines solvent power with an emulsifier system that removes SKYDROL, hydraulic fluids, fuel stains, exhaust soot.

1 Gallon P/N 13-00031

FLEET WASH



Fleet Wash aircraft wash and wax is an effective cleaner that leaves a wax-like surface on the washed aircraft. Contains a high percentage of W-300. Fleet Wash leaves a high luster, water-repellent surface which helps to repel dust.

1 Gallon P/N 13-00032

FORMULA 2™ CLEANER/PROTECTANT



Formula 2™ Cleaner/Protectant is a chemically unique multipurpose liquid which thoroughly cleans, beautifies, and protects all leather, rubber, vinyl, and finished wood products in one easy step with no greasy film. Due to its unique chemistry, Formula 2™ can also be used on painted and plastic surfaces. When applied sparingly to such surfaces it dries to a slick smooth, invisible coating resistant to mud, fingerprints, food splatters, soap scum, water spotting, etc. On leather, rubber, and vinyl Formula 2™ first dissolves away imbedded grime, then penetrates and softens the material to give it new life and flexibility, at the same time providing a lustrous, weather-resistant finish to prevent future deterioration.

20 oz. P/N 09-00174

EASY™ ALUMINUM POLISH



Easy™ Aluminum Polish is a unique liquid formula that produces a mirror-like shine in seconds on smooth aluminum, magnesium, stainless, brass, nickel, etc. Its ability to melt oxidation and simultaneously bring up the metal's true brilliance can't be matched by any other polish. The application of Easy™ allows its exclusive acrylic polymer barrier to lock onto the metal's polished surface to resist staining, tarnish, and weathering effects indefinitely. The fine mirror finish can easily be maintained with a quick touch up application of product as desired.

8 oz. P/N 09-00177

REAL™ WHEEL CLEANER



Real™ Wheel cleaner is the first detergent-based single product able to clean brake dust and corrosion from any type wheel in seconds. It works on contact to remove corrosion from older unfinished or neglected metals (aluminum, copper, brass, bronze, zinc) and is great for antique restoration. Real™ Wheel Cleaner's exclusive detergent action saves both time and money when detailing any vehicle.

18 oz. P/N 09-00178

NATURALLY NEW™ TIRE DRESSING



Naturally New™ Tire Dressing utilizes PPC's advanced water-based polymer technology to produce an effective, cost-efficient dressing that actually protects rather than destroys the integrity of the sidewall. Naturally New™ exactly describes the lustrous sheen imparted on contact with this instant action formula. The dry, semi-permanent barrier is both water repellent and resistant to dust, dirt etc. Naturally New™ Tire Dressing adds maximum beauty while conditioning to keep that new tire look during the treadlife of the tires.

18 oz. P/N 09-00179

PREMIUM LEATHER CARE PRODUCTS



Perrone's Leather Cleaner and Conditioner is a premium blend of gentle cleansers and light conditioners formulated to clean and rejuvenate finished leather, vinyl and plastic surfaces. Removes dirt, dust, and oils without drying or damaging the surface. Helps protect leather from weathering and fading. Leaves leather surfaces soft, supple and smelling like new again. The wipes are treated with the same leather cleaner/conditioner as in the spray bottle. This quick, convenient and cost effective method of reducing ink stains, dirt, grease, and body oils from penetrating leather surfaces will add to the longevity and appearance of your aviation leather interior without any adverse effects on flammability.

32 oz. with trigger sprayer P/N 09-00557
1 Gallon refill P/N 09-02062
Sontara Wipes (45 sheets) P/N 09-00559

SUNBLOCK FOR LEATHER KIT



SunBlock's newest product features cleaning and protection for leather that prevents stains and cracking. The SunBlock Cleaning System for leather interiors keeps your leather soft and supple by maintaining the moisture in the leather and preventing the destructive effects of everyday use while preserving the leather topcoat. Regular use of SunBlock Leather Cleaner and SunBlock Protection Cream will maintain the original look and feel of the leather without affecting the leather's breathability. This kit is safe for all leather except Suede or Nubuck.

Contains:
1- 5oz. Bottle of SunBlock Leather Soft Cleaner
1- 5oz. Bottle of SunBlock Leather Protection Cream
1- Soft Cloth
1- Sponge

P/N 06-01048

POLISHES – WAXES – CLEANERS

JET STREAM AVIATION PRODUCTS

POWERFOAM SPRAY & WIPE FOAM CLEANER



An exterior and interior spray and wipe cleaner. On aircraft exteriors, Powerfoam will effectively clean carbon exhaust, engine cowlings, oil and bugs. Excellent for use between wash jobs as a trip ready wipe and cleaner. On aircraft interiors, Powerfoam will completely clean smudge marks, nicotine stains, fingerprints and food stains. Can also be used on leatherette, sinks, table tops, woodwork, stainless steel, lavs, painted or similar surfaces.

19 oz. CanP/N 09-37970

SUPREME GLAZE AIRCRAFT FINISH TREATMENT



Supreme Glaze is a semi-flowing paste cleaner wax that cleans, shines, resurfaces, all aircraft painted surfaces while bringing out the brilliance of the original color. Supreme Glaze safely removes light to medium oxidation and scratches. Excellent for use on carbon exhaust stains associated with aircrafts such as King Airs. Supreme Glaze contains color brighteners and will protect against oxidation, salts, UV rays, hydraulic fluid, insect residue and acid rain. Can be used by hand or machine polisher.

16 oz. BottleP/N 09-37980

FLYERS SPEED-WAX WATERLESS DRY-WASH



SpeedWax is a specially formulated waterless aircraft polish and high gloss protectant Dry-Wash. This product is Carnauba Rich is easy-on, easy-off. With Flyers there is no need to pre-clean any surfaces before using. Due to EPA regulations, cleaning aircraft with soap and water is becoming more and more regulated. Flyers SpeedWax is the answer to the ever increasing EPA regulations. This product will allow you to clean your aircraft in a reasonable amount of time, leaving the surface of your aircraft highly protected.

16 oz. bottleP/N 09-42015

JET STREAM METAL POLISH



SKAI METAL POLISH - Skai Metal Polish is designed to polish and restore aluminum or stainless steel to a mirror image. Used for polishing aircraft leading edges, spinners, engine inlets, thrust reversers and bare aluminum skins. Also safe for use on aircraft paint for removing heavy oxidation and stains.

Skai Metal Polish is also very economical. A one pound container will normally equal several pounds of our competitor's products. Skai makes very little mess when you are polishing and will not sling over the aircraft if used properly. Skai is non-abrasive, fast cutting and quick to clear under a buffer. Surfaces treated with Skai are protected and resistant to oxidations. **MIRROR IMAGE** - Mirror Image Brightwork Swirl Remover is designed to remove swirls in polished metal caused by machine buffing. Mirror Image can also be used as a light maintenance polish between machine polishing jobs. Contains corrosion inhibitors and anti-oxidation agents for long lasting protection on all polished metal. Mirror Image will produce 100% protection while sealing the polished metal.

1 Lb. can. PolishP/N 09-41713

Mirror Image 5 oz. roll Swirl RemoverP/N 09-41715

AIRCRAFT SQUEEGEE



Neoprene Aircraft Squeegee has been improved by adding locking threads for pole attachment and is now constructed from white plastic instead of metal. Will remove water

from un-even aircraft surfaces safely and smoothly. You will save time and dozens of wet towels while completely drying any size aircraft in just minutes.

P/N 09-42025

BUFFING / POLISHING PADS



Buffing Pads are made from 100% wool with a 1-1/2 inch pile. These pads can be used for all of your brightwork and paint polishing needs and will cut through oxidation quickly and wear evenly for extremely smooth polishing. Our buffing pads can also be washed and re-used multiple times for long lasting life. They do not have velcro backing and are designed to be used with a threaded nut and backing plate.

P/N 09-42035

BUFFING PADS SPUR / CLEANER



Absolutely a must tool when buffing. The Buffing Pad Spur Cleaner is used to break down compound build-up without removing the pad from the machine polisher. When buffing, your pads fill up with polishing compounds not allowing to perform properly. The Buffing Pad Spur Cleaner will quickly and efficiently remove this build-up, restoring the pad to its full potential.

P/N 09-42045

FLITZ FIBERGLASS / PAINT RESTORER



Flitz Fiberglass/Paint restorer safely cleans, polishes, and protects fiberglass, plexiglas, painted surfaces, and plastics. It removes rust, oxidation, tarnish, and tar. It will not harm gel coat or clear coat, anodized or polished aluminum, stainless steel, brass, copper, chrome, and more. Contains no ammonia or abrasive.

8.5 fl. oz.P/N 09-01240

FLITZ SPEED WAXX

This wax is perfect for waxing between flights. This remarkable spray on/wipe off wax is water based. No streak. No Smear. No white residue. Gives a super gloss, super fast. 16oz. trigger spray.

09-01678



FLITZ LIQUID WAXX



This natural wax protectant contains 40% Carnauba wax to enhance and protect all surfaces against the elements. Excellent for use on the Imron and Clear Coat aircraft paint finishes, especially to protect against heat discoloration.

Size: 8.5 oz.P/N 09-42416

FLITZ ALUMINUM & FIBERGLASS POLISH



PN 09-42405



PN 09-01678



PN 09-42415

Flitz is a non-abrasive metal polish which can be used on all metal surfaces including polished aluminum, painted surfaces, and fiberglass. It is easy to apply and remove, and leaves a protective film to protect shiny surfaces up to 4 months. A very popular multi-purpose polish.

1.76 oz. TubeP/N 09-42405

5.29 oz. TubeP/N 09-01678

2.2 Lb. CanP/N 09-42415

FLITZ POLISHING AND BUFFING BALL



The Flitz 8 Polishing Buffing Ball is made of a viscos material which is a cooling material vs. lambs wool or cotton which is a heating material. This way it doesn't burn the paint and can be used to buff leading edges without having to tape them. This ball works wonders with Flitz Products and makes polishing much easier, faster and more effective in less than half the time. It fits all drills and air tools and will buff out scuffs, oxidation tarnish, pitting, corrosion on all metals, paints, fiberglass, plastics, and wood. Re-usable washable.

P/N 09-00554

FLITZ MICROFIBER CLOTH



The Flitz microfiber cloths are 30 times finer than cotton and are great for buffing out waxes and polishes by hand. They will wash windows without chemicals (just use water) and will not streak or leave lint. Size: 16 x16 .

P/N 09-00556

KOZAK SUPER DRY WASH



Use on metal, painted, or buffed aircraft surfaces to clean and maintain a beautiful shine. Good on spinners and prop blades too. Made from specially woven cotton fibers with a unique cleaning formula that lifts loose dirt and dust up and away from the surface. Use every time you fly to maintain a shine all year round. Reusable more than 50 times.

P/N 09-00345

SUPER SHINE SPRAY CLEANER & PROTECTOR



Super Shine is a no-run, all purpose spray cleaner and protector. Just spray on Super Shine and let its foaming action lift off dirt and grease from all washable surfaces. Surfaces stay cleaner longer, while fogging and static build-up is eliminated. Ideal for use on plastic windows. Plexiglas, windshields, vinyl, leather, glass, tires and trim, chrome, fiberglass, acrylics, veneers, and painted surfaces. Non-toxic and meets California Clean Air Act. Widely used in aviation, racing/automotive, motorcycle, marine industries.

15 oz. Spray CanP/N 09-42580

CS

POLISHES – CLEANERS - POLISHERS

CYCLO ORBITAL POLISHERS FOR AIRCRAFT

Genuine Cyclo Polishers: a fifty-year heritage of quality.



Precision machined and hand assembled for a lifetime of trouble-free operation, the Cyclo Polisher's dual heads orbit in a random, overlapping motion that mimics fine hand polishing. Leaves a dazzling, swirl-free shine every time.

The Cyclo Dual Head Orbital Polisher is the most effective means of polishing available today. Even in the hands of a novice, it is safe to operate and provides professional results every time. The difference lies in the tool's overall balance and its patented dual heads. The dual heads operate in a synchronized motion, providing the most effective results without fear of heat buildup: damage to trim pieces, moldings and gaskets; swirl marks, holograms and more. The low-vibration and balanced design allow for a more even application and better control when operating.

Electric Polishers

MODEL #5 - * Power Supply: 115 Volts, 60 Hertz, 220 Watts * Motor: alternating current, semi-enclosed 24-bar commutator, * Speed: 3000 orbits/minute, * Output: 1/3 H.P. (.25 Kw) * Weight: 6.5 lb. (2.9 kg) * Head Rotation/Diameter: clockwise 1/4 * Electric Cord: 10' length, 16 ga/3SJTOW * Housing: heavy-duty cast aluminum * Polisher Only.

P/N 09-35715

CYCLO POLISHER BONNETS

THE ORIGINAL CYCLO CUTTING WOOL - • Metal Polish/Cleaner • Paint Deox • Paint Compound • Paint Swirl Removal.

With Velcro P/N 09-35727

Without Velcro P/N 09-35700

WHITE FINISHING PADS - • Extreme Shine • Final Wax Buff • Wax Application • Sealant • Metal Sealant

With Velcro P/N 09-35735

Without Velcro P/N 09-35736

GREEN POLISHING PADS - • Sealant • Paint Polish • Paint Cleaner • Metal Sealant

With Velcro P/N 09-35732

Without Velcro P/N 09-35711

Note Polishing Pads with Velcro require the RUBBER PAD

HOLDERS P/N 09-35730 listed with the Cyclo accessories

COTTON TERRY PAD COVER - • Final Wax Buff • Upholstery A 100% cotton terry cover. Perfect for cleaning interior surfaces and for buffing, polishing, and drying exterior surfaces.

P/N 09-35755

FASTCUT™ 600 GRIT DISC - • Tile and Grout • Ice Hockey Rink Walls • Rust Removal - This coarse nylon pad is strong, durable, and specifically designed for rough surface areas.

P/N 09-35737

CYCLO BRUSHES

GRAY ULTRA SOFT UPHOLSTERY BRUSH - • Upholstery • Fine Carpets • Fine Interiors P/N 09-00689

AQUA SOFT CARPET BRUSH - • Fine Carpets • Durable Carpets • Auto RV Carpets Upholstery P/N 09-00690

WHITE STANDARD CARPET BRUSH - • Auto & RV Carpets & Interiors • Tile & Grout • Durable Carpets P/N 09-35742

BLACK STIFF SCRUB BRUSH - • Tile & Grout • Truck Bed Liners. P/N 09-35740

CYCLO POLISHER ACCESSORIES

Rubber Pad Holders..... P/N 09-35730

Flat Wrench..... P/N 09-35745

HYDRASOLVE

Hydrasolve is a thickened, heavy duty, water soluble gel degreaser formulated for efficiency and performance in a broad range of cleaning and degreasing applications. It will easily and safely remove carbon exhaust, exhaust tracks, hydraulic fluid, thrust reversers, soot areas, oil bugs. Hydrasolve is a gel product that clings to the surface being cleaned and has the ability to rinse spot free. It will not smear, but lift and suspend soils, making rinsing easy complete. Meets Boeing McDonnell Douglas approvals.

1 gal. P/N 09-00528

5 gal. pail P/N 09-00529

CYCLO CLEANER-DEOXIDIZER

CTI Cleaner - Deoxidizer is great for removing hairline scratches and light to medium oxidation. Its mild abrasion creates a clean, smooth surface. Does not contain any shine components. Follow with polish or wax.

1GAL..... P/N 09-00413

16OZ..... P/N 09-00414

CYCLO CTI 1 PASS EXPRESS™ CLEANER - POLISH – SEALANT

CTI 1 Pass Express removes light scratches and environmental contaminants in one operation. Restores showroom color and brilliance, and protects finishes with a brilliant weather resistant silicone film. Excellent on any paint surface, including clear coats.

1GAL..... P/N 09-00416

16OZ..... P/N 09-00417

CYCLO POLISH & PROTECTIVE SEALANT

CTI Polish Protective Sealant is a high poly sealant that will give your surface 12-18 months of durable protection and brilliant gloss. Restores your paint to its original new car shine. Great for use on all painted surfaces.

1GAL..... P/N 09-00418

16OZ..... P/N 09-00419

CYCLO FREE FLITE™ PROTECTIVE SEALANT

CTI Free Flite Protective Sealant is a mild deoxidizing agent specially formulated to bond to bare metal. It removes those fine polishing swirl marks seen only in direct sunlight and leaves a protective coating that prevents further oxidation. For use on metal only.

1GAL..... P/N 09-00423

16 OZ..... P/N 09-00422

CYCLO FREE FLITE™ CLEANER – POLISH

CTI Free Flite Cleaner - Polish is an aggressive rubbing compound for badly oxidized aluminum. It removes corrosion, oxidation, and surface film, leaving a hard polished finish. Popular with airlines for decades. For use on metal only.

1QT..... P/N 09-00424

5GAL..... P/N 09-00425

FAST WING PAINT SEALANT

T-500 Paint Sealant with PTFE-M is more than a wax or polish. T-500 provides a tough, long-lasting, mirror-like finish that protects paint longer. Works great on aircraft, cars and boats. Fast Wing will increase performance by reducing parasitic drag. The performance of the aircraft actually increased due to the slick surface the Teflon Sealant left on the paint. 100% Satisfaction Guaranteed. 16 oz. (1 pint) P/N 09-00186

FAST WING VINYL & LEATHER CLEANER

Fast Wing T-600 vinyl Leather Protector wipes dry leaving that lustrous new look finish. It creates a anti-static surface that helps repel dust and dirt, without leaving an oily residue. Fast Wing T-600 leaves a non-glare finish that is especially important to pilots and race car drivers.

16 oz. (pint)..... P/N 09-00188

FAST WING CLEANER

Originally designed to remove over spray, Fast Wing T-11 cleans and restores the paint to the original luster without the use of harsh abrasives found in most rubbing compounds. Rubbing compounds almost always use some sort of abrasive material, such as volcanic ash, which can leave microscopic scratches. Abrasives may actually accelerate the oxidation process. 16 oz. (pint) P/N 09-00187

SAFETY WASH

Safety Wash is a mild neutral PH water based exterior wash wax concentrate designed to be gentle on your aircraft. It provides detergency and built-in easy rinse characteristics that will enhance gloss and eliminate the risk of streaking. Formulated for general routing washing of aircraft. Meets Boeing McDonnell Douglas approvals. Safety Wash is NOT designed to clean heavily soiled areas.

1 gal. P/N 09-00526

5 gal. pail P/N 09-00527

DE-ICER PRODUCTS — LPS PRODUCTS

BF GOODRICH AGE MASTER RUBBER NO. 1 PROTECTIVE AGENT

FLAMMABLE
Age Master #1 rubber protectant helps extend the life of your de-icers so you can cut maintenance costs, slow deterioration and aging, extend service life and save money. Age Master #1 protectant isn't just a surface coat. It penetrates neoprene rubber to help retard damage from ozone, weathering and pollutants to help your de-icers stay strong and flexible. And now it's economical, long lasting and easy to apply. Just follow the simple BF Goodrich guidelines. Wipe or brush on Age Master #1 protectant every 150 flight hours or at least semi-annually, for continuing protection. Age Master #1, the only rubber protectant recommended by BF Goodrich. Meets military specification MIL-P-11520E. Age Master #1 protectant is a staining material. Avoid contact with painted surfaces. Apply sparingly and let dry thoroughly before flying in rain to prevent run-back.



Quart P/N 09-42545

BF GOODRICH ICX II FOR DE-ICERS

FLAMMABLE
Icex coating boosts your de-icer performance so you fly with greater confidence by helping your de-icers shed ice at peak efficiency. Icex coating chemically bonds with rubber de-icer surfaces and forms a slick film that makes your de-icers slippery. It will lower the adhesive bond between ice and de-icer surfaces so your de-icers break the frigid grip of ice better and faster. Icex coating is easy to apply and economical, too. A single application provides 50 flight hours of added ice fighting protection on leading edge de-icers and 15 flight hours of protection on prop de-icers. Get Icex coating in quart cans for an attractive uniform satin finish on your de-icers. One is enough to treat a complete single or twin-engine aircraft.



Quart P/N 09-42530

16 oz. Spray P/N 09-42531

BF GOODRICH DE-ICER CEMENT 8 oz. can. P/N 09-42535

BF GOODRICH SHINEMASTER PNEUMATIC BOOT TREATMENT

Shinemaster Prep is a surface coating that cleans de-icing boots prepares the de-icer for Shinemaster. Shinemaster is a wax surface coating that enhances the appearance of pneumatic de-icing boots. Simply clean the boots with Shinemaster Prep per the instructions, then apply a couple of coats of Shinemaster treatment per the instructions. New boots look spectacular and old boots look like new. Compatible with Agemaster No. 1 and Icex products.



Shinemaster Prep (qt) P/N 09-42532

Shinemaster (pt) P/N 09-00325

RAPCO BOOTSAVER- THE DE-ICE BOOT REPAIR KIT

Another quality product from Rapco, Bootsaver seals pin holes by bonding with the boot material. It is black in color and can be smoothed to blend with the boot surface. P/N 09-41705



JET STREAM PBS BOOT SEALANT

PBS Prep is formulated for use before each PBS Boot Sealant application to avoid dulling and hard to remove build-up. PBS Prep will effectively clean pneumatic de-ice boots of all old treatments assuring the best results possible when applying PBS Boot Sealant. Failure to prepare de-ice boots with PBS Prep may result in dulling due to build-up.



Qt. PBS Prep P/N 09-41711

Qt. PBS Sealant P/N 09-41712

LPS WORKPLACE ORANGE PUMICE HAND CLEANER

LPS WORKPLACE Orange Pumice Hand Cleaner quickly and effectively removes heavy dirt, oil and grease from hands. WORKPLACE Orange Pumice Hand Cleaner contains Pumice for deep cleaning strength and can be used with or without water. Since WORKPLACE Orange Pumice Hand Cleaner is petroleum-free, it reduces skin irritation. WORKPLACE Orange Pumice Hand Cleaner is natural based and has a pH of 5.5 - 6.5.



Odor: Citrus. Color: White.

16oz P/N 09-00786

Gallon P/N 09-00787

LPS LOW SURFACE TENSION (LST)



A deep penetrating formulation attacks rust and corrosion to free frozen parts. LST has an extremely low surface tension that combines with a powerful foaming action to provide complete surface coverage, better penetration and improved moisture displacement. LST Penetrant lubricates and protects against rust and corrosion.

11 oz. aerosol can. P/N 09-01916

LPS COPPER ANTI-SEIZE



Premium Copper Anti-Seize is a low-friction, anti-seize lubricant dispersed in a water-resistant grease and fortified with anti-oxidants, plus rust and corrosion inhibitors. It prevents seizure and galling and resists welding, hardening or setting. It provides low friction and cushions impact and shock loads. It will perform in temperatures up to 1800 F (982 C). Fittings are heated red hot, allowed to cool, can be disassembled without seizure or distortion. It is recommended for production and maintenance jobs where speed in assembling and dismantling is essential. It reduces downtime, saving valuable man-hours while increasing production.

1/2 lb. can P/N 09-02908

LPS MAGNUM TEFLON LUBRICANT



LPS Magnum Teflon Lubricant provides ultra-high lubricity, plus the additive strength of Teflon for high-temperature, high-pressure environments. In even the most demanding situations, extend equipment life and reduce maintenance.

11 oz.. Spray Can P/N 09-26430

LPS STRONG STEEL STICKS



Easy-to-use, hand-kneadable stick for immediate repairs to steel equipment and surfaces. Ideal for stopping leaks, even works on underwater applications. Permanently fills gaps and holes in metal, concrete, wood, fiberglass, and ceramics. Has a working time of 4 minutes, and will fully cure in 30 minutes to form a durable mass which can be machined, drilled, and painted. Can be used for many types of repairs, such as plumbing, electrical, ceramic, vehicle, equipment, and machinery. It is ideal for patching holes and cracks in pipes, drums, and tanks.

4 oz. stick P/N 09-26444

LPS ELECTRO 140 CONTACT CLEANER



LPS Electro 140 Contact Cleaner is the high flash point, fast penetrating, non-residue cleaner alternative to CFCs for fine parts. The Electro 140 Contact Cleaner flash point is above 140 , making it safer to use in areas where flammability may be a concern. It is free of any known stratospheric ozone depleting substances - like CFCs, HCFCs, and 1,1,1 trichloroethane. Electro 140 has a low odor is effective for flux removal and immersion cleaning.

11 oz.. Spray Can P/N 09-26465

Warning: Due to VOC Regulations CA, OR, WA, CO states laws prohibit use, sell, or purchase of this product as of 01/2008 Replacement for 09-26465

LPS NO FLASH ELECTRO CONTACT CLEANER



LPS NoFlash is a vaporous solvent cleaner alternative to CFCs that's safe to use on most surfaces. It's nonconductive and nonflammable, so it can be used while equipment is in operation to avoid costly downtime. NoFlash Electro Contact Cleaner penetrates and evaporates quickly, dislodging oil, grease, dirt and other materials from precision mechanical and delicate electrical/electronic parts leaving no residue.

P/N 09-26412

LPS MICRO-X CONTACT CLEANER



A fast evaporating contact cleaner ideal for removing grease, dirt and oil from delicate precision electrical, electronic and mechanical parts. Safe on metal and most plastic parts. No rinsing.

11 oz. Aerosol P/N 09-00151

Warning: Due to VOC Regulations CA, OR, WA, CO states laws prohibit use, sell, or purchase of this product as of 01/2008 Replacement for 09-00151

LPS ELECTRA-X CONTACT CLEANER



A non-flammable contact cleaner that removes oil, grease, dirt and other foreign materials from precision mechanical and delicate electrical/electronic parts. Fast evaporating. No flash point. No rinsing.

15 oz.. Aerosol P/N 09-00153

CS

LPS PRODUCTS



LPS® HEAVY-DUTY SILICONE LUBRICANT

Meets FDA regulation for incidental food contact. Silicone-rich formula. Water-based formula. Colorless, odorless non staining. Ideal for rubber and plastic surfaces. Eliminates sticking, binding and squeaking. Does not contain chlorinated solvents. Safe on most surfaces NSF H1 registered. 13oz. (368g) aerosol.....P/N 09-26410.....



LPS PSC PLASTIC SAFE CLEANER

Patented formula Patented US #6,342,471. Electrical contact cleaner. Cleans electrical parts without harming plastics. * Non-flammable * Plastic safe * Non-conductive * No residue * Replaces HCFC 141b contact cleaners * Fast evaporating * Conforms to CARB VOC requirements
14 oz. aerosol can.....P/N 09-26406.....



LPS® COLD GALVANIZE CORROSION INHIBITOR

* Zinc purity greater than 99% * Works like a hot-dip on ferrous metals indoors and outdoors * Withstands water temperature up to 212 F (100 C) and continuous dry heat up to 750 F (400 C) * Commonly used as a flash rust preventive on welded areas * Long term protection * Flexible coating will not yellow, chalk, crack or peel * Electrochemically protects bare metal * Dries to touch in 3 to 5 minutes * 14oz. (397g) aerosol P/N 09-26425.....



LPS® INSTANT SUPER DEGREASER

* Heavy-duty performance * Power blast spray * Non-flammable * Removes oil, greases, dirt and tar * Non-chlorinated * Fast evaporating * Non-conductive * No rinsing * No residue * NSF C1 registration #129029: (aerosol); #129028: (bulk) * Canadian Food Inspection Agency (CFIA) approved 20 oz.....P/N 09-26415.....



LPS® TKX® ALL-PURPOSE LUBRICANT

All purpose, value lubricant which displaces moisture, loosens rusted or frozen parts and protects metal against corrosion. Does not contain chlorinated solvents or silicones. Safe to use on most surfaces. High flash point of 175 F (79 C). Inverta Spray Valve allows user to spray in an upright or inverted position. NSF H2 registration. 11oz. (312g) aerosol. P/N 09-00148.....



LPS® HDX HEAVY-DUTY DEGREASER

* Nonflammable * Removes oil, grease, wax, dirt, moisture, tar, brake fluid and other contaminants * Fast evaporating * Low odor * Quick penetration * No residue * Non-conductive * NSF K1 registration # 059809: (aerosol); # 059810: (bulk)
19oz. (539g) aerosol.....P/N 09-26407.....
1gal. (3.78l).....P/N 09-26408.....



LPS® EVR® CLEAN AIR SOLVET DEGREASER

* High solvent strength * Fast evaporation * Low VOC content * Complies with CARB/OTC (California Air Resources Board/Ozone * Transport Commission) Rules * Not a Hazardous Air Pollutant (HAP) * Instant cleaning action * Excellent replacement for Methyl Ethyl Ketone (MEK) * Ideal for cleaning metals * No residue * No ozone depleting compounds * Inverta Spray Valve allows user to spray in an upright or inverted position. P/N 09-02013.....



LPS® LVC CONTACT CLEANER

Reduced VOCs (Volatile Organic Compounds). Conforms to CARB (California Air Resources Board) requirements for VOC emissions. * Fast evaporating * Ideal for electrical/electronic and fine parts * Cleans and degreases delicate precision mechanisms * Safe on plastics * Penetrating action removes oil, grease, dirt, flux and other contaminants * Does not contain chlorinated solvents * No residue P/N 09-02045.....



LPS® U-10 BRAKE CLEANER

* Low VOC (Volatile Organic * Compounds) content * Complies with CARB/OTC (California Air Resources * Board/Ozone Transport Commission) Rules * Instantly removes brake fluid, dust, grease and oil * Improves brake performance * Helps stop disc brake squeal * Powerful jet spray and high solvency * Can be applied without disassembling the brake unit * No ozone depleting chemicals * Fast evaporating * Does not contain toluene * Does not contain chlorinated solvents * No rinsing or no residue * 14oz. (397g) aerosol P/N 09-02119.....



LPS 1® PREMIUM LUBRICANT

Provides a dry, thin lubricating film. Resists oil, dust and dirt build-up. Fast acting penetration. Displaces moisture Loosens rusted or frozen parts. Provides a short term, light corrosion resistant barrier. Nonconductive Ideal for delicate mechanisms. Used worldwide in aviation. Safe on paint and most plastics. Inverta Spray Valve allows user to spray in an upright or inverted position NSF H2 registered .

11oz. (312g) aerosol.....P/N 09-25900.....
1 gal. (3.78 l).....P/N 09-26000.....



LPS 2® HEAVY-DUTY LUBRICANT

Strong, multi-purpose lubricant and penetrant with added corrosion protection. Provides a nondrying, light, oily film for use on indoor/outdoor equipment. Reduces wear caused by friction and corrosion. Displaces moisture Loosens rusted or frozen parts. Provides up to one year of protection. Nonconductive Safe on paint and most plastics. Inverta Spray Valve allows user to spray in an upright or inverted position. NSF H2 registered

11oz. (312g) aerosol.....P/N 09-26100.....
1 gal. (3.78 l).....P/N 09-26200.....



LPS 3® PREMIER RUST INHIBITOR

* Forms a transparent, soft, waxy film for protection lubrication * Inhibits rust corrosion, protects steel parts indoors for up to two years * Penetrates to displace moisture * Does not contain chlorinated solvents or silicone * Nonconductive * Safe on most surfaces * Stops rust and corrosion * Provides non-sling lubrication * Provides anti-seize coating * Safe to use on rubber, fabric, plastics and paints * Inverta Spray Valve allows user to spray in an upright or inverted position * NSF H2 registered #129027: (aerosol); #059849 (bulk)

11oz. (312g) aerosol.....P/N 09-26300.....
20fl. oz. (591ml) trigger.....P/N 09-01223.....
1 gal. (3.78 l).....P/N 09-26400.....



LPS® TAPMATIC® AQUACUT CUTTING FLUID

* Water-based formula * Excellent in high speed cooling applications * Nonflammable * Non hazardous * Does not contain sulfur, chlorinated solvents, chlorine or oils * Safe on all metals, except magnesium * Corrosion inhibitors prevent flash rusting * Provides fine finishes * Pleasant cinnamon scent * 16fl. oz. (0.473l) bottles.....P/N 09-02132.....



LPS® QB PRECISION DUSTER

Patented formula Patented US #6,342,471. Electrical contact cleaner. Cleans electrical parts without harming plastics. * Non-flammable * Plastic safe * Non-conductive * No residue * Replaces HCFC 141b contact cleaners * Fast evaporating * Conforms to CARB VOC requirements. 10 oz. spray can. P/N 09-26210.....



LPS® PRESOLVE® ORANGE DEGREASER

* High performance industrial cleaner that cleans on contact * Ideal for removing grease, tar, oil adhesives * Fast acting, deep penetration * Natural based * Does not contain chlorinated solvents * Flash point above 100 F (38 C) * Non-conductive * Low residue * Safe on all metals and most plastics * Inverta Spray Valve allows user to spray in an upright or inverted position * NSF C1 registered #129025: (aerosol); #059830: (bulk)

15oz. (425g) aerosol.....P/N 09-00311.....
1gal. (3.78l).....P/N 09-00312.....
5gal. (18.93l).....P/N 09-00313.....



LPS® ZEROTRI® HEAVY-DUTY DEGREASER

* Penetrating action instantly removes oil, grease, wax, dirt, moisture, tar and other contaminants * Removes conformal coatings * No ozone depleting chemicals * Fast evaporating * Safe to use on most surfaces * Does not contain chlorinated solvents * No rinsing, no residue * Inverta Spray Valve allows user to spray in an upright or inverted position * NSF C1 registered #059845: (aerosol); #059846: (bulk) * Canadian Food Inspection Agency (CFIA) approved

15 oz. spray.....P/N 09-26470.....



LPS T-91 NON-SOLVENT DEGREASER

T-91 Non-Solvent Degreaser is biodegradable, non-flammable, and has a neutral pH. T-91 is an excellent replacement for many solvent degreasers that have potential worker safety or flammability concerns. T-91 is ideal for solvent cleaning, part washers, and dip tanks and is more economical than most solvent degreasers in the marketplace. T-91 has an NSF A1 registration (#141975) for use in food plants.

1 gallon.....P/N 09-02309.....
5 gallon.....P/N 09-02310.....

CLEANERS — DEGREASERS

AVL LUBRICANTS & RUST INHIBITORS



AVL LIGHT - The premium light lubricant and rust inhibitor that penetrates and displaces moisture fast, leaving a delicate coating for excellent lubrication and rust protection. A fine, light film that resists the accumulation of dust and dirt. Ideal for drying and protecting electrical connectors and delicate machinery. Can sprays upright or inverted. P/N 09-02106

AVL MEDIUM - The premium medium lubricant and corrosion preventor is specifically designed to penetrate and displace moisture fast. It leaves a medium weight oily coating for long term lubrication and rust prevention. Can sprays upright or inverted. P/N 13-02963

AVL THICK - The premium thick lubricant and corrosion preventor penetrates and displaces moisture. It stops corrosion on contact leaving a thick coating for long term lubrication and corrosion prevention. Can sprays upright or inverted. P/N 13-02964



AVL NO CHLOR CLEANER/DEGREASER

The powerful flushing action and a high solvency formulation makes cleaning metal parts faster and easier. Penetrates quickly into hard to reach areas, cleaning thoroughly. AVL NO CHLOR Cleaner/Degreaser does not contain any 1,1,1 Trichloroethane or any solvents or CFCs known to deplete the stratospheric ozone layer. Evaporates quickly leaving no residue. Removes oil and grease on contact. This is the best non-chlorinated degreaser we have ever produced. 14 oz. P/N 13-02961

AVL ELECTRO CONTACT CLEANER

The premium aviation cleaner that penetrates fast, cleans and degreases, removes dust and dust buildup without leaving a noticeable film or oil residue. Both penetrate and dry quickly. Ideal for air and ground, electrical and avionics, and sensitive mechanisms. Non-flammable. P/N 13-02958



AVL FAST ACTING CLEANER/DEGREASER II

AVL Fast Acting Cleaner/Degreaser II is a highly concentrated solvent designed to remove dirt, grease, oil and grime from metallic and non-metallic surfaces. Cleaning is quick and simple without the danger of injury to working parts. Ideally suited for use on electronic motors even while running, electronic equipment, ignition systems, generators, power tools, etc. It is non-flammable and non-conductive so it can be used while motors and equipment are operating. Cleans degreases very fast and dries quickly leaving little residue. P/N 13-02960

MACH #1 DEGREASER/CLEANER

A citrus scented degreaser and cleaner designed for the aircraft industry. This surface degreaser is non-irritating but will remove heavy encrustations. Mach #1 (formally known as Big Orange Plus) combines solvent power with an emulsifier system that removes hydraulic fluids, fuel stains, and exhaust soot. P/N 13-00031



AVL AIRCRAFT GLASS CLEANER

AVL glass cleaner is safe on all plastics and glass. It contains no ammonia. This foaming glass cleaner cleans and leaves a shiny finish with no residue. It easily removes bugs and grime from windshields and all surfaces. 15 oz. P/N 13-02959

CRAZY CLEAN ALL PURPOSE CLEANER

Crazy Clean is an all purpose cleaner which is excellent for removing fuel stains, exhaust stains, an dgrease and grime from your aircraft. Ideal fro removing bugs from leading edges. Crazy Clean produces a cinging foam which cleans and deodorizes and leaves a clean, not waxy surface. Keep a can in the airplane to use when travelling. Recommended by Aviation Consumer. 15 oz. aerosol can. P/N 09-00563



THOR TREE SAP REMOVER

Having a problem with those pine trees Nasty bird droppings Well we have the product for you Thor Tree Sap Remover is the answer to remove that sticky tree sap. Even more effective on hardened sap and Bird droppings. Very easy to apply, just pour it on a soft cloth towel apply it to the tree sap or bird droppings and watch it be removed with ease P/N 09-01958



THOR AERO BRUSH

This is a 10 foam block that is completely filled with a one threaded green nylon. This brush will effectively remove oil, grease, exhaust fumes, and other oily residues. 60 length metal handle not included, order separately.

Thor Aero Brush P/N 09-00897
Handle For Brush P/N 09-02097

EXTREME SIMPLE GREEN AIRCRAFT CLEANER



Unique cleaning anti-corrosion chemistry delivers superior performance and materials-safety all in one. Cuts through tough, built up grease, oil, dirt, pollution, insect residue impact soils. Gets its superior cleaning from a unique triple play cleaning formula. 2 high performance surfactants and new generation grease lifter/cutter combine to get the soil away from the aircraft surface quickly and keep it away so it can be cleanly rinsed away. Also able to go into oil/water separators and have oil break from solution. Extreme Simple Green's safety upon aircraft materials and precision cleaning surfaces comes from a combination of proven anti-corrosion agents. Time tested coupling agent allows these to work together to battle corrosion hydrogen embrittlement. This makes it safe to put through pressure washing equipment, rack wash systems, dip tanks parts washers, without any equipment damage.

32 oz. P/N 09-00809 Gallon. P/N 09-00810
5Gal. P/N 09-01236 Spray. P/N 09-01241
55 Gallon Drum P/N 09-01606

SIMPLE GREEN SAFETY TOWELS - Non-toxic and Biodegradable. Pre-moistened, quick and versatile with no color and no added scent. Non-abrasive and abrasive sides. 09-01297

CRYSTAL SIMPLE GREEN INDUSTRIAL CLEANER/DEGREASER

- Use for equipment and machinery degreasing, parts washers and dip tanks, mechanized applicators. Non-toxic biodegradable, non-abrasive non-flammable.

24 oz. (Trigger Spray) P/N 09-01298
1 Gallon P/N 09-01299

SIMPLE GREEN HAND CLEANER GEL -

5 oz. P/N 09-01301
1 Gallon (pump) P/N 09-01302



SIMPLE GREEN 30 GAL. PARTS WASHER - 15 depth soak basin at deepest point). Stainless steel workshelf, flex spigot nylon flow-thru brushClean out plug for easy draining, includes filter kit and circulating pump. Overall dims: 36 L x 24 W x 39 H. P/N 09-01303

SIMPLE GREEN 4-WAY PROPORTIONER -

.... P/N 09-01304

SIMPLE GREEN FOAMING CRYSTAL INDUSTRIAL CLEANER/DEGREASER -

Fragrance-free and color-free solution.

P/N 09-01305

SIMPLE GREEN CONCENTRATED CLEANER/DEGREASER DEODORIZER

- Clean deodorize grease filters/traps.
24 oz. (Trigger Spray) P/N 09-01306
1 Gallon P/N 09-01307

SIMPLE GREEN LIME SCALE REMOVER INDUSTRIAL/INSTITUTIONAL DESCALER -

Dissolves soap scum mineral deposits. Deodorizes-contains no bleach, ammonia or phosphorus. Non-abrasive non-flammable. Spray. P/N 09-01308
Bottle. P/N 09-01309



THOR AIRCRAFT CONCENTRATE

Thor Aircraft Concentrate is specifically formulated to dissolve the residue of exhaust, grease, dirt and oil. It is safe on all surfaces such as ferrous metals, aluminum, plastic, rubber, painted and unpainted surfaces. Also a non toxic, non-corrosive, non hazardous product. Use 1 to 2 quarts of product per 5 gal. of water, depending on how heavily soiled the aircraft is. P/N 09-02122



THOR BUG SPONGE

This product is designed to be used when wet, this foam like material will safely scrub away bugs, bird droppings and any other contaminants. It can be used on Plexi-glass and all painted surfaces. P/N 09-00898



THOR AERO DRY WASH

When you do not have access to water, this is the product for you. Simply spray it on and wipe it off. This unique product also has a polish in it to protect the painted surface. It also contains a corrosion inhibitor which protects the painted surface. Thor Aero Dry Wash is especially safe on plexiglass.

8oz. P/N 09-01325
32oz. P/N 09-01326

CS

CRC AVIATION MAINTENANCE PRODUCTS



CRC 3-36® MULTI PURPOSE LUBRICANT



A multi purpose lubricant and corrosion inhibitor specifically designed for use around modern plastics. Applications Include: • Seat and cargo tracks • Landing Gear • Lower fuselage interior • Faying surface and crevices • Wing interior surfaces • Entry door horizontal stabilizers • Ground support equipment. Not for use on energized equipment.

16 oz.P/N 09-39600



CRC ULTRA-LITE LUBE

CRC ULTRA-LITE LUBE is an ultra-thin, non-staining dry film lubricant that resists oil dust and dirt buildup. It penetrates into the most minute openings, sealing out moisture and preventing corrosion. Applications include: • Specially formulated for use around modern plastics, polycarbonates, ABS and NORYL • Insulators • Enclosures • Delicate components • Penetrates through rust and scale • Loosens seized mechanisms and frozen parts. Not for use on energized equipment.

16 oz.P/N 09-39602



CRC POWER LUBE®

A unique lubricant that incorporates a sophisticated additive package with Teflon® to provide long lasting protection against friction and wear. Applications include: • Hinges • Motors • Bearings • Cables • Chains • Rollers • Locks • Guide Bars • Pulleys • Sliding surfaces • Valves • Gears • Ball & socket joints • Linkages • Taps and dies • Air power tools • Cutting tools • Precision tools • Chain drives • Sliding mechanisms • Sprockets. Not for use on energized equipment.

10 oz.P/N 09-39605



CRC PRECISION CONTACT CLEANER

A Revolutionary new precision cleaning solvent designed to meet today's environmental challenges. This high-purity solvent is a chemically stable HCFC and does not exhibit the same ozone depleting properties as conventional solvents. It evaporates rapidly and has no flash point and leaves no residue. Applications include: • Computers • Delicate avionics • Oxygen & other pressurized gas systems • PC boards • Radios • Radar equipment • Contacts and switches. Do not use on polycarbonate or Noryl type plastics. Not for use on energized equipment.

16 oz.P/N 09-39617



CRC QUICK DRY CONTACT CLEANER

An alcohol-based precision cleaner that is 100% free of CFCs. Ideal for applications where lower flashpoint solvents may be used. It evaporates rapidly and completely and is harmless to most plastics. Applications include: • Switchgears • Circuit breakers • Telecommunication equipment • Fusible connecting devices • Motors • Generators • Relays • Terminals • Rheostats • Instrumentation • Communications equipment. Not for use on energized equipment.

16 oz.P/N 09-39620



CRC PAINT & DECAL REMOVER

A solvent-based, high strength cleaner that effectively loosens and helps remove paint, adhesives and sealants. It helps protect equipment surfaces by eliminating damage caused by excessive scraping. Applications include: • Dissolves and aids removal of paints, lacquers, adhesives and varnish • Removes graffiti from metal and stone • Removes conventional and formed-in-place gaskets on motors, pumps flanges. Not for use on energized equipment.

16 oz.P/N 09-39622



CRC AVIATION WINDOW CLEANER

A modern blend of detergents and corrosion inhibitors designed to safely clean aircraft glass, plexiglass and other surfaces (pH 10.6±0.5). Applications include: • Windows • Interior surfaces • Galley areas • Overhead compartments. Not for use on energized equipment.

16 oz.P/N 09-39630



AVIATION DEGREASER

Aviation degreaser is a halogenated solvent-based cleaner/degreaser that is chemically stable and extremely effective in heavy duty cleaning applications. It is fast-acting, non-flammable, and evaporates quickly leaving no residue. Extremely effective solvent for cleaning and removing corrosion inhibiting compounds. Contains no HAPs. Removes carbon buildup. High dielectric strength of 26,800 volts. Degreases and cleans aviation surfaces to allow for easy visual inspection. Cleans and prepares metal surfaces for painting on adhesive bonding. Evaporates fast leaving no residue. Non-flammable, non-staining and non-corrosive. Applications: Fuselage • Wheel wells • Electric motors • Firewalls • Nozzles • Generators • Nosegear • Ground support equipment • Airframe exterior surface

20 oz. aerosol.P/N 09-39690



CRC SUPER DEGREASER

A revolutionary alternative to 1,1,1 Trichloroethane and other chlorinated solvents. Now you can give up chlorinated solvents without giving up cleaning power. A unique, scientifically formulated cleaner and degreaser that effectively removes grease, oil, dirt and other contaminants from motors, parts and equipment. Applications include: • Exhaust trails • Hinges • Antenna mounts • Static tubes • Wheel wells • Struts & tubes • Galleys • Seat tracks • Cargo doors • Cargo tracks. Not for use on energized equipment.

20 oz.P/N 09-39642



CRC CORROSION SHIELD

A long-term corrosion inhibitor that provides extended protection for all metal parts and assemblies, both in storage and during shipment. Its thin, nondrying film protects better than many thicker, waxy films, and is easily removed with solvent cleaners. The unique overlapping plating action provides unequalled protection for planed surfaces and sharp edges. Applications include: • Seat and cargo tracks • Landing gear, wheel wells & keel beam • Fuselage structure • Wing to body fairing • Pins • Hinges • Wing front & rear spar • Lower fuselage interior • Wing interior structure • Horizontal stabilizer • Ground support equipment • Chains and cables • Air conditioning ducts • Lap joints • Skin panel edges • Emergency escape hatches • Bulkheads • Entry and cargo doors. Not for use on energized equipment.

20 oz.P/N 09-39655



CRC CORROSION SHELL

A long-term indoor and outdoor corrosion inhibitor for machined surfaces and assemblies subjected to long periods of storage or adverse conditions during shipment. Its firm, waxy film is highly resistant to humidity and salt spray and never becomes brittle. Petroleum solvents may be used to dilute the product to vary the film thickness or to remove it after application. Applications include: • Completed assemblies • Seat tracks • Chains and cables • Landing gear • Wheel wells • Faying surfaces • Air conditioning ducts • Lap joints • Skin panel edges • Fuselage • Landing gear and bilges • Emergency escape hatches • Bulkheads • Entry & cargo doors. Not for use on energized equipment.

16 oz.P/N 09-39657

LUBRICANTS

LOCTITE THREADLOCKER



Loctite Threadlocker used on a standard fastener can eliminate expensive locking devices while you increase the reliability and quality of your assembly. One drop prevents loosening. 2 removable strengths for large small applications and permanent strength for locking parts you never want to take apart.

#222 Threadlocker (permanent, for small screws)
10 ml..... P/N 09-42605..... 50 ml..... P/N 09-42610.....
#242 Threadlocker (removable, for large screws)
10 ml..... P/N 09-42615..... 50 ml..... P/N 09-42620.....
#262 Threadlocker (permanent, for large screws)
10 ml..... P/N 09-42625..... 50 ml..... P/N 09-42630.....

PARKER-O-LUBE



Excellent for use on exposed valve plungers, cylinder rods, and other o-rings. It lubricates without causing deterioration of rubber and is water resistant. Good for low pressure vacuum and pneumatic systems.

4 oz. tube..... P/N 05-00773.....

SEALUBE



Anti-seize sealer for threaded aluminum alloy parts exposed to gasoline, oil, water, air or vacuum. Good lubricating qualities. Will not harden or set. Will not freeze joints at low temperatures. Non-corrosive, insoluble in gasoline, oil or water.

1 Lb. Can..... P/N 09-25200.....

BAKERSEAL



Thread sealing and lubricating compound. Contains Teflon. Prevents thread leaks with fluids and gases up to 600 F. Recommended for gasoline and aircraft oils. Superior to Teflon tape and much easier to use. 8 oz. jar.

P/N 09-00346.....

LUBRIPLATE NO. 630AA



Multi-purpose lubricant. Forms a wearing film on working surfaces. Excellent protection against rust and corrosion. Recommended for controllable pitch props, wheel and magneto bearings, general greasing.

14 oz. Can..... P/N 09-25400.....
6 Lb.. Can..... P/N 09-25500.....

EZ TURN LUBRICANT (FUELUBE)



EZ Turn is a specialty lubricant/sealant used for fuel and oil line valves and is resistant to high temperatures. It is especially effective where high octane fuels and aromatics are present. EZ Turn is also extremely efficient as a gasket paste and anti-seize agent. EZ Turn will not gum, crack or dry out. Each shipment is independently tested. Excellent for tapered plug valves, aircraft engine manufacturing, and marine applications. EZ Turn is the functional equivalent of fuel lube.

5 oz. tube..... P/N 09-00306.....
1 Lb. can..... P/N 09-00180.....

PERMATEX ANTI-SEIZE LUBRICANT



Prevents galling, seizing and corrosion of metal parts from 65 F to 2000 F. Acts as a low speed lubricant and maintains a corrosion-resistant coating at high temperatures. Makes aluminum and stainless steel joints disassemble quickly, easily. Excellent lubricant for press fit assembly. Works on industrial engine parts, boilers, outdoor motors, cables and internal combustion engines. Conforms to MIL-A-907D. Improves reliability at high temperatures. Saves time, labor.

1 oz. tube..... P/N 09-28410.....

MICROLON PRECISION OILER



This oiler has the famous Microlon resin suspended in a light-weight oil to lubricate, penetrate and prevent rust. It is excellent for lubricating bearings, threaded parts, hinges, pocket knives, chains, rollers, fishing gear, chain saws, guns, garage doors.... just about anywhere that friction causes noise and resistance. Furnished in a handy pen size oiler with a pocket clip. .25 Fluid Ounces.

P/N 09-00756.....

WD-40 PENETRANT/LUBRICANT



Displaces moisture on any metal surface, preventing rust, corrosion or oxidation of the surface. Used on switches pulleys, wheel housings, seam areas. Non-gumming, non-conductive safe for all electrical systems. Conforms to specification C-234

11. 12 oz. Spray..... P/N 09-00347.....

DRY GRAPHITE SPRAY NO. 5200



Provides a uniform dry lubricant film of non-abrasive graphite for any metal surface. Can be used alone or with fluid lubricants. Used in engine overhaul, on struts, gears, tracks. Meets MIL-G-26548. DGF-123

11 oz. Spray..... P/N 09-25600.....

TRI-FLO TEFLON LUBRICANT



Penetrating lubricant with Teflon, corrosion inhibitors, moisture displacers and solvents to soften and remove dirt and corrosion. Will not cause corrosion. Use on aircraft cabin door hinges, landing gear hinges and struts. Loosens rusted bolts and other fasteners. 12oz. aerosol can

P/N 09-42540.....

FOAMING SUPERIOR LUBRICANT



Tri-Flow is revolutionizing the way you clean, protect and lubricate all of your moving parts with the introduction of Foaming Superior Lubricant and Foaming Citrus Cleaner Degreaser. Tri-Flow's powerful foaming action clings to both horizontal and vertical surfaces to allow for deep penetration and accurate application. Tri-Flow Foaming products are ideal for use on bicycles, firearms, sporting equipment, manufacturing equipment, and more

P/N 09-02082.....

LIQUID WRENCH



A powerful blend of quick acting solvents to free parts frozen by rust, corrosion or paint. Harmless to metals. 11 oz. Aerosol

Spray..... P/N 09-25800.....

F-900 "TORQUE SEAL"



Inspection Lacquer is used in production on compression fittings, studs, nuts, parts, and assemblies after they are in proper torque or position. Widely used as Anti-Sabotage Lacquer. Inspectors can visually detect any movement or tampering; Torque Seal becomes brittle and will crack. Excellent adhesion to all metals and to most other surfaces. Dries fast. Torque Seal is packaged in convenient 1/2 oz. poly squeeze tubes. Available in 4 high visibility.

Yellow..... P/N 09-25807.....
Blue..... P/N 09-25809.....
Green..... P/N 09-25808.....
Orange..... P/N 09-25810.....
Red..... P/N 09-02033.....

F-1000 SENTRY SEAL



Used on compression fittings, studs, nuts, parts and assemblies after they have been set to proper tension or position. Service personnel or inspectors can quickly spot any changes or tampering with equipment. Sentry Seal has excellent adhesion to metals, including aluminum, magnesium, titanium, stainless and copper, and is non-corrosive to these metals. It is packaged in handy metal tubes. Squeeze the tube to extrude the Sentry Seal through the small hole to form a bead (narrow stripe) across the parts. The surface dries in about one minute, then it will start to polymerize and become brittle as it dries completely. Available in blue.

P/N 09-28512.....

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LOGO DECALS

AUTHENTIC AIRCRAFT LOGO DECALS

Our full line of authentic aircraft logos are produced on state-of-the-art long lasting UV coated pressure sensitive adhesive vinyl. They are precision cut by a specially programmed computer and have no clear background. Other brands of decals can be produced cheaply but the clear background tends to yellow, rendering unsightly over time. With our custom cut decals, only the letters themselves go on the aircraft giving the lettering a truly professional look which will last as long as the aircraft paint. Please order by part number shown. Many other logos and styles are available, as well as other colors. Call for quotation or send \$2.00 for our complete logo and decal catalog. For quote on custom logo decals, send sketch and details.

FOR OTHER LOGOS AVAILABLE. Send \$. FOR COMPLETE LOGO AND DECAL CATALOG P/N 09-43736



5.75 h x 13.25 w
Black.....09-43502
White ...09-43504

DECATHLON

1-5/8 h x 10-3/4 w
Black ...09-43506
White ...09-43508



Black, Gold, White
6 h x 8.75 w
09-43509 pr.

Citabria

2 h x 9-1/2 w
Black.....09-43516
White09-43518 ea



Black.....09-43519
White09-43522
Red.....09-43524
Blue.....09-43526
6 h x 10.5 w /pr



Black.....09-43528
White09-43529
Red.....09-43532
Blue.....09-43534
6 h x 10.5 w pr

cessna

Black.....09-43536
White09-43548
2 h x 10.5 w ea

CESSNA

Black.....09-43540
White09-43542
Gold.....09-43544
2 h x 8.25 w ea.



Black.....09-43546
White09-43548
4-1/4 h x 10 w ea.

SKYLANE

Black.....09-43550
White09-43552
1.75 h x 10 w ea.

SKYLANE

Black.....09-43554
White09-43556
2.25 h x 8.5 w ea

SKYWAGON 180

Black.....09-43558
Silver.....09-43560
1.25 h x 14.5 w ea

CENTURION

Black.....09-43562
White09-43564
1.5 h x 15.5 w ea



Gold.....09-43566
6.25 Diameter pr

Turbo CENTURION II

2.937 hx18.75 w
Black.....09-43568
White09-43570 ea

SKYHAWK

Black.....09-43572
White09-43574
1.5 h x 13 w ea



Black.....09-43576
White09-43578
4.5 h x 9.5 w ea



17.5 hx8.875 w
Gold Bkgrnd, Black Border
P/N 09-43580 pr.



Black.....09-43582
White09-43584
5 h x 8.75 w ea.

Mooney

Black.....09-43586
White09-43588
1.75 h x 8 w ea.



Small Black.....09-43587
Small White09-43589
4 h x 10 w pr.

Large Black09-43591
Large White09-43593
7.75 h x 19 w pr.



Full Color09-43598
8.5 h x 7.75 w ea



Full Color ea
09-43500
1-Color ea
09-43602
2-1/2 h x 5-1/4 w

PIPER

Black.....09-43604
White09-43606
2 h x 8.75 w ea



Black.....09-43608
White09-43609
2.5 h x 11.25 w ea

CHEROKEE 140

Black.....09-43612
White09-43614
1.5 h x 11-3/8 w ea

CHEROKEE 140 D

Black.....09-43616
White09-43618
1.5 h x 12.5 w ea



Black.....09-43619
White09-43622
2.75 h x 10 w ea



Black.....09-43624
White09-43626
3 h x 11 w ea



Black.....09-43628
White09-43629
2.75 h x 6-1/8 w ea

CHEROKEE SIX E

Black.....09-43632
Silver.....09-43634
1.5 h x 13 w ea

Camanche C

Black.....09-43636
White09-43638
1.25 h x 12.75 w..... ea



Red Black w/Silver Bkgrnd
09-43640
2-1/8 x 61/2 ea

Super Cub

Black.....09-43642
White09-43644
1.5 h x 7.75 w ea

Beechcraft

Black..... ea
09-43646
White ea
09-43648
Gold ea
09-43650
4-1/8 h x 13-1/2 w

Baron

Black.....09-43652
White09-43654
3 h x 7 w ea

Bonanza

Black.....09-43656
White09-43658
3 h x 9 w ea



Black.....09-43660
White09-43662
2.5 h x 8.5 w ea



Blue on Silver09-43664
2.5 h x 7 w ea

MAULE

Black.....09-43666
White09-43668
2-7/8 h x 17 w ea

TURBO

Black.....09-43670
White09-43672
2.5 h x 17-3/8 w ea

Black.....09-43674
White09-43676
1 h x 10-7/8 w ea



Black.....09-43678
White09-43680
4 h x 12 w ea

SPECIAL

Black.....09-43682
White09-43684
1 h x 5 w ea



Black.....09-43686
White09-43688
2.5 h x 18-5/8 w ea.

GLASAIR III

Black.....09-43690
White09-43692
2.25 h x 17 w ea

GLASAIR

Black.....09-43694
White09-43696
2.75 h x 15.75 w..... ea



Black.....09-43698
White09-43700
2.5 hx 8.75 ea

PULSAR

Black.....09-43702
White09-43704
3 h x 14.5 w ea

RANS

Black.....09-43706
White09-43708
2 h x 9.5 w ea



Black.....09-43709
White09-43712
3.25 h x 8.75 w ea

Stearman

Black.....09-43718
White09-43719
4 h x 19 w ea



Black.....09-43722
White09-43724
Gold outline on both.
3 h x 5.5 w ea



09-43728
(Black, Red, Gold)
2-3/8 hx14.25 w ea



Small: 4 H x 8 W
Left.....09-43732-1.....
Right ..09-43732-2.....

Large: 6 H x 12 W
Left.....09-43734.....
Right ..09-01955.....

LOGO DECALS



3 09-43740 ea
4.5 09-43741 ea
Not available in lefts and rights only
available as shown.



Full Color 09-43748
2 h x 6.75 w ea



Black Silver 09-43751
1.25 h x 8-3/8 w ea



Black 09-43752
4-7/8 h x 12-7/8 w ea



09-43755(White) ea.



Black 09-43756
White 09-43757
3.5 h x 16-5/8 w ea



Black 09-43758
White 09-43759
5/8 h x 8.25 w ea



Black 09-43742
White 09-43743
1 h x 4.25 w ea



Black 09-43744
White 09-43745
5 h x 12 w ea



Full Color-screened 09-43764
8.25 h x 9 w ea



Black, Grey, White, Red. 09-02103
6 h x 1.5 w ea



Black 09-43746
2.25 h x 6.75 w ea



Black 09-43780
White 09-43781
9.25 h x 23.5 w ea



Black 09-43782
3.25 h x 3.25 w ea



Left, Black 09-43784
Right, Black 09-43785
5.25 h x 5-3/8 w ea



Black 09-43788
8 h x 16 w ea



White 09-43791
2-1/8 h x 8.25 w ea



Black 09-43792
9-7/8 h x 46.75 w ea



Black 09-43796
White 09-43797
3-3/8 h x 11.5 w ea



Black Silver 09-43798
2.5 h x 12 w ea



Black 09-43800
White 09-43801
1 h x 9-1/8 w ea



Black 09-43802
1.5 h x 13 w ea



Black 09-43806
5.75 h x 13.25 w ea



Black 09-43808
White 09-43809
2.5 h x 12.75 w ea



Black 09-43811
1 h x 10 w ea



Left, Black 09-43813
Right, Black 09-43814
Left, White 09-43816
3 h x 3.5 w ea



Black 09-43774
4-3/8 h x 10 w ea



Black 09-43778
White 09-43779
4-3/8 h x 10 w ea



Black 09-43822
White 09-43823
1.75 h x 8.75 w ea



Left, Black 09-43824
Right, Black 09-43826
Left, White 09-43827
Right, White 09-43828
4-3/8 h x 5-7/8 w ea



Black 09-43829
White 09-43831
2.75 h x 19 w ea

Left, Black 09-43832
Right, Black 09-43833



1.5 h x 11.75 w ea.



Left, Black 09-43837
Right, Black 09-43838
1.5 h x 7.5 w ea



Black 09-43841
White 09-43842
1.5 h x 7.5 w ea



Black 09-43843
2 h x 12.5 ea



Black Gold 09-43845
2.5 h x 10.5 w ea



Black 09-43749
White 09-43750
3.5 h x 7.5 w ea



Black 09-43848
White 09-43849
1.25 h x 8.5 ea



Black 09-43850
White 09-43851
5 h x 20 w ea



Black 09-43852
White 09-43853
1 h x 14.25 w ea



Black 09-43765
White 09-43766
3 h x 6.75 w ea

CS

LOGO DECALS

CENTURION

CL-311-1-3/16 h x 10-3/4 w
P/N 09-43981 (Blk)
P/N 09-43982 (Wh)
. ea.

stationair

CL-137 - 1-1/2 h x 14-1/2 w
P/N 09-43983 (Blk)
. ea.

SKYMASTER

CL-359 - 1-1/2 h x 11-1/2 w
P/N 09-43985 (Blk)
P/N 09-43986 (Wh)
. ea.

SKYMASTER 337

CL-179 - 1-1/2 h x 15-1/8 w
P/N 09-43987 (Blk)
. ea.

Golden Eagle

CL-126 - 2-1/2 h x 13-5/8 w
P/N 09-43989 (Blk)
. ea.

421 GOLDEN EAGLE

CL-299L R - 1-5/8 h x 24 w
09-43992 (Blk)
09-43994 (Gd)
. ea.

CHRISTEN HUSKY

CH-060 - 3/4 h x 7-1/4 w
P/N 09-43997 (Blk)
P/N 09-43998 (Wh)
. ea.



CR-031 - 6-3/8 h x 12 w
P/N 09-43999 (Blk)
P/N 09-44001 (Wh)
(up to 15 w)
. ea.

EXTRA 200

ET-001 - 1-3/4 h x 15-1/2 w
P/N 09-44002 (Blk)
P/N 09-44003 (Wh)
. ea.

EXTRA 300

ET-002 - 1-3/4 h x 15-1/2 w
P/N 09-44004 (Blk)
P/N 09-44006 (Wh)
. ea.



FU-002 - 4-3/4 h x 16-1/2 w
P/N 09-44007 (Blk)
P/N 09-44008 (Wh)
. ea.



GL-002L R - 4-1/2 h x 15 w
(Full Color on Tail)
P/N 09-44009
. ea.

GULFSTREAM

GL-016 - 3/4 h x 5-1/2 w
P/N 09-44011 (Blk)
. ea.

Learjet

LE-001 - 3-1/8 h x 10-1/4 w
P/N 09-44013 (Blk)
P/N 09-44014 (Wh)
. ea.

Meyers 200

MR-001 - 1 h x 5-1/2 w
P/N 09-44016 (Blk)
P/N 09-44017 (Wh)
. ea.

MOONEY Ranger

ML-053L R - 1-1/2 h x 9 w
P/N 09-44018 (Blk)
. ea.

Mooney 201

ML-037 - 1-1/4 h x 8-3/4 w
(Black, White or OPT. Wing Tip)
P/N 09-44021 (Blk)
P/N 09-44022 (Wh)
. ea.

Turbo Mooney 231

ML-017 - 1-3/4 h x 18 w
P/N 09-44023 (Blk)
. ea.



ML-012 - 1-1/2 h x 4-1/4 w
P/N 09-44026 (Blk)
P/N 09-44027 (Wh)
. ea.



NL-004 - 3-1/4 h x 12 w
P/N 09-44028 (Blk)
P/N 09-44029 (Wh)
. ea.

Tel Pacer

PL-128 - 2-1/4 h x 18-1/2 w
P/N 09-44031 (Blk)
P/N 09-44032 (Wh)
. ea.

LANCE

PL-248 - 1-1/2 h x 10 w
P/N 09-44033 (Blk)
. ea.

LANCE II

PL-073 - 1-5/8 h x 14-1/4 w
P/N 09-44036 (Blk)
P/N 09-44037 (Wh)
. ea.

APACHE

PL-116 - 2-3/8 h x 10-7/8 w
P/N 09-44038 (Blk)
P/N 09-44039 (Wh)
. ea.

aztec

PL-058 - 1-3/4 h x 3-1/2 w
P/N 09-44041 (Blk)
P/N 09-44042 (Wh)
. ea.

DAKOTA

PL-0191 - 1/8 h x 9-1/2 w
P/N 09-44043 (Blk)
. ea.

SEMINOLE

PL-020 - 1-1/2 h x 15 w
P/N 09-44046 (Blk)
. ea.

NAVAJO

PL-091 - 3 h x 23-1/2 w
P/N 09-44048 (Blk)
. ea.

CHIEFTAIN

PL-083 - 2 h x 20-5/8 w
P/N 09-44051 (Blk)
. ea.



RL-018 - 6-1/2 h x 7 w
P/N 09-44053 (Blk)
. ea.

Commander 112

RL-027 - 3 h x 21-1/2 w
P/N 09-44056 (B/W)
. ea.

Commander 112B

RL-016 - 3 h x 16-1/2 w
P/N 09-44058 (B/G)
. ea.

Commander 112TC

RL-025 - 2-7/8 h x 22-1/2 w
P/N 09-44061 (B/W)
. ea.

VELOCITY

VL-005 - 3 h x 13 w
P/N 09-44063 (Blk)
P/N 09-44064 (Wh)
. ea.



WL-004 - 3-1/4 h x 15-1/4 w
P/N 09-44066
(Black, Gold, Red)
. ea.

Barracuda

HB-017 - 2 h x 2-1/2 w
P/N 09-44069 (Blk)
. ea.

COYOTE

HB-038 - 2-1/4 h x 12 w
(Wing Tip) 09-44072 (Blk)
. ea.



HB-139 - 3-3/4 h x 19 w
P/N 09-44076 (Wh)
. ea.



HB-124 4- 1/2 h x 16-1/2 w
P/N 09-44077 (Blk)
P/N 09-44078 (Wh)
. ea.



HB-126 - 8 h x 24-1/4 w
P/N 09-44079 (Blk)
P/N 09-44080 (Wh)
. ea.

KITFOX

HB-023 - 1 h x 4-1/4 w
P/N 09-44082 (Blk)
. ea.



HB-027 - 2-1/2 h x 12 w
P/N 09-44084 (Blk)
. ea.



HB-102 - 2-1/2 h x 14-3/4 w
P/N 09-44087 (Blk)
P/N 09-44088 (Wh)
. ea.



HB-046 - 3-1/8 h x 10-7/8 w
P/N 09-44089 (Blk)
. ea.



HB-090 - 3-1/4 h x 12-1/2 w
P/N 09-44091 (Blk)
. ea.



HB-125 - 2-1/2 h x 8-1/2 w
P/N 09-44093 (Blk)
P/N 09-44094 (Wh)
. ea.



HB-104 - 5-1/2 h x 28 w
P/N 09-44097 (Multi-color)
. ea.

RANS S7

HB-057 - 3-1/4 h x 25-1/4 w
P/N 09-44101 (Blk)
. ea.

RANS S10

HB-057 - 3-1/4 h x 25-1/4 w
P/N 09-44103 (Blk)
. ea.



HB-098L R - 5-1/4 h x 13 w
P/N 09-44106 (Blk)
P/N 09-44107 (Wh)
. /pr



HB-097L R - 5-1/4 h x 13 w
P/N 09-44108 (Blk)
P/N 09-44109 (Wh)
. ea.



HB-096L R - 5-1/4 h x 13 w
P/N 09-44111 (Blk)
P/N 09-44112 (Wh)
. ea.



HB-015 - 3 h x 6-1/2 w
P/N 09-44113 (Blk)
. ea.



HB-016 - 2 h x 12 w
P/N 09-44116 (Blk)
. ea.



HB-035 - 1-1/4 h x 6-7/8 w
P/N 09-44118 (Blk)
. ea.

ZENAIR

HB-065 - 1-1/4 h x 8-1/2 w
P/N 09-44121 (Blk)
P/N 09-44122 (Wh)
. ea.

ROBERTSON/STOL

MS-070 - 2-1/2 h x 20 w
P/N 09-44126 (Blk)
. ea.



MS-050 - 3-1/2 h x 3-1/2 w
09-44128 (Blk)
. ea.



MS-061 - 3 h x 3-1/2 w
P/N 09-44131
White lettering on red.
. ea.



MS-061 - 3 h x 3-1/2 w
P/N 09-44133 (Rd)
P/N 09-44134 (Wh)
. ea.

LOGO DECALS



AC-001 - 7 h x 8 w
P/N 09-01967
White, Blue, Yellow
. ea



AC-002 - 7 h x 8 w
P/N 09-43221
White, Red, Black
. ea

CHAMP

AL-007 - 1 h x 8-1/8 w
. ea
P/N 09-43922 (Blk), 09-43923 (Wh), 09-43926 (Silver)

Sundowner

BE-021- 1/2 h x 12 w
. ea
P/N 09-43927 (Blk), 09-43928 (Wh)

Sierra

BE-030- 4.75 h x 14.5 w
. ea
P/N 09-43929 (Blk)

Decathlon

BL-065 - 2 h x 10-7/8 w
. ea
P/N 09-43932 (Blk), 09-43933 (Wh)

BELLANCA SUPERViking

BE-005 - 1.5 h x 18 w
White Left Right (pair)
P/N 09-43936
(Gold Wing Black type) Right Side
P/N 09-43934 ea



8 h x 7-3/4 w
P/N 09-43939
(Black, Red, Blue)
. ea
P/N 09-43940 (Black)
. ea



CL-089
2 h x 3-3/4 w
P/N 09-43941
(Full Color)
. ea



CL-225 - L R
P/N 09-43942 (Blk)
P/N 09-43943 (Wh)
6 h x 10-1/2 w . /pr



CL-071 - L R
P/N 09-43944 (Blk)
P/N 09-43945 (Wh)
6 h x 10-1/2 w . /pr



CL-071 - L R
P/N 09-43946 (Blk)
P/N 09-43947 (Wh)
6 h x 10-1/2 w . /pr



CL-257L R
P/N 09-43948 (Blk)
P/N 09-43949 (Wh)
6 h x 10-1/2 w . /pr



CL-112L R
P/N 09-43950 (Blk)
P/N 09-43951 (Wh)
6 h x 10-1/2 w . /pr



CL-340 - L R
P/N 09-43952 (Blk)
P/N 09-43953 (Wh)
6 h x 10-1/2 w . pr.



CL-214 - L R
P/N 09-43954 (Blk)
P/N 09-43955 (Wh)
6 h x 10-1/2 w . pr.



CL-487 - L R
P/N 09-43956 (Blk)
P/N 09-43957 (Wh)
6 h x 10-1/2 w . pr.



CL-032L R
P/N 09-43958 (Blk)
P/N 09-43959 (Wh)
6 h x 10-1/2 w . pr.

CESSNA 150

CL-454 (Black, White or OPT.)
P/N 09-43960 (Blk)
P/N 09-43961 (Wh)
1 h x 27 w . ea.

CESSNA 206

CL-164 (Black, White or OPT.)
P/N 09-43962 (Blk)
P/N 09-43963 (Wh)
1-1/2 h x 15-1/2 w . ea.

CESSNA 310

CL-297 (Black, White or OPT.)
P/N 09-43964 (Blk)
1-1/2 h x 10-1/4 w . ea.

CESSNA 340

CL-327 P/N 09-43966 (Blk/Wh)
P/N 09-43967 (Blk/Gd)
2 h x 3-3/4 w . ea.



CL-178 P/N 09-43968 (Black)
P/N 09-43969 (Silver)
1-1/8 h x 9 w . ea.

SKYHAWK II

CL-102 (Black, White or OPT.)
P/N 09-43972 (Blk), P/N
09-43973 (Wh)
1/3/4 h x 11-1/2 w . ea.
CL-485 (Black, White or OPT.)

Superhawk

P/N 09-43977 (Blk),
P/N 09-43978 (Wh)
4 h x 12.5 w . ea

AMERICAN FLAG DECALS

Sold In Pairs Only



STRAIGHT
P/N 09-429



SLANTED
P/N 09-430



WAVY
P/N 09-431

HGT.	STRAIGHT		SLANTED		WAVY	
	WIDTH	PRICE	WIDTH	PRICE	WIDTH	PRICE
4	7.5		7-1/2		4	
6	10.5		10-3/4		6	
8	14		14-1/2		8	
10	17.5		18-1/4		10	
12	20.5		21-1/4		12	

Please order by part number. Use basic part number at top of chart, and complete part number with height of decal. Example: Wavy flag, 8" high is P/N 09-43108. Prices per pair (left & Right).

STARS & BARS



1943
Between 29 June and 14 August, the official national insignia incorporated white sidebars and an overall red surrounding.



1943-1947
The red surround of the official insignia was quickly changed to a blue surround. During its 4 years use this insignia appeared on more aircraft than all its predecessors combined.



1947-Present
With the reorganization of the Defense Department and the creation of the USAF, red bars were added to the official national insignia. A variation of this insignia appears officially without the blue surround on F-15 aircraft.

P/N 09-432

P/N 09-433

P/N 09-434

STYLE 4A STYLE 6A



1917, 1921-1941 1942-1943
Introduced prior to the American entry into World War I and officially adopted after the war. Some aircraft in the European and Mediterranean theaters unofficially incorporated a yellow surround in British style.

P/N 09-436-- P/N 09-439--

PRICING

SIZE	Style 1	Style 2	Style 3	Style 4A	Style 6A
10"					
15"					
20"					
25"					
30"					
35"					

Please order by part no. Use basic part no. under each style number and complete part no. with size of decal. Example: Style 3 decal in 25" size is P/N 09-43425

CESSNA Piper

Size 2-1/2" x 15"

Size 2-1/2" x 11"

Distinctive aircraft identification names, either stencils for painting or black vinyl lettering for easy press-on application.

Aircraft	Vinyl		Stencils	
	Part No.	Price/Set	Part No.	Price/Set
Cessna	09-33800		09-33900	
Piper	09-34000		09-34100	

PROPELLER DECALS

Sold In Pairs Only



09-42830 pr.



09-42832 pr.



09-42834 pr.



09-42836 pr.



09-42838 pr.



09-42840 pr.

CS

DECALS - PLACARDS



U.S. FLAG DECALS

Proudly display the Red, White, Blue. Colorful vinyl pressure-sensitive U.S. Flag decals in right left hand pattern.

2.5 x 4 P/N 13-01485
4 x 6.5 P/N 09-35400
6 x 10.5 P/N 09-35500

AIRCRAFT SPRUCE LOGO DECALS



These royal blue on white self-adhesive oval shaped decals of the Aircraft Spruce Specialty Company logo look great on your airplane, bumper, reference

books, etc. Available in 3 sizes.

4 wide P/N 09-40400FREE
8 wide P/N 09-40410FREE
18 wide P/N 09-40420FREE



AIRCRAFT SPRUCE PATCH

This is an embroidered patch, oval in shape, and approximately 3-1/2", colors are Red/White/Blue. P/N 13-02703

CHECKLIST PLACARDS

CHECK LIST GUIDE		
FIXED GEAR - FIXED PROP		
BEFORE START ENGINE PRELIGHT AIRCRAFT SAFETY BELT - ON PARKING BRAKE - AS REQ'D CONTROLS - FREE CARBURETOR AIR - COLD (OFF) MIXTURE - FULL RICH FUEL - ON - CHECK QUANTITY ELEC. SWITCHES - CHECK COWL FLAPS - OPEN MASTER SWITCH (BAT & GEN) - ON IGNITION SWITCH - ON BOTH START ENGINE (REF. ACT. MANUAL FOR START PROC. & USE OF AUX. FUEL PUMP) CHECK OIL PRESS. (30 SEC.)	BEFORE TAKE OFF BRAKES - CHECK ON BOTH INSTRUMENTS - CHECK SET FUEL - PROPER (AMPS) TRIM TABS - TAKE OFF POSN. ENGINE CHECK OIL PRESS. & TEMP. CARB. AIR (FOR ICE) MAGNETOS - CHECK ON BOTH CARBURETOR AIR - COLD (OFF) FLAPS - AS REQUIRED HUP AT REQUIRED CONTROLS - CHECK & VISUAL WINDOWS & DOORS - CHECK CLEAR RUNWAY & AREA	BEFORE LANDING GAS (FUEL) - PROPER (AMPS) MIXTURE - FULL RICH AUX. FUEL PUMP (ON - IF APP.) CARBURETOR AIR - AS REQ'D FLAPS - AS REQUIRED TIME - AS REQUIRED AFTER LANDING FLAPS - UP (CLEAR OF RUNWAY) STOP ENGINE - NEXT FUEL LEAN IGNITION SWITCH - OFF ELEC. SWITCHES - ALL OFF PARKING BRAKE - IF REQ'D

Fixed gear, Fixed prop
P/N 09-42816

CHECK LIST GUIDE		
FIXED GEAR - VARI. PROP		
BEFORE START ENGINE PRELIGHT AIRCRAFT SAFETY BELT - ON PARKING BRAKE - AS REQ'D CONTROLS - FREE CARBURETOR AIR - COLD (OFF) MIXTURE - FULL RICH FUEL - ON - CHECK QUANTITY ELEC. SWITCHES - CHECK COWL FLAPS - OPEN MASTER SWITCH (BAT & GEN) - ON IGNITION SWITCH - ON BOTH START ENGINE (REF. ACT. MANUAL FOR START PROC. & USE OF AUX. FUEL PUMP) CHECK OIL PRESS. (30 SEC.)	BEFORE TAKE OFF BRAKES - CHECK ON BOTH INSTRUMENTS - CHECK SET FUEL - PROPER (AMPS) TRIM TABS - TAKE OFF POSN. PROPELLER - EXERCISE SET - FULL RPM ENGINE CHECK OIL PRESS. & TEMP. CARB. AIR (FOR ICE) MAGNETOS - CHECK ON BOTH CARBURETOR AIR - COLD (OFF) FLAPS - AS REQUIRED HUP AT REQUIRED CONTROLS - CHECK & VISUAL WINDOWS & DOORS - CHECK CLEAR RUNWAY & AREA	BEFORE LANDING GAS (FUEL) - PROPER (AMPS) MIXTURE - FULL RICH PROPELLER - FULL RPM AUX. FUEL PUMP (ON - IF APP.) CARBURETOR AIR - AS REQ'D FLAPS - AS REQUIRED TIME - AS REQUIRED AFTER LANDING FLAPS - UP (CLEAR OF RUNWAY) COWL FLAPS - OPEN PROPELLER - FULL RPM STOP ENGINE - NEXT FUEL LEAN IGNITION SWITCH - OFF ELEC. SWITCHES - ALL OFF PARKING BRAKE - IF REQ'D

Fixed gear, Variable prop
P/N 09-42818

CHECK LIST GUIDE		
RETRACT GEAR - VARI. PROP		
BEFORE START ENGINE PRELIGHT AIRCRAFT SAFETY BELT - ON PARKING BRAKE - AS REQ'D CONTROLS - FREE CARBURETOR AIR - COLD (OFF) MIXTURE - FULL RICH FUEL - ON - CHECK QUANTITY ELEC. SWITCHES - CHECK COWL FLAPS - OPEN MASTER SWITCH (BAT & GEN) - ON IGNITION SWITCH - ON BOTH START ENGINE (REF. ACT. MANUAL FOR START PROC. & USE OF AUX. FUEL PUMP) CHECK OIL PRESS. (30 SEC.)	BEFORE TAKE OFF BRAKES - CHECK ON BOTH INSTRUMENTS - CHECK SET FUEL - PROPER (AMPS) TRIM TABS - TAKE OFF POSN. PROPELLER - EXERCISE SET - FULL RPM ENGINE CHECK OIL PRESS. & TEMP. CARB. AIR (FOR ICE) MAGNETOS - CHECK ON BOTH CARBURETOR AIR - COLD (OFF) FLAPS - AS REQUIRED HUP AT REQUIRED CONTROLS - CHECK & VISUAL WINDOWS & DOORS - CHECK CLEAR RUNWAY & AREA	BEFORE LANDING GAS (FUEL) - PROPER (AMPS) MIXTURE - FULL RICH PROPELLER - FULL RPM AUX. FUEL PUMP (ON - IF APP.) CARBURETOR AIR - AS REQ'D FLAPS - AS REQUIRED TIME - AS REQUIRED AFTER LANDING FLAPS - UP (CLEAR OF RUNWAY) COWL FLAPS - OPEN PROPELLER - FULL RPM STOP ENGINE - NEXT FUEL LEAN IGNITION SWITCH - OFF ELEC. SWITCHES - ALL OFF PARKING BRAKE - IF REQ'D

Retractable gear, variable prop
P/N 09-42820

FLIGHT PLAN SEQUENCE	
1. TYPE FLIGHT PLAN	2. REMARKS
3. TIME & EQUIPMENT	4. TIME ARRIVAL
5. TIME AIR UNITS	6. ALTITUDE
7. DEPARTURE POINT	8. NAME
9. DEPARTURE TIME	10. PEOPLE ON BOARD
11. ALTITUDE	12. COLOR
13. DESTINATION	

Flight Plan Sequence
09-42822

EMERGENCY ENGINE CHECKLIST	
1. ESTABLISH GLIDE	2. SWITCH TANKS
3. MIXTURE RICH	4. CARB. HEAT
5. BOOST PUMP	6. PRIMER LOCKED
7. CHECK MAGS.	

Emergency
09-42826

Altitude	Speed	Time	Distance	Altitude	Speed	Time	Distance
1000	100	1:00	10.0	1000	100	1:00	10.0
2000	100	2:00	20.0	2000	100	2:00	20.0
3000	100	3:00	30.0	3000	100	3:00	30.0
4000	100	4:00	40.0	4000	100	4:00	40.0
5000	100	5:00	50.0	5000	100	5:00	50.0
6000	100	6:00	60.0	6000	100	6:00	60.0
7000	100	7:00	70.0	7000	100	7:00	70.0
8000	100	8:00	80.0	8000	100	8:00	80.0
9000	100	9:00	90.0	9000	100	9:00	90.0

VFR minimums
09-42824

TRANSPONDER CODES	
0000 - NEVER USE	1200 - VFR
7600 - LOSS COMM.	7700 - EMERGENCY

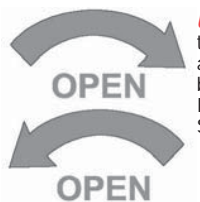
Transponder Codes
09-42828

INSTRUCTIONAL USE ONLY

INSTRUCTIONAL USE ONLY PLACARD - Used on Part 103 exempted 2-seat ultralights. Available in pre-spaced vinyl lettering in your choice of colors. Size 3 x 10
Vinyl Lettering P/N 09-43901

CAUTION HOT EXHAUST

HOT EXHAUST - Black red on white decal. Measures 1.5 x 4. A must where muffler can be accidentally touched or brushed up against during aircraft servicing or entry.
P/N 09-43902



OPEN ARROWS - Custom computer cut decals to indicate operation of door handles. Specify arrow CW or arrow CCW. Arrow and OPEN can be separated and individually positioned. Color: Red. Call for quote on custom size and colors. Standard size: 2 x 3-1/2.

Clockwise..... P/N 09-43903.....
Counter clockwise.. P/N 09-43904.....
Custom Color..... add \$1.00

SOLO FROM FRONT SEAT ONLY

SOLO SEATING PLACARDS - Silkscreened in red ink on white all weather vinyl. Placards for solo from front or rear seat (specify). Size: 1 x 3.
Front Seat Solo..... P/N 09-43906.....
Rear Seat Solo..... P/N 09-43907.....

RECOMMENDED AIRSPEEDS	
LOWEST DESCENT	SHALLOWEST GLIDE
HIGHEST FLIGHT TIME	HIGHEST MILES PER GAL
STEEPEST CLIMB	ECONOMY CRUISE
BEST RATE OF CLIMB	NORMAL CRUISE
CROSS CLIMB	

RECOMMENDED AIRSPEEDS - Black on white vinyl. May be written on with a fine point indelible marker. Provides space for all your most important airspeeds. Size: 3.5 x 4.5
P/N 09-43908

OPEN WINDOW TO HERE ONLY

WINDOW PLACARD - Black on white vinyl. Specify left arrow or right arrow. Size: 3/4 x 3.
Left P/N 09-43909.....
Right..... P/N 09-43911.....

STATIC AIR VENT KEEP CLEAN

STATIC AIR - Black on white vinyl. U-V coated, fuel resistant. Used to mark location of static air vents. Size: 3/4 x 1.
P/N 09-43912

CANOPY RELEASE

CANOPY RELEASE - Black on white vinyl. Marks location of emergency release mechanisms for doors or canopies. Size: 7/8 x 3-1/8.
Canopy..... P/N 09-43913.....
Door..... P/N 09-43914.....

OIL INJECTION CHECK OIL RES. BEFORE FLIGHT 2-Cycle oil ONLY

OIL INJECTION PLACARD - Black on white vinyl. Used on oil injected Two-Stroke engines. U-V and Fuel resistant. Size: 1 x 2-1/3.
P/N 09-43916

DRAIN ALL FUEL SUMPS BEFORE FLIGHT

DRAIN SUMPS - Black on white vinyl. U-V and Fuel resistant. Size: 1 x 2.
P/N 09-00348.....

FUEL DRAIN

FUEL DRAIN LOCATOR - Black on white vinyl. Used to locate fuel drain petcocks on aircraft. U-V Fuel resistant. Size: 1/2 x 2.
P/N 09-43917

EMERGENCY FIRE EXTINGUISHER

FIRE EXTINGUISHER - Black Red on white vinyl. Used to locate extinguisher in emergency. Size: 2 x 3.5
P/N 09-43918

EMERGENCY BALLISTIC CHUTE

BALLISTIC CHUTE - Black red on white vinyl. Used to locate Ballistic Chute Handle in emergency. Size: 2 x 3.5.
P/N 09-43919.....

NO STEP

NO STEP DECAL - No Step, 1 x5 Decal-black letters
P/N 1040.....

DECALS - PLACARDS



NAMEPLATE

All amateur-built aircraft must have a nameplate. Etch or stamp required data on this indestructible stainless steel nameplate. Conforms to FAA requirements. Size: 3 x 4-1/4 .
P/N 09-01997 ea

STAINLESS STEEL ID TAG

Suitable for all aircraft. Made of .0014 acid-etched stainless steel. Size: 3 x 2 .
P/N 09-00761 ea



EXPERIMENTAL Single-piece decal with adhesive back. No need to line up 12 individual letters. One-step operation. Just remove protective backing and apply to any clean surface. 2 black letters on clear Mylar base. Decal Size: 2-1/4 x 19 .
Set of 2 P/N 09-33400 ea

LIGHT-SPORT **LIGHT-SPORT DECALS** - Similar to our EXPERIMENTAL Decals, complies with marking requirements for LSA. Available in: 2 x 14-1/4

Black on Clear P/N 09-00762
Black on White P/N 09-00782
White on Clear P/N 09-00783 ea

NO STEP Bright red on white vinyl. Letters are 1 high. Decal size: 1-3/8 x 4-3/8 .
P/N 09-33500 ea

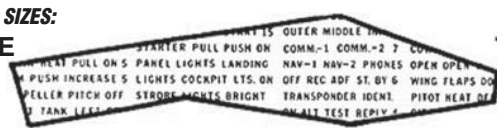
NO STEP 1 x5 Decal-black letters.
P/N 1040 ea

PANEL MARKING SETS

ACTUAL TYPE SIZES:

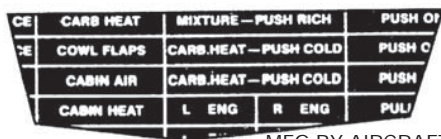
THROTTLE

THROTTLE



DRY TRANSFER TYPE - Over 200 pressure sensitive labels and words conveniently grouped for ease of transfer to airplane controls or instrument panel. Available in two type sizes (see illustration) and in black or white lettering (specify).

Large Black P/N 09-34600 Large White P/N 09-34700
Small Black P/N 09-34800 Small White P/N 09-34900
Set



MFG BY AIRCRAFT SPRUCE

SELF-ADHESIVE VINYL TYPE - White lettering on black background. Just cut, peel and press in place. Includes 349 of the most commonly used cockpit identifications and symbols (avionics, electrical, engine and aircraft controls) plus 248 numbers . letters. The most complete selection available.
P/N 09-35000 Set



HOMEBUILDERS TYPE - Self-adhesive vinyl markings for the Long-EZ but applicable to many other aircraft. P/N 01-37800 Set



P/N 09-34200

P/N 09-34300



P/N 09-34400

P/N 09-34500

SOFT ALUMINUM DECALS -

Soft Aluminum Decals Letters are 1-1/4 H X 3-3/4 L with black lettering. . ea.



Actual Size of the Vinyl Placards: 4.25" w x 1.125" h



Actual Size of the Dry Transfer Placards: 3.25" w x .75" h

PASSENGER WARNING PLACARDS

These Passenger Warnings must be displayed in the cockpit of all amateur-built aircraft.

The dry transfer passenger warning placards available in black, white lettering. Simply remove the protective backing and rub on the desired area.

The vinyl placard has brilliant red lettering on a white background. Simply remove the paper backing and apply.

Lettering	Background	Type	Part No.	Price
Red	White	Vinyl Placard	09-33300	
Black	Clear	Dry Transfer Placard	09-33310	
White	Clear	Dry Transfer Placard	09-33320	

PASSENGER WARNING

THIS AIRCRAFT IS AN EXPERIMENTAL LIGHT-SPORT AIRCRAFT AND DOES NOT COMPLY WITH THE FEDERAL SAFETY REGULATIONS FOR STANDARD AIRCRAFT

PASSENGER WARNING DECALS

E-LSA-

P/N 09-01966 ea

S-SLA -

P/N 09-01968 ea

PASSENGER WARNING

THIS AIRCRAFT IS A SPECIAL LIGHT-SPORT AIRCRAFT AND DOES NOT COMPLY WITH THE FEDERAL REGULATIONS FOR STANDARD AIRCRAFT

FUEL OCTANE DECALS

MIN. FUEL OCT.
80/87

MIN. FUEL OCT.
100/130

Handsome vinyl placards have brilliant red lettering on a white background. Simply remove paper backing and apply. Size: 1 x 2-7/8 .

80/87 red on white P/N 09-33610 pr.

80/87 green on clear P/N 09-33615 pr.

100/130 red on white P/N 09-33700 pr.

100/130 red on clear P/N 09-33710 pr.

AIRCRAFT IDENTIFICATION DATA PLATES

AIRCRAFT IDENTIFICATION

N NUMBER

BUILDER

MODEL

SERIAL NUMBER

We offer the Aircraft I.D. Plates required by the FAA for all aircraft. This 1 x3 plate is thin aluminum, black anodized. Comes engraved with your aircraft model serial numbers and ready to install on the aircraft. Specify Builder, Model, Serial No., N numbers.

Experimental P/N 09-40000 ea

Factory Built P/N 09-00447 ea

FUEL PLACARDS



09-42803



09-42802



80 Octane-half red/blue, round.

P/N 09-42804 ea

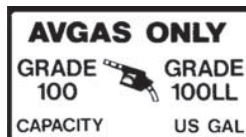
100 Octane, Low Lead Only

Blue

P/N 09-42806 ea

100 Octane Only

P/N 09-42808 ea



09-42801 pr.

USE 100/130 OCTANE FUEL ONLY

09-42810 ea.



Yellow on Black. Size: 1-1/4 x5

P/N 09-01141 /pair

FUEL
80/87 MIN. GRADE
AVIATION GASOLINE
or
UNLEADED AUTO GASOLINE
87 MIN. ANTIKNOCK INDEX
PER ASTM SPEC D-439

09-42814 ea

CS

PLACARDS – STENCILS – VINYL LETTERS

PLACARDS

SPINS PROHIBITED		FASTEN SEAT BELT	
5/8 x 3-1/4 .P/N 09-42842	1 x 5	P/N 09-42850	
1 x 5 ...P/N 09-42844	ea	5/8 x 3-1/4 ...P/N 09-42848	ea
NO LIFT		NO STEP	
1 x 3 09-42858.....	1 x 3 09-42852.....	NO PUSH	
EXPERIMENTAL		INOPERATIVE	
1 x 5 .....09-42856	ea	1/4 x1-3/4 ...09-42862.....	ea
NO SMOKING		LIFT HERE	
1 x 4 .....09-42846.....	ea	1 x 3 .....09-42860	ea

All the placards & decals on this page are produced on long lasting **UV coated pressure sensitive adhesive vinyl**. They are computer cut using no clear background so they won't yellow. These are all top quality decals which will enhance your aircrafts looks for years to come. Do not settle for "cheap" imitations.

12-INCH STENCIL NUMBER STRIP

Highly recommended as the easiest and most effective way to apply painted 12 stenciled N numbers on any aircraft. These come pre-spaced and aligned horizontally or vertically and assure a professional looking job. Shipped factory-direct to you within 48 hours. Provide exact N number when ordering. Special order - Non-returnable. Please specify horizontal or vertical. 6 Characters on each strip or less. Made of Vinyl.

12 Strip (straight) (right/left).....	P/N 09-00287	set
12 Strip (slanted) (right/left).....	P/N 09-00288	set

3-INCH STENCIL STRIP

Vertical or horizontal lettering individually spaced and aligned. Advise number. Stencils will be made-to-order and shipped in about two weeks.

Straight Set of 2 (Right/Left).....	P/N 09-00289	set
Slanted Set of 2 (Right/Left).....	P/N 09-00290	set

INDIVIDUAL FIGURE STENCILS

N4804K N2510T N6979N
N425WT N100MD N51ER

Precut sticky paper masks for spraying registration numbers. Used by Piper and other aircraft manufacturers. Order two of each character for vertical stencils. Slanted stencils are furnished in pairs (R/L), so order one pair of each character. Order by part number. For last digit, put in number or letter needed.

3 Inch Vertical Figures.....	P/N 09-3280x	Ea
12 Inch Vertical Figures.....	P/N 09-3290x	Ea
12 Inch Slanted Figures.....	P/N 09-3300x	Pr

Painting Options: These stencils offer you two methods of spraying lettering incorporated in a single stencil.

You can: (1) Letter after the body color has been applied or (2) Letter before the body color has been painted. This second method provides recessed, protected lettering and eliminates masking.

LETTERING & NUMBERS

For any use. Available in over 40 type styles. Most colors available.

Cap Size(In.)	In Stock Colors	Slanted or Reversed	Reflective & Metallic
3/4	.40	.45	N/A
1	.75	.80	.80
1-1/2	.75	.80	.80
2	1.00	1.05	1.05
2-1/2	1.00	1.05	1.05
3	1.35	1.40	1.40
4	1.35	1.40	1.40
4-1/2	1.50	1.55	1.55
5	1.50	1.55	1.55
6	1.80	1.85	1.85
7	2.25	2.30	2.30
8	2.50	3.00	3.00
9	4.00	4.50	4.50
10	5.00	5.50	5.50
12*	6.75	7.05	7.05

*Numbers excluded

12-INCH VINYL N NUMBER STRIP

The fastest and easiest way to apply registration numbers. These numbers come pre-spaced and aligned and are ready to apply in one simple operation. These are top quality numbers which are shipped factory direct to you within 48 hours. Provide exact N number when ordering. 6 Characters max. on each) Color choices are black, white, red, blue, or gold. Standard type style is helvetica. Military block, drop shadow, or outline styles are also available. Please specify your N number, color, orientation, and print style in the special instructions of the online order form. Colors Available: * Black * White * Tomato Red (Light Red) * Cardinal Red (Dark Red) * Olympic Blue (Sky Blue) * Bright Blue * Sapphire Blue * Light Navy * Metallic Gold * Metallic Silver * Green * Brown

Note: Drop Shadow style is double the cost due to it being two colors. Straight 12 Strip (6 Characters max. on each)

P/N 09-41910..... pr.

Slanted 12 Strip (6 Characters max. on each)

P/N 09-41922 pr.

12-INCH INDIVIDUAL VINYL NUMBERS

We now offer new 12 vinyl N numbers as now required for return flight to the U.S. from foreign countries. Available in black, gold, red, white or blue. Numbers are slightly slanted. Basic part number is 09-387xx. Second to last digit is for color. 1 Black, 6 Gold, 7 Red, 8 White, 9 Blue. For last digit, put in number or letter needed.

See our website for a complete listing of Part Numbers

Slanted 12 Individual #s.....\$10.25 / pair

3-INCH VINYL INDIVIDUAL NUMBERS & LETTERS

Individual vertical numbers and letters. Pressure sensitive vinyl for easy application. Black only. No slanted numbers available. Basic part no. is 09-3310x. For last digit, put in number or letter needed. ea. Helvetica Straight.....\$4.50/letter Helvetica Slanted.....\$5.25/letter Monument Block.....\$9.00/letter Monument Block Slant..\$9.00/letter



3" VINYL NUMBER STRIP

N Number Strips assure handsome registration numbering in minutes. Complete made-to-order 3 registration number on adhesive application strip individually spaced and aligned (NOT A FILM). Lay strip on aircraft and remove backing. Permanent number remains bonded to aircraft. A real time saver. Will outlast paint - look better. Available in black, white or gold. Vertical or horizontal lettering. 2-week delivery. Specify vertical or horizontal lettering and color. Colors Available: * Black * White * Tomato Red (Light Red) * Cardinal Red (Dark Red) * Olympic Blue (Sky Blue) * Bright Blue * Sapphire Blue * Light Navy * Metallic Gold * Metallic Silver * Green * Brown

3 Straight.....	Right	Left.....	P/N 09-00294	set
3 Slanted.....	Right	Left.....	P/N 09-00302	set

Letter styles available for your aircraft. 3" and 12" vinyl strips.

Monument Block	N6428L	Monument Block Slant	N6428L
Helvetica Block	N6428L	Helvetica Block Slant	N6428L
Military Block	N6428L	Military Block Slant	N6428L

CARDBOARD DIE-CUT ONE-PIECE STENCILS

	Size	Part No.	Price Each
EXPERIMENTAL	2 H x 18 L	09-32400	
NO STEP	2 H x 4-3/4 L	09-32500	
NO PUSH	1 H x 4-3/4 L	09-32600	
NO STEP	1 H x 4-3/4 L	09-32700	



TRACE-IT STENCIL SETS

Allows for stenciling of every letter and number. NOTE: Illustration is portrayal of item you actually receive - each kit contains 3, 12 and 24 sizes.

P/N 09-42831

AIRCRAFT PLACARD KITS

INTERIOR PLACARD KITS

These quality decal sets are designed to provide all the necessary placards for the interior of various production and homebuilt aircraft. These interior kits are color coordinated to match factory originals. Just cut the decals you want to use from the card and apply to the aircraft interior.

Standard colors for these kits are white letters on black background. With exception to the Grumman kits marked with *. Also, most kits are available special order in black on clear or white on clear

DESCRIPTION	P/N	PRICE
AVIONICS	09-00981	.
BEECHCRAFT		
MUSKATEER 19, 23	13-03954	.
24, 24R, SIERRA	13-03950	.
33, 35, 36 SERIES	13-03951	.
TWIN BONANZA	13-03953	.
BELLANCA		
CITABRIA/DECATHLON	13-03949	.
CESSNA		
120/140/150/152	09-44055	.
170/172/175	09-44060	.
177/177RG	13-03955	.
180/182/185	13-03956	.
190/195	09-01158	.
205/206/207	09-01963	.
210/210P	09-01010	.
310 H M P Q	09-01084	.
310 P-Q	09-01160	.
310 -D	09-01162	.
336/337	09-01191	.
ERCOUPE	09-01165	.
GROB		
SEAPLANE	09-01021	.
GRUMMAN		
AA1/AA1A	09-01168	.
AA1B/AA1C	09-01169	.
AA5/AA5A, AA5B	09-01170	.
COUGAR	09-01171	.
BARON	13-03952	.
PIPER		
PA-18 SUPER CUB	09-01176	.
PA-23 AZTEC SERIES	09-01184	.
PA-24 COMANCHE	09-01181	.
PA-28 140-181 CHEROKEE	09-01179	.
PA-28 235-236	09-01180	.
PA-28 R ARROW SERIES	09-00441	.
PA-30 TWIN COMANCHE	09-01183	.
PA-32 CHEROKEE-LANCE	09-01182	.
SARATOGA		
PA-34 SENECA SERIES	09-01185	.
PA-38 112 TOMAHAWK	09-01178	.
PA-44 SEMINOLE SERIES	09-01186	.
TRI-PACER	09-01177	.
WESTWIND	09-01046	.
UNIVERSAL INTERIOR	09-01197	.
	09-00634	.

80/87 OCT. MIN.
STC AUTO GAS

1-1/4 x 5-1/4
09-42812
. ea.

ENGINE OIL

ABOVE 40°F USE SAE 40 - BELOW 40°F USE SAE 30

TAC HOURS DATE

OIL CHANGED

OIL USED

DEFENDMENT: ☐ NON DEFENDMENT: ☐

ONLY USE OILS RECOMMENDED BY MAHLE/PCV/300L

09-42809 . ea.
or 10 for **\$3.57**

**80 100 OCTANE
ONLY**

09-42604 .ea

**80/87 OCTANE
ONLY**

09-42817 .ea

**100 OCTANE
ONLY**

09-42608 .ea

**JET FUEL
ONLY**

09-42821 .ea

EXTERNAL POWER
12 VOLT DC

1-5/16 x 2-11/16
09-42827 . ea.

EXTERNAL POWER
24 VOLT DC

1-5/16 x 2-11/16
09-42829 . ea.


WARNING
ONLY THE PILOT OF THIS
AIRCRAFT IS PERMITTED TO
OPEN - CLOSE - LOCK
THIS DOOR

09-42823 .ea

EXTERIOR PLACARD KITS

NO STEP
NO STEP
NO STEP
NO PUSH
NO PUSH
NO PUSH
NO PUSH
NO PUSH
NO PUSH

LEVEL POINT
HEAT TREATED ASSEMBLY
HEAT TREATED ASSEMBLY



AERO-D-CALS
P.O. BOX 1779 • TAMPA
LAKELAND AIRPORT, FL 33614
BONAFIDE 33-25-30

STATIC AIR
KEEP CLEAN

NOTICE
WING BOLTS ARE LUBRICATED
SEE MAINTENANCE MANUAL
FOR CORRECT TORQUE VALUES

NOTICE
WING BOLTS ARE LUBRICATED
SEE MAINTENANCE MANUAL
FOR CORRECT TORQUE VALUES

STATIC AIR
KEEP CLEAN

NOTICE
WING BOLTS ARE LUBRICATED
SEE MAINTENANCE MANUAL
FOR CORRECT TORQUE VALUES

NOTICE
WING BOLTS ARE LUBRICATED
SEE MAINTENANCE MANUAL
FOR CORRECT TORQUE VALUES

PULL TO
CHECK LATCH

PULL TO
CHECK LATCH


PULL TO OPEN

TIE DOWN

TIE DOWN

TIE DOWN

TIE DOWN

TURN  TO OPEN

JACK ATTACH POINT

JACK PAD

JACK PAD

PUSH TO OPEN

PUSH IN
TO OPEN


NOTICE
WING BOLTS ARE LUBRICATED
SEE MAINTENANCE MANUAL
FOR CORRECT TORQUE VALUES

NOTICE
WING BOLTS ARE LUBRICATED
SEE MAINTENANCE MANUAL
FOR CORRECT TORQUE VALUES

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WING BOLTS ARE LUBRICATED
SEE MAINTENANCE MANUAL
FOR CORRECT TORQUE VALUES

NOTICE
WING BOLTS ARE LUBRICATED
SEE MAINTENANCE MANUAL
FOR CORRECT TORQUE VALUES

LOCKED


OPEN 

Beechcraft

AIR CONDITIONED

RAVAR EQUIPPED

AVGAS ONLY




GRADE 100LL GRADE 100
CAPACITY

WITH WINGS LEVEL
UP TO 100 BOTTLE

FOR ALTERNATE FUELS SEE
PILOTS OPERATING HANDBOOK

AERO D-CALS



P.O. Box 1375 • 33007
LAKELAND AIRPORT, FL

54 US GAL (51 USEABLE) 54 US GAL (51 USEABLE)


40 US GAL (37 USEABLE) 40 US GAL (37 USEABLE)

35 US GAL (32 USEABLE) 35 US GAL (32 USEABLE)

30 US GAL (27 USEABLE) 30 US GAL (27 USEABLE)

20 US GAL 20 US GAL

EXTERNAL POWER
24 VOLT DC



OPEN

CAUTION
DO NOT INSERT
FUEL NOZZLE
MORE THAN 3 INCHES
INTO TANK

CAUTION
DO NOT INSERT
FUEL NOZZLE
MORE THAN 3 INCHES
INTO TANK

STEP

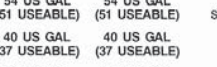
CAUTION
DO NOT
REMOVE WHEN
TOWING
TOW BAR
(11111)

**NO HANDLE
NO HANDLE**

FUEL CELL SUMP
DRAIN DAILY

FUEL CELL SUMP
DRAIN DAILY

EXTERNAL
POWER
12 VOLT DC



Beechcraft

Aircraft Model	P/N	Price
Helicopter (Universal)	09-44201	.
Single Engine (Universal)	09-44202	.
Mooney M20/21	09-44203	.
Piper PA28 Cher/Warrior/Archer II	09-44204	.
Piper PA32 Cher/Lance/Saratoga	09-44206	.
Piper PA32 Apache/Aztec	09-44207	.
Piper PA34 Seneca I/II/III	09-44209	.
Piper PA30/39 Twin Comanche	09-44211	.
Piper PA31T/42T Cheyanne	09-44205	.
Cessna 100/200	09-44213	.
Cessna 300 Series	09-44210	.
Cessna 400 Series	09-44220	.
Cessna 425/441	09-44235	.
Cessna Jet 500 Series	09-44245	.
Beech Bonanza V35	09-44216	.
Beech Baron 55/58	09-44251	.
Beech Duke 60	09-44217	.
Beech Queen Air 65/88	09-44218	.
Beech King Air 200/300	09-44250	.
Beech Jet 400 Series	09-44255	.
Exterior Kit Beech King Air	09-01956	.
Saber Jet 40/60	09-44219	.
Hawker Jet 500	09-44280	.
Westwind Jet 1100	09-44223	.
Gulfstream 690-1000	09-44224	.
Challenger Jet 600	09-44227	.
Falcon Jet 10/20	09-44228	.
Lear Jet 20 Series	09-44260	.
Lear Jet 30 Series	09-44265	.
Lear Jet 50 Series	09-44231	.
Rockwell 112/114	09-44232	.
Rockwell Gulf Stream 690	09-44233	.

Die cut decal kits are available on request. Call for quotation.