

ELECTRICAL

ELECTRICAL WIRE

Mil-W-22759/16 Conductor: Stranded tin-plated copper. Insulation: Extruded ETFE Tefzel. Temperature Rating: 150° C. Voltage rating 600 volts.



GAUGE	OD W/HOUSING	PART NUMBER	PRICE PER FOOT
22	.050	7019	0.29
20	.060	7020	0.39
18	.070	7021	0.42
16	.078	7022	0.53
14	.093	7023	0.60
12	.115	7024	0.65
10	.140	7025	1.25
8	.195	7026	1.75
6	.250	7027	2.50
4	.305	7028	3.10
2	.387	7029	4.13

SHIELDED ELECTRICAL WIRE

Shielded and jacketed aircraft wire conforms to MIL-C-27500. Incorporates MIL-W-22759/18 basic wire and features a Tefzel insulation, a shield of tin-plated copper braid and a jacket of Tefzel. It is temperature rated to 150° C and voltage rated at 600 volts.



GAUGE	OD W/HOUSING	PART NUMBER	PRICE FOOT
20	.086	7014	0.69
18	.100	7015	0.70
16	.102	7016	0.75
14	.130	7017	0.85
12	.143	7018	1.03
10	.180	7010	1.50

WIRE ELECTRICAL TINNED SHIELDED WIRE

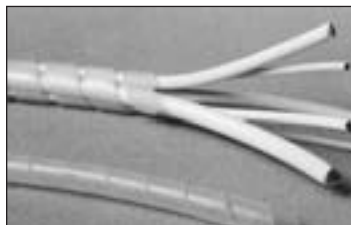
Aircraft grade. 4 CONDUCTOR, 22 GAUGE. White in color.



GAUGE	PART NUMBER	PER FOOT
22	M27500-22TG4	1.25

NYLON SPIRAL WRAP

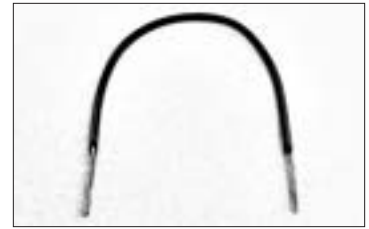
Heli-tube spiral wrap natural nylon is self-extinguishing. Meets UL94V-2 MIL-M-20693B Type 1. Temperature range -121° to 200° F. Bundle diameter range 3/16" to 2". For use in enclosed environments where the possibility of fire exists, nylon is also lightweight, and highly abrasion resistant.



O.D.	WALL THICKNESS	PITCH	PART NUMBER	PRICE P/FT
.250	.025	.375	HT1/4N	0.65

ELECTRICAL WIRE NON SHIELDED COLOR

Unshielded electric wire in choice of 4 solid colors: black, red, yellow or blue. Stranded tin-plated copper wire with extruded ETFE Tefzel insulation. Max temp: 150C. Rated 600V. Meets MIL-W-22759/16.



COLOR	OD W/HOUSING	PART NUMBER	PRICE PER FOOT
16 GAUGE			
BLACK	.078	BK7022	0.49
BLUE	.078	BL7022	0.53
RED	.078	RD7022	0.53
YELLOW	.078	YE7022	0.55
18 GAUGE			
BLACK	.070	BK7021	0.45
BLUE	.070	BL7021	0.42
RED	.070	RD7021	0.42
YELLOW	.070	YE7021	0.43
20 GAUGE			
BLACK	.060	BK7020	0.39
BLUE	.060	BL7020	0.39
RED	.060	RD7020	0.35
YELLOW	.060	YE7020	0.39
22 GAUGE			
BLACK	.050	BK7019	0.35
BLUE	.050	BL7019	0.29
RED	.050	RD7019	0.35
YELLOW	.050	YE7019	0.35

WIRE/ CIRCUIT PROTECTOR CHART- AN GAUGE COPPER

WIRE GAUGE	AMP C/B	AMP FUSE	WIRE GAUGE	AMP C/B	AMP FUSE
22	5	5	10	35,40	30
20	7.5	5	8	50	50
18	10	10	6	80	70
16	15	10	4	100	70
14	10	15	2	125	100
12	25,30	20	1		150

COPPER ELECTRIC WIRE CURRENT CARRYING CAPACITY

Wire Size Spec	Single wire in free air-max. amperers	Wire in conduit or bundled-max. amperers	Max. Resistance ohms 1,000 ft
AN-20	11	7.5	10.25
AN-18	16	10	6.44
AN-16	22	13	4.76
AN-14	32	17	2.99
AN10	55	33	1.20
AN-8	73	46	.70
AN-6	101	60	.436
AN-4	135	80	.274
AN-2	181	100	.179
AN-1	211	125	.146
AN-0	245	150	.114
AN-00	283	175	.090
AN-000	328	200	.072

ELECTRICAL

COAXIAL CABLE & ADAPTERS

RGT black vinyl cable has polyethylene insulation over tinned copper conductors. Standard for radio installation. Nominal o.d. .195".



DESCRIPTION	PART NUMBER	PRICE EACH
Cable priced per foot	RG58A/U	0.82
Male Plug	UG88/U	5.45
Female Jack	UG89/U	6.25
Angle Adapter	UG306A/U	13.89
Ferrite bead	F-59	0.59

PANEL JACKS

Made to Spec MIL-J-641, contact springs are of special alloys for long life; insulation is high-dielectric strength phenolic, tinned terminal lugs for easy soldering; short frame; mounts by 3/8-32 threaded bushing and nut; open circuit. Available in microphone jack which is circuit 1/2 oz. weight, or headphone jack which is circuit 1/3 oz. weight. Stereo is double open circuit, three conductor jack.



DESCRIPTION	PART NUMBER	PRICE EACH
Microphone	JJ-033	3.25
Headphone	JJ-034	2.75
Stereo	SJJ-034	1.99

PLUGS

Made to specification MIL-P-642A. Molded, cord mounting type. Screw-on shell.

Microphone plug is 3 circuit (tip, ring and sleeve), and takes JJ-033 mating jack.

Headphone plug is 2 circuit (tip and sleeve), and takes JJ-034 mating jack.



DESCRIPTION	PART NUMBER	PRICE
Microphone plug	PJ-068	10.68
Headphone plug	PJ-055B	7.94

WAX TIE CORD

Wax coated flat dacron tie cord used in tying up electrical wire. Black only.



DESCRIPTION	PART NUMBER	PRICE EACH
500 yd roll	WAX-TC	26.99

CABLE TIE MOUNT

Nylon cable tie mounting base used for securing wire bundles to flat surfaces. Insertion of cable ties may be made from all 4 sides. The mounts are attached to surfaces by means of its adhesive backing and/or a #8 screw (not incl). Size: 1.125" x 1.125"



DESCRIPTION	PART NUMBER	PRICE
CABLE TIE MOUNT	ABM4	0.58

PUSH-TO-TALK SWITCH

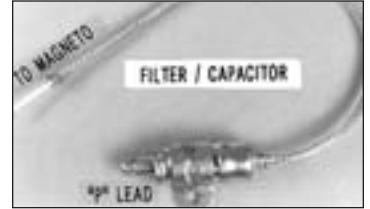
A professional looking PTT switch with a large red button, molded mike plug, velcro strap and 5 ft coiled cord. 2 yr mfg warranty by Pilot Avionics



DESCRIPTION	PART NUMBER	PRICE EACH
Push-to-talk Switch	PA50	33.78

IGNITION FILTER/CAPACITOR

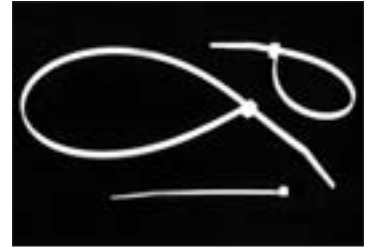
Eliminates all ignition noise. Connects to primary lead and ground at magneto. Easy disconnect for convenient servicing of mag. 10-32 screw terminal.



DESCRIPTION	PART NUMBER	PRICE EACH
Magneto filter	MF-3A	71.39

TY RAPS

Self-clinching cable ties. Acclaimed as the best and neatest way of bundling wire or fastening them to the airplane. These nylon straps will not vibrate loose. Slip ty-rap around wire bundle, with ribbed surface inside. Pull tight and clip off excess strap. Can be applied in tight quarters. Also available in Black - 8" only.



DIAMETER RANGE	PART NUMBER	PRICE EACH	PER 100
1/16" to 3/4"	TY-523M	0.19	
1/16" to 1-3/4"	TY-525M	0.20	
1/16" to 4"	TY-528M	0.25	
8" black	BCT-8	0.17	

CABLE TIE ASSORTMENT

A clear plastic containerized carrier is a very neat way for your customers to buy and store the most frequently used size and style of cable ties. The kit includes 200 each-4" 18 lb ties, the most widely used 100 each 7" 50 lb test ties and 100 each 11" 50 lb ties. The ties come in UV black or natural.



COLOR	PART NUMBER	PRICE
BLACK	CAP400-0	12.69
NATURAL	CAP400-9	13.50

TRADITIONAL CABLE TIES

These cable ties have parallel entry into an ultra low profile latching head, a totally snag proof smooth exterior and a pocket that captures the trimmed stub. When applied to the bundle the flexible head conforms to the contour of the bundle, never a cut off spike to injure an installer or technician and tensile strength always 90 lbs. or better Ties are made of nylon, Available color is UV black and tensile strength is 18 lbs.

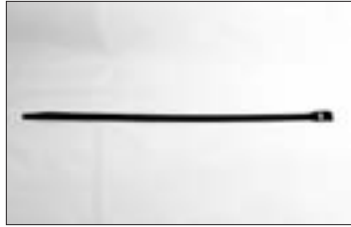


SIZE	PART NUMBER	PRICE
4"	C4180	2.25
6"	C6180	3.64
8"	C8180	4.50

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LOW PROFILE & INTERMEDIATE CABLE TIES

These cable ties have parallel entry into an ultra low profile latching head, a totally snag proof smooth exterior and a pocket that captures the trimmed stub. When applied to the bundle the flexible head conforms to the contour of the bundle, never a cut off spike to injure an installer or technician and tensile strength always 90 lbs. or better Ties are made of nylon, Available in natural & UV black.



SIZE	PER BUNDLE	COLOR	PART NUMBER	PRICE
5"	100	UV BLACK	C5400	3.50
7"	25	NATURAL	C750LP9	1.20
7"	25	UV BLACK	C750LP0	1.39
14"	10	UV BLACK	C14120LP0	1.99
14"	10	UV BLACK	C14120LP9	1.89

FLEXI-BLOCK TERMINAL KIT

Block assemblies can be custom made in seconds. Blocks are assembled on tape, pull quantity needed from dispenser carton, and insert onto track. Cut the strip of blocks and track with common hand tools. Track conforms to curved surfaces and has predrilled mounting holes. Rated to 105° C, both track and block are self extinguishing.

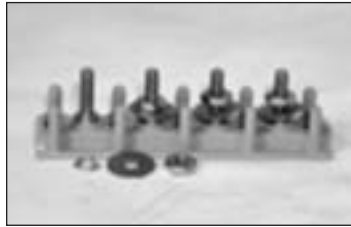


To assemble, cut number of blocks needed, plus 2 extra spaces to accommodate end stops. Slide block strip onto track, insert end top on each end. #6 blue, rated 15 amps/300 volts, maximum with 22-14 AWG range. Kit consists of 1 each 100 block assembly, 25 end stops and 2 standard track.

DESCRIPTION	PART NUMBER	PRICE EACH
Terminal kit	FBK-1	85.00

TERMINAL BOARD ASSEMBLY

Electrical terminal board has molded in corrosion resistant steel studs. Maximum temperature for terminal board is 445°. The terminal board is capable of withstanding 2500 volt RMS for 1 minute when applied between adjacent studs and between stud and ground without breakdown or flashover. Requirements: Minimum torque values: 6 stud - 22 lbs/in, 8 stud - 32 lb/in, 10 stud 40 lb/in. The molded integral stud shall not break, distort, or pull out of the terminal board before the minimum torque value is reached. Mounting hole sizes: 8-32 & 10-32 threads mount with #4 screw, 3/8 - 24 mounts with #6 screws. Each assembly includes the buss bar, and hardwares.



S covers must be ordered separately.

THREAD SIZE	NUMBER OF STUDS	LENGTH OVERALL	WIDTH INCHES	PART NUMBER	PRICE EACH
8-32	4	3.45"	.750"	MS27212-6-4	23.99
8-32	8	6.45"	.750"	MS27212-6-8	18.25
8-32	16	12.45"	.750"	MS27212-6-16	33.79
10-32	8	6.45"	.938"	MS27212-2-8	23.05
3/8-24	4	6.65"	1.250"	MS27212-5-4	39.34

BUSS BARS

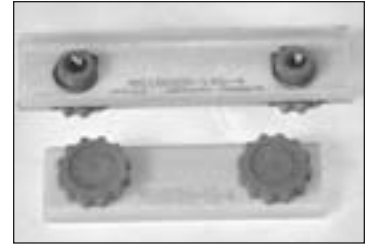
Replacement bars for the MS27212 board assembly. Order by thread and hole size.



THREAD	HOLE	PART NUMBER	PRICE EACH
8-32	4	MS25226-10-4	8.99
8-32	8	MS25226-10-8	8.70
8-32	16	MS25226-10-16	10.75
10-32	8	MS25226-4-8	7.90
3/8-24	4	MS25226-8-4	8.61

S COVER ASSEMBLY

Used to cover the terminal board assembly. Order separately not included in the assembly.



TERMINAL BOARD NUMBER USED WITH S COVER	PART NUMBER	PRICE EACH
MS27212-6-4	MS18029-6S-4	24.58
MS27212-6-8	MS18029-6S-8	24.66
MS27212-6-16	MS18029-6S-16	28.52
MS27212-2-8	MS18029-2S-8	24.66
MS27212-5-4	MS18029-5S-4	36.19

ELECTRICAL STAINLESS FLAT WASHER

Replacement washers for MS27212 board assembly. Type 304 stainless steel passivated QQ-S-766 for electrical applications.



DESCRIPTION	PART NUMBER	PRICE EACH
832 flat washer	MS14151-6	0.37
1032 flat washer	MS14151-2	0.23
3/8-24 flat washer	MS14151-5	0.35

ELECTRICAL STAINLESS HEX NUT

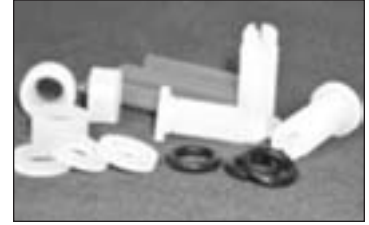
Replacement nuts used with MS27212 board assembly. Stainless steel passivated for electrical applications.



DESCRIPTION	PART NUMBER	PRICE EACH
832 hex nut	MS35649-284	0.37
1032 hex nut	MS35650-304	0.27
3/8-24 hex nut	MS35650-3384	1.72

CABLE BULKHEAD FEEDTHROUGHS

Available in EMI/RFI suppressing or non-suppressing models, these reusable polyethylene feedthroughs allow permanent or temporary mounting to panels for securing 3/16-1/4" cables passing through. Unit clamps securely to 1/2" RFI or 3/8" EMI models without tools. Safely clamps onto cable to prevent chafing, while tapered end holes allow flexing. Cables may be removed without removing unit from bulkhead. EMI/RFI models strip noise off of outer shell of coaxial cables by use of optional ferrite bushings.(included). EMI/RFI models may also be used in-line. Requires 3/8" mounting hole.



DESCRIPTION	PART NUMBER	PRICE EACH
EMI Suppressing: 20 per package	BDT-BX	33.80

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Homebuilders Terminal Kit



Features 24 popular sizes of terminals disconnects and connectors. Homebuilders kit includes 20 ea: R1881A, R1891S, R1903S, R1906S, R2442S, R5110, R5112, SS-22508, SS-22541, XSO9723S, XSO9024S, XSO9620S, SXO72985S, 5 ea: K5919S, K5920S, K5921, B1841BN, B1870BN, B1871BN, B1872BN, 4 ea: D8-14, E6-14, F4-516, G2-516 and 1 large plastic case.

DESCRIPTION	PART NUMBER	PRICE EACH
Homebuilders kit	HET-KIT	0.00

Professional Terminal Kit



Features 24 popular sizes of terminals disconnects and connectors. Includes 20 ea: R1881S, R1891S, R1903S, K5919S, K5920S, B1841BN, B1870BN, 10 ea: R1906S, R2442S, R5110, R5112, SS22508, SS22541, XSO9723S, XSO9024S, XSO9620S, XSO72985S, K5921, B1871BN, B1872BN 4 ea: D8-14, E6-14, F4-516, G2-516. Includes large plastic box.

DESCRIPTION	PART NUMBER	PRICE EACH
Professional terminal kit	ET-KIT	0.00

Insulated Ring Type Terminals



An assembly of a bare terminal fitted with a funneled copper insulation gripping sleeve and a tightly fitting insulation sleeve made from PVC or nylon. Most secure type of tongue style, the attaching screw or stud must be inserted through hole in tongue; terminal cannot fall off if nut loosens. MIL-T-7928.

WIRE RANGE	STUD SIZE	COLOR	PART NUMBER	PRICE EACH
22-18	6	Pink	R1881S	0.42
22-18	8	Pink	R1890S	0.41
22-18	10	Blue	R1891S	0.41
16-14	10	Blue	R1903S	0.41
16-14	1/4	Blue	R1906S	0.51
16-14	6	Blue	R2442S	0.51
12-10	1/4	Clear	R5110	0.45
12-10	3/8	Yellow	R5112	0.42
8	5/16	Red	R3033BF	0.65
6	5/16	Blue	R4003BF	0.85
6	1/4	Blue	R4010BF	0.89
4	1/4	Yellow	R5101BF	1.01
4	5/16	Yellow	R5102BF	1.05
4	3/8	Yellow	R5103BF	1.23
2	1/4	Pink	R8100BF	1.30
2	3/8	Pink	R8103BF	1.35
2	1/2	Pink	R8104BF	1.85

Insulated Min Spring Spade



Small size for tight spaces, provides connection security of ring with insertion ease of spade by not having to remove nut from screw or stud post. Small projection inside tongue fork provides snap-on mechanism "locking" terminal in place like ring terminal. Extra force required to remove which will not fall off stud or screw. Constructed of one burr-free EIP copper for highest conductivity, annealed to insure maximum installed strength with electro tine plated for maximum corrosion resistance. Each terminal clearly stamped for positive identification, color coded for wire range. Open end construction allows visual inspection of wire locations. Not mil spec.

WIRE RANGE	STUD SIZE	COLOR	PART NUMBER	PRICE EACH
22-18	8	Pink/Red	SS-22508	0.45
16-14	6	Blue	SS-22541	0.44

Insulated Quick Disconnects



MALE & FEMALE slip on terminals which are not attached by use of a stud, instead tongue of female part slips on mating male part or tab. Provides quick and easy disconnection of wires. Slip on terminals have excellent holding force due to detents and rolled edges on tongue of female. Constructed of one burr-free EIP copper for highest conductivity, annealed to insure maximum installed strength with electro tine plated for maximum corrosion resistance. Each terminal clearly stamped for positive identification, color coded for wire range. Open end construction allows visual inspection of wire locations. Not mil spec.

WIRE RANGE	TYPE	COLOR	PART NUMBER	PRICE EACH
16-14	female	Blue	XSO9723S	0.45
16-14	male	Blue	XSO9024S	0.45
12-10	female	Yellow	C572X	0.50
22-18	female	Red	XSO9620S	0.42

Insulated Knife Disconnects



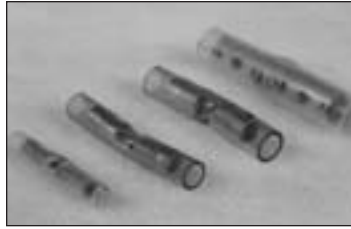
Always used in pairs, tongue is so shaped that two like parts are locked together, yet has advantage of quick disconnect. Connection will not pull apart; in fact, the harder the pull, the tighter the connection. Copper sleeve firmly grips wire insulation to protect against high vibration failures. Constructed of one burr-free EIP copper for highest conductivities, annealed to insure maximum installed strength with electro tine plated for maximum corrosion resistance. Each terminal clearly stamped for positive identification, color coded for wire range. Open end construction allows visual inspection of wire locations. Not mil spec.

WIRE RANGE	PART NUMBER	PRICE EACH
22-16	K5919S	0.66
16-14	K5920S	0.69
12-10	K5921	1.16

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INSULATED WINDOW BUTT CONNECTORS

For splicing or connecting wires together. Wires are inserted from either end and butt against the built-in wire stop. Has see through nylon "window" for inspection. Connection is crimped in two places; one crimp for each wire. Constructed of one burr-free EIP copper for highest conductivities, annealed to insure maximum installed strength with electro tine plated for maximum corrosion resistance. Each terminal clearly stamped for positive identification, color coded for wire range. Open end construction allows visual inspection of wire locations. Mil-T-7928.



WIRE RANGE	COLOR	PART NUMBER	PRICE EACH
24-20	Clear	B1841BN	0.69
22-18	Pink	B1870BN	0.77
16-14	Blue	B1871BN	0.82
12-10	Yellow	B1872BN	1.10

NON-INSULATED RING TERMINALS

Copper (tin plated) terminals, which, when crimped comprises a terminal with less resistance than an equal length of the conductor. Wire size also stamped on terminals. Mil-T-7928.



WIRE RANGE	STUD SIZE	PART NUMBER	PRICE EACH
7-9	1/4"	D8-14	0.45
6-5	1/4"	E6-14	0.55
6-5	5/16"	E6-516	0.65
4-3	1/4"	F4-14	0.88
4-3	5/16"	F4-516	0.85
2-1	5/16"	G2-516	0.99
2-1	3/8"	G2-38	0.99
2-1	1/4"	G2-14	0.95

PIN CONNECTOR

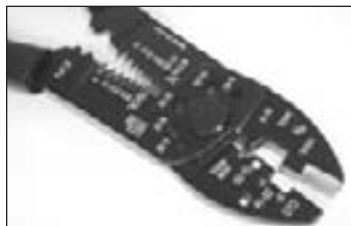
Includes 1 male, 1 female connector. Used to make your own extension cables for Westach instruments.



DESCRIPTION	PART NUMBER	PRICE EACH
Connector/pr	183	0.79

SMALL CRIMPING TOOL

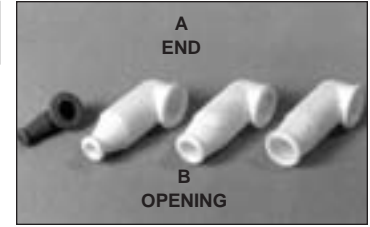
Inexpensive, yet multipurpose maintenance tool designed for easy operation. It produces a quality crimp in a wide variety of terminals and connectors, insulated and non-insulated for sizes 22-10 AWG, plus butt connectors.



DESCRIPTION	PART NUMBER	PRICE EACH
Crimp tool	H2A	15.75

ELECTRICAL TERMINAL NIPPLES

(Neoprene) white right angle nipples for housing connections. MIL-R 5847, Class II, Grade 50, rubber silicone.



END "A"	OPENING "B"	LENGTH INCHES	PART NUMBER	PRICE EACH
13/32"	5/32"	1-3/8"	MS25171-1S	1.16
9/16"	5/16"	2-1/2"	MS25171-2S	1.33
9/16"	7/16"	2-1/2"	MS25171-3S	1.33
9/16"	9/16"	2-1/2"	MS25171-4S	1.59

LIQUID LECTRIC TAPE

Heavy-bodied, black insulating coating which replaces insulating tape in applications where wraparound tape could not readily be applied. This compound dries quickly to a strong pliable finish that will not crack, peel or chip. It is water and oil proof and may be used outdoors to insulate any electrical terminal, connection or wire splice. Excellent for providing insulation on handles, etc. Voltage rating 700v/mil (min.) 2 ft oz. 59 ml bottle with brush.



DESCRIPTION	PART NUMBER	PRICE EACH
Liquid tape	10-1762	13.50

FUSES

Fast acting to protect sensitive instruments and radios, these AGC type are glass enclosed with a single fuse element.



AMPERE/RATING	PART NUMBER	PRICE EACH
1/4	AGC-1/4	0.65
1	AGC-1	0.45
2	AGC-2	0.65
5	AGC-5	0.65
10	AGC-10	0.69
15	AGC-15	0.69
20	AGC-20	0.70
25	AGC-25	0.60
30	AGC-30	0.65
35	AGC-35	0.70

FUSE HOLDER

For use with above fuses, this black phenolic holder is non-indicating. Spring provides contact pressure on ends, knob grips fuse and pulls it from holder when knob is removed. 1/2" mounting hole, with nut from behind.

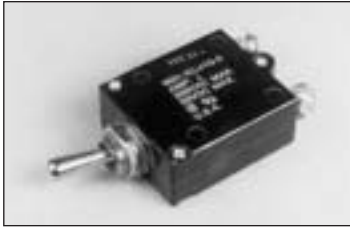


DESCRIPTION	PART NUMBER	PRICE EACH
Fuse holder	381	4.34

ELECTRICAL

SWITCH

Feature plain toggle trip with rating marked on end. Maximum operating voltages are 50 VDC and 250 VAC (59 400Hz). Interrupt capacity is 1000 amps at 125 VAC or 2000 amps at 40 VDC. 8-32 screw terminals mounts with a single dress nut on a flattened bushing. Wgt. less than 2 oz. 2" depth x 1-3/8" height x 11/16" width, has 7/16" hole. UL 1077 recognized as supplementary protectors.



RATING, P&B MODEL	PART NUMBER	PRICE EACH
5	W31X2M1G-5	26.40
7.5	W31X2M1G-7.5	23.85
10	W31X2M1G-10	24.50
15	W31X2M1G-15	24.50
20	W31X2M1G-20	20.61
25	W31X2M1G-25	20.62
30	W31X2M1G-30	22.27
35	W31X2M1G-35	19.98
40	W31X2M1G-40	30.00
50	W31X2M1G-50	20.07

RESET BUTTON

Thermal circuit breakers feature recessed reset button which cannot be manually pulled out to disconnect the circuit. The white button has a red band around it for visible trip indication. Mounting is with knurled thumb nut on bushing. Wgt. less than 1.5 oz. 50 VDC-250 VAC. Interruption capacity is 2000 Amps at 40 VDC, 1000 amps at 350 VAC. Quick connect terminals. Amp rating in red. Apx size: 11/16 x 1-3/8 x 1-7/8, 7/16" hole. UL 1077 recognized as supplementary protectors.



RATING, P&B MODEL	PART NUMBER	PRICE EACH
1	W58XB1A4A-1	7.01
2	W58XB1A4A-2	8.20
3	W58XB1A4A-3	6.00
4	W58XB1A4A-4	7.21
5	W58XB1A4A-5	5.75
7	W58XB1A4A-7	6.37
10	W58XB1A4A-10	4.80
15	W58XB1A4A-15	6.95
20	W58XB1A4A-20	6.98
25	W58XB1A4A-25	7.99
30	W58XB1A4A-30	5.75

RESET BUTTON

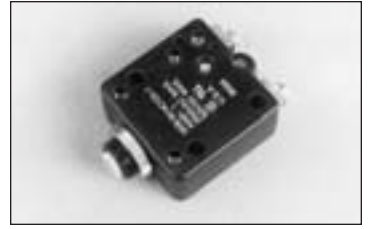
Heavy duty circuit breaker has 60 amp rating with 10-32 screw terminals, manufactured by Mechanical Products. 1" deep x 1" high x 1/2" wide.



DESCRIPTION	PART NUMBER	PRICE EACH
60 amp	1648-009-060	17.99
70 amp	1648-009-070	21.56

RESET BUTTON

Thermal circuit breakers feature recessed reset button which cannot be manually pulled out to disconnect the circuit. The white button has a red band around it for visible trip indication. Has 6-32 screw terminal w/lock washer. Wgt. less than 1.5 oz. 50 VDC-250 VAC. Interruption capacity is 2000 Amps at 40 VDC, 1000 amps at 350 VAC. Quick connect terminals. Amp rating in black. Apx size: 11/16 x 1-3/8 x 1-3/4, 1/2" hole. UL 1077 recognized as supplementary protectors.



RATING, P&B MODEL	PART NUMBER	PRICE EACH
1	W58XC4C12A-1	5.22
2	W58XC4C12A-2	5.60
3	W58XC4C12A-3	6.52
4	W58XC4C12A-4	8.57
5	W58XC4C12A-5	3.98
7	W58XC4C12A-7	4.87
10	W58XC4C12A-10	6.01
15	W58XC4C12A-15	4.98
20	W58XC4C12A-20	4.13
25	W58XC4C12A-25	6.37
30	W58XC4C12A-30	4.98

RESET BUTTON PUSH/PULL

Circuit breakers are single pole, thermal devices. Unit may also be used as a switch. The breaker has a trip-free feature which allows the contacts to open on an overload even with the toggle or button held in the ON position. The W23 will carry 100% of rated load continuously but must trip at 135% of rated load at 25° C. within one hour. Amp rating in white on black button. Attaches with 8-32 screws and washers. Approximate size: 11/16 x 1-3/8 x 2-1/8 - 3/8" hole. UL 1077 recognized as supplementary protectors.

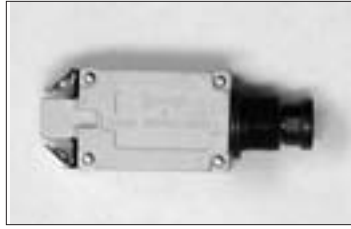


RATING P&B MODEL	PART NUMBER	PRICE EACH
1	W23X1A1G-1	25.00
2	W23X1A1G-2	27.68
5	W23X1A1G-5	20.59
7.5	W23X1A1G-7.5	19.90
10	W23X1A1G-10	20.59
15	W23X1A1G-15	20.42
20	W23X1A1G-20	17.92
25	W23X1A1G-25	16.25
30	W23X1A1G-30	19.95
40	W23X1A1G-40	20.69
50	W23X1A1G-50	21.58

ELECTRICAL

KLIXON MANUAL RESET

Manual reset circuit breakers used extensively as an alternative to slow-blow fuses in aircraft primary electrical circuitry. Single phase, non temperature compensated design features light weight, miniature size, and high vibration resistance. At 32F-Min ultimate trip: 110%; Max ultimate trip: 150%. Maximum width 3/4". Length behind panel is 1-3/8". Screw end terminals



AMP RATING	MAXIMUM VOLTAGE DROP	PART NUMBER	PRICE PER FOOT
1 AMP	1.10	7277-2-1	19.67
2 AMP	0.70	7277-2-2	19.67
3 AMP	0.33	7277-2-3	19.67
5 AMP	0.25	7277-2-5	19.67
7.5 AMP	0.20	7277-2-7.5	19.67
10 AMP	0.15	7277-2-10	19.67
15 AMP	0.15	7277-2-15	19.67
20 AMP	0.15	7277-2-20	19.67

SWITCHGUARD

Red in color, this guard will prevent inadvertent operation of switch, thus switch will work only when spring-loaded guard is lifted up. When the guard is returned to the down position, it forces the switch lever to the off position. For use with MS35058 or MS35059 type switch, single hole.



DESCRIPTION	PART NUMBER	PRICE EA.
Single hole	MS25224-1	11.78

ROCKER SWITCH

Simply depress black matte rocker lever to "on" position and expose the high gloss Hi-lite section at top. Available only in red. High-Inrush ratings: 22A, 125VAC; 16A, 250VAC, 10A, 14V(T). Hi -Inrush capacity up to 110A, 125 VAC at 10 milliseconds for 50,000 cycles minimum. Quick connect/solder lug terminals. SPST. Electrical life, 50,000 cycles maximum. On-None-Off lever action. CSA certified, VDE approved, 1500 H series. Only available in red.



DESCRIPTION	PART NUMBER	PRICE EACH
Rocker switch	H113E-074	2.95

PUSH BUTTON SPDT SWITCHES

These SPDT push button switches are offered in 2 models. One, a momentary and the other a latching (or alternative action) switch. Both are rated 6 amps @ 125 VAC and come with solder terminals. Total length, including cap is 1-5/8". Behind panel is 13/6". Mounts in 1/4" hole. Includes back cap, nut, lock washer.



DESCRIPTION	PART NUMBER	PRICE EA.
Momentary switch	M1021	7.50
Latching switch	L1011	9.84

SUB MINIATURE MOMENTARY SWITCH

Subminiature momentary push button switch. Rated 1/2 amp @ 115 vac and 1/4 amp @220 vac. Diameter - .25", behind panel - .135". SPST N.O. solder terminals.



DESCRIPTION	PART NUMBER	PRICE EACH
Push button switch	SW-391	6.12

SUB MINIATURE MOMENTARY SWITCH

Subminiature momentary push button switch with snap action. Rated 3 amp @ 125 vac. SPDT includes black cap and beveled nut. Diameter 0.350", requires 1/4" mounting hole. 5/8" behind panel. Solder terminals.



DESCRIPTION	PART NUMBER	PRICE EACH
Snap action momentary switch	SW-103	7.50

MINIATURE MOMENTARY SWITCH

Miniature momentary push-button switch with circuit contact. Rated 0.5 amp @ 125 VAC. Bushing length 0.37", complete with black cap and nut, and decorative beveled face plate. SPST N.O./N.C. requires 15/32" mounting hole. Solder terminals



DESCRIPTION	PART NUMBER	PRICE EACH
Miniature push button switch	SW-101	7.50

MICRO SWITCH TOGGLE

Toggle lever socket is sealed to prevent entrance of liquids or dust from entering switch case. Has bright nickel plated lever. Dimensions: .650 wide, 1.125 long, 1.073 deep.



S=SINGLE D=DOUBLE P=POLE
T=THROW

DESCRIPTION	SWITCH ACTION	PART NUMBER	PRICE EACH
SP-ST	OFF-NONE-ON	11TS15-2	14.50

BASIC SWITCH

Limit switch has screw terminals. Military number MS25253-1.

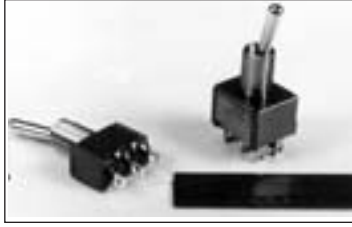


DESCRIPTION	PART NUMBER	PRICE EACH.
SP-DT	V3-1001	8.42

ELECTRICAL

C&K ULTRA MINIATURE

Switch is constructed of high strength plastic which is compartmented to assure isolation of circuits. Contacts are made of silver or brass silver plated. Rated 1.5 amps at 12 VAC 012 with solder connection. Mounting hardware included. DIMENSIONS:
 SP - 1/4 x 1/2 x 5/16 deep.
 DP - 7/16 x 1/2 x 5/16 deep.
 Neck: 1/4" dia. x 5/16" long.



DESCRIPTION	SWITCH ACTION	PART NUMBER	PRICE EACH
SP-DT	ON-NONE-ON	7101	7.12
SP-DT	ON-OFF-ON*	7107	6.85
DP-DT	ON-NONE-ON	7201	9.55
DP-DT	ON-OFF-ON	7203	7.75
DP-DT	ON*-OFF-ON*	7205	9.55
DP-DT	ON-OFF-ON*	7207	5.55

* Indicates momentary position

MS35058

Series toggle switches are recommended when maximum reliability is required. All contain a silicone rubber bushing seal. 20 amp rating at 125 VAC. Switches have 6-32 screw terminal. Mounting hardware included, neck mount. Behind panel dimension: 5/8" x 1-1/8" x 1-1/16" deep. Neck: 7/16" diameter x 1/2" long. *indicates momentary position.

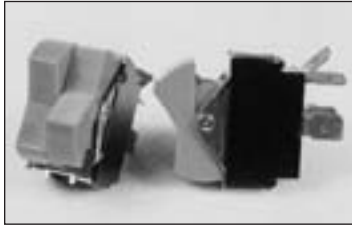


S=SINGLE D=DOUBLE P=POLE T=THROW

DESCRIPTION	SWITCH ACTION	PART NUMBER	PRICE EA
SP-DT	ON-OFF-ON	MS35058-21	12.98
3 Terminal		(AN3021-1)	
SP-ST	ON-NONE-OFF	MS35058-22	10.72
2 Terminal		(AN3021-2)	
SP-DT	ON-NONE-ON	MS35058-23	13.90
3 Terminal		(AN3021-3)	
SP-DT	*ON-OFF-ON*	MS35058-27	15.59
3 Terminal			

CESSNA SPLIT MASTER SWITCH

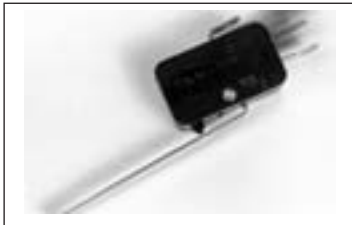
Cessna split master switch for single alternator system.



DESCRIPTION	PART NUMBER	PRICE EACH
Master switch	S-1994-1-1	17.99
Mount for switch	S-1843-1	2.65

MICRO LEVER SWITCH

Up to 15 amps load handling, performs under shock and vibration. Solder terminal.



DESCRIPTION	PART NUMBER	PRICE EACH
SP-DT	V7-6C17D8	3.50

LEVER LOCK SWITCH MS24658

Single-pole, 2 position sealed switch suitable for master switch or gear up/down applications. Features locking toggle actuator for safety. 20,000 cycle life expectancy over temp rang of -85°F to 160°F. Rated 5 amp lamp load, 20 amp resistive load, and 15 amp inductive load @28 VDC. Flush screw terminals. Requires 15/32" mounting hole. Meets MIL-S-3950.



DESCRIPTION	PART NUMBER	PRICE EACH
Lever lock switch	MS24658-22D	32.00

ROCKER & PADDLE SWITCHES

Single pole and double pole rocker switches with distinctive styling and an extra margin of reliability with electrical capacity of 15 amps, composite contact of silver cadmium oxide to ply on special copper alloy. Cadmium plated steel cover plates. Impact-resistant case. White plastic rocker or paddle. Spade terminals. UI recognized, CSA approved Size: 3/4 x 1-3/4 x 1-1/4 deep (0801 series supersedes to 0821,0811 to 0831, 0821 and 0831 are 15 amp.)*Momentary.



CIRCUIT	POLES	PART NUMBER	PRICE EACH
On-off	SPST	0801-0310	6.25
On-off-on	SPDT	0801-0311	6.99
On-on	SPDT	0801-0312	6.99
On-off	DPST	0811-0310	12.85
On-off-on	DPDT	0811-0311	8.99
On-on	DPDT	0811-0312	9.71

MS35059

Series toggle switches same as MS35058 series, however, behind panel dimensions: 3/4" x 1- 21/64" x 1- 13/64" deep. Neck 7/16" diameter x 1/2" long * Indicates momentary position. *
 20 amp @ 28 VDC
 10 amp @ 115 VAC



S=SINGLE D=DOUBLE P=POLE T=THROW

DESCRIPTION	SWITCH ACTION	PART NUMBER	PRICE EA
SP-ST	ON-NONE-OFF	MS35059-22	12.50
4 Terminal		(AN3027-2)	
DP-DT	ON-NONE-ON	MS35059-23	16.48
6 Terminal		(AN3027-3)	
DP-DT	ON-OFF-ON	MS35059-21	15.25
6 Terminal		(AN3027-1)	
DP-DT	*ON-OFF-ON*	MS35059-27	17.47
6 Terminal		(AN3027-7)	

ELECTRICAL

IGNITION SWITCH

Key operated provides ON & OFF (left, right, both, start) electrical control of both magnetos on single engine aircraft. Mounts from rear of panel 7/8" diameter hole. Switch plate furnished. Wire connections are screw terminals. Kit also available with two locks (door and baggage) mated for single key. Service kit includes: small diode washer, 3 triangular contacts, starter terminal board, grease pack diode assembly and instructions. Diode assembly with grease pack may be purchased separately.



DESCRIPTION	PART NUMBER	PRICE EACH
Switch -Starter Position	A510-2	99.99
Switch -No Start Position	A510-5	85.90
Switch kit -Starter Position	A510-2K	125.00
Switch kit -No Start Position	A510-5K	125.98
Switch service kit	A-3650-2	21.50
Diode assembly	16050-2	9.24

MINIATURE EYEBALL COCKPIT LIGHT

Low intensity light for continuous use as chart or instrument light. Black acrylic ball with .191" aperture rotates in an ABS housing for full swivel adjustment. 1 1/2" dia. overall, mounts with 3 screws. Wt. 1/2 oz. Power consumption 1.12 watts at 12v 3500 hour bulb life (apx.). Light is white.



DESCRIPTION	PART NUMBER	PRICE EACH
Cockpit light	MOD-1	13.85

INDICATOR LIGHT: GEAR UP/GEAR DOWN

Two assemblies, red, and green with removable lenses. 1" long, takes threaded E-4 lamps. Requires 7/16" mounting hole. Sold as set only. Bulbs included.



DESCRIPTION	PART NUMBER	PRICE EACH
Assembly	GW-326	9.83

VOLTAGE REGULATOR

5 volt, 1 amp features internal thermal overload protection with stable fixed output voltage. Maximum rating - 35v, operating temp. - 0° to +70°C. For use with KPS Servo.



DESCRIPTION	PART NUMBER	PRICE EACH
Voltage regulator	276-1770	2.75

REPLACEMENT BULB

12 volt or 75 milli amp, for use in GW-326 assembly.



DESCRIPTION	PART NUMBER	PRICE EACH
Bulb	E-4	1.75

GE REPLACEMENT POST LIGHT BULBS

(Micro Lamp, Chicago Miniature, Sylvania, GE)



DESCRIPTION	PART NUMBER	PRICE EACH
28v, Post light	327B	0.79
14v, Post light	330B	0.99
14v, Post light	336B	1.48
14v	1893B	1.25
Bulb fits A315H	1414B	3.30

SEALED BEAM LAMPS

For use in landing and taxi lights. Use with A715 landing light bracket. (Sylvania, GE, Phillips)



SIZE	VOLTS	WATTS	CANDLE POWER	PART NUMBER	PRICE EACH
4-1/2"	13	100	110,000	4509L	11.99
4-1/2"	13	250	150,000	4313L	23.85
5-3/4"	13	250	290,000	4522L	30.22
5-3/4"	28	250	300,000	4553L	22.60

A715 LANDING LIGHT BRACKET

Standard equipment on new Beechcraft and will retrofit into older aircraft as well. Accommodates PAR 36 lamp. Lamp element sold separately. Specifications: Weight: 0.5 lbs, diameter: 4.75", length: 6.5" depth: 2.12".



DESCRIPTION	PART NUMBER	PRICE EACH
Light bracket	A715-1	136.80

ELECTRICAL

SOLENOIDS - WHAT ARE THEY - HOW DO THEY WORK?

Solenoid: an electromagnetic relay used in direct current wiring system between a low current capacity switch and a high current load requirement. In an engine starting system, the starting position of an ignition switch might have a typical rating of 5 amps while the starter motor might have an initial cranking requirement of 200 to 350 amps. The ignition switch energizes the solenoid coil which moves the high current capacity contact to a closed position thereby energizing the starter motor.

The "intermittent" starter application described is used only when the equipment is started and only for a few seconds during each start. To meet this short term demand, an intermittent solenoid carries a high rating. If the starter was run continuously, the solenoid would overheat and fail, as would the starter. It is constructed so it can be energized for short periods up to 15 seconds without overheating and destroying its windings. The "continuous" solenoid is constructed so it can be energized continuously without overheating its windings.

SOLENOIDS

Cole Hersee solenoids master & starter. Bracket mounting holes 5/16" x 19/32" with 2-13/64" on centers. Battery connects to right stud (facing front). Maximum torque requirements: 10-32 threaded studs - 15 in/lb, 5/16-24 threaded studs - 35 in/lbs. Do NOT over torque.



Master: 12 volt continuous duty.

Starter: 12 volt grounded intermittent duty. 750 amps make 100 amps break with 10 seconds on - 20 minutes off.

DESCRIPTION	PART NUMBER	PRICE EACH
Master solenoid	24115	19.50
Starter solenoid	24037	19.74

DRY CELL BATTERY

Offering cranking power double to triple that of conventional batteries, these high tech batteries offer a high power to size to weight ratio. An operating temp range of -40 to 140 F gives superior cold weather performance, with 400 deep cycles possible when fully discharged. With a 3-8 year service life, they will maintain a 50% state of charge even after 2 years of storage. Vibration resistant, 100% maintenance free. Dry cell ships worry free UPS. Terminal kit converts 6mm terminals to 3/8" SAE threads.



CATEGORY	SIZE LxDxH	CRANKING AMPS	WEIGHT LBS	PART NUMBER	PRICE EACH
Medium Duty	6-1/2" L 6-11/16"D 5" H	925 12 volt	24 lb	PC-925	134.80
Motorcycle ATV & Special Applications	7-3/16" L 3-1/16" D 6-9/16" H	680 12 volt	15 lbs	PC-680	104.16

GILL BATTERIES

Offer low maintenance, equipped with M.S. non-spill vent caps, dry charged with factory installed storage seals. Batteries use 1.285 specific gravity electrolyte for higher cranking power. Pink denotes lead-acid. For general aviation aircraft with 12 volt systems. G-35 5-1/8 x 9 x 7-3/8 height
G-25 5-1/8 x 7-5/8 x 7-3/8" height



BATTERY TYPE	FILLED WEIGHT	PART NUMBER	PRICE EACH
G-25	21 lbs	G-25	128.00
G-35	27 lbs	G-35	155.00

BELL CITY BATTERIES

Low maintenance, non spill caps.

Type: 12-24 measures 7-3/4" x 5-1/8" x 7-3/8", with 20 hr rating. 12-35 measures 9-3/4" x 5-1/8" x 7-3/8", with 34 hr rating. The 12-24 GEL measures 7-3/8" x 5-1/8" x 7-1/8", 20 hr rating.

Gell battery cannot be used for certified aircraft - posts are reversed, acceptable for homebuilts. **Note:** uses automotive acid - get acid from Auto supply to avoid hazard fee.



BATTERY TYPE	FILLED WEIGHT	PART NUMBER	PRICE EACH
25	21	12-24	80.73
35	27	12-35	76.97
24-GEL	25	12-24GEL	99.80

12V SEALED LEAD-ACID BATTERY

A maintenance free, sealed lead-acid battery design that allows mounting in any position except inverted. Rated at 22 amps with a service temperature range of -4°F to 122°F. Service life is normally 3-5 years, withstanding 250 cycles to full discharge.

Connections: 6mm bolt terminals.

Weight: 14.4 lbs Size: 7.13" L, 3.00" W, 6.57" H. 1 yr warranty - by Universal.



DESCRIPTION	PART NUMBER	PRICE EACH
12 v sealed battery	U2212N	78.00

ULTRA START RED BATTERY

A unique high performance 12 volt battery, ideal for use in ultralight aircraft with 2 stroke engines up to 100 hp. which includes Rotax 277-618. It offers high starting power in a compact, lightweight package. Specially designed top accepts hold-down straps for ultralight installation. Sealed lead-acid-battery - maintenance free. Capacity 5 amps/hr. Peak amps 250, weight 4.4 lbs. Size 2.7"L x 3.5"W, x 4.5" H.



DESCRIPTION	PART NUMBER	PRICE EACH
Ultralight battery ultra start Red	US-RED	95.00

ODYSSEY BATTERY 545

Odyssey batteries are maintenance-free military grade batteries offering unequalled performance over conventional batteries. Their 5 sec cranking power is 2-3x's that of conventional batteries, even at -40°F. Their sealed AGM design means that they contain no free acid or gel of any kind; the electrolyte is absorbed in a glass mat. Thus, Odyssey batteries may be mounted in any orientation (except inverted) & may be shipped hazmat free (even by air). Odyssey batteries will maintain a 50% charge @ 70°F even after 2 yrs in storage & have fast-charge recovery. Service life: 6-10 yrs. Optional kit converts 6mm terminal threads to 3/8" SAE. Battery hold-downs available for some models. Other Application: M/C, Replaces: YB16L-B, AH: 12, CA 5 SEC: 545, CCA: 185, L: 7.0, W: 3.4, H: 5.2, and LBS: 14.



DESCRIPTION	PART NUMBER	PRICE
DRYCELL BATTERY	PC-545	100.62
HOLD-DOWN	B545HD	29.93

ELECTRICAL

ODYSSEY BATTERY 625

Dry cell battery offering cranking power double to triple that of conventional batteries. The high tech batteries offer a high power to size to weight ratio. Operating temp range of -40 to 140 F gives superior cold weather performance, with 400 deep cycles possible when fully discharged. This battery has a 3-8 year service life. They will maintain a 50% state of charge even after 2 years of storage. Vibration resistant, 100% maintenance free. Dry cell ships worry free UPS. Terminal kit converts 6mm terminals to 3/8" sae threads. Other Application: Jet Ski, Replaces: YB16CL-B, AH: 16, CA 5 SEC: 625, CCA: 265, L: 6.7, W: 3.9, H: 6.9, LBS: 15. 625 cranking amps.



DESCRIPTION	PART NUMBER	PRICE
DRYCELL BATTERY	PC-625	94.45

ODYSSEY BATTERY 680

The Odyssey battery is capable of delivering a large number of deep cycles up to 400 when fully discharges or up to 500 when discharged to 80 percent. Maintains 50 percent state of charge after 2 years of room temperature 77 degree storage, lower longer. Sealed design eliminates maintenance, non-spillable design allows UPS/FedEx or Air shipping. May be installed in any orientation except inverted with superior vibration resistance. No need to boost charge, add water or clean terminals before installing. Optional black aluminum battery box is available for the PC-680 order separately B680HD. Other Application: BMW M/C, Replaces: Y50N18L-A, AH: 18, CA 5 SEC: 680, CCA: 280, L: 7.0, W: 3.1, H: 6.6, LBS: 16. 680 cranking amps.



DESCRIPTION	PART NUMBER	PRICE
MOTORCYCLE & ATV	PC-680	104.16
HOLD DOWN PC-680	B680HD	38.92

ODYSSEY BATTERY 680-A

A powerful, military grade 12V drycell battery with a 680 cranking amp rating-double to triple that of like-sized wet batteries. Rugged construction offers superior vibration resistance with high G loading. With an operating temp range of -40 degrees to +140 degrees F and 70 percent rated starting power at -4 degree F, it gives excellent cold weather performance. May be mounted in any position; great for aerobatics. Altitude rated to 70,000'. 6mm terminals. CCA at 0 degrees F: 220A. Reserve Capacity: 25 min. Size: 7.27"L x 3.12"W x 6.89"H. Wt: 15 lbs. FAA/PMA approved for PA18/19. Black aluminum hold down box available.



DESCRIPTION	PART NUMBER	PRICE
FAA/PMA BATTERY	SBSJ16	155.02

BATTERY BOX

Firewall mounted battery boxes complete with removable hold-down bar & cotter key retainers. Models to fit US-RED & UB-13 batteries. Made from .032 aluminum.



APPLICATION	HEIGHT X WIDTH X DEPTH	PART NUMBER	PRICE EACH
UB-13 BATTERY	6"X8-5/16"X3-3/8"	U13BX	32.50
US-RED BATTERY	5"X6"X2-7/8"	USBX	25.00

ODYSSEY BATTERY 925

Odyssey batteries are maintenance-free military grade batteries offering unequalled performance over conventional batteries. Their 5 sec cranking power is 2-3x's that of conventional batteries, even at -40°F. Their sealed AGM design means that they contain no free acid or gel of any kind; the electrolyte is absorbed in a glass mat. Thus, Odyssey batteries may be mounted in any orientation (except inverted) & may be shipped hazmat free (even by air). Odyssey batteries will maintain a 50% charge @ 70°F even after 2 yrs in storage & have fast-charge recovery. Service life: 6-10 yrs. Optional kit converts 6mm terminal threads to 3/8" SAE. Battery hold-downs available for some models. Other Application: Special App, Replaces: Unique, AH: 27, CA 5 SEC: 925, CCA: 470, L: 6.5, W: 7.0, H: 5.0, LBS: 26. 925 cranking amps.



DESCRIPTION	PART NUMBER	PRICE
MEDIUM DUTY	PC-925	134.80

CONCORDE BATTERY

Concorde Platinum series batteries offer the most power available in any '25' or '35' series vented lead-acid aircraft battery. Both feature aircraft quality copper alloy terminals with silicon-bronze bolts & washers. 12V. Ships dry-charged w/acid pack. FAA-PMA approved. CB-25XC is 4.5 inches deep 7.5 inches wide 7.3 inches high and weighs 24.8 lbs. CB-35AXC is 5 inches deep 9.6 inches wide 7.3 inches high and weighs 32.5 lbs.



COLD CRANKING AMPS	30 MINUTE CAPACITY	PART NUMBER	PRICE EACH
330 AMPS AT 0 DEG	43 AMP P/HOUR	CB-25XC	181.96
400 AMPS AT 0 DEG	55 AMPS P/HOUR	CB-35AXC	235.95

BATTERY CHARGER

A portable deep cycle charger for use on 12 or 24 volt batteries. Will charge a deep cycle battery in 7-11 hours; an auto battery in 3-5 hours. Fully automatic, will not overcharge a battery. Includes a manual override switch for special applications. Rated 10 amps.



DESCRIPTION	PART NUMBER	PRICE EA
12/24V Battery Charger	SE70MA	76.85

BATTERY CHARGER/MAINTAINER

Surecharge sense battery condition charges to full capacity and then continuously monitors up to 4 batteries at a time, without overcharging. May be left on indefinitely. For use on all 12 volt batteries including gel and deep cycle. Includes ring terminal and quick connects. 1 amp max output. 5 year warranty.



DESCRIPTION	PART NUMBER	PRICE EACH
Charger/Maintainer	SRCHG	39.81

ELECTRICAL

BATTERY MINDER 12V

The BatteryMINDER is a 3-mode charger/maintainer/conditioner that extends performance and life of all types and sizes of 12 Volt lead acid batteries. These include maintenance-free, marine, deep cycle, sealed, gel, and all popular brands of AGM dry-type, valve-regulated batteries, such as InterState, Exide, Optima and Odyssey. General Specifications: Input: 105-130 Vac 50/60 Hz, Output: 12 volts @ 1.0 Amps, Charge Voltage: 14.2 - 14.4 Vdc, FloatSpecial Offer: FREE battery condition indicator (\$11.95 retail value) with a pushbutton LED read-out when you register your warranty on www.vd-celectronics.com. Simple connection to any 12 volt battery. Voltage: 13.4 volts, Desulphation Pulse: 1.0A @ 3.26 MHz, Float Current: 5 mA - 200 mA*, Size/Weight: 3-3/4" L x 2-1/2" W x 2-1/4" H / 2.3 lbs.



INPUT	PART NUMBER	PRICE
105-130 VAC 50/60 HZ	12112	45.25

TERMINAL ADAPTER KIT

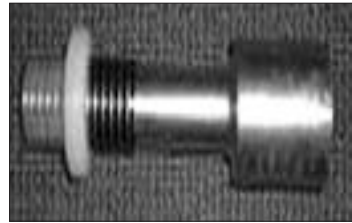
Converts 6mm terminals to 3/8" SAE threads.



DESCRIPTION	PART NUMBER	PRICE EACH
Terminal adapter kit	3217-0006	16.50

PLUG & JUMP GROUND POWER PLUG

Allows the pilot to jump-start an aircraft with a dead battery using the plane's external power receptacle & ordinary auto jumper cables. 2 models are available: a round Piper style & an oval Cessna style. Small, lightweight, and easily stowed. PJ-CSS oval style fits Cessna, Beechcraft, Mooney etc. PJ-PPR round style fits Piper, Maule, etc.



DESCRIPTION	PART NUMBER	PRICE
OVAL CESSNA STYLE	PJ-CSS	71.10
ROUND PIPER STYLE	PJ-PPR	77.23

SILICONE INSULATING COMPOUND

An insulating silicone compound used for producing moisture-proof seals in aircraft ignition systems, spark plug connections, and electrical terminals & assemblies. Seals & lubricates cable connectors, battery terminals, rubber door seals, and rubber & plastic O-rings. May also be used as a metal-on-plastic and metal-on-rubber assembly lubricant. 5.3 oz tube.



DESCRIPTION	PART NUMBER	PER FOOT
DOW 5.3 OZ TUBE	DC4	17.00

TOGGLE SWITCH COVERS

Enhance your panel by replacing faded, dirty, or missing OEM toggle switch covers with these attractive vinyl covers. The 4 available colors also help in color coding switches for easy identification. Available in Std & mini sizes as found on Cessna & some Beech aircraft. Colors are white (w) black (b) green (g) or red (r). (Green not available in mini size)



COLOR	PART NUMBER	PRICE
BLACK	MTSC-B	1.06
RED	MTSC-R	1.06
WHITE	MTSC-W	1.06
BLACK	TSC-B	1.65
GREEN	TSC-G	1.65
RED	TSC-R	1.65
WHITE	TSC-W	1.65

FIBERGLASS SLEEVING

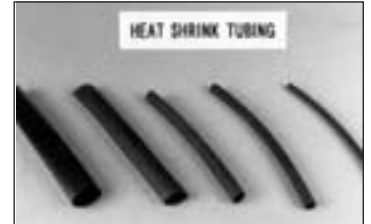
A fireproof fiberglass sleeving specially designed to withstand up to 1200F deg radiant heat-perfect for protecting 3/8" fuel line, brake lines, or wire bundles. May be coated with high-temperature paint for added protection against heat and fraying. Install by pinching ends inward, slipping over line, and securing ends with clamps, ties, shrink wrap, silicone or silicone tape. Nominal ID: .574" Maximum ID: .585"



I.D.	PART NUMBER	PER FOOT
3/4"	FRP750	2.25
9/16"	FS9/16	1.48

HEAT SHRINK TUBING

Aviation grade, polyolefin, nonflame retarded, heat shrink tubing has a wide range of applications such as harnessing, wire bundling, strain reliefs or applications where components must be insulated or packaged. Shrink by any hot air or heating device that heats to at least 250°F. No need for special skills, one person operation complete in seconds. Black only, with 2' minimum purchase size.



EXPANDED IN.	MAX SIZE DEC.	ID. NOM.	FULLY RECOVERED WALL	PART NUMBER	PRICE PER FOOT
1/8"	.125	.062	.020	HST-1/8	0.62'
3/16"	.187	.093	.020	HST-3/16	0.78'
1/4"	.250	.125	.025	HST-1/4	0.88'
3/8"	.375	.187	.025	HST-3/8	1.05'
1/2"	.500	.250	.025	HST-1/2	1.18'

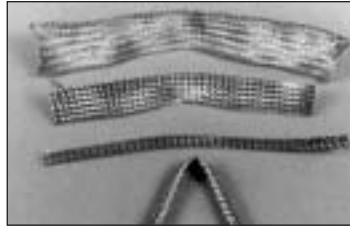
12' of one size or longer - 10% DISCOUNT!!

ELECTRICAL

TINNED COPPER BRAID

Used for static shielding on short lengths of wire or cable and for flexible bonding connections and ground straps. Made of extra flexible tinned copper wire, rolled flat. Current capacity is in free air @ 65°F.

Use #858 (1/8") with 7014 thru 7025 wire #863 (1/4") with 7026 #864 (3/8") with 7027 #869 (1/2") with 7029



NOMINAL FLAT WIDTH	CURRENT CAP. AMPS	PART NUMBER	PRICE PER FOOT
1/8"	16	858	0.67
1/4"	32	863	0.65
3/8"	46	864	1.29
1/2"	53	868	1.97
5/8"	53	865	1.50

COPPER FOIL TAPE

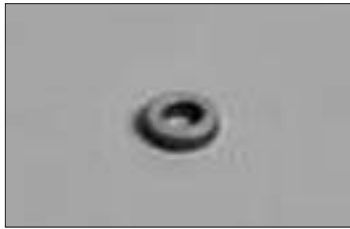
1/2" wide tape used for an antenna ground in composite aircraft where a large metal surface is not present.



DESCRIPTION	PART NUMBER	PRICE FT.
Copper foil tape	CFT-500	0.75

FERRITE BEADS

Ferrite beads. 7/32" I.D. and 3/8" O.D.



INSIDE DIA	OUTSIDE DIA	PART NUMBER	PRICE PER FOOT
7/32"	3/8"	F-59	0.59

CIRCUIT BREAKER CAPS

Circuit breaker cap available in red, yellow, and green colors. Each color Sold Separately.



COLOR	PART NUMBER	PER FOOT
RED	PE73	5.85
YELLOW	PE75	5.85
GREEN	PE78	5.85

WIRE EXTENSION

12 foot long - used to extend Westach leads, 2 wires. Non TSO'd



DESCRIPTION	PART NUMBER	PRICE EACH
12 ft extension	183A12	8.99

ANTENNA

COM/NAV/ELT - antenna specifically designed for use without a ground plane, these lightweight antennas offer increased gain with less distortion. Mounts easily by bonding/gluing onto interior surface of composite or fabric covered aircraft. The 5T routes cable away inline from antenna, the 5I allows a right angle cable routing, as required inside a fabric wingtip. Impedance matched to 50 ohms. 43" long. Not for metal aircraft by Advanced Aircraft Electronics.



DESCRIPTION	PART NUMBER	PRICE
Inline - Model 5 T	VHF5T	125.00
Right Angle Model 5 I	VHF5RA	125.00

EXPANDABLE SLEEVING

Tough, lightweight sleeving used to protect cable assemblies, hoses and wire bundles from chafing, cutting, and abrading. Retains flexibility over rated temp range of -94F to +257F. Open-weave, braided polyester construction meets F.A.R. Part 25 flammability requirements. Fray-resistant: may be cut with scissors. Sold by the lineal foot.



NOMINAL OD	MAXIMUM OD	PART NUMBER	PRICE PER FOOT
1/4"	7/16"	FRP250	0.70
1/2"	3/4"	FRP500	1.40



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