WORLD ENGINES INC.

8960 Rossash Road
Cincinnati, Oh. 45236
Orders: 1-800-332-4359
Info: (513) 793-5900
Telex: 214 557

'88 Catalog

ROBINHOOD™ 99

HOPPED-UP ROCKBUSTER™

IF YOUR 'GEM OF A RADIO' ISN'T WHAT YOU EXPECTED, YOU'RE READY FOR WORLD'S EXPERT CRYSTAL SERIES.

We are proud to introduce our new Expert 7 channel FM radio control system. This system now utilizes a very advanced receiver that virtually eliminates interference.

The transmitter has two sets of features. The top panel contains the aileron and elevator dual rate switches, channels five (retract), six (flaps), and seven (auxiliary), as well as the two mixing switches for channels 1&4 (aileron/rudder or rudder/aileron mix) and channels 2&6 (elevator/flaps or flaps/elevator mix). Both of these mixing functions can be operated individually or at the same time.

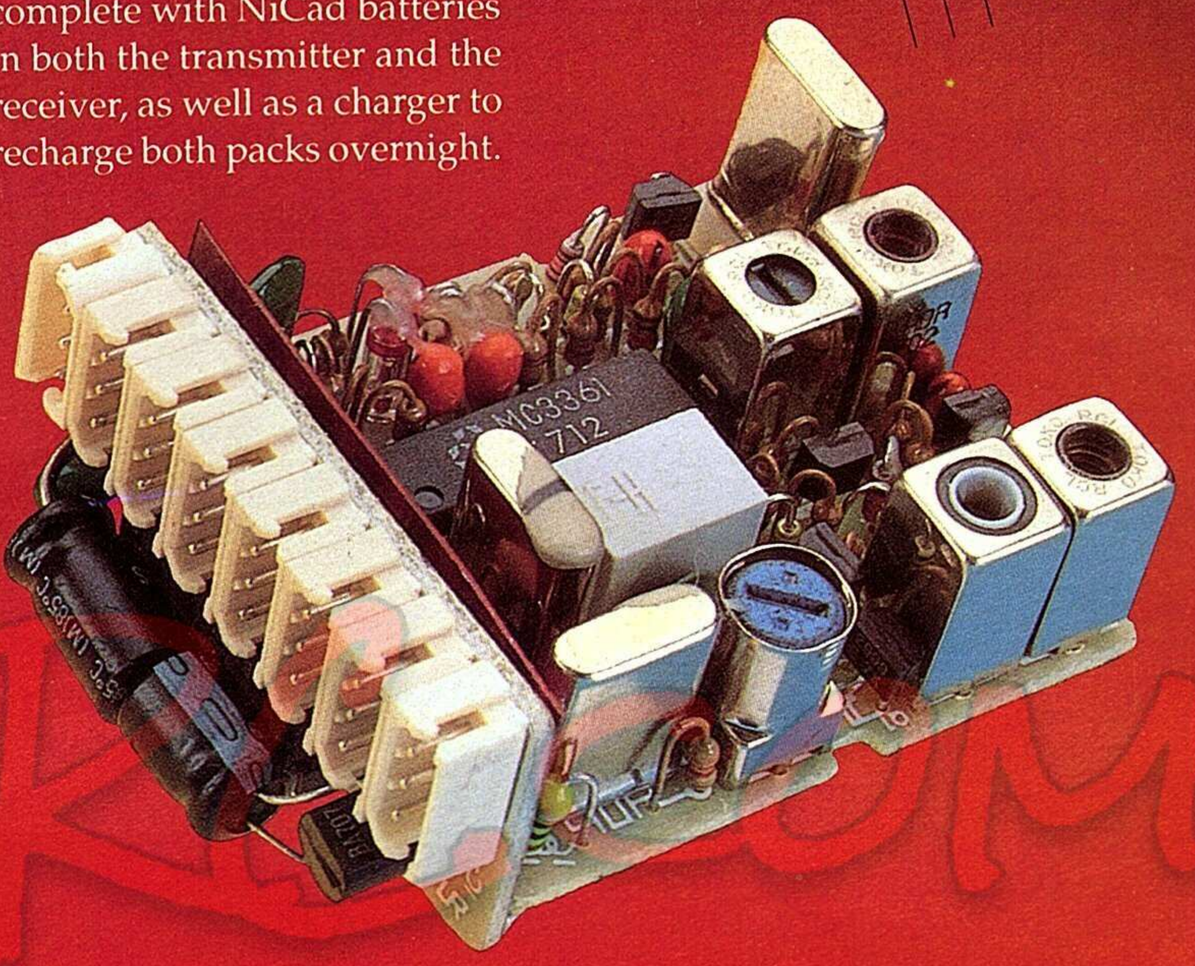
By sliding open the back panel, you will find the servo reversing switches for all seven channels and adjustments for both the dual rates and the mixing functions.

"Due to its extremely narrow bandwidth, every Expert 7 channel FM transmitter proudly wears the AMA gold sticker."

The system includes our dual conversion, 1991 FM receiver. *(For details, see the copy below.)* Four S-25 servos are standard with the system. These servos are water resistant, lightweight and compact in size to fit in almost any application. Alternate servo arms and servo mounting hardware are also included.

The Expert FM system comes complete with NiCad batteries in both the transmitter and the receiver, as well as a charger to recharge both packs overnight.

CRYSTAL



Our new Expert FM receiver is far better than any conventional receiver on the market. This new and revolutionary design is made to eliminate most of the adjacent channel and third order interference.

*"The Expert 7 channel FM transmitter has a bandwidth which is **better** than 55 DB down at 10KHZ. It is **better** than 62 DB down at 20 KHZ."*

One problem facing receivers of conventional design is third order rejection. Our new crystal filter receiver incorporates the **LCAC** (Level Controlled Antenna Coupling) system. This system gives our receiver approximately a 20 DB improvement in third order rejection over any other receiver on the market today.

Not only does our new Expert FM receiver utilize a crystal filter and the new **LCAC** system, it is based on the proven MC3361 integrated circuit. There are also 2 ceramic filters and our **DBM** (Double Balance Mixer) system used in the circuitry.

As you have read, our new Expert FM system is far more advanced than any other system which makes it the logical choice.

*"The new Expert 7 channel FM receiver is **more selective** (50 DB at 10 KHZ) than other makes of receivers."*

EXPERT®

Logical

The Choice!

Expert 7ch. FM system - 21168

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INTRODUCTION

Thank you for taking time to look through our 1988 edition of the World Engines catalog. This catalog features our entire line of exclusive, top quality radios, engines, kits, and R/C accessories, as well as our complete line of the finest in domestic merchandise.

All prices in this catalog are up-to-date as of the time this catalog was printed. Additional updates in pricing and products will be included on our Order Card. If you did not receive one of our Order Cards with this catalog, drop us a line and we will be glad to send you the most up-to-date edition. (The Order Card is published every-other month.)

When you order from this catalog (either by writing us or by using our orders only toll-free number) there are a couple of things to keep in mind.

First, always order an item by using the World Engines catalog number.

Second, include all the information that we will need to ship your package to you - name, address, any credit card numbers, phone numbers, etc.

ALL PRICES IN THIS CATALOG ARE SUBJECT TO CHANGE WITHOUT NOTICE.

World Engines Limit of Product Liability

World Engines will replace defective parts of their products that appear at he time of purchase. The user shall determine the suitability of the product(s) for his/her application(s) and shall assume all risks and liability in connection therewith.

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EXPERT®

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The transmitter has two sets of features. The top panel contains the aileron and elevator dual rate switches, channels five (retract), six (flaps), and seven (auxiliary), as well as the two mixing switches for channels 1&4 (aileron/rudder or rudder/aileron mix) and channels 2&6 (elevator/flaps or flaps/elevator mix). Both of these mixing functions can be operated individually or at the same time.

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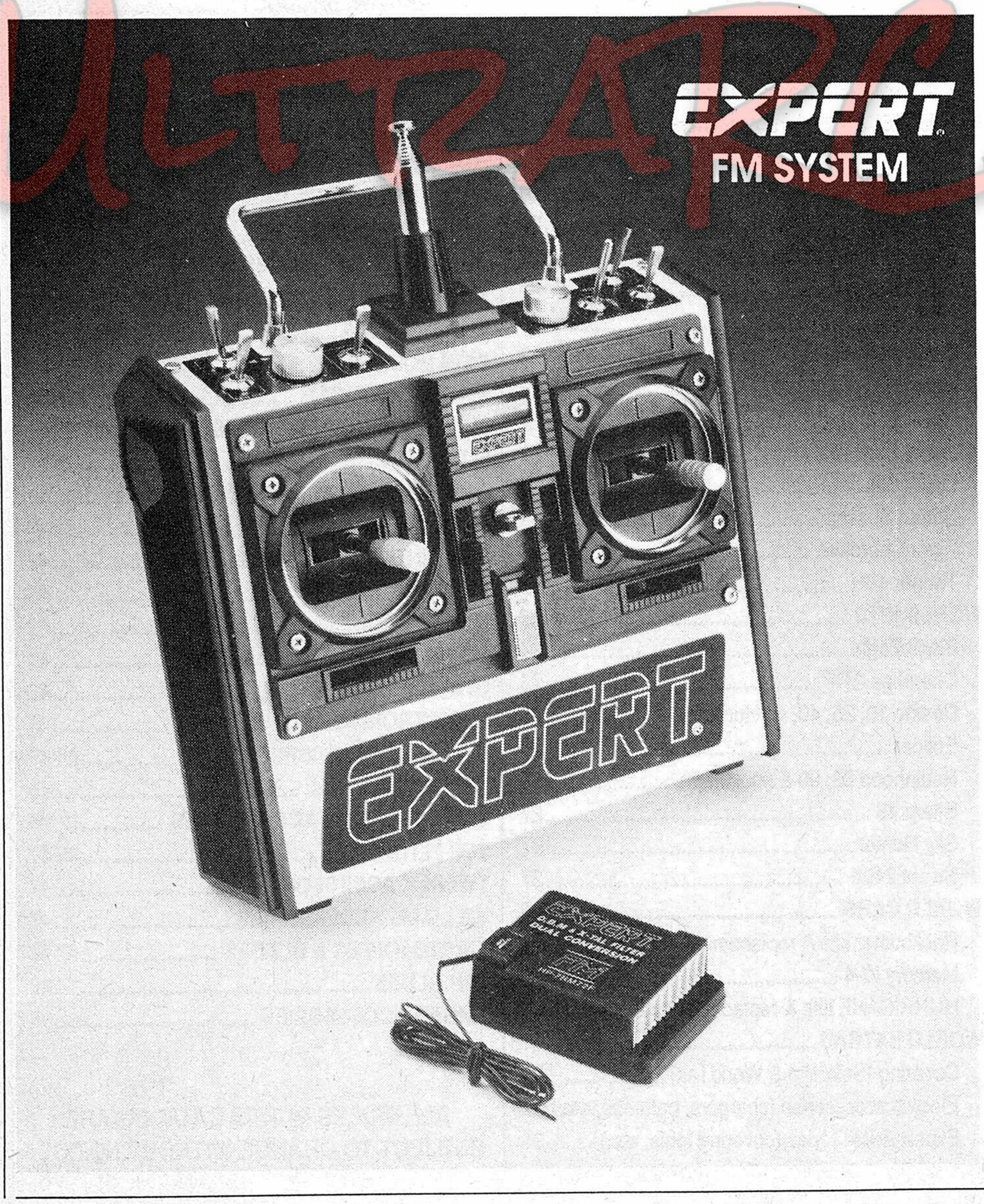
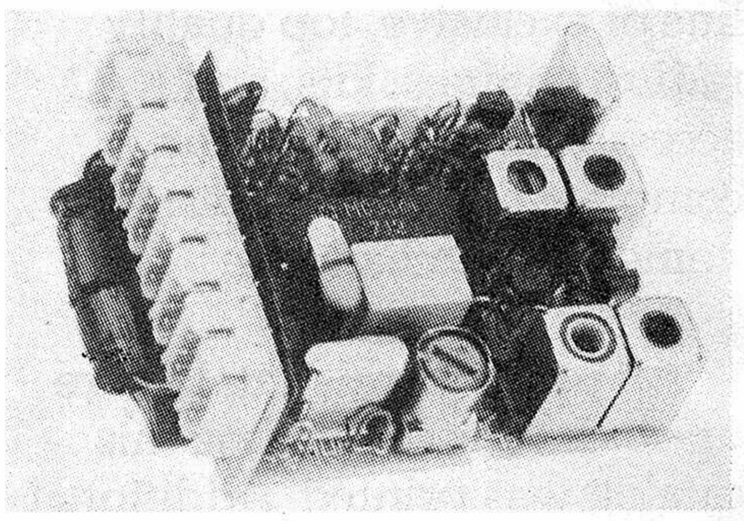


CRYSTAL



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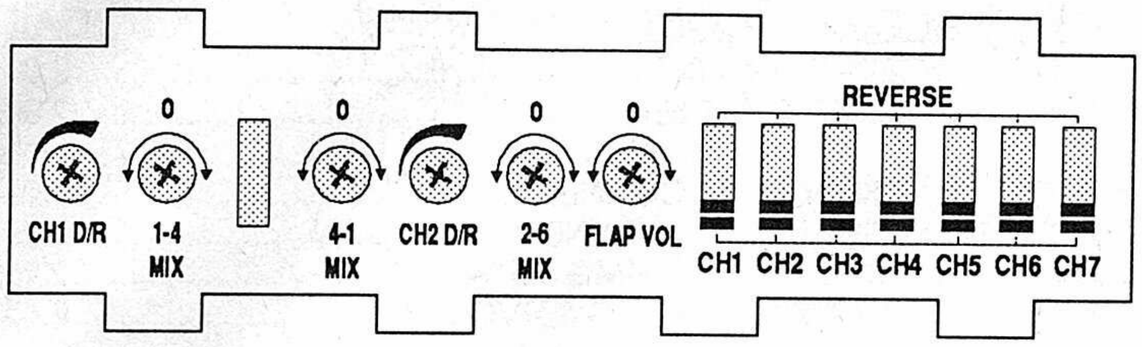
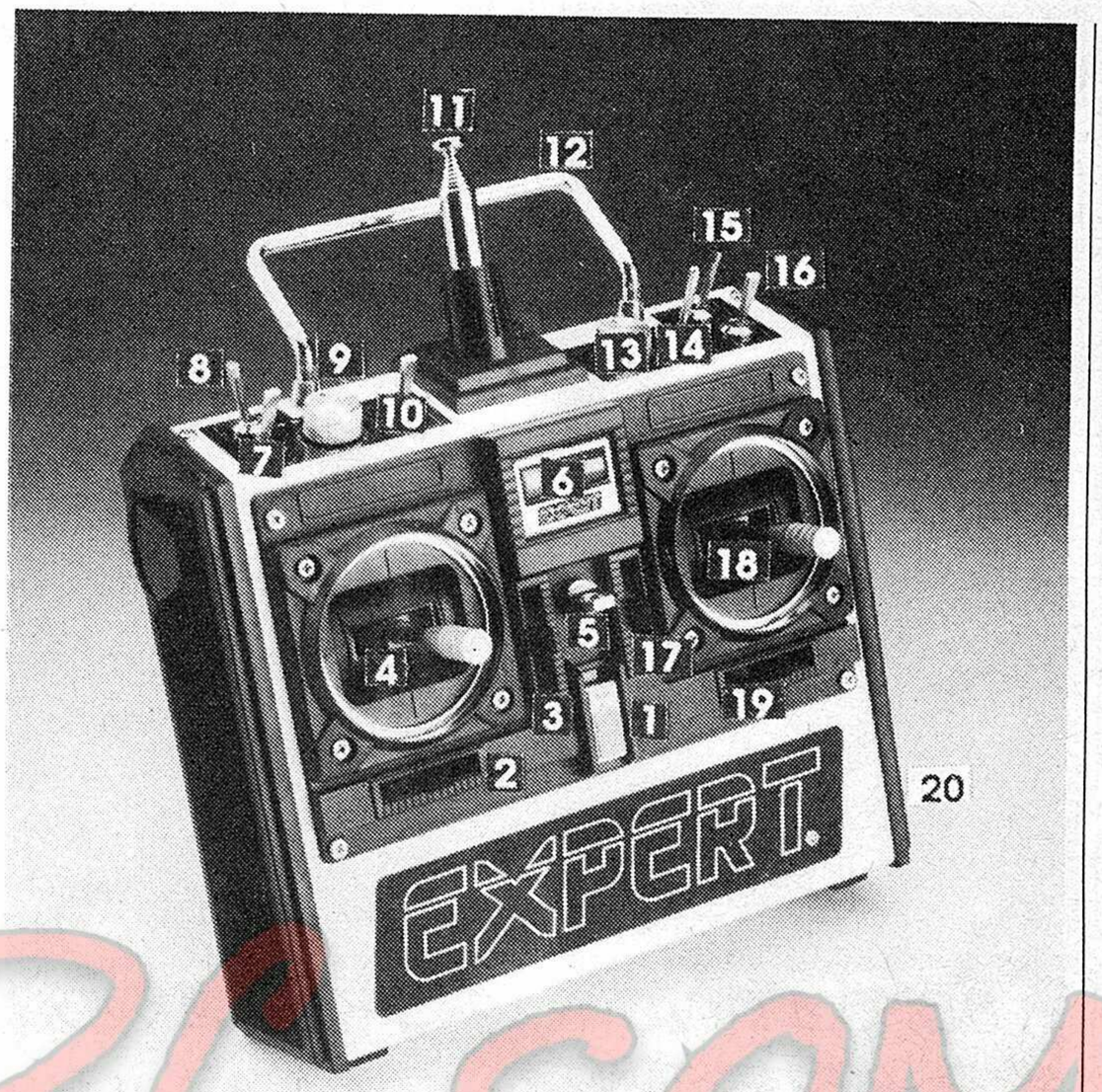
Logical
The Choice!™



TRANSMITTER FUNCTIONS

1. Power switch (off/on)
2. Channel 4 trim - (rudder)
3. Channel 3 trim - (throttle)
4. Channels 3&4 stick - (throttle & rudder)
5. Neck strap anchor
6. RF power output meter
7. Channel 2 dual rate switch - (elevator - off/on)
8. Channel 5 - (retracts - off/on)
9. Channel 6 - (flaps - 41 stop ratchet)
10. Channels 1&4 / 4&1 mixing switch (aileron & rudder - on/center off/on)
11. Antenna (collapsible)
12. Transmitter carrying handle
13. Channels 2&6 / 6&2 mixing adjustment
14. Channels 2&6 / 6&2 mixing switch (elevator & flaps - on/center off/on)
15. Channel 7 switch (accessory channel - on/center off/on)
16. Channel 1 dual rate switch - (aileron - off/on)
17. Channel 2 trim - (elevator)
18. Channels 1&2 stick - (aileron & elevator)
19. Channel 1 trim - (aileron)
20. NiCad battery charging jack (center - positive)



EXPERT®FM SYSTEM

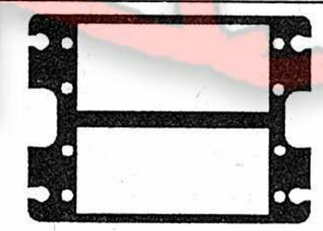
		RETAIL
21168	FM 72MHz SYSTEM	$339.95
21733	FM CRYSTAL FILTER RECEIVER	$69.95
21430	FM TX MODULE WITH RX CRYSTAL	$49.95
21465	FM RECEIVER BATTERY PACK	$14.95
21453	FM CHARGER	$12.00
21466	FM SWITCH HARNESS	$7.50
21516	FM 1.6 BATTERY PACK	$21.75

EXPERT®FM REPLACEMENT PARTS

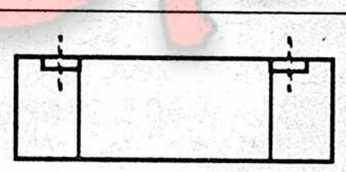
21424	FM TRANSMITTER ANTENNA	7.95
21425	FM TRANSMITTER BATTERY PACK	35.00
21428	FM TRANSMITTER BACK DOOR	1.00
21426	FM TRANSMITTER END PLATES	2.00
21464	FM TRANSMITTER NECK STRAP	5.95
21429	FM TRANSMITTER FUSE	0.50
21452	FM RECEIVER CASE	1.00
21653	72MHz FREQUENCY FLAG	1.49
21462	FM 12 INCH EXTENSION	4.50
21463	FM 24 INCH EXTENSION	5.00
21461	FM 'Y' CONNECTOR	5.95

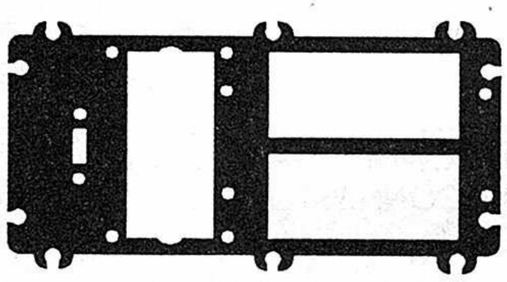
EXPERT®S-25 SERVO, REPLACEMENT PARTS, & ACCESSORIES

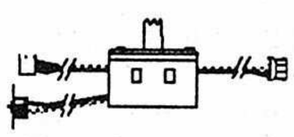
11402	S-25BB SERVO WITH EXPERT CONNECTOR	39.95
11403	S-25BB SERVO WITH FUTABA CONNECTOR	44.95
21274	S-25 SERVO WITH EXPERT CONNECTOR	29.95
21344	S-25 SERVO WITH FUTABA CONNECTOR	34.95
21894	S-25 ACCESSORY PACK	2.95
21468	S-25 SERVO TRAY 2 + 1	3.50
21469	S-25 SERVO TRAY 2 WINDOW	2.50
21522	S-25 SERVO TRAY SET (3 & 2)	5.75
21454	S-25 SERVO HARDWARE PACK	1.50
21455	S-25 SERVO GEAR SET	1.55
21456	S-25 SERVO CASE	2.20
21459	S-25 SERVO OUTPUT ARM	0.80
21460	S-25 SERVO CONNECTOR WITH WIRE	1.25
21511	SERVO CONNECTOR WITH O WIRE	1.00
22605	S-25X SERVO CASE	2.20
22606	S25X SERVO GEAR SET	2.20

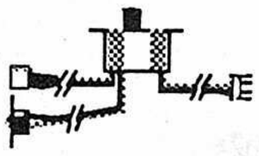

2 WINDOW TRAY

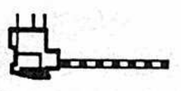
SINGLE TRAY


AILERON TRAY


2 + 1 TRAY

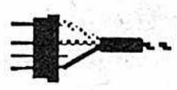

STD. SWTICH


1/4 SCALE

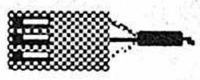

FUTABA CONN.

JR CONN.

EXPERT CONN.


O.S. CONN.

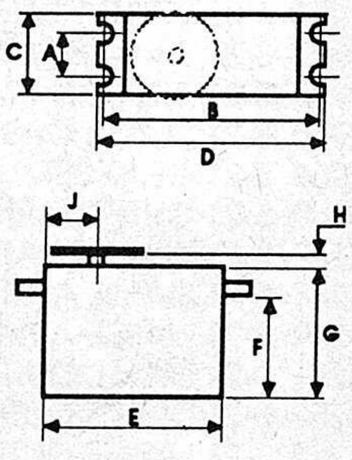
MITSUMI CONN.

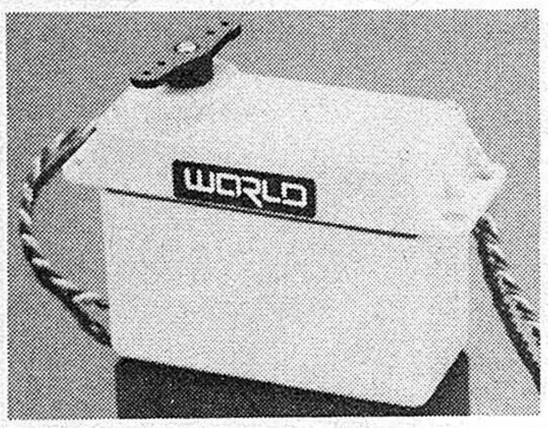

MOLEX CONN.

AILERON EXTENSION

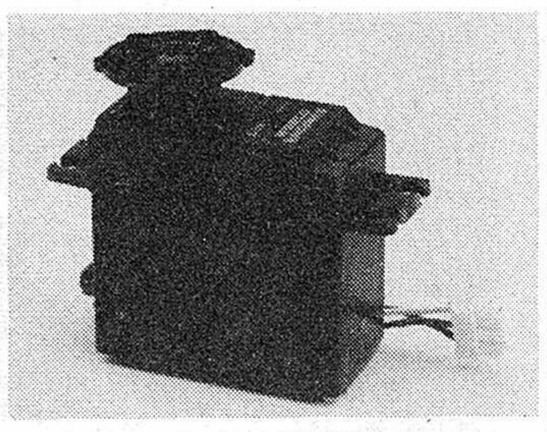
'Y' SERVO CONNECTOR

	S-16	88MG	S-25	S-29
A	.680	.250	.375	.375
B	2.825	1.400	1.860	2.000
C	1.125	.470	.783	.783
D	3.175	1.600	2.050	2.210
E	3.500	1.220	1.600	1.615
F	1.485	.750	1.210	1.136
G	2.100	1.125	1.600	1.617
H	.300	.200	.260	.260
I	.525	.355	.410	.400
Wght (oz.)	3.50	.50	1.61	1.75
Torque (oz./in.)	180.0	14.0	32.0	34.0



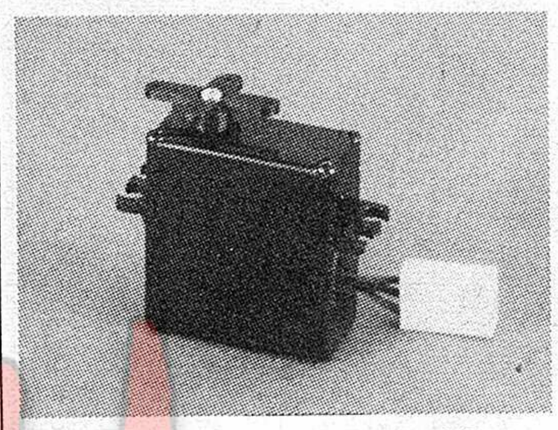


S-16 SERVO



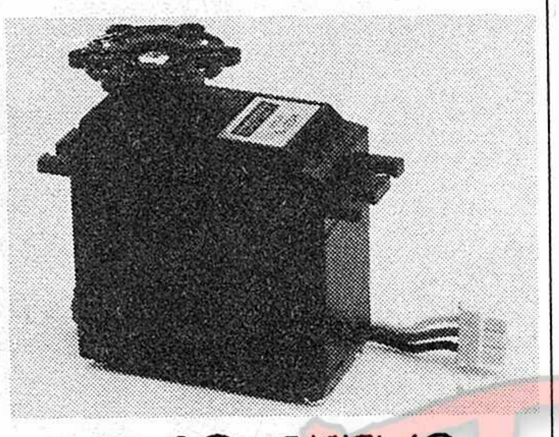
S-25 SERVO

(S-25BB LOOKS IDENTICAL)



88MG SERVO

(S-22 LOOKS IDENTICAL)



S-29 SERVO

OPTIONAL EXPERT® SERVOS, PARTS, & ACCESSORIES — **RETAIL**

16704	S-16 1/4 SCALE SERVO 4 PIN CONNECTOR	54.95
16721	S-16 TWIN SERVO TRAY	2.95
16722	S-16 90 DEGREE AILERON TRAY	2.95
17272	S-16 CASE TOP WITH BUSHING	1.25
17273	S-16 CASE CENTER	1.00
17274	S-16 CASE BOTTOM	1.00
17275	S-16 GEAR SET	4.00
17286	S-11 SMALL ARM	0.75
17287	S-16 LARGE ARM	0.75
17452	S-16 OUTPUT WHEEL	0.75
17656	S-16 HARDWARE PACK	0.75
17678	S-16 1/4 SCALE SERVO MOLEX CONNECTOR	74.95
17679	S-16 1/4 SCALE SERVO MITSUMI CONNECTOR	74.95
18299	S-16 SERVO FUTABA CONNECTOR	58.00
18836	S-16 BOTTOM CASE	1.00
18837	S-16 CENTER CASE	1.00
19302	S-16 ARM SET	1.00
19861	S-16 90F	74.96
19862	S-16 90S	80.96
19989	S-16 TOP (FOR ROUND GEAR)	1.25
20519	S-16 SERVO 90 DEGREE	54.95
21108	S-16 SERVO 5 FUTABA LEAD	92.96
21109	S-16 SERVO 20 FUTABA LEAD	92.96
21515	S-16 SERVO FM CONNECTOR	74.95
21884	S-16 SINGLE TRAY	2.95
17453	S-21 LARGE OUTPUT WHEEL	0.60
17454	S-21 LONG HEAVY DUTY OUTPUT ARM	0.60
17927	S-21 2 + 1 SERVO TRAY	3.50
17928	S-21 AILERON TRAY	1.69
17955	S-21 SERVO CASE SET	2.25
17956	S-21 GEAR SET	1.55
17960	S-21 OUTPUT ARM SET	2.00
18247	S-21 ADJUSTABLE ARM	0.75
18248	S-21 SMALL ARM	0.50
18249	S-21 LARGE ARM	0.50
18251	S-21 SMALL OUTPUT WHEEL	0.50
18252	S-21 LARGE OUTPUT WHEEL WITH HOLES	0.60
18253	S-21 LARGE OUTPUT WHEEL PLAIN	0.60

OPTIONAL EXPERT® CONTINUED — **RETAIL**

21471	S-26 SERVO ARM SET	2.00
21470	S-26 SERVO GEAR SET	2.00
21885	88MG SERVO (FM CONNECTOR)	56.95
21886	88MG SERVO (FUT. CONNECTOR)	58.95
22688	GEAR SETS FOR THE 88MG SERVO	12.95
22689	SERVO ARMS FOR 88MG SERVO	2.65
18454	S-22 GEAR SET	1.55
18514	S-22 OUTPUT ARM	0.50
18896	S-22 GEAR SET	1.55
21215	S-22 SERVO CASE	2.25
21470	S-26 SERVO GEAR SET	2.00
21471	S-26 SERVO ARM SET	2.00
14412	20 SERVO EXTENSION O.S. CONNECTOR	5.00
14413	20 SERVO EXTENSION MITSUMI CONNECTOR	5.00
14414	31 SERVO EXTENSION O.S. CONNECTOR	5.50
14415	31 SERVO EXTENSION MITSUMI CONNECTOR	5.50
14658	Y CONNECTOR MITSUMI CONNECTOR	5.95
14659	SERVO EXTENSION MITSUMI CONNECTOR	4.50
14660	SERVO EXTENSION O.S. CONNECTOR	4.50
14661	Y CONNECTOR O.S. CONNECTOR	5.95
17673	SERVO EXTENSION 12 MOLEX CONNECTOR	4.50
17674	Y CONNECTOR MOLEX CONNECTOR	5.95
17701	SERVO EXTENSION 20 MOLEX CONNECTOR	5.00
17702	SERVO EXTENSION 31 MOLEX CONNECTOR	5.50
16202	8 CELL EXPERT TX BATTERY CASE 9V	2.00
16203	8 CELL TX BATTERY BOTTOM CASE 9V	1.00
16204	8 CELL TX BATTERY TOP CASE 9V	1.00
16719	1.6 SUB C RX BATT PACK 4 PIN CONNECTOR	21.75
17620	500 4 PENCELL BATTERY PACK MITSUMI CONNECTOR	12.95
17637	500 RX PENCELL PACK 4 PIN CONNECTOR	12.95
17688	500 4 PENCELL BATTERY PACK MOLEX CONNECTOR	12.95
17690	1.6 SUB C RX BATTERY PACK MITSUMI CONNECTOR	21.75
17691	1.6 SUB C RX BATTERY PACK MOLEX CONNECTOR	21.75
17727	500 BATTERY CASE (AA)	2.00
17669	DUAL CHARGER MOLEX CONNECTOR 120VAC	14.95
17918	IV CHARGER FOR 1.6	14.95
17705	MARK 9,10 RECEIVER	59.95
19234	MARK 9, 10 BATTERY PACK	24.95
18435	4 CHANNEL PUP RECEIVER	59.95
13575	SWITCH COVERS	0.35
14374	SWITCH HARNESS ASSEMBLY 3 WIRE O.S. CONNECTOR	10.50
14657	SWITCH HARNESS MITSUMI CONNECTOR	10.50
15161	SWITCH HARNESS WITH O.S. CONNECTOR	10.50
15329	SINGLE CHARGER ASSEMBLED	10.95
17334	HEAVY DUTY SWITCH HARNESS MITSUMI CONNECTOR	10.50
17335	HEAVY DUTY SWITCH HARNESS O.S. CONNECTOR	10.50
17671	SWITCH HARNESS MOLEX CONNECTOR	10.50
17672	1/4 SCALE SWITCH HARNESS MOLEX	10.50
17696	SWITCH HARNESS CHARGER BOARD	1.00
21213	SWITCH HARNESS FOR MINI FLIGHT PACK	3.95
21708	HEAVY DUTY SWITCH HARNESS (FM CONNECTOR)	10.50

ULTRA-COM

NEW!

Our new Expert Junior™ radio system is designed for use in cars, trucks, boats, etc. that use two channels. The system comes with a transmitter, receiver, servos, battery case/switch harness, and servo hardware. Both the transmitter and receiver crystals can be replaced with crystals of different frequencies. This is handy when someone is on your frequency. Just unplug the original crystals and plug in crystals which are on a different frequency.

The transmitter is smaller in size than our regular full size Expert®FM transmitter so that younger children with smaller hands can use it as easily as adults. Both sticks are self centering. The left stick, channel 2, has a two position neutral - normal and offset. When the neutral switch is in the offset position, it allows for more gradual forward control. Both RF output and battery strength are shown in the power meter. On the bottom of the case are the two servo reversing switches (one for each channel).

The receiver is compact to fit in the smallest of applications with ease. It uses the new battery eliminator circuitry which many electric powered models take advantage of which saves on the extra weight of a receiver battery pack.

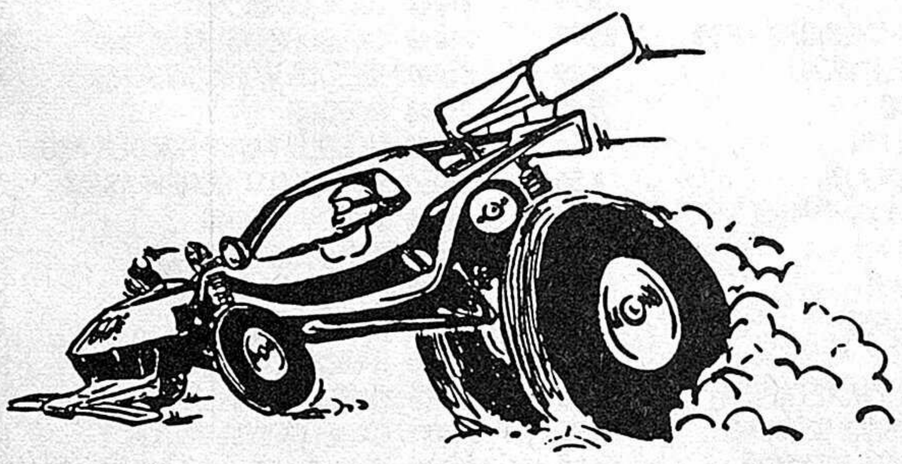
BEC

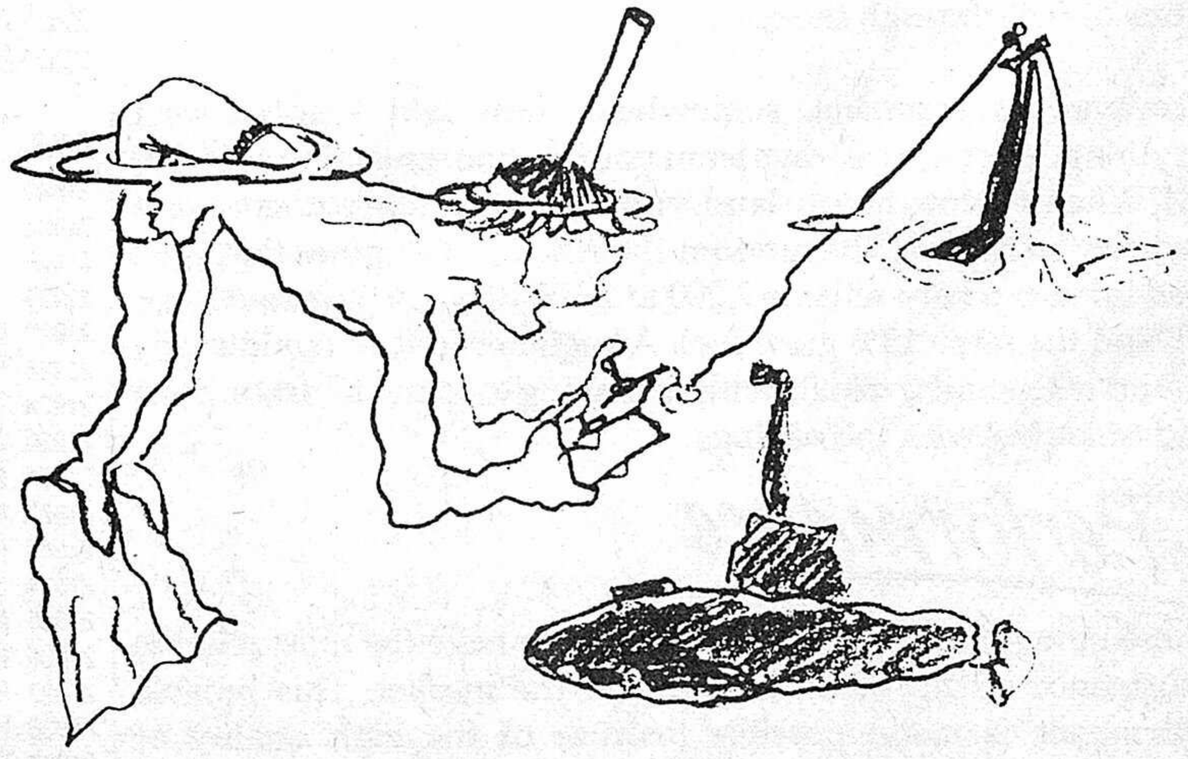
Two servos are included in the system. These servos are water resistant and powerful.

EXPERT JUNIOR™ SYSTEM

EXPERT JUNIOR™ **RETAIL**

10500 TWO CHANNEL RADIO SYSTEM ...NPA





A.S.P.™ Acceleration

Have you ever tried to do a maneuver which requires several different throttle positions and found that your current engine couldn't handle it? For example, let's talk about a simple touch-&-go. You bring the aircraft in line with the runway and cut the throttle down to idle. The plane comes in, gently lands and rolls a couple of feet. You then apply the power only to find that the engine coughs and takes several seconds to come up to full power - ***lack of acceleration***. By this time, your plane is too far down the runway to attempt to take off and even if you do manage to get the plane off the ground, it is probably going to stall.

At World Engines, we don't like this to happen with our aircraft. To achieve the acceleration we wanted in the A.S.P.™ engines, we have developed a carburetor that not only operates smoothly and pre-cisely, but is also extremely easy to set. You can count on the fact that the smooth and precise operation will give you instant response at any throttle setting - a real confidence builder. Also, we decided to only include the carburetor adjustments that you need - the high speed needle valve, idle needle valve, and the carburetor drum stop screw. Oh, one more thing - once you set these adjustments, they stay where you put them.

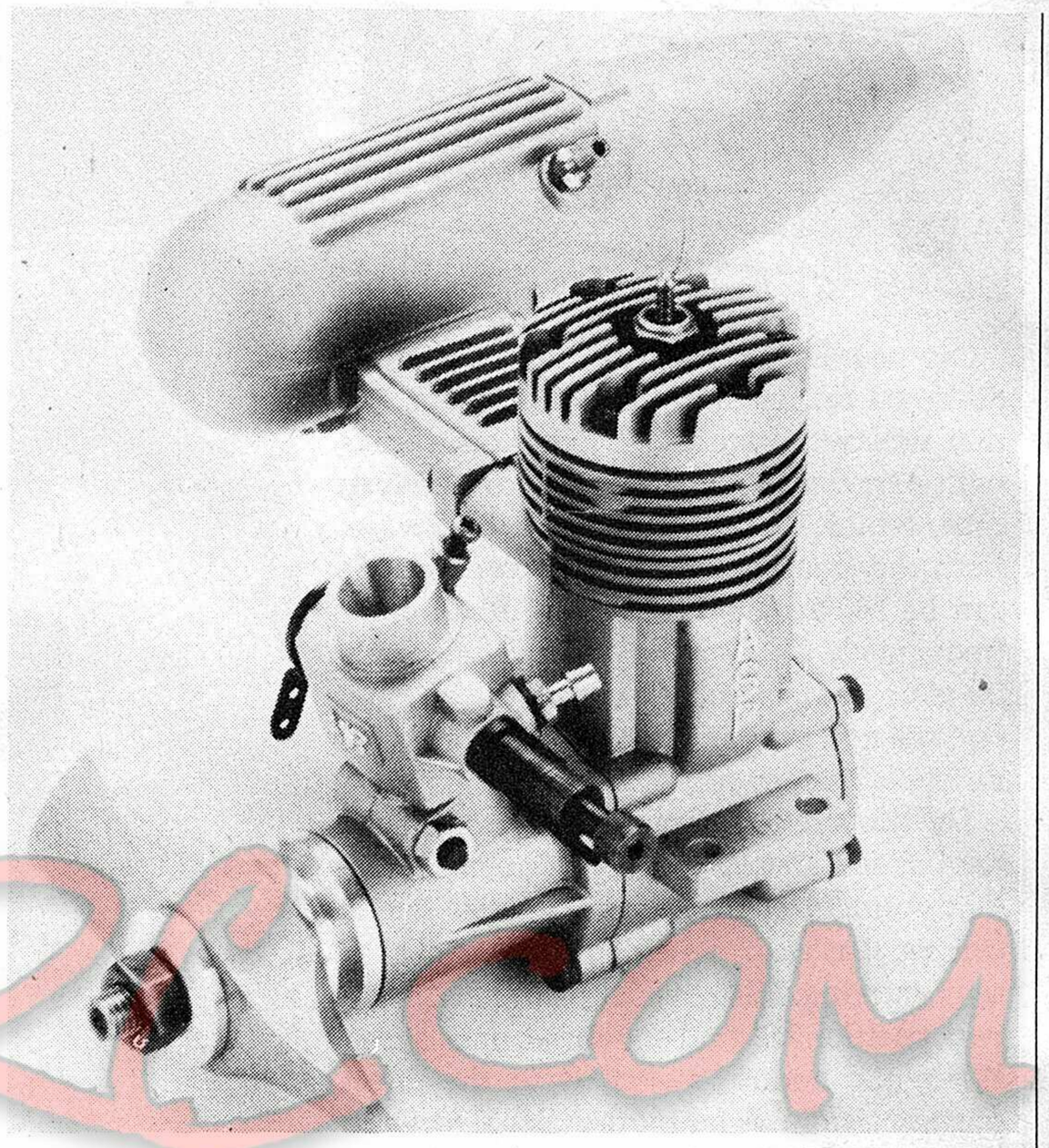
Speed

Of all the things the A.S.P.™ engines have going for them, their speed right out of the box is what will probably surprise you the most. The A.S.P.™ .40 FSR ABC engine with the standard muffler and carburetor whips a 10 x 6 prop around at 15,000 RPM right out of the box. It doesn't require any fancytuned pipes, exotic fuel mixtures or years of experience to achieve these results. During the first production run of 1000 engines, 100 A.S.P.™ .40's were randomly picked out and run. All of these engines were tached anywhere from 15,000 up to 15,600 RPM using a 10 x 6 prop and 15% glow fuel. Several of the engines increased by 400-600 RPM after running 2 gallons of fuel through them.

However, as someone, somewhere once said - speed isn't everything. You won't always want your engine screaming at 15,000 RPM. When it comes time to land, you need a nice idle you can count on when you need it. The random 100 A.S.P.™ .40 engines that were tested idled at a very reliable 2,200 to 2,600 RPM on the same 10 x 6 prop and the same 15% glow fuel. A beginner in R/C could easily come up with similar results without having to spend hours on a test stand tinkering with the settings.

Performance

These new A.S.P.™ engines are proving to have the most reliable performance of any other engines on the market. This reliable performance is made possible because of the high quality of engineering done on the inside of the engine.



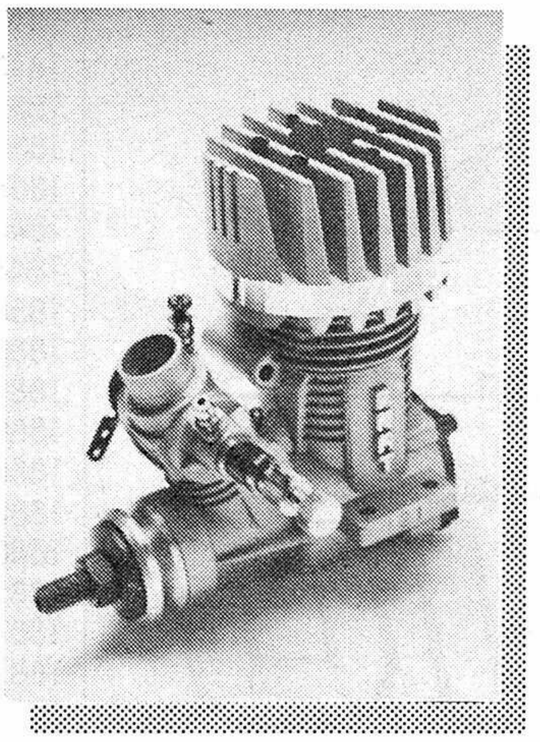
A.S.P.™ .40 FSR ABC

ABC piston/cylinder assemblies which are used in the A.S.P.™ engines provide very high compression. The crankcase is Schneurle ported and the crankshaft is supported by high precision ball bearings which are capable of handling these high speeds. The entire crankshaft is polished to a mirror finish. All of the internal parts also have a very smooth finish.

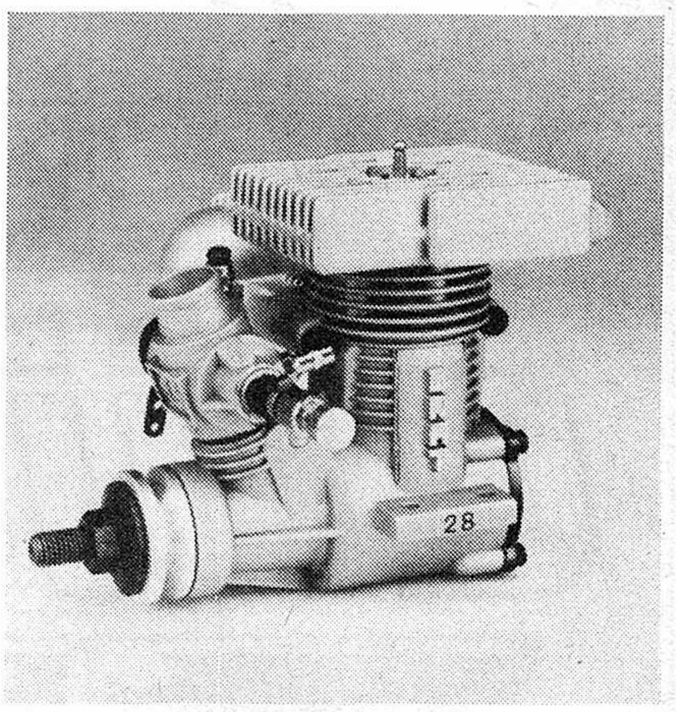
A.S.P.™	ENGINES	RETAIL
21921	40 FSR ABC W/M	95.00
22608	46 ABC W/M	NPA
22609	61 ABC W/M	NPA
22610	61 HELICOPTER ABC	NPA
22611	61 MARINE ABC	NPA
22612	77 DUCTED FAN ABC	NPA
22613	90 ABC W/M	NPA

A.S.P.™	.40 REPLACEMENT PARTS	RETAIL
21923	CASE	16.75
21924	FRONT HOUSING	13.00
21925	SHAFT	19.75
21926	PISTON/CYLINDER ASSM.	36.75
21927	CYLINDER HEAD	4.50
21928	CONROD	8.95
21929	PISTON PIN	1.50
21930	COVERPLATE	4.50
21931	DRIVE WASHER	3.50
21932	PROP WASHER	0.50
21933	PROP NUT	0.25
21934	SCREW SET	1.50
21935	GASKET	0.75
21936	PISTON PIN RETAINER	0.45
21937	FRONT BALL BEARING	2.75
21938	REAR BALL BEARING	4.50
21939	WRENCH SET	0.45
21941	MUFFLER	8.95

A.S.P.™	.40 PARTS CONTINUED	RETAIL
21942	MUFFLER MOUNTING SCREW	0.25
21943	PRESSURE FITTING	0.90
21944	LOCK CONE	0.85
21946	CARBURETOR ASSEMBLY	29.50
21947	NEEDLE VALVE ASSEMBLY	8.50
21948	NEEDLE	4.50
21949	NEEDLE VALVE HOLDER ASSM.	3.95
21950	ROTOR ADJ. SCREW ASSM.	3.50
21951	ROTOR SPRING	NPA
21952	CARBURETOR ARM	NPA
21953	O'RING	NPA
21954	LOCK PIN & NUT	1.75
21955	RATCHET SPRING	NPA
21956	CARBURETOR BODY	NPA
21957	CARBURETOR ROTOR	NPA
21958	FUEL INLET	NPA
21959	CARBURETOR PACKING	NPA
21960	IDLE ADJUSTING VALVE	NPA



BRAT .21™ CAR



BRAT .28™ HELI

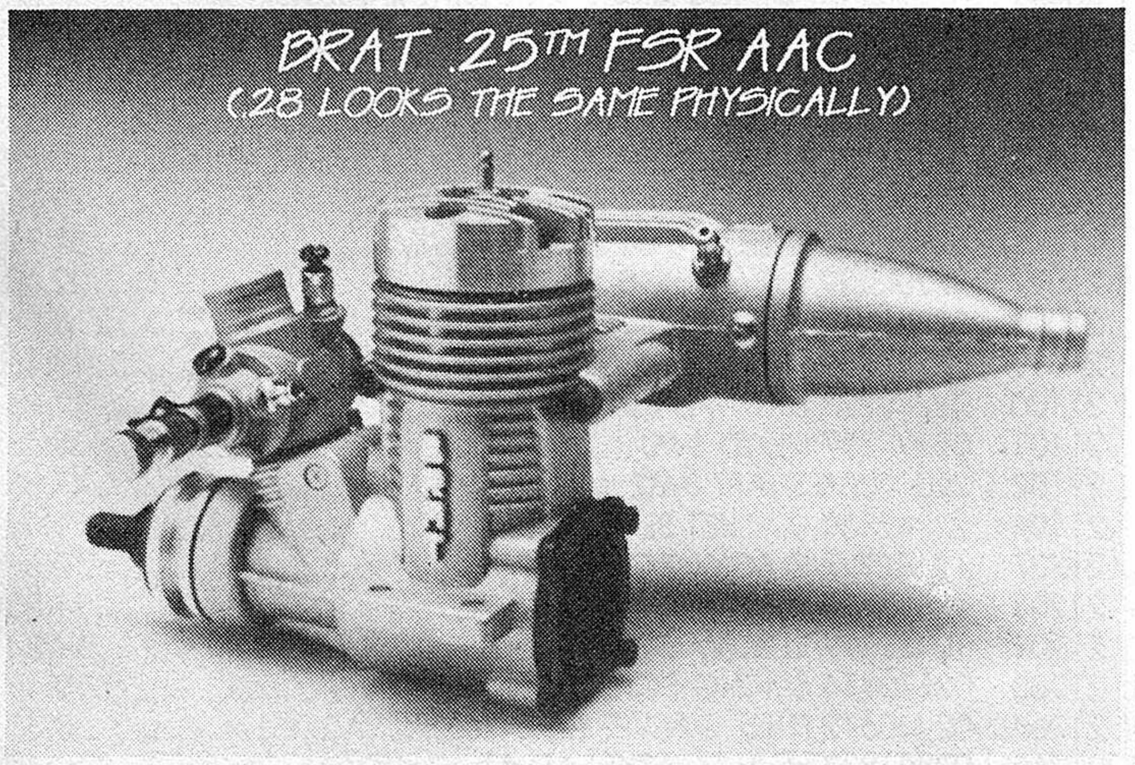
These engines offer a revolutionary advance in the piston/cylinder metallurgy; AAC (an aluminum piston running in a chromed aluminum cylinder sleeve). AAC allows the engine to be lighter, yet run at faster speeds than the ABC engines. Also, the pistons and cylinders are totally interchangeable with no loss in torque or top RPM.

Engine	R.P.M.	Prop
Brat™ 21-C	12,100	N/A
Brat™ 25 R/C	12,150	9x6
Brat™ 28 R/C	12,300	9x6
Brat™ 28 H	12,300	9x6

The Brat™ 21 Car engine is designed for 1/8 scale gas cars. It comes with a special deep finned cooling head for maximum cooling inside the body of a car. With Schnuerle porting and the advanced AAC cylinder/piston technology, it has a very high top RPM, but also idles nicely.

The Brat™ 25 engine is an incredible powerhouse. It swings 9x6 props at 12,150 RPM. This is a bigger prop than most .25 sized engines can effectively use. The exhaust port on the muffler is made on an angle so the exhaust goes away from the plane. The muffler and carburetor are standard on this engine.

The Brat™ .28 is a bored-out version of the 25 R/C. Since it is bored out, the power and torque are increased, this means you can fly slightly heavier airplanes or add a little power to one of your .25 sized planes. The helicopter version is the answer for all the new smaller .28 sized helicopters: GMP's' Shuttie & Cricket, etc. It has good top end and reliable performance.



BRAT™ ENGINES	RETAIL
21258 BRAT™ 21 AAC CAR	69.95
21220 BRAT™ 25 AAC W/M	59.95
21259 BRAT™ 28 AAC W/M	69.95
21260 BRAT™ 28 AAC HELICOPTER	72.95

BRAT™ REPLACEMENT PARTS	
21221 E-002/003 CYLINDER HEAD BRAT™ 25	8.28
21222 E004/005 CYLINDER/PISTON BRAT™ 25	17.60
21223 E-021/022 DRAW BAR BRAT™ 25	1.15
21224 E-007 PISTON PIN 25/28/28H/21C	1.15
21225 E-008 KEEPER 25/28/28H/21C	0.85
21226 E-011 CRANKSHAFT BRAT 25	12.35
21227 E-012 FRONT BEARING 25/28/28H/21C	6.38
21228 E-013 REAR BEARING 25/28/28H/21C	6.38
21229 E-006 CONROD 25/28/28H/21C	9.25
21230 E009/010 BACKPLATE 25/28/28H/21C	1.70
21231 E-001 CRANKCASE BRAT™ 25	21.55
21232 E014/015 DRIVE WASHER 25/28/28H/21C	3.35
21233 E-016 PROP WASHER 25/28/28H/21C	0.45
21234 E-017 PROP NUT 25/28/28H/21C	0.45
21236 E-023/023-1/025/034 NVA (ALL ENGINES)	5.30
21237 E-023 NEEDLE (ALL ENGINES)	1.85
21238 CARBURETOR PACKING BRAT™ 25	0.30
21239 E-028 CARBURETOR COMPLETE 25/28/28H	14.10
21240 MUFFLER BRAT™ 25/28/28H	8.80
21241 MUFFLER SCREW SET BRAT™ 25	0.75
21242 E-018/019 SCREW SET 25/28/28H/21C	3.10
21244 PRESSURE FITTING BRAT™ 25	0.85
21245 E-010/020-1/035/027/003 GASKET SET	1.10
21622 E001 CRANKCASE 21 CAR	21.56
21623 E-001 CRANKCASE 28/28H	23.76
21624 E002/3 CYLINDER HEAD & WASHER 21 CAR	10.12
21625 E002/3 CYLINDER HEAD & WASHER 28 AIR	8.32
21626 E002/3 CYLINDER HEAD & WASHER 28H	10.12
21627 E004/5 CYLINDER PISTON 28AIR/28HELI	19.80
21628 E-011 CRANKSHAFT 21 CAR	12.32
21629 E-011 CRANKSHAFT 28 AIR	12.32
21630 E-011 CRANKSHAFT 28 HELI	14.08
21631 E-028 CARBURETOR 21 CAR	14.08
21633 E-004/5 CYLINDER/PISTON 21 CAR	22.00
21898 O RING FOR NVA	0.25

COMO REPLACEMENT PARTS		RETAIL
10204	02220291 PROP WASHER (29-40ABC)	1.32
10207	02110245 PROP NUT (29-40-51)	0.56
10213	02100234 LOC CONE (29-40-51)	0.56
10216	02221058 DR WASHER (29-40-51)	2.88
10219	02220294 SHAFT SPACE WASHER(29-51)	0.68
10220	02220295 SHAFT SPACE WASHER (29-51)	0.68
10246	22240332 GASKET	1.40
10287	22070157 RC NVA (29)	10.00
10292	22070648 NEEDLE VALVE ASSEMBLY	9.25
10296	02260353 STND NEEDLE (ALL ENGINES)	0.85
10300	02260351 IDLE NEEDLE MAG (29-51)	2.48
10307	22130249 SNAP RING (51ABC-40ABC)	1.40
10313	22210286 FUEL NIPPLE (ALL ENGINES)	1.40
10325	02020562 O'RING (40ABC-51-61-75)	0.96
10326	02020561 O'RING VENTURI (29)	0.56
10351	02300404 SPRAY BAR MAG IV (29)	6.48
10355	02300613 SPRAY BAR (61-75)	7.04
10365	02320520 CARBURETOR BODY (29)	9.20
10377	02310502 VENTURI DR VALVE (29)	6.48
10389	02330500 CARBURETOR ARM G21 (29)	1.04
10390	02330503 CARBURETOR ARM (61-75)	1.04
10394	22250346 SPRING/SCREW SET (ALL ENG)	0.84
10395	02250445 CAM SCREW (40-75)	0.68
10397	22080210 RETAINER (29)	0.68
10399	22080212 RETAINER (40-75)	0.92
10406	02110136 LOC NUT (ALL ENGINES)	0.84
10407	02110247 CARBURETOR NUT (ALL ENGINES)	0.48
14497	02231279 RING X40 FI SP	6.72
14552	22011243 SHAFT (40ABC)	30.92
14825	02231205 PISTON RING (61 RING)	7.64
15117	02121059 RR BEARING (61 RING	9.92
15180	02281151 BACKPLATE D (75)	11.08
15736	02301138 SPRAY BAR MAG VI	6.60
15812	02170815 MAG V DRUM SPRING (61-75)	0.28
16079	02281232 BACKPLATE (40-51)	7.60
16935	02201615 PISTON (COMO 40)	16.24
17245	02041612 S40 SLEEVE	21.20
17290	22251614 SCREW SET (40-51)	1.40
17802	02271616 WRIST PIN (40-51)	6.12
18111	02121100 REAR BEARING	12.88
18113	22251749 SCREW SET	1.40
18130	22251751 SCREW SET	1.40
18329	02291813 HEAD (61)	33.12
18334	02121803 REAR BEARING Y17 (61-75)	14.52
18484	02201536 PISTON (51 RING)	12.45
18486	22011556 SHAFT (51 RING)	30.92
18487	22241597 GASKET SET (51 RING)	1.40
18502	22300828 PRESSURE FITTING (61-75)	0.50
18803	P02041846 SLEEVE (61 RING)	34.04
18804	02201847 PISTON (61 RING)	20.24
18805	02271773 WRIST PIN (61)	6.72
18806	02281848 BACKPLATE (61)	11.08
18808	02121908 FRONT BEARING (61-75)	8.08
18809	02221907 REAR DRIVE WASHER (61-75)	4.48
18810	02221903 FRONT WASHER (61-75)	2.48
18811	02101912 LOC CONE (29-61-75)	1.80
18812	02281849 FRONT COVER (61)	18.64
18814	22251853 SCREW SET (61)	1.35
18815	22131638 PIN RETAINER (61)	1.40
18817	02091850 PISTON CYLINDER ASSEMBLY (61ABC)	64.76
18818	02291901 HEAD (75)	35.48
18819	02041895 SLEEVE (75)	39.72
18820	02201902 PISTON (75)	22.00
18821	02231893 PISTON RING (75)	8.64
18822	02271887 WRIST PIN (75)	6.72
18823	02031897 CONROD (75)	19.92
18827	22131886 PIN RETAINER (75)	1.40
18828	2251906 SCREW SET (75)	1.40
18871	02121911 FRONT BEARING (40-51)	7.88
19314	02611992 INSERT	1.20
19322	02292096 HEAD (29)	14.68
19325	02232100 RING (29)	6.72
19326	02272103 WRIST PIN (29)	6.12
19328	02032102 CONROD (29)	16.80
19331	22132077 PIN RETAINER (29)	0.68
19332	22242101 GASKET (29)	1.25
19337	22211868 PRESSURE FITTING 3MA STEEL	1.40
19339	22242039 GASKET SET	1.40
19347	22241854 GASKET SET (61)	1.40
19386	02291958 HEAD (40 ABC)	18.80
19387	02091959 CYLINDER ASSEMBLY (40 ABC)	44.48
19390	02291976 HEAD (51 ABC)	18.80
19391	02091981 CYLINDER ASSEMBLY (51 ABC)	44.48
19392	22241979 GASKET SET (51 ABC)	1.40
19597	22011998 SHAFT (75)	47.56
19993	22251796, STANDARD MUFFLER SCREW SET	1.15
20356	02331633 CARBURETOR ARM 40-61-75	1.04
20402	22012245 SHAFT 61	47.56
20893	12492199 TUNED PIPE S-61	46.48
20981	02172210 SPRING FOR CARBURETOR (90)	0.88
20994	02032121 CONROD 61	19.92
20995	02032243 CONROD S-40	14.84
20999	02112167 PROP NUT 75	1.85
21051	022711572 WRIST PIN COMO 51	6.12
21094	02032272 CONROD S-90	39.72
21095	02042235 SLEEVE S-90	39.72
21097	02202229 PISTON S-90	22.00
21098	02232277 RING S-90	8.64
21099	02282239 FRONT COVER S-90	18.16
21100	02282258 BACKPLATE S-90	11.08
21101	02292257 HEAD S-90	35.48
21102	22012206 SHAFT S-90	47.56
21104	22242334 GASKET SET S-90	1.40
21207	12482297 ELBOW COMO 29	10.64
21208	12482298 ELBOW COMO 40-51	11.35
21209	12482299 ELBOW COMO 61-75-90	11.84
21263	02170814 SPRING SCREW STOP	0.15
21264	02240812 FRNT GASKET (2) 61	0.40
21265	02241833 HEAD GASKET (1) 61	0.40

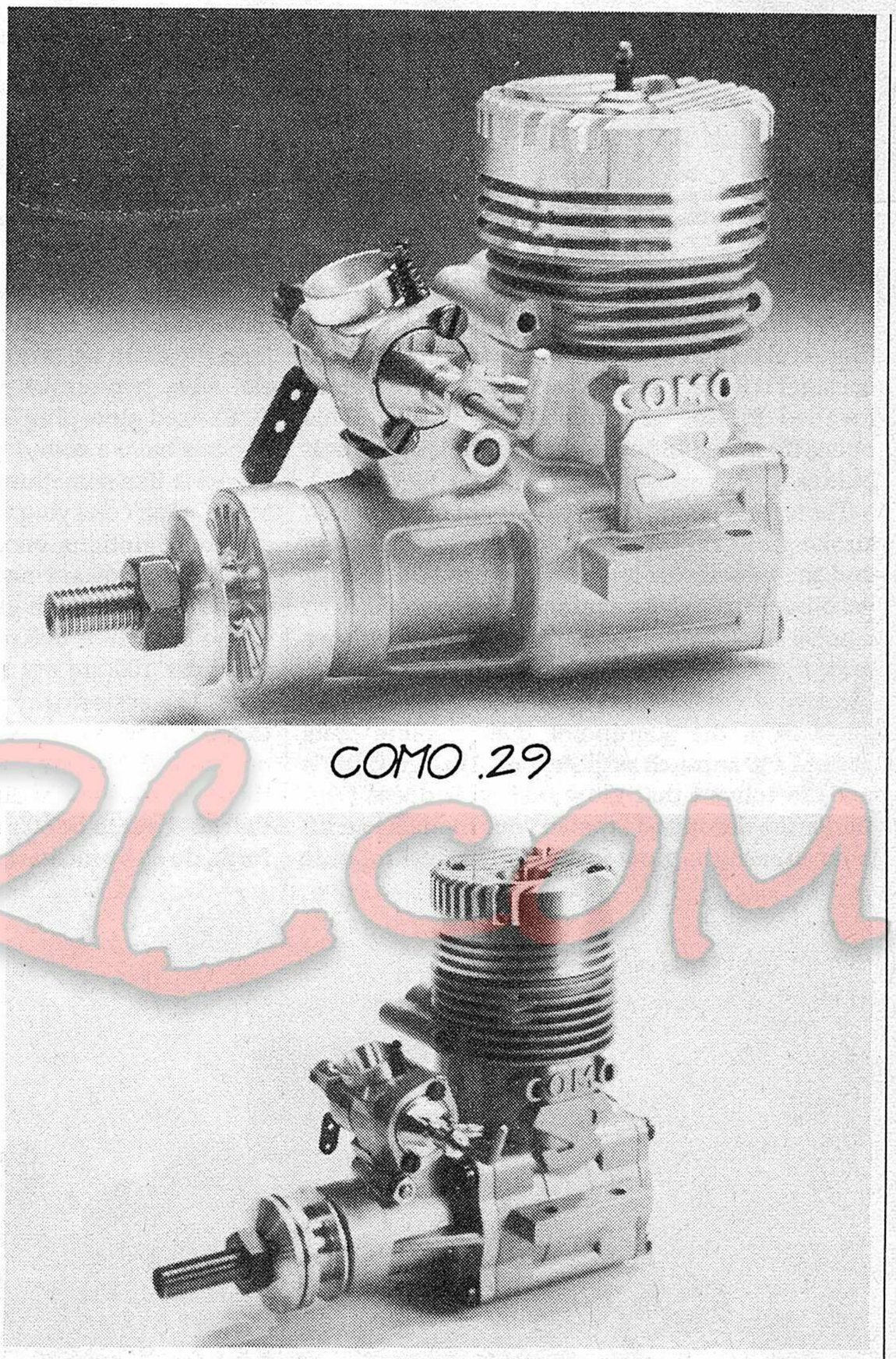
WITZARD

21266	02250858 FRT/R SCREW (4) 61-75	0.80
21267	02251701 HEAD SCREW (4) 61-75	0.80
21268	02251920 HEAD SCREW (4) 75	0.80
21275	02042395 SLEEVE 51 RING SCH	25.60
21276	02202393 PISTON 51 RC RING SCH	17.60
21277	02232394 RING 51 RING SCH	8.64
21278	12162461 CARBURETOR 40 C	32.92
21279	12162462 CARBURETOR 61 C	32.92
21280	12522464 MUFFLER 40-51	22.28
21294	12162470 CARBURETOR COMO 29	32.92
21295	12522465 MUFFLER 61	22.28
21296	12522463 MUFFLER 29	20.48
21297	02262341 NEEDLE MAG S61C	3.00
21298	02312339 DR VALVE MAG S61 C	8.08
21299	02322404 VENTURI MAG S40 C	10.56
21300	02592342 P.O-POWDER HOOD MAG 5	1.20
21301	02621871 INSERT MAG S-40 D 9X8	1.20
21302	02322332 VENTURI MAG S61C	10.56
21303	22082378 RETAINER S61	0.92
21304	02042442 SLEEVE COMO 29	19.68
21305	02052405 CRANKCASE COMO 29	25.68
21306	02202443 PISTON COMO 29	14.08
21307	02282263 BACKPLATE G 350	5.52
21308	22012444 CRANKSHAFT COMO 29	33.24
21309	22242413 GASKET SET COMO 29	1.40
21310	22252051 SCREW SET S15 SIL	1.20
21311	02052398 CRANKCASE COMO 90	39.84
21312	02052290 CRANKCASE COMO 61	49.88
21313	02052250 CRANKCASE COMO 51 SCH	30.32
21314	02292392 HEAD COMO 51 SCH RING	26.40
21315	22251968 SCREW SET COMO 51 SCH	1.40
21316	02052249 CRANKCASE COMO 40 SCH	30.32
21317	02292391 HEAD COMO 40 SCH RING	18.80
21318	02052291 CRANKCASE COMO 75	39.84
21319	02222406 AL WASHER ALB S75	0.68
21320	02282407 FRONT COVER S75	18.64
21612	22071147 NVA (40-51)	10.48
21695	12522524 SWINGING MUFFLER (61)	29.28
21696	12522554 SWINGING MUFFLER (90)	29.48
21822	02042616 SLEEVE COMO 90	50.32
21823	22012447 SHAFT COMO 90	56.68
21824	02042615 SLEEVE COMO 75	50.32
21825	22012446 SHAFT COMO 75	56.44
21826	02042614 SLEEVE COMO 61 RING	40.40
21827	02042611 SLEEVE COMO 40 RING	25.16
21828	12522575 SWINGING MUFFLER 40/51	29.52
21829	02092622 CYLINDER/PISTON COMO 40 ABC	52.80
21830	02291958 HEAD COMO 40 ABC	22.32
21831	02092624 CYLINDER/PISTON COMO 51 ABC	52.80
21832	12522594 SWINGING MUFFLER COMO 29	26.36

In the right column are photos of the Como engines, .29-.90. While we are not selling complete engines anymore, you can use these photos for reference. We still have a pretty good supply on Como replacement parts.

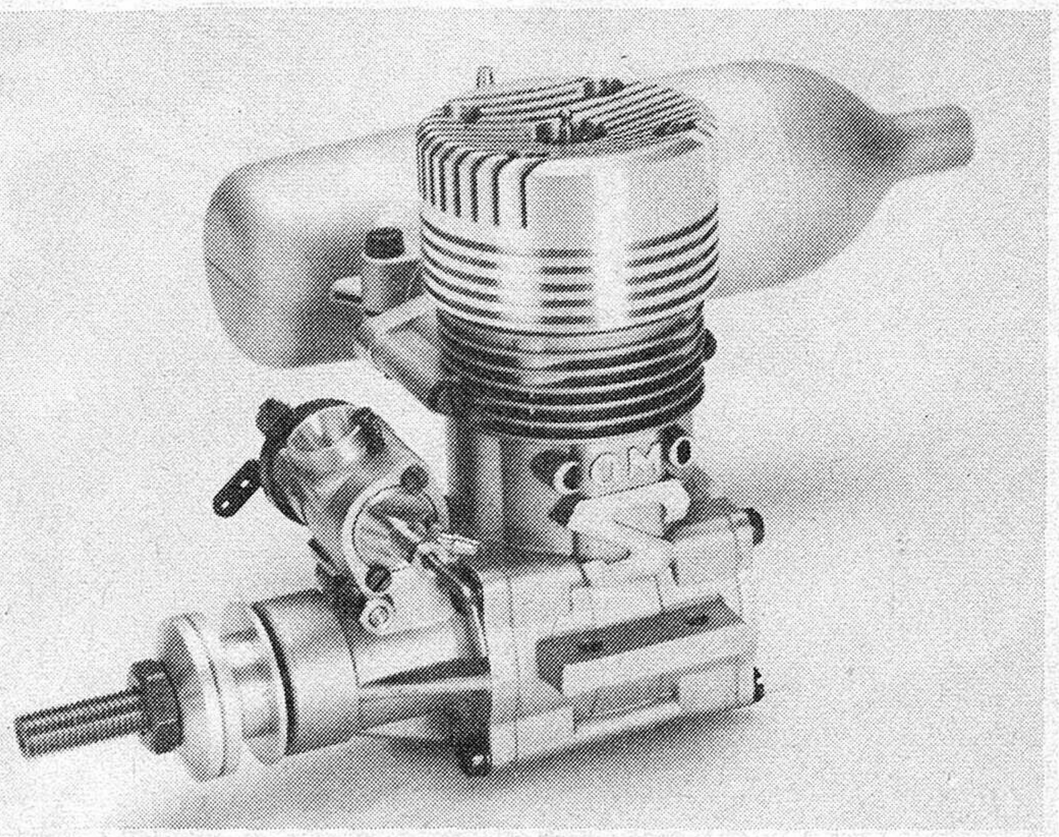
The parts list on pages eight and nine are listed numerically by World Engines catalog number. These supplies are limited and at this time will not be stocked anymore.

WE ARE SORRY FOR ANY INCONVENIENCE.



COMO .29

COMO .61



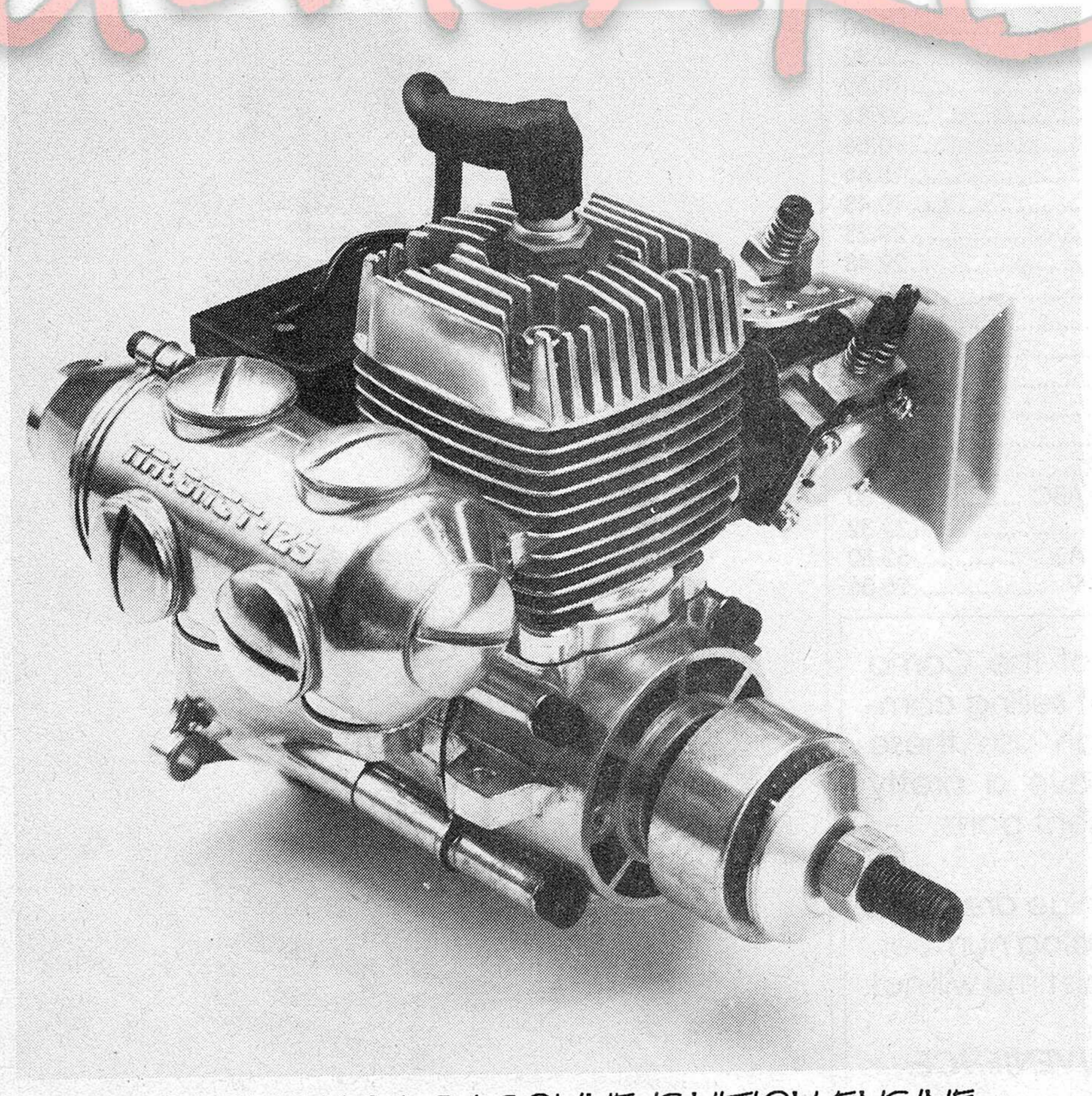
COMO .90

MALONEY

The new Maloney 125 has as much pulling power and perhaps more than most of the 120 four stroke engines on the market today. You can consider it for any of the kits that are being recommended for the 120 four stroke market. This opens up many varieties of kits and design possibilities.

There are some distinct advantages to two stroke glow engines, four stroke glow engines, and the two stroke ignition engines which burn gasoline. Four stroke engines are very good from a noise standpoint. The two stroke glow engines are very good from a power to weight standpoint. The two stroke gasoline ignition engines are very good from the standpoint that gasoline costs about 1/10 as much as glow fuel. Also, gasoline is not the solvent that glow fuel is. It doesn't get under the decorated tape on your models and lift it off as easily as glow fuel will. This fuel mixture burns with 32 parts gasoline to 1 part oil. This makes the clean up on your airplane much easier than the clean up is on glow fuel powered models. Also, two stroke magneto ignition engines don't need glow plug batteries. Magneto ignition engines have a sound that is more realistic. The sound is like something that comes out of a full scale, man carrying, airplane engine. These magneto ignitions, once set up, relieve the operator of the constant needle valve adjusting that seems to go on with glow fuel engines.

The difference between the Maloney 125 and the older 100 are not much in physical appearance. The easiest way to tell the Maloney 125 is that the head is gapped out farther than the head on the old Maloney 100's. Actually, internally there are substantial differences. A lot of engines that start out to be 60's and then go to 75's and so forth, do so by increasing the bore. The same conversion happened with the old Maloney 100. The Maloney 125 has a larger stroke and a larger bore. Also on the Maloney 125, the crankshaft is pressed together and then welded. On the bench, these engines turn approximately 7,500 RPM with a 16 x 8 prop.

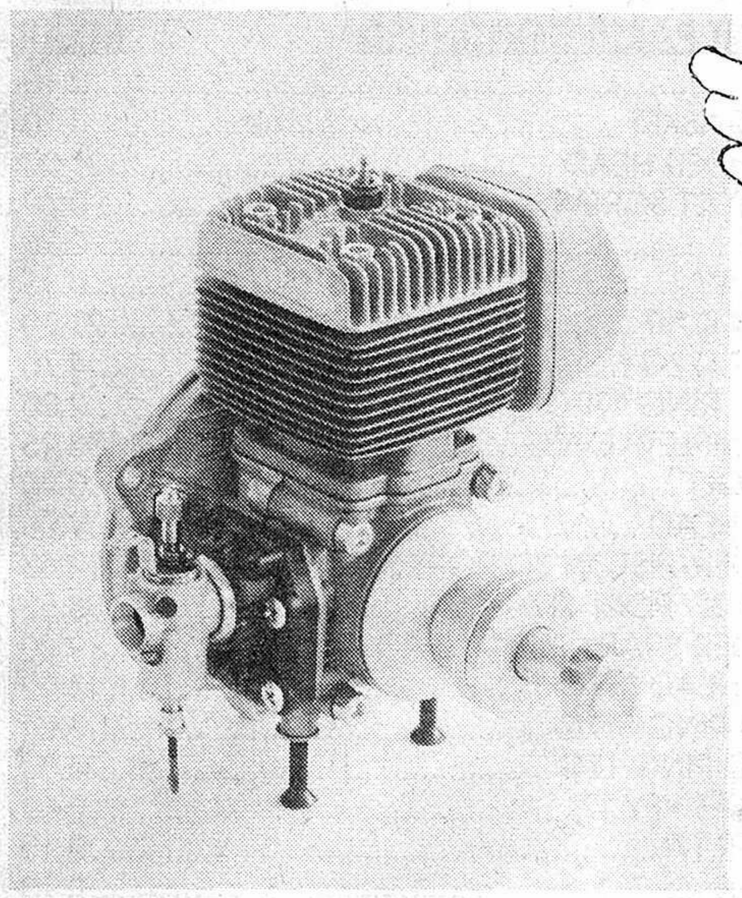


MALONEY 125 GASOLINE IGNITION ENGINE

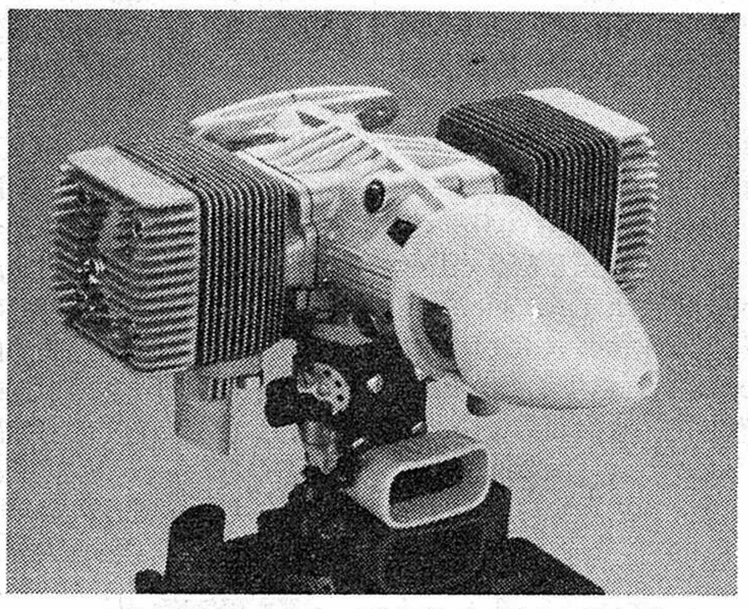
MALONEY 125 ENGINE		RETAIL
21420	MALONEY 125	229.95

M-125 REPLACEMENT PARTS		RETAIL
21811	1-1 CYLINDER WITH LINER	NPA
21812	1-2 CYLINDER HEAD	NPA
21813	1-3&4/4-3 ENGINE GASKET SET	NPA
21378	1-5 CYLINDER STUD SET (4)	3.95
21380	1-6 HEX NUT SET	0.60
21382	1-7 HEAD FLAT WASHER (4)	0.20
21381	1-8 SPRING WASHER SET (LOCK)	0.20
21815	2-1&2 PISTON WITH PIN M-125	NPA
21816	2-3 PISTON RING M-125	NPA
21376	2-4 PISTON PIN CLIP (2)	0.10
21817	3-1 CRANKSHAFT ASSEMBLY	NPA
21389	3-2 PROP NUT 14-M	0.35
21385	3-3 FLYWHEEL NUT 13-ML	0.35
21386	3-4 FLYWHEEL WASHER	0.05
21413	3-5 SPRING WASHER	0.10
21390	3-6 CRANKSHAFT KEY (2)	0.44
21818	4-1 CRANKCASE (F)	NPA
21819	4-1 CRANKCASE (R)	NPA
21370	4-10 CRANKSHAFT SLEEVE	1.95
21414	4-2 CRANKCASE DOWEL BUSH	2.64
21820	4-4 & 5 OIL SEAL SET F & R	NPA
21369	4-6 CRANKSHAFT BEARING (3)	16.52
21368	4-7 & 8 CRANKCASE BOLTS (4)	1.10
21416	4-8 SPRING WASHER	0.10
21821	4-9 ENGINE MOUNT	NPA
21366	4-9 FLYWHEEL COVER (ENGINE MOUNT)	19.00
21387	5-1 DRIVE WASHER	14.95
21388	5-2 PROP WASHER	2.00
21399	6-11 MUFFLER EXTENSION (2)	2.50
21405	6-14 MUFFLER GASKET PIPE SET (3)	0.80
21419	6-15 MUFFLER PIPE (2)	2.00
24465	6-2 MUFFLER BODY F	16.95
21410	6-2 MUFFLER BODY	16.95
21401	6-3 MUFFLER REAR COVER	4.40
21402	6-4&5 REAR COVER SCREWS (2)	0.40
21403	6-6 MUFFLER PLUG (7)	0.75
21404	6-7&8 PLUG GASKET	1.05
21400	6-9&10&12&13 MUFFLER MOUNTING SCREW	1.50
21395	7-1&2&3 CARBURETOR INSULATOR	6.95
21396	7-4 ISOLATOR SCREW SET (2)	0.20
21397	7-5 CARBURETOR SCREW SET (2)	0.40
21407	7-6 CARBURETOR LOCK WASHER SET (2)	0.10
21392	8-1 IGNITION COIL	25.95
21384	8-2 FLY WHEEL	17.95
21393	8-3 MODULE MOUNTING SCREW SET (2)	0.40
21406	8-4&5 MODULE LOCK WASHER SET (2)	0.10
21391	10-1 SPARK PLUG	6.95
21394	10-2 CARBURETOR	31.35
21367	10-3 AIR SCOOP	9.95
21409	11-1 SOCKET WRENCH	4.95
21418	11-2/3/4/ALLEN WRENCH SET	2.00
21417	PROP REAMER	11.00

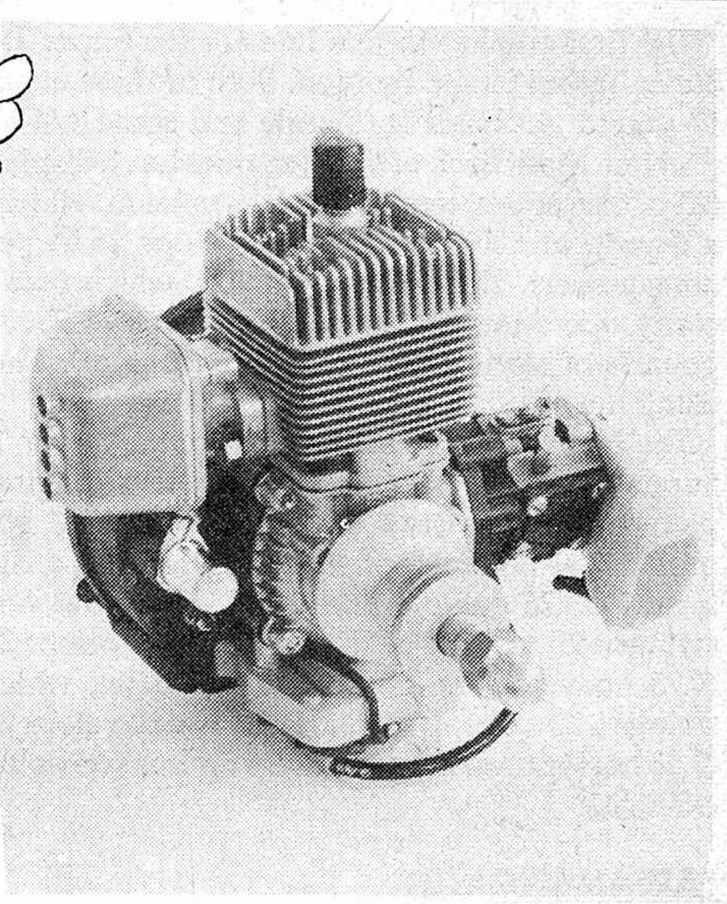
TARTAN



TARTAN SINGLE GLOW



TARTAN TWIN GLOW



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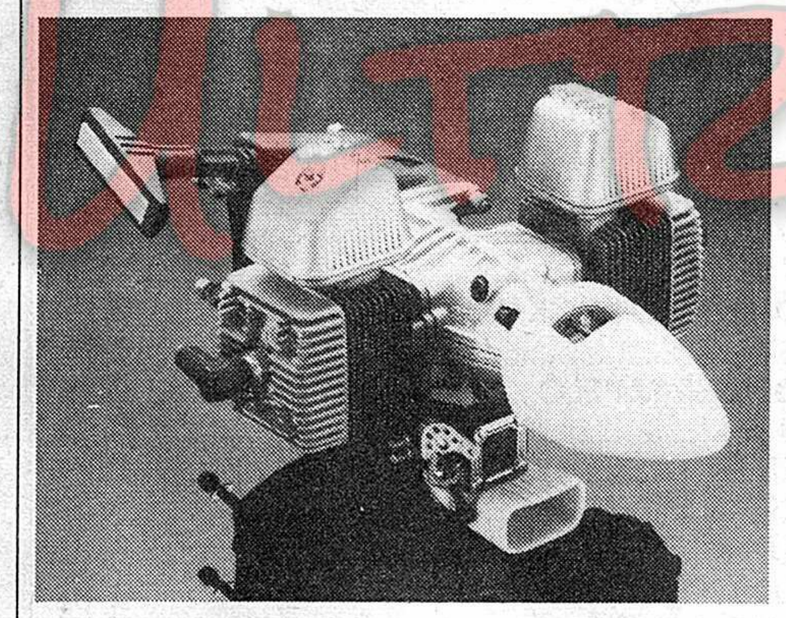
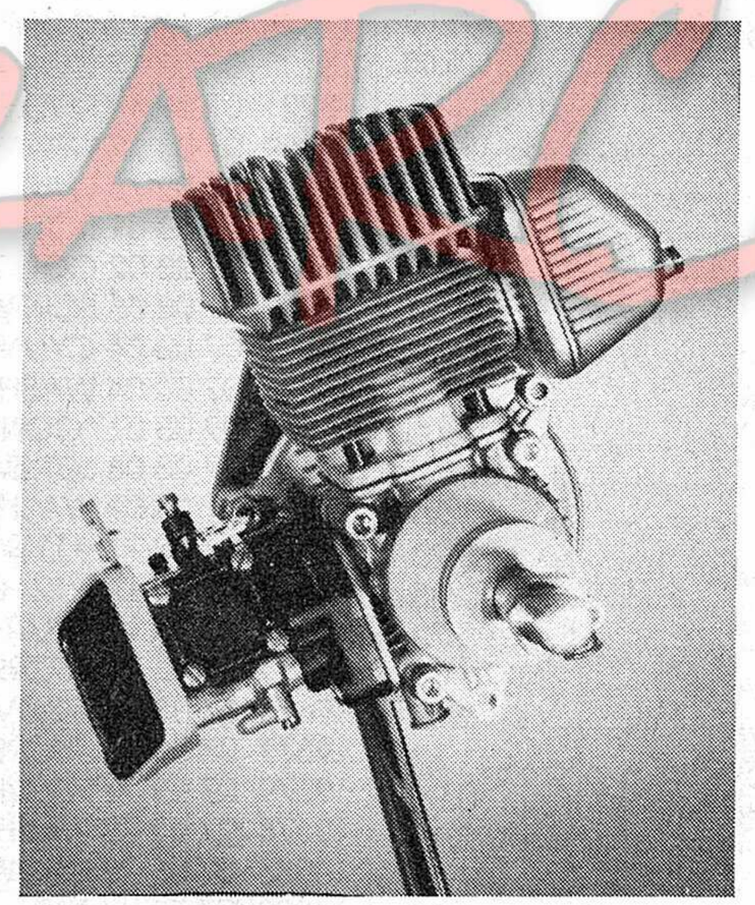
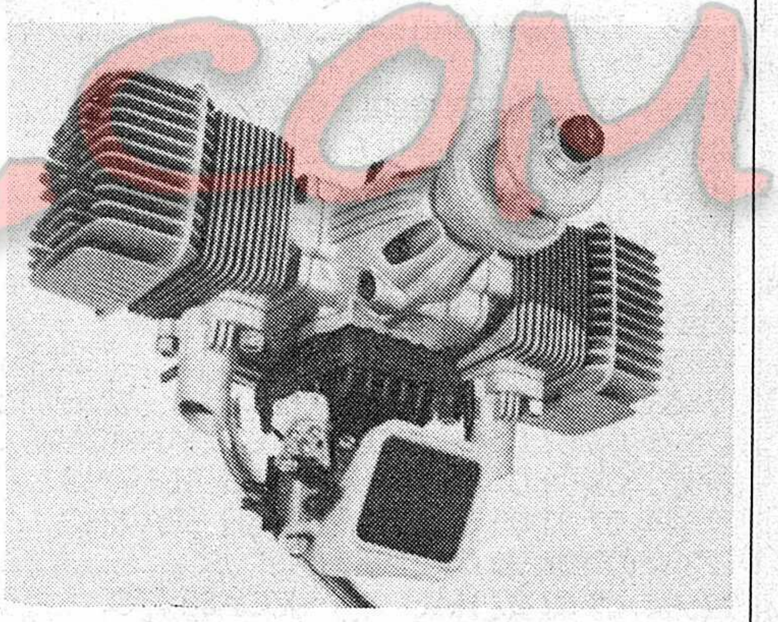


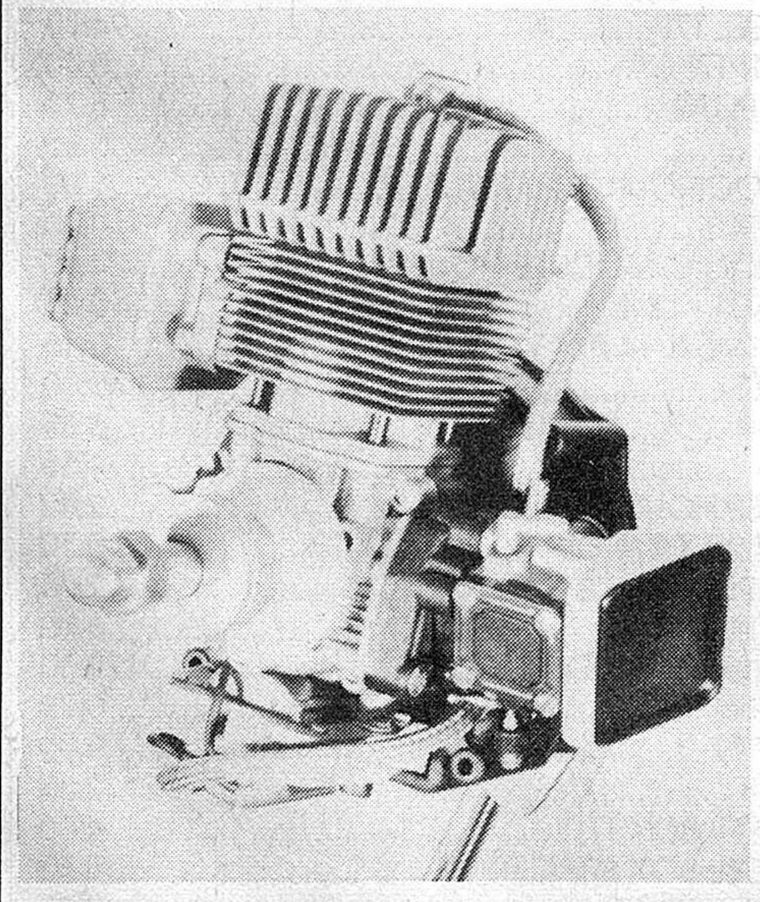
TARTAN TWIN IGNITION



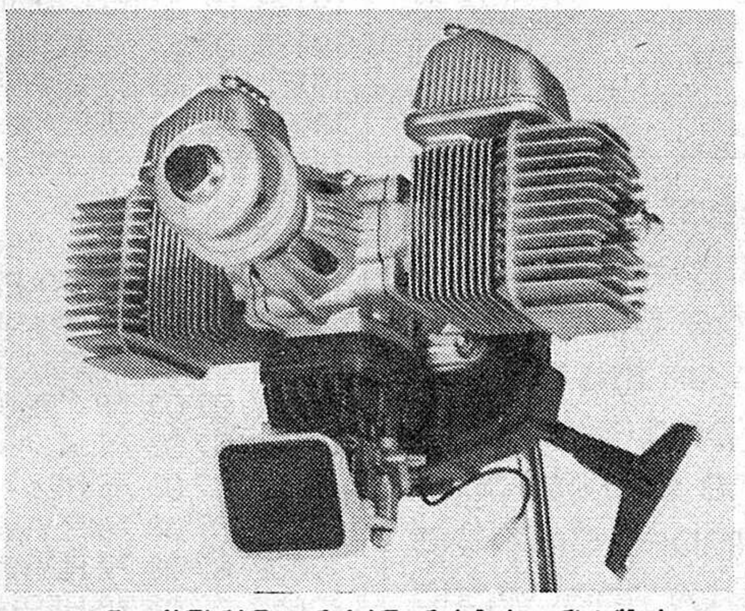
SUPER TARTAN SINGLE GLOW



SUPER TARTAN TWIN GLOW



SUPER TARTAN SINGLE IGNITION



SUPER TARTAN TWIN IGNITION

Are you trying to find a powerful two cycle engine for your 10-30 pound large-scale aircraft? If you are, then the Tartan family of engines is just what you need.

All of these engines are specially designed for model airplane usage - not converted from some chainsaw or weed-eater engine. They feature the same technology used in many smaller glow engines on the market today. The piston/cylinder assemblies are made with AAC technology (an aluminum piston riding in a chromed plated, aluminum cylinder) with dual rings on the piston. The crankshaft is supported by two ball bearings plus an additional roller bearing for minimal vibration during engine operation. The cylinder heads incorporate specially designed deep fins for better cooling efficiency. All of these features make the Tartan line of engines extremely hard to beat.

TARTAN ENGINES ARE CONTINUED ON THE NEXT PAGE!

The first engines in this line are the Super Tartan Single Glow and the Super Tartan Single Ignition. Both of these engines are designed to fly 10-17 pound airplanes (1/5 scale and some 1/4 scale applications) with no problem at all. Each of these engines has a displacement of 1.34 cubic inches (22 cubic centimeters). The glow version, which uses alcohol, swings a 18 x 6 prop at 8000 RPM and develops 16.54 pounds of static thrust (2.0 horsepower). The Ignition version, which uses a gas/oil mixture for less costly operation, swings a 18 x 6 prop at 7500 RPM and develops 14.34 pounds of static thrust (1.75 horsepower). These figures were obtained using the mufflers supplied with the engine.

The larger engines in the line are the Super Tartan Twin Glow and the Super Tartan Twin Ignition. Both of these engines are designed to fly 16-30 pound airplanes (1/4 scale and some 1/3 scale applications) with no problem at all. Each of these engines has a displacement of 2.669 cubic inches (43.75 cubic centimeters). The glow version, which uses alcohol, swings a 20 x 6 prop at 9100 RPM and develops 28.67 pounds of static thrust (4.75 horsepower). The Ignition version, which uses a gas/oil mixture, swings a 20 x 6 prop at 8800 RPM and develops 26.46 pounds of static thrust (3.95 horsepower). Again, these figures were obtained without using tuned exhaust.

TARTAN ENGINES

		RETAIL
16292	T7G SINGLE GLOW	175.00
17664	T71 SINGLE IGNITION	285.00
17716	T77G TWIN GLOW	475.00
17786	T77I TWIN IGNITION	625.00
20173	ST7G SUPER SINGLE GLOW	195.00
20174	ST7I SUPER SINGLE IGNITION	295.00
19999	ST77G SUPER TWIN GLOW	575.00
20172	ST77I SUPER TWIN IGNITION	695.00

TARTAN REPLACEMENT PARTS

19663	07 01 01 SCREW T7I	1.00
17828	07 01 02 SEALING RING	3.10
17823	07 01 03/07 COMPLETE CRANKCASE	52.72
17826	07 01 04 GROOVED BALL BEARING	11.35
17824	07 01 05 GROOVED BALL BEARING	10.20
17370	07 01 06 CASE GASKET	0.45
19694	07 01 07 HALT CRANKCASE T7G	28.70
17822	07 01 08 SEALING RING	3.05
17369	07 01 09 JOINT PIN	0.70
19665	07 01 09/54 JOINT PIN T7I	1.30
17833	07 01 10 WASHER	0.05
17362	07 01 11 HEX NUT UNI 5587	0.15
17829	07 01 12 PISTON	31.20
17371	07 01 13 PISTON RING	8.10
17830	07 01 14 GUDGEON PIN	6.25
17372	07 01 15 WRIST PIN SNAP RING	0.15
17363	07 01 16 CYLINDER GASKET	0.45
17831	07 01 17 CYLINDER	65.85
20232	07 01 17/3 CYLINDER 3DPORT	70.00
18227	07 01 18 WASHER	0.15

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TARTAN REPLACEMENT PARTS CONTINUED

		RETAIL
18240	07 01 19 NUT	0.15
17361	07 01 20 HEAD GASKET	0.20
17356	07 01 22 B CYLINDER HEAD	21.00
17364	07 01 23 CASE BOLT SCREW	0.40
18215	07 01 24 SCREW	0.25
18216	07 01 25 WASHER	0.15
18217	07 01 26 MOTOR CAP	21.70
18219	07 01 27 GASKET T77G	4.70
18222	07 01 51 GASKET RING T77G	2.00
18223	07 01 52/53 COMPLETE CASE	103.95
18226	07 01 54 STUD BOLT	0.90
19169	07 01 55 SPARK HEAD	14.00
20590	07 01 58 CYLINDER/PISTON 3D PORT SET	107.60
20431	07 01 60 PISTON 3D PORT ST7G	38.52
20233	07 01 61 CYLINDER SPARK PLUG HEAD	19.40
20297	07 01 62 SPARK HEAD ST77I	18.92
20430	07 01 63 PISTON RING ST7G	5.24
19657	07 0157 SEALING RING T7G	4.50
19680	07 02 05 FLYWHEEL KEY T7I	0.60
19678	07 02 08 WASHER T7I	0.15
17845	07 02 10 WASHER	0.10
17846	07 02 11 HEX NUT	0.55
19681	07 02 11 HEX NUT T7I	0.60
17825	07 02 12 COMPLETE CRANKSHAFT	80.00
18220	07 02 13 COMPLETE SHAFT	200.00
18221	07 02 14 ROLLER CAGE	6.75
19659	07 02 77 CRANKSHAFT T7I	57.25
19658	07 02 78 WASHER T7I	0.75
20591	07 03 01 ROTOR	22.80
19667	07 03 02 COIL T7I	49.50
18225	07 03 03 SCREW M5 X 22	0.35
17365	07 03 04 CYLINDER HEAD LOCK WASHER	0.15
17834	07 03 04 WASHER	0.15
19668	07 03 07 *CONDENSER T71 ELC	9.25
19666	07 03 08 SCREW T71	0.10
19673	07 03 09 WASHER T7I	0.10
19672	07 03 11 #11 SCREW T7I	0.15
19674	07 03 12 #12 HEX NUT T7I	0.10
19670	07 03 13 +STATOR T7I ELC	21.30
19671	07 03 14 +SCREW TU8 ELC	0.10
19676	07 03 15 +COVER T7I ELC	3.50
19677	07 03 16 +SCREW T7I ELC	0.10
19679	07 03 19 FLYWHEEL T7I	94.70
19675	07 03 20 WASHER T7I	0.40
20588	07 03 23 GLOW PLUG	6.72
18239	07 03 46 NUT	0.40
19669	07 03 55 #MICROCIRCUIT TI ELTRN	26.00
20585	07 03 57 WASHER	0.10
19172	07 03 59 ELECTRONIC MODULE HOUSING	14.50
19173	07 03 60 CONTACT - LINE	0.70
19175	07 03 62 SCREW M5 X 14 PIN 912	0.15
19176	07 03 63 FLYWHEEL	40.00
18213	07 03 65 WASHER	0.85
18212	07 03 66 SCREW	1.55
19177	07 03 67 MODULE HOUSING COVER	2.40
19178	07 03 68 SCREW 2P X 3/8 DIN	0.10
19171	07 03 69 SPARK PLUG WIRE CONNECTOR	2.25
19170	07 03 70 SPARK PLUG Y82	6.00
19174	07 03 71 ELECTRONIC MODULE	129.30
19179	07 03 73 JOINT PIN	0.70
19196	07 03 74 JOINT PIN	0.70
19180	07 03 75 HEX NUT	0.35
19661	07 03 76 FLYWHEEL BOX T7I	4.00
19662	07 03 77 FLYWHEEL BOX SPACER T7I	0.60
19660	07 03 78 HERT-RETURN T7I	0.70
19682	07 03 91 HEX NUT T7I	0.30
19181	07 03 92 HERT RETURN	0.65

TARTAN REPLACEMENT PARTS CONTINUED	RETAIL
19192 07 04 03 COMPLETE BUSHING	1.15
17359 07 04 04 CARBURETOR MOUNTING SCREW	0.15
17821 07 04 07 WASHER	0.15
19190 07 04 18 COMPLETE HANDLE	8.25
18218 07 04 40 ROLLER BUSHING	4.65
19182 07 04 80 SELF-WINDING HUB	6.15
19184 07 04 81 FREEWHEEL	20.00
19185 07 04 82 FRONT PULLEY	7.20
19186 07 04 83 BACK PULLEY	3.85
19187 07 04 84 RING	0.15
19193 07 04 85 CABLE 03	4.00
19191 07 04 86 SPRING DRIVE	1.85
19188 07 04 87 COMPLETE PULLEY	19.00
19189 07 04 88 SPRING	7.25
19194 07 04 89 STARTER PULLEY HOUSING	4.40
19195 07 04 90 STARTER PULLEY COVER	3.95
19183 07 04 91 WASHER	2.40
17858 07 05 01 GASKET	0.45
17860 07 05 02 MUFFLER BOTTOM	3.60
17861 07 05 03 GASKET	0.75
17862 07 05 04 DAMPING PLATE	1.25
17863 07 05 05 MUFFLER BODY	5.00
17864 07 05 07 WASHER	0.15
17859 07 05 08 HEX NUT	0.25
17865 07 05 08 HEX NUT	0.15
19688 07 05 13 +WASHER T7I	0.07
18238 07 05 13 WASHER	2.45
17866 07 05 35, LARGE/RIGHT ANGLE EXHAUST PIPE	5.10
17867 07 05 36 SHORT/45 DEG. EXHAUST PIPE	5.10
19690 07 05 38 DIS CONNECTOR 90 T7I	4.25
19691 07 05 39 SCREW T7I	0.20
18449 07 05 41 SINGLE GLOW MUFFLER	10.56
20597 07 05 42 RESONANCE MUFFLER	67.12
20598 07 05 44 INDX-FLEX PIPE 18MM	15.12
17355 07 06 01 WASHER (CARBURETOR GASKET)	0.25
17360 07 06 02 VALVE MOUNTING SCREW	0.10
17367 07 06 03 REED VALVE STOP	1.20
17368 07 06 04 REED VALVE	1.70
18230 07 06 10 GASKET	0.30
18237 07 06 11 JOINT PIN	0.85
20468 07 06 12 LOCK WASHER ST7G	0.80
19686 07 06 14 CARBURETOR T7I	50.25
18232 07 06 15 GASKET	0.30
18452 07 06 18 DIAPHRAM PUMP	8.50
18451 07 06 22 TEFLON DIAPHRAM	7.50
19687 07 06 44 LOCK T7I	1.40
20584 07 06 46 SELF-STALLING HEX NUT	2.80
17836 07 06 49 WASHER	0.05
17357 07 08 01 MOTOR MOUNTING FLANGE	7.00
17366 07 08 14 BACKPLATE MOUNTING SCREW	0.45
19664 07 08 23 SCREW T7I	1.30
20599 07 09 01 FLYWHEEL EXTRACTOR	3.00

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TARTAN REPLACEMENT PARTS CONTINUED	RETAIL
20601 07 09 04 THICKNESS GAUGE MMO.45	0.48
19204 07 09 05 THICKNESS GAUGE 0.3MM	0.40
20602 07 09 06 TOOL TO CLEAN	2.64
20600 07 09 08 FLYWHEEL TIMING TOOL	1.00
17839 07 09 62 GASKET SET	1.40
17840 07 09 63 SCREW SET	4.90
19202 07 09 66 BOX WRENCH 12 X 13MM	6.35
19200 07 09 67 ALLEN WRENCH 2.5MM	1.00
20603 07 09 68 MAINT TOOL FOR 77G	6.80
20596 07 09 70 PLUG FOR 07 05 35/36	0.68
20595 07 09 71 PLUG FOR 07 05 41	0.80
19197 07 09 72 TOOTHING WRENCH	1.15
19205 07 09 73 DIAL GAUGE ADAPTER	2.00
19206 07 09 74 DIAL GAUGE	47.50
19199 07 09 75 ALLEN WRENCH 3MM	1.00
19198 07 09 76 ALLEN WRENCH 4MM	1.00
19201 07 09 77 BOX WRENCH 5.5 X 8MM	4.50
19203 07 09 78 BOX WRENCH 14 X 20MM	5.90
20605 07 09 80 MAINT TOOL 7G	6.00
20606 07 09 81 MAINT TOOLS FOR 7I	7.40
20604 07 09 82 MAINT TOOLS FOR 77I	7.28
20470 07 09 84 GASKET SET ST7G	7.88
20471 07 09 85 SCREW SET ST7G	4.64
20609 07 09 91 SCREW SET 77I	6.36
20610 07 09 92 SCREW SET FOR 7I	9.88
20607 07 09 93 GASKET SET FOR 77I	9.20
20608 07 09 94 GASKET SET FOR 7I	6.84
19723 07 15 17 FULCRUM PIN	1.50
20457 07 16 12 LOCK WASHER FU	0.85
17852 07 21 01 CONNECTOR	3.10
17853 07 21 02 PROPELLER HUB	5.60
17376 07 21 03 DRIVE WASHER	2.75
17854 07 21 03 WASHER	2.50
17855 07 21 04 HEX NUT	2.80
17374 07 21 04 PROP NUT	2.75
17373 07 21 05 PROP LOCKING SET	12.25
17841 07 21 06 CONNECTOR	2.55
17843 07 21 07 SCREW	0.45
17842 07 21 08 PROPELLER HUB	8.30
17375 07 21 09 PROP WASHER	4.90
17847 07 21 09 WASHER	5.60
17844 07 21 10 SELF STALLING HEX NUT	1.84
17848 07 21 11 HEX NUT	2.30
17849 07 21 12 SPINNER	6.65
17850 07 21 13 SCREW	0.40
17851 07 21 14 PROP HUB/SPINNER LOCKING SET	28.00
20617 07 21 16A 0 2.36 60MM	5.60
20621 07 21 17 PROP 0 22MM LOCKING SET	1.00
18210 07 21 23 SPINNER CONNECTOR	4.50
18241 07 21 24 GASKET SET T77G	15.30
18211 07 21 25 SCREW SET T77G	6.00
18214 07 21 26 PROP HUB	9.85
18245 07 21 27 HUB EXTRACTOR	1.80
18448 07 21 28 COMPLETE SPINNER ASSEMBLY	35.52
18423 07 21 33 PROP HUB SET	24.00
20618 07 21 34A 3 75MM	8.00
20619 07 21 35A 3-1/4 82.5MM	8.56
20620 07 21 36A 3-1/2 90MM	9.28
19892 07 21 39 PROP HUB 12.7	21.15
19893 07 21 40 PROP HUB	14.75
19894 07 21 41 WASHER	5.30
19895 07 21 42 SCREW	1.15
19896 07 21 43 WASHER	1.15
19897 07 21 49 WASHER	3.15
20246 07 21 61 SCREW SET	6.36
20245 07 21 62 GASKET SET	11.68
20612 07 21 63 STUD	2.72

TARTAN REPLACEMENT PARTS CONTINUED	RETAIL
20469 07 21 64 CONNECTOR ST7G	2.88
20613 07 21 71 SELF-SEALING HEX NUT	0.80
20615 07 21 73 PRO 0 1/2 LOCKING SET	22.04
20614 07 21 78 SCREW M13 X 18 DIN912	0.30
21073 07 23 01 TERMINAL WITH WIRE	53.25
19705 07 25 01 THROTTLE SHAFT	9.75
19706 07 25 02 IDLE SPEED REGULAR SCREW	2.00
19707 07 25 03 COVER SCREW	0.20
19708 07 25 04 COVER RE-INFORCEMENT	1.15
19709 07 25 05 PUMP COVER	5.25
19710 07 25 06 PUMP GASKET	2.00
19711 07 25 07 PUMP DIAPHRAGM	5.00
19712 07 25 08 SHUTTER SCREW	0.20
19713 07 25 09 THROTTLE SHUTTER	0.30
19714 07 25 10 SHAFT CLIP	0.65
19715 07 25 11 SCREW	0.20
19716 07 25 12 GASKET	2.00
19744 07 25 13 IDLE ADJUST SCREW G-23	6.50
19720 07 25 14 GOVERNOR BODY	7.50
19721 07 25 15 GASKET	2.00
19722 07 25 16 CONTROL SPRING	0.60
19724 07 25 18 CONTROL NEEDLE	3.50
19725 07 25 19 CONTROL LEVER	4.00
19726 07 25 20 DIAPHRAGM	10.00
19727 07 25 21 DIAPHRAGM COVER	1.10
19728 07 25 22 WASHER	0.15
19729 07 25 23 COVER SCREW	0.25
19719 07 25 24 INLET SCREEN	7.50
19756 07 25 25 GASKETS & DIAPHRAGM SETG-23	16.50
19757 07 25 26 FUEL ADJUST SET	26.00
19717 07 25 28 IDLE ADJUSTING SCREW	6.50
19731 07 25 29 FUEL ADJUST SET	26.00
19730 07 25 30 GASKET & DIAPHRAGM SET	16.50
19745 07 25 31 AOM ADJUST SCREW G-23	6.50
19718 07 25 32 MAIN ADJUST SCREW	6.50
20452 07 25 33 AIR INLET BODY FU	7.15
20451 07 25 34 PLUG FLAT VERSION	0.20
20454 07 25 35 AIR LEVER FU	1.00
20458 07 25 37 PROTECTION FU	4.04
20244 07 25 38 COMPLETE AIR INLET	10.64
20570 07 25 39 SCREW MAX50	0.48
20437 07 25 41 REED VALVE STOP ST7G	0.80
20231 07 25 42 SCREW 2P X 3/16 DIN 7981	0.25
20576 07 25 43 SCREW	0.10
20586 07 25 44 REED VALVE	4.84
20589 07 25 47 COMP CARBURETOR CONNECTOR	33.04
20260 07 25 48 COMP CARBURETOR CONNECTOR	24.60
20587 07 25 49 COMP CARBURETOR FLANGE	26.68
20439 07 25 51 COMP CARBURETOR FLANGE ST7G	26.36
20581 07 25 52 COMP CARBURETOR FLANGE	34.24
20450 07 25 53 COMP CARBURETOR FLANGE FLAT VER.	34.56
20467 07 25 55 CARBURETOR FTRC 14/8 ST7G	45.00

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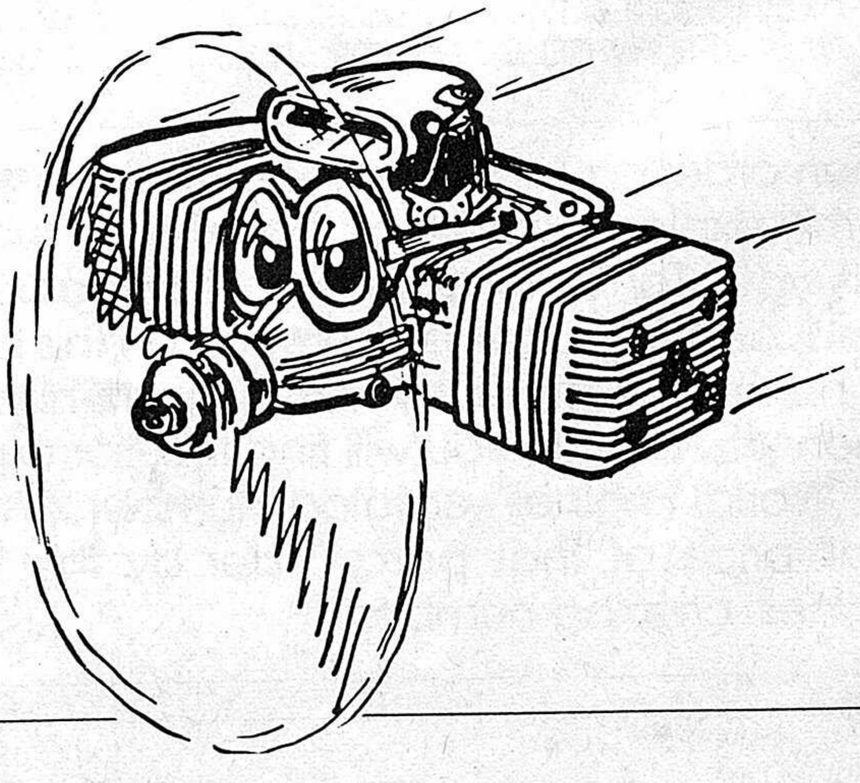
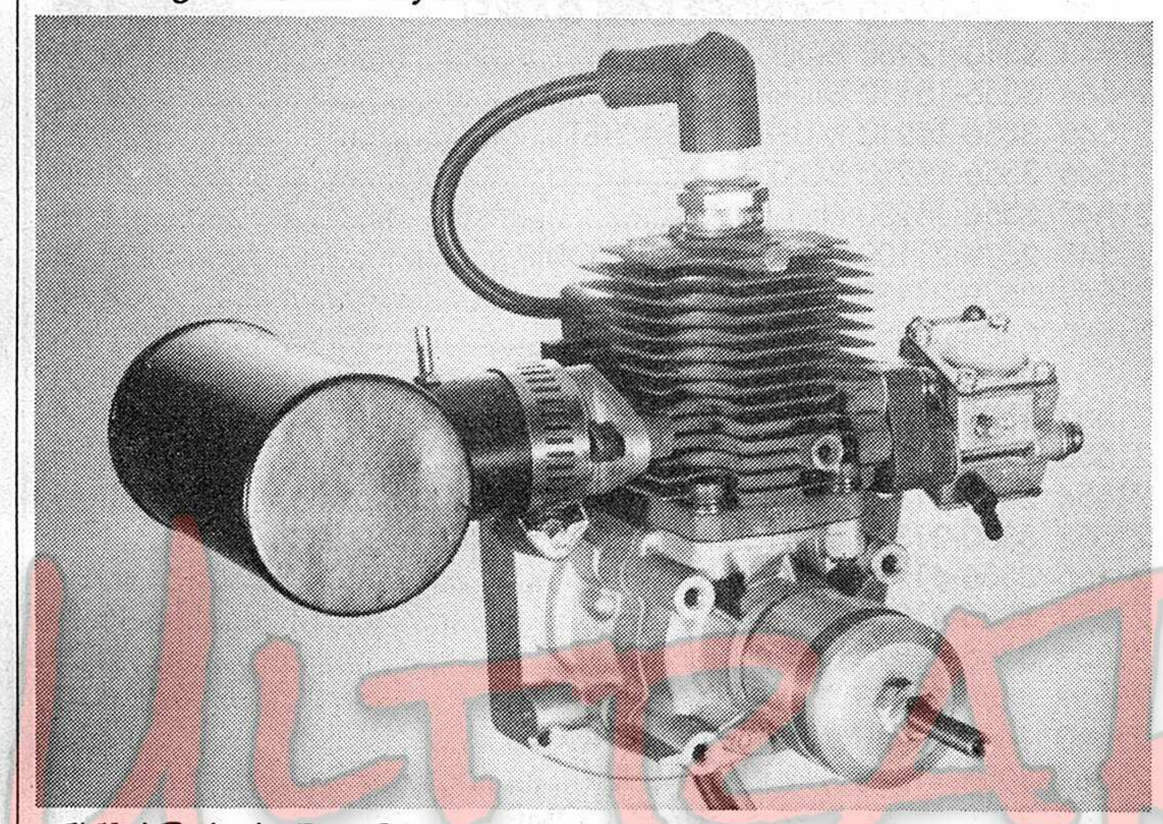
TARTAN REPLACEMENT PARTS CONTINUED	RETAIL
20574 07 25 56 CARBURETOR LEVER	0.80
20569 07 25 57 GASKET	0.96
20573 07 25 58 CONNECTOR	1.00
20575 07 25 59 WASHER	0.10
20577 07 25 60 FLANGE INTAKE	1.76
20579 07 25 61 BACK CASING	6.56
20580 07 25 62 WASHER	2.08
20572 07 25 63 COMP CARBURETOR FLANGE	34.32
20592 07 25 64 CARBURETOR FTRC 14/8 GAS	46.08
20459 07 25 65 FLAT CARBURETOR	37.96
20582 07 25 66 STANDARD CARBURETOR	35.16
20583 07 25 67 COMPACT SET	40.40
20453 07 25 68 COMP AIR INLET FU	13.44
20578 07 25 69 COMP FLANGE INTAKE	3.32
20438 07 25 70 REED VALVE ST7G	4.16
20594 07 25 71 LEVER	0.72
20241 07 26 15 GASKET	5.72
20456 07 26 19 SPACER FU	0.45
20455 07 26 20 WASHER FU	0.15
17358 07 26 34 CARBURETOR CONNECTOR ASSEMBLY	18.35
17835 07 26 35 SCREW	0.15
17837 07 26 40 GASKET	0.40
17838 07 26 41 CARBURETOR	62.20
18233 07 26 73 AIR INLET BODY	14.35
18234 07 26 74 AIR INLET THROTTLE	2.80
18235 07 26 75 SHUTTER LEVER	2.20
18236 07 26 76 SHUTTER PIN	0.20
18229 07 26 78 CARBURETOR FLANGE	14.00
18231 07 26 79 GLOW CARBURETOR	70.00
18228 07 26 80 VALVE LOCK	1.65
19683 07 26 81 CONNECTOR T7I	11.00
19684 07 26 82 SCREW T7I	0.20
18915 07 26 83 CARBURETOR FTRC 16/11 ALCOHOL	61.20
19692 07 26 84 CARBURETOR FTRC 16/11 GAS	65.00
19685 07 26 85 CENTERING TUBE T7I	0.40
19689 07 26 86 SCREW T7I	0.30
20237 07 26 87 DOUBLE REED VALVE	3.20
20235 07 26 88 GASKET	1.15
20234 07 26 89 FEED CELL	2.50
20236 07 26 90 VALVE LOCK	0.70
20238 07 26 91 CARBURETOR FLANGE	21.00
20239 07 26 92 SCREW MAX 30 DIN 912	0.25
20243 07 26 93 FILTER	5.10
20242 07 26 94 AIR INLET BODY	7.15
20230 07 26 95 CARBURETOR LEVER	0.85
20240 07 26 96 CARBURETOR FTRC 16/12.5	45.00
20298 07 26 97 CARBURETOR FTRC 16/12.5	52.00
20316 07 26 98 REED VALVE ASSEMBLY-FLAT	4.00
20571 07 26 98D CARBURETOR FLANGE	1.50
20449 07 26 98P CARBURETOR FLANGE FLAT VERSION	19.64



• ZENOAH QUARTZ ENGINES •

No matter which Zenoah Quartz engine you choose, you can rest assured that you have one of the best quarter scale gasoline (gasoline-oil mixture) engines that money can buy. Since they use gasoline as fuel, they are cheaper to run and are cleaner to operate as well. All three of these engines are well known for their easy starting and tremendous power with very little vibration. By utilizing WALBRO carburetors, power transitions from low idle to high RPM are very smooth and scale-like.

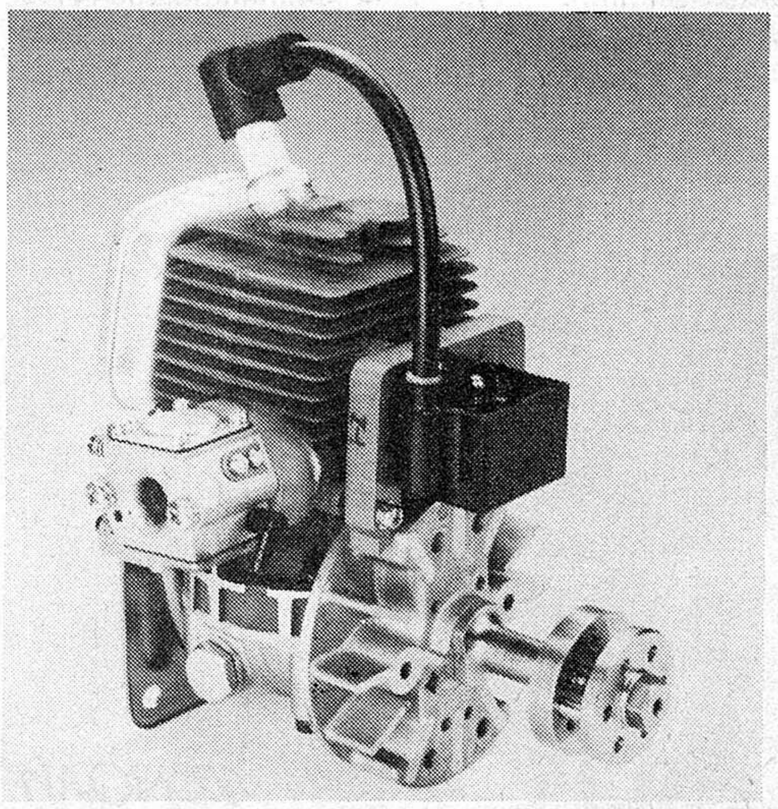


ZENOAH G-23

The G-23 is the smallest of the family. It offers very high power in a compact size. It fills the gap between the large glow powered engines and the two+ cubic inch chainsaw engines. This engine can easily power 1/5 and some 1/4 scale aircraft.(1.38 cubic inches, 2.54 pounds)

ZENOAH G-23 ENGINES & REPLACEMENT PARTS		RETAIL
19274	ZENOAH G-23 WITH PROP HUB W/O MUFFLER	299.95
19734	1111-91002 TOOL SET	NPA
19735	1030-91111 BAG	NPA
19736	1110-91320 SOCKET	3.05
19737	1030-91340 DRIVER	NPA
19738	0901-00810 SPANNER	1.52
19739	3310-81351 SCREW	NPA
19740	3310-81360 SCREW	NPA
19741	3310-81240 SCREW	NPA
19742	3310-81130 SCREW	NPA
19743	1148-81540 SCREW-IDLE ADJUST	1.35
19746	1148-81410 SPRING CARBURETOR RETURN	0.20
19747	1148-81460 SPRING IDLE ADJUST	1.35
19748	3304-81450 SCREEN CHOKE VALVE	NPA
19749	3310-81160 SPRING NEEDLE ADJUST	0.20
19750	1262-81270 SPRING-METERING LVR	NPA
19751	1148-81330 NEEDLE HI SPEED	6.10
19752	1148-81170 NEEDLE IDLE	6.10
19753	3310-81250 PIN METERING LEVER	NPA
19754	3310-81230 LEVER METERING	NPA
19755	3304-81420 PLUG	0.25
19758	3304-81430 PLUG	1.35
19759	3304-81440 RING	NPA
19760	1500-71420 SPRING	1.00
19761	0260-20408 SCREW	0.20
19762	0260-10420 SCREW	0.20
19773	1148-73120 SPARK PLUG	9.25
19774	1148-81000 CARBURETOR ASSEMBLY	28.35
19775	1148-81110 CARBURETOR BODY	NPA

ZENOAH G 23 REPLACEMENT PARTS CONTINUED		RETAIL
19776	3306-81380 SCREEN INLET	1.05
19777	3310-81280 COVER METERING DIAPH	3.95
19778	1148-81120 COVER PUMP	NPA
19779	1148-81370 CARBURETOR SHAFT ASSEMBLY	NPA
19780	1282-81340 VALVE-THROTTLE	NPA
19781	1148-81390 E-RING	NPA
19782	3310-81310 VALVE-INLET	NPA
19783	1262-81140 GASKET-PUMP	NPA
19784	3306-81290 GASKET-METERING DIAPH.	NPA
19785	3304-81150 DIAPHRAGM	NPA
19786	3310 - 81260 DIAPHRAGM ASSEMBLY	NPA
19787	1140-41110 PISTON	15.75
19788	1100-41210 RING	3.05
19789	1101-41310 PIN	2.63
19790	1101-41320 RING	0.50
19791	1140-41330 BEARING	1.80
19792	1101-41340 WASHER	2.23
19793	1148-42000 CRANKSHAFT COMP	60.00
19794	1140-43230 NUT	0.40
19795	1000-43240 KEY	NPA
19796	1140-43250 SHIM	0.30
19797	1148-71000 MAGNETO ASSEMBLY	NPA
19798	1148-71110 ROTOR	NPA
19799	1148-71120 COIL-IGNITION	66.00
19800	1140-71210 BREAKER	19.00
19801	1148-71220 CONDENSER	12.00
19802	1140-71300 COVER COMP	NPA
19803	1100-72212 CAP	NPA
19804	1140-12110 CYLINDER	75.00
19805	3310-12280 BOLT	0.60
19806	0260-30520 SCREW	NPA
19807	0260-30550 SCREW	NPA
19808	0280-10504 NUT	0.15
19809	1140-13120 GASKET	0.45
19810	1148-13130 GASKET	0.60
19811	1140-13150 GASKET	0.45
19812	1148-13160 INSULATOR	8.75
19813	1148-21101 CRANKCASE COMP	90.00
19816	1140-21140 GASKET	0.55
19817	04065-02812 RING	0.55
19818	06030-06001 BEARING	3.92
19819	1140-21210 SEAL	1.70
19820	06034-06001 SEAL	7.20
19821	0260-00525 SCREW	NPA
20164	MUFFLER ASSEMBLY	24.95

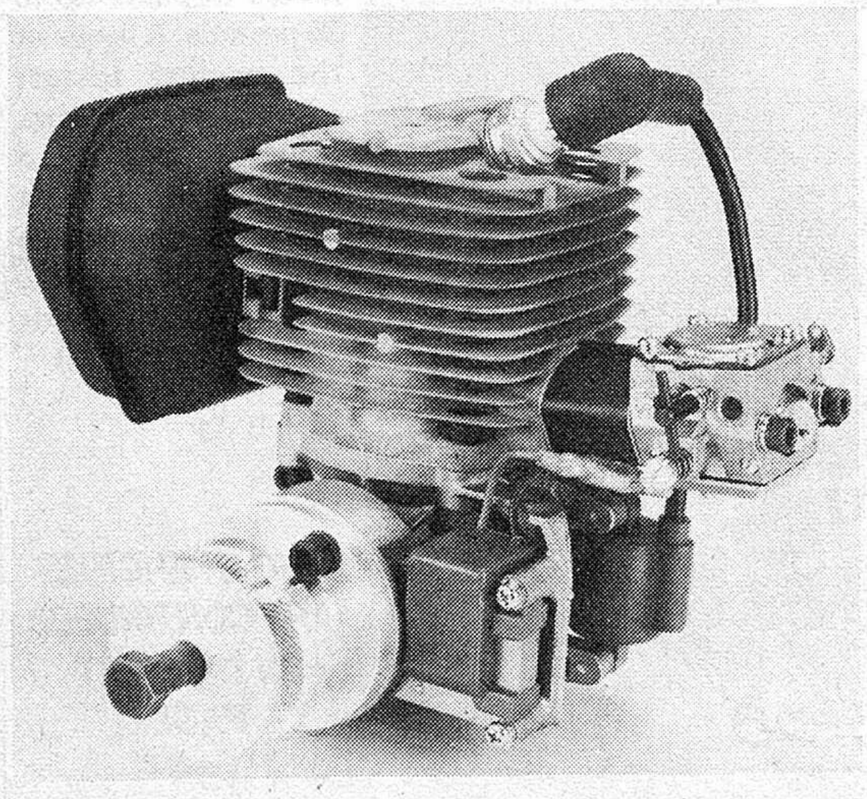


ZENOAH G-38

The G-38 is suitable for just about any model airplane up to 26 pounds. It is one of the easiest tostart engines of any size. Once it has been run a couple of times, it can be easily started with one or two flips of the prop. (2.28 cubic inches, 4.4 pounds)

ZENOAH ENGINES ARE CONTINUED ON THE NEXT PAGE!

ZENOAH G-38 ENGINES & REPLACEMENT PARTS	RETAIL
19161 ZENOAH G-38	279.95
19599 3378-12110 CYLINDER	78.55
19600 3330-14110 INSULATOR	13.80
19604 3330-14120 GASKET	0.30
19605 0260-20520 SCREW	0.15
19606 3330-14131 GASKET	0.30
19607 3378-15000 MUFFLER ASSEMBLY	12.72
19608 3330-15110 BASE	3.55
19609 3330-15121 COVER (A)	2.75
19610 3330-15130 SPACER	0.22
19611 3334-15140 BAFFLE	0.60
19612 3330-15150 PLATE	0.60
19613 3330-15160 ARRESTOR	2.00
19614 3304-15210 GASKET	0.90
19615 3330-15220 BOLT	0.85
19616 3378-21110 CRANKCASE	26.68
19618 0292-20510 WASHER	0.15
19619 3120-13510 PLUG	3.15
19620 3130-13520 GASKET	0.30
19621 3340-41112 PISTON	17.56
19622 3340-41210 RING	3.55
19623 3304-41310 PIN	2.00
19624 3310-41320 SNAP RING	0.20
19625 3310-41341 WASHER	1.15
19626 3310-41410 BEARING	4.35
19627 3378-42000 CRANKSHAFT COMPLETE	67.75
19628 06030-06201 BEARING	2.95
19629 1200-21220 OIL SEAL	2.40
19630 04065-03212 SNAP RING	0.40
19631 1100-21210 OIL SEAL	1.75
19632 1260-43240 KEY	0.25
19633 3378-43300 NUT COMP	30.66
19634 3378-43410 WASHER	7.40
19635 3378-43420 BOLT	5.72
19636 3378-71110 MODULE	60.00
19637 3378-71210 ROTOR	37.98
19638 1260-71260 SPACER	0.35
19639 3330-71310 CAP	2.50
19640 3310-71320 SPRING	1.00
19641 1115-73111 SPARK PLUG	5.15
19642 0260-30425 SCREW	0.15
19643 3378-81000 CARBURETOR ASSEMBLY	51.42
19644 0260-10540 SCREW	0.30
19645 3378-85110 MOUNT	1.65
19646 0260-00512 SCREW	0.10
20302 3378 43301 NUT COMP	6.00
20303 3378 43411 WASHER	4.35



ZENOAH G-62

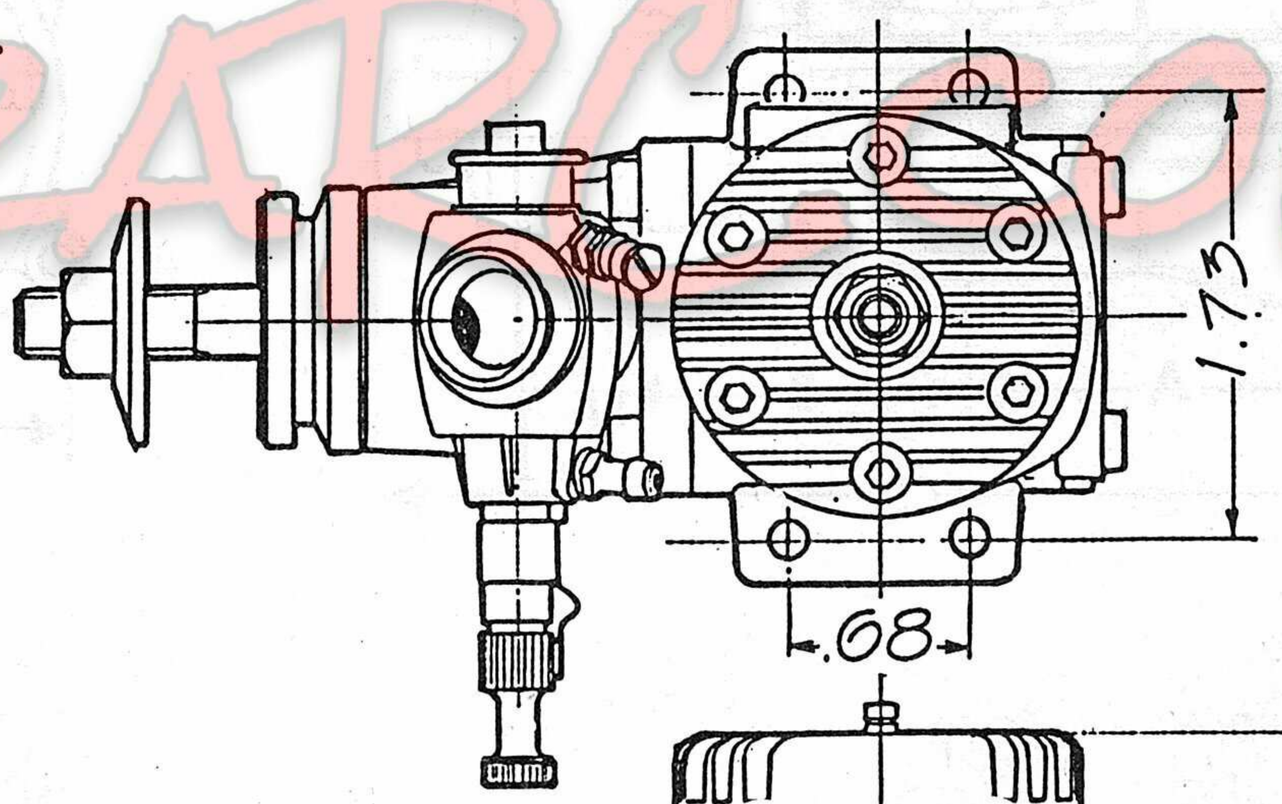
The G-62 is the one of the largest engines on the market. Its power makes it a suitable powerplant for 1/4 scale and even some 1/3 scale projects. (3.78 cubic inches, 5.25 pounds)

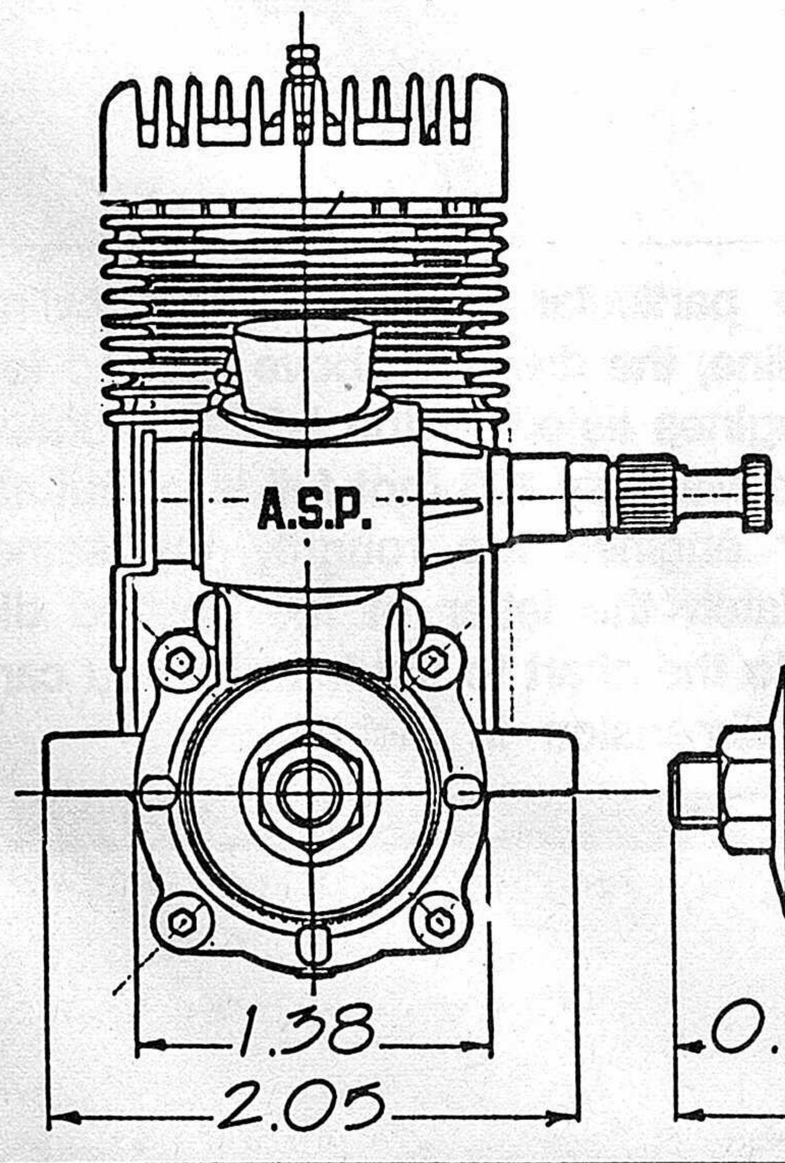
ZENOAH G-62 ENGINES & REPLACEMENT PARTS	RETAIL
20955 ZENOAH G-62	419.95
21538 3360-12110 CYLINDER	151.99
21539 3356-14110 GASKET INSULATOR	1.15
21540 3366-14120 INSULATOR	5.95
21541 3366-14130 CARBURETOR GASKET	1.15
21542 3356-14210 CYLINDER BASE GASKET	1.90
21543 3310-12280 BOLT	0.75
21544 3356-15110 MUFFLER	37.72
21545 3356-15210 MUFFLER GASKET	1.90
21546 3356-15220 BOLT	1.60
21547 3356-15230 NUT	1.15
21548 2629-21100 CRANKCASE COMP	206.08
21549 2629-21130 PIN	0.45
21550 04065-03515 SNAP RING	0.55
21551 06030-06202 BEARING	3.50
21552 1520-21220 OIL SEAL	3.80
21553 1400-21220 OIL SEAL	2.35
21554 2629-21310 CRANKCASE GASKET	0.85
21555 3350-21320 BOLT	1.20
21556 3366-41110 PISTON	42.57
21557 3366-41210 PISTON RING	15.19
21558 3366-41310 PISTON PIN	5.00
21559 3350-41320 SNAP RING	0.40
21560 1400-41410 NEEDLE BEARING	6.95
21561 3356-41510 THRUST WASHER	1.50
21562 2629-42000 CRANKSHAFT COMP	111.39
21563 1000-43240 KEY	0.85
21564 01641-21016 WASHER	0.10
21565 0290-21025 WASHER	0.20
21566 1100-43231 NUT	0.40
21567 2629-41110 PROP HUB	43.60
21568 3544-11510 BOLT	1.35
21569 2629-41310 HUB WASHER	12.00
21570 2629-51410 BOLT	3.20
21571 1490-71110 ROTOR	42.90
21572 2629-71210 SOURCE COIL	125.67
21573 2629-71310 IGNITION COIL	51.25
21574 1100-72213 PLUG CAP	3.60
21575 1500-71420 PLUG CAP SPRING	1.20
21576 0260-30416 SCREW	0.25
21577 0260-30420 SCREW	0.25
21578 2629-73110 SPARK PLUG	5.80
21579 2629-81000 CARBURETOR ASSEMBLY	109.25
21580 2629-82210 BOLT	4.30
21581 01601-20508 WASHER	0.10
21582 01641-20513 WASHER	0.10
21583 2629-91510 BOLT	NPA
21584 01252-30614 PIN	NPA
21585 1490-96101 PULLER ASSEMBLY	49.50
21586 3350-96220 STOPPER	17.70
21587 3356-96230 PISTON PIN GUIDE	14.20
21610 MOUNTING BOLTS	NPA

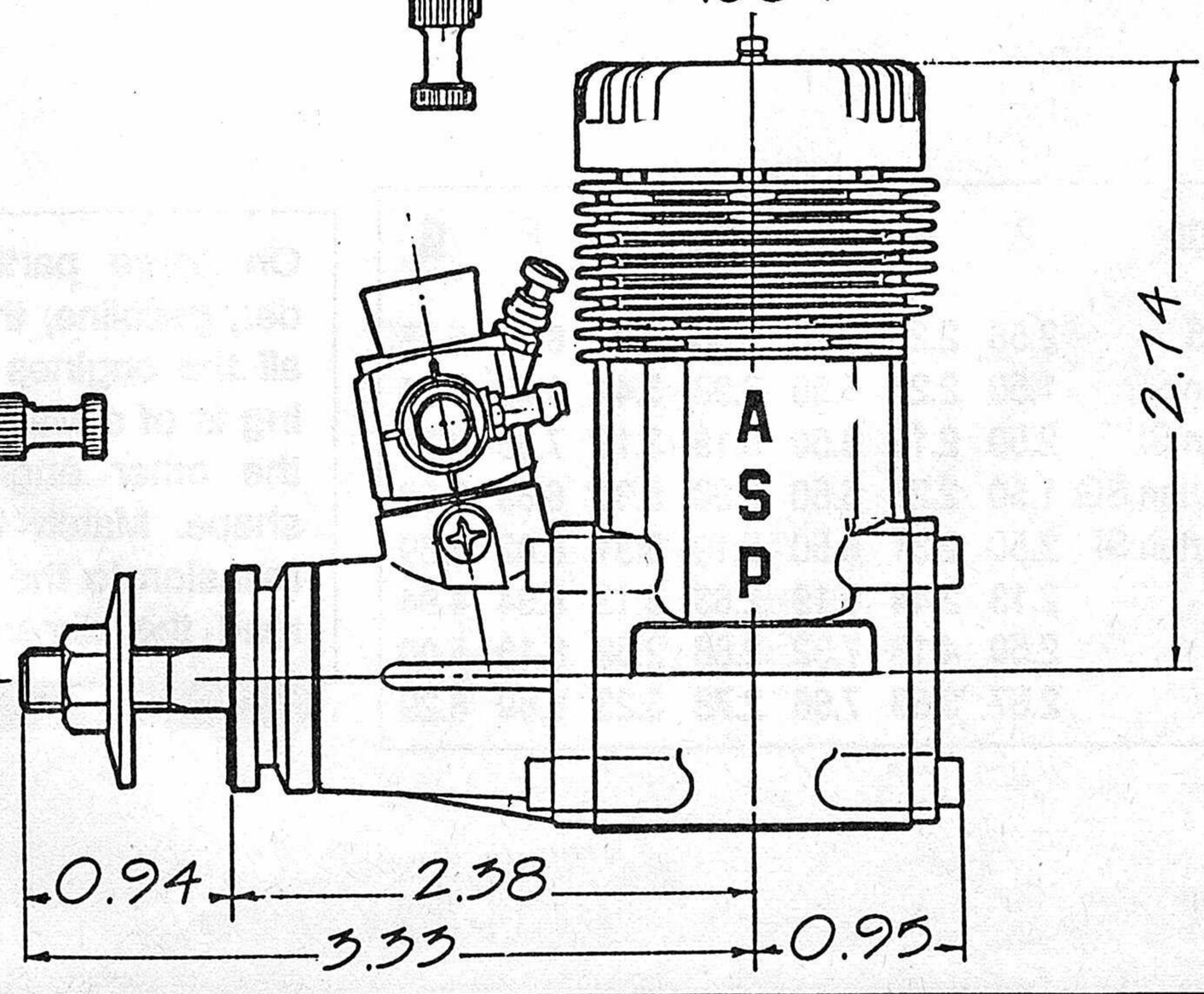
"QUARTZIE"

MOUNTING DIMENSIONS

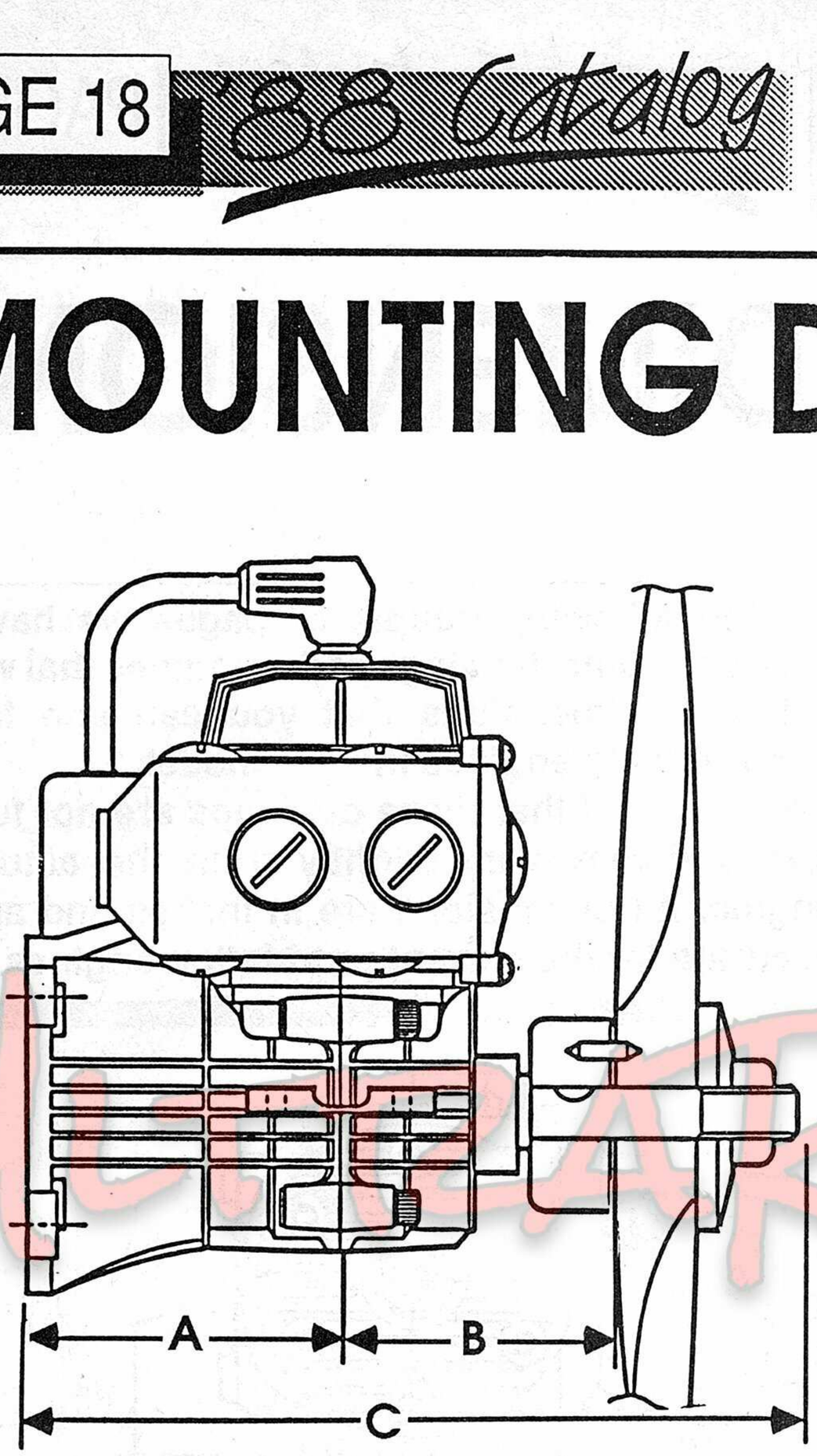
On the following couple of pages we have included some drawings of the engines that we sell with dimensions that you can use for mounting the engines in your model.
Keep in mind that these drawings are not full size and may vary slightly from the actual engine. All dimensions are in inches and are accurate for the current production engines.

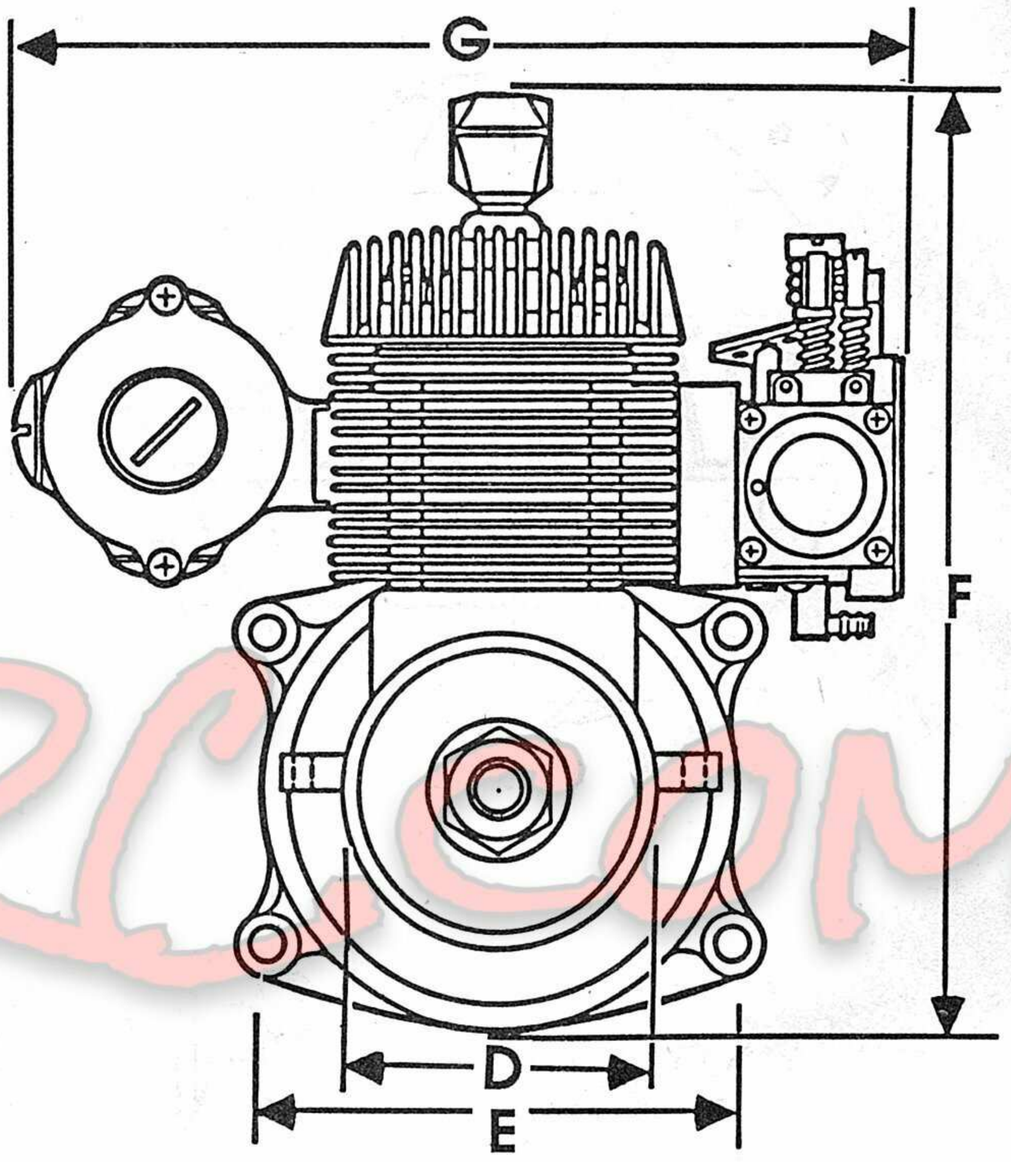






MOUNTING DIMENSIONS

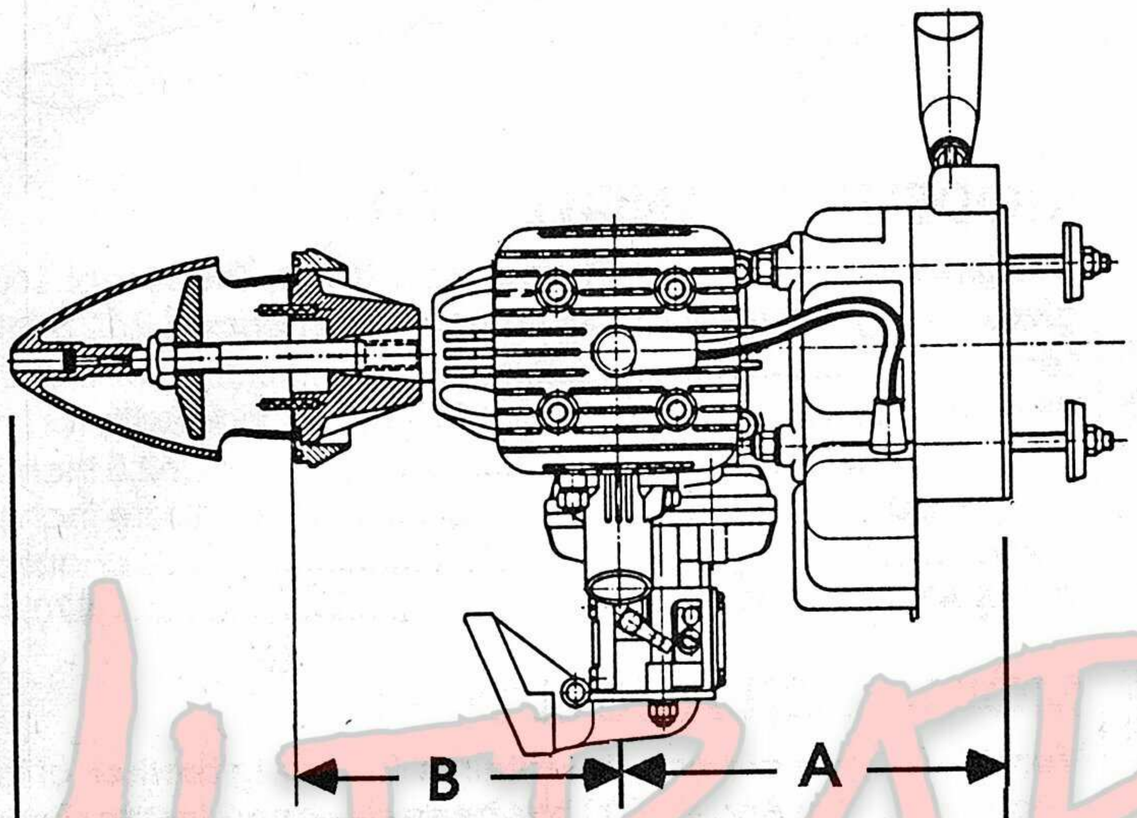


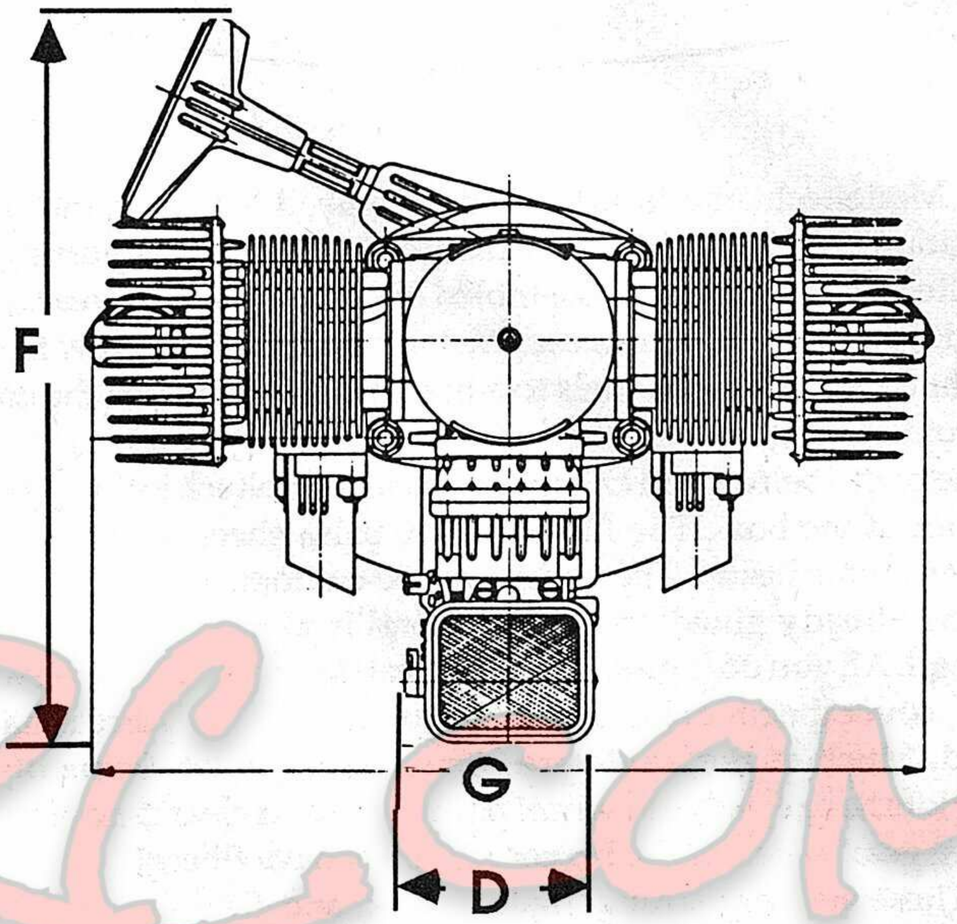


Engine	A	B	C	D	E	F	G
M-125	2.56	2.25	6.38	2.56	3.01	6.02	5.75
Tartan SG	1.50	2.25	5.50	3.98	3.44	6.32	5.94
Tartan SI	2.50	2.19	6.50	5.19	3.13	7.88	7.85
S. Tartan SG	1.50	2.25	5.50	3.98	5.31	6.69	7.38
S. Tartan SI	2.50	2.31	6.50	5.19	5.31	8.02	7.69
G-23	2.13	2.44	6.19	2.63	3.13	6.94	4.94
G-38	2.50	4.13	7.32	2.88	2.82	8.13	5.00
G-62	2.87	3.53	7.66	2.78	3.23	6.89	6.29

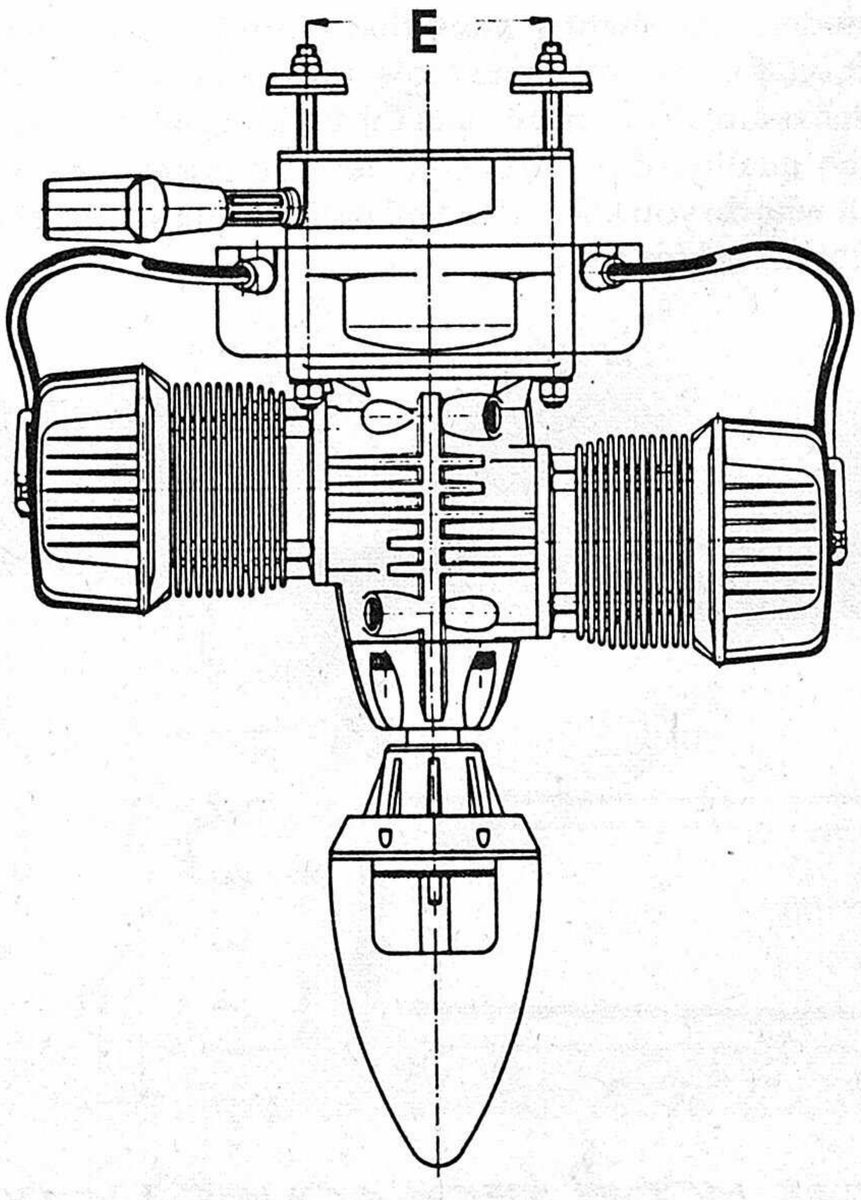
On these particular engines, single cylinder, gasoline, the drawing above is used for all the engines listed to the left. The drawing is of a Maloney 125 (not full size) but all the other engines are roughly the same shape. Match the letter of the desired dimension to the chart to the left and you can read the dimension in inches.

MOUNTING DIMENSIONS





UltraRC.com



On these particular engines are twin cylinder, gasoline. The drawing above is used for all the engines listed to the left. The drawing is of a Super Tartan Twin (not full size) but the other engines are roughly the same shape. Match the letter of the desired dimension to the chart to the left and you can read the dimension in inches.

Engine	A	B	C	D	E	F	G
Tartan TG	1.89	2.25	7.50	2.25	2.75	4.44	8.07
Tartan TI	2.25	2.25	9.50	2.25	2.75	6.43	9.40
S. Tartan TG	1.96	3.46	1.37	4.60	3.81	5.62	9.05
S. Tartan TI	2.16	5.77	3.74	3.11	6.37	7.93	9.60

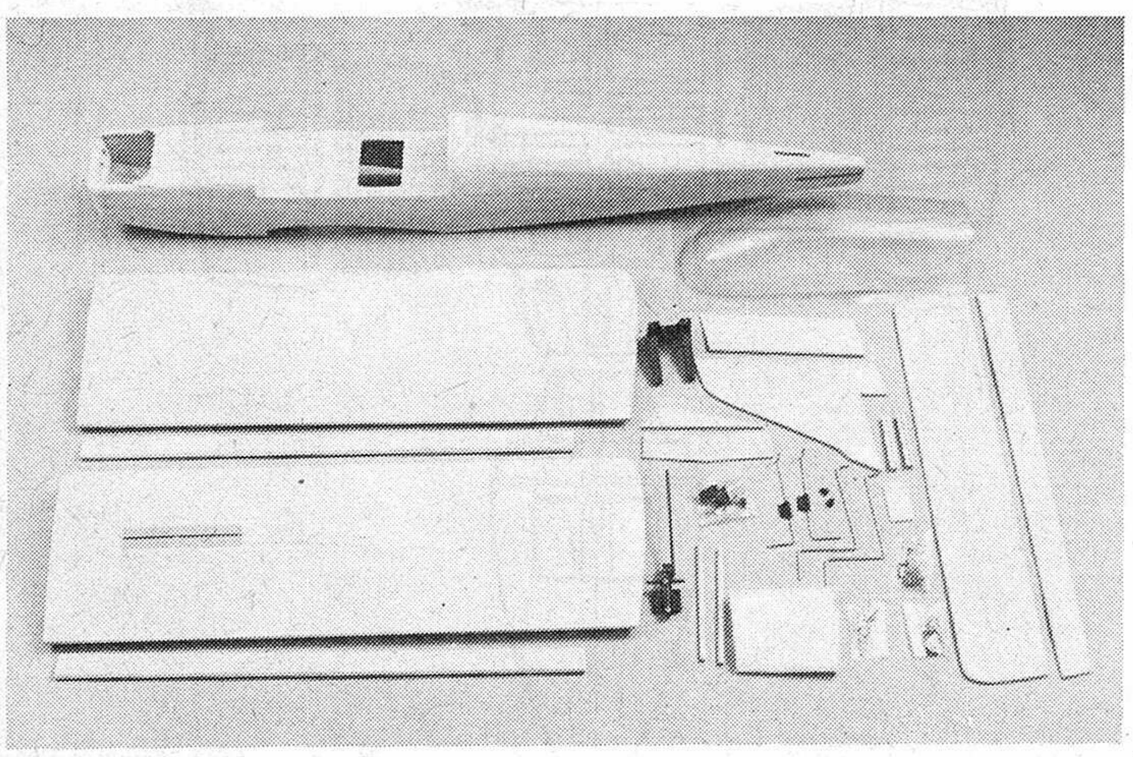
MODELTECH

The Modeltech line is for all of us who don't have the time, motivation, or skill to build an airplane. We have been importing the Modeltech line of 85% pre-assembled kits for quite a few years now and with a great deal of success. We have seen the line grow from a few trainer and glider models to a line that encompasses the entire spectrum of model aircraft.

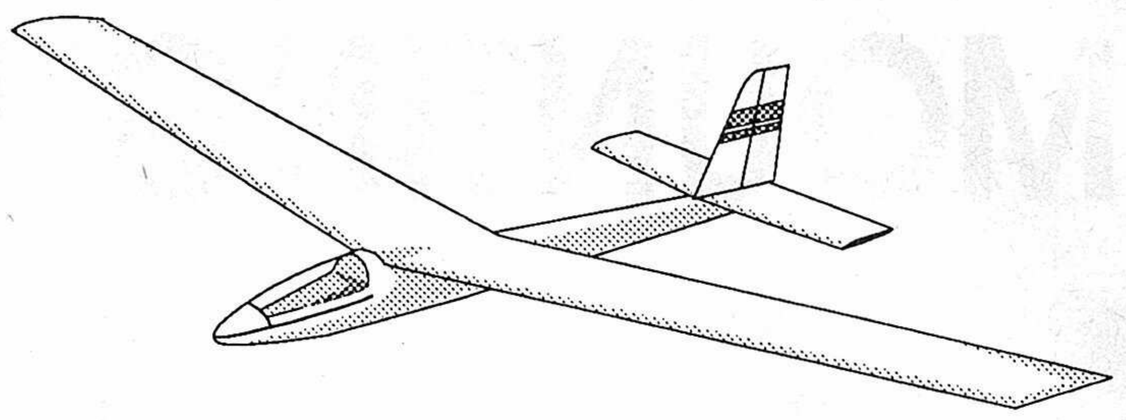
In the photo below, you can see a typical Modeltech kit as it comes right out of the box . The fuselages are balsa sheet with plywood reinforcements inside. The wings are pre-cut foam cores with balsa sheeting already glued on. The dihedral is also pre-cut into each wing half. All you do is glue on the vertical fin and stab, join the wing halves, cover the model and install you radio. Every piece is hand-sanded. Much of the hardware comes with the kit. Some of the bigger kits have cowls and wheel pants as well as clear canopies and landing gear. A few of the bigger kits even have fiberglass landing gear. These are very strong, light weight, and flexible (like shock absorbers).

There are a wide variety of kits to choose from; gliders, fun-fly, scale, turn-around pattern, great looking sportsters, trainers, and probably one of the fastest pylon racers you have flown. These kits have very high quality wood.

These models cost slightly more that most kits, but when you build a kit, you must buy some tools, pins, glue to build the kit. Modeltech has already done most of the building at a very low cost for the high quality of construction. Yes, the prices may be a bit higher, but who do you know that will build a squared-up, sheeted, light weight model for less?



TYPICAL MODELTECH CONSTRUCTION
(PIPER CHEROKEE KIT RIGHT OUT OF THE BOX)



MODELTECH ANGEL 1600

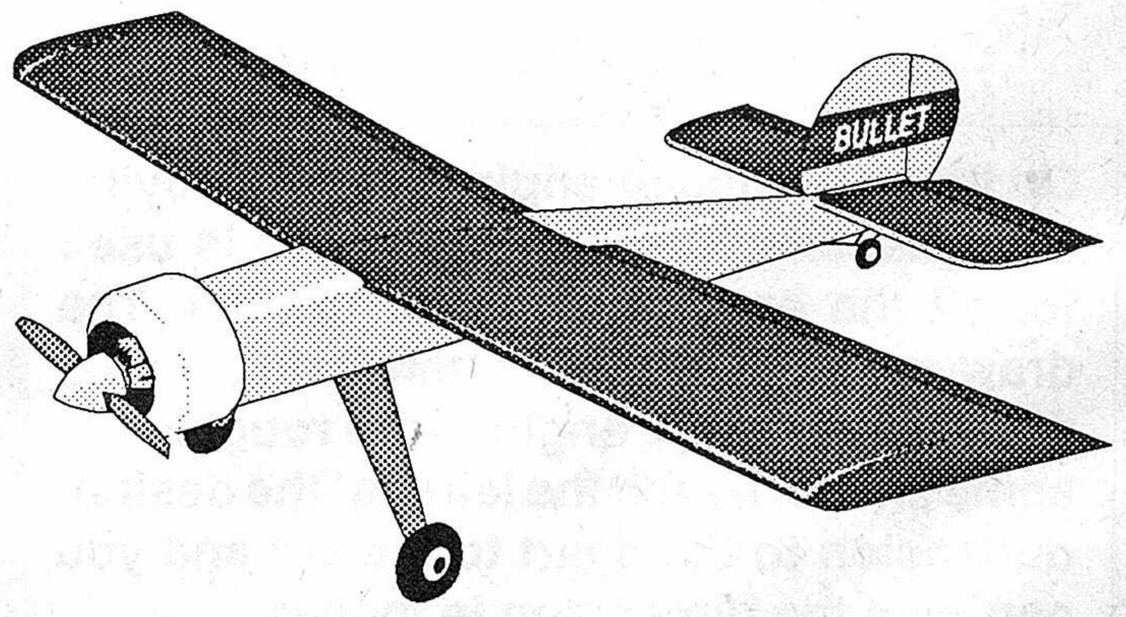
Designed for maximum lift and flight times, the Angel 1600 gives very good results to even non-experienced R/C pilots.

Length ..... 37 inches
Weight ..... 1.7-1.8 pounds (with radio)
Wing Span ..... 62.5 inches
Wing Area ..... 490 square inches
Radio ..... 2 channel
20145 ANGEL 1600 KIT, Retail $70.41

MODELTECH ANGEL 2000

Very long flights are easy to obtain with the big brother of the Angel 2000. The Angel 2000 has been designed for maximum lift and will give great results every time.

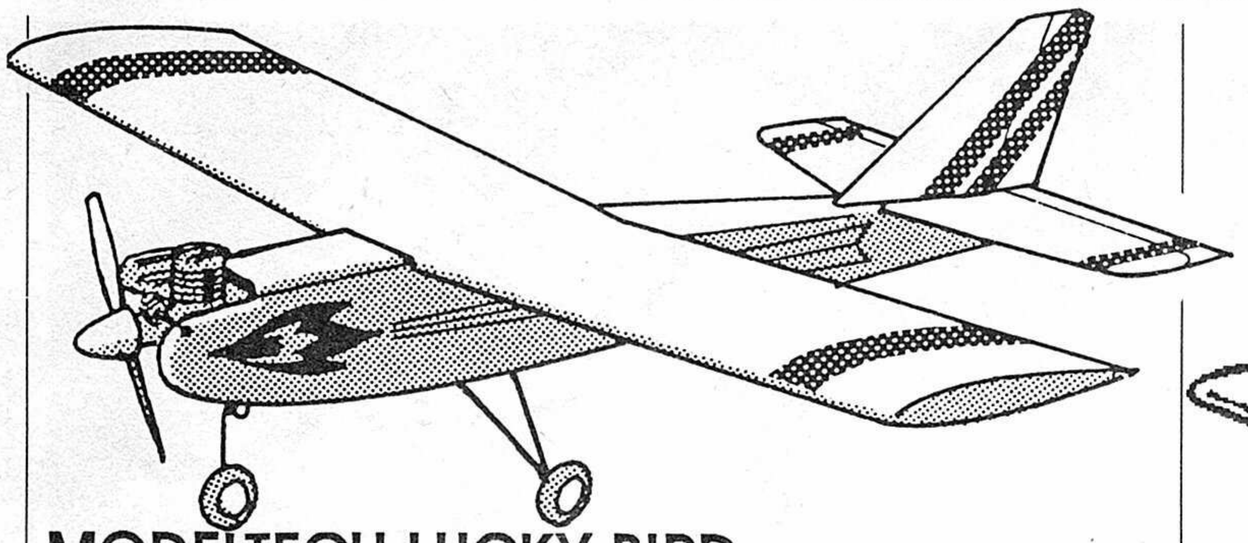
Length ..... 39.5 inches
Weight ..... 2.2 pounds (with radio)
Wing Span ..... 78 inches
Wing Area ..... 598 square inches
Radio ..... 2 channel
20379 ANGEL 2000 KIT, Retail $103.53



MODELTECH BULLET

The Modeltech Bullet is designed to be a variation on the tried and true 'Stik' design. It features a 'bullet-like' cowling that covers the engine. It also utilizes fiberglass landing gear. The Bullet was originally designed to fly with the Maloney 125 as a powerplant.

Length ..... 51 inches
Weight ..... 9 - 9.5 pounds (with radio)
Wing Span ..... 67.25 inches
Wing Area ..... 877 square inches
Engine ..... Maloney 125 (.90-1.50 cubic inch 2 cycle)
Radio ..... 4 channel
21835 BULLET KIT, Retail $224.95



MODELTECH LUCKY BIRD

The Lucky Bird is a .25 size trainer. Its high wing makes it stable enough for the beginner, but with a slightly larger engine, it makes a great sport flying airplane. The kit comes with hardened wire landing gear and a lot of hardware.

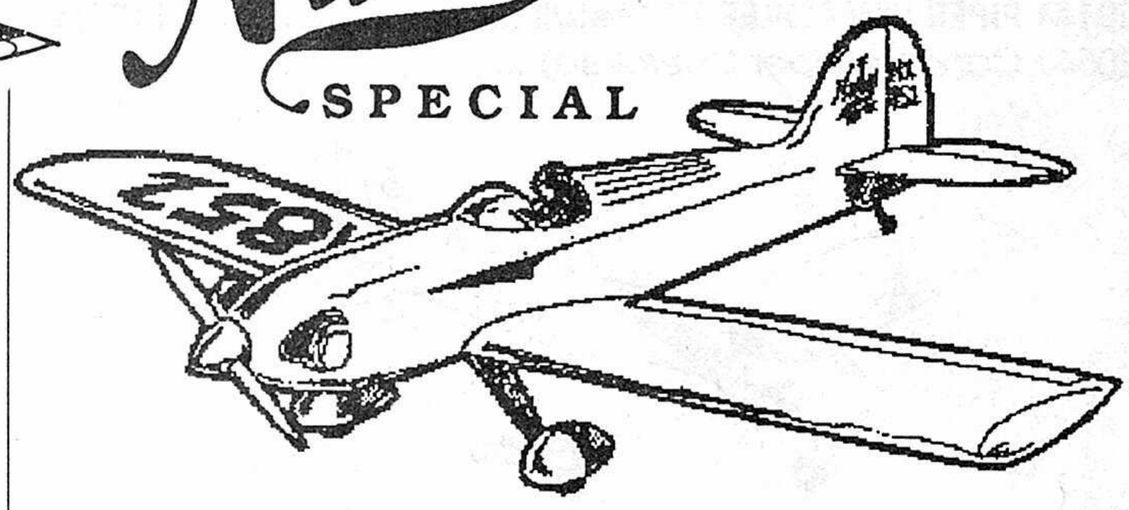
Length ..... 38 inches
Weight ..... 4-5 pounds (with radio)
Wing Span ..... 49 inches
Wing Area ..... 422 square inches
Engine ..... .19-.30 cubic inch 2 cycle
Radio ..... 4 channel
20142 LUCKY BIRD KIT, Retail $83.23

MODELTECH LUCKY STIK

The Lucky Stik is one of the best flying airplanes that we sell. It is great for any fun-fly event and with a little practice, can even handle some pretty advanced aerobatics. It is patterned after the successful "Stik" series of airplanes so you know it's a winner. The Lucky Stik comes with a steerable nose gear and aluminum main gear.

Length ..... 47 inches
Weight ..... 5.5 pounds (with radio)
Wing Span ..... 52 inches
Wing Area ..... 589 square inches
Engine ..... .35-.45 cubic inch 2 cycle
Radio ..... 4 channel
20140 LUCKY STIK KIT, Retail $106.85

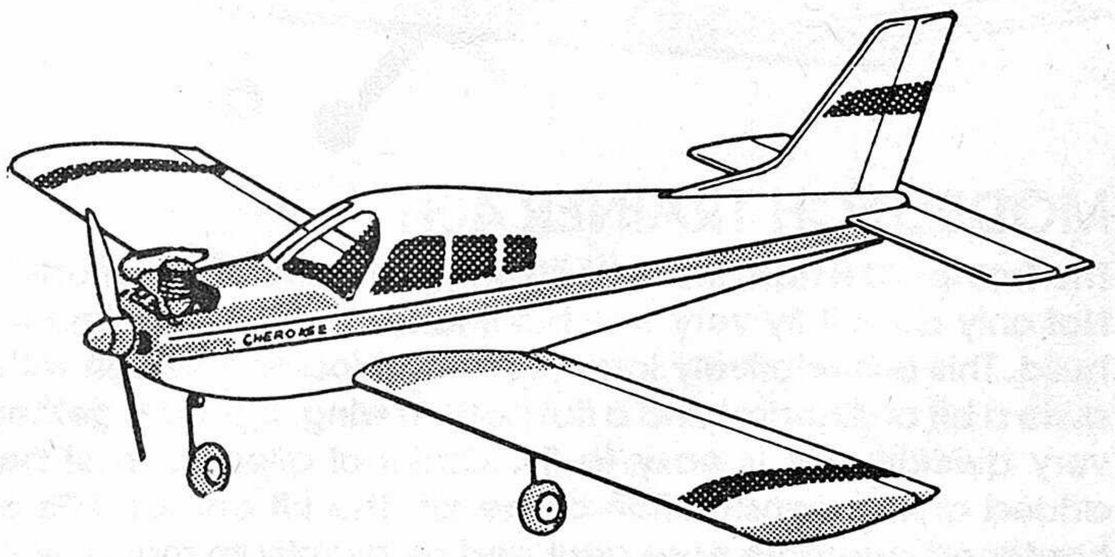
Nutten SPECIAL



MODELTECH NUTTEN SPECIAL

The Nutten Special was designed byChuck Smith. This design, although it may appear very similar to the Dragonlady, is really quite different. This kit features some slightly different building techniques to give it a built-up look. By glueing balsa strips on the elevator and rudder, it looks as though there is framework underneath. This greatly enhances the way that the model looks. The Nutten Special comes with a clear canopy, fiberglass cowl, wheelpants and landing gear.

Length ..... 52 3/8 inches
Weight ..... 9.25 - 10.25 pounds (with radio)
Wing Span ..... 66.5 inches
Wing Area ..... 820 square inches
Engine ..... .90-1.25 cubic inch 2 cycle
Radio ..... 4-5 channel
21351 NUTTEN SPECIAL KIT, Retail $274.95
21718 Cowl (Nutten Special) $24.95
21890 Tailwheel assembly (Nutten Special) $6.95
21887 Windshield (Nutten Special) $1.50



MODELTECH PIPER CHEROKEE

This is a sport-scale model of the Piper Cherokee. It looks different but the changes make it fly quite a bit better. The Cherokee is designed for a .25 size engine and is very aerobatic. The kit comes with a clear canopy and hardened wire landing gear with a steerable nose gear.

Length ..... 37.25 inches
Weight ..... 3.3-3.5 pounds (with radio)
Wing Span ..... 49.5 inches

CONTINUED ON NEXT PAGE

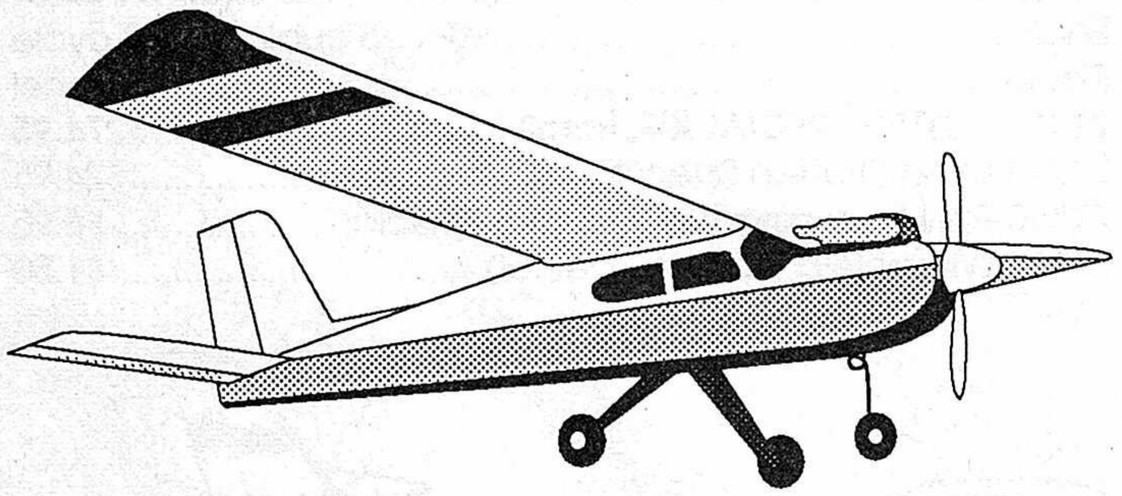
MODELTECH PIPER CHEROKEE CONTINUED

Wing Area .....433 square inches
Engine .....19-.35 cubic inch 2 cycle
Radio .....4 channel
20141 PIPER CHEROKEE KIT, Retail $103.53
20543 Canopy (Piper Cherokee) $3.95

MODELTECH THUNDERBIRD

The Thunderbird is a .25 size patern ship. It is one of the most manueverable planes that Modeltech makes. The kit comes with a hardened steerable nose gear and an aluminum main gear.

Length .....41 inches
Weight .....3-4 pounds (with radio)
Wing Span .....48.5 inches
Wing Area .....432 square inches
Engine .....25-.35 cubic inch 2 cycle
Radio .....4 channel
20143 THUNDERBIRD KIT, Retail $103.50

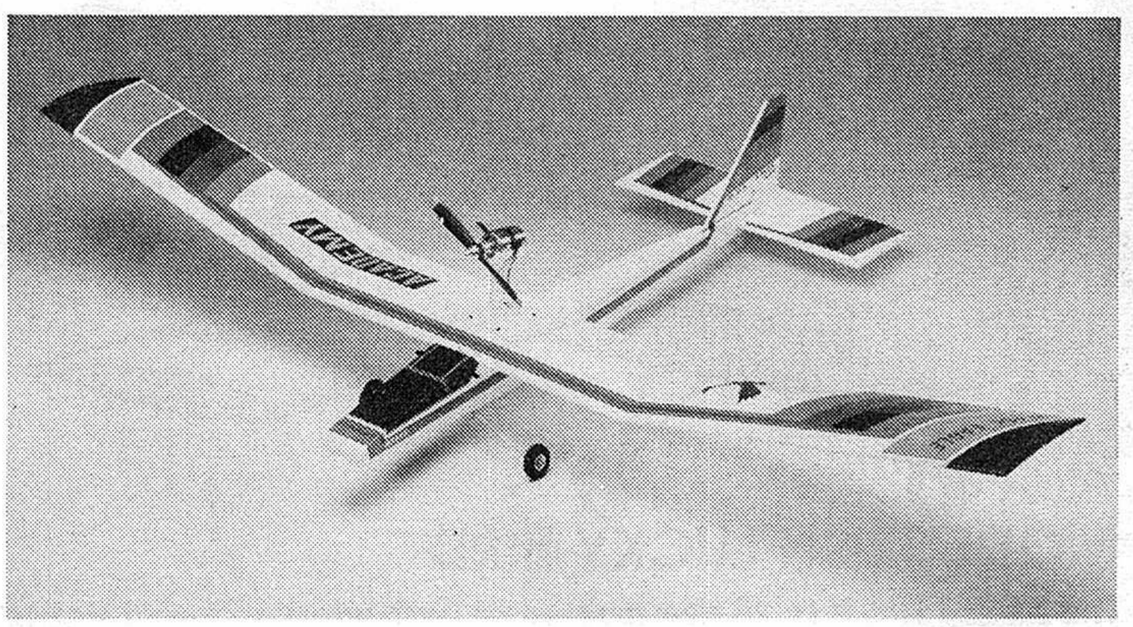


MODELTECH TRAINER 40H

The Trainer 40 H from Modeltech is the ultimate trainer model. Not only does it fly very well but it takes a very short time to build. This is a relatively large, low wing loading design with quite a bit of dihedral and a flat bottom wing. It goes together very quickly and is easy to fly. Optional ailerons must be added during construction of the kit. The kit comes with a hardened steerable nose gear and an aluminum main gear.

Length .....43 3/8 inches
Weight .....5-5.5 pounds (with radio)
Wing Span .....59 inches
Wing Area .....630 square inches
Engine .....25-.45 cubic inch 2 cycle
Radio .....3-4 channel
21130 TRAINER 40H KIT, Retail $117.48
21321 Optional aileron kit (Trainer 40H) $7.95

COMING SOON! MODELTECH BIPLANE 60

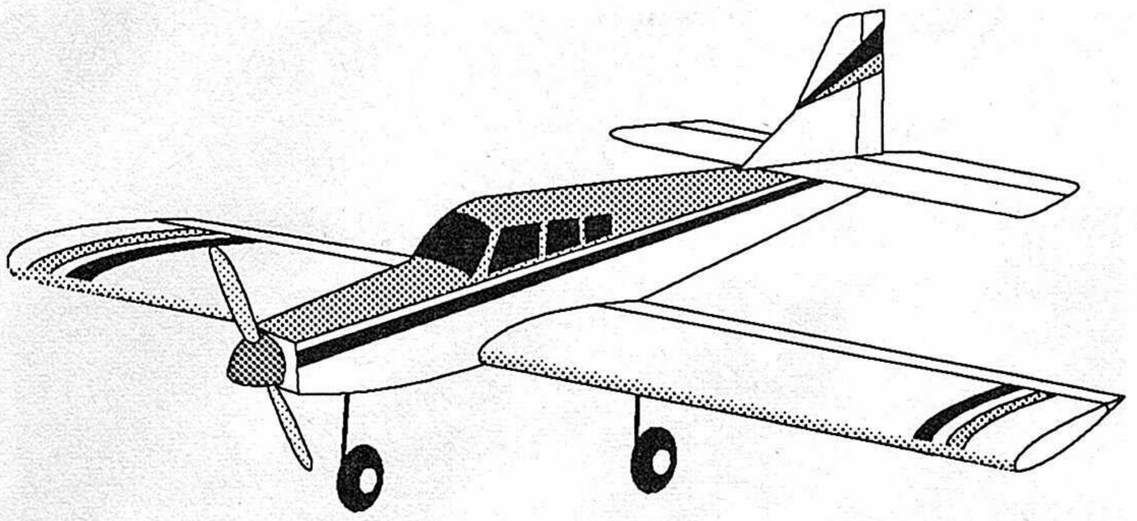


NEW! BLACK EAGLE (electric)

The Black Eagle is a new addition here at World Engines for 1988. It flies very similar to any powered glider. The instruction manual says that flight times of 3 minutes can be expected, our testing shows that the Black Eagle will easily fly 10-15 minutes with no problem using our GE^{max} 7.2V 1400 mAh NiCad battery packs.

The plane comes mostly pre-built (to the same extent as our Modeltech line of kits). The fuselage is pre-assembled from balsa and plywoods. The wing and stabilizer come pre-built and covered with tissue. Just join the three wing pieces together, glue on the vertical fin and stabilizer, attach the motor (included), attach the landing gear and wheels (included), attach the moveable surfaces, and install the radio. Although no additional covering is neccesary it can be covered with any heat-shrinkable material (Solarfilm) or it can be painted with regular dope. The kit comes with a 540 motor, a balanced 7 x 6 plastic prop, hardened wire landing gear (prebent), wheels, and all the hardware needed to complete the kit. *The Black Eagle requires a 2 channel radio, and a 7.2V flat pack NiCad battery pack to operate.*

Length .....37.2 inches
Weight .....2.75 pounds (ready to fly)
Wing Span .....57.8 inches
Wing Area .....416.9 square inches
Engine .....Mabuchi 540 electric motor (included)
Radio .....2-3 channel
25287 BLACK EAGLE KIT, Retail $134.95



CHEROKEE ARF

The Cherokee ARF is pre-built and pre-covered right out of the box. This is a great sport pattern plane. It comes with everything you need except the radio and the engine.

Length .....48.2 inches
Weight .....5-5.5 pounds (with radio)
Wing Span.....55.11 inches
Wing Area .....543 square inches
Engine .....40-.61 cubic inch 2 cycle
Radio .....4 channel
21747 CHEROKEE ARF KIT, Retail $169.95

COSMO 10

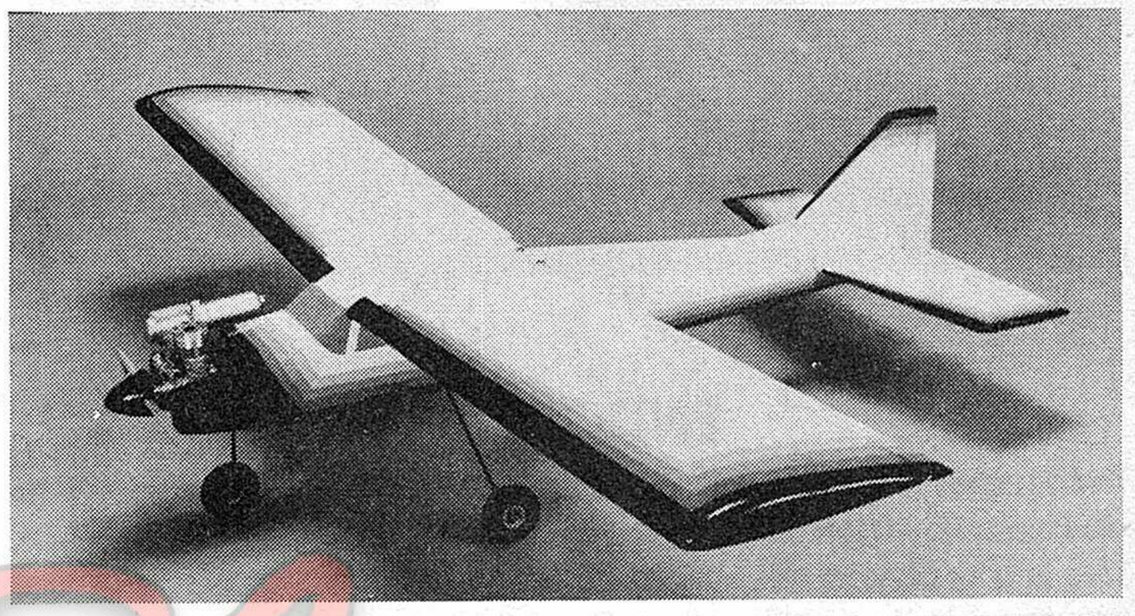
The Cosmo 10 is a small trainer made for .10 size engines. It is a very stable high wing design that flies incredibly good for its size. It features balsa and die-cut plywood in it's construction which is similar to any other kit on the market these days. The kit comes with pre-bent, hardened wire landing gear, hardware and a spinner.

Length .....33 inches
Weight .....2.5-3 pounds (with radio)
Wing Span.....41.75 inches
Wing Area .....310 square inches
Engine .....09-.15 cubic inch 2 cycle
Radio .....3-4 channel
21340 COSMO 10 KIT, Retail $24.95

COSMO 25

The Cosmo 25 is a bigger version of the Cosmo 10. It takes a .25 size engine and flies very well. The kit comes with pre-bent, hardened wire landing gear, hardware and a spinner.

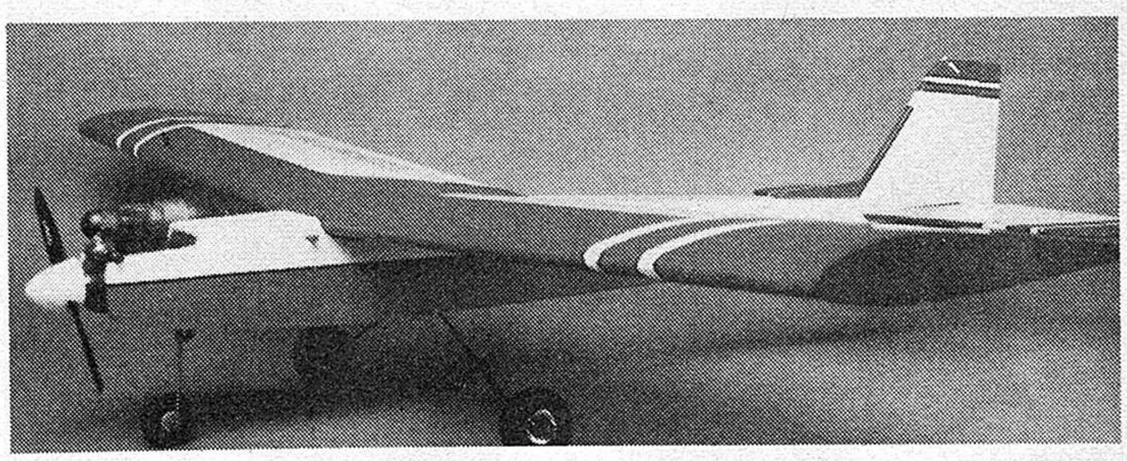
Length .....38.4 inches
Weight .....3.25-3.75 pounds (with radio)
Wing Span.....50.5 inches
Wing Area .....450 square inches
Engine .....19-.35 cubic inch 2 cycle
Radio .....3-4 channel
21217 COSMO 25 KIT, Retail $39.95



COSMO 40

The Cosmo 40 is the big brother to the Cosmo 10 & 25 kits. This model is slightly different in styling because it features a cabin area under the wing. The kit comes with pre-bent, hardened wire landing gear, hardware and a spinner.

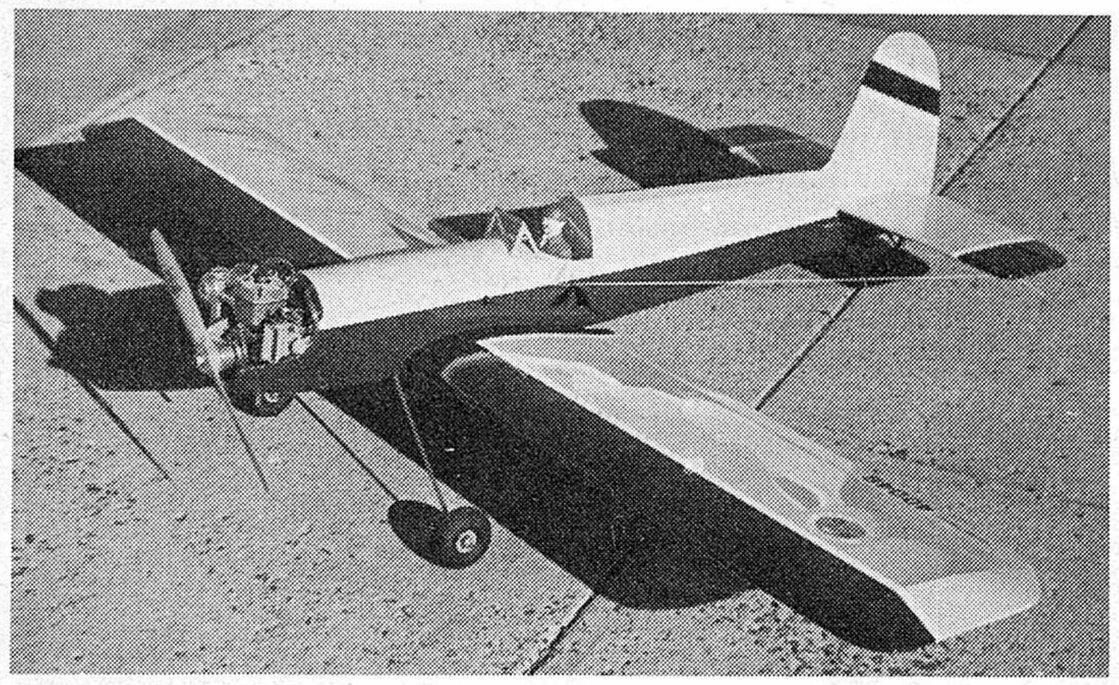
Length .....46 inches
Weight .....5-5.5 pounds (with radio)
Wing Span.....61 inches
Wing Area .....666 square inches
Engine .....35-.51 cubic inch 2 cycle
Radio .....4 channel
21334 COSMO 40 KIT, Retail $59.95



COSMO 40 HURRICANE

The Cosmo 40 HURRICANE is the same size as the Cosmo 40 above but is styled similarly to the Cosmo 10 and Cosmo 25 kits. The kit comes with pre-bent, hardened wire landing gear, hardware and a spinner.

Length .....46 inches
Weight .....5-5.5 pounds (with radio)
Wing Span.....61 inches
Wing Area .....666 square inches
Engine .....35-.51 cubic inch 2 cycle
Radio .....4 channel
21334 COSMO 40 KIT, Retail $59.95



NEW!

ENTICER

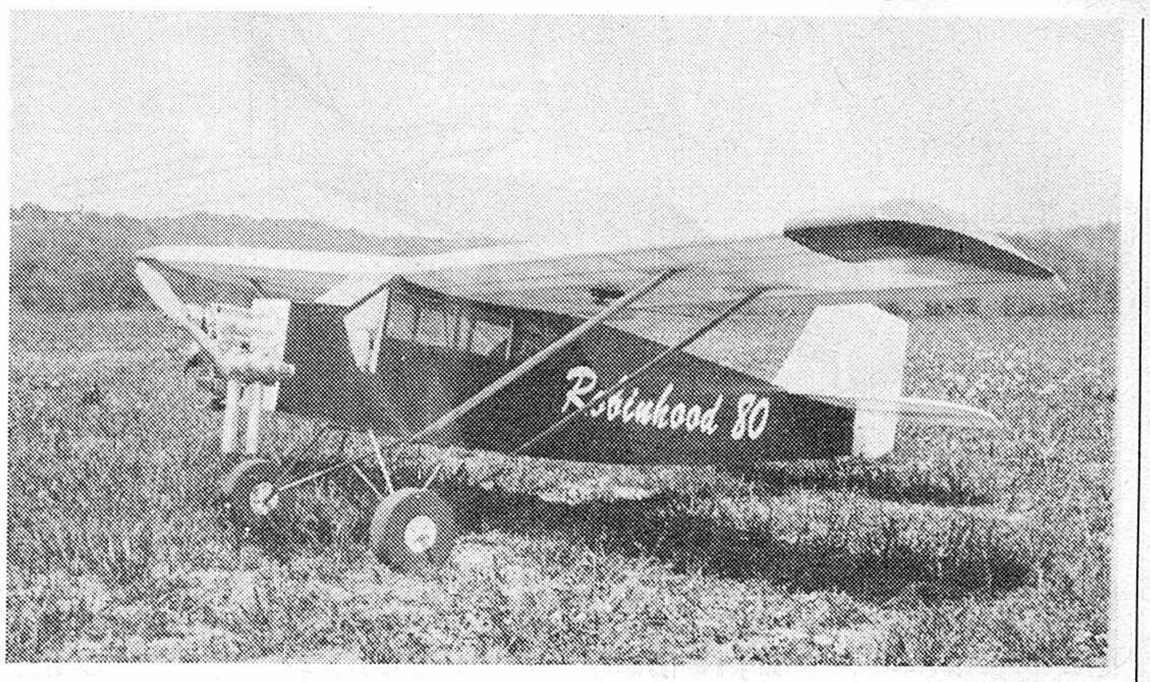
The Enticer is one of our new kits for 1988. This taildragger was designed by Dick Sarpolus to fly with our Maloney 125 engine.. This is a ready to assemble kit that utilizes balsa and die-cut plywood in its construction. The kit comes with a clear windshield and pre-bent, hardened landing gear.

Length ..... 53 inches
Weight ..... 9 pounds (with radio)
Wing Span ..... 72 inches
Wing Area ..... 930 square inches
Engine ..... 90-1.50 cubic inch 2 cycle
Radio ..... 4 channel
21502 ENTICER KIT, Retail ..... $NPA

ROBINHOOD 63

The newest member of the Robinhood family is the RH- 63. This spoof-scale version of the Curtis Robin makes a great trainer and sport flier. It is a ready to assemble kit which features balsa and die-cut plywood in its construction. It comes with a clear windshield and hardened wire landing gear.

Length ..... 48 inches
Weight ..... 4-5 pounds (with radio)
Wing Span ..... 63 inches
Wing Area ..... 617.4 square inches
Engine ..... 35-.51 cubic inch 2 cycle
Radio ..... 4 channel
21732 ROBINHOOD 63 KIT, Retail $64.95



ROBINHOOD 80

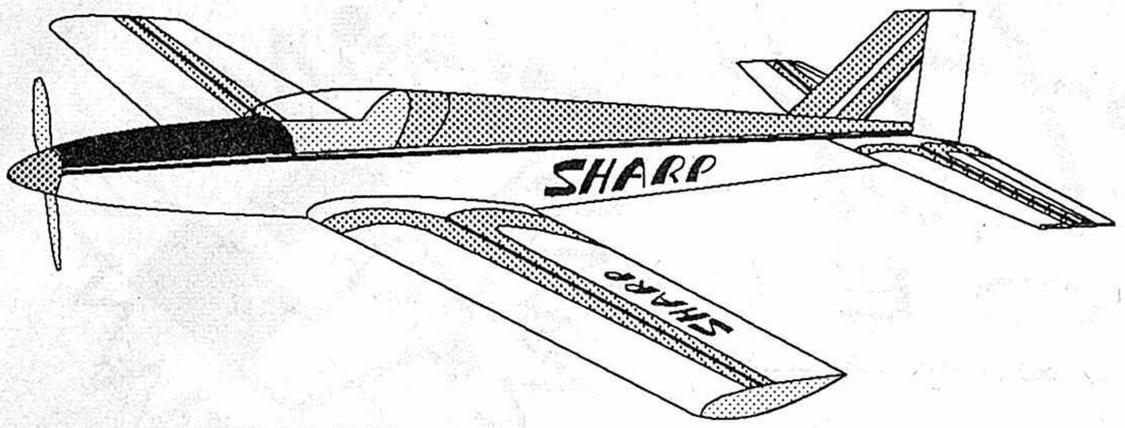
The Robinhood 80 is a great flying airplane which is designed to fly with the Maloney 125 engine. This spoof-scale version of the Curtis Robin makes a barnstormer's sport flier. The kit comes ready to assemble and features balsawood and die-cut plywood in its contruction. It comes with a clear windshield and hardened wire landing gear.

Weight ..... 10-12 pounds (with radio)
Wing Span ..... 80 inches
Wing Area ..... 1200 square inches
Engine ..... 90-1.50 cubic inch 2 cycle
Radio ..... 4 channel
21333 ROBINHOOD 80 KIT, Retail $89.95

ROBINHOOD 99

This is the biggest airplane that we sell. It flies very much like a full-scale aircraft would fly. The kit is ready to assemble and features balsawood and die-cut plywood in its construction. It comes with a clear windshield and hardened wire landing gear.

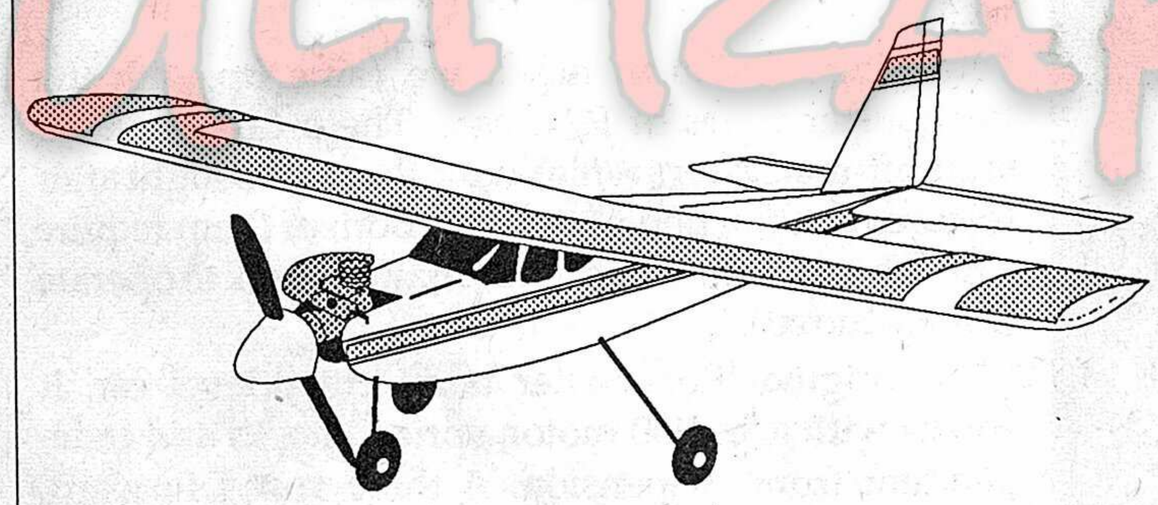
Weight ..... 20-24 pounds (with radio)
Wing Span ..... 99 inches
Wing Area ..... 1782 square inches
Engine ..... 2-3 cubic inch 2 cycle
Radio ..... 4 channel
20310 ROBINHOOD 99 KIT, Retail $199.95



SHARP 45 ARF

The Sharp 45 is an ARF (almost ready to fly) kit. It is pre-built and precovered. It is a pattern aircraft that is very stable and predictable. It comes with a clear canopy, pre-bent, hardened landing gear (optional retracts), wheels, spinners, pushrods - everything you need to fly except the engine and the radio system.

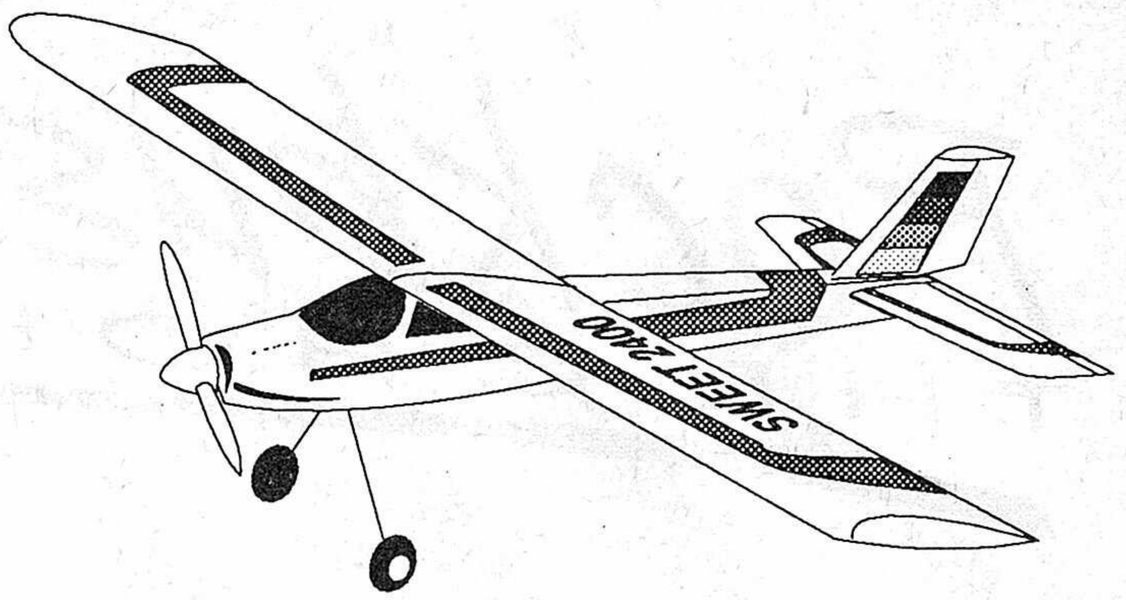
Length ..... 49.8 inches
Weight ..... 6-7 pounds (with radio)
Wing Span ..... 59.3 inches
Wing Area ..... 622 square inches
Engine ..... 40-.61 cubic inch 2 cycle
Radio ..... 4-5 channel
21746 SHARP 45 KIT, Retail $189.95



SKY HUNTER ARF

The Sky Hunter is an ARF (almost ready to fly) kit. It is pre-built and precovered. It is a good trainer airplane that is also very aerobatic. It comes with a clear canopy, pre-bent hardened landing gear, wheels, spinners, pushrods - everything you need to fly except the engine and the radio system.

Length ..... 47.7 inches
Weight ..... 4.8-5.2 pounds (with radio)
Wing Span ..... 55.5 inches
Wing Area ..... 564.2 square inches
Engine ..... 40-.61 cubic inch 2 cycle
Radio ..... 4 channel
21745 SKY HUNTER KIT, Retail $149.95

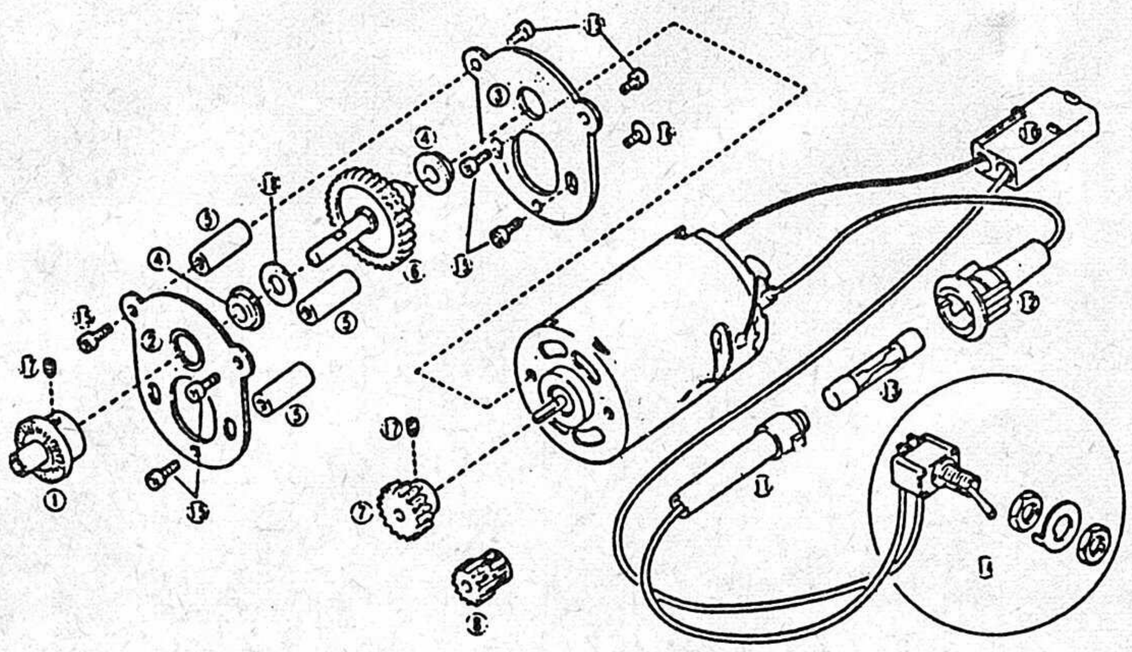


SWEET 2400 ARF

The Sweet 2400 is an electric ARF (almost ready to fly). It features pre-built balsa construction and comes pre-covered. It comes with all hardware and a custom designed propeller for maximum performance from the power unit. Four channels will allow the motor to be switched on and off for longer flight times. Requires a 7.2V NiCad pack to operate.

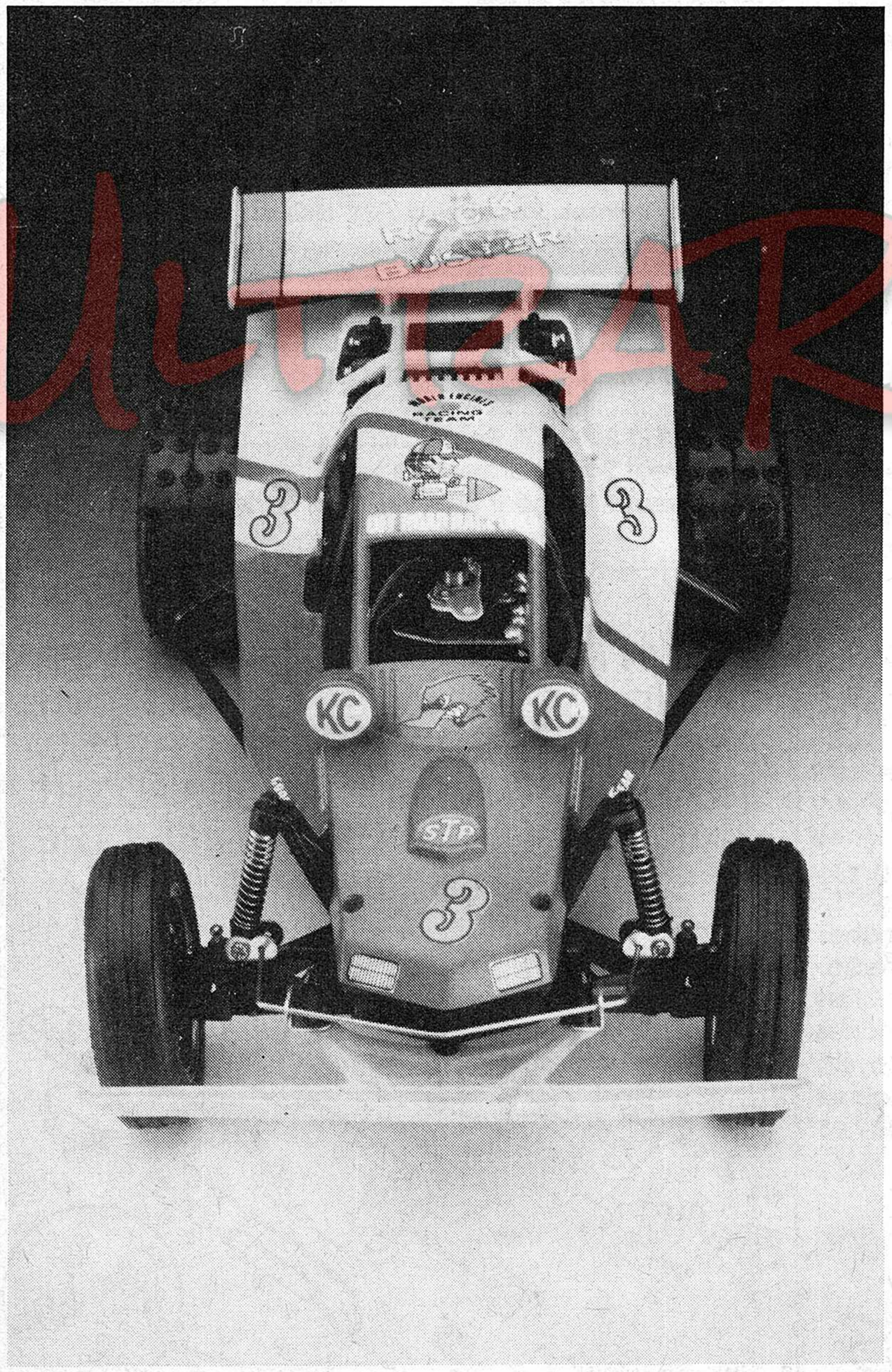
Length ..... 36.6 inches
Weight ..... 46.6 ounces (with battery)
Wing Span ..... 47.2 inches
Wing Area ..... 372 square inches
Engine ..... Mabuchi 540 electric (included)
Radio ..... 3-4 channel
21720 SWEET 2400 KIT, Retail $125.00
21882 Sweet 2400 ball bearing set $17.95
21883 Sweet 2400 gear train with ball bearings $49.95

SHOWN BELOW IS AN EXPLODED VIEW OF THE SWEET 2400 GEAR TRAIN WITH BALL BEARINGS. IT IS A GEAR REDUCTION UNIT WHICH INCREASES FLIGHT TIME BUT SLIGHTLY DECREASES THE RPM OF THE PROP.



WORLD kits

Rockbuster
THE CHOICE!

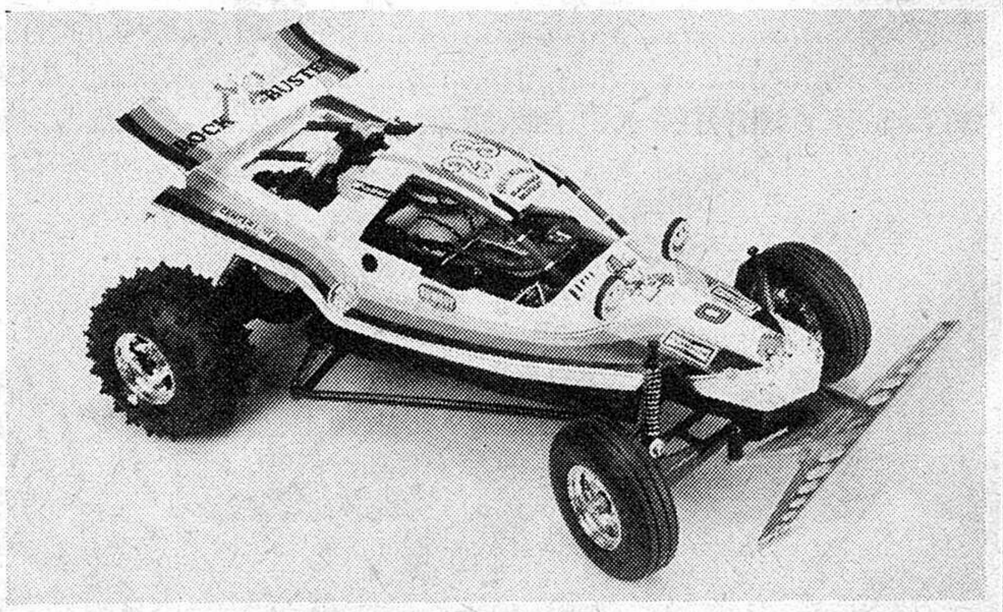


Choosing a R/C car these days can be pretty confusing; two wheel drive, four wheel drive, front wheel drive and even four wheel drive with four wheel steering. Should you get a car with plastic or metal parts, one that has a simple, spring-type suspension system or a highly complex oil dampened suspension? One thing to remember is that though some of these highly complex features are nice to have, the cost of the car goes up substantially for every part added and some of the features really don't work that well.

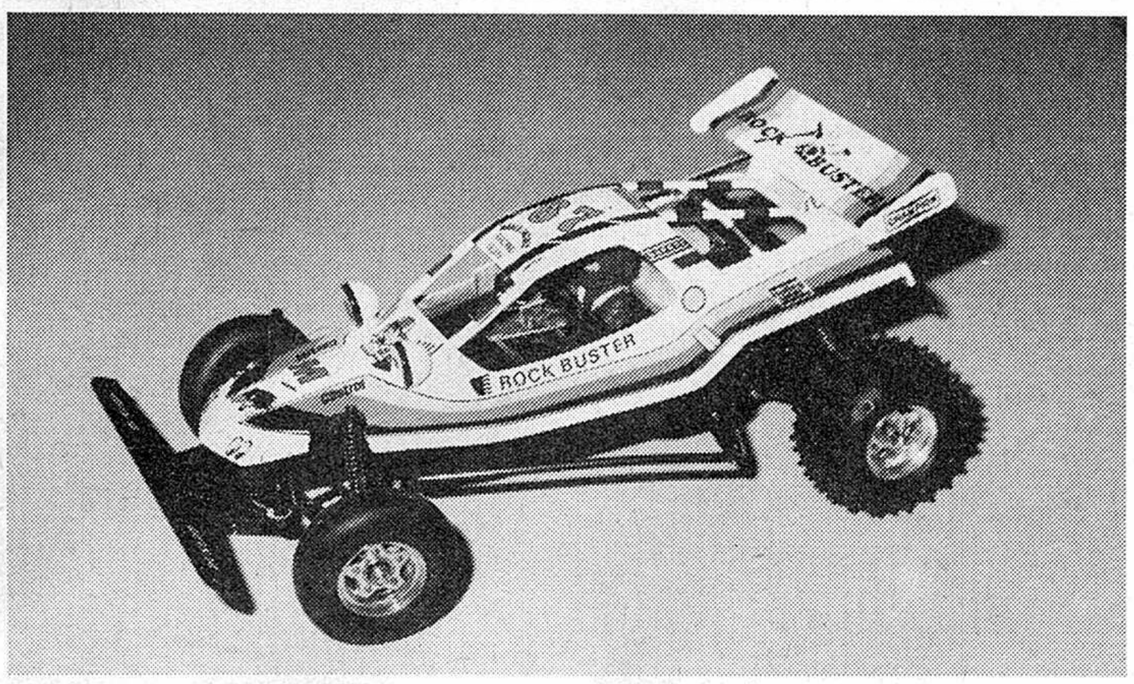
Keeping all this in mind, we came up with the Rockbuster series of R/C cars. These cars are 1/10 scale off-road racers which have the most sought after features at a fraction of the cost. Both of them require a two channel radio and a 7.2V. battery pack to operate (not included).

The original Rockbuster is an entry level car. It comes with a RS-380 motor, spring shocks and independent front suspension. A three speed forward, three speed reverse servo operated speed controller is also included. The rear differential is housed in the sealed gear box.

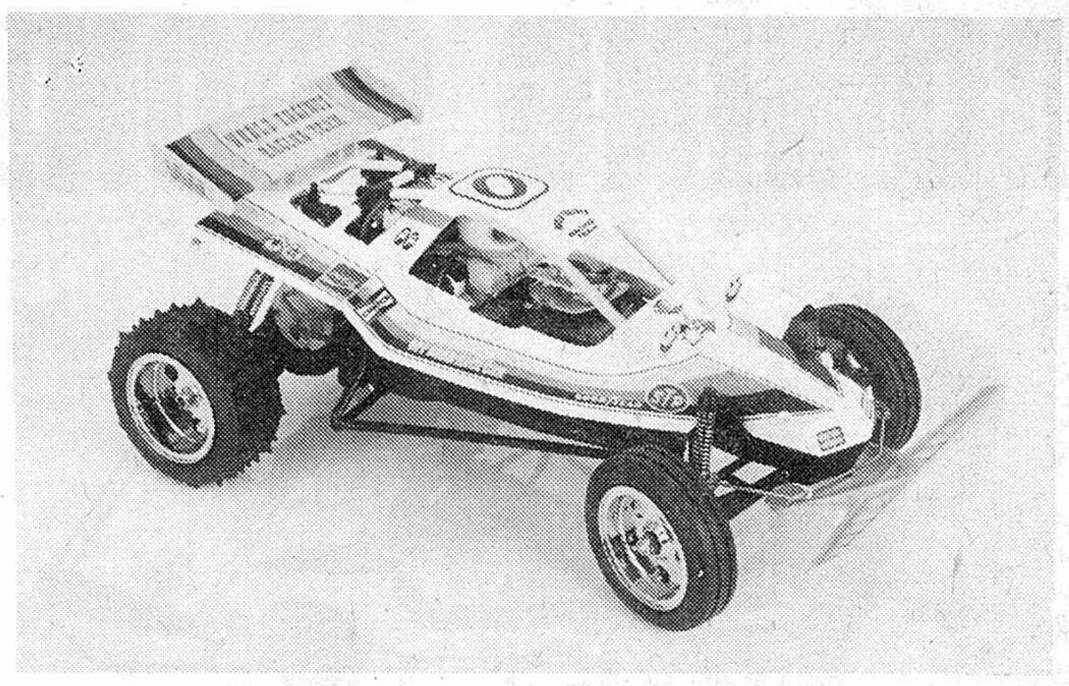
The Hopped-Up Rockbuster follows the same concept as the original Rockbuster but it is more of a competition level car. A RS-540 motor is standard and the rear spring shocks are now replaced with adjustable oil dampened shocks. The front end receives a torsion bar to keep the front tires on the ground when taking those high speed corners.



Rockbuster body may be painted to match the photo above.



ORIGINAL ROCKBUSTER



HOPPED-UP ROCKBUSTER

ROCKBUSTER R/C CAR KITS — **RETAIL**

21331 ORIGINAL ROCK BUSTER BUGGY KIT 59.95
21343 ORIGINAL ROCK BUSTER BUGGY ASSEM. 71.95
21772 HOPPED UP ROCK BUSTER KIT 81.95
21719 HOPPED UP ROCK BUSTER ASSEMBLED 99.95

ORIGINAL ROCKBUSTER REPLACEMENT PARTS

10015 HA-D $5.20
21483 #1 HA-A F-ARM/C B CUR/S S HORN 6.50
21492 #10 HE-G4/06 FRONT & REAR AXLE 3.25
21493 #11 HB-A/B BOLT & SHAFT 1.95
21494 #12 HB-C/D BOLT & SPACER 3.50
21495 #13 HB-F SPRING & ROD 3.50
21496 #14 HB-H16 STICKER & ANTENNA 3.50
21484 #2 HA-B GEAR BOX 4.80
21485 #3 HA-1 CHASSIS/EI BUMPER 6.00
21486 #4 GD-BT BODY & DRIVER 9.00
21488 #6 HA-F/HD-A1 PR.FRONT TIRE & WHEEL 6.75
10007 FRONT TIRE SET $3.50
10008 FRONT WHEEL SET $3.30
21489 #7 HA-R/HD-A2 PR. REAR TIRE & WHEEL 10.95
10009 REAR TIRE SET $5.60
10010 REAR WHEEL SET $5.40
21490 #8 HB-E GEAR SET 3.50
21721 NYLON COUNTER GEAR (2) 1.50
21491 #9 HB-45&G1B PINION GEAR SET 1.95
21487 #5 HB-G2 SPEED CONTROLLER 6.75
21500 SPEED CONTROL RESISTOR 2.50
21916 SA-17 4-WAY WRENCH 1.10
21713 HEAVY DUTY SUSPENSION KIT 16.95
21744 HOP-UP KIT 19.95

HOPPED-UP ROCKBUSTER REPLACEMENT PARTS

21483 #1 HA-A F-ARM/C B CUR/S S HORN 6.50
10015 HA-D $5.20
21492 #10 HE-G4/06 FRONT & REAR AXLE 3.25
21493 #11 HB-A/B BOLT & SHAFT 1.95
21494 #12 HB-C/D BOLT & SPACER 3.50
21495 #13 HB-F SPRING & ROD 3.50
21496 #14 HB-H16 STICKER & ANTENNA 3.50
21484 #2 HA-B GEAR BOX 4.80
21490 #8 HB-E GEAR SET 3.50
21721 NYLON COUNTER GEAR (2) 1.50
21491 #9 HB-45&G1B PINION GEAR SET 1.95
21784 RB6 FRONT WHEEL & TIRE 10.95
10011 FRONT TIRE SET $5.60

HOPPED-UP ROCKBUSTER REPLACEMENT PARTS — **RETAIL**

10012 FRONT WHEEL SET $5.40
21785 RB7 REAR WHEEL & TIRE 12.75
10013 REAR TIRE SET $7.25
10014 REAR WHEEL SET $5.80
21487 #5 HB-G2 SPEED CONTROLLER 6.75
21500 SPEED CONTROL RESISTOR 2.50
21916 SA-17 4-WAY WRENCH 1.10
21790 RB17 OIL DAMPENED SHOCKS 16.95
21782 RB3 CHASSIS & BUMPER 7.95
21783 RB4 DRIVER & BODY 12.50

NEW FROM CRP - FRONT SHOCK KIT!

This new front shock kit replaces the front shocks on all of the Rockbuster cars. By installing the metal mounting bracket and the two oil-filled shocks, you can greatly improve your handling for those tight corners.

21897 FRONT SHOCK KIT, Retail 19.99

The hop-up kit for the Original Rockbuster consists of a RS-540 motor, pinion gear, and two capacitors to keep your radio from picking up electrical interference.

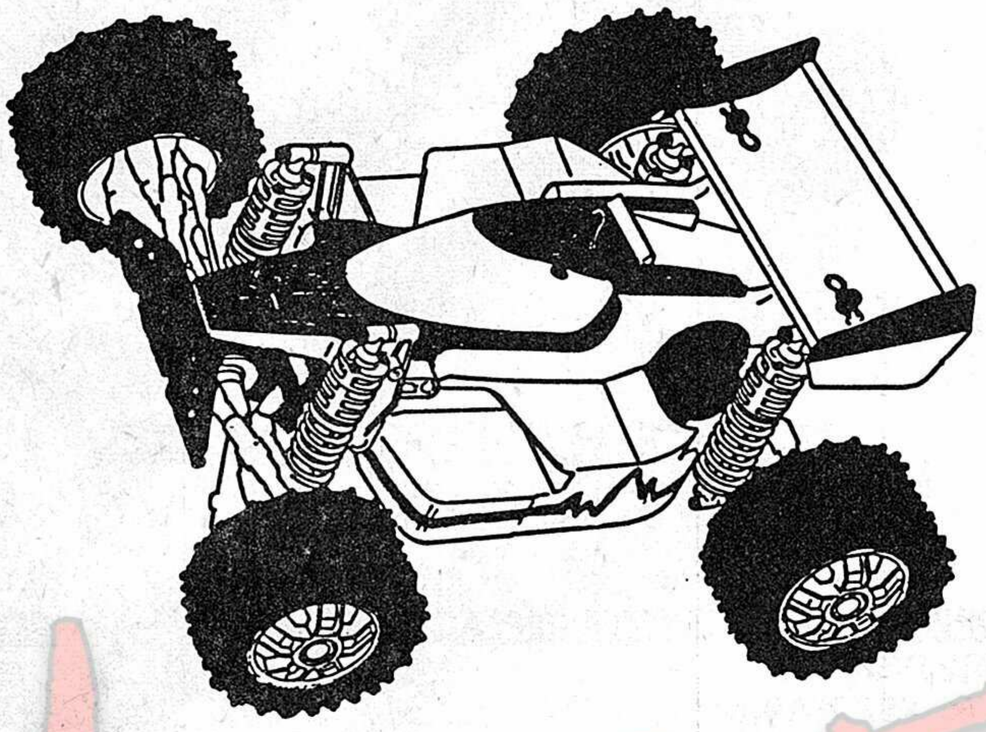
The heavy-duty suspension kit for the Original Rockbuster consists of two adjustable oil-filled shocks to replace the spring type shocks supplied with the kit.

NOW YOU CAN ADD BALL BEARING PERFORMANCE TO YOUR ROCKBUSTER!

(The bearing set has 9 large BB's and 1 small BB's.)

21903 BALL BEARING SET, Retail 25.95
21901 SMALL BALL BEARING, Retail $2.95
21902 LARGE BALL BEARING, Retail $2.50

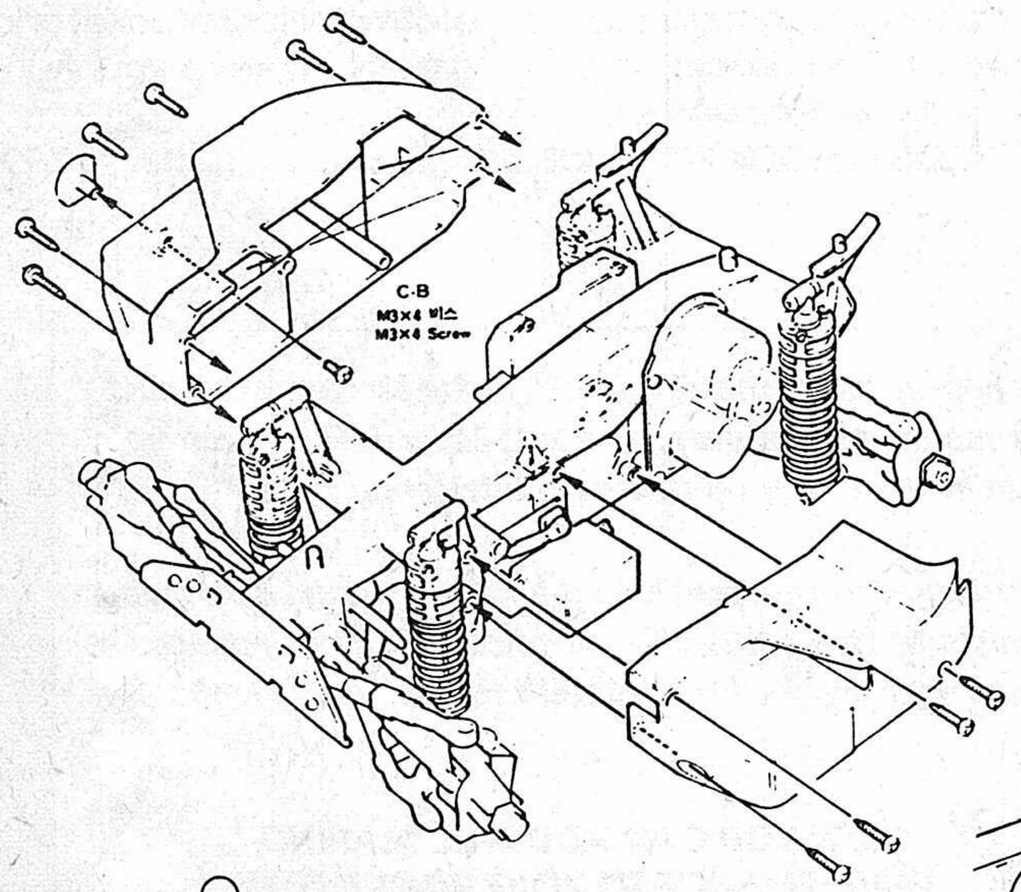
COMING SOON!

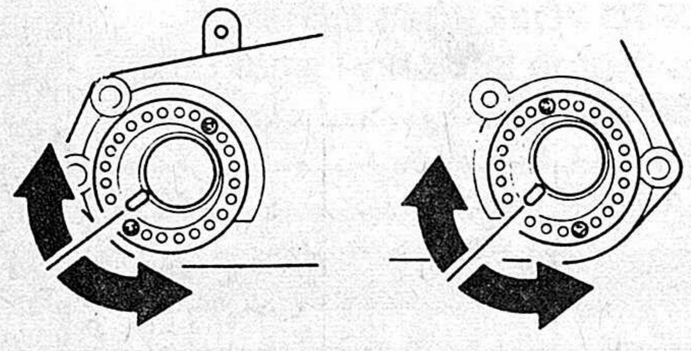


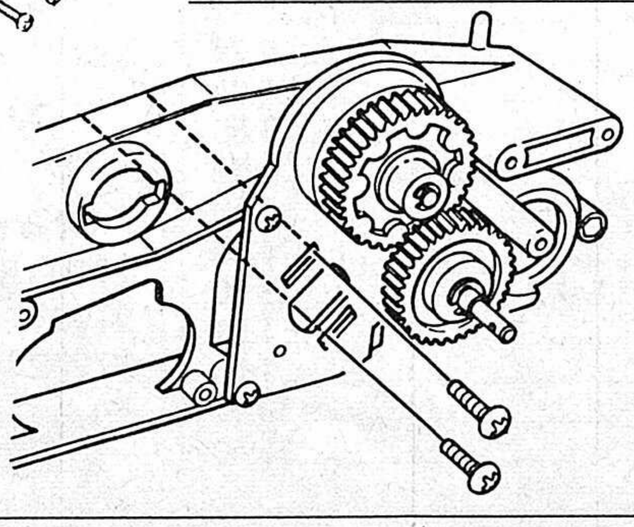
MERCURY Xi-4 (4WD)

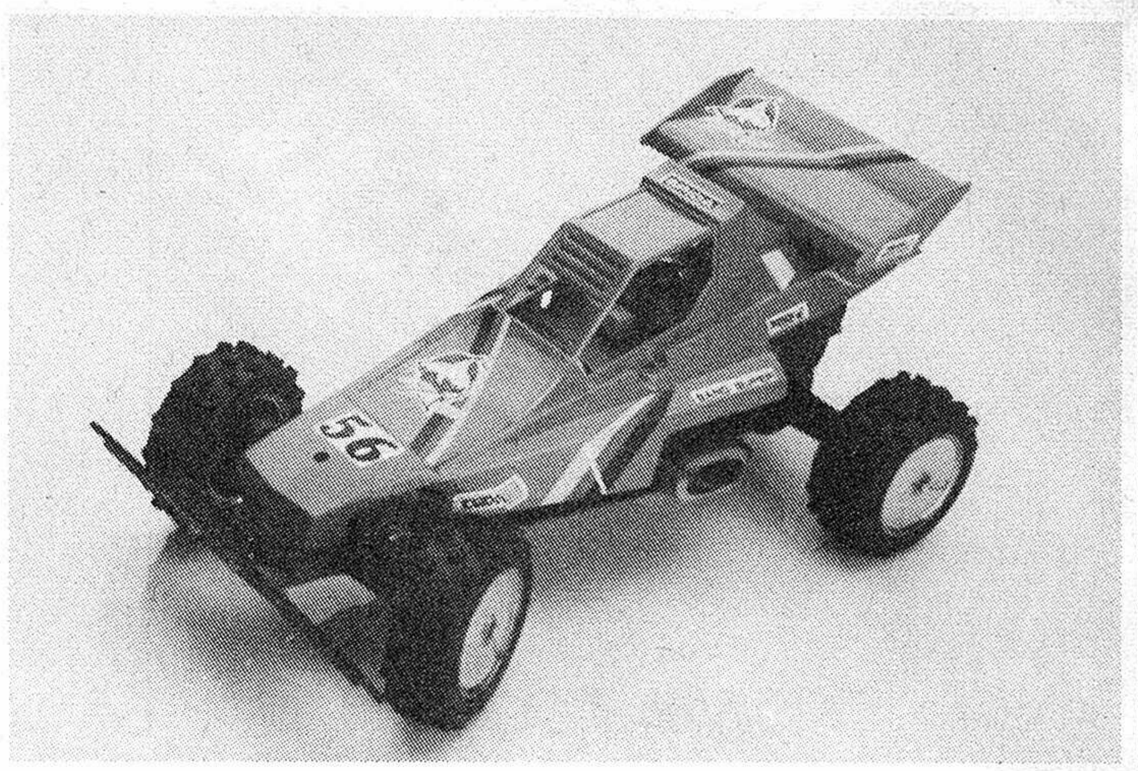
This is a new 4WD car that is made to be very competitve. It features 3 differentials driven by a two belt system (one for the front and one for the rear). It comes standard with a RS-540 motor and ball bearings. Other features are adjustable oil-filled shocks, adjustable center differential, wishbone suspension in the front and rear, easily removable gear cover, polycarbonate body, low profile, and semi neumatic tires. We will also stock a full supply of parts.

MERCURY XI-4 CAR	RETAIL
10102 Mercury XI-4, 4WD, Retail	$NPA







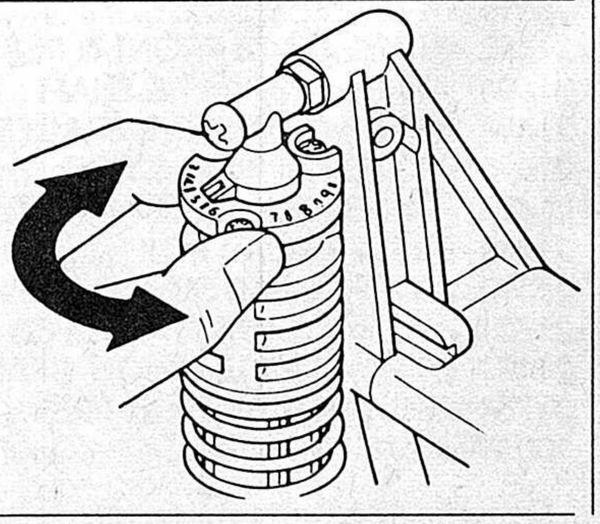


HURRICANE

The Hurricane is a new kind of car. It is a 1/10 scale R/C car that comes completely assembled and has its own two channel radio installed. It has an RS-540 motor, durable fiberglass chassis, spring shocks in the front and back and a lot of other extras. It is a very durable car that will keep up with a lot of higher priced cars. We also stock a full supply of replacement parts.
The Hurricane requires a 7.2V NiCad flat pack, 8 AA pencell batteries for the transmitter and 4 AA pencell batteries for the receiver to operate.

HURRICANE CAR	RETAIL
21845 HURRICANE ASSEMBLED WITH RADIO	149.95

HURRICANE REPLACEMENT PARTS	
21850 PR-002 SERVO MOTOR	14.75
21851 PR-005 RECEIVER ANT.	1.85
21854 PR-006 TRANS. ANT.	3.70
21855 PR-009 12V RECHARGER	8.05
21849 PR-010 MOTOR GEAR SET	4.60
21852 PR-011 GEAR CASE	5.55
21860 PR-014 FIBREGLASS CHASSIS	4.60
21864 PR-015 FRNT ARM SET	4.60
21858 PR-016 REC. BATRY CASE	3.25
21861 PR-017 COIL SPRING ASSMBLY	4.60
21865 PR-019 BATTERY CASE	3.70
21862 PR-020 INTERNAL BOX FRAME	4.60
21859 PR-022 ON/OFF SWITCH	1.85
21863 PR-023 I.C. BOARD	44.60
21866 PR-024 SPEED CONTROL BOARD	13.80
21847 PR-025 DECALS & COWLING	9.20
21853 PR-026 FRONT WHEEL SET	7.46
21848 PR-027 REAR WHEEL SET	7.40
21856 PRO-12/13 FRNT BUMPER SUPPORT SYS.	8.80



BALSA WOOD

36" Strips

13146	1/8 x 1/8	$0.27
13148	1/8 x 1/4	$0.40
13151	3/16 x 3/16	$0.40
13155	1/4 x 1/4	$0.50
13157	1/4 x 1/2	$1.00
13161	1/2 x 1/2	$1.30

36" Sheets

13166	1/4 x 1	$1.00
13167	3/8 x 1	$1.35
13179	1/16 x 3	$1.10
13180	3/32 x 3	$1.30
13181	1/8 x 3	$1.50
13182	3/16 x 3	$1.85
13183	1/4 x 3	$2.30
13189	3/32 x 4	$1.90
13190	1/8 x 4	$2.15

48" Strips

14987	1/4 x 1/4	$0.60
18780	3/16 x 3/16	$0.50

ELECTRIC ACCESSORIES

21335	GEmax 7.2V 1400mAh(hump)	$23.95
21467	GEmax 7.2V 1400mAh(flat)	$27.95
21348	Battery Adapter	$1.95
21347	DC Charger with timer	$17.95
21620	AC slow charger	$7.95
21727	Pro-Ace 1010 AC/DC	$74.95

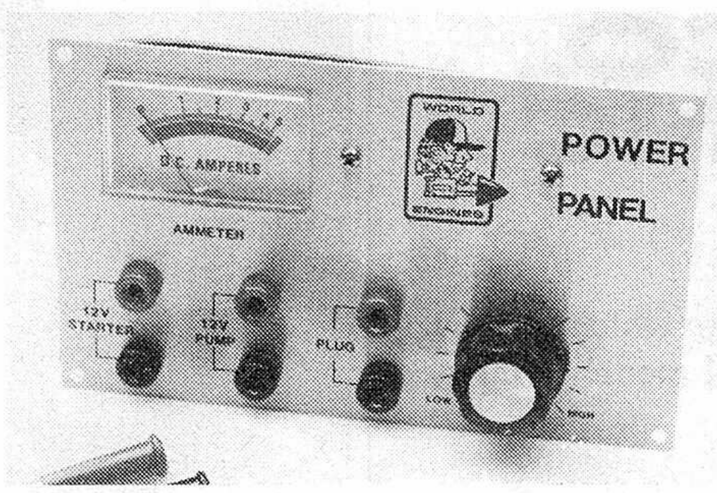
The PRO-ACE AC/DC charger is for charging 4.8-9.6V rechargeable battery packs. It features adjustable current, 0-15 minute mechanical timer which automatically switches to trickle charge after the fast charge cycle is completed, fused circuits on both the AC and DC power lines, power input of 110VAC or 12VDC.

The EXPERT DC charger is for charging 7.2V rechargeable battery packs. It features 0-30 minute mechanical timer which automatically switches to trickle charge after the fast charge cycle is completed, fused circuitry, power input of 12VDC.

The EXPERT Slow charger is for charging 7.2V rechargeable battery packs overnight. It has a power input of 110VAC only.

EXPERT ACCESSORIES

20335	Heat Seal Iron	$20.95
20334	Heat Gun	$27.95
21736	Power panel	$34.95
21716	Hand Pump (nitro)	$10.95
11225	Razor Blades (100 per box)	$5.50



The Expert power panel runs off any 12VDC power source and has outputs for a 12V starter, electric fuel pump and glow plug (current supplied to the glow plug is adjustable and can be read in the meter).

The Expert heat gun and iron is for shrinking most any heat shrinkable coverings for model airplanes. It has a three way switch for heat, off, and cool.

EXPERT WOOD PROPS

20147	9 x 6	$1.45
20148	10 x 6	$1.59
21602	10 x 7	$1.59
10481	11 x 6	1.79
10482	11 x 8	1.79
10483	11 x 9	1.79
20149	11 x 7	$1.79
20150	11 x 7.5	$1.79
20385	12 x 6	$2.50
20386	12 x 9	$2.50
20388	13 x 6	$3.20
20389	13 x 8	$3.20
20151	14 x 6	$3.90
20152	14 x 8	$3.90
20387	14 x 10	$3.90
20390	15 x 8	$5.90
20153	15 x 10	$5.90
20391	16 x 6	$8.90
20154	16 x 8	$8.90
20155	16 x 10	$8.90
20156	17 x 10	$9.90
20157	18 x 6	$11.75
20158	18 x 8	$11.75
20159	18 x 10	$11.75
20160	20 x 8	$13.50
20161	20 x 10	$13.50

PLYWOOD

1/64"

13220	6 x 12	$1.90
11920	12 x 12	$2.65
11919	12 x 24	$5.90

1/32"

11895	6 x 12	$1.60
13227	12 x 24	$4.90

1/16"

13222	6 x 12	$1.70
13228	12 x 24	$5.00

3/32"

13223	6 x 12	$2.00
13229	12 x 24	$6.50

1/8"

13224	6 x 12	$2.25
13230	12 x 24	$7.10

3/16"

13225	6 x 12	$2.25
13231	12 x 24	$6.25

1/4"

13226	6 x 12	$2.35
13232	12 x 24	$6.50

SOLARFILM

Solarfilm is a low temperature, very light weight covering material. It is made to be ironed on over balsa, plywood, and even most of the new ARF materials such as styrofoam and foam core sheets. It comes in 27" x 78" rolls only.

19276	WHITE	8.50
19277	YELLOW	8.50
19278	ORANGE	8.50
19280	RED	8.50
19281	BLACK	8.50
19282	TRANSPARENT YELLOW	8.50
19283	TRANSPARENT ORANGE	8.50
19284	TRANSPARENT RED	8.50
19286	METALLIC GREEN	8.50
19287	METALLIC BLUE	8.50
19288	METALLIC RED	8.50
19289	METALLIC GOLD	8.50
19290	LUX BLUE	8.50

WORLDTEX

WorldTex is a high temperature, iron-on covering material. It is stronger than regular coverings because of its fabric weave. It is also capable of going around very complicated, compound curves with no wrinkling. WorldTex comes in 27" x 78" rolls only.

19162	WHITE	14.95
19163	RED	14.95
19164	BLUE	14.95
19165	YELLOW	14.95
19166	ORANGE	14.95
19167	ANTIQUE	14.95
20321	NATURAL	14.95
20322	OLIVE DRAB	14.95
20323	TRANSPARENT RED	14.95
20324	TRANSPARENT BLUE	14.95
20325	TRANSPARENT YELLOW	14.95
21050	BLACK	14.95

A2D MICRO CO. INC.

A2D JOYSTICKS FEATURE:

Open Gimbal Stick Assemblies - This is a design which was originally developed for competition radio control model flying and results in a lighter feel and precise response.

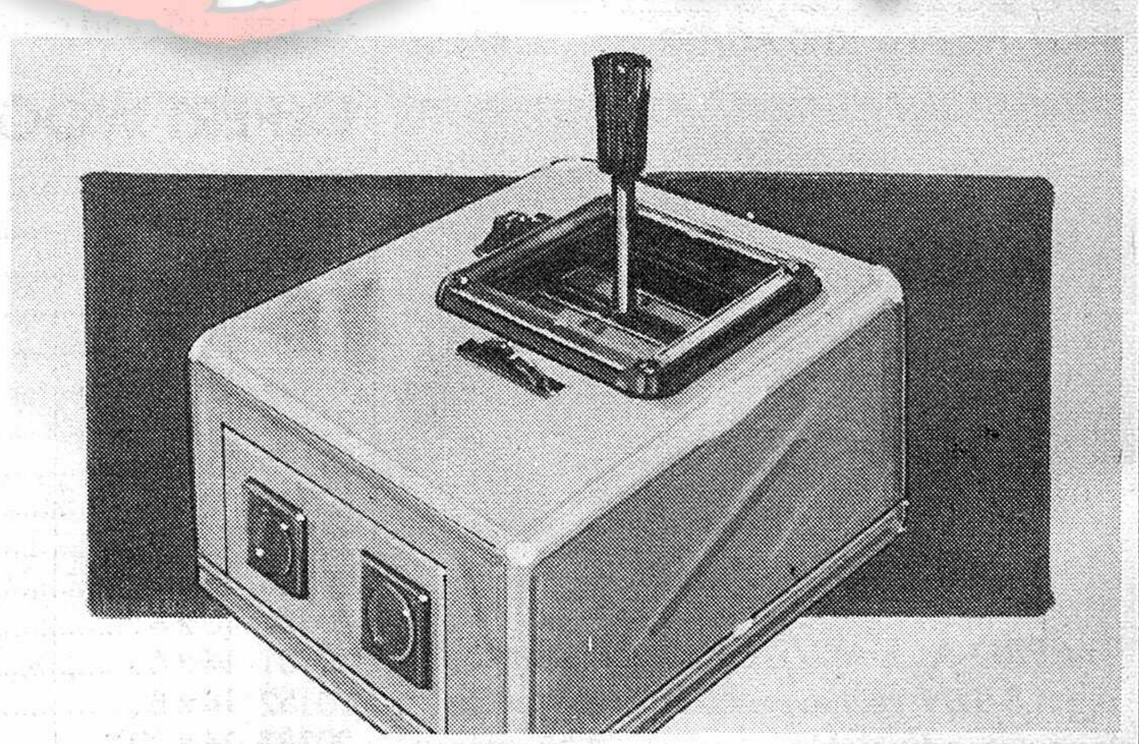
Mechanical Trim Adjustment - The mechanical trim levers allow the user to control the 'home' position of the cursor on the screen. When using the self-centering mode, the used can set the return position of the cursor to essentially any position on the screen.

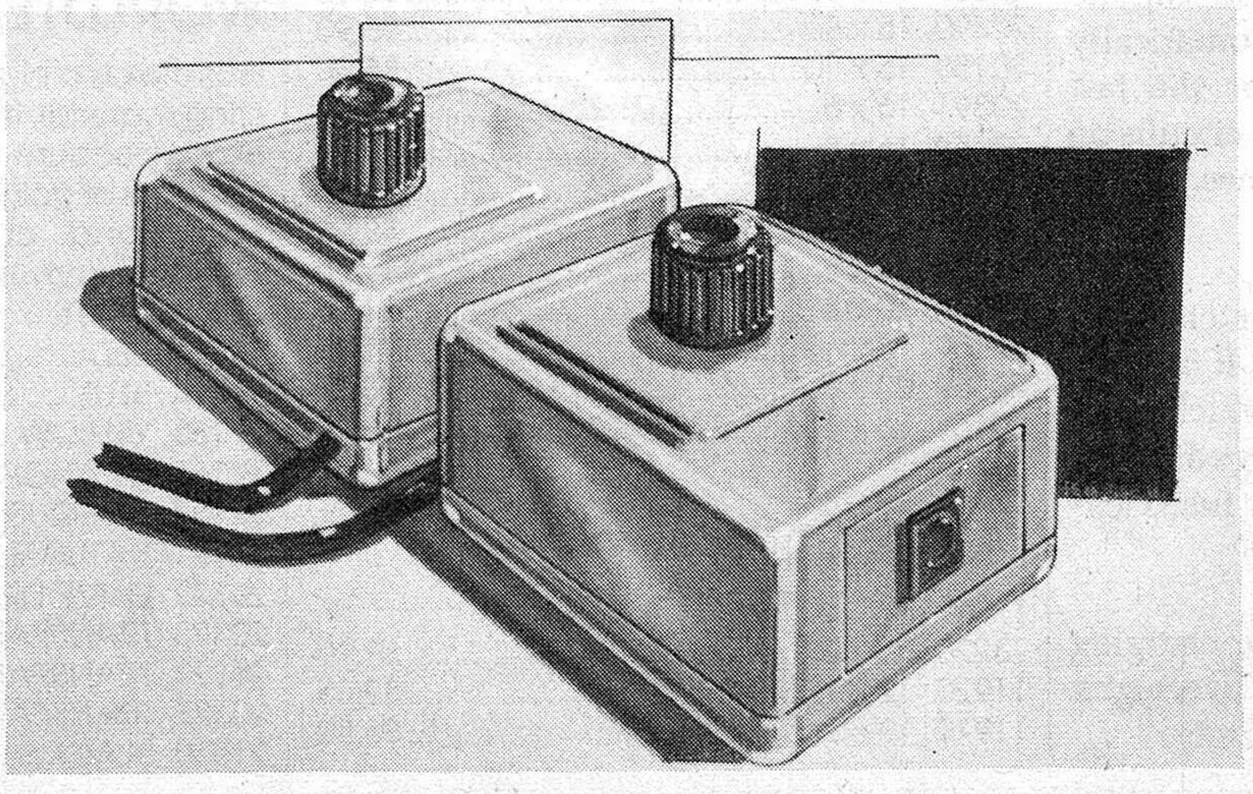
External Spring Defeat Controls - This feature enables the user to disable the self-centering spring action of the joystick by turning two knobs on the outside of the bottom of the case. The stick remains in any desired position when the hand is removed from the joystick.

Firing Buttons - The tactile feel firing buttons are large and soft. They are adapted from computer keyboard technology with an expected lifetime of 5,000,000 presses.

Hand held, not table based - The joystick is designed to be hand held with eight feet of cable to allow the user comfort and freedom of movement. It is easily operated by left of right handed individuals.

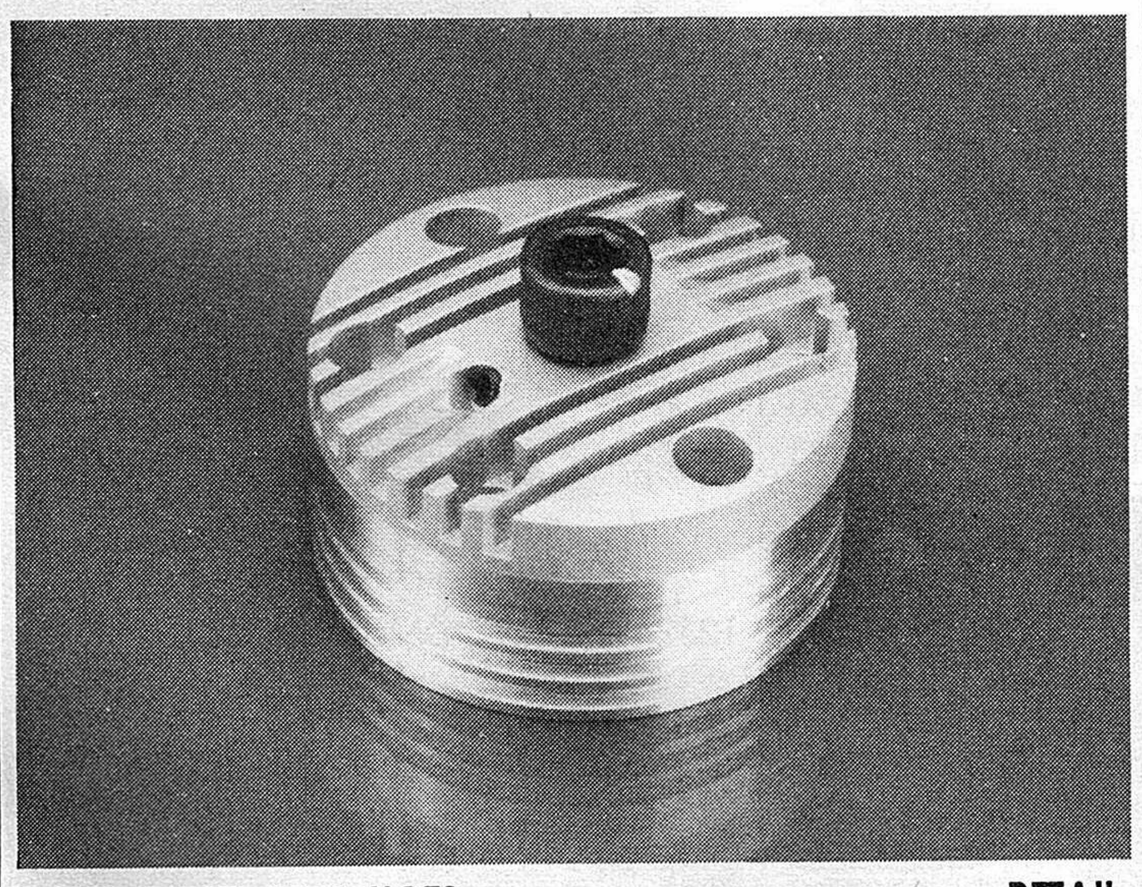
		RETAIL
18322	MODEL 2002 PADDLE	27.79
18323	2001 APPLE II JOYSTICK	49.95
19242	3001 APPLE IIe JOYSTICK	49.95
21149	4001 TANDY COCO JOYSTICK	49.95
21697	6001 TANDY 1000 JOYSTICK	49.95





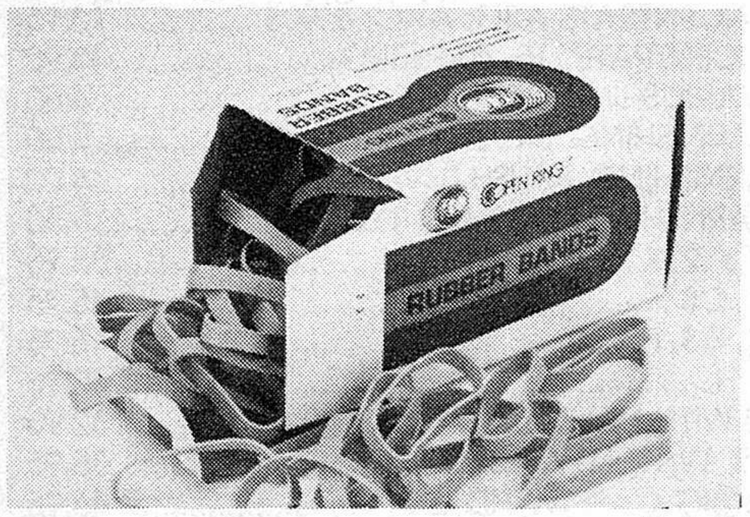
DAVIS DIESEL

WORLD ENGINES IS NOW THE EXCLUSIVE DISTRIBUTOR OF DAVID DIESEL, DIESEL CONVERSION PRODUCTS.



DAVIS DIESEL PRODUCTS	RETAIL
24503 B-25K BRAT.25FSR AIRCRAFT (SHUTTLE)	39.95
24514 C-40KU COMO .40, .51 RING, ABC	46.95
24557 D-5-15 FOR C-5 HDC	1.00
24558 D-5-20 FOR C-55 OR C-5K	1.00
24527 D-60K OPS .60/.61	52.95
24548 DFLM DIESELINE FUEL TUBING (2 FT)	1.50
24562 DG-CABC GAL.CNCENTRT.SAME AS DG-ABC	39.95
24561 DG-CST GAL.CONCENTRATE SAME /DG-STD	39.95
24563 DG-CT GAL.CONCENTRATE SAME AS DG-T	39.95
24560 DQ-ABC QT.CONCENTRATE ABC, AAC, &.90S	13.95
24559 DQ-STD QT.CONCENTRATE, 15-.40 PLBRG	13.95
24554 DVB-15 CYL.DEVARNISHING BRUSH.15-25	4.50
24555 DVB-40CYL.DEVARNISHING BRUSH.28-50G	5.00
24553 DVB-5CYL.DEVARNISHING BRUSH.049-10G	4.00
24556 DVB-60CYL.DEVARNSHNG BRUSH.60-1.08G	5.50
24495 E-19K ENYA .19X / .21X	35.95
24510 E-40K ENYA, 40X, CS	45.95
24520 E-45X ENYA .45X, CS, H	46.95
24523 E60K ENYA .60X, H	49.95
24491 F-15K FOX.15 8.8.WITH HEAD GASKET	32.95
24494 F-19K FOX .19 B.B. W/HEAD GASKET	35.95
24521 F-45K FOX.45 8.8(BIG CASE)W/HD GSKT	46.95
24524 F-60K FOX EAGLE II, III W/HD GASKET	49.95
24549 FCA-15 FOX.15 SCH.PERRY CARB.ADPTER	8.50
24552 FCB-2 FINE FILE CLEANING BRUSH	3.95
24544 FTR-8K TEFLON REED & B/PLT GASK.SET	2.95
24493 G-15K CANNON .15(ORDER 2 FOR TWIN)	35.95
24545 HDC-5 HVY DUTY C/SHAFT .049 REED EN	12.95
24529 HP-61K H.P.GOLD-CUP(ORDER 2FOR TWIN	49.95
24492 K-15K K&B/COX CONQUEST .15	35.95
24497 K-21K K&B 3.5 AIRCRAFT, OUTBOARD	35.95
24498 K-21KC K&B 3.5 HELO, CAR	39.95
24519 K-46SF O.S. .46SF	46.95
24515 KB-6.5K COMO .40, 51 RING, ABC	44.95
24516 KB-7.5K K&B 7.5 AIRCRAFT, FAN, O.B.	44.95
24538 M-1.08K O.S. MAX 1.08 FSR	62.95
24489 M-10K O.S. MAX .10 FSR	30.95
24496 M-20K O.S. MAX .20 FP	39.95
24501 M-25K O.S..25 FSR, FP, SHUTTLE	39.95
24502 M-25KA O.S.MAGNUM, 25FSR, ABC, SHUTTLE	39.95
24504 M-28K O.S., BRAT.28FSR AIR/SHUTTLE	39.95
24506 M-28K5 O.S.MAX 28 SHUTTLER(HELI)	39.95
24505 M-28KC O.S.MAX 28 CRICKET(HELICOPTR	44.95
24509 M-35K O.S. MAX .35 FP	44.95
24512 M-40DF O.S. .40YF, DF / FAN	47.95
24511 M-40K O.S., ROYAL, T.T., 40FSR, ABC, H	44.95
24518 M-45K O.S., ROYAL, T.T., 45FSR, ABC, H	45.95
24522 M-50K O.S. MAX .50 FSR, H	48.95
24525 M-60K O.S.MAX .60/61FSR, VF, ABC, H	49.95
24526 M-61LK O.S.MAX .61 LONG STROKE	52.95
24542 OP-30K OPS MAX 30(ORDER 2 FOR TWIN)	65.95
24551 PCM-5PIST&CYL.MAINT.KIT PRK-5+DVB-5	10.00
24550 PDS-12POCKET DRILL SET W/12DR.50-80	12.95
24517 R-40K ROSSI .40	46.95
24531 R-60K ROSSI .60/.61 ABC, RING	52.95
24533 R-65K ROSSI .65 ABC, RING	52.95
24535 R-90K O.S.MAX .90 FSR	59.95
24536 R-90K ROSSI .91	59.95
24507 S-29K SUPERTIGRE 29X, COMO.29X	42.95
24513 S-40KU ST.40, .45, S/G, BULLRING.40.46	46.95
24543 SS-5 SPRNG STRTR TD.049, O.S.10, ST11	4.95
24490 ST-11K SUPERTIGRE .11X B.B.	30.95
24499 ST-21K SUPERTIGRE .21X	35.95
24500 ST-25K SUPERTIGRE S.21/.25, SHUTTLE	39.95
24530 ST-60K SUPERTIGRE G60 ABC, RING	49.95
24532 ST-61X SUPERTIGRE, COMO S61, X60	52.95
24534 ST-75X SUPERTIGRE, COMO S.75/.90	56.95
24539 ST2000K SUPERTIGRE 2000, 2500	65.95
24541 ST3000K ST 3000 (ORDER 2 FOR TWIN)	65.95
24508 ST35K SUPERTIGRE .35, G21/35	44.95
24547 SX-2 STAX-TWIN EXH.MUF. .020 GLOW	1.50
24540 T-1.34K TARTAN STD (ORDER 2 FOR TWN	65.95
24546 TW-5 CYL.TIMING SHIM, HIGHER PWR GLO	1.00
24528 W-60K WEBRA .61 SPEED, ABC	49.95
24537 W-91K WEBRA .91	59.95

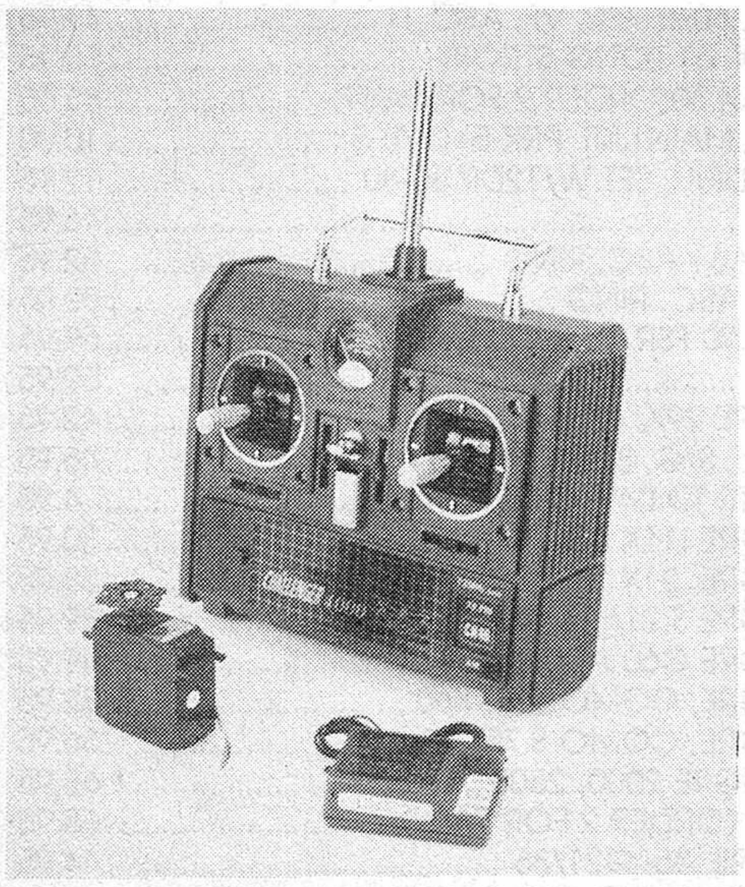
Alliance Rubber Bands



		Retail
16367	1043 RUBBER BANDS #62	1.50
16334	1044 RUBBER BANDS #64	1.50

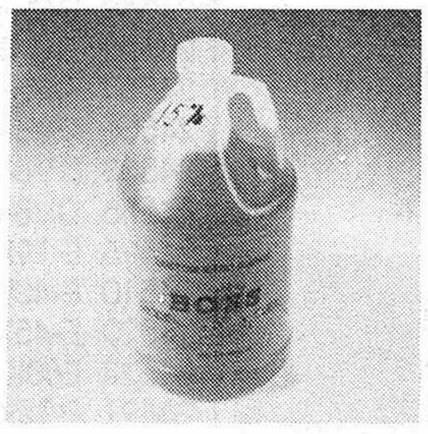
ARISTO-CRAFT Radios

21707	250 2 CH STICK RADIO	57.95
21055	302PX PISTOL GRIP RADIO	77.95



21642	4000 4CH W/2 SERVOS	74.95
23895	4000 BATTERY PACKS	35.00
23275	ARISTO SERVO GEAR SET	2.50
23238	CHALLENGER BATT HOLDER	4.95

B O S S Glow Fuels

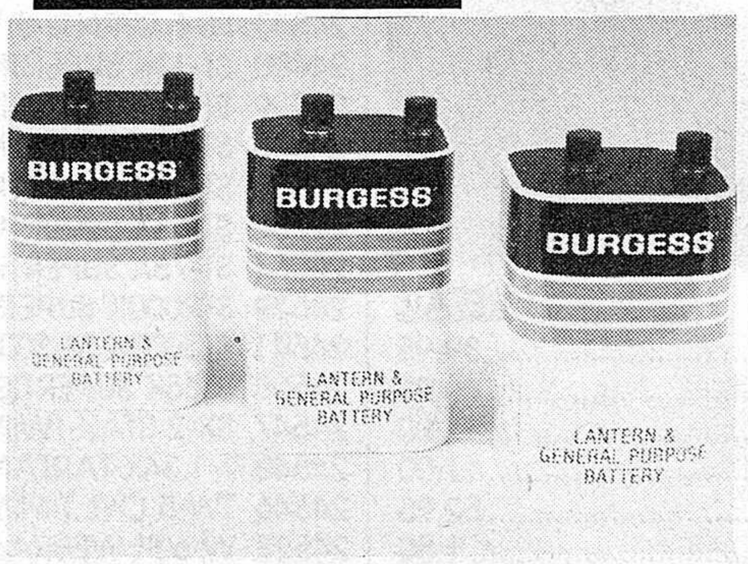


		Retail
14274	5% BOSS FUEL	15.95
21638	10 % BOSS FUEL	19.25
14275	15% BOSS FUEL	21.60

BUFFALO Airbrush

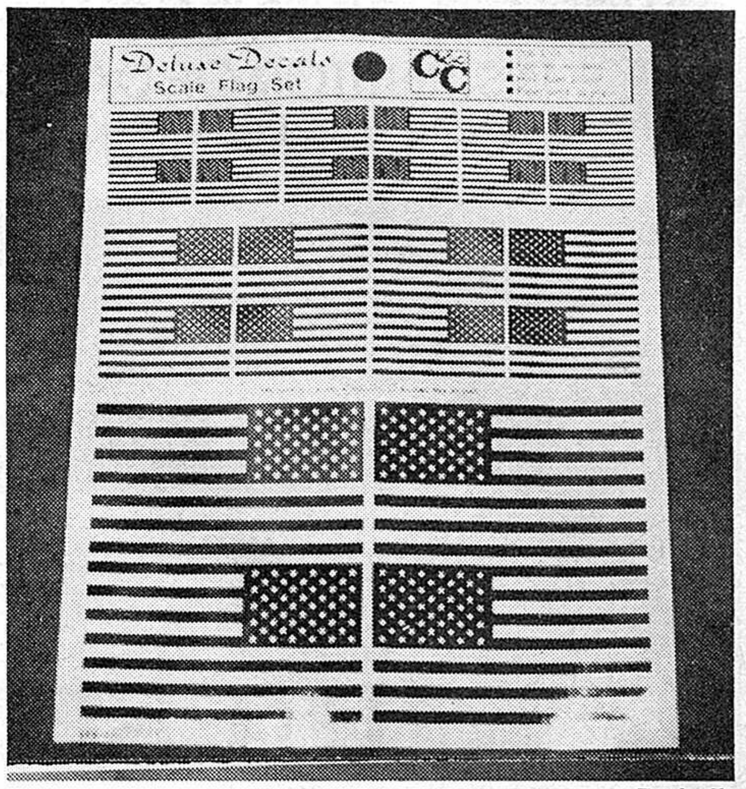
21643	TOUCH UP SPRAY GUN	49.95
21645	AIR BRUSH KIT-1	29.98

BURGESS Batteries



11317	410 1-1/2V BATTERY	4.20

C&C Special Products

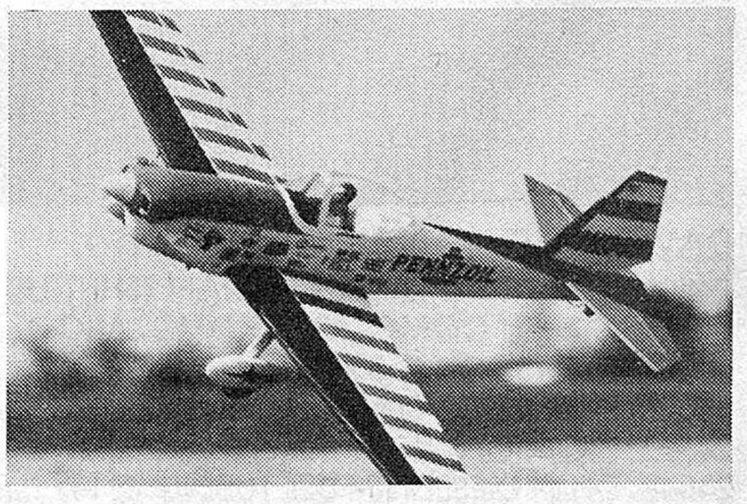


		Retail
21053	FLAG DECALS	3.98

Carl Goldberg

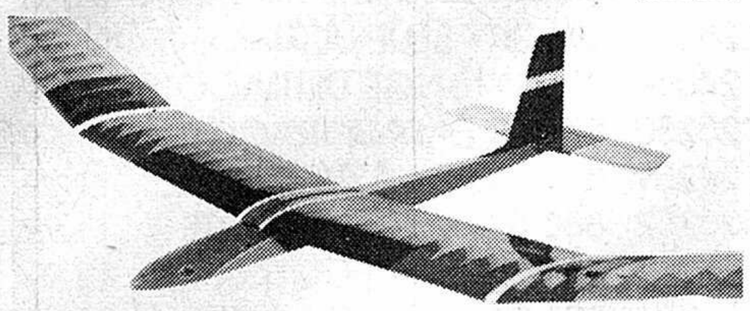
13074	40 ELECTRA DELUXE	69.99

12324	50 FALCON 56 MK II	74.99

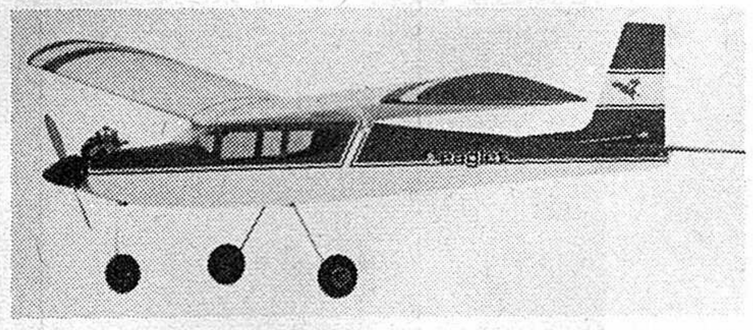


13075	52 SUPER CHIPMUNK	109.99

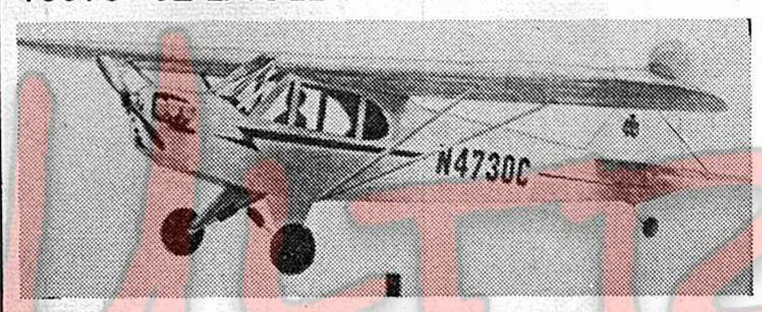
CARL GOLDBERG continued... Retail



16698 60 GENTLE LADY 34.99



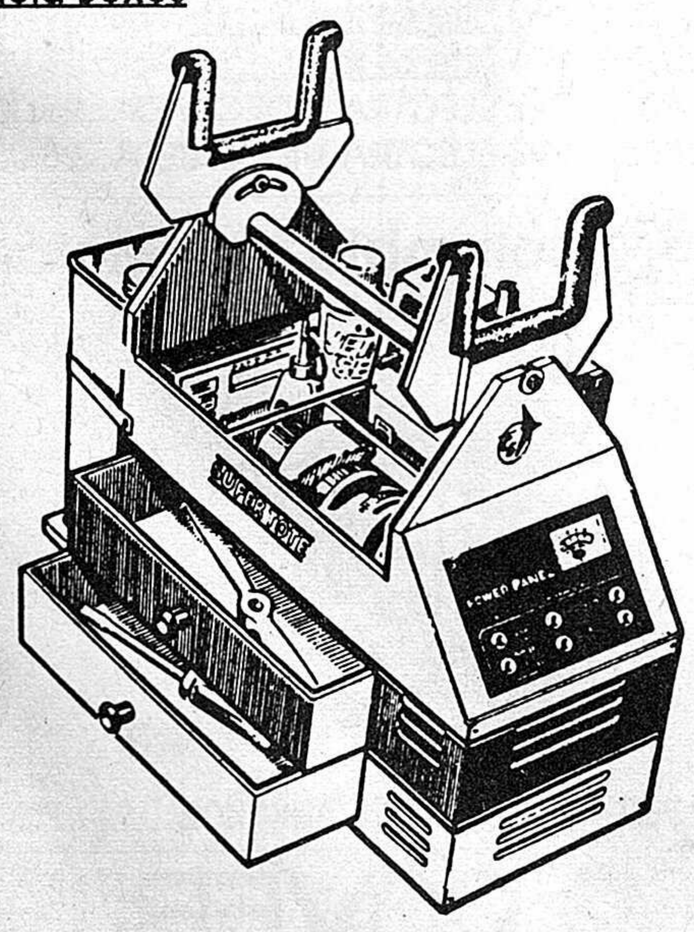
17808 61 EAGLET 50 .....54.99
18693 62 EAGLE 63 .....79.99



13076 63 ANNIVERSARY CUB 92.99

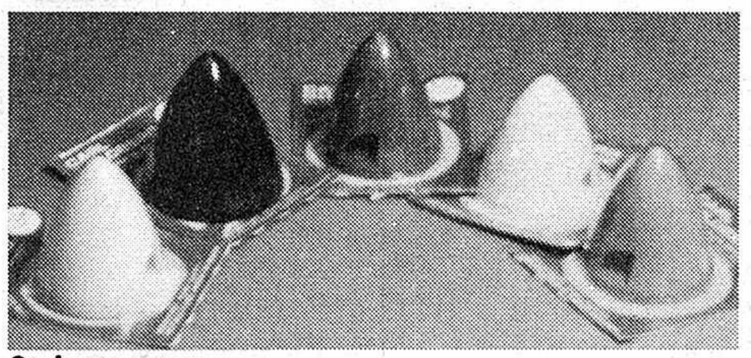
13077 64 SKY TIGER 79.99
13078 65 JUNIOR TIGER 59.99

Field Boxes



14785 102 SUPER TOTE 44.99

CARL GOLDBERG continued... Retail



Spinners

12994 124 1 1/2 WHITE SPINNER 2.29
12995 125 1 1/2 BLACK SPINNER ...2.29
12996 126 1 1/2 RED SPINNER 2.29
12997 127 1 1/2 YELLOW SPINNER .2.29
12998 128 1 1/2 BLUE SPINNER 2.29
12999 131 1 3/4 WHITE SPINNER 2.99
13000 132 1 3/4 BLACK SPINNER ...2.99
13001 133 1 3/4 RED SPINNER 2.99
13002 134 1 3/4 YELLOW SPINNER .2.99
13003 135 1 3/4 BLUE SPINNER 2.99
13004 138 2 WHITE SPINNER 3.59
13005 139 2 BLACK SPINNER 3.59
13006 140 2 RED SPINNER 3.59
13007 141 2 YELLOW SPINNER.....3.59
13008 142 2 BLUE SPINNER.....3.59
13009 145 2 1/4 WHITE SPINNER.....3.99
13010 146 2 1/4 BLACK SPINNER ...3.99
13011 147 2 1/4 RED SPINNER 3.99
13012 148 2 1/4 YELLOW SPINNER .3.99
13013 149 2 1/4 BLUE SPINNER 3.99
13014 152 2 1/2 WHITE SPINNER.....4.19
13015 153 2 1/2 BLACK SPINNER ...4.19
13016 154 2 1/2 RED SPINNER 4.19
13017 155 2 1/2 YELLOW SPINNER .4.19
13018 156 2 1/2 BLUE SPINNER 4.19

Hinges

23996 104 KLETT HINGES 0.69
24001 105 KLETT HINGES 0.69
23994 107 PUSHROD GUIDE 0.69
13071 200 PIN POINT (7) 6 .....1.35
13072 201 IN POINT (15) 6 .....2.50
13073 202 LG KLETT (15) 6 .....3.69
12984 203 SMALL FLEX POINT (6) ...1.40
12985 204 LG FLEX POINT (6) 1.40
12986 205 SMALL KLETT (7) 6 .....1.29
12987 206 SMALL KLETT (15) 6 .....2.29
12988 207 REG. KLETT (7) 6 .....1.45
12989 208 REG. KLETT (15) 6 .....2.75

Landing Gear & Accesories

25192 250 NOSE GEAR RETRACT .19.99
25193 251 TWIN GEAR RETRACT ..24.99
25194 252 TRI GEAR RETRACT 39.99
25195 255 .20 GEAR 9.99
25196 256 .40 - .60 GEAR.....14.99
25197 257 1/4 SCALE GEAR 19.99
25198 260 3/32 STEERABLE NOSE ...2.99
25199 261 1/8 STEERABLE NOSE 3.49

CARL GOLDBERG continued... Retail

25200 262 5/32 STEERABLE NOSE ...3.49
24002 144 ADJUSTABLE AXLE 1.19

Misc. Accessories

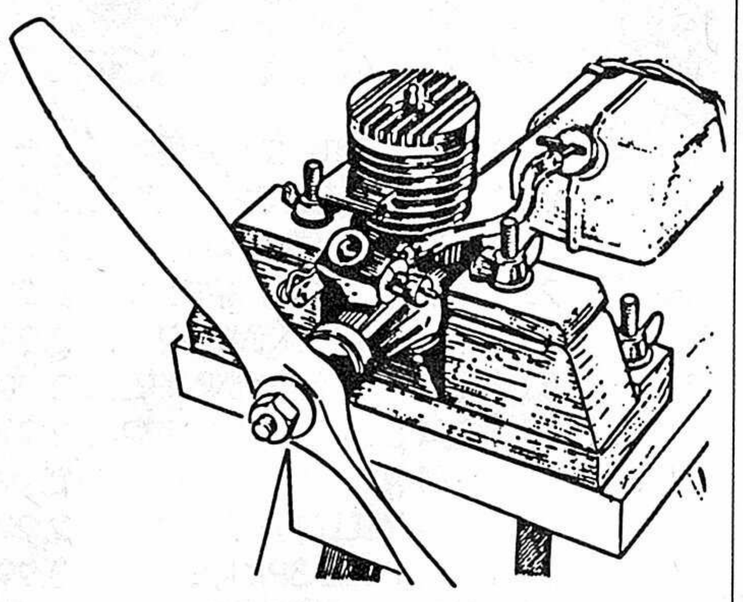
23988 264 NYLON TAPE 0.45
23987 265 NYLON TAPE 0.99
23986 266 4 NYLON 1.49
25201 272 5/32 NOSE GR ADJT 2.49
23997 275 90° MNTG BRACKET 0.79
25202 276 1/8I NOSEGEAR BRG 1.49
25203 277 5/32 NOSE GEAR BRG ..1.39
25204 280 1/8 STEERING ARM 0.99
25205 281 5/32 STEERING ARM 0.99
25206 286 1/8 LNDG GR CLAMPS .0.69
25207 287 5/32 LNDG GR CLMPS ..0.69
25208 290 3/8 LNDG GR STRAPS....0.69
23985 290 SCUFF GUARD 0.79
25209 291 1/2 LNDG GR STRAPS....0.69
25210 298 CUB FLOATS 39.99
13023 300 ADJUSTABLE AXLE 1.19
25211 302 5/32 AXLE/NUT.....2.59
25212 303 1/8 AXLE W/NUT 2.59
25406 304 5/32 LONG AXL W/NUT 3.49
23992 305 #6 T BOLTS & NUTS 0.59
25407 305 3/16 AXLE W/NUT 3.49
23990 306 LONG T BOLTS 0.89
25258 310 SNAP LINKS 0.39
25259 311 MINI SNAP LINKS.....0.39
25260 320 MINI SNAP VALVE PK 0.99
25261 321 SNAP LINK VALVE PK.....0.99
25262 330 SNAP LINK/ROD BGD 1.39
25263 331 MINI SNAP/ROD BGD ...1.39
25264 340 SNAP LINK/ROD TUBED .0.29
25265 341 MINI SNAP/ROD TUBED .0.29
25266 350 LINK RODS 0.89
25267 351 TRUE 1/16 PUSHRODS....0.99
25268 359 1/16 THRD COUPLER 0.59
13052 360 P-ROD CONN. (2)(6) 0.99
13053 361 SNAP KEEPER (4) 12.....0.69
25269 362 SNAP NUTS 0.49
21996 363 AILERON COUPLER 0.99
21991 370 LG P-ROD EXIT GUIDE ...0.69
21992 371 SM P-ROD EXIT GUIDE ...0.69
21993 372 LG HD P-RD EXIT GUIDE 0.69
21994 373 SM HD P-RD EXIT GUIDE 0.69
21995 374 AIL. P-ROD EXIT GUIDE ..0.69
25276 401 1/16 STRIP AIL. HRN SET .1.49
25277 402 3/32 STRIP AIL. HRN SET .1.59
25278 403 1/8 STRIP AIL. HRN SET ...2.49
25279 411 3/32 ADJ. HORN BRKT ...0.89
25280 412 1/8 ADJ. HORN BRKT 0.89
25281 420 AIL. BELLCRRANKS.....0.79
25282 421 AIL./ELVTR HRN BRG 0.69
25342 430 1/2A FLYING HDL/LINES 1.59
25343 431 1/2 A FLYING LINES 0.79
25344 432 1/2A BLCRNK & HRN 0.59
5285 440 LG CONTROL HRN 0.49
25286 441 SHRT CONTROL HRN 0.49

CARL GOLDBERG continued... Retail

21997 450 3/4 NYLON TAPE 0.79
21998 451 2-1/2 NYLON TAPE 0.99
21999 452 4 NYLON TAPE 1.49
22000 453 6 NYLON TAPE 1.99
13031 460 TAILWHEEL BRKT (12) 0.59
13032 461 WING SKIDS (3) (12) 0.79
22028 462 90° MOUNTING BRKT 0.79
22029 463 FLAT HOLD DOWN 0.99
22030 464 ANGLE HOLD DOWN 0.99
25294 479 SCUFF GUARD 0.99
13064 481 1/4 R/C FOAM RUBBER .1.79
13065 482 1/2 R/C FOAM RUBBER .2.49
25296 491 3/32 WHEEL COLLARS ...0.99
25297 492 1/8 WHEEL COLLARS 0.99
25298 493 5/32 WHEEL COLLARS ...0.99
25299 494 3/16 WHEEL COLLARS ...0.99
25300 501 4-40X1/8 SKT HD SCW ...0.69
25301 502 4-40X1/4 SKT HD SCW ...0.69
25302 503 4-40X3/8 SKT HD SCW ...0.69
25303 504 4-40X1/2 SKT HD SCW ...0.69
25304 505 4-40X3/4 SKT HD SCW ...0.69
25305 506 4-40X1 SKT HD SCW 0.69
25306 507 4-40X1.25 SKT HD SCW ..0.89
25307 508 4-40X1.5 SKT HD SCW 0.89
25308 511 6-32X1/8 SKT HD SCW ...0.99
25309 512 6-32X1/4 SKT HD SCW ...0.69
25310 514 6-32X1/2 SKT HD SCW ...0.69
25311 515 6-32X3/4 SKT HD SCW ...0.69
25312 516 6-32X1 SKT HD SCW 0.69
25313 517 6-32X1.25 SKT HD SCW ..0.89
25314 518 6-32X1.5 SKT HD SCW 0.89
25315 524 8-32X1/2 SKT HD SCW ...0.69
25316 525 8-32X3/4 SKT HD SCW ...0.69
25317 526 8-32X1 SKT HD SCW 0.69
25319 526 8-32X1-1/2 SKT HD SCW 0.99
25318 527 8-32X1-1/4 SKT HD SCW 0.79
25320 542 2-56X.25 PN HD M SW ...0.59
25321 544 2-56X.5 PN HD M SCW ..0.59
25322 545 2-56X.75 PN HD M SW ...0.69
25323 546 2-56X1 PN HD M SCW ...0.69
25324 563 #2X3/8 SHT MTL SCRW ..0.49
25325 564 @3X.5 SHT MTL SCRW 0.49
25326 567 #4X3/8 SHT MTL SCRW ..0.49
25327 568 #4X.5 SHT MTL SCRW 0.49
25328 571 #4-40 BLIND NUTS 0.49
25329 572 #6-32 BLIND NUTS 0.49
25330 573 #8-32 BLIND NUTS 0.49
25332 579 1-1/4 J-BOLTS & NUTS 1.49
25333 585 1/4-20X2 NYLON BOLTS 0.99
25334 588 1/4-20X3 NYLON BOLTS 0.99
25295 590 1/16 WHEEL COLLARS ...0.99
13066 600 HINGE SLOTTING KIT (1) 3.49
25335 601 REG. SLOT FORK BLADE 0.59
25336 602 SM SLOT FORK BLADE ...0.59
25337 603 SLOTTING HOOK BLADE 0.59

CARL GOLDBERG continued... Retail

25338 606 CENTERING GUIDE 1.29
25339 607 CENTER LINE MARKER ...0.59
25340 610 LARGE SAFETY DRIVER ..1.45
25341 611 SMALL SAFETY DRIVER ..1.45



12979 620 ENGINE TEST STAND 9.99
25284 675 TURBO 550MTR/SWTH ..24.99
25404 676 PROP MT FOR ELECTRA 2.99
25405 677 20 AMP MOTOR FUSE ...1.99
10087 678 POWER POD UNIT.....23.99

Covering

25213 800 1/18 YEL COLORSTRIPE .2.59
25214 801 1/18 RD COLORSTRIPE ..2.59
25215 802 1/16 W COLORSTRIPE ...2.59
25216 803 1/16 BLK COLORSTRIPE .2.59
25217 804 1/16 GLD COLRSTRIPE ..2.59
25218 805 1/16 BLUE COLRSTRIPE ..2.59
25219 810 3/32 YLW COLRSTRIPE ...3.19
25220 811 3/32 RED COLRSTRIPE ...3.19
25221 812 3/32 WH COLRSTRIPE 3.19
25222 813 3/32 BLK COLRSTRIPE 3.19
25223 814 3/32 GLD COLRSTRIPE ..3.19
25224 815 3/32 BLUE COLRSTRIPE ..3.19
25225 820 1/8 YLW COLORSTRIPE .3.59
25226 821 1/8 RED COLORSTRIPE ..3.59
25227 822 1/8 WH COLORSTRIPE ...3.59
25228 823 1/8 BLK COLORSTRIPE ...3.59
25229 824 1/8 GLD COLRSTRIPE 3.59
25230 825 1/8 BLUE COLRSTRIPE 3.59
25231 830 1/4 YLW COLORSTRIPE .4.29
25232 831 1/4 RED COLORSTRIPE ..4.29
25233 832 1/4 WH COLORSTRIPE ...4.29
25234 833 1/4 BLK COLORSTRIPE ...4.29
25235 834 1/4 GLD COLRSTRIPE 4.29
25283 835 1/4 BLUE COLRSTRIPE 4.29
25236 860 WHITE COLORTEX 12.99
25240 864 ORANGE COLORTEX ..12.99
25241 865 ANTIQUE COLORTEX ...12.99
25242 870 WHITE ULTRACOTE.....11.99
25243 871 RED ULTRACOTE 11.99
25244 872 YELLOW ULTRACOTE ...11.99
24063 873 D. BLUE ULTRACOTE 11.99
24260 874 BLACK ULTRACOTE 11.99
24065 876 COCOA ULTRACOTE ..11.99

CARL GOLDBERG continued... Retail

25247 876 SKY BLUE ULTRACOTE ..11.99
24064 877 ORANGE ULTRACOTE .11.99
25250 878 CREAM ULTRACOTE 11.99
24259 879 GOLD ULTRACOTE 11.99
25252 880 GREEN ULTRACOTE 11.99
25237 881 CUB YLW COLORTEX ..12.99
24066 881 SILVER ULTRACOTE 11.99
25238 882 M. BLUE COLORTEX 12.99
25239 883 RED COLORTEX 12.99

Jet Adhesives

15861 762 1/2 OZ. INSTANT JET 2.99
18430 763 1 OZ. INSTANT JET 4.99
14784 764 2 OZ. INSTANT JET 9.99
16484 767 1/2 OZ. SUPER JET 2.99
17554 769 2 OZ. SUPER JET 9.99
15003 776 3 OZ. JET SET 3.99
15201 781 1 OZ. JET DE SOLV 2.99
10047 782 PLASTIC JET 2.99
10048 783 GEL JET 2.99
10046 789 JET PAK (TIPS & CAPS) ..2.99

Video Tapes

25254 890 Flite of the Eagle VHS .39.95
25255 991 Flite of the Eagle Beta 39.95
25256 992 ELECTRA VIDEO VHS ...25.00
25257 993 ELECTRA VIDEO BETA ..25.00

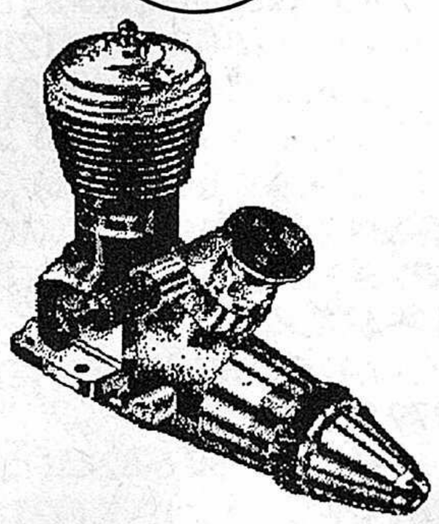
Columbia Modelcraft

21052 BUBBLE FREE TRIM 402 .....7.00

COVERITE

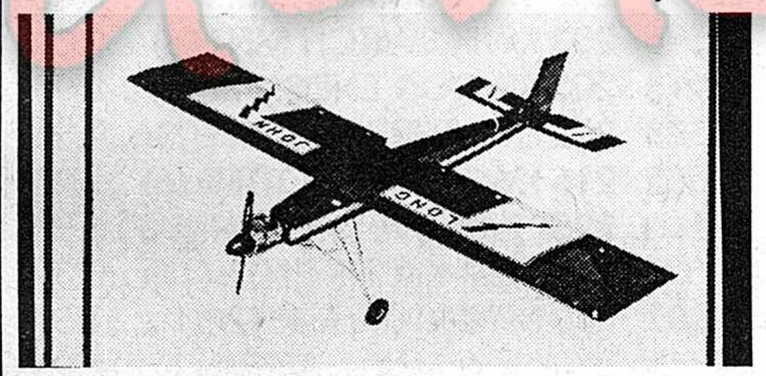
12401 6000 BALSARITE FILLER .5 PT .3.80
15712 6201 BALSARITE FILLER PINT .6.95

COX Engines



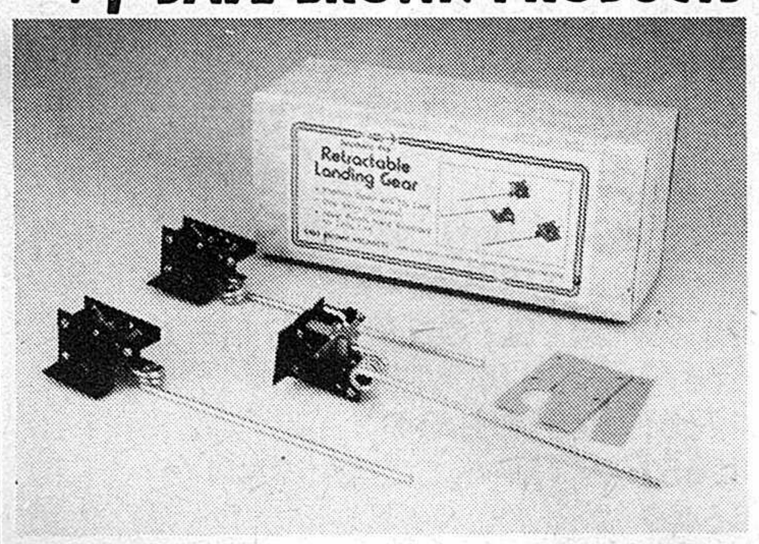
		Retail
12408	100 PEE WEE 020 ENGINE	19.45
12409	100-1 PEEWEE 020 w/TRTL	20.65
12413	150 BLACK WIDOW 049	22.90
12414	160 TEE DEE 020	36.45
12415	170 TEE DEE 049	37.55
12416	200 TEE DEE 051	37.55
16193	R/C BEE .049	21.95

Curtis Model Aircraft



21706 LONG JOHN 99.90

DAVE BROWN PRODUCTS



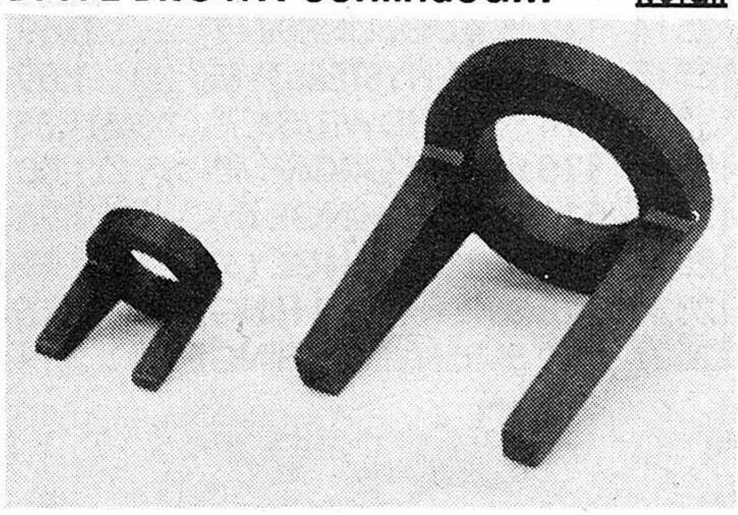
Nose Gear

12482	TRI GEAR SET	85.95
12483	MAIN GEAR SET	55.95
12484	NOSE GEAR	32.95
20956	TRI GEAR STRUTS	4.50
18511	REPLACEMENT BEARINGS	2.25

Motor Mounts

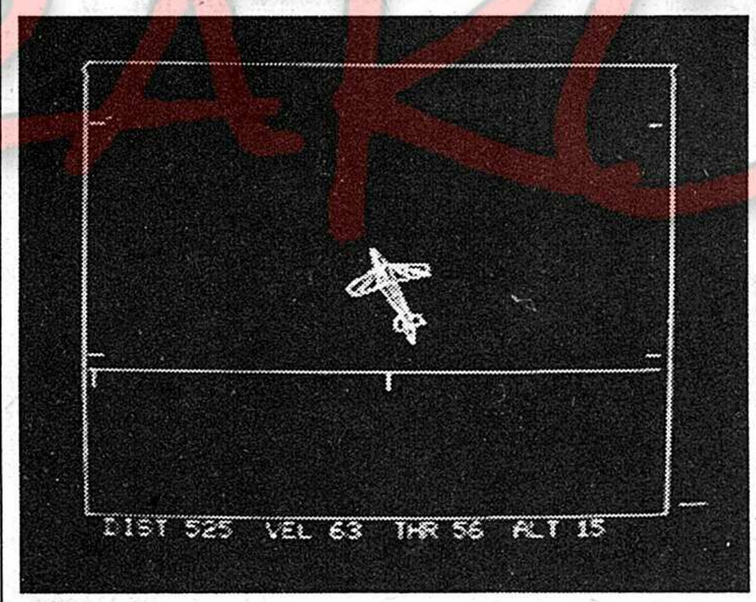
16826	0405 MTR MNT 049-051	1.95
16827	1011 MTR MNT OS 10	2.25
21910	1204 MTR MNT 120FS	5.50

DAVE BROWN continued...



		Retail
16828	1519 MTR MNT OS15 ST15-23	2.35
16829	2025 MTR MNT OS 20-25-FSR	2.45
21907	2025L MTR MNT (20FS)	2.75
16830	3035 MTR MNT OS30-35 ST35	2.65
16831	4045 MTR MNT OS40-45FSR ST40-46	2.75
17596	4045L MTR MNT	3.00
16832	5060 MTR MNT ST51-60 - OS60FGP	3.25

R/C Computer Simulatons



Apple

20283	AIRPLANE COMBO	139.95
20319	AIRPLANE PROGRAM	49.95
20890	HELICOPTER COMBO	139.95
20891	HELICOPTER PROGRAM	49.95
20320	DUAL JOYSTICK UNIT	99.95

Commodore

21088	AIRPLANE COMBO	139.95
21089	AIRPLANE PROGRAM	49.95
21092	HELICOPTER PROGRAM	49.95
21091	HELICOPTER COMBO	139.95
21090	DUAL JOYSTICK UNIT	99.95

IBM

21739	AIRPLANE COMBO	152.95
21740	AIRPLANE PROGRAM	53.95
21742	HELICOPTER COMBO	152.95
21743	HELICOPTER PROGRAM	53.95
21741	DUAL JOYSTICK	109.95

Tandy

21904	AIRPLANE COMBO	139.95

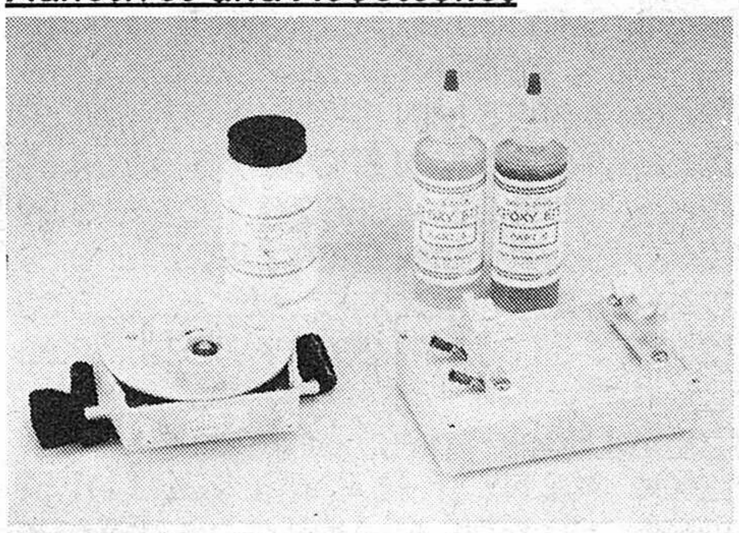
DAVE BROWN continued...

		Retail
24463	AIRPLANE PROGRAM	53.95
24464	HELICOPTER COMBO	152.95
21905	HELICOPTER	139.95
21906	DUAL JOYSTICK	109.95

Lite-Flite Wheels

21655	WH15-5515 1-1/2	3.25
21589	WHI7-5517 1-3/4	3.50
21590	WH20-5520 2	3.75
21591	WH22-5522 2-1/4	4.00
21592	WH25-5525 2-1/2	4.25
21593	WH27-5527 2-3/4	4.50
21594	WH30-5530 3	4.75
21595	WH32-5532 3-1/4	5.00
21596	WH35-5535 3-1/2	5.25
21657	WH40-5540 4	8.95
21658	WH45-5545 4-1/2	10.95
21659	WH50-5550 5	12.95
21660	WH55-5555 5-1/2	14.95
21661	WH60-5560 6	16.95

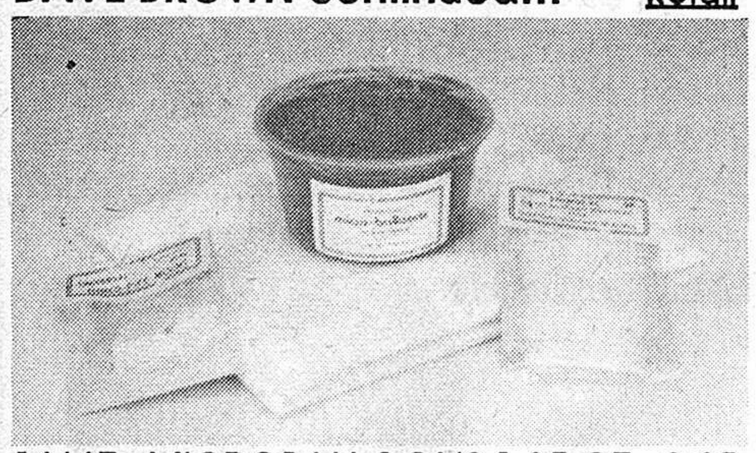
Adhesives and Accessories



12485	SIX SHOOTER	11.95
16616	SIX SHOOTER GASOLINE	11.95
17936	6-SHTR RPLCMT HOSE GAS	2.95
17935	6-SHTR RPLCMT HOSE REG.	2.95
17343	CRDLS STRTR PACK W/BAT.	69.95
17344	CRDLS STRTR PACK ONLY	9.95
17345	STARTER PACK CHARGER	9.95
12486	SORGHUM 7 OZ	3.25
18834	FAST MATIC EPOXY KIT	9.95
16747	MIX A MATIC EPOXY 10 OZ	8.95
17809	FIBERGLASS PUSHRODS	5.95
12487	FLEX ALL 4 OZ	2.95

DAVE BROWN continued...

		Retail



16667	MICROBALLOONS 1.25 OZ	2.95
18509	PUSHROD END FITTINGS	0.98
16666	SKYLOFT 3 YD.	3.25
17810	CARBON FIBRE TAPE	4.95
18510	TRIMSEAL	0.98
17458	UNVRSL TUNED PIPE MT	2.95

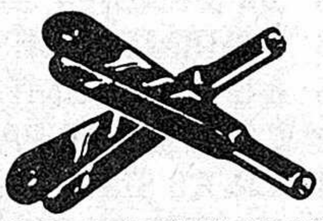
DU-BRO Model Products

Devcon Adhesives

12498	S-180 30 SEC CONTACT CEMENT	1.69
12492	S-205 5 MIN EPOXY 1 OZ	2.69
12493	S-206 5 MIN EPOXY 2.5 OZ	4.69
12495	S-208 DEV-TUBE 2/1 1 OZ	2.99
12496	S-209 5 MIN EPOXY 9 OZ	10.69
12499	S-250 SILICONE	0.00
12497	S-33 30 MIN EPOXY 9 OZ	9.88

Control Hook-Up Accessories

12504	102 NY STEEL CNTRL ROD (1)	1.59
12505	103 STRIP AIL HRN CON.(12)	0.90
12506	104 STRP AIL BRGS 2WIRE(6)	1.00



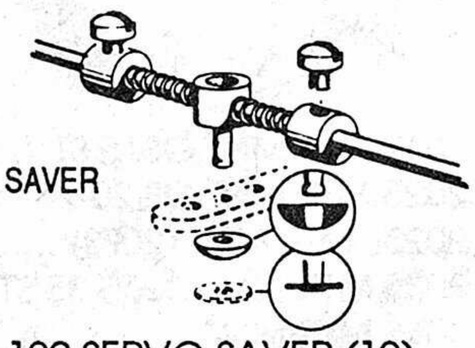
SPRING STEEL KWIK-LINK CLEVISES

12507	105 LG NYLON HRN 1L/R (6)	0.49
12508	106 KWIK LINK (12)	0.55
12509	107 1/2A CONTRL HRN (12)	0.49
12510	108 KWIK LINK 12 (12)	0.55
12511	109 KWIK LINK CLEVIS (12)	0.75
12513	111 THRD. COUPLERS (12)	0.55

DU-BRO continued...

		Retail

12514	112 SOLDER LINKS (12)	0.69
12515	113 MINI-NYSTEEL P-RD (1)	1.59
12516	114 MTG HDWR/5SERVOS(6)	1.35
12517	115 20 RBR GROMMETS (12)	1.00
12518	116 NYLON HINGE (6)	1.25
12519	117 NYLON HINGE (3)	2.69
12520	118 SML NYLON HINGE (6)	1.15
12521	119 SML NYLON HINGE (3)	2.15



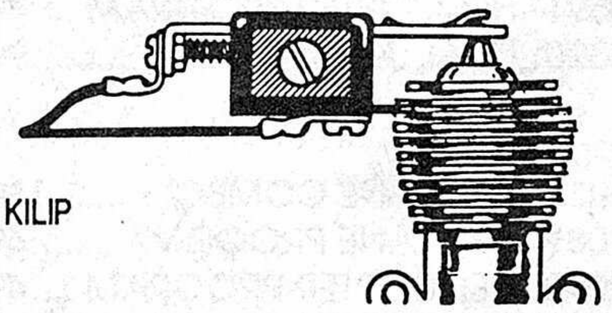
SERVO SAVER

12522	120 SERVO SAVER (12)	1.10
12523	121 E-Z CONNECTOR (12)	0.98
12524	122 NYL. KWIK LINK STD (12)	0.39

Mounting Bolts (M/B), Nuts (N) & Other

SOCKET HEAD BOLT W/ LOCK NUT

12527	125 2/56X1/2 M/B & N (12)	0.60
12528	126 3/48X3/4 M/B & N (12)	0.60
12530	128 6-32X1-1/4 M/B & N(12)	0.65
12531	129 4-40X1SOC HD BLT/N (6)	1.25
12532	130 6-32X1SOC HD BLT/N (6)	1.25
12533	131 2-6 WRENCHES (1)	1.25
12537	135 4-40 BLIND NUTS (12)	0.45
12538	136 6-32 BLIND NUTS (12)	0.49
12539	137 1/16 DURA COLLRS (12)	0.89
12540	138 3/32 DURA COLLRS (12)	0.89
12541	139 1/8 DURA COLLARS	0.89
12542	140 5/32 DURA COLLRS (12)	0.89
12543	141 3/16 DURA COLLRS (12)	0.89
16825	142 1/4 X 20 NYL. BLTS (6)	1.00
17995	144 12 THRD RODS 4-40 (24)	0.25
18001	145 30 THRD RODS 4-40 (24)	0.50



KIWK KILIP

12549	147 KWIK-GLO ENG. CD (6)	2.50
12553	151 KWIK KLIP W/CORD (6)	1.55
12554	152 NOSE GEAR (1)	3.25
12555	153 NOSE GEAR (1)	3.25
12556	154 UNI. NOSE GEAR 5/32	1.00
12557	155 LG STR ARM W/CON.(6)	1.40
12560	158 GEAR STRAPS 4 (12)	0.50
12561	159 WING BLT SET NYL. 2 (6)	1.40
12562	160 PROP BALANCER (6)	3.25
12563	161 TANK FILTER (6)	1.30
12564	162 FINAL FILTER (6)	1.95
12565	163 FOAM TAPE (6)	0.98

DU-BRO continued...

		Retail

12566	164 4 RPLMT NYL. W/BLT(12)	1.00
12567	165 FLX CBL20 MTR CNTRL(1)	1.59
12568	166 LG STEERING ARM (12)	0.90
12569	167 90° BELLCRANKS 2 (12)	0.75
12572	170 LOCK NUTS 4-40 (12)	1.25
12573	171 LOCK NUTS 6-32 (12)	1.25
12574	172 12 THRD RODS (36)	0.20
12575	173 30 THRD RODS (36)	0.40
12578	176 BLT ST 2/LK N 4-40X1(12)	0.60
12579	177 BLT ST W/LK N 6-32X1(12)	0.60
12580	178 SOCKET HEAD BOLT W/LOC NT 4-40X1(12)	1.25
12581	179 SCKT HD BLT W/LOC NT 6-32X1(12)	1.25
12583	181 THRD BALL LINK (12)	0.95
12585	183 AIL CON./DL TAKEOFF	1.10
12586	184 5-12 RD w/NYL KKLNK	1.59
12587	185 5-12 RD w/KWKLNK (1)	2.50
12590	188 BALL LINK SOCKETS (12)	1.10
12591	189 AIL. HRN WRE BL LK(12)	1.95
12592	190 080 THRD BALL LINK (12)	0.95
12593	191 FUEL PUMP (1)	11.95
12594	192 FUELCAN CAP FTGS (6)	1.95
18000	201 BRASS RIG CPLRS (12)	1.35
17999	202 STEEL STRAPS	1.00
12595	203 KWIK SWITCH MNT (6)	2.00
17998	205 STL ROD ENDS 4-40(1)	5.95
12598	212 LRG THRD COUPLERS	1.50
12602	216 KWK-HNG SLOTTER (6)	2.25
12640	225T 2.25 DIA WHLS THRDS	3.50
12605	228 MINI-KKLINK 2NYL.(12)	0.39
12607	230 MINI-KWIKLINK 12(1)	1.59
20366	235 NEW MUF-L-AIRE II (1)	9.95
20367	236 MINI MUFLAIRE 09-25(1)	6.95
15246	237 NYL. T-CNTRL HRN (6)	0.49
15247	238 1/8 NYL. LDG GR ST(12)	0.59
15248	239 5/32 NYL LDG STRP(12)	0.59

BOLT ON PRESSURE FITTING

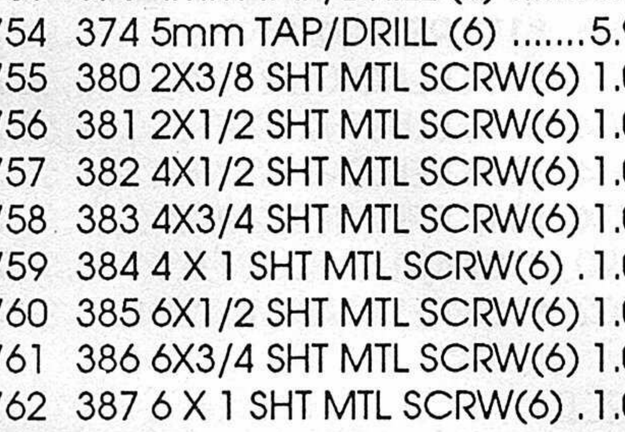
1/4 TURN LATCH

16369	241 BLT ON PRESUR FTG (12)	0.85
16370	242 1/4 TURN LATCH (6)	2.75
17651	243 WHL COLLARS 7/32 (6)	1.10
17652	244 WHL COLLARS 1/4 (6)	1.10
16499	246 AXL SHFT 1-1/4X1/8 (6)	2.25
16500	247 AXL SHFT 1-1/4X5/32 (6)	2.25
16501	248 AXLE SHAFT 2 X 5/32 (6)	2.25
16502	249 AXLE SHAFT 2 X 3/16 (6)	2.25
16700	251 4-WAY WRENCH (1)	3.25
16701	252 100 STAINLS T-PINS 1 (6)	1.75
16702	253 100 STNLS T-PINS 1.25(6)	2.00
16703	254 100 STNLS T-PINS 1.5(3)	3.00
16928	255 SUPR SMOKER VLVE (1)	8.50
16929	256 H-DTY WING MNT KIT(6)	1.75
17663	257 H-DUTY HINGES (3)	3.95
18380	258 1/4 SCALE PILOT (1)	16.95

DU-BRO continued...

		Retail
17875	259 HD THD BALL-LNK 4-40	1.50
0368	300 1/4 SCL TURNBKLE (6)	6.95
19262	304 4-40 KWIK LINK (6)	1.00
20369	305 4-40 SOLDER LINKS (6)	1.00
20474	306 4-40 KWIK LINK/ROD (12)	0.75

20370	332 N32 BG WHL TIRE PMP	3.95
20473	334 KWIK FILL VLVE GLO	11.95
20472	335 KWIK FILL VLVE GAS	12.95
20542	337 KWIK KLIP 2 (3)	5.95
21174	340 IN-LINE FUEL FILTER (6)	1.75
21288	342 90° WHEEL SPCR (3)	0.49
21172	343 36 FLEX CABLE ASY (1)	2.00
21173	344 48 FLEX CABLE ASY (1)	2.50
12407	345 THROW AWAY BRUSHES	1.00
21341	347 8-32 BLIND NUTS (6)	0.79
23264	355 HELI. SURE START	19.95
23263	356 SURE START INSERT	6.95
21647	365 FIELD BOX	69.95
21734	370 2mm TAP/DRILL(6)	5.95
21751	371 2.5mm TAP/DRILL (6)	5.95
21752	372 3mm TAP/DRILL (6)	5.95
21753	373 4mm TAP/DRILL (6)	5.95
21754	374 5mm TAP/DRILL (6)	5.95
21755	380 2X3/8 SHT MTL SCRW(6)	1.00
21756	381 2X1/2 SHT MTL SCRW(6)	1.00
21757	382 4X1/2 SHT MTL SCRW(6)	1.00
21758	383 4X3/4 SHT MTL SCRW(6)	1.00
21759	384 4 X 1 SHT MTL SCRW(6)	1.00
21760	385 6X1/2 SHT MTL SCRW(6)	1.00
21761	386 6X3/4 SHT MTL SCRW(6)	1.00
21762	387 6 X 1 SHT MTL SCRW(6)	1.00
21763	388 8X1/2 SHT MTL SCRW(6)	1.00
21764	389 8X3/4 SHT MTL SCRW(6)	1.00
21765	390 8 X 1 SHT MTL SCRW(6)	1.00
21766	391 4-40 THRD INSERTS (6)	1.25
21767	392 6-32 THRD INSERT (6)	1.25
21768	393 8-32 THRD INSERT (6)	1.25
21769	394 10-32 THRD INSERT (6)	1.75
21770	395 1/4-20 THRD INSERT (6)	2.25



Fuel Tanks

20132	402 2 OZ FUEL TANK	2.15
20133	404 4 OZ FUEL TANK	2.35
20134	406 6 OZ FUEL TANK	2.45
20135	408 8 OZ FUEL TANK	2.55

DU-BRO continued...

		Retail
20136	410 10 OZ FUEL TANK	2.65
20137	412 12 OZ FUEL TANK	2.80
20138	414 14 OZ FUEL TANK	3.00
20139	416 16 OZ FUEL TANK	3.25
21171	420 FUEL TANK 20 OZ	3.50
20953	424 24 OZ FUEL TANK	3.75
20954	400 GAS CNVRSN STPER (6)	1.00

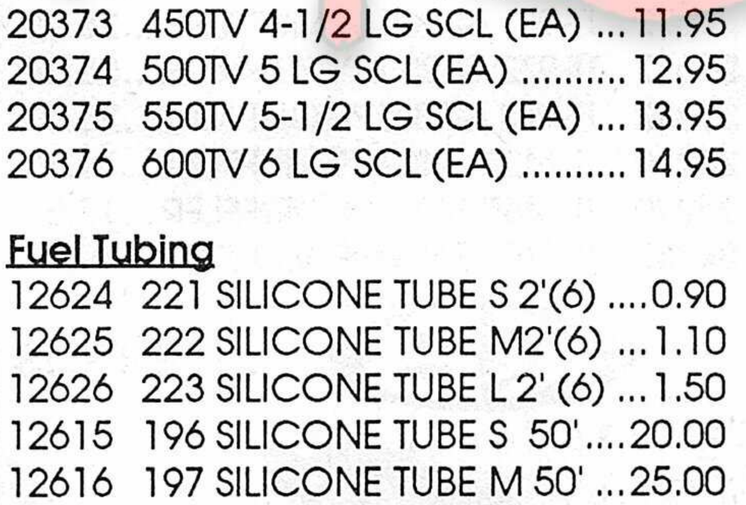
Wheels

12638	175T 1 3/4 DIA WHEELS	3.00
12639	200T 2 DIA WHEELS	3.25
12641	250T 2.5 DIA WHEELS	3.75
12642	275T 2.75 DIA WHEELS	4.00
12643	300T 3 DIA WHEELS	4.25
12644	325T 3.25 DIA WHLS	4.50
12645	350T 3.5 DIA WHLS	4.75
12650	400RV4 DIA INFLATABLE	10.95
12651	450RV 4.5 DIA INFLATABLE	12.95
12652	500RV 5 DIA INFLATABLE	15.95
12653	550RV 5.5 DIA INFLATABLE	17.95
12654	600RV 6 DIA INFLATABLE	19.95
20278	425TC J-3 CUB WHEELS	24.95
21517	338TC J3 CUB WHEELS	19.95
21518	558TC J3 CUB WHEELS	26.95
20371	375TV 3.75 LG SCL (EA)	9.95
20372	400TV 4 LG SCL (EA)	10.95
20373	450TV 4-1/2 LG SCL (EA)	11.95
20374	500TV 5 LG SCL (EA)	12.95
20375	550TV 5-1/2 LG SCL (EA)	13.95
20376	600TV 6 LG SCL (EA)	14.95

Fuel Tubing

12624	221 SILICONE TUBE S 2'(6)	0.90
12625	222 SILICONE TUBE M2'(6)	1.10
12626	223 SILICONE TUBE L 2' (6)	1.50
12615	196 SILICONE TUBE S 50'	20.00
12616	197 SILICONE TUBE M 50'	25.00
12617	204 SILICONE TUBE L 50'	22.50
12628	2' NEOPRENE TUBE M (6)	0.90
12619	50' NEOPRENE TUBE M	20.00

Duracraft, Inc.



21945	DURA-PLANE	79.95

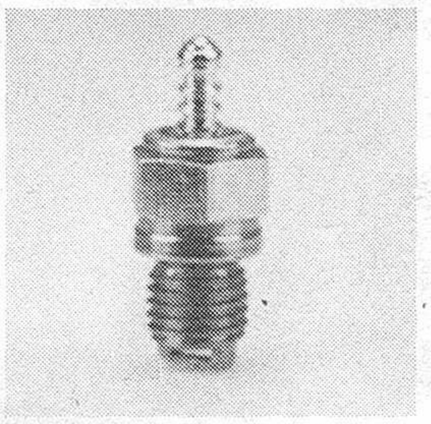
DYNATHRUST Props

21204	13 X 6 PROP	4.00

DYNTHRUST continued...

		Retail
21650	13 X 8 PROP	4.00
21205	14 X 6 PROP	5.00
21651	14 X 8 PROP	5.00
19867	15 X 6 PROP	7.00
21014	15 X 8 PROP	7.00
20403	16 X 6 PROP	8.00
21015	16 X 8 PROP	8.00
19870	18 X 10 PROP	10.00
19868	18 X 6 PROP	10.00
19869	18 X 8 PROP	10.00
19873	20 X 10 PROP	14.00
19871	20 X 6 PROP	14.00
19872	20 X 8 PROP	14.00
19875	22 X 10 PROP	18.00
19874	22 X 8 PROP	18.00

FOX Glow Plugs



Glow Plugs

12768	40101 STD. SHORT (12)	1.39
12769	40201 STD LONG (12)	1.39
12770	40502 RC SHORT (12)	1.98
12771	40602 RC LONG (12)	1.98
21599	40702 4 CYCLE SPECIAL (12)	2.75

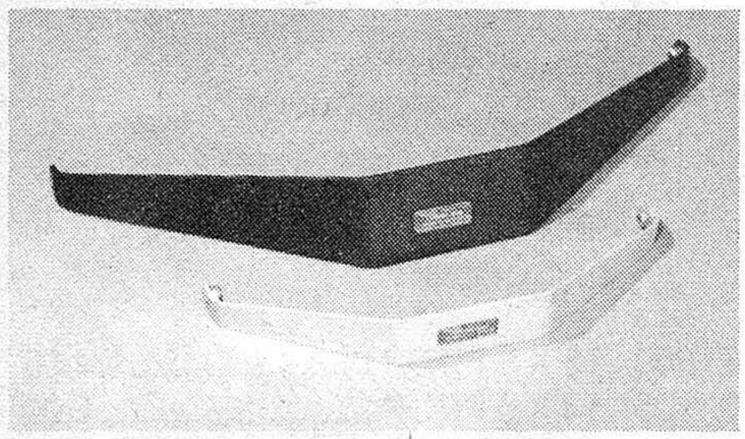
Accessories

12804	70104 4-WAY WRENCH	7.95
12805	70201 4 STEP REAMER	7.95
12806	70202 K & B REAMER	7.95
21598	70203 7 & 8 MM REAMER	7.95

GMP

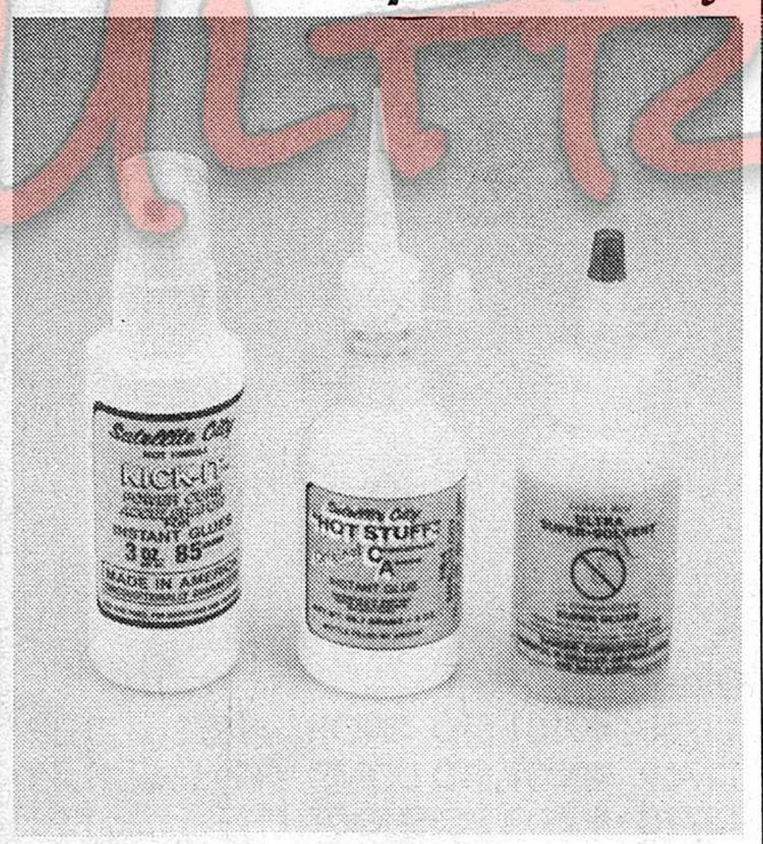
16624	1/4 SCALE INSTRUMENTS	1.49
11371	AIRCRAFT INST. ASSTMNT.	1.49
17648	EASY OFF PULLER	7.95
16625	GIANT KWIK SET 16 OZ.	13.95
11363	HALF-FAST EPOXY 10 OZ.	8.95
11362	JR. KWIK SET EPOXY 5 OZ.	5.95

HALLCO Landing Gear



11393	B105-1 under 1.7 lbs.	8.95
11394	B105-2 1.7-2.7 lbs.	9.45
11395	B105-3 2.7-3.5 lbs.	9.95
11396	B105-4 3.5-4.5 lbs.	10.95
11397	B105-5 4.5-8.0 lbs.	14.50
11398	B106-3 HDuty 3.5-4.5 ibs.	10.50
11399	B106-4 HDuty 4.5-6.0 lbs.	11.50
11400	B106-5 HDuty 6.0-8.0 lbs.	15.50
11401	B106-6 HDuty 8.0-10.0 lbs.	19.90

HOT STUFF by *Satellite City*

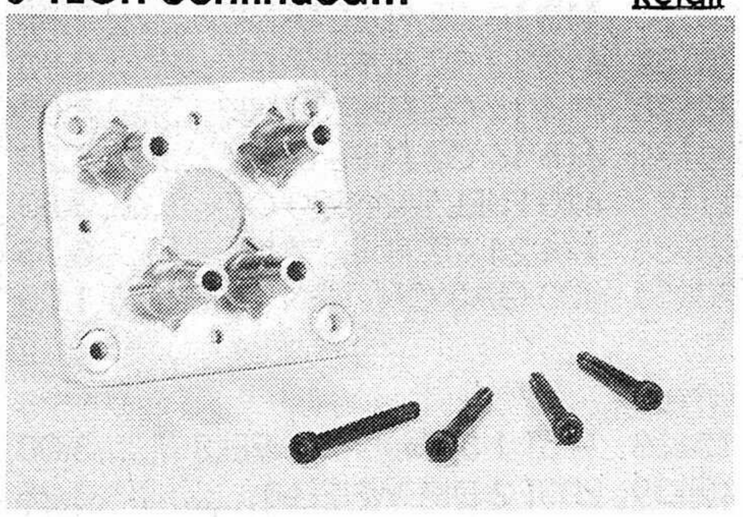


21361	HOT STUFF 1/4 LB	18.95
21360	HOT STUFF KICK IT 6 OZ	7.95
21359	HOT STUFF KICK KIT 3 OZ	4.95
18989	HS-3 HOT SHOT 3 OZ.	3.95
21362	HOT STUFF SUPER T 1/4 LB	18.95
11690	HS-1 1/2 OZ 14.2 GR CL	3.25
11691	HS-2 7 GR HOT STUFF.25 OZ	3.50
11692	HS-4 CLR 2 OZ HOT STUFF	9.95
16672	HST-1 SUPER T 1/2 OZ	3.25
16729	HST-4 HOT STUFF SPR 2 OZ	9.95
19293	HT-500 HOT TIPS	1.25
17518	ST500 TFLN APPLICATORS	0.50
11694	T500 TFLN TUBING 18 PKG	0.50
19294	US-1 ULTRA SPR SOLVENT	4.98

J-TECH Accessories

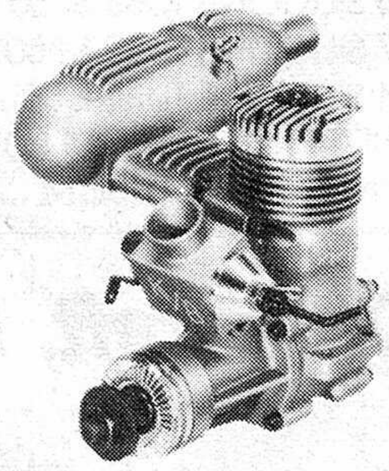
24226	JT-26R ENGINE MUFFLER	21.98
24221	JT-401 ENGINE MUFFLER	18.00

J-TECH continued... Retail



24230	JT-42 ENGINE MOUNT	10.40
24223	JT-44 ENGINE MOUNT	8.00
24218	JT-601 ENGINE MUFFLER	15.20
21671	JT-60P SD MNT MUF 45-60	20.00
24229	JT-61 ENGINE MOUNT	10.40
24214	JT-62 ENGINE MOUNT	14.40
24210	JT-64 ENGINE MOUNT	10.40
24216	JT-65 ENGINE MOUNT	10.40
24224	JT-901 ENGINE MUFFLER	16.80
24217	JT-901 ST ENGINE MUFF	19.95
24225	JT-9MB ENGINE MUFFLER	19.95
21675	JT-9MB M-100 U/I MUFF	25.00
21681	JT-9MH M-100 U/I/S MUF.	25.00
21680	JT-9MR M-100 I MUF.	25.00
21676	JT-9MS M-100 U/I/S MUF.	25.00
21672	JT-9Z1 G-23 U/I MUFFLER	25.00
21677	JT-9Z2 G-23 INVRTD MUF.	25.00
21682	JT-9Z3 G23 UPRIGHT MUF.	25.00
24219	JT-M2B ENGINE MUFFLER	19.00
24220	JT-M8B ENGINE MUFFLER	17.56
24232	JT-ST61 ENGINE MOUNT	19.95

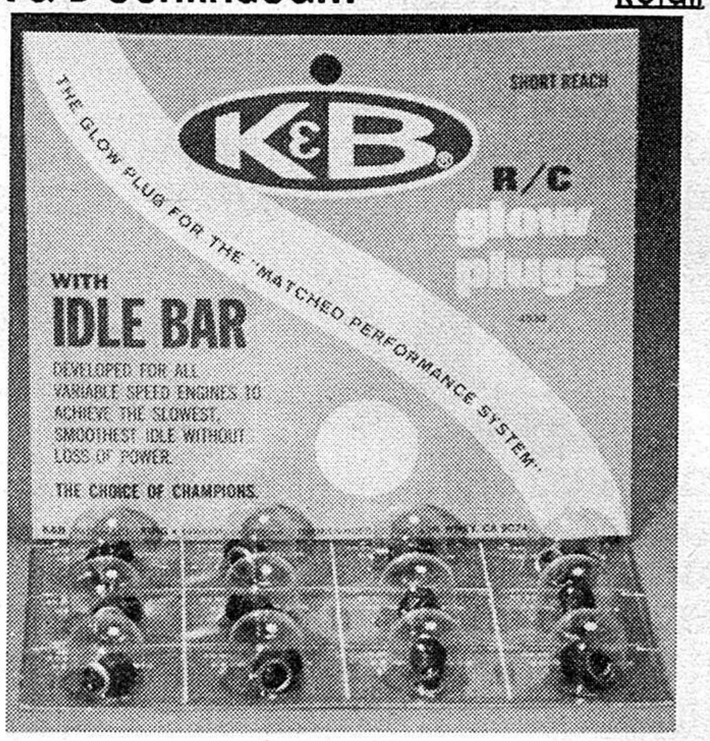
K&B Products



Engines

21637	5600 20 R/C	62.00
18608	4011 40 R/C W/MUFFLER	100.00
24072	4012 40M SPORT	105.00
21893	5900 SPORTSTER 45	84.00
21169	6550 61 R/C W/M	120.00
23900	5100 INBOARD 11CC	294.00
23899	5101 OUTBOARD 11CC	299.00
18208	8701 7.5CC OUTBOARD	200.00
18297	8906 3.5CC OUTBOARD	150.00
24073	8912 3.5CC INBOARD	100.00
23898	9102 7.5 DUCTED FAN	86.40

K & B continued... Retail



Glow Plugs

12136	4520 RC LONG (12)	2.30
12137	4530 RC SHORT (12)	2.30
12134	7311 KB-1L LONG (12)	1.70
12135	7321 KB-1S SHORT (12)	1.70

Super Poxy Paints & Resins- Part A & B

PART A

24107	8110 CLEAR 1/2 PINT	$5.75
24105	8111 WHITE 1/2 PINT	$5.75
23903	8112 ORANGE 1/2 PINT	$5.75
24103	8113 RED 1/2 PINT	$5.75
24108	8114 BLACK 1/2 PINT	$5.75
23904	8115 BLUE 1/2 PINT	$5.75
24104	8116 YELLOW 1/2 PINT	$5.75
24774	8117 PRIMER 1/2 PINT	$5.75
24890	8127 MTLC. BLUE 1/2 PINT	$5.75
23902	8136 ALUMINUM 1/2 PINT	$5.75

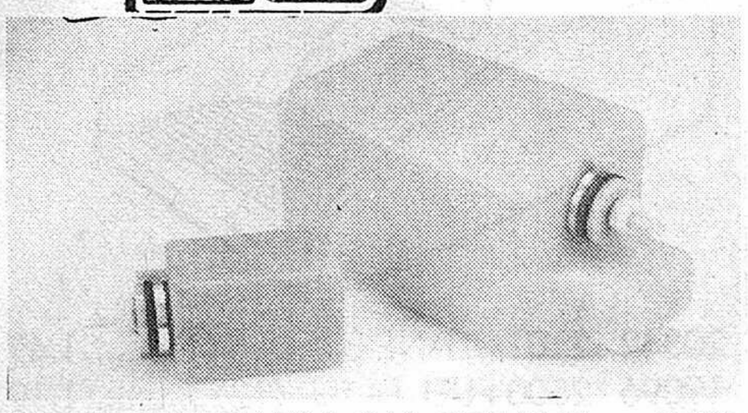
PART B

24091	8118 CATALYST PAINT (GLOSS) 1/2 PT	$5.75
24106	8119 CATALYST PRIMER .5 PT	$5.75
24776	8120 THINNER PINT	$5.50
22070	8121 THINNER QUART	$7.95
24333	8123 CTLYST PAINT (STAIN)	$5.75
22072	8129 CTLYST (GLS, BRSH)	$5.75

Misc. Accessories

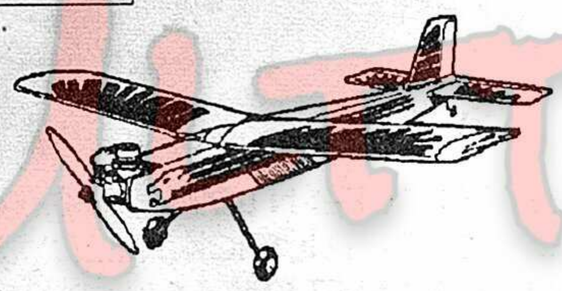
24894	8150 POLYESTER RESIN COATING QUART	$11.75
24895	8151 RESIN HARDENER 1/2 OZ.	$2.25
24892	8160 FIBERGLS CLOTH (LT., 3/4OZ.), YD.	$5.50
24893	8161 FIBERGLASS CLOTH (MED., 2OZ.), YD	$5.50
24128	8162 FIBERGLASS CLOTH (HVY., 6OZ.), YD	$5.50
24896	1OZ. MEASURING/MIXING CUPS (24)	$2.25

Fuel Tanks

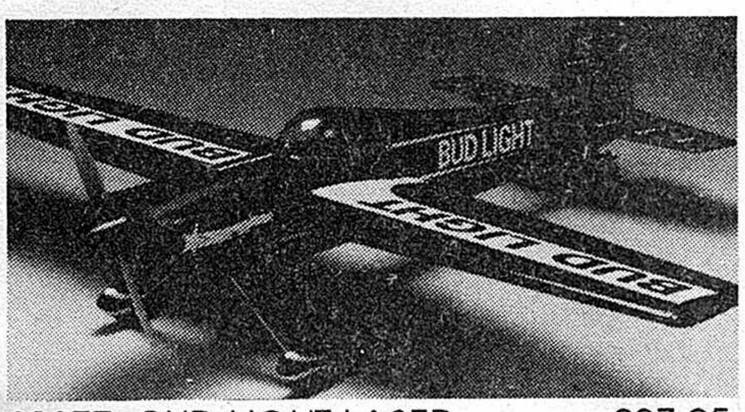


18371	101 RK-TS 1-3/4 OZ TANK	2.50
18372	102 RK-TS 4 OZ TANK	2.75
18373	103 RK-TS 8 OZ TANK	3.25
18374	104 RK-TS 12 OZ TANK	3.75
18375	105 RK-TS 16 OZ TANK	4.25
18377	108 RK-TS 24 OZ TANK	5.50
18376	106 VITON STPR(GAS/DSL)	2.25
18379	107 GP-020 GRD PROP	19.50

Lion Models ARF's



21878 APACHE 25 ..... 89.95



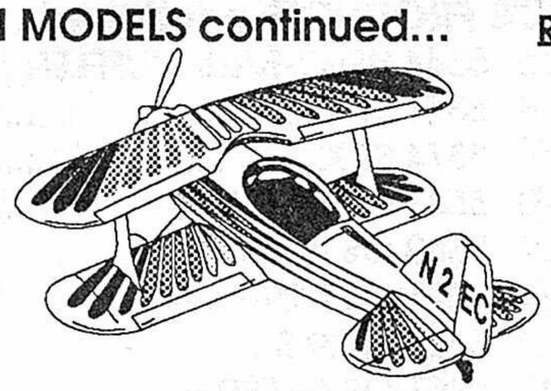
21877 BUD LIGHT LASER 227.95

21872 CAP 21 (LION MODEL) 199.95

21870 CESSNA 182 ..... 199.95
21875 CHRISTEN EAGLE 259.95
21880 CLIPPED WING CUB 269.95

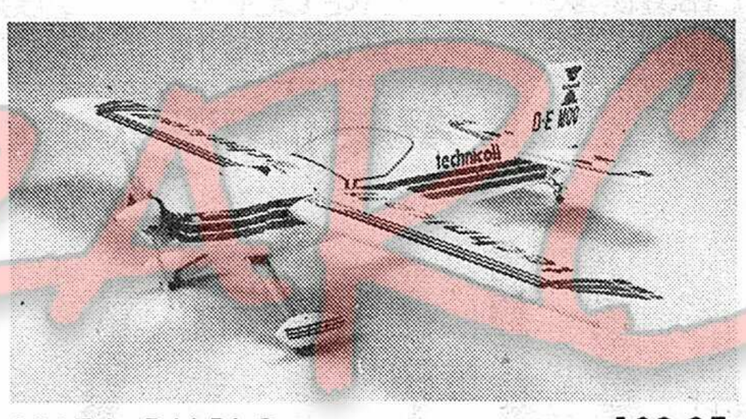
LION MODELS continued...

Retail

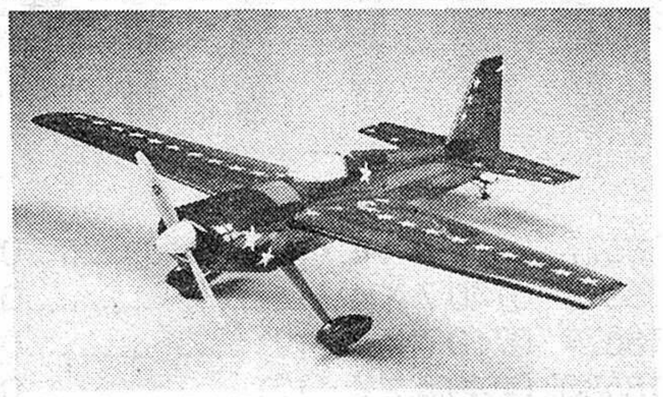


Christen Eagle - **#21875**

Clipped Wing Cub - **#21880**

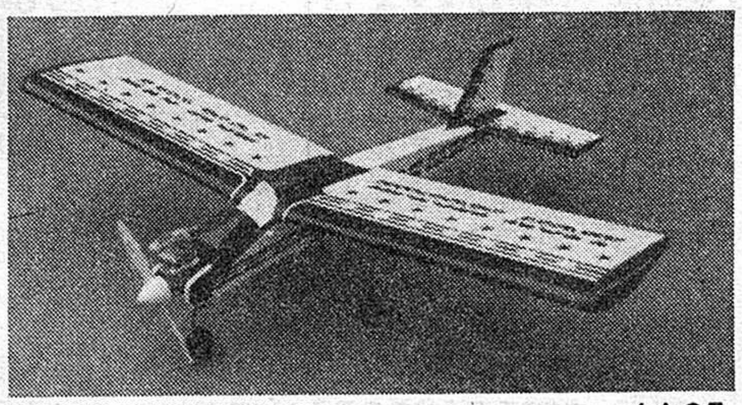


21874 DIABLO 199.95



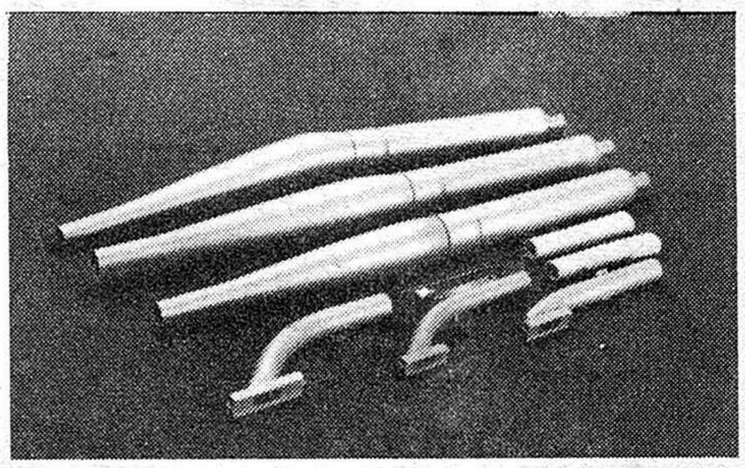
21873 LASER 200 ..... 149.95

21871 TALON 25 ..... 149.95
21876 TALON 40 ..... 189.95



21879 TOM CAT 64.95

MACS PRODUCTS



Tuned Pipes		Retail
18733	10CC BENT TUNED PIPE	43.95
18520	1120 TUNED PIPE 3.5CC	20.95
18522	1130 TUNED PIPE 6.5CC	23.95
18524	1140 TUNED PIPE 7.5CC	24.95
18609	1150 TUNED PIPE 8.5 CC	27.95
18525	1160 TUNED PIPE 10CC	28.95
18461	1345 MARINE 7.5 CC	35.95
18526	1365 MARINE 11CC	37.95
18792	1460 10CC HELI	30.95

Muffled Tuned Pipes

18521	1220 3.5CC	26.95
18523	1230 6.5CC	29.95
18460	1240 7.5 CC	30.95
18610	1250 8.5 CC	35.95
18611	1260 10 CC	36.95
19882	1290 15CC	39.95
18527	1347 MARINE 7.5CC	16.95
18528	1367 11CC MARINE	17.95
18793	1468 10CC HELI	32.95

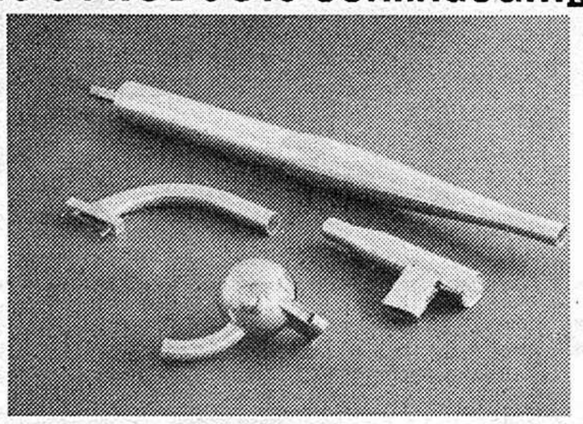
Wizards

18661	1821 DUCTED FAN 3.5CC	34.95
21254	1835 SPORT 40 WIZARD	28.95
19023	1841 DCTD FN SYS 7.5CC	35.95

For Side Exhaust Engines

18529	2340 STD. OS 25 FSR	16.95
18530	2341 LONG OS 25 FSR	16.95
22996	2370 STD PIPE ST X25	15.95
18531	2371 LONG ST X25	16.95
18532	2530 STD K & B 40	18.95
18533	2531 LONG K & B 40	18.95
18801	2553 OS 30/40RC MARINE	18.95
18534	2580 STD OS 40 FSR	18.95
18535	2581 LONG OS 40FSR	18.95
18536	2582 EX-LONG OS 40FSR	18.95

MAC'S PRODUCTS continued...Retail



18538 2620 STD ST 46 (E) 18.95
18539 2621 LONG ST 46 (E) 18.95
18540 2622 EX-LONG ST 46 (E) 18.95
18546 2771 LONG K & B 61 .....19.95
18547 2772 EX-LONG K & B 61 ....19.95
18638 2850 STD OS 60 FSR 19.95
18639 2851 LONG OS 60 FSR 19.95
18654 2852 X-LONG OS 61 FSR ...19.95
23020 2860 PIPE OS 61 SF(LS) 19.95
23161 2861 LONG OS 61SF (LS)...19.95
18549 2900 STD G60 (E) S-61-75 ..19.95
18550 2901 LG STG60 (E)S61-75 ..19.95
18551 2902 XL STG60 (E)S61-75 ...19.95
18552 2910 STD ST X60 .....19.95
18553 2911 LONG ST X60.....19.95
18554 2912 EX-LONG ST X60 .....19.95
18555 2940 STD OS 90FSR 19.95
18556 2941 LONG OS 90 FSR 19.95
19016 2942 X-LONG OS 90 FSR 19.95
18802 2943 OS 90FSR MARINE 19.95
19881 3350 OS25VFDF
w/3MM SCREW 9.95
18559 3351 (R) 15 K & B 3.5 .....9.95
23169 3352 FUSETOP OS 25VF-DF 14.95
18560 3450 (R) O K & B 6.5 .....11.95
18561 3451 (R) 15 K & B 6.5 .....11.95
18640 3452 R FUSE-TOP K&B 6.5 ..17.95
18462 3520 (R) OS 40 .....11.95
18463 3521 (R) 15° OS 40.....11.95
18517 3522 (R) FUSE-TOP OS40 ...17.95
18663 3550 (R) OS ST X40 .....11.95
18669 3551 ST X40 .....11.95
18664 3552 (R) FUSE-TOP ST X40..17.95
18562 3680 (R) O OS 61VF.....13.95
18655 3681 15° OS 61 VF 13.95
18563 3682 R FUSE TOP OS 61VF.19.95

Muffler Expansions

18642 4330 OS 19-25.....22.95
18566 4562 OS 30-35.....24.95
18700 4572 OS 40 .....24.95
18616 4582 OS 40 FSR 24.95
18567 4622 ST46E 24.95
18645 4842 OS 60 GR 26.95
18568 4852 OS 60 FSR 26.95
18668 4902 ST G60 .....26.95

Helo-Ball Mufflers

19017 5341 OS 25 FSR A 23.95

MAC'S PRODUCTS continued...Retail

19015 5344 HELO-BALL MUFFLER .23.95
19018 5371 ST X25 A.....23.95
19019 5374 ST X25 C 23.95
19020 5581 OS 40 FSR A 25.95
18569 5582 OS 40 SR B 25.95
19024 5621 ST21-29-46 A 25.95
18647 5622 ST 29 B 25.95
19021 5851 OS 61 FSR A 27.95
18656 5852 OS 61 FSR 27.95
19025 5901 ST G60-S61-75 A 27.95
19026 5902 ST G60-61-75 B 27.95

X-Style Racing Mufflers

18789 6571 XRACING OS40 RC ..17.95
18790 6621 X RACING ST 29-46....21.95

Accessories

18574 9110 PRESSURE FITTINGS 0.80
18575 9310 SILICONE CONN. 2.00
18576 9360 CINCH STRAPS 10 .....0.95

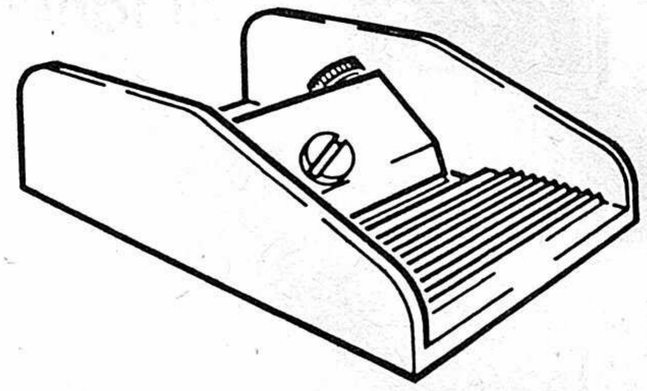
MASTER AIRSCREW Props

18677 0640 6 X 4 (12) 0.75
18678 0740 7 X 4 (12) 0.85
18679 0760 7 X 6 (12) 0.85
18680 0840 8 X 4 (12) 0.95
18681 0860 8 X 6 (12) 0.95
18683 0940 9 X 4 (12) 1.20
18682 0960 9 X 6 (12) 1.20
18684 9560 9-1/2 X 6 (12) 1.20
21834 PUSHER 10 X 6 (6) 1.80
18685 1060 10 X 6 (12) 1.45
18686 1070 10 X 7 (12) 1.45
21472 1160 11 X 6 (12) 1.65
18687 1170 11 X 7 (12) 1.65
18688 1175 11 X 7-1/2 (12) 1.65
20892 1260 12 X 6 (1) 2.49
21016 1360 13 X 6 (1) 2.95
20306 1460 14 X 6 (1) 3.95
20307 1480 14 X 8 (1) 3.95
21641 1580 15 X 8 (1) 4.59
20308 1660 16 X 6 (1) 4.95
20309 1680 16 X 8 (1) 4.95

Accessories

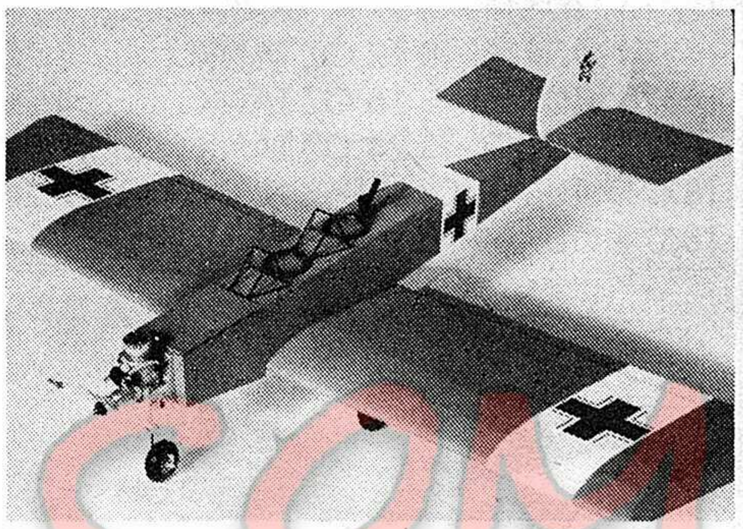
18689 2000 BALSA STRIPPER 4.95
20263 2100 RAZOR PLANE (1) 4.95

MASTER AIRSCREW continued... Retail

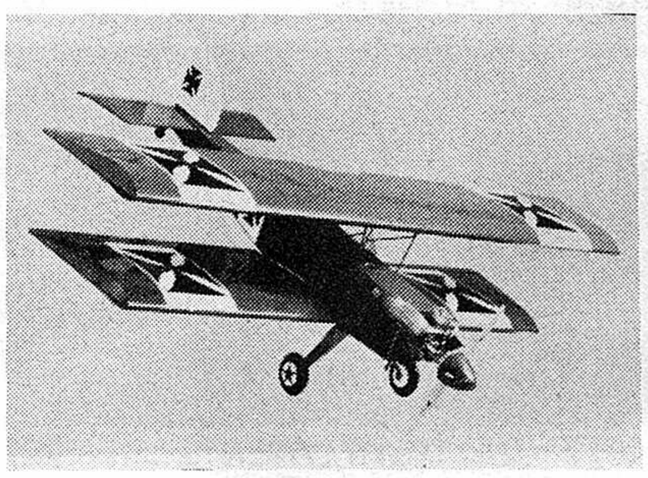


20342 2101 PLANE BLADES (1) 1.49
19096 2500 FUEL FILTER (12) 1.19

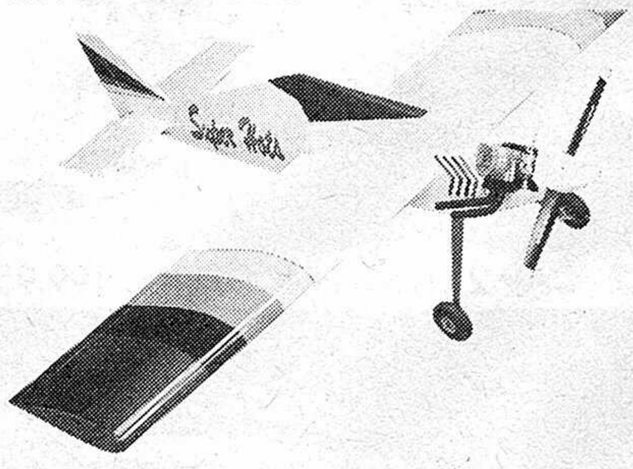
Midwest Products



18338 151 SWEET N LOW STICK 66.95
13085 122 DAS LIL'STICK.....57.95
13088 128 SWEET STIK 66.95



18937 153 DAS BIPE STIK 68.95
19251 154 SUPER SWEET STIK 79.95
21836 155 GIA. SWT-N-LW STIK ...164.95



21072 156 HOTS 55.95
21837 157 SUPER HOTS 89.95
21838 158 AERO-STAR 20 .....59.95
21839 159 AERO-STAR 40 .....84.95

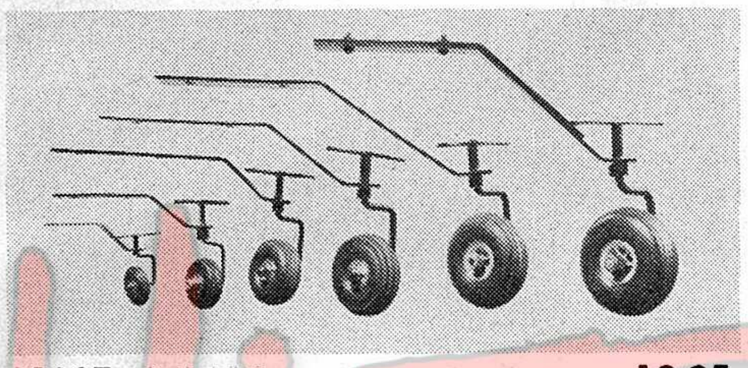
The AERO-STAR is pictured on the next page.

MIDWEST PRODUCTS continued...

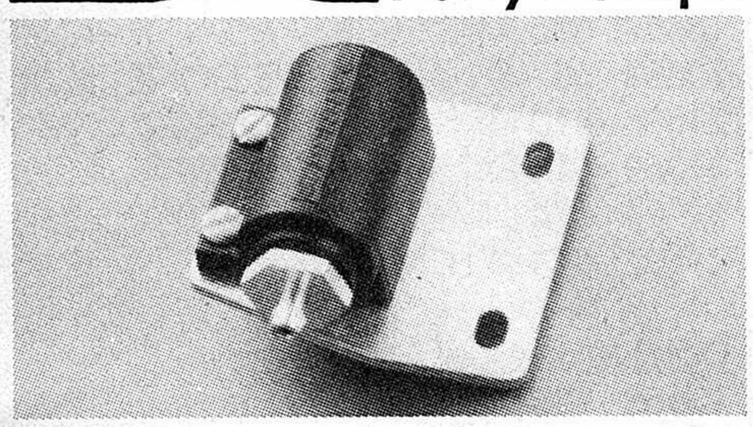
		Retail
21807	3-8 LBS	10.95
21808	4-10 LBS	12.95
21809	10-18 LB	14.95
21810	18-35 LBS	15.95

*Midwest's **Aero-Star**- #21839*

Ohio Superstar



Perry Pumps



18919	OSCILLATING FUEL PUMP	29.95
21342	P-30 REGULATING PUMP	32.95
21481	P40SG PUMP FOR SK/GAS	32.95

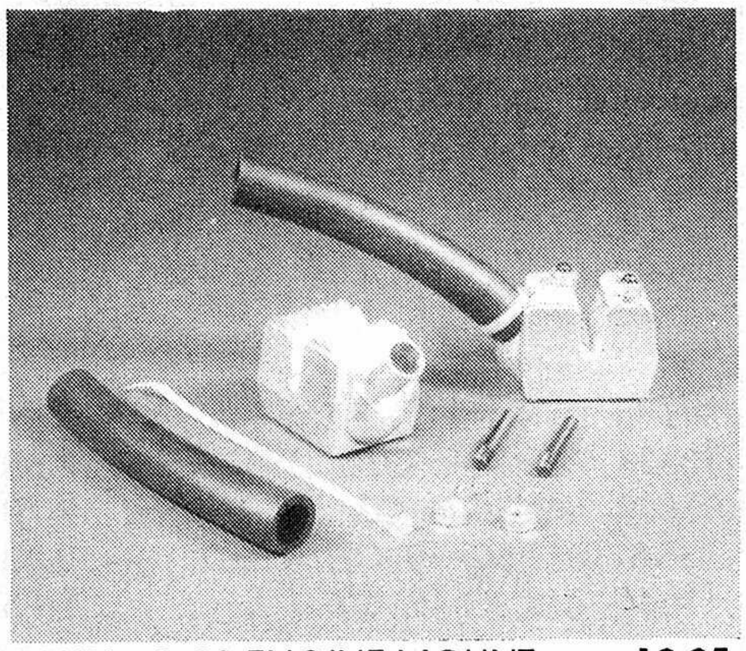
PIC™ Adhesives

22591	010 SQUEEGES	3.99
22592	050 BRUSHES 3/8X6 12/PK	2.30
21686	100 PIC STIK CYA QK 1 OZ	4.85
21688	102 PIC STIK CYA SLW 1 OZ	4.95

PIC continued...

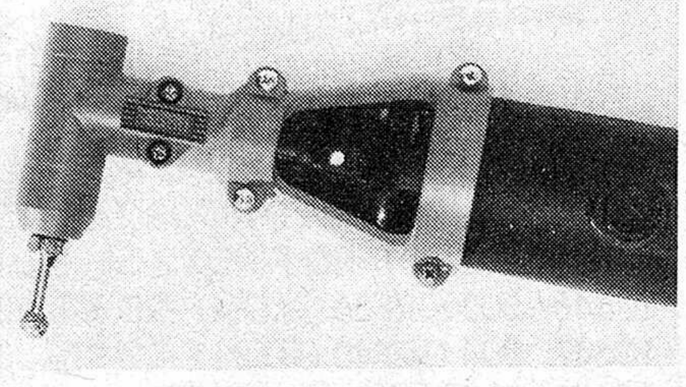
		Retail
22588	103 PLASTI-STIC CYA	4.95
21687	200 PICK STIK CYA-QK 2 OZ	9.59
22589	201 STIC CYA+ MED 2OZ	9.59
22590	202 STIC CYA++SLOW 2OZ	9.79
21689	500 PIC APART 1 OZ	3.49
22593	540 U-KNEAD-IT MASKING	4.99
21690	600 PIC FILLER 8 OZ	4.95
22594	650 TIPS 'N TOPS 4 EA BAG	0.89
22595	660 FINE MICRODRPR TIPS	1.75
22596	670 XF MICRODROPR TIPS	1.75
22597	700 SKIN SHIELD 100ML.	8.95
22598	706 SKIN SHIELD 20ML TUBE	4.95
22599	730 SLICKER 20 ML. TUBE	4.95
22600	802 CYA ACCEL 2 OZ	4.98
21691	808 CYA ACCEL 8 OZ	8.95
22601	818 FOAM TREAT 2FL OZ	4.98
21692	900 RESIN WACKER 1 OZ	3.99
22602	970 COATING POXY 38.4 FL OZ KIT	29.99
22603	975 COATING POXY 4.8 FL OZ KIT	9.99
21693	980 POXY LITE 6 OZ	8.95
22604	990 A+B POXY SHAPING PUTTY 2/PK	3.99

PK Products Accessories



20279	G-38 ENGINE MOUNT	19.95
21603	G-62 ENGINE MOUNT	19.95
21619	G-62 THROTTLE LINKAGE	7.95
20985	H&K SUPR-STRTR MK2 G38	24.95
20280	TARTAN TWIN MUF. SETS	39.95

robart Products

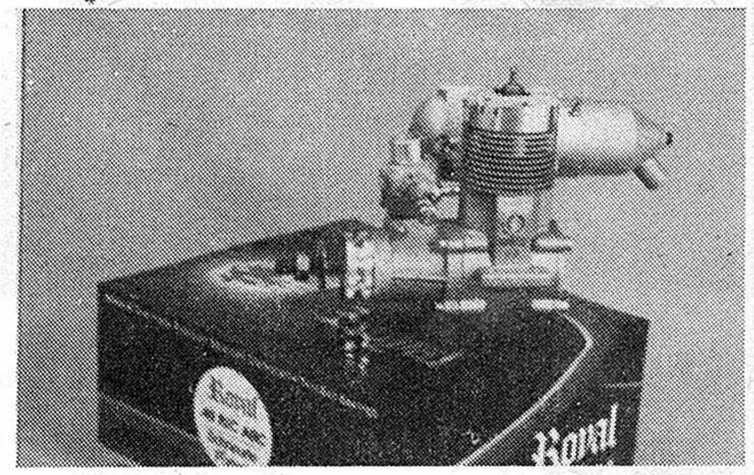


21656	420 RIGHT ANGLE DRIVE	24.95

ROBART continued...

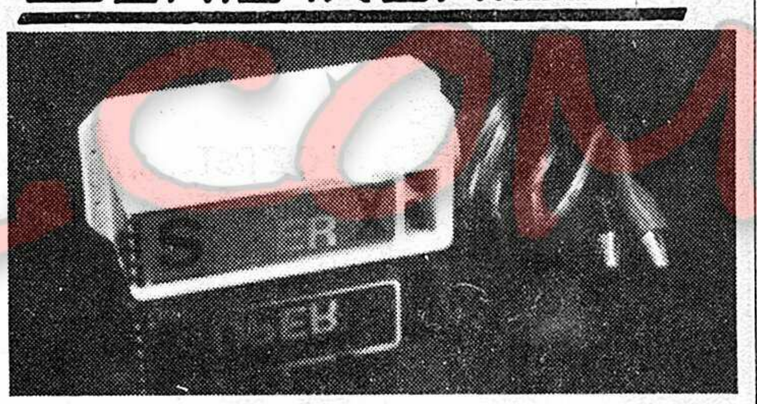
		Retail
21779	420B RIGHT ANGLE DRIVE	39.95
21780	421 RIGHT ANGLE DRIVE	39.95

Royal Products CORPORATION



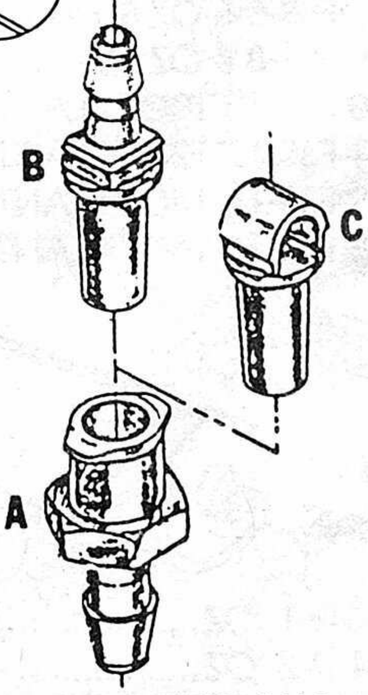
21899	79-650 40 RC ENGINE	94.95
21900	79-651 45 RC ENGINE	104.95

SONIC-TRONICS



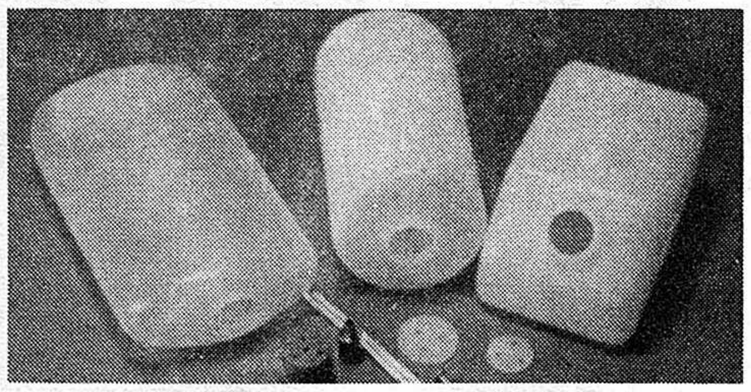
14270	250 SUPER X PUMP 2-6V	18.95
18732	1249 MK X ELEC PUMP	15.95
14271	1250 MK X PUMP 7-12V	18.95
21153	301 4 CYC GLO PLUG (OS)	3.29

SAC Standale Aircraft

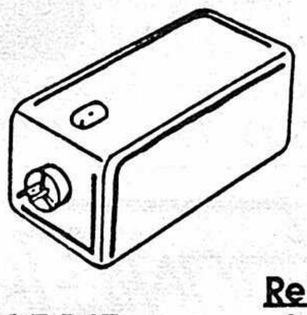


21667	1602 EZ-FUELER 5/32	2.49
21664	1201 PMS 4 OZ. MASKING	3.50
21665	1202 PMS 8 OZ MASKING	5.95
21662	1101 K5W 4 OZ ENGINE CLEANER	4.95
21663	1501 EZ-LINE FUEL TUBING	1.29
21668	1504 EZ-THROTTLE	2.05
21666	1805 WEIGHT/STICK (1PC)	13.95

Sullivan

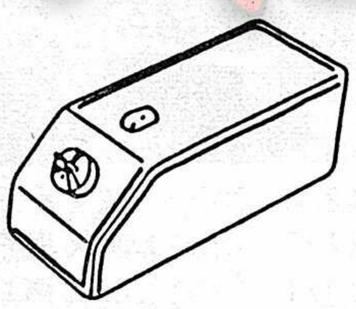


FLEX-TANK
RST
Flexible Tank



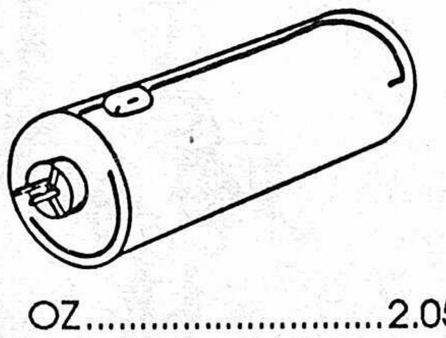
		Retail
21524	725 FRST-4 4 OZ RST	2.90
21525	726 FRST-6 6 OZ RST	3.00
21526	727 FRST-8 8 OZ RST	3.15
21527	728 FRST-10 10 OZ RST	3.25
21528	729 FRST-12 12 OZ RST	3.45

FLEX-TANK
SLANT
Flexible Tank



21529	735 FSS-1 1 OZ SLANT	2.55
21530	736 FSS-2 2 OZ SLANT	2.75
21531	737 FSS-4 4 OZ SLANT	3.00
21532	738 FSS-6 6 OZ SLANT	3.15
21533	739 FSS-8 8 OZ SLANT	3.25
21534	740 FSS-10 10OZ SLANT	3.40
21535	741 FSS-12 12OZ SLANT	3.55
21536	742 FSS-14 14OZ SLANT	3.75
21537	743 FSS-16 16OZ SLANT	4.10

FLEX-TANK
ROUND/
CYLINDER
Flexible Tank

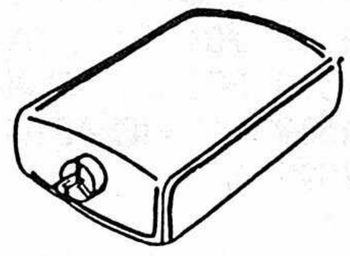


13611	400 R-1 OZ	2.05
13612	401 R-2 OZ	2.15
13613	402 R-4 OZ	2.25
13614	403 R-6 OZ	2.35
13615	404 R-8 OZ	2.45
13616	405 R-10 OZ	2.60
13617	406 R-12 OZ	2.70
13618	407 R-16 OZ	2.95
13619	410 C-4 OZ	2.15
13620	412 C-8 OZ	2.35

SULLIVAN continued... Retail

13621	414 C-16 OZ	2.70

FLEX-TANK
OVAL
Flexible Tank



13622	416 OV-2 OZ	2.15
13623	420 OV-8 OZ	2.65

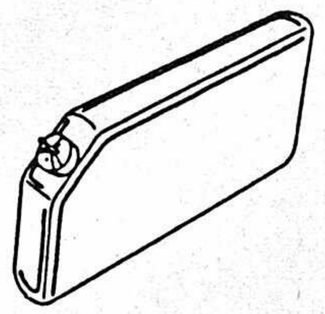
Standard RST Tank

13624	425 RST-4 OZ	2.40
13625	426 RST-6 OZ	2.50
13626	427 RST-8 OZ	2.60
13627	428 RST-10 OZ	2.70
13628	429 RST-12 OZ	2.85

Standard Slant Tanks

13629	435 SS-1 OZ	2.10
13630	436 SS-2 OZ	2.30
13631	437 SS-4 OZ	2.50
13632	438 SS-6 OZ	2.60
13633	439 SS-8 OZ	2.70
13634	440 SS-10 OZ	2.80
13635	441 SS-12 OZ	2.95
13636	442 SS-14 OZ	3.15
13637	443 SS-16 OZ	3.40
20125	444 SS-24 OZ	3.95

SLANT
OVAL Tank

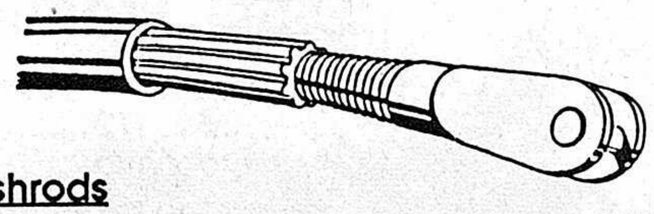


Standard Slant Oval Tank

13638	445 SO-6 OZ	2.60
13639	446 SO-8 OZ	2.70
13640	447 SO-10 OZ	2.80
13641	448 SO-12 OZ	2.95

Fuel Tank Accessories

16404	482 PKT TANK ACCESS.	1.60
20128	484 GCK GAS CNVRSN KIT	1.75

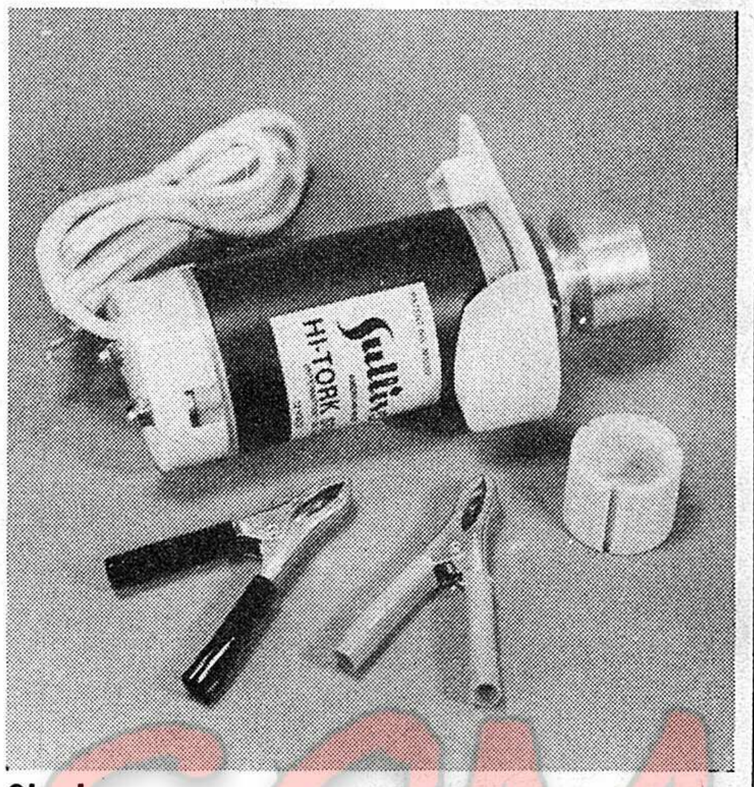


Pushrods

13644	500 256 ALL THREAD ROD	0.55
13643	501 DT THRD P-RODS 2-56	1.70
13645	502 ZB THRD P-RDS 2-56	1.50
13646	503 GRF36 GLDN P-RD KIT	3.35
13647	504 GRF48 GLDN P-RD KIT	3.70
13648	505 GRSF36 GLDN P-RD KIT	3.70

SULLIVAN continued... Retail

13649	506 GRSF48 GLDN P-RD KIT	4.10
13650	507 GRC3 GLDN P-RD KIT	2.10
13651	508 GRC6 GLDN P-RD KIT	2.60
13601	512 CC-32 THRD COUPLRS	1.75
20126	518 GRHS60 HI-STRS RODS	8.40



Starters

13654	600 HI STARTER 12 VOLT	45.95
13655	601 HTD STARTER 12 VOLT	49.95
21024	603 DYN SUPR PWR STRTR	69.50
13656	605 RASP RUBBER ADAPTR	1.60
13657	606 RAC RUBBER ADAPTR	2.50
13658	607 4-1 ALM DRIVE CONE	6.50
21506	610 KIT SM ALM CONES-2	9.90
21069	612 EXT KIT FOR HELICPTR	12.75
21694	614 L RASP LG RBR ADPTR	8.95
21507	624 RPLCMT R/CAR ADPTR	2.90

Control Line Cables

13659	127 I182	7.00
13660	128 U123	8.15
13661	129 U125	9.16
13662	130 U126	10.30
13663	131 U155	9.75
13664	132 U156	10.40
13665	133 U157	10.90
13666	134 U185	10.00
13667	135 U186	10.60
13668	136 U187	11.10
13669	137 U217	11.50
13670	145 UA21K FLEX HEAD CBL	1.60

Accessories

23732	166 CONTROL HANDLE	3.75
23733	167 CONTROL HANDLE	4.25
13671	173 2 OZ PRESSURE FUELER	1.85
13672	174 4 OZ PRESSURE FUELER	2.45
13673	175 1F8 PRESSURE FUELER	2.50
13674	176 1F16 PRESSURE FUELER	2.80
13675	180 39-GC GLO PLUG KLIP	1.45
13676	181 40-GC GLO PLUG KLIP	1.45
13678	187 CT-1 CRAP TRAP	1.65

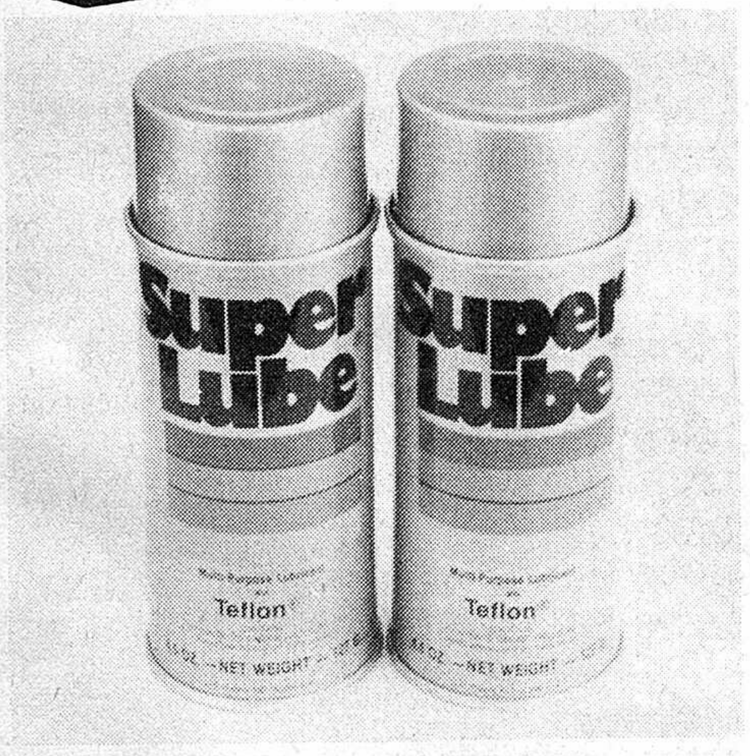
SULLIVAN continued...

		Retail
13679	189 CT-P CRAP TRAP	1.85
21844	206 BN-TM 3/32X36 GAS TBE	1.75
21843	207 BN-TL 1/8 X36 GAS TUBE	1.75
13680	212 FS-3 FOAM PAK SLEEVE	1.10
20129	352 T2 1 DIA TAIL WHEEL	0.75
20130	353 T3 1.25 DIA TAIL WHEEL	0.85
20131	354 T4 1.5 DIA TAIL WHEEL	0.95

Music Wire

16162	252 T25 (TUBE)	7.56
16163	253 T32 (TUBE)	6.90
13685	254 3' .045	0.17
16164	254 T45 (TUBE)	7.15
13686	255 3' 1/16	0.22
16165	255 T16 (TUBE)	7.05
13687	256 3' 3/32	0.42
16166	256 T332 (TUBE)	6.72
16167	257 T125 (TUBE)	7.20
16168	259 T75 (TUBE)	9.00
16169	260 T532 (TUBE)	9.00
13691	261 3' 3/16	1.50
16170	261 T316 (TUBE)	9.00
14425	3U156 .015DIA 57'6 3 LINES	7.25
14426	3U186 .018DIA 57'6 3 LINES	7.25

SYNCO Chemical Corp.



22586	31041 4.5 OZ. AEROSOL	3.99
22587	51011 .25 OZ. PRCSN OILR	2.99

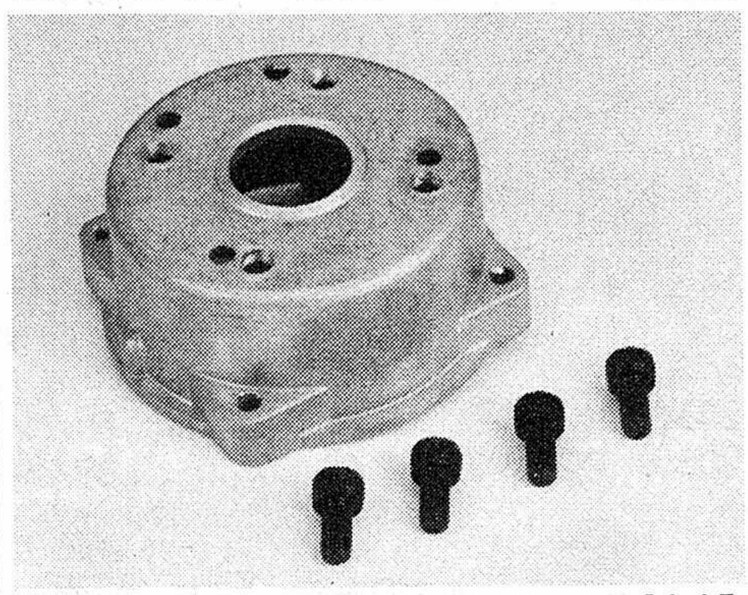
ATONE Specialties

Engine Accessories

20311	G-38 MUFF. W/SPACER	25.00
21632	G-62 MUFFLER	26.25
19823	CHOKE G38	9.50
19822	MUFFLER G38	26.25

TATONE continued...

		Retail



19693	G-38 ENGINE MOUNT	19.95

Plastic Spinners

11637	5001 1 3/4 RED	4.98
11638	5003 1 3/4 BLACK	4.98
11639	5005 1 3/4 WHITE	4.98
11640	5013 2 RED	5.95
11641	5015 2 BLACK	5.95
11642	5017 2 WHITE	5.95
11643	5025 2 1/4 RED	6.95
11644	5027 2/14 BLACK	6.95
11645	5029 2 1/4 WHITE	6.95
11646	5037 2 1/2 RED	7.95
11647	5039 2 1/2 BLACK	7.95
11648	5041 2 1/2 WHITE	7.95
11649	5049 2 3/4 RED	10.95
11650	5051 2 3/4 BLACK	10.95
11651	5053 2 3/4 WHITE	10.95
11652	5061 3 RED	12.95
11653	5063 3 BLACK	12.95
11654	5065 3 WHITE	12.95
11655	5073 3 1/2 RED P51	13.95
11656	5075 3 1/2 BLACK P51	13.95
11657	5077 3 1/2 WHITE P51	13.95
11658	5085 3 1/2 RED P40	13.95
11659	5087 3 1/2 BLACK P40	13.95
11660	5089 3 1/2 WHITE P40	13.95

Aluminum Spinners

14390	5501 2 ALUM. SPEED	19.95
14391	5503 1-1/2 ALUM.	9.95
14392	5504 1-3/4 ALUM.	11.95
11661	5505 2 ALUM.	12.95
11662	5506 2 1/4 ALUM.	12.95
11663	5507 2 1/2 ALUM.	14.95

Aluminum Spinner Nuts

11674	5201 1/4 X 8/32 X 1/2	1.50
11675	5202 7MM X 8/32 X 1/2	1.50
11676	5203 6MM X 8/32 X 1/2	1.50
11677	5204 5/16-24 X 8/32 X 1/2	1.50
15820	5205 8MM X 8-32 X 1/2 T	0.75
11678	5220 .25-28X4-40X7/16 HEX	1.19
11679	5221 12-32 X 4-40 X 7/16	1.19
11680	5222 6MM X 4-40 X 7/16	1.19
11681	5223 10-32 X 4-40 X 7/16	1.19

TATONE continued...

		Retail
11682	5224 5MM X 4-40 X 7/16	1.19

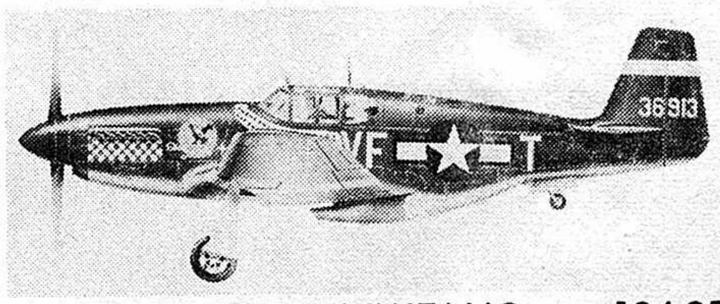
Tailwheels and Accessories

24145	5564 SPNR BCKPLT BSHNG	1.00
16529	3505 DBL RUDDER HORN 1/4	1.05
19099	5265 WING HOLD BOLT	1.75
11673	5510 STD TAILWHL	10.95
16177	5513 TAILWHL ASSY	11.95
20224	5515 PRE BENT HD TAILWL	16.95
16530	5546 LG RUDDER HORN	1.45
16490	5548 STEERING ARM	1.35
16496	5580 1/4 SCL TAILWL ASSM	19.95

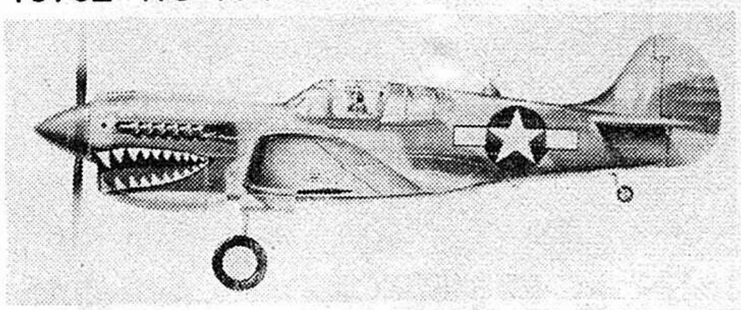
Motor Mounts

11664	5301 CB15	6.95
11665	5302 CB15R	7.95
11666	5303 CB20	6.95
11667	5304 CB30	7.95
11668	5305 CB40F	7.95
11669	5306 CB40R	9.95
11670	5307 CB60F	9.95
11671	5308 CB60R	9.95
11672	5309 CB80	10.95
15851	5312 CB 60P	12.95
14459	5313 OS 90 FSR	15.95
19998	5317 OS 120	14.95

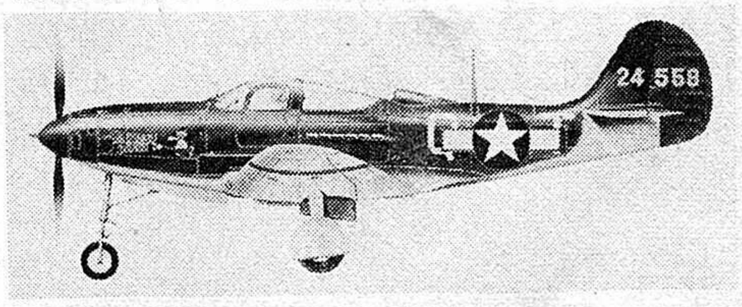
Top Flite Models, Inc.



13952	RC-16 P51 MUSTANG	124.95



13954	RC-17 P40 WARHAWK	124.95



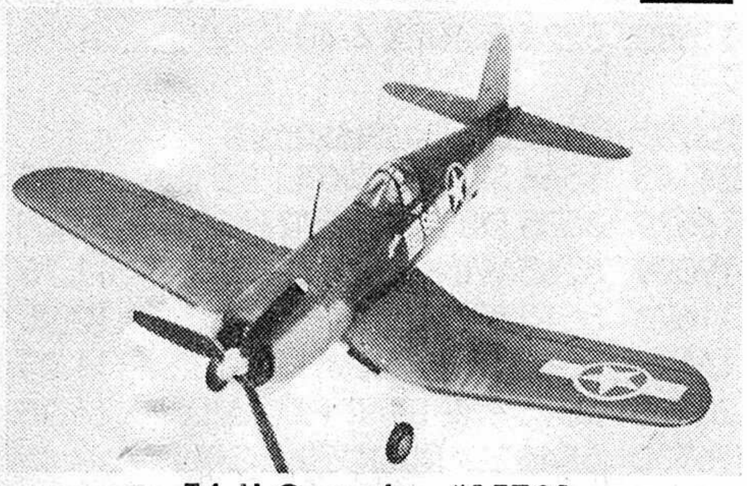
13955	RC-18 P39 AIRACOBRA	126.95
14637	RC-23 F8F BEARCAT	147.95
18033	RC-25 A6MS ZERO	145.95

These aircraft are pictured on the next page.

15791	RC-21 F40 CORSAIR	145.95
16389	RC-22 CONTENDER 40	79.95
17488	RC-24 HDMASTR SPT 40	93.95

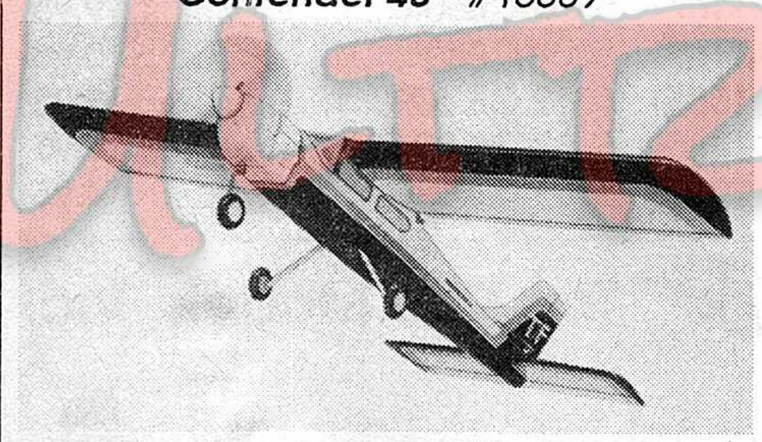
TOP FLITE continued...

Retail

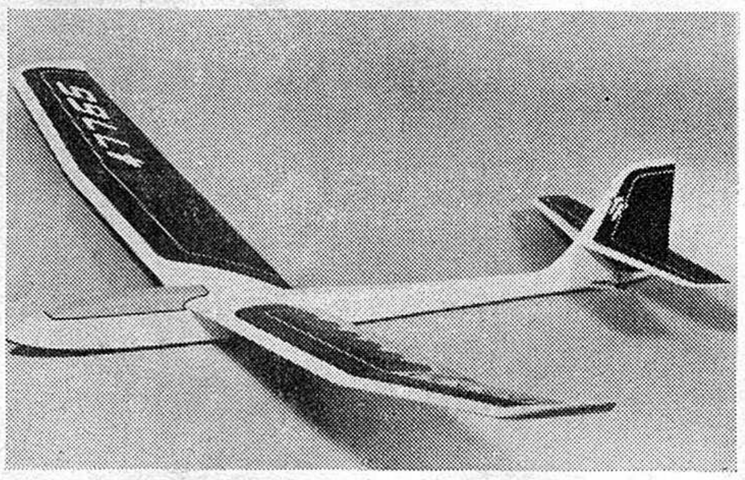


F4-U Corsair - #15791

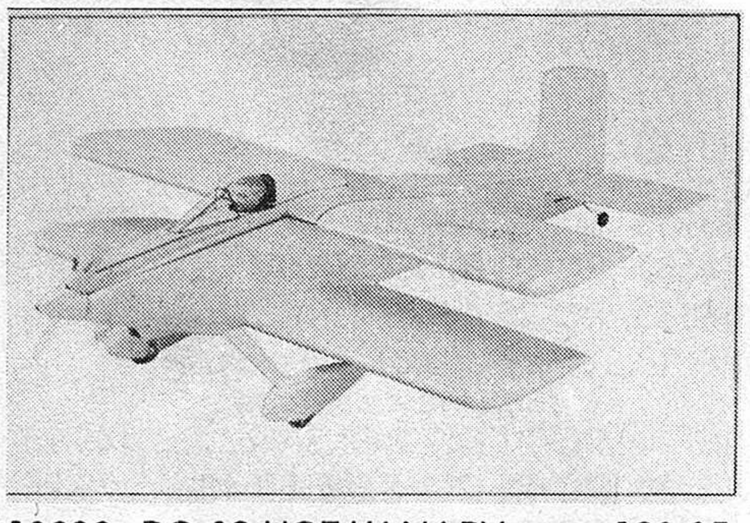
Contender 40 - #16389



Headmaster Sport 40 -#17488



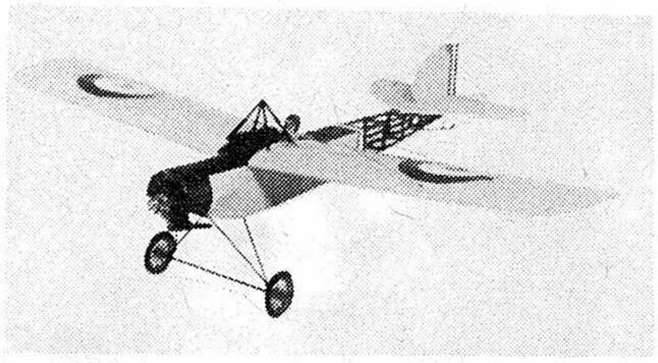
18429 RC-29 METRICK 62.95
21868 RC-35 WRISTOCRAT 41.95
21867 RC-31 ANTARES SAILPLNE 107.95
17883 RC28 J3 PIPER CUB 145.95



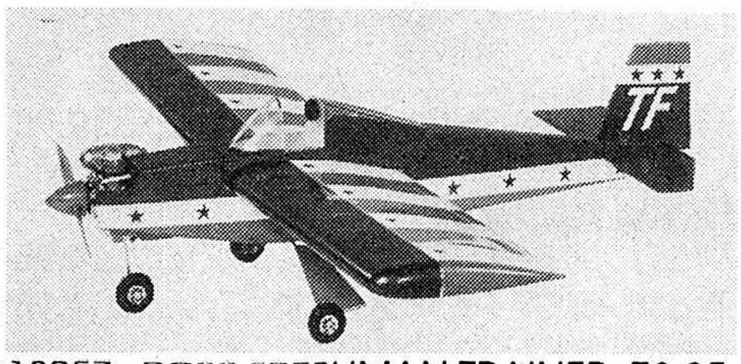
18929 RC-30 HOT KANARY 103.95

TOP FLITE continued...

Retail



20355 RC-32 ELDER 20 ..... 56.95
20568 RC-33 ELDER 40 ..... 89.95



13957 RC20 FRESHMAN TRAINER . 78.95

Super Maple Props

14015 7 X 4 ..... 1.55
14017 8 X 4 ..... 1.75
14018 8 X 5 ..... 1.75
14019 8 X 6 ..... 1.75
14021 9 X 4 ..... 1.80
14022 9 X 5 ..... 1.80
14023 9 X 6 ..... 1.80
14024 9 X 7 ..... 1.80
14026 10 X 4 ..... 1.95
14027 10 X 5 ..... 1.95
14028 10 X 6 ..... 1.95
14029 10 X 8 ..... 1.95
14030 11 X 4 ..... 2.20
14031 11 X 5 ..... 2.20
14032 11 X 6 ..... 2.20
14033 11 X 7 ..... 2.20
14035 11 X 8 ..... 2.20
14037 12 X 4 ..... 2.80
14038 12 X 5 ..... 2.80
14039 12 X 6 ..... 2.80
14040 12 X 8 ..... 2.80
14041 13 X 5 ..... 3.35
14042 13 X 6 ..... 3.35
20401 13 X 8 ..... 3.35
14043 14 X 4 ..... 4.45
14044 14 X 6 ..... 4.45

Super Maple Power Props

14051 7 X 5 POWER 1.55
14049 7 X 4 POWER 1.55
14055 8 X 6 POWER 1.75
14057 9 X 6 POWER 1.80
14060 10 X 6 POWER 1.95
14061 10 X 7 POWER 1.95
14064 11 X 6 POWER 2.20
14065 11 X 7 POWER 2.20
14066 11 X 7-1/2 POWER 2.20
14072 12 X 8 POWER 2.80

TOP FLITE continued...

Retail

Large Diameter Props

17888 16 X 10 LARGE DIA. 9.89
14079 16 X 4 LARGE DIA. 9.89
14080 16 X 6 LARGE DIA. 9.89
14083 18 X 10 LARGE DIA. 11.99
14081 18 X 6 LARGE DIA. 11.99
14082 18 X 8 LARGE DIA. 11.99
14086 20 X 10 LARGE DIA. 13.99
14084 20 X 6 LARGE DIA. 13.99
14085 20 X 8 LARGE DIA. 13.99
17892 22 X 10 LARGE DIA 17.19
17892 22 X 10 LARGE DIA. 17.19

Monokote Covering (6' Rolls)

Opaques

14088 201 MISSILE RED 11.90
14089 202 INT'L ORANGE 11.90
14090 203 PIPER YELLOW 11.90
14091 204 JET WHITE 11.90
14092 205 MUSTANG ALUM 11.90
14093 206 SKY BLUE 11.90
14094 207 INSIGNIA BLUE 11.90
14095 208 MIDNIGHT BLACK 11.90
14096 209 CHROME 11.90
14097 210 OLIVE DRAB 11.90
14098 211 DOVE GRAY 11.90
15787 212 CREAM 11.90
15788 213 MAROON 11.90
16627 214 FORREST GREEN 11.90
17879 215 CIRCUS PINK 11.90
20503 216 TAN 11.90
21775 217 BLUE MIST 11.90
21776 218 DARK RED 11.90

Transparents

14087 200 CLEAR 11.90
14100 302 SUNSET ORANGE TR. ... 11.90
14101 303 SUNRISE YELLOW TR. ... 11.90
14102 304 SAPPHIRE BLUE TR. 11.90
15790 305 CRYSTAL RED TR. 11.90
16628 306 CRYSTAL GREEN TR. 11.90

Metallics

14103 401 EMERALD GREEN 13.90
14104 402 ELTRC BLUE 13.90
14105 403 PLUMB CRAZY 13.90
15789 404 GOLD 13.90
14418 405 COPPER RED 13.90
16629 406 BROWN 13.90
18922 407 CHARCOAL 13.90
20504 408 PLATINUM 13.90

Monokote Trim Sheets (5" x 36")

14109 101T MISSILE RED 1.95
14110 102T ORANGE 1.95
14111 103T PIPER YELLOW 1.95
14112 104T JET WHITE 1.95
14113 105T MUSTANG ALUM. 1.95

TOP FLITE continued...

		Retail
14114	106T INSIGNIA BLUE	1.95
14115	107T FORREST GREEN	1.95
14116	108T AZTEC GOLD	1.95
14117	109T MIDNIGHT BLACK	1.95
15792	120T DAY GLO RED	2,50
15793	121T DAY GLO ORANGE	2.50
16631	122T SKY BLUE	1.95
17880	123T CREAM	1.95
17881	124T MAROON	1.95
17882	125T CRYSTAL RED TR	1.95
19595	129T CHARCOAL	1.95
21777	130T BLUE MIST	1.95
21778	131T DARK RED	1.95

Sealing Tools

14131	HG773 HEAT GUN	32.95
16390	TSI-2 TRIM SEAL IRON	17.95
14132	MS-2 TOPFLITE IRON	22.95
15814	REPLCMENT SHOE - MS2	6.95
22233	HS-1 HOT SOCK	$2.95
20977	26001 MCP Cleanr/Polish	$5.95

Spot The winner with TWINN-K INC.

Glow Plugs

19027	4200 HOSE NOSE-IDLE CAP	4.00
11378	4215 1L RACING-LONG (12)	3.25
11377	4217 1S RACING-SHRT (12)	3.25
11380	4225 2L R/C-LONG (12)	3.25
11379	4227 2S R/C-SHORT (12)	3.25
11382	4235 3L SPORT-LONG (12)	2.20
11381	4237 3S SPORT-SHORT	2.20
11384	4245 4L RACING 2-LONG	3.25
11383	4247 4S RACING 2-SHORT	3.25

Fireplugs

11390	42371 FIREPLUG	39.00
11391	42321 CHARGER	17.00
11392	42372 FIREPLUG W/CHGR	52.50

1/10 Scale Sponge Tires

21600	0203-1 SLICK FRONT	10.00
21601	9725-1 SLICK REAR	12.50

WILLIAMS BROS. INC.

Scale Wheels in Diameter

		Retail
14667	126 1-1/4 " VINTAGE	1.49
14668	127 1-1/2 " VINTAGE	1.89
14669	128 1-7/8 " VINTAGE	2.95
14670	129 2-1/2 " VINTAGE	4.95
14671	130 3-1/8 " VINTAGE	7.65
14672	131 3-3/4 " VINTAGE	10.75
14673	132 4-3/8 " VINTAGE	12.59
14674	133 5 " VINTAGE	14.95
14675	136 3/4 " SMOOTH	1.10
14676	137 1 " SMOOTH	1.20
14677	138 1-1/4 " SMOOTH	1.49
14678	139 1-1/2 " SMOOTH	1.89
14679	140 2-1/4 " SMOOTH	3.99
14680	141 2-3/4 " SMOOTH	5.99
14681	142 3-1/4 " SMOOTH	7.99
14682	143 3-3/4 " SMOOTH	10.99
14683	144 4-1/2 " SMOOTH	15.25
14684	145 5-1/4 " SMOOTH	18.65
14688	149 1-1/2 " GOLDEN AGE	1.89
14689	150 1-7/8 " GOLDEN AGE	2.95
14690	151 2-1/2 " GOLDEN AGE	4.95
14691	152 3-1/8 " GOLDEN AGE	7.65
14692	153 3-3/4 " GOLDEN AGE	10.75
14693	154 4-3/8 " GOLDEN AGE	12.59
14694	155 5 " GOLDEN AGE	14.95

Scale Pilots

14703	170 1" MILITARY	1.35
14704	171 1.5" MILITARY	1.85
14705	172 2" MILITARY	2.35
14706	174 1" STD. SCALE	1.35
14707	175 1.5" STD SCALE	1.85
14708	176 2" STD. SCALE	2.35
14709	177 2-5/8" STD. SCALE	3.25
16524	625 3" SCALE STD	4.75
14710	178 1" RACING	1.35
14711	179 1.5" RACING	1.85
14712	180 2" RACING	2.35
14713	181 2-5/8" RACING	3.25

WILLIAMS BROS. continued...

		Retail
14714	182 1" SPORTSMAN	1.35
14715	183 1.5" SPORTSMAN	1.85
14716	184 2" SPORTSMAN	2.35
14717	185 2-5/8" SPORTSMAN	3.25

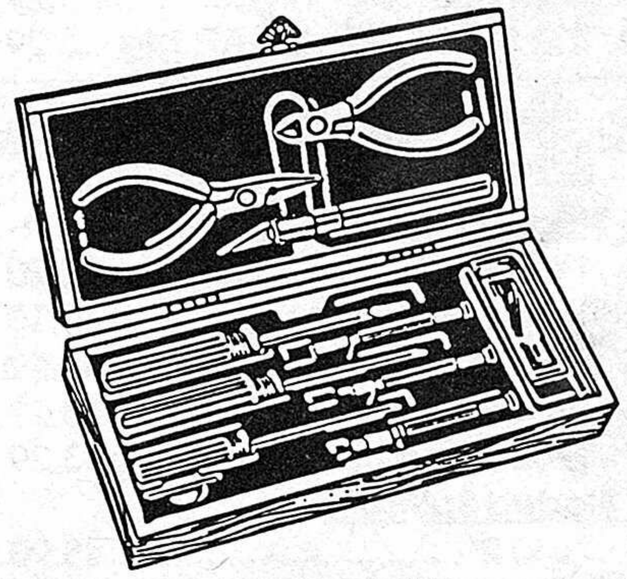
Wheel Pants

14695	156A 7' SLIM CONTOUR	5.25
14696	156B 7' OVAL BALLOON	5.25
14697	157 MIDGET MINNOW	5.99

X-ACTO

14160	226 #26 BLADE	2.50
24238	234 RAZOR SAW BLADE	1.89
24237	236 RAZOR SAW BLADE	2.39
24236	240 RAZOR SAW BLADE	4.50
24085	CUT ALL	2.25
24087	#1 KNIFE	1.95
23916	#19 BLADE	1.45
24084	#2 KNIFE	2.50
24086	#3 KNIFE	4.25
23918	#8R BLADE	1.45
24089	#8R KNIFE	1.10
24088	#9 RX	6.65
23917	#9 RX BLADE	4.15
23914	#22 BLADE	2.50
23915	#24 BLADE	1.30
23919	WD CARVING BLADE ASST	2.95
23920	WD CARVING #10 BLADE	2.30
23921	WD CARVING #16 BLADE	1.25

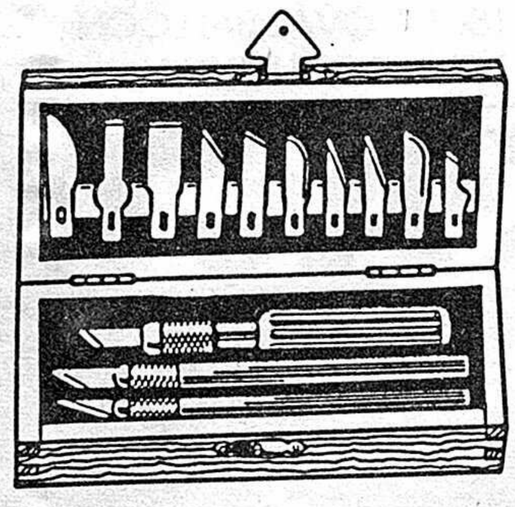
24090 WDCARVING KNIFE 5.40



21913 5088 R/C CAR SET 39.95

X-ACTO continued...

		Retail
14221	211#11 BLADE	1.20
14163	234 #34 SAW BLADE 3/4	1.89
14194	235 #35 SAW BLADE 1	2.09
14164	236 #035 SAW BLDE 1.25	2.39
14134	3001 #1 KNIFE IN TUBE	1.95
14137	3005 #5 KNIFE IN TUBE	3.30
14177	5081 KNIFE SET	9.50



14179	5082 KNIFE CHEST	10.95
14178	5083 DELUXE KNIFE SET	16.95
14166	611 #11 BLADE -BULK 100	16.30
21915	7068 JEWELER'S SCREWDRIVER 5 PC.	5.95
21914	75050 UTILITY PLIER DIAG. CUTTERS	8.25

ZAP/CA Adhesives

20170	428 PA 07 ZAP CA 2 OZ	9.99
20171	429 PT 01 ZAP A GAP 2 OZ	9.99
14786	430 PA 08 ZAP 28g	5.49
17820	431 PA 02 ZAP A GAP 28g	5.49
12331	432 PA 09 ZAP 14g	3.29
17819	433 PA 03 ZAP A GAP 14g	3.29

Zinger Products

Three-Bladed Props

20193	1703 8 x 6	$2.70
20194	1704 9 x 6	$3.10
20195	1700 10 x 6	$3.29
20196	1701 10 x 7.5	$3.29
20197	1702 10 x 8	$3.29

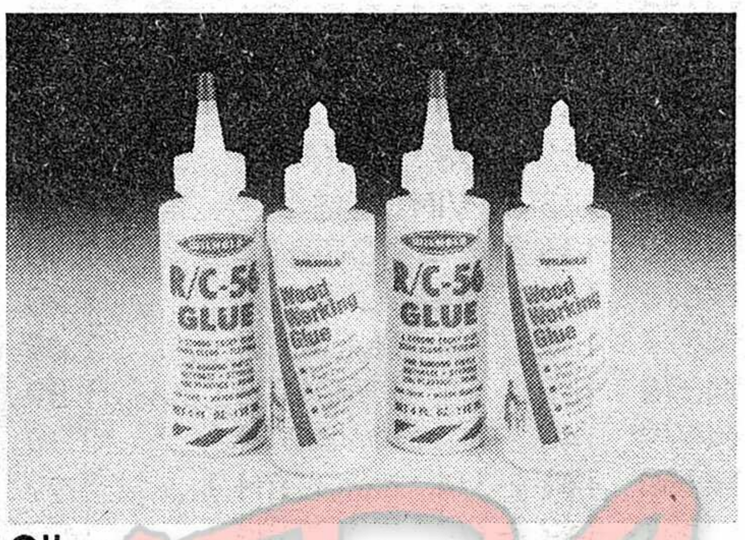
Three Bladed Spinners

20217	7030 2"	$5.90
20218	7031 2 1/4"	$6.90
20219	7032 2 1/2"	$7.90

ZINGER continued...

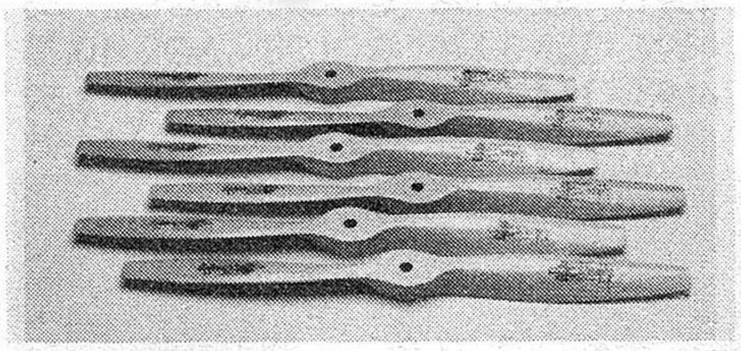
Scale Wheels

20200	4005 2"	$3.95
20201	4006 2 1/4"	$4.25
20202	4007 2 1/2"	$4.45
20203	4008 2 3/4"	$4.75
20204	4009 3"	$4.95
20205	4010 3 1/2"	$6.95



Other

21737	Wood Working Glue	$2.65
20199	4002 Gasoline Additive	$1.19
20220	6000 Prop Wrench	$3.15
20221	5003 2" Elevator Horn	$1.50
20222	5004 4" Elevator Horn	$1.90
21363	Willhold RC56	$3.15



Wood Props

12892	101 7 x 4	$1.55
12893	102 7 x 5	$1.55
12894	103 7 x 6	$1.55
12895	104 7 x 7	$1.55
12896	105 7.5 x 4	$1.60
12897	106 7.5 x 5	$1.60
12898	107 7.5 x 6	$1.60
12899	108 7.5 x 7	$1.60
12900	201 8 x 4	$1.65
12901	202 8 x 5	$1.65
12902	203 8 x 6	$1.65
12903	204 8 x 7	$1.65
12904	205 8.5 x 4	$1.70
12905	206 8.5 x 5	$1.70
12906	207 8.5 x 6	$1.70
12907	208 8.5 x 7	$1.70
12908	301 9 x 4	$1.75
12909	302 9 x 5	$1.75
12910	303 9 x 6	$1.75
12911	304 9 x 6W	$1.75
12912	305 9 x 7	$1.75
12913	401 10 x 4	$1.95

ZINGER continued...

		Retail
12914	402 10 x 5	$1.95
12917	403 10 x 6	$1.95
21834	P403 10 x 6 pusher	$3.18
12915	404 10 x 6W	$1.95
16673	405 10 x 6XW	$1.95
12916	406 10 x 7	$1.95
16674	407 10 x 8W	$1.95
12918	501 11 x 5	$2.20
12919	502 11 x 6	$2.20
12920	503 11 x 6W	$2.20
12921	504 11 x 7	$2.20
12922	505 11 x 7W	$2.20
12923	506 11 x 7.5	$2.20
16675	507 11 x 7.5W	$2.20
12924	508 11 x 8	$2.20
12925	601 12 x 4	$2.85
12926	602 12 x 5	$2.85
12927	603 12 x 6	$2.85
18400	604 12 x 8	$2.85
21917	608 12 x 10	$2.85
16676	701 13 x 5	$3.50
16677	702 13 x 6	$3.50
16678	703 13 x 8	$3.50
21918	704 13 x 10	$3.50
12928	801 14 x 4	$4.65
12929	802 14 x 5	$4.65
12930	803 14 x 6	$4.65
18401	804 14 x 8	$4.65
16679	901 15 x 6	$6.85
16680	902 15 x 8	$6.85
16681	903 15 x 10	$6.85
12931	1001 16 x 5	$10.10
12932	1002 16 x 6	$10.10
12933	1003 16 x 8	$10.10
12934	1004 16 x 10	$10.10
12935	120118 x 5	$14.20
12936	1202 18 x 6	$14.20
12937	120318 x 8	$14.20
12938	1204 18 x 10	$14.20
18402	1205 18 x 12	$14.20
18403	1206 18 x 14	$14.20
12939	1401 20 x 6	$16.40
12940	1402 20 x 8	$16.40
12941	1403 20 x 10	$16.40
18404	1406 20 x 11	$16.40
12942	1601 22 x 6	$18.60
12943	1602 22 x 8	$18.60
12944	1603 22 x 10	$18.60
12945	1801 24 x 6	$20.80
12946	1802 24 x 8	$20.80
12947	1803 24 x 10	$20.80

Progressive Pitch Props

21193	607 12 x 6 x 10	$2.85
21192	706 13 x 6 x 10	$3.50
21191	805 14 x 6 x 10	$4.65
21919	807 14 x 7 x 13	$4.65

WORLDTEX & SOLARFILM

WorldTex is a fabric based iron-on covering material. It is designed to be extremely strong and easy to apply. Due to it's woven characteristics, it goes around complex compound surfaces without wrinkling. Amazing strength is also another great feature.

Solarfilm is an extremely light weight iron-on covering. It's low heat requirements allow it to adhere to the styrofoam and foamboard materials used in many of kits on the market today.

Both WorldTex & Solarfilm are available in a multitude of colors and varieties to suit every modeler's needs for easy to use, durable, and lowcost iron-on covering material

All of these products are available exclusively from World Engines and our dealers nationwide.
For more information, call us. Send $1.00 for our catalog of fine products

ROBINHOOD 99

This is our biggest and most popular kit. It easily qualifies for most quarter scale contests. The RH-99 has very gentle flight characteristics and can perform an amazing amount of barnstormers' manuevers.

Wingspan - 99 inches, Weight - 20-24 pounds, Engine - 2.0-3.5 2 cycle, Radio - 4 channel

COSMO 40

This is a great model for someone who is looking either for a stable flying beginner's plane or a good, all-around sport plane. The kit contains high quality balsa & plywood and comes with most of the hardware.

Wingspan - 61 inches, Weight - 5-5.5 pounds, Engine - 40-51 2 cycle, Radio - 4 channel

ROBINHOOD 80

The Robinhood 80 is a 'spoof-scale' version of the Curtis Robin built back in the 1920's. The RH-80 kit is entirely made from the best balsa, plywood, and spruce. This is a great airframe for the two Maloney engines (M-100 & M-125).

Wingspan - 80 inches, Weight - 10-12 pounds, Engine - 1.00-1.25 2 cycle, Radio - 4 channel

World Engines now has a TOLL-FREE, ORDERS ONLY phone line.

1-800-332-4359

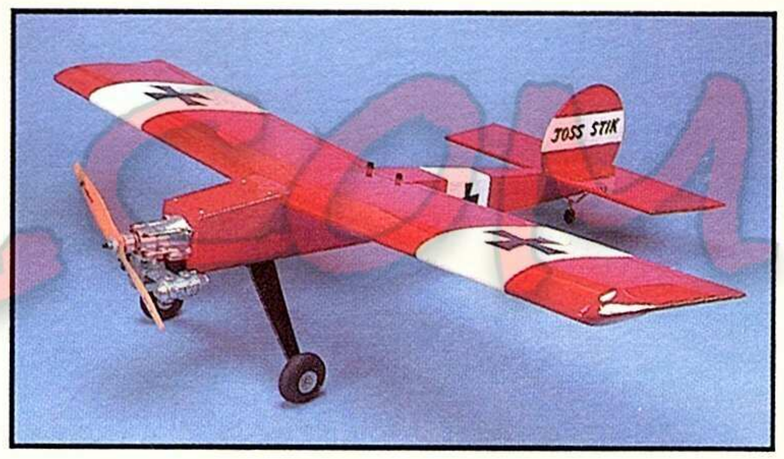
For customer assistance & information, please use (513) 793-5900.

DEALERS INQUIRIES ARE WELCOME!

DRAGONLADY

The Dragonlady is just one of a whole line of kits in the Modeltech line. It has the great looks of a 1930's style racer and comes 85% prebuilt.This kit was specially designed to take our Maloney 100 & Maloney 125 engines.

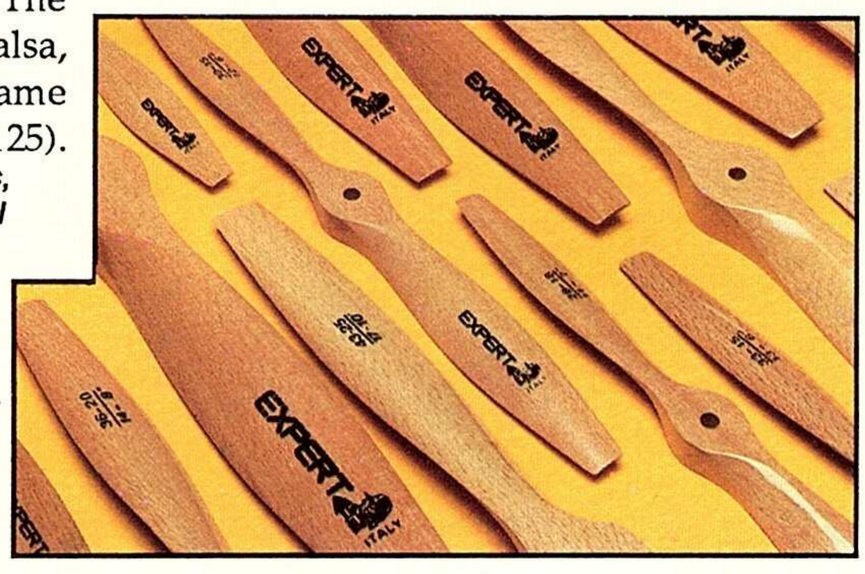
Wingspan - 60 inches, Weight - 9-12 pounds, Engine - .60-1.25 2 cycle, Radio - 4 channel



JOSS STIK

Modeltech has designed a very nice 'Stik" model for the bigger engines on the market. It was orignally designed for a Maloney 100 or Maloney 125, but will accept a wide range of two and four stroke engines. The Joss Stik comes 85% pre-built and includes most of the hardware needed in construction.

Wingspan - 51 inches, Weight - 9-9.5 pounds, Engine - .75-1.25 2 cycle, Radio - 4 channel



EXPERT PROPS

Our Expert series props are the best available. In tests against other brands, Expert props always came out on top. They are available in most popular sizes.

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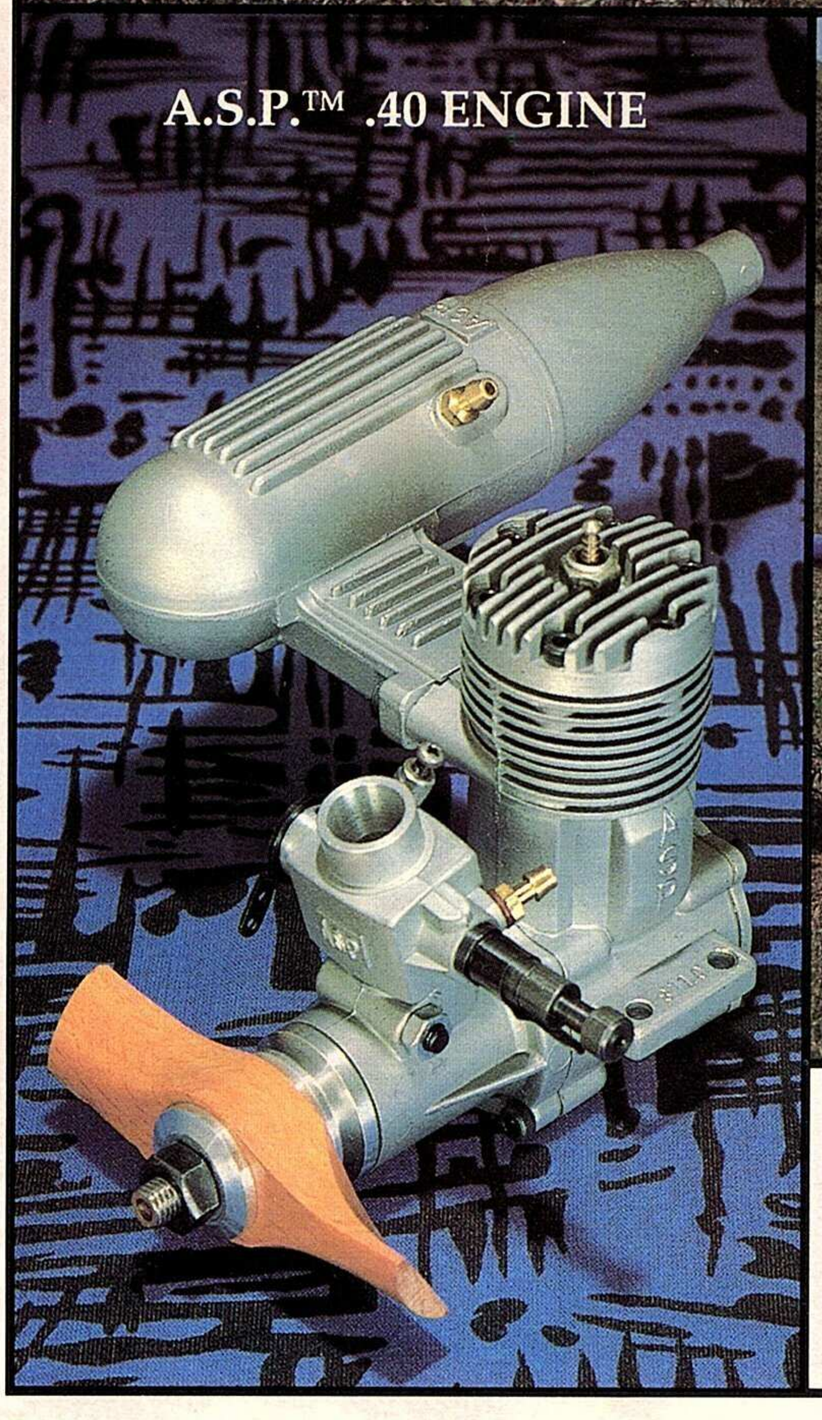

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WORLD ENGINES INC.

8960 Rossash Road, Cincinnati, Oh. 45236

Orders: 1-800-332-4359, Info: (513) 793-5900

The Order Card

DEALER NO. _____

CREDIT CARD NO.

NAME

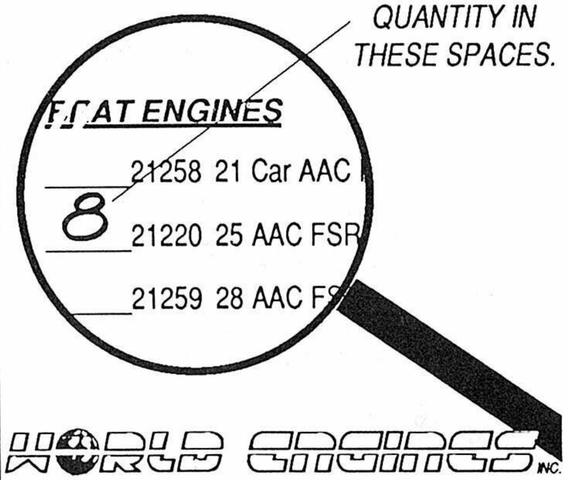
ADDRESS

CITY, STATE, ZIP

PHONE

To order any item on this card, write in the quantity desired on the line to the left of the World Engines five digit number. Then send the card pack to us and we will process your order.

WRITE THE QUANTITY IN THESE SPACES.



WORLD ENGINES INC.

8960 ROSSASH ROAD
CINCINNATI, OHIO 45236
ORDERS ONLY: 800-332-4359
INFORMATION: 513-793-5900

EXCLUSIVE Lines

EXPERT SYSTEMS
FM System, Expert Parts, Accessories, & Servos

_____	21168	7 Channel with 4 servos	$339.95
_____	24906	Model 1, 7 Channel with 4 servos	$339.95
_____	21733	Crystal filter receiver	$69.95
_____	21430	Tx Module withRx Crystal	$49.95
_____	21465	Receiver Battery Pack	$16.95
_____	21466	Switch Harness	$7.50
_____	21453	Battery Charger (Tx & Rx)	$12.00
_____	21464	Expert Neck Strap	$5.95
_____	21429	Fuse	$0.50
_____	21454	S-25 Servo Hardware Pack	$1.50
_____	21455	S-25 Servo Gear Set	$1.75
_____	21456	S-25 Servo Case	$2.20
_____	22605	S-25X servo case	$2.20
_____	22606	S-25X servo gear set	$2.20
_____	21468	S-25 Servo Tray 2+1	$3.50
_____	21469	S-25 Servo Tray 2 Window	$2.50
_____	21522	S-25 Tray set (3+2)	$5.75
_____	21459	S-25 Servo output arm	$0.80
_____	21460	S-25 Connector with wire	$1.25
_____	21894	S-25 Accessory pack	$2.95
_____	21461	Y Connector	$5.95
_____	21462	12" Extension	$4.50
_____	21463	24" Extension	$5.00
_____	21515	S-16 w/Expert	$74.95
_____	18299	S-16 w/Futaba	$74.95
_____	17678	S-16 w/Molex	$74.95
_____	21881	S-22a w/ mini f/p conn.	$43.00
_____	21274	S-25 w/Expert	$29.95
_____	21344	S-25 w/Futaba	$34.95
_____	11402	S-25 BBw/Expert	$39.95
_____	11403	S-25 BBw/Futaba	$44.95
_____	21705	S-29 w/Expert	$27.95
_____	21885	88MG servo w/Expert	$56.95
_____	21886	88MG servo w/Futaba	$58.95

Older AM Receivers Batteries, & Chargers

_____	17705	Mark 2-10 7 channel	$59.95
_____	18435	Pup - 4 channel	$59.95
_____	21597	Mini flight pack (no batt)	$88.00
_____	17688	.500 Ah batt. w/Molex	$16.95
_____	21516	1.6Ah batt. w/Expert	$21.75
_____	17691	1.6Ah batt. w/Molex	$21.75
_____	17669	.500 Ah Charger	$14.95
_____	17918	1.6 Ah Charger	$14.95

A.S.P. ENGINES

_____	21921	A.S.P. .40 w/m	$95.00
_____	22608	A.S.P. .46 w/m	$NPA

BRAT ENGINES

_____	21258	21 Car AAC FSR w/m	$69.95
_____	21220	25 AAC FSR w/m	$59.95
_____	21259	28 AAC FSR w/m	$69.95
_____	21260	28 Heli AAC FSR w/m	$72.95

MALONEY ENGINES

_____	21420	M-125 mag ign.	$229.95

TARTAN ENGINES

_____	16292	Single Glow	$175.00
_____	17664	Single Ignition	$285.00
_____	17716	Twin Glow	$475.00
_____	17786	Twin Ignition	$625.00
_____	20173	Super Single Glow	$185.00
_____	20174	Super Single Ignition	$295.00
_____	19999	Super Twin Glow	$575.00
_____	20172	Super Twin Ignition	$695.00

ZENOAH ENGINES

_____	19274	G-23	$315.95
_____	19161	G-38	$299.95
_____	20955	G-62	$459.95

BALSAWOOD
36" Strips

_____	13146	1/8 x 1/8	$0.27
_____	13148	1/8 x 1/4	$0.40
_____	13151	3/16 x 3/16	$0.40
_____	13155	1/4 x 1/4	$0.50
_____	13157	1/4 x 1/2	$1.00
_____	13161	1/2 x 1/2	$1.30

36" Sheets

_____	13166	1/4 x 1	$1.00
_____	13167	3/8 x 1	$1.35
_____	13179	1/16 x 3	$1.10
_____	13180	3/32 x 3	$1.30
_____	13181	1/8 x 3	$1.50
_____	13182	3/16 x 3	$1.85
_____	13183	1/4 x 3	$2.30
_____	13189	3/32 x 4	$1.90
_____	13190	1/8 x 4	$2.15

48" Strips

_____	14987	1/4 x 1/4	$0.60
_____	18780	3/16 x 3/16	$0.50

PLYWOOD
1/64"

_____	13220	6 x 12	$1.90
_____	11920	12 x 12	$2.65
_____	11919	12 x 24	$5.90

1/32"

_____	11895	6 x 12	$1.60
_____	13227	12 x 24	$4.90

1/16"

_____	13222	6 x 12	$1.70
_____	13228	12 x 24	$5.00

3/32"

_____	13223	6 x 12	$2.00
_____	13229	12 x 24	$6.50

1/8"

_____	13224	6 x 12	$2.25
_____	13230	12 x 24	$7.10

3/16"

_____	13225	6 x 12	$2.25
_____	13231	12 x 24	$6.25

1/4"

_____	13226	6 x 12	$2.35
_____	13232	12 x 24	$6.50

EXPERT PROPS

_____	20147	9 x 6	$1.45
_____	20148	10 x 6	$1.59
_____	21602	10 x 7	$1.59
_____	10481	11 x 6	$1.79
_____	20149	11 x 7	$1.79
_____	20150	11 x 7.5	$1.79
_____	10482	11 x 8	$1.79
_____	10483	11 x 9	$1.79
_____	20385	12 x 6	$2.50
_____	20386	12 x 9	$2.50
_____	20388	13 x 6	$3.20
_____	20389	13 x 8	$3.20
_____	20151	14 x 6	$3.90
_____	20152	14 x 8	$3.90
_____	20387	14 x 10	$3.90
_____	20390	15 x 8	$5.90
_____	20153	15 x 10	$5.90
_____	20391	16 x 6	$8.90
_____	20154	16 x 8	$8.90
_____	20155	16 x 10	$8.90
_____	20156	17 x 10	$9.90
_____	20157	18 x 6	$11.75
_____	20158	18 x 8	$11.75
_____	20159	18 x 10	$11.75

March edition

_____	20160	20 x 8	$13.50
_____	20161	20 x 10	$13.50

MODELTECH KITS
Already Built Kits & Parts kits

_____	20145	Angel 1600 glider	$70.41
_____	20379	Angel 2000 glider	$103.53
_____	21835	Bullet	$224.95
_____	20274	Calypso	$213.64
_____	20462	Cap 21 (.40)	$170.90
_____	20544	Cap 21 (.40) canopy	$3.95
_____	21179	Cap 21 (.40) landing gear	$16.00
_____	21178	Cap 21 (.40) wing kit	$85.45
_____	21145	Cap 21 (72")	$288.45
_____	21510	Cap 21 (72") canopy	$7.95
_____	21509	Cap 21 (72") cowl	$16.70
_____	21652	Cap 21 (72") landing gear	$19.95
_____	21888	Cap 21(72") wheel pants	$3.25
_____	21889	Cap 21 (72") tailwheel assm.	$6.95
_____	21349	China Clipper	$89.95
_____	20380	Condor glider	$92.85
_____	21350	Dragon Lady	$224.95
_____	21617	Dragon Lady cowl	$24.95
_____	21618	Dragon Lady wheel pants	$5.95
_____	21891	Dragon Lady tailwheel assm.	$6.95
_____	21332	Joss Stik	$159.95
_____	21717	Joss Stik landing gear	$24.95
_____	21892	Joss Stik tailwheel assm.	$6.95
_____	20144	Lark MK II glider	$91.78
_____	20142	Luckybird	$83.23
_____	20140	Lucky Stik	$106.85
_____	21351	Nutten Special	$274.95
_____	21718	Nutten Special cowl	$24.95
_____	21887	Nutten Special windshield	$1.50
_____	21890	Nutten Special tailwheel assm.	$6.95
_____	20141	Piper Cherokee	$103.53
_____	20543	Piper Cherokee canopy	$3.95
_____	21130	Trainer 40	$117.48
_____	21321	Trainer 40 aileron kit	$7.95

SOLARFILM

_____	19276	White	$8.50
_____	19277	Yellow	$8.50
_____	19278	Orange	$8.50
_____	19280	Red	$8.50
_____	19281	Black	$8.50
_____	19282	Transparent Yellow	$8.50
_____	19283	Transparent Orange	$8.50
_____	19284	Transparent Red	$8.50
_____	19286	Metallic Green	$8.50
_____	19287	Metallic Blue	$8.50
_____	19288	Metallic Red	$8.50
_____	19289	Metallic Gold	$8.50
_____	19290	Lux Blue	$8.50

WORLDTEX

_____	19162	White	$14.95
_____	19163	Red	$14.95
_____	19164	Blue	$14.95
_____	19165	Yellow	$14.95
_____	19166	Orange	$14.95
_____	19167	Antique	$14.95
_____	20321	Natural	$14.95
_____	20322	Olive Drab	$14.95
_____	21050	Black	$14.95
_____	20323	Transparent Vintage Red	$14.95
_____	20324	Transparent Vintage Blue	$14.95
_____	20325	Transparent Vintage Yellow	$14.95

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EXPERT EXTRAS

20335	Heat Seal Iron	$20.95
20334	Heat Gun	$27.95
21736	Power panel	$34.95
21716	Hand Pump (nitro)	$10.95
11225	Razor Blades (100 per box)	$7.50
20972	CAP-21 Tie-Tac (no disc.)	$3.95
15753	W.E. Belt Buckle	$5.00

WORLD KITS

25287	NEW! ARF Black eagle (electric)	$134.95
21340	Cosmo 10	$24.95
21217	Cosmo 25	$39.95
21334	Cosmo 40	$59.95
21731	Cosmo 40 Hurricane	$59.95
21502	Enticer	$99.95
21732	Robinhood 63	$64.95
21333	Robinhood 80	$89.95
21519	Robinhood 80 cowl	$29.95
20310	Robinhood 99	$199.95
21745	ARF Sky Hunter	$149.95
21746	ARF Sharp	$189.95
21747	ARF Cherokee	$169.95
21720	Sweet 2400 electric	$125.00
21882	S-2400 ball bearing set	$17.95
21883	S-2400 Gear train w/bb	$49.95

HURRICANE CAR & PARTS

21845	Hurricane w/radio	$149.95
21847	pr-025 body & stickers	$9.20
21848	pr-027 rear wheel set	$7.40
21849	pr-010 motor gear set	$4.60
21850	pr-002 servo motor	$14.75
21851	pr-005 receiver antenna	$1.85
21852	pr-011 gear case	$5.55
21853	pr-026 front wheel set	$7.40
21854	pr-006 tx antenna.	$3.70
21855	pr-009 12V. charger	$8.05
21856	pr-012/013 bumper & support	$8.80
21858	pr-016 rx battery case	$3.25
21859	pr-022 on-off switch	$1.85
21860	pr-014 fibreglass chassis	$4.60
21861	pr-017 coil spring assy	$4.60
21862	pr-020 internal box frame	$4.60
21863	pr-023 i.c. board	$44.60
21864	pr-015 front arm set	$4.60
21865	pr-019 battery case	$3.70
21866	pr-024 speed control board	$13.80

NEW! MERCURY 4WD

10102	Ready to assemble kit	$224.95

ROCKBUSTER

Original Rockbuster cars and replacement parts

21331	Original Kit	$59.95
21343	Original Assembled	$71.95
21488	HA-F Front tires & hubs	$6.75
21489	HA-R Rear tires & hubs	$10.95
21497	RS-380-S motor	$8.65
21713	H/D Suspension kit	$16.95
21521	H/D knobby rear tires (2)	$5.95
21744	Hop-up kit	$19.95

Hopped-Up Rockbuster cars and replacement parts

21772	Hopped-Up Kit	$81.95
21719	Hopped-Up Assembled	$99.95
21784	RB6 Front wheel & tire (2)	$10.95
21785	RB7 Rear wheel & tire (2)	$12.75

Parts for Both Rockbuster & H-U Rockbuster

21782	RB3 Chassis & Bumper	$7.95
21486	Body and driver	$9.00
21483	HA-A (suspension pieces)	$6.50
21484	HA-B (gear box)	$4.80
21487	Speed controller	$6.75
21490	HB-E (gear set)	$3.50
21498	RS-540 motor	$15.10
21721	Nylon Counter gear (2)	$1.50
21491	Pinion gear set	$1.95
21492	Front and rear axles	$3.25
21493	Bags HB-A & HB-B	$1.95
21494	Bags HB-C & HB-D	$3.50
21495	HB-F (springs and rod)	$3.50
21496	Stickers and antenna rod	$3.50
21500	Speed control resistor	$2.50
21897	Front Shock kit	$19.99
21901	Small ball bearing	$2.95
21902	Large ball bearing	$2.50
21903	Ball bearing kit	$25.95
21916	4 way wrench	$1.10

R/C CAR EXTRAS

21335	7.2V Camel Pack battery	$23.95
21467	Flat NiCad Pack battery	$27.95
21348	Battery Adapter	$1.95
21347	DC Charger with timer	$17.95
21620	AC slow charger	$7.95
21727	Pro-Ace 1010 AC/DC	$74.95

DOMESTIC

A2D CO.

Computer Joysticks

18322	2002 Paddle	$27.79
18323	2001 Apple 2	$49.95
19242	3001 Apple 2e	$49.95
19243	4001 Tandy COCO	$49.95
21697	6001 Tandy 1000	$49.95

ALLIANCE

16367	No. 62 Rubber bands	$1.50
16334	No.64 Rubber bands	$1.50

ARISTO RADIOS

21055	302PX 2 ch., pistol grip	$77.95
21707	250 2 ch., 2 stick	$54.95
21642	4000 4 ch., 2 stick	$74.95

BLUE BIRD

20514	Engine Test Stand	$6.95

BOSS FUEL

14274	5% 1 gallon	$15.95
21638	10% 1 gallon	$19.25
14275	15% 1 gallon	$21.60

BUFFALO

21643	Touch-up Gun	$49.95
21645	Airbrush kit	$29.98

BURGESS

11317	1 1/2 Volt 410 Battery	$4.10

C&C

21053	Flag Decal	$3.98

CARL GOLDBERG

Kits & Accessories

10961	G-16 SENIOR FALCON	$109.99
13074	40 ELECTRA DELUXE	$69.99
12324	50 FALCON 56 MK II	$74.99
25284	675 TURBO 550 MOTOR/SWITCH HARNESS	$24.99
25404	676 PROP MOUNT FOR ELECTRA	$2.99
25405	677 20 AMP MOTOR FUSE	$1.99
10087	678 POWER POD UNIT	$23.99
13075	52 SUPER CHIPMUNK	$109.99
11573	54 VECTOR	$159.99
10960	59 SOPHISTICATED LADY (GLIDER)	$54.99
16698	60 GENTLE LADY	$34.99
17808	61 EAGLE 50	$54.99
18693	62 EAGLE 63	$79.99
13076	63 ANNIVERSARY CUB	$92.99
25210	296 CUBFLOATS	$39.99
13077	64 SKY TIGER	$79.99
13078	65 JUNIOR TIGER	$59.99

Hinges

23993	RK2-7 KLETT NYLON HINGES	$1.29
23996	104 KLETT HINGES	$0.69
24001	105 KLETT HINGES	$0.69
13071	200 PIN POINT HINGE (7) 6	$1.35
13072	201 IN POINT HINGE (15) 6	$2.50
13073	202 LG KLETT HINGE (15) 6	$3.69
12984	203 SMALL FLEX POINT HNG (6)	$1.40
12985	204 LG FLEX POINT HNG (6)	$1.40
12986	205 SMALL KLETT HNG (7) 6	$1.29
12987	206 SMALL KLETT HNG (15) 6	$2.29
12988	207 REG. KLETT HINGE (7) 6	$1.45
12989	208 REG. KLETT HINGE (15) 6	$2.75
13066	600 HINGE SLOTTING KIT (1)	$3.49
25335	601 REGULAR SLOTTING FORK BLADE	$0.59
25336	602 SMALL SLOTTING FORK BLADE	$0.59
25337	603 SLOTTING HOOK BLADE	$0.59
25338	606 CENTERING GUIDE	$1.29
25339	607 CENTER LINE MARKER	$0.59

Landing Gear Accessories

24002	144 ADJUSTABLE AXLE	$1.19
25192	250 NOSE GEAR RETRACT	$19.99
25193	251 TWIN GEAR RETRACT	$24.99
25194	252 TRI GEAR RETRACT	$39.99
25195	255 .20 LANDING GEAR	$9.99
25196	256 .40 - .60 LANDING GEAR	$14.99
25197	257 1/4 SCALE LANDING GEAR	$19.99
25198	260 3/32 STEERABLE NOSE GEAR	$2.99
25199	261 1/8 STEERABLE NOSE GEAR	$3.49
25200	262 5/32 STEERABLE NOSE GEAR	$3.49
13026	267 5/32 STEARABLE N/GEAR (1)	$4.49
25201	272 5/32 NOSE GEAR ADJUSTABLE	$2.49
25202	276 1/8I NOSEGEAR BEARING	$1.49
25203	277 5/32 NOSE GEAR BEARING	$1.39
25204	280 1/8 STEERING ARM	$0.99
25205	281 5/32 STEERING ARM	$0.99
25206	286 1/8 LANDING GEAR CLAMPS	$0.69
25207	287 5/32 LANDING GEAR CLAMPS	$0.69
25208	290 3/8 LANDING GEAR STRAPS	$0.69
25209	291 1/2 LANDING GEAR STRAPS	$0.69
13023	300 ADJUSTABLE AXLE	$1.19
25211	302 5/32 AXLE/NUT	$2.59
25212	303 1/8 AXLE W/NUT	$2.59
25406	304 5/32 LONG AXLE W/NUT	$3.49
25407	305 3/16 AXLE W/NUT	$3.49
13031	460 TAILWHEEL BRACKET (12)	$0.59
25295	490 1/16 WHEEL COLLARS	$0.99
25296	491 3/32 WHEEL COLLARS	$0.99
25297	492 1/8 WHEEL COLLARS	$0.99
25298	493 5/32 WHEEL COLLARS	$0.99
25299	494 3/16 WHEEL COLLARS	$0.99

ColorStripe

25213	800 1/18 YELLOW	$2.59
25214	801 1/18 RED	$2.59
25215	802 1/16 WHITE	$2.59
25216	803 1/16 BLACK	$2.59
25217	804 1/16 GOLD	$2.59
25218	805 1/16 BLUE	$2.59
25219	810 3/32 YELLOW	$3.19
25220	811 3/32 RED	$3.19
25221	812 3/32 WHITE	$3.19
25222	813 3/32 BLACK	$3.19
25223	814 3/32 GOLD	$3.19
25224	815 3/32 BLUE	$3.19
25225	820 1/8 YELLOW	$3.59
25226	821 1/8 RED	$3.59
25227	822 1/8 WHITE	$3.59
25228	823 1/8 BLACK	$3.59

March edition

25229	824 1/8 GOLD	$3.59
25230	825 1/8 BLUE	$3.59
25231	830 1/4 YELLOW	$4.29
25232	831 1/4 RED	$4.29
25233	832 1/4 WHITE	$4.29
25234	833 1/4 BLACK	$4.29
25235	834 1/4 GOLD	$4.29
25283	835 1/4 BLUE	$4.29

Ultracote

25242	870 WHITE	$11.99
25243	871 RED	$11.99
25244	872 YELLOW	$11.99
24063	873 DARK BLUE	$11.99
24260	874 BLACK	$11.99
25247	875 SKY BLUE	$11.99
24064	877 ORANGE	$11.99
24065	876 COCOA	$11.99
25250	878 CREAM	$11.99
24259	879 GOLD	$11.99
25252	880 GREEN	$11.99
24066	881 SILVER	$11.99

Video Tapes

25254	890 FLIGHT OF THE EAGLE VIDEO VHS	$39.95
25255	991 FLIGHT OF THE EAGLE VIDEO BETA	$39.95
25256	992 ELECTRA VIDEO VHS	$25.00
25257	993 ELECTRA VIDEO BETA	$25.00

Flight Boxes

10006	101 HANDI TOTE FLIGHT BOX	$24.99
14785	102 SUPER TOTE FLIGHT BOX	$44.99

Accessories

23994	107 PUSHROD GUIDE	$0.69
23985	290 SCUFF GUARD	$0.79
23995	246 AILERON COUPLER	$0.99
23997	275 80 DEGREE MOUNTING BRACKET	$0.79
23990	306 LONG T BOLTS	$0.89
25258	310 SNAP LINKS	$0.39
25259	311 MINI SNAP LINKS	$0.39
25260	320 MINI SNAP VALVE PACK	$0.99
25261	321 SNAP LINK VALVE PACK	$0.99
25262	330 SNAP LINK/ROD BAGGED	$1.39
25263	331 MINI SNAP/ROD BAGGED	$1.39
25264	340 SNAP LINK/ROD TUBED	$0.29
25265	341 MINI SNAP/ROD TUBED	$0.29
25266	350 LINK RODS	$0.89
25267	351 TRUE 1/16 PUSHRODS	$0.99
25268	359 1/16 THREADED COUPLER	$0.59
13052	360 PUSHROD CONNECTORS (2) (6)	$0.99
13053	361 SNAP KEEPER (4) 12	$0.69
25269	362 SNAP NUTS	$0.49
21996	363 AILERON COUPLER	$0.99
21991	370 LARGE PUSHROD EXIT GUIDE	$0.69
21992	371 SMALL PUSHROD EXIT GUIDE	$0.69
21993	372 LG HOODED PUSHROD EXIT GUIDE	$0.69
21994	373 SM HOODED PUSHROD EXIT GUIDE	$0.69
21995	374 AILERON PUSHROD EXIT GUIDE	$0.69
25276	401 1/16 STRIP AILERON HORN SET	$1.49
25277	402 3/32 STRIP AILERON HORN SET	$1.59
25278	403 1/8 STRIP AILERON HORN SET	$2.49
25279	411 3/32 ADJ. HORN BRACKET	$0.89
25280	412 1/8 ADJ. HORN BRACKET	$0.89
25281	420 AILERON BELLCRANKS	$0.79
25282	421 AILERON/ELEVATOR HORN BRNG	$0.69
25342	430 1/2A FLYING HANDLE & LINES	$1.59
25343	431 1/2 A FLYING LINES	$0.79
25344	432 1/2A BELLCRANK & HORN	$0.59
25285	440 LONG CONTROL HORN	$0.49
25286	441 SHORT CONTROL HORN	$0.49
13032	461 WING SKIDS (3) (12)	$0.79
22028	462 90 DEGREE MOUNTING BRACKET	$0.79
22029	463 FLAT HOLD DOWN	$0.99
22030	464 ANGLE HOLD DOWN	$0.99

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	25294	480 SCUFF GUARD	$0.99
	13064	481 1/4 R/C FOAM RUBBER	$1.79
	13065	482 1/2 R/C FOAM RUBBER	$2.49
	12979	620 ENGINE TEST STAND	$9.99
Nylon Tape			
	23988	264	$0.45
	23987	265	$0.99
	23986	266	$1.49
	21997	450 3/4	$0.79
	21998	451 2-1/2	$0.99
	21999	452 4	$1.49
	22000	453 6	$1.99
Sheet Metal Screws			
	25324	563 #2X3/8 SHEET METAL SCREW	$0.49
	25325	564 #3X1/2 SHEET METAL SCREW	$0.49
	25326	567 #4X3/8 SHEET METAL SCREW	$0.49
	25327	568 #4X1/2 SHEET METAL SCREW	$0.49
Socket Head Screws			
	25300	501 4-40X1/8	$0.69
	25301	502 4-40X1/4	$0.69
	25302	503 4-40X3/8	$0.69
	25303	504 4-40X1/2	$0.69
	25304	505 4-40X3/4	$0.69
	25305	506 4-40X1	$0.69
	25306	507 4-40X1-1/4	$0.89
	25307	508 4-40X1-1/2	$0.89
	25308	511 6-32X1/8	$0.99
	25309	512 6-32X1/4	$0.69
	25310	514 6-32X1/2	$0.69
	25311	515 6-32X3/4	$0.69
	25312	516 6-32X1	$0.69
	25313	517 6-32X1-1/4	$0.89
	25314	518 6-32X1-1/2	$0.89
	25315	524 8-32X1/2	$0.69
	25316	525 8-32X3/4	$0.69
	25317	526 8-32X1	$0.69
	25318	527 8-32X1-1/4	$0.79
	25319	526 8-32X1-1/2	$0.99
Pan Head Screws			
	25320	542 2-56X1/4	$0.59
	25321	544 2-56X1/2	$0.59
	25322	545 2-56X3/4	$0.69
	25323	546 2-56X1	$0.69
Fastening Accessories			
	25328	571 #4-40 BLIND NUTS	$0.49
	25329	572 #6-32 BLIND NUTS	$0.49
	25330	573 #8-32 BLIND NUTS	$0.49
	25332	579 1-1/4 J-BOLTS & NUTS	$1.49
	25333	585 1/4-20X2 NYLON BOLTS	$0.99
	25334	586 1/4-20X3 NYLON BOLTS	$0.99
	25340	610 LARGE SAFETY DRIVER	$1.45
	25341	611 SMALL SAFETY DRIVER	$1.45
Adhesives			
	14784	764 2 OZ. INSTANT JET	$9.99
	15003	776 3 OZ. JET SET	$4.99
	15201	781 1 OZ. JET DE SOLV	$3.29
	15861	762 1/2 OZ. INSTANT JET	$3.29
	16484	767 1/2 OZ. SUPER JET	$3.29
	17554	769 2 OZ. SUPER JET	$9.99
	18430	763 1 OZ. INSTANT JET	$5.29
	10046	789 JET PAK (TIPS & CAPS)	$3.29
	10047	782 PLASTIC JET	$2.99
	10048	783 GEL JET	$2.99
Plastic Spinners			
	12994	124 1/12 WHITE SPINNER	$2.29
	12995	125 1 1/2 BLACK SPINNER	$2.29
	12996	126 1 1/2 RED SPINNER	$2.29
	12997	127 1 1/2 YELLOW SPINNER	$2.29
	12998	128 1 1/2 BLUE SPINNER	$2.29
	12999	131 1 3/4 WHITE SPINNER	$2.99
	13000	132 1 3/4 BLACK SPINNER	$2.99
	13001	133 1 3/4 RED SPINNER	$2.99
	13002	134 1 3/4 YELLOW SPINNER	$2.99
	13003	135 1 3/4 BLUE SPINNER	$2.99
	13004	138 2 WHITE SPINNER	$3.59
	13005	139 2 BLACK SPINNER	$3.59
	13006	140 2 RED SPINNER	$3.59
	13007	141 2 YELLOW SPINNER	$3.59
	13008	142 2 BLUE SPINNER	$3.59
	13009	145 2 1/4 WHITE SPINNER	$3.99
	13010	146 2 1/4 BLACK SPINNER	$3.99
	13011	147 2 1/4 RED SPINNER	$3.99
	13012	148 2 1/4 YELLOW SPINNER	$3.99
	13013	149 2 1/4 BLUE SPINNER	$3.99
	13014	152 2 1/2 WHITE SPINNER	$4.19
	13015	153 2 1/2 BLACK SPINNER	$4.19
	13017	155 2 1/2 YELLOW SPINNER	$4.19
	13018	156 2 1/2 BLUE SPINNER	$4.19
	13016	154 2 1/2 RED SPINNER	$4.19
COLUMBIA Modelcraft			
	21052	Bubble Free Trim	$7.00
COVERITE			
	12401	Balsa Rite 1/2 pint	$3.80
	15712	Balsa Rite 1 pint	$6.95
COX			
	12408	Pee Wee .020	$19.75
	12414	Tee Dee .020	$37.15
	12413	Black Widow .049	$23.35
	16193	R/C Bee .049	$20.70
	12415	Tee Dee .049	$38.20
	12416	Tee Dee .051	$38.20
	12417	Tee Dee .09	$44.00
CURTIS			
	21706	Long John airplane kit	$99.98
DAE ENTERPRISES			
	12158	7500 Mini power panel	$21.95
	12160	7605 Series 4 powerpanel	$21.95
	12161	7405 Dual Range	$31.95
	12162	7900 Glow start	$31.95
DAVE BROWN PRODUCTS			
Gear Sets			
	12482	Tri	$85.95
	12483	Main	$55.95
	12484	Nose Gear	$32.95
	20956	Tri Struts	$4.50
	18511	Replacement Bearings	$2.25
Covering and Other			
	18510	Trim Seal	$0.98
	16666	Skyloft (3 Yards)	$3.25
	16667	Micro Ballons (1.25 oz.)	$2.95
	17810	Carbon Fibre Tape	$4.95
	17458	Universal Tuned Pipe Mount	$2.95
	17809	Fibreglass Pushrod System	$5.95
	18509	Pushrod end Fittings	$0.98
R/C Computer Simulations			
	20283	Airplane Combo (Apple)	$139.95
	20319	Airplane Program (Apple)	$49.98
	21088	Airplane Combo (Comdr)	$139.95
	21089	Airplane Program (Comdr)	$49.98
	21739	Airplane Combo (IBM)	$152.95
	21740	Airplane Program (IBM)	$53.95
	21904	Airplane Combo (Tandy)	$139.95
	20890	Helicopter Combo (Apple)	$139.95
	20891	Helicopter Program (Apple)	$49.98
	21091	Helicopter Combo (Comdr)	$139.95
	21092	Helicopter Program (Comdr)	$49.98
	21905	Helicopter Combo (Tandy)	$139.95
	20320	Dual Joystick Unit (Apple)	$99.95
	21090	Dual Joystick Unit (Comdr)	$99.95
	21089	Dual Joystick Unit (IBM)	$109.95
	21906	Dual Joystick Unit (Tandy)	$109.95
Lite Flite Wheels			
	21655	WH15-5515 1-1/2"	$3.25
	21589	WH17-5517 1-3/4"	$3.50
	21590	WH20-5520 2"	$3.75
	21591	WH22-5522 2-1/4"	$4.00
	21592	WH25-5525 2-1/2"	$4.25
	21593	WH27-5527 2-3/4"	$4.50
	21594	WH30-5530 3"	$4.75
	21595	WH32-5532 3-1/4"	$5.00
	21596	WH35-5535 3-1/2"	$5.25
	21657	WH40-5540 4"	$8.95
	21658	WH45-5545 4 -1/2"	$10.95
	21659	WH50-5550 5"	$12.95
	21660	WH55-5555 5-1/2"	$14.95
	21661	WH60-5560 6"	$16.95
Motor Mounts, Epoxy/Glue & Other			
	16826	0405 .049-.051	$1.95
	16827	1011 .090-.11	$2.25
	16828	1519 .15-.19	$2.35
	16829	2025 .20-.25	$2.45
	21907	2025L .20-.25	$2.75
	16830	3035 .30-.35	$2.65
	16831	4045.40-.46	$2.75
	16832	5060 .50-.61	$3.25
	17596	4045 Long	$3.00
	21908	6004	$4.25
	16833	6070 G60-X60-O.S.60FSR	$3.25
	21909	9004	$5.50
	21910	1204	$5.50
	12486	Sorghum 7 oz.	$3.25
	12487	Flex-All 4 oz.	$2.95
	16747	30 min. Mix-A-Matic 10 oz.	$8.95
	18834	6 min. Fast Matic	$9.95
	17343	Cordless Pack w/battery	$59.95
	17344	Cordless Pack	$9.95
	17345	Starter Pack Charger	$9.95
	12485	Six Shooter Pump Nitro	$11.95
	16616	Six Shooter Pump Gas	$11.95
	17935	Replacement Hose Nitro	$2.95
	17936	Replacement Hose Gas	$2.95
DAVIS DIESEL			
	11597	A-40K ASP 40	$44.95
	24503	B-25K BRAT.25FSR AIRCRAFT SHUTTLE	$39.95
	24514	C-40KU COMO .40, 51 RING, ABC	$46.95
	24488	C-5/HD COX .049 REED VALVE + HDC-5	$24.95
	24487	C-5/S COX TD/MED .049/.051 + SS-5	$19.95
	24557	D-5-15 FOR C-5 HDC	$1.00
	24558	D-5-20 FOR C-55 OR C-5K	$1.00
	24548	DFLM DIESELINE FUEL TUBING (2 FT)	$1.50
	24562	DG-CABC GAL.CNCENTRT.SAME AS DG-ABC	$39.95
	24561	DG-CST GAL.CONCENTRATE SAME /DG-STD	$39.95
	24563	DG-CT GAL.CONCENTRATE SAME AS DG-T	$39.95
	11620	DQ-1/2A QT. COX 049/51-M10K-FOR.DIE	$10.95
	24560	DQ-ABC QT.CONCENTRATE ABC, AAC, &.90S	$14.95
	24559	DQ-STD QT.CONCENTRATE, .15-.40 PLBRG	$14.95
	24554	DVB-15 CYL.DEVARNISHING BRUSH.15-25	$4.50
	24555	DVB-40CYL.DEVARNISHING BRUSH.28-50G	$5.00
	24553	DVB-5CYL.DEVARNISHING BRUSH.049-10G	$4.00
	24556	DVB-60CYL.DEVARNSHNG BRUSH.60-1.08G	$5.50
	11618	E-45X ENYA 45X, CS, H	$46.95
	24523	E60K ENYA .60X, H	$49.95
	24491	F-15K FOX.15 8.8.WITH HEAD GASKET	$35.95
	24521	F-45K FOX.45 8.8(BIG CASE)W/HD GSKT	$46.95
	24524	F-60K FOX EAGLE II, III W/HD GASKET	$49.95
	24544	FTR-8K TEFLON REED & B/PLT GASK.SET	$2.95
	24545	HDC-5 HVY DUTY C/SHAFT .049 REED EN	$12.95
	11616	K-20S K&B SPORT 20 W/HD ROD/GASKET	$39.95
	11617	K-45S K&B SPORT 45 W/HD ROD	$46.95
	24538	M-1.08K O.S. MAX 1.08 FSR	$62.95
	24490	M-10FK 10 FP	$33.95
	24489	M-10K O.S. MAX .10 FSR	$33.95
	24501	M-25K O.S..25 FSR, FP, SHUTTLE	$39.95
	24502	M-25KA O.S.MAGNUM, 25FSR, ABC, SHUTTLE	$39.95
	24504	M-28K O.S., BRAT.28FSR AIR/SHUTTLE	$39.95
	24505	M-28KC O.S.MAX 28 CRICKET(HELICOPTR	$44.95
	24506	M-28KS O.S.MAX 28 SHUTTLER(HELI)	$39.95
	24511	M-40K O.S., ROYAL, T.T., 40FSR, ABC, H	$44.95
	24518	M-45K O.S., ROYAL, T.T., 45FSR, ABC, H	$45.95
	11619	M-46SF O.S. 46SF	$46.95
	24522	M-50K O.S. MAX .50 FSR, H	$48.95
	24525	M-60K O.S.MAX .60/61FSR, VF, ABC, H	$49.95
	24526	M-61LK O.S.MAX .61 LONG STROKE	$52.95
	24535	M-90K O.S.MAX .90 FSR	$59.95
	11598	ML-100K MALONEY 100 W/CARB ADAPTER	$77.95
	11599	ML-125K MALONEY 125 W/CARB. ADAPTER	$77.95
	24551	PCM-5PIST&CYL.MAINT.KIT PRK-5+DVB-5	$10.00
	24550	PDS-12POCKET DRILL SET W/12DR.50-80	$12.95
	24517	R-40K ROSSI .40	$46.95
	24531	R-60K ROSSI .60/.61 ABC, RING	$52.95
	24533	R-65K ROSSI .65 ABC, RING	$52.95
	24507	S-29K SUPERTIGRE 29X, COMO.29X	$42.95
	24513	S-40KU ST.40, .45, S/G, BULLRING.40.46	$46.95
	24543	SS-5 SPRNG STRTR TD.049, O.S.10, ST11	$4.95
	24530	ST-60K SUPERTIGRE G60 ABC, RING	$49.95
	24532	ST-61S SUPERTIGRE, COMO S61, X60	$52.95
	24534	ST-75X SUPERTIGRE, COMO S.75/.90	$56.95
	24539	ST2000K SUPERTIGRE 2000, 2500	$65.95
	24541	ST3000K ST 3000 (ORDER 2 FOR TWIN)	$65.95
	24540	T-1.34K TARTAN STD (ORDER 2 FOR TWN	$65.95
	24546	TW-5 CYL.TIMING SHIM, HIGHER PWR GLO	$1.00
	24528	W-60K WEBRA .61 SPEED, ABC	$49.95
	24537	W-91K WEBRA .91	$59.95
DU-BRO			
Devcon Epoxy Glues			
	12492	S-205 5 min. 1 oz.	$2.69
	12493	S-206 5 min 2 1/2oz.	$4.69
	12495	S-208 Dev Tube 2/1 1 oz.	$2.99
	12496	S-209 5 min 9 oz.	$10.89
	12497	S-33 30 min 9 oz.	$10.89
	12498	S-180 30 Second Contact	$1.69
	12499	S-250 Silcone	$3.89
	12501	S-360 Super Lock Adhesive	$1.99
Control Hook-Up Accessories			
	12504	102 Nylon Steel Control Rod	$1.59
	12505	103 Aileron Horn Connector	$0.90
	12506	104 Strip Aileron w/bearings	$1.00
	12507	105 Long Nylon Horns	$0.49
	12508	106 Kwik-Links	$0.55
	12509	107 1/2A Control Horns	$0.49
	12511	109 Kwik-Link Clevis	$0.75
	12510	108 Kwik Link 12"	$0.55
	12513	111 Threaded Couplers	$0.55
	12514	112 Solder Links	$0.69
	12515	113 Mini Ny-Steel Pushrod	$1.59
	12516	114 Servo Mounting hrdware	$1.35
	12517	115 20 Rubber Grommets	$1.00
	12518	116 Nylon Hinge (6)	$1.25
	12519	117 Nylon Hinge (3)	$2.69
	12520	118 Small Nylon Hinge (6)	$1.15
	12521	119 Small Nylon Hinge (3)	$2.15
	12522	120 Servo Saver	$1.10
	12523	121 New E-Z Connector	$0.98
	12524	122 Std. Nylon Kwik-Link	$0.39
Mounting Bolts (M/B) & Other			
	12527	125 2/56 x 1/2 M/B w/nut	$0.60
	12528	126 3/48 x 3/4 M/B w/nut	$0.60
	12529	127 4-40 x 1-1/4 M/B w/nut	$0.65
	12530	128 6-32 x 1-1/4 M/B w/nut	$0.65
	12531	129 4-40 x 1 Soc M/B w/nut	$1.25
	12532	130 6-32 x 1 Soc M/B w/nut	$1.25
	12533	131 2-6" Wrenches	$1.25
	12537	135 4-40 Blind Nuts	$0.45
	12538	136 6-32 Blind Nuts	$0.49
	12539	137 1/16" Dura Collars	$0.89
	12540	138 3/32" Dura Collars	$0.89
	12541	139 1/8" Dura Collars	$0.89

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____12542	140 5/32" Dura Collars	$0.89
____12543	141 3/16" Dura Collars	$0.89
____16825	142 1/4 x 20 Nylon Bolts	$1.00
____12549	147 Kwik-Glo Engine Cord	$2.50
____20542	337 Kwik Klip 2	$5.95
____12553	151 Kwik Klip with Cord	$1.55
____12554	152 Nose Gear	$3.25
____12555	153 Steerable Nose Gear	$3.25
____12556	154 Univ. Nose Gear	$1.00
____12557	155 Long Steer Arm w/con.	$1.40
____12560	158 Gear straps	$0.50
____12561	159 Wing Bolt Set Nylon	$1.40
____12562	160 Prop Balancer	$3.25
____12563	161 Tank Filter	$1.30
____12564	162 Final Filter	$1.95
____12565	163 Foam Tape	$0.98
____12566	164 10-32 x 2" Nylon Bolts	$1.00
____12567	165 20" throttle Flex Cable	$1.59
____12568	166 Long Steering Arm	$0.90
____12569	167 90° Bellcranks	$0.75
____21647	365 Field Box	$69.95
____12572	170 Lock Nuts 4-40	$ 1.25
____12573	171 Lock Nuts 6-32	$ 1.25
____12574	172 12" Threaded Rods	$0.20
____12575	173 30" Threaded Rods	$0.40
____12586	184 5-12 Rods w/N Kwik Link	$1.59
____12587	185 5-12 Rod w/Kwik Link	$2.50
____17995	144 12" 4-40 Threaded Rod	$0.25
____18001	145 30" 4-40 Threaded Rod	$0.50
____20474	306 4-40 Kwik Link/Rod	$0.75
____12578	176 4-40x2 Bolt w/Locknut	$0.60
____12579	177 6-32x1 Bolt w/Locknut	$0.60
____12580	178 Hex Bolt w/Locknut 4-40	$1.25
____12581	179 Hex Bolt w/Locknut 6-32	$1.25
____12583	181 Threaded Ball Link	$0.95
____12585	183 Aileron Connectors	$1.10
____12590	188 Ball Link Sockets	$1.10
____12591	189 Aileron Horn Ball Link	$1.95
____12592	190 Threaded Ball Link	$0.95
____12593	191 Fuel Pump	$11.95
____12594	192 Fuel Can Cap Fittings	$1.95
____18000	201 Brass Rigging Couplers	$1.35
____17999	202 Steel Straps (4)	$1.00
____12595	203 Kwik Switch Mount	$2.00
____17998	205 4-40 Steel Rod Ends	$5.95
____12598	212 Large Threaded Couplers	$1.50
____12602	216 Kwik-Hinge Slotter	$2.25
____12605	228 Mini Kwik Links 2 Nylon	$0.39
____12607	230 5 Mini-Kwik Links12"	$1.59
____20366	235 New Muff-L-Aire II	$9.95
____20367	236 Mini Muff-L-Aire .09-.25	$6.95
____15246	237 T-Style Control Horn	$0.49
____15247	238 1/8" Ldg Gear Strap	$0.59
____15248	239 5/32" Ldg Gear Strap	$0.59
____16369	241 Bolt-On Pressure Fitting	$0.85
____16370	242 1/4 Turn Latch	$2.75
____17651	243 Wheel Collars 7/32	$1.10
____17652	244 Wheel Collars 1/4	$1.10
____16499	246 Axle Shaft 1-1/4 x 1/8	$2.25
____16500	247 Axle Shaft 1-1/4 x 5/32	$2.25
____16501	248 Axle Shaft 2 x 5/32	$2.25
____16502	249 Axle Shaft 2 x 3/16	$2.25
____16700	251 Four Way Wrench	$3.25
____16701	252 100 Stainless T-Pins 1"	$1.75
____16702	253 100 Stainless T-Pins 1.25"	$2.00
____16703	254 100 Stainless T-Pins 1.5"	$3.00
____16928	255 Super Smoker Valve	$8.50
____16929	256 Heavy Duty Mounting Kit	$1.75
____17663	257 Heavy Duty Hinges	$3.95
____18380	258 1/4 Scale Pilot	$16.95
____17875	259 H/D Thrd Ball Link 4-40	$1.50
____20368	300 1/4 Scale Turnbuckle	$6.95
____19262	304 4-40 Kwik Link	$1.00
____20369	305 New 4-40 Solder Links	$1.00
____20370	332 Big Wheel Tire Pump	$3.95
____20473	334 Kwik Fill Valve Glo	$11.95
____20472	335 Kwik Fill Valve Gas	$12.95
____21174	340 In-Line Fuel Filter	$1.25
____21288	342 Right Angle Spacer	$0.49
____21172	343 36" Flex Cable Assembly	$2.00
____21173	344 48" Flex Cable Assembly	$2.50
____12407	345 Epoxy Brushes	$1.00
____21341	347 8/32 Blind Nuts	$0.79
____21734	370 2mm Tap & Drill set	$5.95
____21751	371 2.5mm Tap & Drill set	$5.95
____21752	372 3mm Tap & Drill set	$5.95
____21753	373 2mm Tap & Drill set	$5.95
____21754	374 5mm Tap & Drill set	$5.95
____21755	380 2 x 3/8" sheet metal screws	$1.00
____21756	381 2 x 1/2" sheet metal screws	$1.00
____21757	382 4 x 1/2" sheet metal screws	$1.00
____21758	383 4 x 3/4" sheet metal screws	$1.00
____21759	384 4 x 1" sheet metal screws	$1.00
____21760	385 6 x 1/2" sheet metal screws	$1.00
____21761	386 6 x 3/4" sheet metal screws	$1.00
____21762	387 6 x 1" sheet metal screws	$1.00
____21763	388 8 x 1/2" sheet metal screws	$1.00
____21764	389 8 x 3/4" sheet metal screws	$1.00
____21765	390 8 x 1" sheet metal screws	$1.00
____21766	391 4-40 Threaded inserts	$1.25
____21767	392 6-32 Threaded inserts	$1.25
____21768	393 8-32 Threaded inserts	$1.25
____21769	394 10-32 Threaded inserts	$1.75
____21770	395 1/4-20 Threaded inserts	$2.25
____21846	396 Kwik Klip 3 w/chgr	$22.95
____21791	442 5/64 ball wrench	$2.00
____21792	443 3/32 ball wrench	$2.00
____21793	444 7/64 ball wrench	$2.00
____21794	445 9/64 ball wrench	$2.50
____21795	446 5/32 ball wrench	$3.00
____21796	447 5pc. ball wrench set	$10.95
____21797	448 1.5mm socket wrench	$2.00
____21798	449 2mm socket wrench	$2.00
____21799	450 2.5mm socket wrench	$2.00
____21800	451 3mm socket wrench	$2.00
____21801	452 4mm socket wrench	$2.00
____21802	453 5pc metric socket set	$9.95

Fuel Tanks

____20132	402 2 oz. Tank	$2.15
____20133	404 4 oz. Tank	$2.35
____20134	406 6 oz. Tank	$2.45
____20135	408 8 oz. Tank	$2.55
____20136	410 10 oz. Tank	$2.65
____20137	412 12 oz. Tank	$2.80
____20138	414 14 oz. Tank	$3.00
____20139	416 16 oz. Tank	$3.25
____21171	420 20 oz. Tank	$3.50
____20953	424 24 oz. Tank	$3.75
____20954	400 Gas Conversion stopper	$1.00

Fuel Tubing

____12615	196 Silicone 50' Small	$20.00
____12616	197 Silicone 50' Med	$25.00
____12617	204 Silicone 30' Large	$22.50
____12618	199 Neoprene 50' Med	$20.00
____12628	225 Neoprene 2' Med	$0.90
____12624	221 Silicone 2' Small	$0.90
____12625	222 Silicone 2' Med	$1.10
____12626	223 Silicone 2' Large	$1.50

Wheels

____12638	175T 1-3/4"	$3.00
____12639	200T 2"	$3.25
____12640	225T 2-1/4"	$3.50
____12641	250T 2-1/2"	$3.75
____12642	275T 2-3/4"	$4.00
____12643	300T 3"	$4.25
____12644	325T 3-1/4"	$4.50
____12645	350T 3-1/2"	$4.75
____12650	400RV 4" Inflatable	$10.95
____12651	450RV 4 1/2" Inflatable	$12.95
____12652	500RV 5" Inflatable	$15.95
____12653	550RV 5 1/2" Inflatable	$17.95
____12564	600RV 6" Inflatable	$19.95
____21517	338TC J-3 Cub	$19.95
____20278	425TC J-3 Cub	$24.95
____21518	558TC J-3 Cub	$26.95
____20371	375TV 3 3/4" Large Scale	$9.95
____20372	400TV 4" Large Scale	$10.95
____20373	450TV 4 1/2" Large Scale	$11.95
____20374	500TV 5" Large Scale	$12.95
____20375	550TV 5 1/2" Large Scale	$13.95
____20376	600TV 6" Large Scale	$14.95

DURACRAFT

____21945	Dura-Plane	$79.95

DYNATHRUST

____21204	13 x 6 Prop	$4.00
____21650	13 x 8 Prop	$4.00
____21205	14 x 6 Prop	$5.00
____21651	14 x 8 Prop	$5.00
____19867	15 x 6 Prop	$7.00
____21014	15 x 8 Prop	$7.00
____20403	16 x 6 Prop	$8.00
____21015	16 x 8 Prop	$8.00
____19868	18 x 6 Prop	$10.00
____19869	18 x 8 Prop	$10.00
____19870	18 x 10 Prop	$10.00
____19871	20 x 6 Prop	$14.00
____19872	20 x 8 Prop	$14.00
____19873	20 x 10 Prop	$14.00
____19874	22 x 8 Prop	$18.00
____19875	22 x 10 Prop	$18.00

FOX

____12768	1.2V Standard Short Plug	$1.39
____12769	1.2V Standard Long Plug	$1.39
____12770	1.2V R/C Short Plug	$1.98
____12771	1.2V R/C Long Plug	$1.98
____21599	1.2V 4-Cycle Special Plug	$2.75
____12804	4-Way Wrench	$7.95
____12805	4 Step Reamer	$7.95
____21598	7 & 8mm Reamer	$7.95

GMP

____16625	Giant Kwik set epoxy 16oz	$13.95
____11361	Kiwk set epoxy 10oz	$9.95
____11362	Jr. Kwik set epoxy 5oz	$5.95
____11363	1/2 fast epoxy 10oz	$8.95
____17648	Easy off puller	$7.95
____16624	GMP 1/2 scale instr. asst.	$1.49

HALL CO.

____11393	B105-1Landing Gear	$8.95
____11394	B105-2 Landing Gear	$9.45
____11395	B105-3 Landing Gear	$9.95
____11396	B105-4 Landing Gear	$10.95
____11397	B105-5 Landing Gear	$14.50
____11398	B106-3 Landing Gear	$10.95
____11399	B106-4 Landing Gear	$11.50
____11400	B106-5 Landing Gear	$15.50
____11401	B106-6 Landing Gear	$19.90

HOT STUFF

____11690	HS1 Hot Stuff 1/2 oz.	$3.25
____11692	HS4 Clear Hot Stuff 2 oz.	$9.95
____21361	Hot Stuff 1/4 lb.	$18.95
____16672	HST1 Super T 1/2 oz.	$3.25
____16729	HST4 Super T 2 oz.	$9.95
____21362	Super T 1/4 lb.	$18.95
____18989	HS3 Hot Shot 3 oz.	$3.95
____11694	T 500-Teflon Tubing	$0.50
____19293	HT 500-Hot Tips	$1.25
____19294	US 1-Ultra Super Solvent	$4.98
____17518	ST 500 Teflon Super Applctrs	$0.50
____21359	Kick-It 4 oz.	$4.95
____21360	Kick-It 6 oz.	$7.95

J-TECH ***U-up S-side I-inverted***

____21670	Side 29-40	$18.00
____21671	Side 45-60	$20.00
____21672	G-23 U/I	$25.00
____21673	G-38 U/I	$25.00
____21674	G-62 U/I	$25.00
____21675	M-100 U/I	$25.00
____21676	M-100 U/S/I	$25.00
____21677	G-23 I	$25.00
____21678	G-38 I	$25.00
____21679	G-62 I	$25.00
____21680	M-100 I	$25.00
____21681	M-100 S/U/I	$25.00
____21682	G-23 U	$25.00
____21683	G-38 U	$25.00
____21684	G-62 U	$25.00

K & B PRODUCTS

____18608	4011 .40 R/C w/m	$95.00
____24072	4012 .40R/C Marine w/m	$100.00
____23900	5100 11cc R/C inboard marine	$270.00
____23899	5101 11cc Outboard marine	$285.00
____21637	5600 .20 R/C w/m	$58.00
____21893	5900 .45 Sportsman	$79.95
____21169	6550 .61 R/C	$115.00
____18208	8701 7.5 cc Outboard	$192.00
____18297	8906 3.5cc Outboard	$140.00
____24073	8912 3.5cc Inboard Marine w/m	$100.00
____24897	9100 7.5cc R/C Ducted fan	$175.00
____24898	9180 7.5 R/C inboard marine	$148.00

Glow Pugs

____12134	7311 KB-1Long Reach	$1.70
____12135	7321 KB-1Short Reach	$1.70
____12136	4520 RC Long Reach	$2.30
____12137	4530 RC Short Reach	$2.30

Super poxy paints & resins - PART A

____24107	8110 Clear 1/2 pint	$5.75
____24105	8111 White 1/2 pint	$5.75
____23903	8112 Internation Orange 1/2 pint	$5.75
____24103	8113 Red 1/2 pint	$5.75
____24108	8114 Black 1/2 pint	$5.75
____23904	8115 Blue 1/2 pint	$5.75
____24104	8116 Yellow 1/2 pint	$5.75
____24774	8117 Primer 1/2 pint	$5.75
____24890	8127 Metallic Blue 1/2 pint	$5.75
____23902	8136 Aluminum 1/2 pint	$5.75

Super poxy paints & resins - PART B

____24091	8118 Catalyst paint (gloss) 1/2 pint	$5.75
____24106	8119 Catalyst primer 1/2 pint	$5.75
____24776	8120 Thinner pint	$5.50
____22070	8121 Thinner Quart	$7.95
____24333	8123 Catalyst paint (stain) 1/2 pint	$5.75
____22072	8129 Catalyst (gloss, brush) 1/2 pint	$5.75

Misc. accessories

____24894	8150 Polyester coating resin quart	$11.75
____24895	8151 Resin hardener (net wt1/2 oz.)	$2.25
____24892	8160 Fiberglass cloth (lt., 3/4oz.), yd.	$5.50
____24893	8161 Fiberglass cloth (med., 2oz.), yd	$5.50
____24128	8162 Fiberglass cloth (hvy., 6oz.), yd	$5.50
____24896	1oz. Measuring/Mixing cups (24)	$2.25

KRESS TANKS

____18371	101 RK-TS-1 3/4 Tank	$2.50
____18372	102 TK-TS-4 Tank	$2.75
____18373	103 RK-TS-8 Tank	$3.25
____18374	104 RK-TS-12 Tank	$3.75
____18375	105 RK-TS-16 Tank	$4.25
____18377	108 RK-TS-24 Tank	$5.50
____18376	106 Viton Stopper (G&D)	$2.25

March edition

_____18379 107 GP-020 Scale Grd Prop $19.50

LION MODELS

ARF Airplane Kits

_____21878 Apache $89.95
_____21877 Bud Light Laser $227.95
_____21872 Cap 21 ..... $199.95
_____21870 Cessna 182 ..... $199.95
_____10497 Cherokee 40L ..... $NPA
_____21875 Christen Eagle $259.95
_____21880 Clipped Wing Cub $269.95
_____24446 Clipped Wing Cub (uncovered) $245.00
_____21874 Diabolo $199.95
_____21873 Laser 200 ..... $149.95
_____10498 Safari 45H ..... $NPA
_____10052 Safari 45S $189.95
_____21871 Talon 25 ..... $149.95
_____21876 Talon 40 ..... $189.95
_____21879 Tom Cat $64.95

MAC'S PRODUCTS

Tuned Pipes

_____18520 1120 3.5 cc $20.95
_____18522 1130 6.5 cc $23.95
_____18524 1140 7.5 cc $24.95
_____18609 1150 8.5 cc $27.95
_____18525 1160 10 cc $28.95
_____18461 1345 Marine 7.5 cc $35.95
_____18526 1365 Marine 11 cc $37.95
_____18793 1468 Heli-Pipe Muff. 10 cc $32.95

Muffled Tuned Pipes

_____18521 1220 3.5 cc $26.95
_____18523 1230 6.5 cc $29.95
_____18460 1240 7.5 cc $30.95
_____18610 1250 8.5 cc $35.95
_____18611 1260 10 cc $36.95
_____19882 1290 15 cc $39.95
_____18527 1347 7.5 cc Marine $16.95
_____18792 1460 Heli. 10 cc $30.95

Wizards

_____18661 1821 Ducted Fan Exhaust $34.95
_____21254 1835 Sport Wizard $28.95
_____19023 1841 Ductd Fan Sys 7.5cc $35.95

For Side Exhaust Engines

_____18529 2340 Standard O.S. 25FSR $16.95
_____18530 2341 Long O.S. 25FSR $16.95
_____18531 2371 Long ST X25 ..... $16.95
_____18532 2530 Standard K&B 40 ..... $18.95
_____18533 2531 Long K&B 40 ..... $18.95
_____18534 2580 Standard O.S. 40FSR $18.95
_____18535 2581 Long O.S. 40FSR $18.95
_____18536 2582 Ex-Long O.S. 40FSR $18.95
_____18538 2620 Standard ST 46(E) $18.95
_____18539 2621 Long ST 46 (E) $18.95
_____18540 2622 Ex-Long ST 46 ..... $18.95
_____18547 2772 Ex-Long K&B 61 ..... $19.95
_____18547 2771 Long K&B 61 ..... $19.95
_____18638 2850 Standard OS 60FSR $19.95
_____18639 2851 Long O.S. 60 FSR $19.95
_____18654 2852 Ex-Long O.S. 61FSR $19.95
_____18549 2900 Stnd G60 (E)S-61-75 ..... $19.95
_____18550 2901 Lg STG60 (E)S61-75 ..... $19.95
_____18551 2902 ELgSTG60(E)S61-75 ..... $19.95
_____18552 2910 Standard ST X60 ..... $19.95
_____18553 2911 Long ST X 60 ..... $19.95
_____18554 2912 Ex-Long ST X60 ..... $19.95
_____18555 2940 StandardO.S. 90FSR $19.95
_____18556 2941 Long O.S. 90FSR $19.95
_____19881 3350 OS25 VFDF/3mm Scrw $9.95
_____18559 3351 (R) 15° K&B 3.5 ..... $9.95
_____18560 3450 (R) K&B 6.5 ..... $11.95
_____18561 3451 (R)15° K&B 6.5 ..... $11.95
_____18640 3452 (R) Fuse-Top K&B 65 ..... $17.95
_____18462 3520 (R) O.S.40 ..... $11.95
_____18463 3521 (R) 15° O.S. 40 ..... $11.95
_____18517 3522 (R) Fuse-Top OS 40 ..... $11.95
_____18663 3550 (R) STX40 ..... $11.95
_____18669 3551 ST X-40 ..... $9.95
_____18664 3552 (R) Fuse-Top ST X40 ..... $17.95
_____18562 3680 (R) O.S. 61VF $13.95
_____18655 3681 15° O.S. 61VF $13.95
_____18563 3682 (R) FuseTop OS 61VF $19.95

Muffler Expansions

_____18566 4562 O.S.30-35 ..... $24.95
_____18700 4572 O.S. 40 ..... $24.95
_____18616 4582 O.S. 40 FSR $24.95
_____25347 4600 Rossi $24.95
_____18567 4622 ST 46E $24.95
_____18645 4842 O.S.60 GR $26.95
_____18568 4852 O.S. 60 FSR $26.95
_____18668 4902 ST G-60 ..... $26.95

Helo-ball Mufflers

_____19015 5344 "C" Helo-Ball Muffler $23.95
_____18569 5582 "B" O.S. 40FSR $25.95
_____18647 5622 "B" ST 29 ..... $25.95
_____18656 5852 "B" O.S. 61FSR $27.95
_____19021 5851 "A" O.S. 61 FSR $27.95
_____19025 5901 "A" ST G60-S61-75 ..... $27.95
_____19026 5902 "B" ST G60-61-75 ..... $27.95

X-Style Racing Mufflers

_____18790 6621 ST 29-46 ..... $21.95

Accessories

_____18574 9110 Pressure Fittings $0.80
_____18575 9310 Silicone Connectors $2.00
_____18576 9360 Cinch Straps 10 ..... $0.95

MAJOR DECALS

Letter Decal Sheets

_____11231 425 P.S. 4-13/16BLACK LETTER $4.35
_____11232 425 W.T. 4-13/16BLACK LETTER $4.35
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_____11234 425 W.T. 4-13/16WHITE LETTER $4.35
_____11235 425 P.S. 4-13/16 RED LETTER $4.35
_____11236 425 W.T. 4-13/16RED LETTER $4.35
_____11237 425 P.S. 4-13/16ORANGE LETTER $4.35
_____11238 425 W.T. 4-13/16ORANGE LETTER $4.35
_____11239 425 P.S. 4-13/16YELLOW LETTER $4.35
_____11240 425 W.T. 4-13/16YELLOW LETTER $4.35
_____11241 425 P.S. 4-13/16BLUE LETTER $4.35
_____11242 425 W.T. 4-13/16BLUE LETTER $4.35
_____11243 425 P.S. 4-13/16SILVER LETTER $4.35
_____11244 425 W.T. 4-13/16SILVER LETTER $4.35
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_____11247 426 P.S. 4 BLACK LETTER $4.35
_____11248 426 W.T. 4 BLACK LETTER $4.35
_____11249 426 P.S. 4 WHITE LETTER $4.35
_____11250 426 W.T. 4 WHITE LETTER $4.35
_____11251 426 P.S. 4 RED LETTER $4.35
_____11252 426 W.T. 4 RED LETTER $4.35
_____11253 426 P.S. 4 ORANGE LETTER $4.35
_____11254 426 W.T. 4 ORANGE LETTER $4.35
_____11255 426 P.S. 4 YELLOW LETTER $4.35
_____11256 426 W.T. 4 YELLOW LETTER $4.35
_____11257 426 P.S. 4 BLUE LETTER $4.35
_____11258 426 W.T. 4 BLUE LETTER $4.35
_____11259 426 P.S. 4 SILVER LETTER $4.35
_____11260 426 W.T. 4 SILVER LETTER $4.35
_____11261 426 P.S. 4 GOLD LETTER $4.35
_____11262 426 W.T. 4 GOLD LETTER $4.35
_____11263 428 P.S. 2 BLACK LETTER $4.35
_____11264 428 W.T. 2 BLACK LETTER $4.35
_____11265 428 P.S. 2 WHITE LETTER $4.35
_____11266 428 W.T. 2 WHITE LETTER $4.35
_____11267 428 P.S. 2 RED LETTER $4.35
_____11268 428 W.T. 2 RED LETTER $4.35
_____11269 428 P.S. 2 ORANGE LETTER $4.35
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_____11273 428 P.S. 2 YELLOW LETTER $4.35
_____11274 428 W.T. 2 YELLOW LETTER $4.35
_____11275 428 2 BLUE LETTER $4.35
_____11276 428 W.T. 2 BLUE LETTER $4.35
_____11277 428 P.S. 2 SILVER LETTER $4.35
_____11278 428 W.T. 2 SILVER LETTER $4.35
_____11279 428 P.S. 2 GOLD LETTER $4.35
_____11280 428 W.T. 2 GOLD LETTER $4.35

Number Decal Sheets

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_____11284 400 W.T. 4-13/16 WHITE NUMBER $4.35
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_____11286 400 W.T. 4-13/16 RED NUMBER $4.35
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_____11288 400 W.T. 4-13/16 ORANGE NUMBER $4.35
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_____11290 400 W.T. 4-13/16 YELLOW NUMBER $4.35
_____11291 400 P.S. 4-13/16 BLUE NUMBER $4.35
_____11292 400 W.T. 4-13/ BLUE NUMBER $4.35
_____11293 400 P.S. 4-13/16 SILVER NUMBER $4.35
_____11294 400 W.T. 4-13/16 SILVER NUMBER $4.35
_____11295 400 P.S. 4-13/16 GOLD NUMBER $4.35
_____11296 400 W.T. 4-13/16 GOLD NUMBER $4.35
_____11297 401 P.S. 4 BLACK NUMBER $4.35
_____11298 401 W.T. 4 BLACK NUMBER $4.35
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_____11300 401 W.T. 4 WHITE NUMBER $4.35
_____11301 401 P.S. 4 RED NUMBER $4.35
_____11302 401 W.T. 4 RED NUMBER $4.35
_____11303 401 P.S. 4 ORANGE NUMBER $4.35
_____11304 401 W.T. 4 ORANGE NUMBER $4.35
_____11305 401 P.S. 4 YELLOW NUMBER $4.35
_____11306 401 W.T. 4 YELLOW NUMBER $4.35
_____11307 401 P.S. 4 BLUE NUMBER $4.35
_____11308 401 W.T. 4 BLUE NUMBER $4.35
_____11309 401 P.S. 4 SILVER NUMBER $4.35
_____11310 401 W.T. 4 SILVER NUMBER $4.35
_____11311 401 P.S. 4 GOLD NUMBER $4.35
_____11312 401 W.T. 4 GOLD NUMBER $4.35
_____11313 403 P.S. 2 BLACK NUMBER $4.35
_____11314 403 W.T. 2 BLACK NUMBER $4.35
_____11315 403 P.S. 2 WHITE NUMBER $4.35
_____11316 403 P.S. 2 RED NUMBER $4.35
_____11318 403 W.T. WHITE NUMBER $4.35
_____11319 403 P.S. 2 RED NUMBER $4.35
_____11320 403 W.T. 2 RED NUMBER $4.35
_____11321 403 P.S. 2 ORANGE NUMBER $4.35
_____11322 403 W.T. 2 ORANGE NUMBER $4.35
_____11323 403 P.S. 2 YELLOW NUMBER $4.35
_____11324 403 W.T 2 YELLOW NUMBER $4.35
_____11325 403 P.S. 2 BLUE NUMBER $4.35
_____11326 403 W.T. 2 BLUE NUMBER $4.35
_____11327 403 P.S. 2 SILVER NUMBER $4.35
_____11328 403 W.T. 2 SILVER NUMBER $4.35
_____11329 403 P.S. 2 GOLD NUMBER $4.35
_____11330 403 W.T. 2 GOLD NUMBER $4.35
_____23763 400PS 4 13/16 NUMBERS $5.00
_____22638 404PSR 1BLOCK NUMBERS - RED $4.35
_____22639 404WTW 1BLOCK NUMBERS - WHITE $4.35

Star Decal Sheets

_____11331 S-9 P.S. BLACK ASSORTED STARS $4.35
_____11332 S-9 W.T. BLACK ASSORTED STARS $4.35
_____11333 S-9 P.S WHITE ASSORTED STARS $4.35
_____11334 S-9 W.T. WHITE ASSORTED STARS $4.35
_____11335 S-9 P.S. RED ASSORTED STARS $4.35
_____11336 S-9 W.T. RED ASSORTED STARS $4.35
_____11337 S-9 P.S. ORANGE ASSORTED STARS $4.35
_____11338 S-9 W.T. ORANGE ASSORTED STARS $4.35
_____11339 S-9 P.S. YELLOW ASSORTED STARS $4.35
_____11340 S-9 W.T. YELLOW ASSORTED STARS $4.35
_____11341 S-9 P.S. GREEN ASSORTED STARS $4.35
_____11342 S-9 W.T. GREEN ASSORTED STARS $4.35
_____11343 S-9 P.S. BLUE ASSORTED STARS $4.35
_____11344 S-9 W.T. BLUE ASSORTED STARS $4.35
_____11345 S-9 P.S. SILVER ASSORTED STARS $4.35

The Order Card

_____11346 S-9 W.T. SILVER ASSORTED STARS $4.35
_____11571 S-9 P.S. GOLD ASSORTED STARS $4.35
_____11572 S-9 W.T. GOLD ASSORTED STARS $4.35

Prop/Engine Decal Sheets

_____11125 P-4 W.T.MC CAULEY PROP 4E/3S $6.00
_____11126 P-6 W.T.HAMILTON STD.PROP $6.00
_____11128 P-12 W.Y.PRATT&WHITNEY PROP $6.00
_____11127 P-10 W.T. HARTZELL PROP $6.00

Various Kill Marking Decal Sheets

_____11129 K-2 GERMAN KILL MARKINGS $2.50
_____11130 K-4 AMERICAN KILL MARKINGS $2.50
_____11131 K-6 TANK KILLS MARKINGS $2.50
_____11132 K-8 JAPANESE KILLS MARKINGS $2.50
_____11133 K-10 SHIP KILLS MARKINGS $2.50
_____11134 K-12 BOMBING MISSIONS MARKINGS $2.50

Austrailian Decal Sheets

_____11215 1440 P.S. AUSTRALIAN INSIGNIA $5.45
_____11216 1440 W.T. AUSTRALIAN INSIGNIA $5.45
_____11179 1460 P.S. AUSTRALIAN INSIGNIA $5.45
_____11180 1460 W.T. AUSTRALIAN INSIGNIA $5.45

British Decal Sheets

_____11141 115 P.S. BRITISH WW I INSIGNIA CIRCLES $5.45
_____11142 115 W.T. BRITISH WW I INSIGNIA CIRCLES $5.45
_____11151 200 P.S. BRITISH WW II INSIGNIA $5.45
_____11152 200 W.T. BRITISH WW II INSIGNIA $5.45
_____11165 261 P.S. BRITISH WW I INSIGNIA $5.45
_____11166 261 W.T. BRITISH WW I INSIGNIA $5.45
_____11187 240 P.S. BRITISH WW II INSIGNIA $5.45
_____11188 240 W.T. BRITISH WW II INSIGNIA $5.45
_____11201 241 P.S. BRITISH WW I INSIGNIA $5.45
_____11202 241 W.T. BRITISH WW I INSIGNIA $5.45
_____22658 115PS BRITISH WWI9 1/2, 8 15/16 ..... $6.09

Canadian Decal Sheets

_____11157 600 P.S. CANADIAN INSIGNIA $5.45
_____11158 600 W.T. CANADIAN INSIGNIA $5.45
_____11193 640 P.S. CANADIAN INSIGNIA $5.45
_____11194 640 W.T. CANADIAN INSIGNIA $5.45

Chinese Decal Sheets

_____11211 1240 P.S. NATIONALIST CHINA INSIGNIA $5.45
_____11212 1240 W.T. NATIONALIST CHINA INSIGNIA $5.45
_____11175 1260 P.S. NATIONALIST CHINA INSIGNIA $5.45
_____11176 1260 W.T. NATIONALIST CHINA INSIGNIA $5.45

French Decal Sheets

_____11351 120 P.S.FRENCH WW I INSIGNIA CIRCLES $5.45
_____11352 120 W.T.FRENCH WW I INSIGNIA CIRCLES $5.45
_____23705 120PS FRENCH WW I INSIGNIA $5.00
_____11203 841 P.S. FRENCH WW I INSIGNIA $5.45
_____11204 841 W.T. FRENCH WW I INSIGNIA $5.45
_____11167 861 P.S. FRENCH WW I INSIGNIA $5.45
_____11168 861 W.T. FRENCH WW I INSIGNIA $5.45

German Decal Sheets

_____11143 125 P.S.GERMAN WW I INSIGNIA $5.45
_____11144 125 W.T. GERMAN WW I INSIGNIA $5.45
_____11145 125A P.S. GERMAN WW I INSIGNIA $5.45
_____11146 125A W.T. GERMAN WW I INSIGNIA $5.45
_____22660 125PS GERMAN WWI 10, 8 3/4 ..... $6.09
_____11155 500 P.S. GERMAN WW II INSIGNIA $5.45
_____11156 500 W.T. GERMAN WW II INSIGNIA $5.45
_____11161 505 P.S. GERMAN WW I INSIGNIA $5.45
_____11162 505 W.T. GERMAN WW I INSIGNIA $5.45
_____11191 540 P.S. GERMAN WW II INSIGNIA $5.45
_____11192 540 W.T. GERMAN WW II INSIGNIA $5.45
_____11197 541 P.S. GERMAN WW I INSIGNIA $5.45
_____11198 541 W.T. GERMAN WW I INSIGNIA $5.45
_____22634 505PS GERMAN WWI U/WNG CRSS61/2 ..... $6.09
_____22635 541PS GERMAN WWI U/WNG CROSS 5 ..... $6.09

Israeli Decal Sheets

_____11209 1140 P.S. ISRAELI INSIGNIA $5.45
_____11210 1140 W.T. ISRAELI INSIGNIA $5.45
_____11173 1160 P.S. ISRAELI INSIGNIA $5.45
_____11174 1160 W.T. ISRAELI INSIGNIA $5.45

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Italian Decal Sheets
_____11205 940 P.S. ITALIAN INSIGNIA $5.45
_____11206 940 W.T. ITALIAN INSIGNIA $5.45
_____11169 960 P.S. ITALIAN INSIGNIA $5.45
_____11170 960 W.T. ITALIAN INSIGNIA $5.45

Japanese Decal Sheets
_____11153 300 P.S. JAPANESE INSIGNIA CIRCLES $5.45
_____11154 300 W.T. JAPANESE INSIGNIA CIRCLES $5.45
_____11189 340 P.S. JAPANESE INSIGNIA $5.45
_____11190 340 W.T. JAPANESE INSIGNIA $5.45

New Zealand Decal Sheets
_____11217 1540 P.S. NEW ZEALAND INSIGNIA $5.45
_____11218 1540 W.T. NEW ZEALAND INSIGNIA $5.45
_____11181 1560 P.S. NEW ZEALAND INSIGNIA $5.45
_____11182 1560 W.T. NEW ZEALAND INSIGNIA $5.45

Polish Decal Sheets
_____11159 700 P.S. POLISH INSIGNIA $5.45
_____11160 700 W.T. POLISH INSIGNIA $5.45
_____11195 740 P.S. POLISH INSIGNIA $5.45
_____11196 740 W.T. POLISH INSIGNIA $5.45

Russian Decal Sheets
_____11213 1340 P.S. RUSSIAN INSIGNIA $5.45
_____11214 1340 W.T. RUSSIAN INSIGNIA $5.45
_____11177 1360 P.S. RUSSIAN INSIGNIA $5.45
_____11178 1360 W.T. RUSSIAN INSIGNIA $5.45

Swedish Decal Sheets
_____11207 1040 P.S. SWEDISH INSIGNIA $5.45
_____11208 1040 W.T. SWEDISH INSIGNIA $5.45
_____11171 1060 P.S. SWEDISH INSIGNIA $5.45
_____11172 1060 W.T. SWEDISH INSIGNIA $5.45

United States Decal Sheets
_____11349 F-1 P.S. UNITED STATES FLAG $3.50
_____11350 F-1 W.T UNITED STATES FLAG $3.50
_____11135 100 P.S. U.S.W/BARS INSIGINIA CIRCLES $5.45
_____11136 100 W.T. U.S. W/BARS INSIGINIA CIRCLES $5.45
_____11137 105 P.S. U.S.COCARDE INSIGINIA CIRCLES $5.45
_____11138 105 W.T. U.S.COCARDE INSIGINIA CIRCLES $5.45
_____23706 105PS U S QUARTER SCALE $5.00
_____22657 110PS U.S.WWI 8 15/16 ..... $6.09
_____11139 110 P.S. U.S.WW I INSIGNIA CIRCLES $5.45
_____11140 110 W.T. U.S.WW I INSIGNIA CIRCLES $5.45
_____11199 141 P.S. U.SWW I INSIGNIA $5.45
_____11200 141 W.T. U.S.WW I INSIGNIA $5.45
_____11183 142 P.S. U.S.COCARDE INSIGNIA $5.45
_____11184 142 W.T. U.S.COCARDE INSIGNIA $5.45
_____11185 143 P.S U.S.W/BARS INSIGNIA $5.45
_____11186 143 W.T. U.S.W/BARS INSIGNIA $5.45
_____11147 162 P.S. U.S.COCARDE INSIGNIA $5.45
_____11148 162 W.T. U.S.COCARDE INSIGNIA $5.45
_____11149 163 P.S. U.S.W/BARS INSIGNIA $5.45
_____11150 163 W.T. U.S.W/BARS INSIGNIA $5.45
_____11163 161 P.S. U.S. WW I INSIGNIA $5.45
_____11164 161 W.T. U.S.WW I INSIGNIA $5.45

Misc. Decal Sheets
_____11219 N-GIANT-B P.S.BAS.COPY BLACK NOM. $5.45
_____11220 N-GIANT-B W.T.BAS.COPY BLACK NOM. $5.45
_____11221 N-GIANT-W P.S.BAS.COPY WHITE NOM.
$5.45 _____11223 ..... N-60-B P.S. BAS.COPY BLACK NOM.
$5.45
_____11224 N-60-B W.T. BAS.COPY BLACK NOM. $5.45
_____11226 N-60-W W.T. BAS.COPY WHITE NOM. $5.45
_____11227 N-40-B P.S. BAS.COPY BLACK NOM. $5.45
_____11228 N-40-B W.T. BAS.COPY BLACK NOM. $5.45
_____11229 N-40-W P.S. BAS.COPY WHITE NOM. $5.45
_____11230 N-40-W W.T. BAS.COPY WHITE NOM. $0.45
_____11347 N-60-W P.S.BAS. COPY WHITE NOM. $5.45
_____23761 MAJOR DECALS NO 100 ..... $5.00
_____23762 MAJOR DECALS NO 404 YELLOW $4.35

MASTER AIRSCREW
_____18677 0640 6 x 4 Prop $0.85
_____18678 0740 7 x 4 Prop $0.95
_____18679 0760 7 x 6 Prop $0.95
_____18680 0840 8 x 4 Prop $1.05
_____18681 0860 8 x 6 Prop $1.05
_____18683 0940 9 x 4 Prop $1.25
_____18682 0960 9 x 6 Prop $1.25
_____18684 9560 9 1/2 x 6 Prop $1.25
_____18685 1060 10 x 6 Prop $1.55
_____21834 10 x 6 Pusher $1.90
_____18686 1070 10 x 7 Prop $1.55
_____21472 1160 11 x 6 Prop $1.75
_____18687 1170 11 x 7 Prop $1.75
_____18688 1175 11 x 7 1/2 Prop $1.75
_____20892 1260 12 x 6 Prop $2.69
_____21016 1360 13 x 6 Prop $3.15
_____20306 1460 14 x 6 Prop $4.15
_____20307 1480 14 x 8 Prop $4.15
_____21641 1580 15 x 8 Prop $4.79
_____20308 1660 16 x 6 Prop $5.35
_____20309 1680 16 x 8 Prop $5.35
_____19096 2500 Fuel Filter $1.19
_____18689 2000 Balsa Stripper $4.95
_____20263 2100 Razor Plane $4.95
_____20342 2101 Plane Blades $1.49

MIDWEST
_____13085 Das Little Stik - .20. ..... $57.95
_____13088 Sweet Stik -.40 ..... $66.95
_____18338 Sweet 'n Low Stik $66.95
_____18937 Das Bipe Stik $68.95
_____19251 Super Sweet Stik - .60 ..... $79.95
_____21836 Giant Sweet 'n Low Stik $164.95
_____21072 The Hots $55.95
_____21837 Super Hots $89.95
_____21838 Aero-Star .20™ $59.95
_____21839 Aero-Star .40™ $84.95

Accessories
_____16368 1039 Micro glass cloth $5.85

OHIO SUPERSTAR
_____21807 3-8 lb. tail wheel assembly $10.95
_____21808 4-10 lb. tail wheel assembly $12.95
_____21809 10-18 lb. tail wheel assembly $14.95
_____21810 18-35 lb. tail wheel assembly $15.97

PERRY PUMP
_____18919 Oscillating Pump $29.95
_____21342 P-30 Regulating Pump $32.95
_____21481 P-40SG Reg. Smoke/Gas $32.95
_____11611 107 O.S. Max 60 ..... $29.95

PIC
_____22591 010 Squeeges (3) $3.99
_____21686 100 PIC-Stic CyA Qk 1oz. $4.85
_____21688 102 PIC-Stic CyA Slow 1oz. $4.95
_____22588 103 Plastic Stic 1 oz. $4.95
_____21687 200 PIC-Stic CyA Qk 2oz. $9.59
_____22589 201 Stic CyA+ Medium 2 oz. $9.59
_____22590 202 Stick CyA++ Slow 2oz. $9.79
_____21689 500 Apart Debonder 1fl.oz. $3.49
_____22593 540 U-Knead-it putty $4.99
_____21690 600 Pic 'n Patch 8 fl. oz. $4.95
_____22594 650 Tips & Top (4) $0.89
_____22595 660 Fine Microdroper tip (10) $1.75
_____22596 670 E-Fine Microdropper (10) $1.75
_____22597 700 Skin Shield 100ml. $8.95
_____22598 706 Skin shield 20ml. $4.95
_____22599 730 Slicker 20ml. $4.95
_____22600 802 Pronto Accelerator $4.98
_____21691 808 PIC Accelerator 8 oz. $8.95
_____22601 818 Foam Treat 2oz. pump $4.98
_____21692 900 Resin Wacker 1 fl. oz. $3.99
_____22602 970 Coating poxy 38.4 oz. $29.99
_____22603 975 Coating Pox 4.8 fl.oz. $9.99
_____21693 980 PIC Poxy Lite 6 fl. oz. $8.95
_____22604 990 A+B poxy shaping putty $3.99

PK PRODUCTS
_____20279 Zenoah G-38 mount $19.95
_____20280 Tartan Twin muffler set $39.95
_____20985 H&K Superstarter MK2 ..... $29.95
_____21603 Zenoah G-62 mount $19.95
_____21619 Zenoah G-62 throttle linkage $7.95

ROBART
_____21656 420 Right Angle Drive $24.95
_____21779 420B Right Angle Drive $39.95
_____21780 421 Right Angle Drive $39.95

ROYAL PRODUCTS
Engines
_____21899 40 R/C $94.95
_____21900 45 R/C $104.95

SIG
_____21669 EZ Hinges $2.95

SONICTRONICS
Electric Fuel Pump
_____14270 250 Mark X 2.6 V $18.95
_____14271 1250 Mark X 7-12 V $18.95
_____18732 1249 Mark X $15.95
_____21153 301 4-Cycle Glow Plug $3.29

STANDALE AIRCRAFT
_____21662 K5W Engine Cleaner $4.95
_____21663 EZ-Line Tubing $1.29
_____21664 PMS Masking 4 oz. $3.50
_____21665 PMS Masking 8 oz. $5.95
_____21666 Weight Stick $13.95
_____21667 E-Z Fueler 5/32" $2.49
_____21668 E-Z Throttle $2.05

SULLIVAN
Flexible Tanks
_____21524 725 FRST-4 ..... $3.10
_____21525 726 FRST-6 ..... $3.20
_____21526 727 FRST-8 ..... $3.35
_____21527 728 FRST-10 ..... $3.50
_____21528 729 FRST-12 ..... $3.70

Flexible Slant Tanks
_____21529 735 FSS-1 ..... $2.75
_____21530 736 FSS-2 ..... $2.95
_____21531 737 FSS-4 ..... $3.20
_____21532 738 FSS-6 ..... $3.35
_____21533 739 FSS-8 ..... $3.50
_____21534 740 FSS-10 ..... $3.65
_____21535 741 FSS-12 ..... $3.80
_____21536 742 FSS-14 ..... $4.00
_____21537 743 FSS-16 ..... $4.35

Round Tanks
_____13611 400 R-1 ..... $2.15
_____13612 401 R-2 ..... $2.25
_____13613 402 R-4 ..... $2.35
_____13614 403 R-6 ..... $2.45
_____13615 404 R-8 ..... $2.60
_____13616 405 R-10 ..... $2.75
_____13617 406 R-12 ..... $2.85
_____13618 407 R-16 ..... $3.15

Cylinder Tanks
_____13619 410 C-4 ..... $2.35
_____13620 412 C-8 ..... $2.50
_____13621 414 C-16 ..... $2.90

Oval Tanks
_____13622 416 OV-2 ..... $2.35
_____13523 420 OV-8 ..... $2.85

RST Tanks
_____13624 425 RST4 ..... $2.55
_____13625 426 RST6 ..... $2.65
_____13626 427 RST8 ..... $2.75
_____13627 428 RST10 ..... $2.85
_____13628 429 RST12 ..... $3.00

Slant Tanks
_____13629 435 SS-1 ..... $2.25
_____13630 436 SS-2 ..... $2.40
_____13631 437 SS-4 ..... $2.60
_____13632 438 SS-6 ..... $2.70
_____13633 439 SS-8 ..... $2.80
_____13634 440 SS-10 ..... $2.90
_____13635 441 SS-12 ..... $3.10
_____13636 442 SS-14 ..... $3.30
_____13637 443 SS-16 ..... $3.55
_____20125 444 SS-24 ..... $4.15

Slant Oval Tanks
_____13638 445 SO-6 ..... $2.80
_____13639 446 SO-8 ..... $2.90
_____13640 447 SO-10 ..... $3.00
_____13641 448 SO-12 ..... $3.15

Accessories
_____16404 482 Pkt Tank Accessories $1.75
_____20128 484 GCK Gas Cnvrsn Kits $1.95

Pushrods
_____13644 500 256 All thread Rod $0.55
_____20127 495 4-40 All Thread Rod 12" $1.40
_____13646 503 GRF36 Golden P-rods $3.60
_____13647 504 GRF48 Golden P-rods $4.00
_____13648 505 GRSF36 Gld P-rods $4.00
_____13649 506 GRSF48 Golden P-rods $4.45
_____20126 518 GRHS60 High Stress $9.25

Couplers
_____13650 507 GRC3 Golden P-rod $2.25
_____13651 508 GRC6 Golden P-rod $2.70

Electric Hand Starters
_____13654 600 HT Starter 12C. $46.95
_____13655 601 HTD Starter 12V. $49.95
_____21024 603 DYN Super Power $74.95
_____13656 605 Rasp Rubber Adaptor $1.75
_____13657 606 RAC Rubber Adaptor $1.90
_____13658 607 4-1 Al. Drive Cone $6.95
_____21506 610 Kit S Al. Cone/2 Adptrs $10.80
_____21694 614 Lrasp LG Rubber Adpt. $9.90
_____21069 612 Ext. kit for Heli $13.80
_____21507 624 Replacmt R/Car Adaptr $3.25

Control Line Cables
_____13659 127 U182 .008 x 26' $8.05
_____13660 128 U123 .012 x 35' $9.25
_____13661 129 U125 .012 x 35' $10.25
_____13662 130 U126 .012 x 60' $11.25
_____13663 131 U155 .015 x 52' $10.65
_____13664 132 U156 .015 x 60' $11.35
_____13665 133 U157 .015 x 70' $11.90
_____13666 134 U185 .018 x 52' $10.90
_____13667 135 U186 .018 x 60' $11.55
_____13668 136 U187 .018 x 70' $12.10
_____13669 137 U217 .021 x 70' $12.60
_____13670 145 UA21K FlxHd Cble AB $1.75

Pressure Type Fuelers
_____13671 173 2 oz. $2.00
_____13672 174 4 oz. $2.70
_____13673 175 1F 8 oz. $2.95
_____13674 176 IF 16 oz. $3.50

Glow Plug Clips
_____13675 180 39-GC Plug Klip $1.45

Crap Trap
_____13678 187 CT-1 ..... $1.80
_____13679 189 CT-P $2.00

Music Wire
_____13683 T25 .025 x 36 ..... $0.13
_____13684 T32 .032 x 36 ..... $0.16
_____13685 254 .045 x 36 ..... $0.18
_____13686 255 1/16 x 36 ..... $0.24
_____13687 256 3/32 x 36 ..... $0.45
_____13688 T125 1/8 x 36 ..... $0.65
_____13689 T75 .075 x 36 ..... $0.28
_____13690 T532 5/32 x 3 ..... $0.98

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	13691	261 3/16 x 36	$1.60
	16162	252 Tube 25	$8.19
	16163	253 Tube 32	$7.36
	16164	254 Tube 45	$7.56
	16168	259 Tube 75	$7.58
	16165	255 Tube 16	$7.20
	16166	256 Tube 332	$7.80
	16167	257 Tube 125	$10.08
	16169	260 Tube 532	$9.80
	16170	261 Tube 316	$9.60

Gas Fuel Tubing

	21844	206 3/32x36 Buna-N-Tube	$1.95
	21843	207 1/8x36 Buna-N-Tube	$2.10

Tailwheels

	20129	352 T2 1" Dia.	$0.82
	20130	353 T3 1 1/4" Dia.	$0.93
	20131	354 T4 1 1/2" Dia.	$1.04

SYNCO CHEMICAL

	22586	Super Lube®4.5 oz Aerosol	$3.99
	22587	Super Lube®1/4 oz. p-oiler	$2.99

TATONE/C.B.

	19693	Zenoah G-38 mount	$19.95
	19822	Zenoah G-38 Muffler	$26.25
	19823	Zenoah G-38 choke	$9.50
	20311	G-38 muffler w/spacer	$25.00
	21632	Zenoah G-62 muffler	$26.25

Plastic Spinners

	11637	1-3/4" Red	$4.98
	11638	1-3/4" Black	$4.98
	11639	1-3/4" White	$4.98
	11640	2" Red	$5.95
	11641	2" Black	$5.95
	11642	2" White	$5.95
	11643	2-1/4" Red	$6.95
	11644	2-1/4" Black	$6.95
	11645	2-1/4" White	$6.95
	11646	2-1/2" Red	$7.95
	11647	2-1/2" Black	$7.95
	11648	2-1/2" White	$7.95
	11649	2-3/4" Red	$10.95
	11650	2-3/4" Black	$10.95
	11651	2-3/4" White	$10.95
	11652	3" Red	$12.95
	11653	3" Black	$12.95
	11654	3" White	$12.95
	11655	3-1/2" (P-51) Red	$13.95
	11656	3-1/2" (P-51) Black	$13.95
	11657	3-1/2" (P-51) White	$13.95
	11658	3-1/2" (P-40) Red	$13.95
	11659	3-1/2" (P-40) Black	$13.95
	11660	3-1/2" (P-40) White	$13.95

Aluminum Spinners

	14390	2" Speed	$19.95
	14391	1 1/2"	$9.95
	14392	1 3/4"	$11.95
	11661	2"	$12.95
	11662	2 1/4"	$12.95
	11663	2 1/2"	$14.95

Aluminum Spinner Nuts

	11674	1/4 x 8/32 x 1/2	$1.25
	11675	7mm x 8/32 x 1/2	$1.25
	11676	6mm x 8/32 x 1/2	$1.25
	11677	5/16-24 x 8/32 x 1/2	$1.25
	11678	1/4-28 x 4-40-7/16	$1.19
	11679	12-32 x 4-40-7/16	$1.19
	11680	6mm x 4-40-7/16	$1.19
	11681	10-32 x 4-40-7/16	$1.19
	11682	5mm x 4-40-7/16	$1.19

Steel Spinner Nuts

	18518	1/4-28 x 4-40-1/2	$1.95
	18519	5/16-28 x 4-40-1/2	$1.95
	20348	10mm x 25-8-32 x 9/16	$1.95
	16530	Large rudder horn	$1.45

Motor Mounts

	11664	CB15	$6.95
	11665	CB15R	$7.95
	11666	CB20	$6.95
	11667	CB30	$7.95
	11668	CB40F	$7.95
	11669	CB40R	$9.95
	11670	CB60F	$9.95
	11671	CB60R	$9.95
	15851	CB60P	$12.95
	11672	CB80	$10.95
	14459	O.S. 90 FSR	$15.95

Tail Wheel Assembly

	11673	Standard	$10.95
	16177	Heavy Duty	$11.95
	20224	Pre-Bent Heavy Duty	$16.95
	16496	5580 1/4 scale	$19.95

TOP FLITE

Airplane Kits

	13952	P-51 Mustang	$119.95
	13954	P-40 Warhark	$119.95
	13955	P-39 Aircobra	$121.95
	15791	F4-U Corsair	$145.95
	18033	A6M2 Zero	$145.95
	21867	Anteres Sailplane	$107.95
	20355	Elder 20	$56.95
	20568	Elder 40	$89.95
	21868	Wristocrat	$41.95
	21869	Kittiwake	$93.95

Opaques (6' rolls)

	14087	200 Clear	$11.90
	14088	201 Missle Red	$11.90
	14089	202 International Orange	$11.90
	14090	203 Piper Yellow	$11.90
	14091	204 Jet White	$11.90
	14092	205 Mustang Aluminum	$11.90
	14093	206 Sky Blue	$11.90
	14094	207 Insignia Blue	$11.90
	14095	208 Midnight Black	$11.90
	14096	209 Chrome	$11.90
	14097	210 Olive Drab	$11.90
	14098	211 Dove Gray	$11.90
	15787	212 Cream	$11.90
	15788	213 Maroon	$11.90
	16627	214 Forest Green	$11.90
	17879	215 Circus Pink	$11.90
	20503	216 Tan	$11.90
	21775	217 Blue Mist	$11.90
	21776	218 Dark Red	$11.90

Transparents (6' roll)

	14100	302 Sunset Orange	$11.90
	14101	303 Sunrise Yellow	$11.90
	14102	304 Sapphire Blue	$11.90
	15790	305 Crystal Red	$11.90
	16628	306 Crystal Green	$11.90

Metallics

	14103	401 Emerald Green	$13.90
	14104	402 Electric Blue	$13.90
	14105	403 Plumb Crazy	$13.90
	15789	404 Aztec Gold	$13.90
	14418	405 Copper Red	$13.90
	16629	406 Brown	$13.90
	18922	407 Charcoal	$13.90
	20504	408 Platinum	$13.90

Monokote Trim Sheets

	14109	101T Missle Red	$1.95
	14110	102T Orange	$1.95
	14111	103T Piper Yellow	$1.95
	14112	104T Jet White	$1.95
	14113	105T Mustang Aluminum	$1.95
	14114	106T Insignia Blue	$1.95
	14115	107T Forest Green	$1.95
	14116	108T Aztec Gold	$1.95
	14117	109T Midnight Black	$1.95
	14118	110T Chrome	$1.95
	14119	111T Red/White (Check)	$2.50
	14120	112T Red/Clear (Check)	$2.50
	14121	113T Black/White (Check)	$2.50
	14122	114T Black/Clear (Check)	$2.50
	15792	120T Day Glow Red	$2.50
	15793	121T Day Glow Orange	$2.50
	16631	122T Sky Blue	$1.95
	17880	123T Cream	$1.95
	17881	124T Maroon	$1.95
	17882	125T Trans. Crystal Red	$1.95
	21777	130T Blue Mist	$1.95
	21778	131T Dark Red	$1.95
	20977	26001 MCP Cleaner/Polish	$5.95

Sealing Tools

	14131	HG773 Heat Gun	$32.95
	14132	MS-2 Monokote Iron	$22.95
	15814	Replacement Shoe For Iron	$6.95
	16390	TS1-2 Trim Seal Iron	$17.95

Super Maple Props

	14015	7 x 4	$1.55
	14016	7 x 6	$1.55
	14017	8 x 4	$1.75
	14018	8 x 5	$1.75
	14019	8 x 6	$1.75
	14021	9 x 4	$1.80
	14022	9 x 5	$1.80
	14023	9 x 6	$1.80
	14024	9 x 7	$1.80
	14026	10 x 4	$1.95
	14028	10 x 6	$1.95
	14029	10 x 8	$1.95
	14030	11 x 4	$2.20
	14031	11 x 5	$2.20
	14032	11 x 6	$2.20
	14033	11 x 7	$2.20
	14035	11 x 8	$2.20
	14038	12 x 5	$2.80
	14039	12 x 6	$2.80
	14040	12 x 8	$2.80
	14041	13 x 5	$3.35
	14042	13 x 6	$3.35
	20401	13 x 8	$3.35
	14043	14 x 4	$4.45
	14044	14 x 6	$4.45

Power Props

	14049	7 x 4	$1.55
	14055	8 x 6	$1.75
	14057	9 x 6	$1.80
	14060	10 x 6	$1.95
	14061	10 x 7	$1.95
	14064	11 x 6	$2.20
	14065	11 x 7	$2.20
	14066	11 x 7 1/2	$2.20
	14072	12 x 8	$2.80

Large Diameter Props

	17884	15 x 6	$6.49
	17885	15 x 8	$6.49
	14080	16 x 6	$9.89
	18035	16 x 8	$9.89
	17888	16 x 10	$9.89
	14081	18 x 6	$11.99
	14082	18 x 8	$11.99
	14083	18 x 10	$11.99
	14084	20 x 6	$13.99
	14085	20 x 8	$13.99
	14086	20 x 10	$13.99
	17892	22 x 10	$17.19

TWINN-K

Glow Plugs

	11377	4217 GB1S Racing-Short	$3.25
	11378	4215 GB1L Racing-Long	$3.25
	11379	4227 GB2S R/C-Short	$3.25
	11380	4225 GB2L R/C-Long	$3.25
	11381	4237 GB3S Sport-Short	$2.20
	11382	4235 GB3L Sport-Long	$2.20
	11383	4247 GB4S Racing-Short	$3.25
	11384	4245 GB4L Racing-Long	$3.25
	11388	4257 GB5P 1/2A Glo Button	$2.75
	19027	4200 HoseNose Plug/Idle Cap	$4.00

Fireplug

	11392	42372 GBFP-S Plug/Chargr	$52.50
	11390	42371 GBFP-2 Fireplug	$39.00
	11391	42321 GBFP-1 Charger	$17.00

1/10 Scale Sponge Tires - (with wheels)

	21600	0203-1 Super Slicks Front	$10.00
	21601	9725-1 Super Slicks Rear	$12.50

WILLIAMS

Scale wheels-Vintage Type

	11623	126 1 1/4" Diameter	$1.35
	14668	127 1 1/2" Diameter	$2.10
	14669	128 1 7/8" Diameter	$3.25
	14670	129 2 1/2" Diameter	$5.45
	14671	130 3 1/8" Diameter	$8.40
	14672	131 3 3/4" Diameter	$11.85
	14673	132 4 3/8" Diameter	$13.85
	14674	133 5" Diameter	$14.95
	14667	675 6 5/8" Diameter	$31.45

Scale Wheels-Smooth Contour

	14675	136 3/4" Diameter	$1.20
	14676	137 1" Diameter	$1.45
	14677	138 1 1/4" Diameter	$1.65
	14678	139 1 1/2" Diameter	$2.10
	14679	140 2 1/4" Diameter	$4.38
	14680	141 2 3/4" Diameter	$6.59
	14681	142 3 1/4" Diameter	$8.79
	14682	143 3 3/4" Diameter	$12.10
	14683	144 4 1/2" Diameter	$16.79
	14684	145 5 1/4" Diameter	$20.55

Scale Wheels Golden Age

	14688	149 1 1/2" Diameter	$2.10
	14689	150 1 7/8" Diameter	$3.25
	14690	151 2 1/2" Diameter	$5.44
	14691	152 3 1/8" Diameter	$8.40
	14692	153 3 3/4" Diameter	$11.85
	14693	154 4 3/8" Diameter	$13.85
	14694	155 5" Diameter	$16.45

Wheel Accessories

	14695	156A 7" Slim Contour Pants	$5.95
	14696	156B 7" Oval Balloon Pants	$5.95
	14697	157 Midget Minnow Pants	$6.59

Scale Pilots - Military Type

	14703	170 1" Military Pilot	$1.48
	14704	171 1 1/2" Std. Pilot	$2.05
	14705	172 2" Military Pilot	$2.59

Scale Pilots - Standard Type

	14706	174 1"	$1.48
	14707	175 1 1/2"	$1.85
	14708	176 2"	$2.59
	14709	177 2 5/8"	$3.59
	16524	626 3"	$5.99

Scale Pilots - Racing Type

	14710	178 1"	$1.48
	14711	179 1 1/2"	$2.05
	14712	180 2"	$2.59
	14713	181 2 5/8"	$3.59

Scale Pilots - Sportsman Type

	14714	182 1"	$1.48
	14715	183 1 1/2"	$2.59
	14716	184 2"	$2.35
	14717	185 2 5/8"	$3.59

The Order Card

X-ACTO

14134	no. 1 3001 Knife in tube	$2.15
14137	no. 5 3005 Knife in tube	$3.80
14177	no. 81 5081 Knife set	$10.85
14178	no. 83 5083 Dluxe Knife St	$19.50
14221	no. 11 211 (5)	$1.30
14166	no. 11 611 bulk (100)	$18.50
14160	no. 26 226 (5)	$2.95
14163	no. 34 234 saw 3/4"	$2.15
14194	no. 35 235 saw 1"	$2.40
14164	no. 035 236 saw 1 1/4"	$2.75
21914	no. 75050 plier dia. cutter	$8.25
21913	no. 5088 R/C car set	$40.95
21915	no.7068 Jeweler screwdrivers	$5.95

ZAP

12331	432 Zap 1/2 oz.	$3.29
14786	430 Zap 1 oz.	$5.49
20170	428 Zap 2 oz.	$9.99
17819	433 Zap-A-Gap 1/2 oz.	$3.29
17820	431 Zap-A-Gap 1 oz.	$5.49
20171	429 Zap-A-Gap 2 oz.	$9.99
21649	601 Slip-It	$5.99

ZINGER

Three-Bladed Props

20193	1703 8 x 6	$2.70
20194	1704 9 x 6	$3.10
20195	1700 10 x 6	$3.29
20196	1701 10 x 7.5	$3.29
20197	1702 10 x 8	$3.29

Three Bladed Spinners

20217	7030 2"	$5.90
20218	7031 2 1/4"	$6.90
20219	7032 2 1/2"	$7.90

Scale Wheels

20200	4005 2"	$3.95
20201	4006 2 1/4"	$4.25
20202	4007 2 1/2"	$4.45
20203	4008 2 3/4"	$4.75
20204	4009 3"	$4.95
20205	4010 3 1/2"	$6.95

Other

20199	4002 Gasoline Additive	$1.19
20220	6000 Prop Wrench	$3.15
20221	5003 2" Elevator Horn	$1.50
20222	5004 4" Elevator Horn	$1.90
21363	Willhold RC56	$3.15
21737	Wood Working Glue	$2.65

Wood Props

12892	101 7 x 4	$1.55
12893	102 7 x 5	$1.55
12894	103 7 x 6	$1.55
12895	104 7 x 7	$1.55
12896	105 7.5 x 4	$1.60
12897	106 7.5 x 5	$1.60
12898	107 7.5 x 6	$1.60
12899	108 7.5 x 7	$1.60
12900	201 8 x 4	$1.65
12901	202 8 x 5	$1.65
12902	203 8 x 6	$1.65
12903	204 8 x 7	$1.65
12904	205 8.5 x 4	$1.70
12905	206 8.5 x 5	$1.70
12906	207 8.5 x 6	$1.70
12907	208 8.5 x 7	$1.70
12908	301 9 x 4	$1.75
12909	302 9 x 5	$1.75
12910	303 9 x 6	$1.75
12911	304 9 x 6W	$1.75
12912	305 9 x 7	$1.75
12913	401 10 x 4	$1.95
12914	402 10 x 5	$1.95
12917	403 10 x 6	$1.95
21834	P403 10 x 6 pusher	$3.18
12915	404 10 x 6W	$1.95
16673	405 10 x 6XW	$1.95
12916	406 10 x 7	$1.95
16674	407 10 x 8W	$1.95
12918	501 11 x 5	$2.20
12919	502 11 x 6	$2.20
12920	503 11 x 6W	$2.20
12921	504 11 x 7	$2.20
12922	505 11 x 7W	$2.20
12923	506 11 x 7.5	$2.20
16675	507 11 x 7.5W	$2.20
12924	508 11 x 8	$2.20
12925	601 12 x 4	$2.85
12926	602 12 x 5	$2.85
12927	603 12 x 6	$2.85
18400	604 12 x 8	$2.85
21917	608 12 x 10	$2.85
16676	701 13 x 5	$3.50
16677	702 13 x 6	$3.50
16678	703 13 x 8	$3.50
21918	704 13 x 10	$3.50
12928	801 14 x 4	$4.65
12929	802 14 x 5	$4.65
12930	803 14 x 6	$4.65
18401	804 14 x 8	$4.65
16679	901 15 x 6	$6.85
16680	902 15 x 8	$6.85
16681	903 15 x 10	$6.85
12931	1001 16 x 5	$10.10
12932	1002 16 x 6	$10.10
12933	1003 16 x 8	$10.10
12934	1004 16 x 10	$10.10
12935	120118 x 5	$14.20
12936	1202 18 x 6	$14.20
12937	120318 x 8	$14.20
12938	1204 18 x 10	$14.20
18402	1205 18 x 12	$14.20
18403	1206 18 x 14	$14.20
12939	1401 20 x 6	$16.40
12940	1402 20 x 8	$16.40
12941	1403 20 x 10	$16.40
18404	1406 20 x 11	$16.40
12942	1601 22 x 6	$18.60
12943	1602 22 x 8	$18.60
12944	1603 22 x 10	$18.60
12945	1801 24 x 6	$20.80
12946	1802 24 x 8	$20.80
12947	1803 24 x 10	$20.80

Progressive Pitch Props

21193	607 12 x 6 x 10	$2.85
21192	706 13 x 6 x 10	$3.50
21191	805 14 x 6 x 10	$4.65
21919	807 14 x 7 x 13	$4.65
21190	904 15 x 6 x 10	$6.85
21189	1005 16 x 6 x 10	$10.10
19967	1207 18 x 6 x 10	$14.20
19968	1208 18 x 8 x 14	$14.20
19969	1407 20 x 6 x 10	$16.40
19970	1408 20 x 8 x 14	$16.40
10113	22 x 8 x 14	$NPA

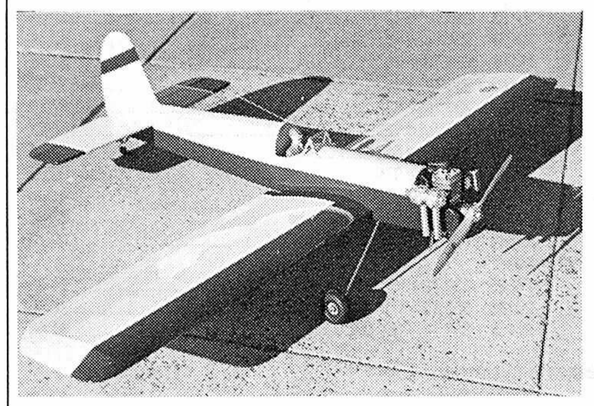
Fibreglass Props

20190	1303 9 x 6	$1.19
20191	1403 10 x 6	$1.35
20192	1506 11 x 7.5	$1.55

Spinners w/ hardware

20207	7020 1"	$2.49
20208	7021 1 1/8"	$2.69
20209	7022 1 1/4"	$2.89
20210	7023 1 3/8"	$2.99
20211	7024 1 1/2"	$2.39
20212	7025 1 5/8"	$2.79
20213	7026 1 3/4"	$3.29
20214	7027 2"	$3.79
20215	7028 2 1/4"	$4.49
20216	7029 2 1/2"	$4.89

March edition



NEW FROM WORLD!

The Enticer was designed by Dick Sarpolus and featured in Flying Models magazine. It was designed around the Maloney 125 engine and it a great flying model. Order #21502

Notes: