

Royal

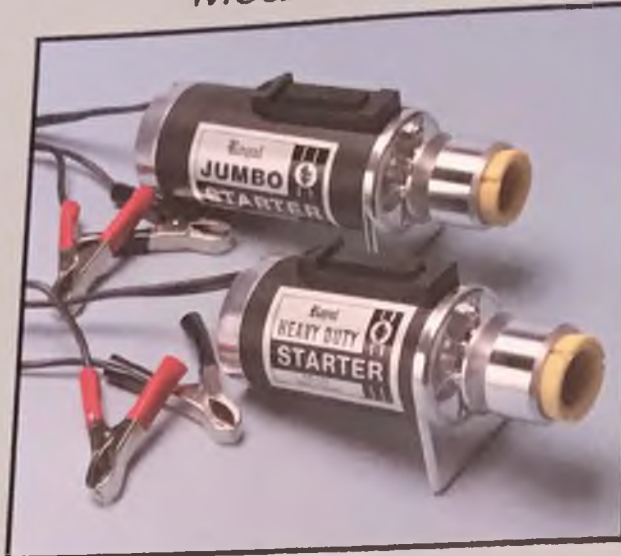
KITS & ACCESSORIES

As a discriminating modeler, it pays to compare value in the products you buy. We encourage such comparisons! Examine our quality next to the competition — compare price and we're confident you'll choose Royal!

\$5.00

ACCESSORIES

Mean on Power...but EASY on Your Budget!



ENGINE STARTERS

Features:

- Designed for 12 volt operation. Battery clips factory installed.
- Extra long heavy duty cord.
- All metal case.
- Built-in rest stand
- Non-mar tapered silicone rubber drive cone. (It fits the shape of your aircraft's spinner.) Reversible for use when starting without a spinner.

TWO MODELS TO CHOOSE FROM:

HEAVY DUTY

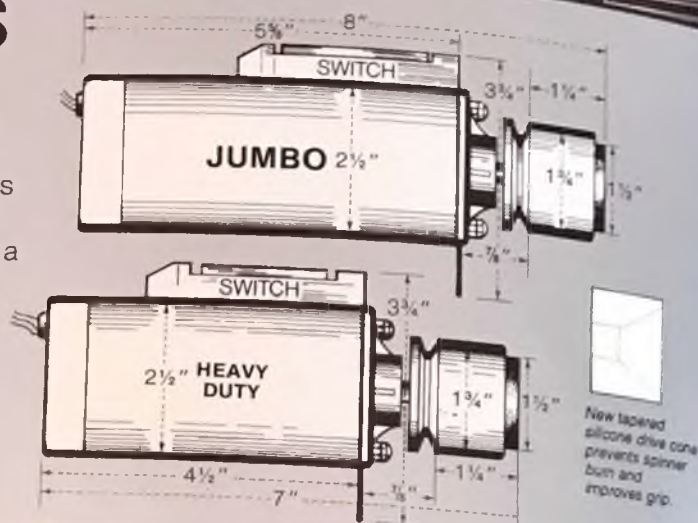
Will handle engines up to .90 displacement without a whimper.

Stock #78-461

JUMBO

Designed exclusively for 1/4 scale size engines.

Stock #78-460



COMPETITIVE PRICING

The Perfect Companion for ANY Starter

12V BATTERY and CHARGER

BIG 5.5A 12V WET CELL BATTERY

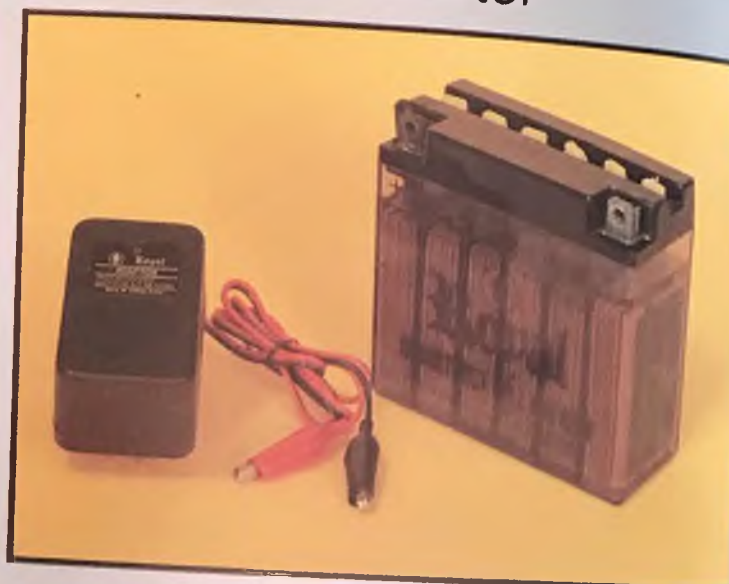
- Top Quality
- Low Price Leader — See Your Dealer For Best Price

Stock #79-238

ROYAL 12V CHARGER

- Built-In Fuse
- Charging Indicator Light
- 12V 600 MA

Stock #79-194



Pocket Size, Portable Power for Engine Starting

ENERGIZED LOCKING SOCKET

- Convenient, reliable and easily portable power source for engine starting.
- Reserve starting power for more than a day's activity at the "flying field."
- Rechargeable hundreds of times.
- Unit features Royal's unique locking socket that grips glow plug until you release it.
- Simple thumb pressure locks it on or off — no pushing or twisting necessary.
- Sturdy injection-molded case.
- Charger has indicator light that gives valuable charging information.



*Locks onto any
glow plug...
even 4-cycle
style!*

**COMPETITIVE
PRICING**

Stock #79-003

HOT HEAD ENGINE STARTING SYSTEM



*Features
Replaceable
NiCad
Battery*

It "Fires-Up" Your Engine

Features:

- Handy screw-apart holder allows replacement of NiCad batteries.
- Comes with charger.
- May be purchased with or without Sub C NiCad.
- Unit is all metal.
- Rest of features same as energized locking socket above.

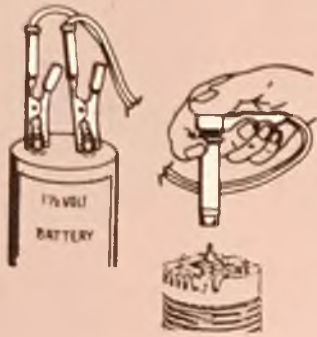
Stock #79-005



GLOW PLUG LOCKING SOCKET

It locks on and won't let go until you release it!

Designed for the discriminating modeler, this sturdy chrome-plated metal starting socket locks securely in place with just a simple press of the thumb. No pushing or twisting is required, and the Royal Locking Socket is designed to fit any standard glow plug. Handy alligator clips are included to make attachment to your starting battery more convenient. *Even locks onto 4-cycle glow plugs.*



Stock #79-009

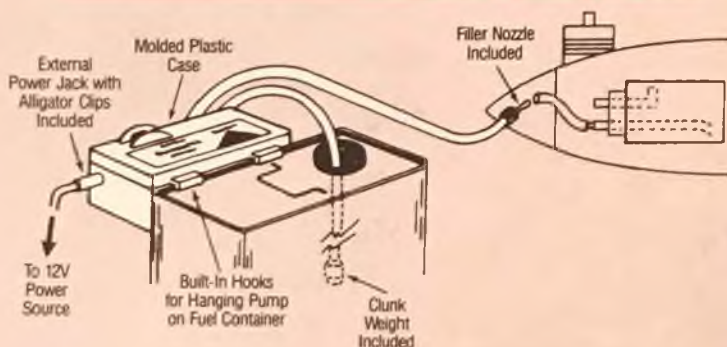


Pumps model or diesel fuel...it's all the same

ELECTRIC FUEL PUMP HIGH-SPEED 12V OPERATION



- Will fill or drain.
- 12V operation allows for high speed fueling or defueling.
- Handy phone jack lead and alligator clips make for easy battery or power panel attachment.
- Includes fuel nozzle and filtered fuel can clunker.
- Built-in hooks allow for handy fuel can attachment.
- Special space age material housing and impeller gears make the pumping of most fluids possible without fear of pump damage or jamming.
- Special screw mount bracket included for field box mounting.



Stock #79-240

Check your engine with a Royal tach

DIGITAL PHOTOCELL TACHOMETER

- Range: 100-29,000 RPM in 100 RPM increments.
- Liquid crystal readout makes for easy reading...even in bright sunlight.



Just point and read RPM

- Handy field box size.
- Uses 9-volt power supply.
- Highly sensitive photoelectric cell allows tach to be rested on ground so both hands can be used to adjust engine.
- Photoelectric cell receives refracted light from any rotating object, counts it and gives the RPM on the liquid crystal screen.

Stock #79-055



WHY USE A PHOTOCELL TACH?

- Compare engine performance using different propellers.
- Compare engine performance using different fuel or glow plugs.
- To peak out engine.
- To synchronize twin engine aircraft.
- No drag is put on engine.
- Compare performance between engines.
- You can keep a safe distance from propeller.
- Tach may be rested on ground to free both hands for engine adjustment.

ANALOG PHOTOCELL TACHOMETER

FEATURES:

- Easy read meter.
- 3 RPM ranges from 0-32,000.
- Unit will calibrate and read 2, 3 or 4 blade props.
- Tach does not put drag on engine.
- Photocell pickup allows you to keep safe distance from engine.
- For 9-volt operation.

COMPETITIVE PRICING!



STOCK #79-053

Unit Will Test Its Own Battery

When performance counts!



UNIVERSAL NiCad BATTERY REPLACEMENT PACKS

May be fast or slow charged!

- Available in flat or square configuration.
- Completely wired with lead-out wire ready for you to add the proper connector.
- 4.8 volts.
- Competitively priced.
- Pack made up of 500 SCL style NiCads.
- Top-of-the-line batteries.
- 900 SCL pack in flat or square also available.

See Price List for Stock Numbers

NiCad CELLS

- 1.2 SCL "Sub C," 500 SCL and 900 SCL styles
- Top-quality NiCad batteries
- May be fast or slow charged

500 and 1.2 NiCads come with button or solder tab ends

WET CELL BATTERIES

(Electrolyte not included)

6 VOLT-4 AMP

Perfect for Boats

2-3/8" High, 1-5/8" Wide, 3-5/8" Long
Weight: 14.5 ounces

Stock #79-236

12 VOLT-5.5 AMP

Perfect for Electric Starters

5-1/8" High, 2-1/4" Wide, 5-1/4" Long
Stock #79-238

WET CELL CHARGERS

- Efficient and inexpensive.
- Alligator clips for handy battery attachment.
- Charging indicator light.
- Two types:
 - 6 V 500 M A Stock #79-195
 - 12V 600 M A Stock #79-194 (fuse protected)

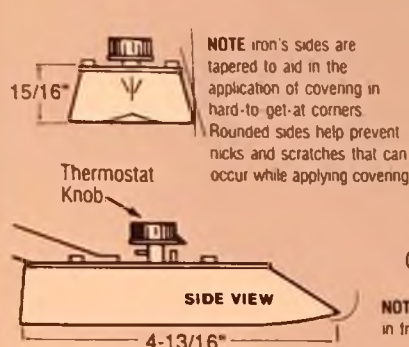


Sizzling quality priced to burn the competition

HEAT IRON

- 170 watts assures temperature range necessary to handle shrinkable fabric or film.
- Precision dial allows selection of temperatures up to 450°F and automatic thermostat locks in setting.
- Long-life ceramic components add durability.
- Extra-large teflon-coated shoe minimizes scratching of working surface.
- Special shape makes fillets and compound curves a "cinch."
- Includes handy stand to rest hot iron.

Stock #80-151



NOTE iron's sides are tapered to aid in the application of covering in hard-to-get-at corners. Rounded sides help prevent nicks and scratches that can occur while applying covering.



Extra Shoes For Iron Available (Stock #80-152) As Separate Item

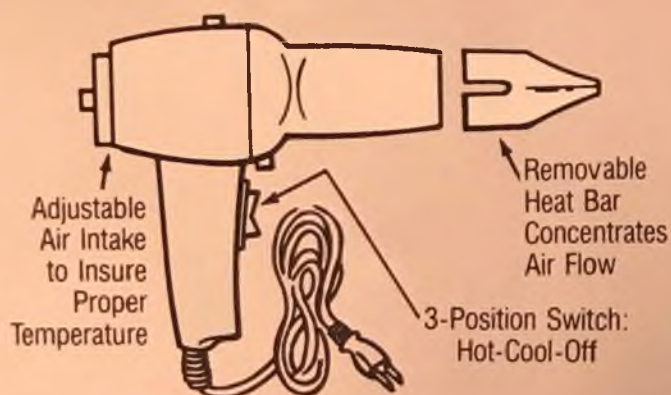
NOTE "anti-dig" upsweep in front tip



NOTE cone configuration on iron's nose to aid in application of covering in concave areas. Pointed nose gets into those hard-to-reach areas.



HEAT GUN



Stock #80-150

- Ideal for model covering application.
- Heat bar included.
- Hot/cool air control.
- Adjustable heat control baffle.
- Suitable for fabric or plastic shrink coverings.
- Lightweight, sturdy, chromed metal construction.
- Asbestos-free.
- Improved air flow and top end temperature.
- Aids in drying of glues and resins.
- Use to heat-shrink tubing.



ACCESSORIES

You can pay more, but you can't buy better TITAN II SERVOS



FEATURES:

- Twin bushing support for output shaft.
- Cold-molded gear train gives more precise movement and less gear "play."
- Isolated pot minimizes pot wear from vibration.
- Spline shaft allows for convenient external centering of output arm.

SPECIFICATIONS

	STANDARD	SHORTY	MINI	MICRO
Weight:	1.8 oz.	1.4 oz.	1.1 oz.	.9 oz.
Output Torque:	48.7 oz.-in.	44 oz.-in.	33.5 oz.-in.	27 oz.-in.
Current Drain:	8 MA	8 MA	8 MA	8 MA
Transit Time:	.24 sec/60°	.23 sec/60°	.16 sec/60°	.14 sec/60°
I.C. Chip:	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
POT:	Noble	Noble	Noble	Noble

SIZES

	STANDARD	SHORTY	MINI	MICRO
Height (to top of output):	1-7/8"	1-11/16"	1-7/16"	1-1/2"
Width:	1-5/8"	1-5/8"	1-7/16"	1-7/32"
Depth:	3/4"	3/4"	11/16"	5/8"
	Fits Futaba FPS-28 Servo Trays	Fits Futaba FPS-38 Servo Trays	Fits Futaba FPS-32 Servo Trays	Fits Futaba FPS-20 Servo Trays

TITAN II SERVOS ARE ELECTRONICALLY MATCHED WITH THE PROPER CONNECTORS TO FIT:

- Futaba AM — New MRC
- Futaba FM/"J" — Hobby Shack FM
- Airtronics XL
- Old World Engines — Old-Aristo Craft
- Jr. — Circus
- New Aristo "S" type connector, 1989 World Engines



SERVO ARMS THAT COME WITH ALL
TITAN II SERVOS

See Price List for Stock Numbers

Compare price and value

SCALE SPUN ALUMINUM SPINNERS

- Bolt-on back plate rests behind prop nut — no union nuts to worry about!
- True-balance spun aluminum.



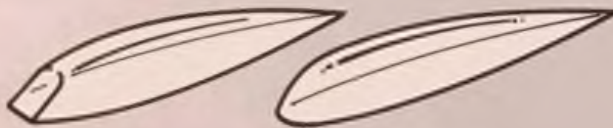
Types Available:

ZERO JR. — 2-blade style
ZERO SR./FW-190 — 2-blade style
MESSERSCHMITT SR. — 3-blade style
P-51 JR./SPITFIRE SR. — 2-blade style
STUKA — 2-blade style

See Price List for Stock Numbers

BUTYRATE CANOPIES

Molded from crystal clear Butyrate, these canopies are ideal for replacement spares or scratch building and are available in a wide selection of sizes.



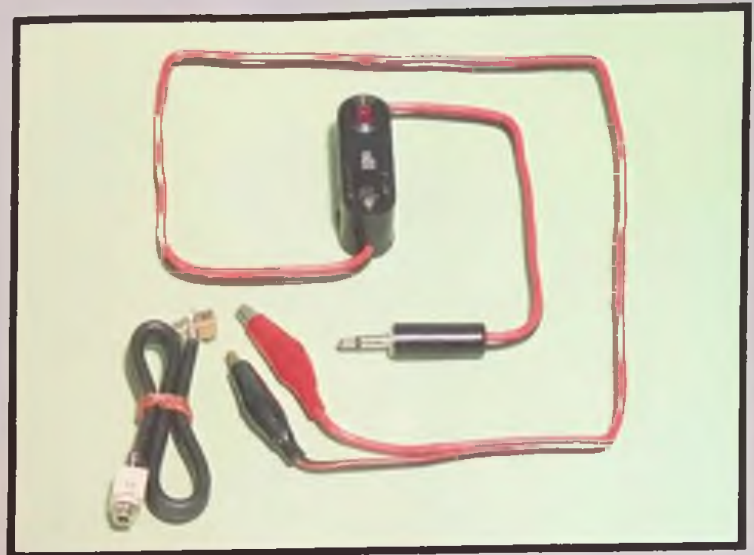
STANDARD

5" 11"
7" 13"
9" 15"

MILITARY

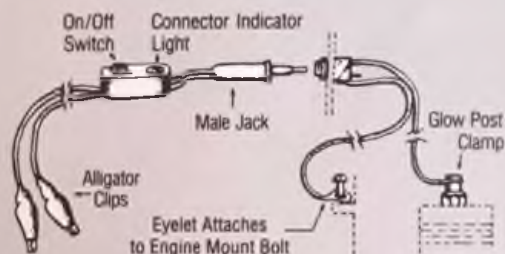
4" 7" 10" 13"
5" 8" 11" 14"
6" 9" 12" 15"
16"

See Price List for Stock Numbers



BUILT-IN GLOW PLUG STARTING HARNESS

This handy accessory lets you plug your starting battery into an external jack mounted anywhere on the outside of the aircraft's fuselage. In short, for convenience sake, it pays to have the right connections. This feature is especially handy for cowled-in or hard-to-get-at engines.



*Ideal for Helicopter or Aircraft
Remote Starting!*

Stock #79-000



ROYAL RETRACTS

- Lightweight.
- Economical.
- Adjustable axles.
- Aluminum side plates and Trunnion Block.
- Low Profile.

MAIN GEAR

Weight (per pair): 3.75 oz.
Stock #79-028

NOSE GEAR

Weight: 2 oz.
Stock #79-032

TRIKE SET

Weight (two main gears,
one nose gear): 5.75 oz.
Stock #79-056

Operate all your field accessories from a 12-volt battery

POWER PANEL

Features:

- Unit will operate starter, pump and glow clip from one 12V power source.
- Narrow profile and convenient mounting holes make for easy field box mounting
- Metered glow plug current adjustment feature.
- Will fast charge NiCad receiver and transmitter packs
- Complete control of fuel pump (on/off and flow from power panel)
- Panel's meter provides information regarding plug condition and power going to glow plug.
- Unit has molded back cover
- Fits Royal field box.
- Will not drain battery when not in use
- Comes with 6 banana plugs
- Royal 12V wet cell recommended for use with this power panel



SPECIFICATIONS

Stock #80-030	Faceplate length	6"
	Faceplate width	3-11/16"
	Panel depth	1-1/8"
	Back cover length	5-1/8"
	Back cover width	3-11/16"

ESCORT FIELD BOX

- Will hold either gallon fuel can or plastic fuel jug
- 2 big self-locking, sure-tracking drawers
- Top quality machine cut 1/4" mahogany plywood on all parts
- Adjustable padded cradles
- Vented battery compartment large enough for standard or oversize 12V wet cells
- Removable plate for handy power panel attachment (Accepts most brands.)
- Divided top storage compartment capable of holding transmitter, starter and other field accessories
- Box design lends itself readily to custom modification to suit individual tastes (Parts not included.)
- Large, easy-grip carrying handle
- Balanced box design
- Detailed illustrated construction manual
- All necessary hardware and rubber feet included

SPECIFICATIONS

Length	23"
Width	7-1/8"
Height	20"
Drawer I D	13" x 6-5/8" x 2-1/4"
Battery compartment I D	6-1/2" x 8"
Cradle adjust I D	2-3/4" - 5-1/4"



Simple, quick construction

Available in Kit or Assembled Form

Kit (Stock #80-032) or Assembled, Unpainted Form (Stock #80-033)

POWER PERFORMANCE AND PRICE!



Royal's Engine line has it all...

Royal is proud to offer this series of high performance, state-of-the-art engines. These ABC type schnuerle scavenged, double ball bearing engines offer unique versatility. They can scream through the sky on a pylon racer, yet still offer the day-to-day reliability and dependability necessary to power trainer aircraft. You may never put them to the test, but isn't it nice to know the power is there if it's ever needed?

PRICE AND RELIABILITY OF A SPORT ENGINE

Engineered specifically for sport modelers, this series runs best on 5% Nitro fuels, has massive one-piece crankshafts, is machined for quick break-in, and best of all, carries a retail price tag less than most sport engines. Stop by your local dealer, compare quality and above all, compare price!

Here's What the Experts Say:

RC Modeler — Clarence Lee

"The power figures achieved were exceptionally good, especially considering the short break-in period given the engine."

"I was quite impressed with the handling and performance of the Royal 40 and should imagine that those purchasing the engine will be also — especially when the selling price is taken into consideration."

Model Airplane News — Peter Chinn

"The engine's throttle control was excellent."

"The handling and running qualities of the Royal 40 were generally good and, in some respects, very good indeed."

"If our test sample is an example of production versions, purchasers of this moderately priced motor should be quite satisfied."

Royal maintains a complete parts and service center

ENGINES

Power, Price



Stock #79-650

.40 R/C ENGINE

Schnuerle Ported ABC Style

- Comes with adjustable direction muffler
- Tool set, instruction manual/parts list included.



Stock #79-651

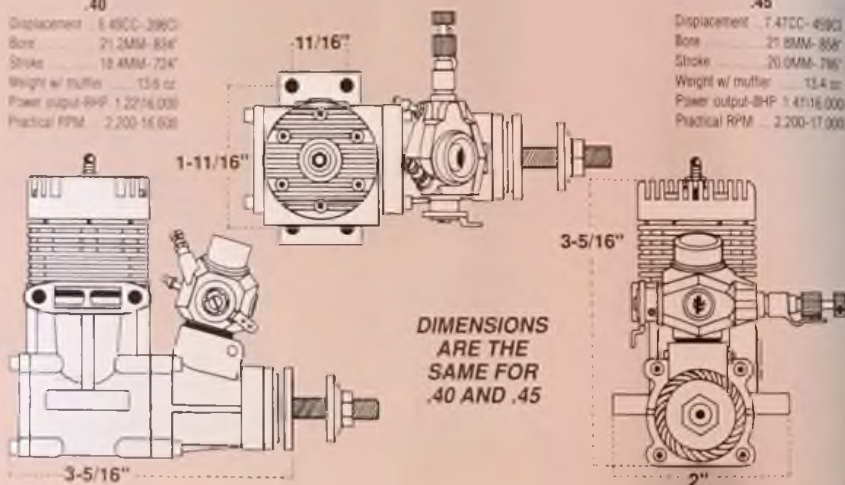
.45 R/C ENGINE

Schnuerle Ported ABC Style

- A little extra power for those who need it.
- Fits same mount as .40.
- Directional adjustable muffler included and tool set included.

.40
 Displacement . . . 5.49CC-3960
 Bore 21.2MM-834"
 Stroke 18.4MM-724"
 Weight w/ muffler . . . 13.6 oz
 Power output-BHP . . 1.22/16,000
 Practical RPM . . . 2,200-16,000

.45
 Displacement . . . 7.47CC-4590
 Bore 21.8MM-858"
 Stroke 20.0MM-786"
 Weight w/ muffler . . . 13.4 oz
 Power output-BHP . . 1.47/16,000
 Practical RPM . . . 2,200-17,000



ENGINES

and Performance



Stock #79-652

.25 R/C ENGINE

Schnuerle Ported ABC Style

- Comes complete with muffler and tool set.
- All the same great features as the .40 and .45 engines.



Stock #79-659

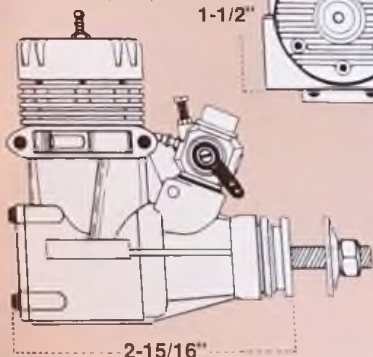
.28 R/C ENGINE

Schnuerle Ported ABC Style

- A little extra power for those who need it.
- Comes with muffler and tool set
- Fits same motor mount as the .25 R/C.

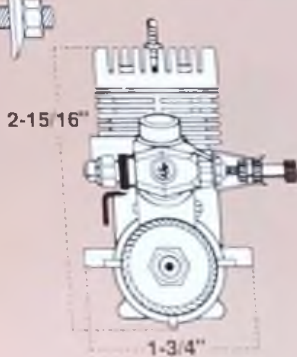
.25

Displacement 4.07CC - 248CI
Bore 18.0MM - .708"
Stroke 16.0MM - .630"
Weight w/ muffler 10.2 oz.
Power output-BHP 6/15,800
Practical RPM 2,500-16,000



.28

Displacement 4.57CC - 279CI
Bore 18.5MM - .728"
Stroke 17.0MM - .669"
Weight w/ muffler 10.6 oz.
Power output-BHP 6/15,500
Practical RPM 2,300-17,000



**DIMENSIONS
ARE THE
SAME FOR
.25 AND .28**

ENGINES



Stock #79-603

.21 CAR ENGINE SCHNURLE PORTED ABC STYLE

- Twin ball bearings.
- Oversize heat-sink head for cooler running.
- Will accept standard Car mufflers (not included), designed for O.S. or similar engines.
- ABC and Schnurle Ported features provide extra RPM for the serious racer.
- Shaft size and mounting lugs same as O.S. to allow adaptation to most R/C gas buggies.



28 Stock #79-607

46 Stock #79-606

.46 and .28 HELICOPTER ENGINE SCHNURLE PORTED ABC STYLE

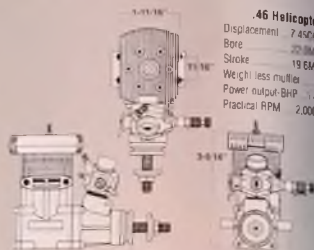
- Twin ball bearings.
- Oversize heat-sink head for cooler running.
- Will accept standard helicopter mufflers (not included).
- ABC and Schnurle Ported features provide extra power and RPM necessary to achieve maximum flight performance.

.21 Car Engine
Displacement 3.55CC - 217CI
Bore 16.8MM - 661"
Stroke 16.0MM - 630"
Weight less muffler 12.3 oz
Power output BHP 1.126.000
Practical RPM 2,500-29,000

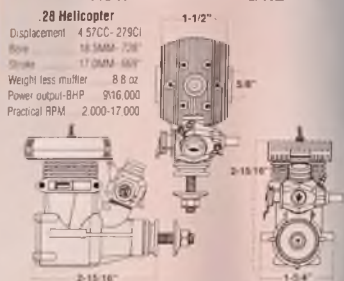


.21 CAR ENGINE

.46 Helicopter
Displacement 7.45CC - 444CI
Bore 20.0MM - 787"
Stroke 19.6MM - 771"
Weight less muffler 11.8 oz
Power output BHP 1.416.000
Practical RPM 2,000-17,000



.46 HELICOPTER ENGINE



.28 HELICOPTER ENGINE

R/C CARS

"CRUSHER" 4-WHEEL STEERING OFF-ROAD 1/10 SCALE MONSTER TRUCK

SPECIFICATIONS

Length 18"
Width 12-1/2"
Height 12-3/4"
Weight 5 lb. 1 oz.
Tire diameter 5-1/4"
Tire width 3-1/4"

Stock #79-624

4 wheel drive
option available at
nominal cost
Stock #80-075



Features:

- Reinforced chromed flexible nylon resin bumper.
- Twin wishbone suspension molded from reinforced nylon.
- High traction semi-pneumatic synthetic rubber tires with road digging tread design.
- Special reinforced nylon resin hub.
- Extra heavy duty ball link tie rods with easy adjusters for fast, convenient wheel alignment.
- Sealed transmission includes differential gear.
- High strength ABS resin frame.
- Three step forward and three step reverse speed control with silver contacts included.
- Easy access, open type servo mount.
- Special chromed reinforced nylon resin roll bar.
- For use with BEC 2-channel radio systems.
- Polycarbonate Ford F150 truck body is strong enough to withstand almost any type of abuse.
- Includes powerful Mabuchi RS-540 motor, but will accept most custom style racing motors.
- 4-wheel steering makes cornering with the Crusher's giant tires a cinch.
- Includes super decal set with general markings and special custom decals.
- Chrome rims and roll bar standard.
- Super detailed instruction manual that includes detailed written instructions and exploded view line drawings on assembly.
- Includes special price offer on 'Crusher Iron-on Transfer' to allow customizing of T-shirts, etc.
- Complete parts inventory always on hand.

CONNECTORS

- Tamiya style connector male and female with 4' silicone lead on battery end.
- Tamiya style connector male with 4' silicone wire lead.
- Tamiya connector female with 4' wire lead.



See Price List for Stock Numbers

ROYAL... Just for Fun

Ripping the competition in Price and Performance

RIPPER

R/C 4X4 OFF-ROAD RACER



Stock #79-444

PREWIRED RACING
NiCad PACKS

LOW PRICE
LEADER



- Internal battery design is built to take repeated fast charges. This design translates into a safer, higher quality product.
- Packs use the best multistrand, heavy gauge, high temp silicone wire with Tamiya style connector.
- Cells are top line, extra high capacity and are computer matched.
- Pack construction uses insulation between cells to minimize the possibility of shorts.
- The price is extremely competitive!
- Available in 7.2V flat or camel or 8.4V flat or twin camel configuration, using 1500 MAH capacity cells.
- Suitable for all 1200 MAH operational requirements.

(See Price List for Stock Numbers)

- The Ripper is a 1/10 scale electric powered four-wheel drive and four-wheel steering racing buggy that incorporates shaft drive and twin differentials, assuring maximum and efficient distribution of power to all wheels. Length: 16-3/4" Width: 9-1/2" Height: 5-3/4" Weight: 3 pounds, 11 ounces.
- Four-wheel drive and four-wheel steering makes high speed control easier than two-wheel drive and provides stable off-road handling and traction.
- Differential gears are used in both transmissions to maximize cornering characteristics and general handling. Both front and rear transmissions are sealed to keep out foreign matter and keep transmission gears clean.

- Twin wishbone suspension is protected by a coil spring mono shock and oil damper.
- Mabuchi RS-540S motor assures high performance running, but motor mounts will accept most of the custom style racing motors for added performance.
- ABS resin frame, roll bar and suspension are engineered from tough plastics to assure long life and withstand rugged continuous use.
- Polycarbonate body and wing are flexible enough to withstand almost any type of abuse.
- Detailed and unusual decal set included.

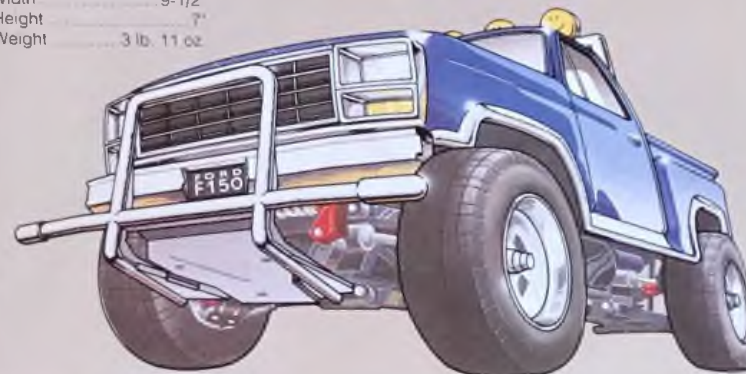
Large Parts Inventory Always on Hand!

FORD RANGER F150

4-WHEEL DRIVE OFF-ROAD TRUCK

SPECIFICATIONS

Length	16-3/4"
Width	9-1/2"
Height	7"
Weight	3 lb. 11 oz.



Stock # 79-429

Features:

- Reinforced flexible nylon resin bumper.
- Adjustable coil spring mono shock with oil dampening protection.
- Twin wishbone suspension molded from reinforced nylon.
- High traction semi-pneumatic synthetic rubber tires with road digging tread design.
- Special reinforced nylon resin hub.
- Extra heavy duty ball link tie rods.
- High strength ABS resin frame.
- Three-step forward and three-step reverse speed control with silver contacts included.
- Easy access open type servo mount.
- High performance, powerful Mabuchi RS-540S motor. Motor mount will accept most optional racing motors.
- Shaft drive.
- Front and rear sealed gearbox includes differential gear.
- Special reinforced nylon resin roll bar.
- Polycarbonate body is flexible enough to withstand almost any abuse.
- Chrome rims.
- 4-wheel drive.
- Assembly manual contains written detail and illustrations.
- For use with BEC radio systems.
- 1/10 scale.

ROYAL... Just for Fun

R/C CARS

A/C D/C FAST CHARGERS

Your Best Dollar Value

① MODEL 101 QUICK CHARGER

This unit has all the needed charging features, including adjustable charge rate.

Stock #80-027

② MODEL 102 QUICK CHARGER

This is a basic AC/DC charger that is metered, but does not have adjustable charge rate.

Stock #80-028

③ MODEL 104 A/C D/C PEAK QUICK CHARGER

As our top line charger, the 104 electronically senses the condition of the battery pack and shuts off at peak charge. This feature eliminates the danger of overcharging. It has an external heat sink which cools the unit enough to allow repeated fast charges.

Stock #80-029



Common Accessories for All Quick Chargers

OVERNIGHT CAR CHARGER

Ideal for Charging 6V, 7.2V or 8.4V Car Packs

Features:

- Inexpensive overnight charging.
- Use to "top off" a fast charge.
- Use to extend battery life of car packs by slow charging after every 10 fast charges.
- Unit has charging indicator light.
- Comes with Tamiya style connector.
- Charger plugs directly into wall electrical outlet.



Low Price Leader

Common Features for All Three Models:

- Can be powered by A/C or D/C current.
- Chargers include choice of D/C power cords, cigarette lighter plug or alligator clip.
- Chargers are fuse protected.
- Will fast or slow charge 6V, 7.2V or 8.4V car NiCad packs.
- Comes with Tamiya style connectors.
- Includes discharge feature for cycling battery packs.
- Units automatically convert to trickle charge when fast charge is completed.
- Built-in jacks for volt meter attachment.
- Charger's meter indicates charge or discharge rate.

ALMOST READY TO FLY

Open the Box and You're Almost Done!

PDQ SERIES



A Few Hours Away from Flight Ready!

With 90% of the building completed, all that's left to do is join the wing halves, attach the fin and stabilizer, bolt in the engine and install the radio unit. No painting, no sanding, no covering and nothing other than radio and engine to buy.

PDQ Kits Come Complete
Spinner, fuel tank, wheels, push rods and all necessary hardware is included.



High-Gloss Plastic Laminate Foam Envelope Construction

The basic PDQ structure is jig built by professional craftsmen using select balsa and plywood. The aircraft is then covered with a preprinted high-gloss plastic/foamboard laminate. The end result is a light, strong structure that, with proper care, stays beautiful — flying season after flying season.



Flies Straight and True

Jig construction and careful design selection assure desirable flight characteristics.

AS EASY AS ONE, TWO, THREE



1. Join wing halves.



2. Glue tail feathers into position



3. Install Radio and engine

Individual component parts are available as separate items, so no need to worry about time-consuming repairs.



CHIPMUNK .25

Specifications:

Wing span	51-1/2 inches
Fuselage length	40 inches
Wing area	425 sq. in.
Engine25-.40 2-cycle
	.40 4-cycle
Radio	4 channel
Weight	4-1/2 lbs.

Stock #79-435



CHIPMUNK .40

Specifications:

Wing span	59 inches
Fuselage length	43-3/4 inches
Wing area	573-1/2 sq. in.
Engine40-.45 2-cycle
	.60-.90 4-cycle
Radio	4-5 channel
Weight	5-1/2-6 lbs.

Stock #79-425



Features:

- 90% factory assembled.
- Accurate semi-scale model.
- Chipmunk .40 model comes with retract option.
- All necessary hardware, including wheels, tank, motor mount, pushrods, etc. contained in kit.
- Beautiful prepainted, high-gloss, fuel-proof finish.
- All surfaces pre-hinged.
- Light-weight foam/plywood construction.
- Illustrated step-by-step instruction manual.
- Easy-to-fly, but highly maneuverable.





TELSTAR .25

Specifications:

Wing span	50 inches
Fuselage length	43 inches
Wing area	443.5 sq. in.
Engine25-.40 2-cycle
	.40 4-cycle
Radio	4-5 channel
Weight	4-1/2 lbs.

Stock #79-436



TELSTAR .40

Specifications:

Wing span	58.4 inches
Fuselage length	51 inches
Wing area	593.6 sq. in.
Engine40-.45 2-cycle
	.60 4-cycle
Radio	4-5 channel
Weight	5-1/2-6 lbs.

Stock #79-450

Retract Option Stock #79-056



Features:

- Buy today, fly tomorrow assembly.
- Set-up for retractable landing gear — fixed gear supplied.
- All necessary hardware, including wheels, tank, motor mount, etc. contained in kit
- Light-weight foam/plywood construction.
- Beautiful prepainted, high-gloss, fuel-proof finish.
- All surfaces pre-hinged.
- Illustrated step-by-step instruction manual included.
- Easy-to-fly, but highly maneuverable.



ALMOST READY TO FLY



CESSNA .40

Stock #79-449

CESSNA and CHEROKEE FEATURES:

- Buy today, fly tomorrow assembly.
- Accurate semi-scale model.
- All necessary hardware, including wheels, tank, motor mount, etc., contained in kit.
- Light-weight foam/plywood construction.



Specifications:

Wing span	61-1/2 in.
Wing area	615 sq. in.
Fuselage length	46-1/2 in.
Engine Size	40- 45 2-cycle 60 4-cycle
Radio	4 channel
Weight	5-1/2-6 lbs.

- Beautiful pre-painted, high-gloss, fuel-proof finish.
- All surfaces pre-hinged.
- Illustrated step-by-step instruction manual included.
- Easy-to-fly, but highly maneuverable.
- Wheel pants included with Cessna.



CHEROKEE .25

Stock #79-430



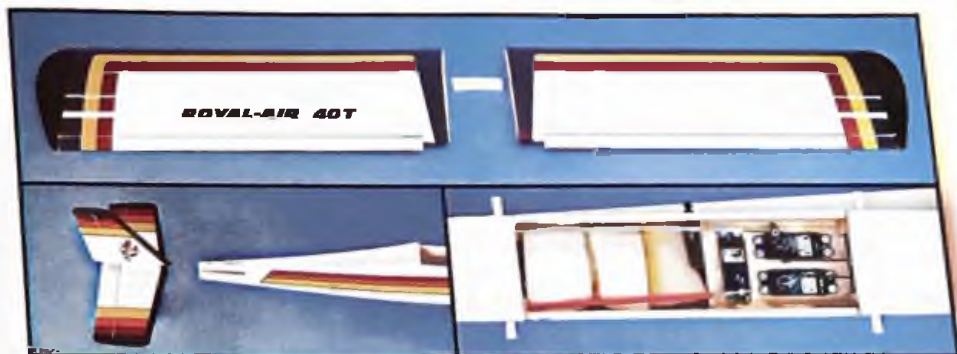
Specifications:

Wing span	52 in.
Wing area	468 sq. in.
Fuselage length	39-1/2 in.
Engine Size	25- 40 2-cycle 40- 46 4-cycle
Radio	4 channel
Weight	4-1/2 lbs.

ROYAL..

ALMOST READY TO FLY

All Wood, Almost Ready-to-Fly
ROYAL-AIR SERIES



MODULAR SECTIONS MAKES IT ALL EASY

In just a few short hours, the Royal-Air Series can be ready-to-fly. All that's left to do is assemble the wing, glue the tail feathers into position, install the landing gear, engine and radio. 90% of the work has been completed for you by factory trained craftsmen.



ALL WOOD TRADITIONAL CONSTRUCTION WITH FACTORY INSTALLED PRE-PAINTED COVERING!

The Royal-Air Series is hand constructed just like a conventional balsa wood kit. The components are jig constructed to assure trueness, and all materials are hand selected to match the proper grade wood with its intended use on the aircraft. The aircraft is factory covered with a pre-painted polyester film.



GOOD FLIGHT CHARACTERISTICS

The Royal-Air Series is designed for training or sport use. The high wing designs are the easiest, while the low and shoulder are for more experienced sport fliers. Because of the wood construction, Royal-Airs are repairable, should minor crash damage occur. Individual component parts are also available as separate items.

Just for Fun



ROYAL-AIR 20T^{Mk. II} SERIES

Price, Performance, Prefabrication—This ARF Trainer Has it All!

Specifications:

Wing span50-1/2 in.
Wing area437.5 sq. in.
Fuselage length36 in.
Engine20-35
Radio4 channel
Weight3-1/2-4 lbs.
STOCK #79-445

- Plywood fuselage sides for added strength.
- Trainer design with flat bottom airfoil.
- Wheels, tank, motor mount and pushrods included.
- Sturdy jig-built balsa/plywood construction.

Features:

- Pre-covered with a multi-colored polyester film.
- Buy today — fly tomorrow assembly.
- Colorful paint scheme on both sides of wing.

ROYAL-AIR .20 SIZE AIRCRAFT



.20H HIGH WING

Suitable for Training or Sport

Stock #79-437



.20S SHOULDER WING

Sport Aircraft

Stock #79-438



.20L LOW WING

Sport Aircraft

Stock #79-439

Features:

- Semi-symmetrical airfoil.
- Buy today — fly tomorrow assembly.
- All necessary hardware including wheels, tank, spinner, motor mount, and pushrods are contained in kit.
- Sturdy jig-built balsa/plywood construction.

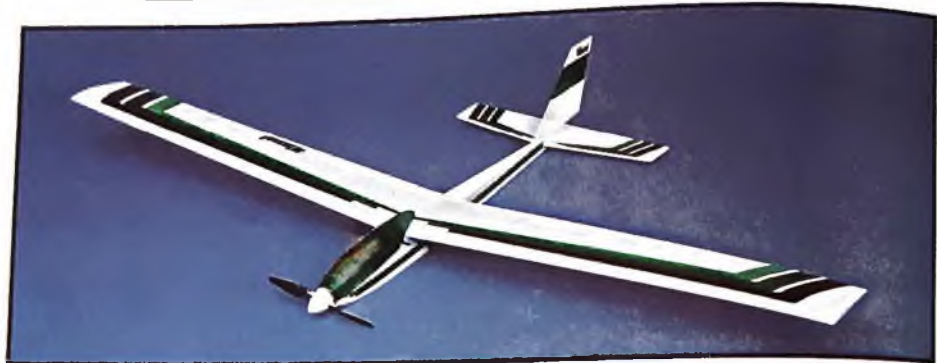
- Model pre-covered with an attractive multi-colored special polyester film with color design on both sides of wing and stab.
- All control surfaces are pre-hinged
- Illustrated step-by-step instructions

Specifications for All Styles:

Wing span50 in.
Wing area437-1/2 in.
Fuselage length36 in.
Engine Size19- 25
Radio4 channel
Weight3-1/2-4 lbs.

ALMOST READY TO FLY

ROYAL-AIR ELECTROSOAR



FLY IT ANYWHERE!

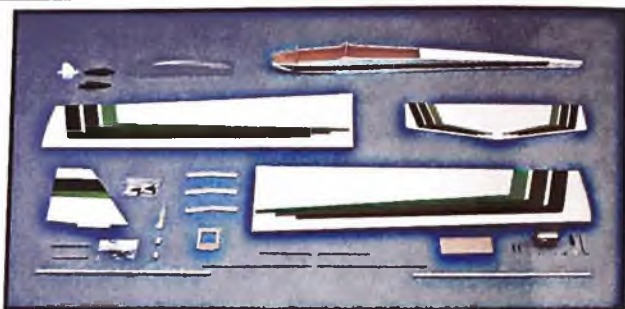
Easy to fly, quick assembly coupled with clean, silent electric power.

FEATURES:

- Silent electric power and slow, gentle flight characteristics make this model a perfect candidate for "school yard" use. Any open area can become your flying field — there is no need to drive all the way to the local model airplane field with the ELECTROSOAR!
- Model comes with basic hardware package.
- Comes complete with spinner, folding prop, electric motor and wiring harness.
- Quick build, modular construction.
- Sturdy jig-built balsa/plywood construction.
- Pre-covered with a multicolored polyester film.
- Good beginner/fun fly aircraft.

SPECIFICATIONS:

Wing span 66-1/2 in.
Wing area 495 sq. in.
Fuselage length 40-1/4 in.
Power Electric
Radio 2-3 channels
Weight (ready to fly) 35-40 oz.



Stock #79-536

ROYAL..

ALMOST READY TO FLY

ROYAL-AIR EASYSOAR

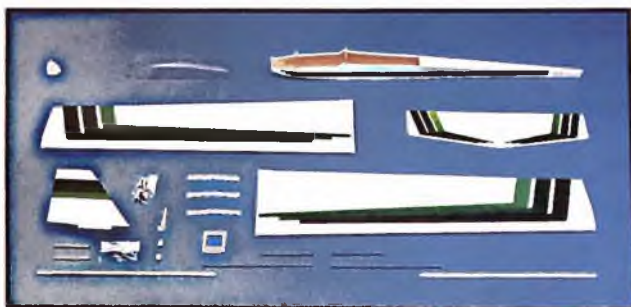


FOR SAILPLANE FUN!

Open the box and you're almost done.

FEATURES:

- Designed for light duty, high start use.
- Buy today — fly tomorrow assembly.
- Pre-covered with a multi-colored polyester film.
- Good beginner, fun fly aircraft.
- Sturdy jig-built balsa/plywood construction.
- Basic hardware package included.



SPECIFICATIONS:

Wing span	66-1/2 in.
Wing area	495 sq. in.
Fuselage length	40-1/4 in.
Power	High start launch
Radio	2 channels
Weight	25-30 oz.

Stock #79-537

.. Just for Fun

ROYAL-AIR POWERSOAR



Stock #79-538

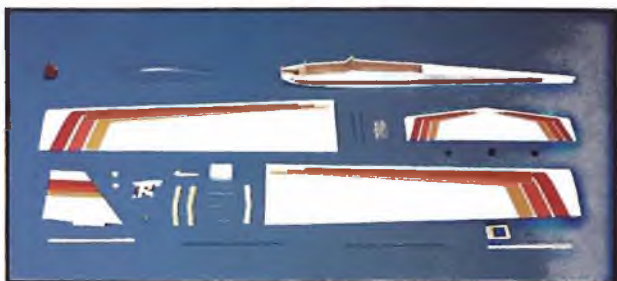
A GAS POWERED SAILPLANE *Quick Modular Assembly and Easy Flying!*

FEATURES:

- Buy today — fly tomorrow assembly.
- Sturdy jig-built balsa/plywood construction.
- Pre-covered with a multi-colored polyester film.
- Good beginner, fun fly aircraft.
- Basic hardware package included.

SPECIFICATIONS:

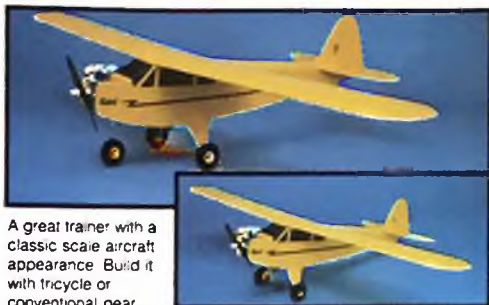
Wing span	66-1/2 in.
Wing area	495 sq. in.
Fuselage length	40-1/4 in.
Power049-.10
Radio	2-3 channels
Weight	35-40 oz.



Easy to Fly! Easy to Build! ROYAL TRAINAIRE CUB KIT

FEATURES:

- All parts fully machine cut — no die cutting.
- Solid balsa tail surfaces.
- One piece spar construction — no complicated sheer webs.
- Universal motor mount design included.
- Fully illustrated, super detailed construction manual designed for the novice.
- Detailed full size plans.
- Comes with complete hardware package, including collars, aileron linkage, control rods, hinges, kwik links, steerable tail wheel assembly and engine mounting hardware.
- Extra roomy fuel and radio compartments.
- Rubber band on wing with illustrated "bolt-on" option.
- Flat bottom air foil "GREAT FOR THE BEGINNER."
- Amazing construction simplicity produces quick, accurate results.
- Top grade balsa and plywood parts.
- Can be constructed with tricycle gear or conventional gear.



A great trainer with a classic scale aircraft appearance. Build it with tricycle or conventional gear.



SPECIFICATIONS: Stock #79-540

Wing span	69-1/4 in
Wing area	715 sq. in
Fuselage length	45 in
Power	40- 45 2-cycle
	40- 80 4-cycle
Radio	4 channel

ELECTROSOAR II KIT

FEATURES:

- All machine cut parts.
- Solid tail surfaces.
- Full size plans and detailed pictorial instructions.
- Includes basic hardware and electric motor with wiring harness.
- Top grade balsa and plywood.

SPECIFICATIONS:

Wing span	73-1/4 in
Wing area	559 sq. in
Fuselage length	38-3/4 in
Radio	2-3 channel
Power	Electric



Stock #79-541

THE FINEST IN SCALE, SEMI-SCALE and SPORT SCALE

Pictured on the following pages, you will find one of the largest assortments of scale R/C kits on the market today. This growing line includes many World War II, Vintage and Civilian aircraft. All are designed to be actual scale replicas, although with less time and effort, they may be constructed as sport or semi-scale. All are carefully engineered to perform well in the air, but by nature of their particu-

lar scale lines, some are more aerobatic or more stable than others.

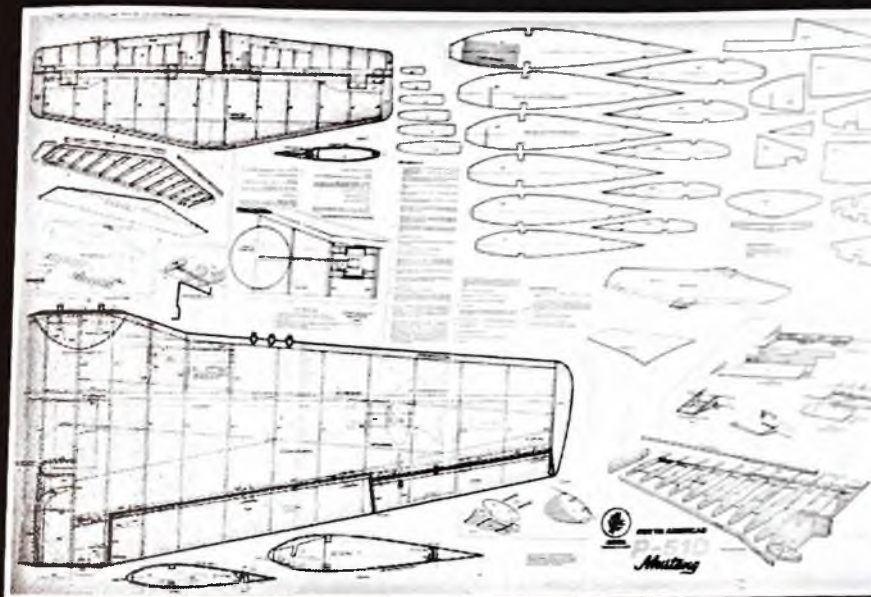
The kit layouts pictured on this page will attest to the prefabrication and completeness, but the kits must be examined first hand to appreciate the craftsmanship and select materials contained within. In short, we feel our line is the Royalty of the Airways. Go first class — fly with Royal!

This is Where it All Starts

These photos of typical Royal kits show that many parts are still hand cut and sorted by bag or wrapped with paper binders. Plywood parts are die cut with such clean precision that the Royal line continues to set a precedent for the industry. Many kits contain our exclusive color data sheets, super detailed water transfer decal sets with optional paint schemes, crystal-clear Butyrate canopies with molded-in detail lines, spun aluminum cowls and cockpit interiors. The detailed kit descriptions explain which kits contain these added features.



Typical set of plans for Royal Scale kit. Note retract flap and scale information detail. Also note that all rib and bulkhead views are shown on plans to aid in scratch building or repair should it be necessary.



Royal Scale from the Outside-In! COMPLETE MICRO-DETAILED COCKPIT INTERIORS

Molded with the detail conscious scale modeler in mind, these new cockpit kits are designed to fit perfectly into Royal (or similar size) aircraft. The kit comes complete with gauges, seat, seat belts, all control features located on the dash, floor, sides and rear of the cockpit. Detailed painting and assembly instructions are included. Molded in fast-to-assemble sections which for a little extra time will give a truly outstanding touch to your scale project. Available at your local dealer.

COCKPIT INTERIOR KITS

• Corsair Sr. 1-3/4" = 1'	78-401
• Corsair Jr. 1-1/4" = 1'	78-411
• Corsair Mini 1/2A Size	78-413
• B-17F 3/4" = 1'	78-427
• P-38 1-3/8" = 1'	78-405
• P-51D Sr. 1-3/4" = 1'	78-400
• P-51D Jr. 1-1/2" = 1'	78-409
• P-51D Midi 1-1/4" = 1'	78-410
• P-51D Mini 1/2A Size	78-414
• Spitfire Sr. 1-3/4" = 1'	78-402
• B-25 1-1/8" = 1'	78-428
• Bearcat 1-3/4" = 1'	78-403
• FW-190 1-3/4" = 1'	78-404
• Zero Sr. 1-3/4" = 1'	78-406
• Zero Jr. 1-1/3" = 1'	78-407
• Zero Midi 1.2" = 1'	78-408
• Zero Mini 1/2A Size	78-415
• Cessna Jr. 1-1/2" = 1' (fits 182, 172, Colt)	78-417
• Cessna Sr. 2" = 1' (fits 182, 206, Skymaster, Colt)	78-416
• Cessna 310Q 1-3/4" = 1'	78-429

MOLDED SCALE ACCESSORIES

• Super Chargers for B-17 (4/set)	78-425
• 1/2A Drop Tanks w/ hangers (2/set)	78-426
• 500 KG Bomb w/ hangers	78-419
• Corsair, P-40 Drop Tank w/ hangers	78-420
• P-51 Wing Mount Tank (2/set)	78-421
• 100 lb. Bomb w/ hangers (4/set)	78-422
• 250 lb. Bomb w/ hangers (4/set)	78-423
• Dummy Corsair Radial Engine	78-424

Cockpit interiors and molded accessories are included in appropriate kits and are so noted in kit descriptions



PERFECT FOR
4-CYCLE ENGINES!

CURTISS P-6E HAWK



Stock #79-648

SPECIFICATIONS

Engine Size	60-90 2-cycle 90 4-cycle
Wing Area	1010 square inches
Wing Span	63 inches
Fuselage Length	43-1/2 inches
Scale Ratio	2" = 1'

FEATURES

- Super detail water transfer decal set included for 2 paint schemes — plus stencil markings!
- Full-size plans chock-full of extra scale info.

HISTORY

As one of the most famous bi-plane designs to appear between the two world wars, this graceful machine was in production for over a decade. The Curtiss Hawk Fighter was developed from the line of racing planes Curtiss built for the military in the early 1920's.

BOEING STEARMAN PT-17

DESIGNED FOR
4-CYCLE ENGINES!



Stock #79-433

SPECIFICATIONS

Engine Size	60-90 2-cycle 90-120 4-cycle
Wing Area	1,348 square inches
Wing Span	68-3/8 inches
Fuselage Length	53-1/8 inches
Scale Ratio	2.12" = 1'

FEATURES

- Super detail water transfer decal set included for two versions.
- Dummy engine cylinders included.

HISTORY

Used extensively during the early 1940's as a military flight trainer, this famous aircraft also saw post-war duty as a stunt plane and crop duster.

VINTAGE SCALE

1910 BLÉRIOT

1910
BLÉRIOT
SCALE RADIO CONTROL AIRCRAFT KIT



SPECIFICATIONS

Stock # 79 306
Engine Size

Large

35- 40 2-cycle
40- 60 4-cycle
564 square inches
51-9/16 inches
47-3/4 inches
1-7/8" = 1'

Wing Area
Wing Span
Fuselage Length
Scale Ratio

Stock # 79 287

Small

Engine Size .09- 15 2-cycle
Wing Area 356 square inches
Wing Span 46 inches
Fuselage Length 34-1/4 inches
Scale Ratio Semi-scale

FEATURES

- Spruce and balsa construction
- Small version comes with spoke wheels

HISTORY

Relying more on determination and luck than knowledge of aerodynamics, Louis Blériot designed and produced the world's first successful "true monoplane." This 1908 achievement gave birth to future record-setting versions and eventually led to the aircraft that gained world-wide recognition by crossing the English Channel.

STINSON

RELIANT SR-8 \ SR-9



STINSON
SR-8
RELIANT
RADIO CONTROL AIRCRAFT KIT
May Be Constructed Scale or Semi-Scale

SPECIFICATIONS

Engine Size 60- 90 2-cycle
90- 120 4-cycle
Wing Area 1,017 square inches
Wing Span 84-1/3 inches
Fuselage Length 53-7/8 inches
Scale Ratio 1/6 Scale

FEATURES

- Perfect for 4-cycle engines.
- Beautiful flight characteristics.
- Super detail decal set for two versions included.
- May be constructed as SR-8 or SR-9 version.

Stock # 79-434

HISTORY

A revolutionary mating of the unique Sesqui-Spar wing with the familiar Reliant fuselage produced what became known as the legendary Gull Wing Stinsons. Pilots claimed the design had the "stability of a bridge" and "rode rough air like an ocean liner." All in all, however, it was the Stinson's staunch, business-like pose tempered with its graceful lines and aerial handling that was its main claim to fame.

ROYAL...

BOEING P-26A PEASHOOTER

DESIGNED FOR
4-CYCLE ENGINES!

BOEING P-26A PEASHOOTER

RADIO CONTROL AIRCRAFT KIT

May Be Constructed Scale or Semi Scale



Stock #79-447

SPECIFICATIONS

Engine Size	60-90 2-cycle .90-1.20 4-cycle
Wing Span	67 inches
Wing Area	868 square inches
Fuselage Length	56-1/8 inches
Scale Ratio	1/5 scale

FEATURES

- Super detail water transfer decal set for 2 versions plus complete military stencil markings included.
- Spun aluminum cowl.
- Dummy scale radial engine included
- Molded wheel pants included.

HISTORY

As one of the greatest monuments in American fighter designs, the P-26 has the rare distinction of holding not only a number of "firsts," but a number of "lasts." It was the first all-metal fighter and the first production monoplane in its class. It was the last with an open cockpit, an externally supported wing and with fixed gear. For Boeing, it was the last production fighter they produced, and at the same time it was the first pursuit aircraft that was not developed under a standard Army Air Corps experimental contract. The term "Peashooter" was often applied to a single-seat pursuit aircraft, but in a historical context, the term is generally reserved for the P-26 alone.

ON THE DRAWING BOARD



CURTISS
P40-E FLYING TIGER

Designed around .90 4-cycle

GRUMMAN
F6F HELLCAT

Designed around .90 4-cycle



NORTHROP
P61 BLACK WIDOW

Designed around twin .60 2-cycle or .90 4-cycle

MILITARY SCALE

CHANCE VOUGHT F4U CORSAIR

CHANCE VOUGHT

F4U-1A

CORSAIR

RADIO CONTROL AIRCRAFT KIT

Model Air Construction Scale to Semi Scale



Box 1 of 2

ROYAL
QUALITY
KITS

NO SCALE UP WITH
KIT FEATURES

1/5 SCALE SPECIFICATIONS

Engine Size	35-50 cc
Wing Span	96 inches
Wing Area	1,668 square inches
Fuselage Length	80 inches
Scale Ratio	1/5 scale
	Stock #79-649

SENIOR SPECIFICATIONS

Engine Size	60-90
Wing Span	61-1/2 inches
Wing Area	669 square inches
Fuselage Length	50-3/8 inches
Scale Ratio	1-1/2" = 1"
	Stock #79-281

CHANCE VOUGHT

F4U-1D

Corsair

SCALE RADIO CONTROL AIRCRAFT KIT



ROYAL
QUALITY
KITS





JUNIOR SPECIFICATIONS

Engine Size	35-51
Wing Span	51-1/8 inches
Wing Area	480 square inches
Fuselage Length	41-1/4 inches
Scale Ratio	1-1/4" = 1"
	Stock #79-318

MIDI SPECIFICATIONS

Engine Size	19-40
Wing Span	44-3/4 inches
Wing Area	372 square inches
Fuselage Length	37 inches
Scale Ratio	1-3/8" = 1"
	Stock #79-309

1/2A SPECIFICATIONS

Engine Size	049-051
Wing Span	28-7 inches
Wing Area	229 square inches
Fuselage Length	27 inches
Scale Ratio	87" = 1"
	Stock #79-272

FEATURES

- All kits have spun aluminum cowls
- All kits have detail color data sheet
- Senior, Junior and 1/2A have complete detail cockpit interior included
- Senior, Junior and 1/5 scale kits have super detail water transfer decal set for 2 versions. Complete stencil marking included
- Senior kit includes dummy scale radial engine
- 1/5 scale has counter-weight control surfaces
- Retractable information provided on all but 1/2A model
- Special Reno Air Race decals available at additional charge

HISTORY

The Chance Vought F4U Corsair will go down in history as one of the most outstanding fighter aircraft ever designed. Vastly superior in performance to any Japanese fighter, the Corsair destroyed 2,140 enemy aircraft in aerial combat against losses of 189, an 11 to 1 victory ratio! The prototype XF4U-1 first flew on May 29, 1940 and was the first U.S. fighter ever to exceed 400 m.p.h. in level flight. The design and workmanship was so outstanding, it set a standard for all aircraft manufactured during the war.

NORTH AMERICAN P-51D MUSTANG

NORTH AMERICAN

P-51D Mustang

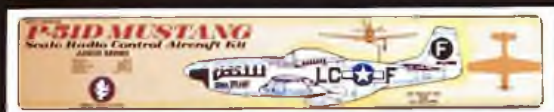
SCALE RADIO CONTROL AIRCRAFT KIT



Stock #79-285

SENIOR SPECIFICATIONS

Engine Size	.60-80
Wing Span	64-3/4 inches
Wing Area	777 square inches
Fuselage Length	55-3/4 inches
Scale Ratio	1-3/4" = 1'



JUNIOR SPECIFICATIONS

Engine Size	40-61
Wing Span	55-1/2 inches
Wing Area	576 square inches
Fuselage Length	48-5/16 inches
Scale Ratio	1-1/2" = 1'

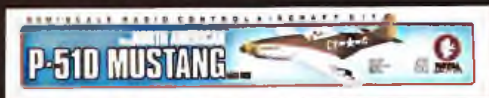
Stock #79-311



MIDI SPECIFICATIONS

Engine Size	19-40
Wing Span	46-1/8 inches
Wing Area	372 square inches
Fuselage Length	39-5/8 inches
Scale Ratio	1-23" = 1'

Stock #79-319



1/2A SPECIFICATIONS

Engine Size	.049-051
Wing Span	35-1/4 inches
Wing Area	217 square inches
Fuselage Length	28-5/8 inches
Scale Ratio	Semi-scale

Stock #79-274

FEATURES

- Scale color data sheet included with all versions.
- Detail molded cockpit interior included with all versions.
- Super detail water transfer decals included for 2 versions. All stencil markings included. Only Junior and Senior versions include decal set.
- Senior, Junior and Midi kits give retract information.
- Special Reno Air Race decals of famous Miss America available at extra charge.
- Senior kit comes with flaps.

HISTORY

Perhaps the finest fighter aircraft of the second World War, and one of the classic fighters of all time, the P-51 Mustang's main claim to immortality was that of a long range bomber escort. With the arrival of the P-51D in December 1943, the Allies at last had a first-class fighter capable of accompanying the bombers on the 1,100 mile round-trip to Berlin. As Luftwaffe resistance decreased, the Mustang was used more and more in a ground attack role, and on D-Day, they were the backbone of the wall of fighters that sealed off the landing beaches from German air attacks.

MILITARY SCALE

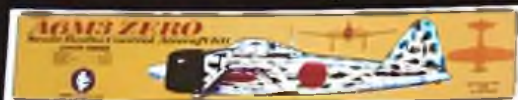
MITSUBISHI A6M ZERO



Stock #79-277

SENIOR SPECIFICATIONS A6M5

Engine Size	60-90
Wing Span	62-5/8 inches
Wing Area	706 square inches
Fuselage Length	51-7/8 inches
Scale Ratio	1-3/4" = 1'



JUNIOR SPECIFICATIONS A6M3

Engine Size	40-61
Wing Span	58-1 1/16 inches
Wing Area	577 square inches
Fuselage Length	45-1 1/16 inches
Scale Ratio	1-1/2" = 1'

Stock #79-278



MIDI SPECIFICATIONS A6M3

Engine Size	19-35
Wing Span	46 2 inches
Wing Area	356-1/2 square inches
Fuselage Length	35-1/2 inches
Scale Ratio	1 2" = 1'

Stock #79-317



1/2A SPECIFICATIONS A6M3

Engine Size	049-051
Wing Span	34-7/8 inches
Wing Area	232 square inches
Fuselage Length	28-7/8 inches
Scale Ratio	Semi-scale

Stock #79-273

FEATURES

- All kits contain detail color scale information.
- All kits contain spun aluminum cowl.
- All kits contain detail scale cockpit interior.
- Retract information provided on all but 1/2A kit.
- Senior and Junior Series contain super detail water transfer decal set.

HISTORY

As one of the most famous of all Japanese combat aircraft, this clean, lightly built plane was the first carrier-based fighter to outperform corresponding land based machines. Seemingly invincible, the Zero was Master of the Skies during the first months of the war and did not taste defeat until the Battle of Midway.

Attacking in two waves, it was the A6M5 Zero that strafed U.S. military airfields, anti-aircraft and other ground installations to plunge the U.S. headlong into WW II.

MILITARY SCALE

SUPERMARINE SPITFIRE



Stock #79-279

SENIOR SPECIFICATIONS

Engine Size	60-80
Wing Span	64-1/2 inches
Wing Area	736 square inches
Fuselage Length	52-7/8 inches
Scale Ratio	1-3/4" = 1'



JUNIOR SPECIFICATIONS

Stock #79-280

Engine Size	40-45
Wing Span	53-5/8 inches
Wing Area	496 square inches
Fuselage Length	43-1/8 inches
Scale Ratio	1-1 1/24" = 1'

1/2-A SPECIFICATIONS



Engine Size	049-09
Wing Span	35-1/4 inches
Wing Area	217 square inches
Fuselage Length	28-5/8 inches
Scale Ratio	Semi-scale

Stock #79-271

FEATURES

- All versions contain detail color scale information
- Senior series contains detail scale cockpit interior and detailed decal set with stencil markings
- Crystal-clear butyrate canopy with molded-in detail lines contained in all versions.

HISTORY

A supremely successful fighter, which is best remembered for its part in winning the "Battle of Britain." It was the Spitfire along with the slower Hawker Hurricane that formed the backbone of the British defense against the massive German air raids. It was the only Allied aircraft in continuous production throughout the war and served with distinction on through the Korean war.

MESSERSCHMITT BF 109E

BF 109E

MESSERSCHMITT

SCALE RADIO CONTROL AIRCRAFT KIT



SENIOR SPECIFICATIONS

Engine Size	60-80
Wing Span	61-1/4 inches
Wing Area	602 square inches
Fuselage Length	53-3/4 inches
Scale Ratio	1-7/8" = 1'

Stock #79-287



1/2-A SPECIFICATIONS

Engine Size	051-09
Wing Span	35-1/2 inches
Wing Area	220 square inches
Fuselage Length	29-1/8 inches
Scale Ratio	Semi-scale

Stock #79-295

FOCKE-WULF FW-190

FOCKE-WULF

FW-190

SCALE RADIO CONTROL AIRCRAFT KIT



SPECIFICATIONS

Engine Size	60-80
Wing Span	60-3/4 inches
Wing Area	642 square inches
Fuselage Length	51-1/2 inches
Scale Ratio	1-3/4" = 1'

Stock #79-283

FEATURES

- Super detailed water transfer decal set included for two versions, plus complete stencil markings.
- Complete micro detailed cockpit interior included.
- Spun aluminum cowl included.
- Scale color information included.

HISTORY

Having more sustained effect on the Allies than any other German aircraft of the war, the FW-190 became the mainstay of the German home defense during the latter stages of WWII. Aesthetically attractive and functionally successful, the FW-190 established a broad operational repertoire and became known as an excellent dogfighter and gun platform.

JUNKERS JU87D-5 STUKA

JUNKERS

JU87D-5

Stuka

SCALE RADIO CONTROL AIRCRAFT KIT



Stock #79-286

SPECIFICATIONS

Engine Size	60-80
Wing Span	71 inches
Wing Area	670 square inches
Fuselage Length	54.2 inches
Scale Ratio	1-7/16" = 1'

FEATURES

- Molded-in detail lines on canopy.
- Because of its fixed gear nature, there are no retracts to worry about when you detail this aircraft.
- Optional scale aluminum spinner is available (See Accessory Section.)

HISTORY

Considered one of the most successful early war weapons of the Luftwaffe, the Stuka became the most accurate dive bomber of WWII. Its wing-mounted siren coupled with the natural howling effect of its airframe in a dive tended to further dramatize the impact of an air raid. It saw duty during most of the war, but was largely obsolete by 1941. Apart from its diving accuracy, it lacked maneuverability and was woefully vulnerable to fighter attacks.

NORTH AMERICAN

B-25 MITCHELL

NORTH AMERICAN

B-25

Mitchell

SCALE RADIO CONTROL AIRCRAFT KIT



Stock #79-290

SPECIFICATIONS

Engine Size	Twin 40-61
Wing Span	70-7/8 inches
Wing Area	750 square inches
Fuselage Length	54 inches
Scale Ratio	1-1/8" = 1'

FEATURES

- Contains detailed scale cockpit interior.
- Contains super detail water transfer decal set for two versions, plus complete stencil markings.
- Contains spun aluminum cowls.

HISTORY

As one of the truly historic combat aircraft of all time, the B-25 was engaged in every WW II battlefield. A steady increase of firepower, adaptability to combat, and good flight characteristics put this twin-engine bomber in a class by itself.

MILITARY SCALE

LOCKHEED P-38 LIGHTNING



Stock #70 291

SPECIFICATIONS

Engine Size	Twin 35-61
Wing Span	74-1/4 inches
Wing Area	695 square inches
Fuselage Length	50-3/4 inches
Scale Ratio	1-3/8" = 1'

FEATURES

- Complete detail water transfer decal set for two versions, plus complete stencil markings and markings for Confederate Air Force P-38
- Micro-detailed molded cockpit interior included
- Detail color pictorial information included

HISTORY

Considered by many to be the most versatile fighter of WW II, the P-38 saw duty in every combat theater. It was viewed as quite radical at the time, this fighter, although outclassed by the more nimble single-seat designs, accounted for more Japanese aircraft destroyed than any other Allied fighter. It was capable of landing on ice and snow, could carry and launch torpedos, and was the most successful Allied photo recon aircraft.

BOEING B-17F FLYING FORTRESS



Stock #79 289

SPECIFICATIONS

Engine Size	(Four engines required) 20
Wing Span	77-3/4 inches
Wing Area	806 square inches
Fuselage Length	55 inches
Scale Ratio	3/4" = 1'

FEATURES

- Spun aluminum cowls
- Contains complete micro detailed cockpit interior, and interiors for all open canopy areas
- Unique tongue and groove nacelle construction
- Special water transfer decal set included for two versions, plus complete stencil markings and marking placement sheet

HISTORY

As the best known of all WW II U.S. combat aircraft, the B-17 emerged as truly a giant among aircraft in every sense of the word. It was stable and forgiving to fly, yet responded to a pilot's touch much like a fighter. It was graceful, yet rugged enough to gain the universal affection of its crew members.

MILITARY SCALE

DOUGLAS C-47 SKYTRAIN

DOUGLAS

C-47

SCALE RADIO CONTROL AIRCRAFT KIT



Stock #79-299

SPECIFICATIONS

Engine Size	Twin 40-61
Wing Span	83-1/8 inches
Wing Area	767 square inches
Fuselage Length	56-7/8 inches
Scale Ratio	7/8" = 1'

FEATURES

- Contains super detail water transfer decal set, for three versions, including civilian version, plus complete stencil markings and marking placement sheet.
- Contains spun aluminum cowl.
- Plans show how to scratch-build scale type tuck retract system.

HISTORY

Characterized by Eisenhower as one of the major weapons that helped win the war, the C-47 served as a hospital plane, glider, amphibian, bomber and flying combat post. After the war, the aircraft was converted to airline use. McDonnell Douglas estimates about 2,000 still in commercial, military, government and private service. An estimated 500 are in the fleets of 154 airlines.

KAWASAKI

Ki.61 HIEN

KAWASAKI

Ki.61 Hien

SCALE RADIO CONTROL AIRCRAFT KIT
JUNIOR SERIES



Stock #79-275

SENIOR SPECIFICATIONS

Engine Size	45-80
Wing Span	68-1/4 inches
Wing Area	676 square inches
Fuselage Length	49 inches
Scale Ratio	1-3/4" = 1'

Stock #79-276

JUNIOR SPECIFICATIONS

Engine Size	35-40
Wing Span	55 inches
Wing Area	468 square inches
Fuselage Length	39-3/8 inches
Scale Ratio	1-1/3" = 1'

FEATURES

- Canopy has molded-in detail lines.
- Flies almost as well as an R/C pattern bird.

HISTORY

Departing from its "light-weight" predecessors, the Hien offered greater pilot and fuel protection and yet still retained much of the agility associated with Japanese fighters. The Hien proved capable of mastering most Allied fighters that it met until finally opposed by U.S. Mustangs and Hellcats.

MILITARY SCALE

NAKAJIMA

Ki.43 HAYABUSA (OSCAR)

NAKAJIMA

Ki-43 Oscar
SCALE RADIO CONTROL AIRCRAFT KIT



Stock #79-262

SPECIFICATIONS

Engine Size	60-80
Wing Span	59 inches
Wing Area	613 square inches
Fuselage Length	48-1/4 inches
Scale Ratio	1-5/8" = 1'

FEATURES

- Molded in detail on crystal-clear butyrate canopy.
- Contains spun aluminum cowl.

HISTORY

Supremely maneuverable and lightly constructed, this aircraft was the forerunner to the famous Zero. It was only in service about three years, however, as its light construction did not permit increases in power or armament.

GRUMMAN

F8F BEARCAT

GRUMMAN

F8F Bearcat
SCALE RADIO CONTROL AIRCRAFT KIT



Stock #79-284

SPECIFICATIONS

Engine Size	60-80
Wing Span	62-3/16 inches
Wing Area	652 square inches
Fuselage Length	48-3/16 inches
Scale Ratio	1-3/4" = 1'

FEATURES

- Contains super detail water transfer decal set for two versions, plus complete stencil markings and marking placement guide.
- Contains spun aluminum cowl.
- Contains micro-detail molded cockpit interior.
- Special Reno Air Race decal set available at additional charge.

HISTORY

As the big brother to the Hellcat, this Grumman designed aircraft was launched into service just as the war ended and its true worth in combat was left unmeasured. It was the smallest fighter that could have been designed around the Pratt and Whitney R-2800 Double Wasp engine, giving the U.S. at the time, a definite edge in speed and maneuverability. Because of its design, it is still used today by some Reno Air Racers.

MILITARY SCALE

McDONNELL F-4J PHANTOM

McDONNELL
F4J Phantom
SCALE RADIO CONTROL AIRCRAFT KIT



Stock #79-305

SPECIFICATIONS

Engine Size	49-80
Wing Span	45 inches
Wing Area	477 square inches
Fuselage Length	45-1/8 inches
Scale Ratio	1-1/4" = 1'

FEATURES

- Flies super with a prop but not intended for use with ducted fans.
- Crystal-clear butyrate canopy has molded-in detail lines.

HISTORY

As the most significant and successful lighter of the sixties, the Phantom was developed as a shipboard attack aircraft. It is a two-place, twin engine fighter/bomber capable of traveling over twice the speed of sound, and at one time or another has carried bombs, rockets, missiles, guns or napalm.

ROYAL

SCALE DECALS

- Available in water-transfer or polyester.
- Super-thin and durable — made with ultra-violet cure inks.
- Super detail.
- Sets include complete stencil markings and general markings for two versions of the aircraft.

Aircraft	Set includes versions for	Scale Ratio
CORSAIR	Buyington 122 and 57	1/5 Scale 1-1/2" = 1' 1-1/4" = 1'
P-38	Virginia Marie Confederate Air Force G7Y	1-3/8" = 1'
CURTISS P-6E Hawk	Shaw Owl 40 2R	2" = 1'
BEARCAT	Red Ripper 13 Akron	1-3/4" = 1'
ZERO	U 128 II 117	1-3/4" = 1' 1-1/2" = 1'
P-51 Mustang	Miss Miami Tangier	1-3/4" = 1' 1-1/2" = 1'
C-47	De Haverly Bun Aero Hampuri	7/8" = 1'
B-17	Merrill's Belle Lady Luck	3/4" = 1'
STACCATO (P-51)	Military 470068 N41063 Cuman	1-3/4" = 1'

Aircraft	Set includes versions for	Scale Ratio
CESSNA Citation	N2200R	1-1/4" = 1'
ME-109 Messerschmitt	IIIJG 2 Richthofen IIJG 27	1-7/8" = 1'
FW-190	VJG 1 IIIJG 54	1-3/4" = 1'
STINSON HELIANT SR-8 SR-9	Mother Goose and NC17138	1/6 Scale

Aircraft	Set includes versions for	Scale Ratio
SPITFIRE	JE J LF 7	1-3/4" = 1'
STEARMAN P1-17	Military 573 and N25400	2 1/2" = 1'
BOEING P-26A	Victory by Valor and #23 Planes of Fame and #34 Smithsonian	1/5 Scale
B-25 Mitchell	Sweet Eva Desert Vagabond Jr	1-1/4" = 1'



See price list for stock numbers

Just for Fun

CIVILIAN SCALE

CESSNA 310Q



Stock #79-292

SPECIFICATIONS

Engine Size	Twin 35-61
Wing Span	72-7/8 inches
Wing Area	725 square inches
Fuselage Length	52-1/2 inches
Scale Ratio	1-3/4" = 1'

FEATURES

- Contains scale cockpit interior
- Retractable installation shown on plans

HISTORY

This 5-6 seat cabin monoplane first flew in January of 1953. It went into production in 1954 and 3,032 had been built by January, 1970.

CESSNA 182 SKYLANE



Stock #79-301

SENIOR SPECIFICATIONS

Engine Size	45-61
Wing Span	71-2/3 inches
Wing Area	700-4/5 square inches
Fuselage Length	55-7/8 inches
Scale Ratio	2" = 1'

FEATURES

- Molded wheel pants on Senior version
- Contains scale cockpit interior

HISTORY

A great wing. A tough, reliable gear. Big, para-lift flaps. Superb cabin visibility. An efficient, economical engine. The Skylane has always offered the best of the basics, and that has made it the first choice in the cross-country class. Introduced in 1958, the Skylane is the deluxe version of the 182.



Stock #79-302

JUNIOR SPECIFICATIONS

Engine Size	15-25
Wing Span	56 inches
Wing Area	405 square inches
Fuselage Length	40 inches
Scale Ratio	1-1/2" = 1'

CIVILIAN SCALE

CESSNA 172 SKYHAWK

**CESSNA 172
SKYHAWK**
SCALE RADIO CONTROL AIRCRAFT KIT

MIDI-SERIES



ROYAL QUALITY KITS



Stock #71-320

SPECIFICATIONS

Engine Size	19-35
Wing Span	53-7/8 inches
Wing Area	388 square inches
Fuselage Length	40-3/8 inches
Scale Ratio	1-1/2" = 1'

FEATURES

- Molded cowl and wheel pants.
- Contains scale cockpit interior.

HISTORY

The name Cessna has become the byword for a light plane. The 172 features an all-metal structure as opposed to fabric covering. It is certified for operation as a float plane and can be fitted with skis. It has also been used by the military as a pilot trainer aircraft.

CESSNA 206 SKYWAGON

CESSNA 206

Super SKYWAGON
SCALE RADIO CONTROL AIRCRAFT KIT



Stock #79-303

SPECIFICATIONS

Engine Size	49-61
Wing Span	73-1/4 inches
Wing Area	654 square inches
Fuselage Length	56 inches
Scale Ratio	2" = 1'

FEATURES

- Contains scale cockpit interior.
- Contains duraluminum gear and wheel pants.

HISTORY

This single engine cargo utility aircraft has a gross weight limit of 3,300 pounds and a range of 640 miles. It has plenty of power to do just about any tough job from hauling cargo to people. It can handle pasture landings and short field takeoffs.

Just for Fun

CIVILIAN SCALE

CESSNA SKYMASTER



Stock #79-310

SPECIFICATIONS

Engine Size	Twin 35-.61
Wing Span	76-1/8 inches
Wing Area	754 square inches
Fuselage Length	58-1/8 inches
Scale Ratio	2" = 1'

FEATURES

- Contains scale cockpit interior.
- Contains duraluminum landing gear.
- In-line thrust makes this an easy twin to fly!

HISTORY

This 4-6 seat business aircraft was designed by Cessna to be low cost, safe, comfortable and simple to fly while still offering twin performance. If necessary, it can fly quite well on one engine and its para-lift flaps facilitate short field landings.

PARTENAVIA

P-68 VICTOR



Stock #79-294

SPECIFICATIONS

Engine Size	Twin 19-.25
Wing Span	62-7/8 inches
Wing Area	502 square inches
Fuselage Length	49-1/2 inches
Scale Ratio	1-3/5" = 1'

FEATURES

- Duraluminum landing gear.
- An easy first twin for scale.

HISTORY

Designed in 1968 by Professor Luigi Pascale, the prototype of this twin engine aircraft was first test flown in May of 1970. Fitted with either fixed or retractable landing gear, it has been used for third-level transport duty, training, private or business use. It can operate from short fields and cruise six in comfort at nearly 200 mph.

CIVILIAN SCALE

PIPER COLT



Stock #79-306

SENIOR SPECIFICATIONS

Engine Size	60-.80
Wing Span	74-13/16 inches
Wing Area	946 square inches
Fuselage Length	53-1/2 inches
Scale Ratio	2-9/16" = 1'

FEATURES

- Both versions contain scale cockpit interiors

HISTORY

The Piper Colt is a relatively low cost two-seater sport or training aircraft. It has a fabric covered all-metal airframe and is generally powered by a 108 H.P. Lycoming J O-235 C1B 4 cylinder engine. Standard, custom and super custom models are all available and all differ in equipment and instrumentation.



Stock #79-307

JUNIOR SPECIFICATIONS

Engine Size	30-.45
Wing Span	56-11/16 inches
Wing Area	527 square inches
Fuselage Length	40-11/28 inches
Scale Ratio	1-5/16" = 1'

BEECHCRAFT STAGGERWING



Stock #79-298

SPECIFICATIONS

Engine Size	60-.80
Wing Span	56 inches
Wing Area	907 square inches
Fuselage Length	45-5/8 inches
Scale Ratio	1-3/4" = 1'

FEATURES

- Contains spun aluminum cowl
- Plans show retract modification and retract door details
- Contains super detail water transfer decal set for military & civilian versions

HISTORY

Perhaps this air classic is best described by an owner: "The Staggerwing is more than just a flying machine with delightful characteristics — she is also an aerial limousine and a pickup, an antique, a classic, the most loyal friend a pilot ever had, symbol of better times long gone, and the ultimate refinement of her airplane breed." Besides the civilian duties, the Staggerwing also saw duty as a VIP transport in WW II.

CIVILIAN SCALE

PIPER

SUPER CUB PA-18

PIPER SUPER CUB PA-18

RADIO CONTROL AIRCRAFT KIT

May Be Constructed Scale or Semi-Scale



Stock #79-316

SPECIFICATIONS

Engine Size 90-120 2-cycle
120-160 4-cycle
Wing Span 105.5 inches
Wing Area 1,733 square inches
Fuselage Length 67 inches
Scale Ratio 1/4 Scale

- Fiberglass cowl included.
- Ideal for 2 or 4 cycle engine use.

HISTORY

Introduced in 1949, the Super Cub holds the record for production life of a tandem two-seater aircraft. Used in civilian, military and crop-dusting, it is not a particularly fast plane, but is very reliable and ideal for pleasure flyers.

BEECHCRAFT

58P BARON

BEECHCRAFT

58P BARON

SCALE RADIO CONTROL AIRCRAFT KIT



Stock #79-208

SPECIFICATIONS

Engine Size Twin .35-.50
Wing Span 70-1/2 inches
Wing Area 682 square inches
Fuselage Length 52-1/4 inches
Scale Ratio 1-3/4" = 1'

FEATURES

- Plans show retract modification and kit comes with pre-cut wooden parts to make conversion.
- Includes crystal-clear butyrate canopy with molded-in detail lines.

HISTORY

As one of the most versatile, comfortable and practical twins, the Baron easily converts from cargo carrier to "executive conference room." Compared to many aircraft in its class, it has superior range, speed and handling ease. It can carry six people and baggage or over 1200 pounds of cargo.

CIVILIAN SCALE

CESSNA 500 CITATION-1



Stock #79-646

FEATURES

- Contains water transfer decal set
- Includes crystal-clear butyrate canopy with molded-in detail lines
- Contains pre-molded front and rear ducted fan shrouds
- For use with ducted fan units (not included)

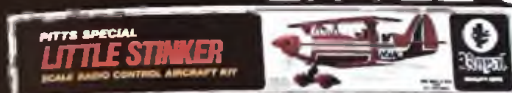
SPECIFICATIONS

Engine Size	20-25
Wing Span	67 inches
Wing Area	853 square inches
Fuselage Length	61-3/4 inches
Scale Ratio	1:41 = 1'

HISTORY

First flying on September 15, 1969, the Citation was designed to fit into a new class of aircraft high-performance, yet simple enough to operate, so that the average pilot could make the transition from piston to jet. Basically, the Citation is a miniature airliner with seats for up to six passengers and a crew of two, with galley, toilet and full pressurization. By removing seats, it becomes a freight transport that can go to airfields too small for regular airliners.

PITTS SPECIAL LITTLE STINKER



Stock #79-304

SPECIFICATIONS

Engine Size	49-61
Wing Span	51-3/16 inches
Wing Area	856 square inches
Fuselage Length	44-1/4 inches
Scale Ratio	2-7/8" = 1'

FEATURES

- Contains duraluminum landing gear

HISTORY

In 1946, the second "Pitts Special" built found its way to Miss Betty Skelton and became the famous "Little Stinker". She flew her Pitts in almost every major air display from 1947 to 1951. In 1972, the U.S. Aerobatic Team made a clean sweep of the International Competitions where the U.S. gave the world a first-class demonstration of what the Pitts could accomplish. It has become one of the best-known U.S. aerobatic designs!

PITTS S-2

SPECIFICATIONS

Engine Size	60-80
Wing Span	52 inches
Wing Area	830 square inches
Fuselage Length	49-9/16 inches
Scale Ratio	2' 6" = 1'

FEATURES

- Contains duraluminum landing gear

Stock #79-293

HISTORY

Designed with an emphasis on control sensitivity, the S-2 is a top aerobatic performer. Its design features the ability to remain fully controllable during power on or off stall maneuvers. Due to its rugged construction, ease of maintenance and stable flight characteristics, the S-2 is also considered to be a superior aerobatic trainer as well.

PITTS S-2A

SPECIFICATIONS

Engine Size	09-21
Wing Span	31-1/2 inches
Wing Area	335 square inches
Fuselage Length	30-1/2 inches
Scale Ratio	Semi scale

FEATURES

- Contains fiberglass cowl
- Includes molded wheel pants
- Contains detail molded crystal-clear butyrate canopy

Stock #79-296



Just for Fun



Royal's Home in the Rockies

OUR DEDICATION TO SERVICE

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Our starters are random tested for output torque, RPM and shaft tracking on our special dynamometer test stand.



Engines are pre-run to assure proper tolerances and to make certain only the best are packaged and sold under the Royal name.

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