



Quality Products Since 1953

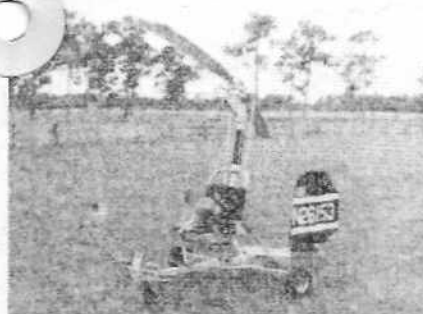
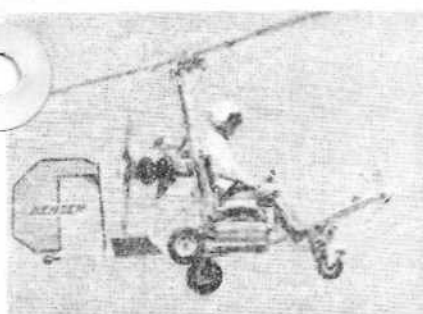
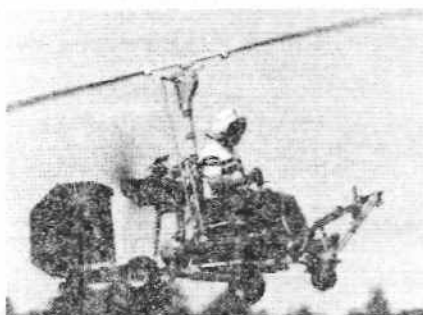
AIRCRAFT CORPORATION
P.O. Box 31047 Raleigh, N.C. 27622
Ph (919) 787-4224

GYROCOPTER[®]

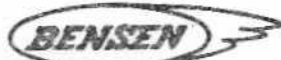
Catalog
No. 8207
\$2.00



the "ULTIMATE" Flying Freedom!



Nothing Else Like It!
Fly Your Own



Since the dawn of man, flying like a bird has been the ultimate desire and human struggle through the ages. Flying arrived; in the form of airplanes, then helicopters. But, to personally own and fly them was beyond the reach of most of us.

In 1953 the answer arrived—the introduction of the Bensen Gyrocopter! The "People's Flying Machine." The Ultimate "Ultralight." A type of aircraft that anyone could afford to build, and everyone could learn to fly. An aircraft whose design consisted of all the better features of the old Autogyros, Helicopters, and yes, even the fixed-wing aircraft. A flying machine that could be constructed with "around-the-house" tools, and flown from any open field. A craft that was small enough to be parked in any garage, yet large enough to carry a 300 pound payload through the air at almost 90 miles per hour, or as slow as 20.

The Gyroglider, its engineless brother, was flown by a 9 year old boy, Grandmothers, daughters, and an 81 year old pilot—our oldest to date. Bensens are flown by deaf-mutes, paraplegics, farmers, doctors, lawyers, housewives, and commercial pilots!

If the Bensen Gyrocopter sounds like a machine that you could build and fly and enjoy—IT IS! We think it's time you joined the ranks of "fun flyers," don't you? NOW is the time to start. Just read on and see what you are missing.

If you have never flown, and even if you have logged thousands of hours in conventional aircraft, you will enjoy flying in its purest form when you take to the air with the birds in your very own Bensen Gyrocopter.

Imagine the thrill of piloting this easy-to-fly Freedom Machine that you constructed yourself in only a few short weeks! It's hard to believe that flying can really be as simple as riding a bicycle. But it is. It just takes a little time to acquaint yourself with this new hobby of pure flying fun.

The Gyrocopter will not stall or spin, and will always glide safely under full control, even if the engine quits! Why? Because the Rotor Blades are always in "autorotation," stall proof, and completely controllable down to 0 mph. You do not fly the engine; you fly the rotor. That's one reason the Gyrocopter was voted as "The Most Popular Homebuilt Aircraft" design in 1980 and 1981. There are thousands of these Freedom Machines flying all over the world. Their pilots are people just like you. YOU CAN DO IT, TOO!

- The Bensen Gyrocopter is the ONLY homebuilt aircraft ever to hold 12 official World Records in speed, distance, and altitude, all sanctioned by the National Aeronautics Association and the Federation Aeronautique Internationale of Paris.
- This accomplishment is your assurance that the Bensen is truly an airworthy, inexpensive compact craft, especially designed by aeronautical engineers to bring flying within the reach of everyone.
- There has NEVER been an in-flight failure of any Bensen manufactured part, or Gyro constructed and flown to Bensen Specifications.

You can never enjoy the experience of pure flight until you fly a Bensen.

Look through this catalog and pick out your FREEDOM, FUN MACHINE TODAY!

GOOD REASONS WHY YOUR "AIRCRAFT-TO-BUILD" SHOULD BE A BENSEN GYROCOPTER

- Bensens were the first and are still the best "homebuilt" rotorcraft designs in the world today. Every part is designed by aeronautical engineers who fly Bensens themselves.
- Continuously designed and manufactured since 1953. Most Gyro designs on the market today are copies of the Bensen design.
- Official holder of 12 World Records, certified by FAI.
- Voted as "Most Popular Homebuilt Aircraft" Design in 1980 and 1981.
- Worldwide Dealer Representative network.
- Designated as No. X-25 by the U.S. Air Force!
- Exhibited in Smithsonian!
- Not one in-flight failure of any Bensen manufactured part, or Gyro constructed and flown to Bensen Specs.
- You do not need fixed-wing or helicopter training or license!

Lower accident rate than in all experimental "homebuilt" aircraft designs AND in all general aviation!

- You need not keep your Bensen at airports; you can park it at home, transport it on a small boat trailer or the back of a pickup truck, and fly it from your own property.
- You can repair and inspect your Gyrocopter yourself.
- Best of all—the Bensen Gyrocopter, unlike powered hang-gliders and "ultralights," cannot stall, does not spin, is fully controllable down to 0 mph airspeed. Is not overly sensitive to strong winds and gusts. Can be landed in crosswinds and downwind. How about that? It's much more practical and more fun to fly than fixed-wing "ultralights."
- Simple construction with kits in various degrees of completion are available. Normal construction time, depending on your kit choices: 200 to 500 hours.

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BENSEN**GYROCOPTER™ CATALOG**

GENERAL: This Catalog lists descriptive information of Kits, Materials, Parts, and Plans needed to build Bensen Gyros. Whether your choice is to build from the "Top-of-the-line" B-80 Gyro Kits or use only the Plans, we have them available for you. Prices listed on the Price List and information contained in this Catalog supersede those in all previous publications. As technical improvements and changes are incorporated into the design, parts may be added or withdrawn from the Catalog. Detailed Material Specifications are not given here but may be obtained on request before you begin construction if you are using the B8M Plans.

QUALITY OF MATERIALS: Since Bensen Aircraft introduced the Gyro to homebuilders in 1953, several poorly qualified imitators have offered similar kits and parts at cut-rate prices. Beware of these imitators! Many of them lack the necessary engineering knowledge and experience and sell unsafe equipment. Only qualified **Bensen Dealers** are authorized to sell the factory-approved, flight-tested materials and kits specified in Bensen Plans. Don't trade safety for poor quality! Stay with Bensen all the way. You have our assurance that prices you pay for Bensen products are absolutely the lowest in the world considering their high quality needed for your safety.

Confucius say: "Good things not cheap. Cheap things not good."
"Good quality is no accident"

BENSEN

Model B-80

COMPLETE MATERIAL KIT

TOP CHOICE™**GYROCOPTER****SPECIFICATIONS**

Height	81 in	Rotor Speed	400 rpm
Length	135 in	Fuel Qty.	6/12 gal
Width	60 in	Rotor Dia.	270 in
Empty Wt.	250 lbs	Propeller Dia.	50 in
Gross Design Wt.	500 lbs	Blade Cord.	7 in
Max Gross Wt.	600 lbs	Controls	Joystick

PERFORMANCE

Takeoff Speed.	25 mph	Range	100 mi
Cruising Speed.	60 mph	Endurance	1.5 hrs
Max Speed.	90 mph	Landing Roll	20 ft
Landing Speed.	7 mph	Ceiling	12,000 ft
Stall Speed.	NONE	Fun Rated.	UNBELIEVABLE
Rate of Climb.	1,000 fpm	Looks	FANTASTIC
Takeoff Roll.	200/500 ft	Max Economy Speed.	45 mph

The Bensen B-80 GYRO is designed for the individual that wants to "Start-At-The-Top" with the very latest and best factory-made components in **easy-to-assemble** kit form. ALL components have as much work completed for you as allowed by the FAA. Everything required to construct the B-80 Freedom Fun Machine is supplied, along with **easy** step-by-step instructions, complete assembly manuals with drawings, and assembly photographs.

HOW TO ORDER

(See Separate Price List For Prices)

The B-80 Gyro can be ordered in a number of ways to suit your building budget or construction preference. (See separate Price List for prices of each offering.)

1 Order the entire **B-80 GYROCOPTER** and have EVERYTHING needed on hand, all at one time. (Includes both Items 2 & 3 below).

Order item. . . **B-80**

2 Order the **B-80A GLIDER-TRAINER** and fly it with no license required. Add Item 3 later.

Order item. . . **B-80A**

3 Order the **80PM-D ENGINE MOUNTING & ACCESSORY PACKAGE** to convert your B-80A Glider-Trainer to the B-80 Gyrocopter, when you are ready for powered flight. (Engine not included. See a separate listing for engine suppliers).

Order item. . . **80PM-D**

The Bensen B-80 is constructed from individual kits, which allows you complete construction and buying freedom. Build a kit-at-a-time, or order the entire B-80 package. The choice is yours!

THE B-80 INCLUDES:

The very BEST kits and materials available, with the most factory-finished parts as allowed by the FAA. Includes FINISHED—all-aluminum Rotor Blades, Offset Gimbal Control head, precision Rotor Hub, and the NEW all-aluminum Joystick Control System with curved-comfortable handle.

See a complete description of all B-80 kit contents on the following page.

Bensen Aircraft does not stock, nor sell, engines, except on special request or foreign concerns.
For a list of such suppliers, please see page 7.

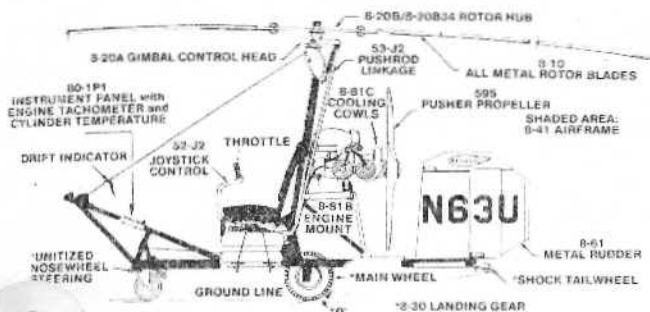
B-80 GYROCOPTER



Flying Fun at
Lowest Cost

INDIVIDUAL KITS

"KIT-BUILT" B-80



We have divided your B-80 Freedom Fun Machine into individual kit packages for your building convenience. Each package contains everything necessary for construction, including step-by-step building instructions, all drawings, and assembly photographs.

BUILD AS YOUR BUDGET ALLOWS

Each individual kit listing below is in the correct order of assembly. If you choose this step-building method, start with the Airframe, 8-41; then Landing Gear, 8-30; and so on down the line, ordering one or two or more kits to match your speed of progress. (See separate price list for price of each item).

ORDER ITEM NO:

- 8-41 AIRFRAME**
Complete Airframe Structure, cut-to-size parts & materials. All forming & bending completed, all holes drilled except those which require "on assembly" precision. Includes all hardware, seat belt, airspeed indicator, tow hitch, cables, and formed seat frame tubes with SOFT Bungee seat cords. All tool kits for precision drilling and the *Construction & Tooling Techniques Manual* are included!
- 8-30 LANDING GEAR**
Everything required to put your airframe on wheels. Includes "uninitized" steering and shock tailwheel parts and materials with main wheels, axle tubes, attachment axle clamp blocks, and all bearings and hardware. (Steering is rudder pedal-actuated for ease of control!)
- 8-61 RUDDER SYSTEM**
Complete rudder, cut-to-size, with formed "butterfly" stabilizer, rudder horns, counterweights, drilled hinges, all hardware, braces and complete instructions. All-aluminum design.
- 8-52-J2 CONTROL SYSTEM**
ALL NEW, ultra-simplified light-weight ALUMINUM JOYSTICK. ONLY TWO PIVOTS on wear-free roller bearings. Curved stick and handle designed for in-flight comfort. Completely finished! NOW FEATURES "lockdown" for ease of rotor starting and stopping and parking. Keeps the stick where you put it.
- 8-53-J2 CONTROL LINKAGE**
Joystick pushrod linkage and bearings, drilled and tapped sleeves, all hardware and complete instructions.
- 3-20A ROTOR CONTROL HEAD**
FINEST MADE! Factory-finished offset Gimbal control head with both glider-trainer and copter plates, trim springs, brackets, all hardware and use manual.
- 1-20B ROTOR HUB: Standard —OR—**
- 1-20B34 EXTENDED ROTOR HUB: For Increased Performance**
Factory-finished, adjustable pitch rotor hub with hardware. Will attach to 8-10 metal rotors only.
*8-20B34 Recommended for Experienced Pilots and Gyro with Pre-Rotor.

Our staff at Bensen and all Bensen Dealers are friendly professionals who are knowledgeable and safety minded. They are willing to be helpful as well as flexible and always available to their customers. Make your flights safe and enjoyable with the Bensen.

We will never sell you any product that we would not fly ourselves!

We think we have the finest crafted machine available today. We know we were first, in 1953, and have the experience to always provide you with a safe quality product.

REMEMBER: "Good quality is not an accident!"

why not
let us prove it?



ORDER ITEM NO:

- 8-10 ROTOR BLADES**
"World Famous" factory-finished all-aluminum rotor blades. Over 10,000 manufactured. Expertly matched set of 2. UNLIMITED FATIGUE LIFE—NOT ONE FAILURE!
- Kits 8-41 through 8-10 are required to construct the B-80A Glider-Trainer. No engine.
- 80-PM-D Engine Mounting & Accessory Kits for your engine follow.
- 8-81B ENGINE MOUNT**
All-aluminum engine mount materials, factory cut-to-size. Bolt-together design with engine isolation mounts, all hardware and instructions.
- 8-81C ENGINE COOLING COWLS**
"Jet-Action" cowls, factory-formed, with vent deflectors, harness clamps, and all hardware. A MUST for cool engines.
- 8-91-1 ENGINE ACCESSORIES**
Complete accessory items for engine. Includes: throttle, carburetor, propeller bolts, mag-ground switch and "P" lead assembly, complete instructions and all hardware.
- 8-91H FUEL SYSTEM**
Complete fuel system with cut-to-size frame materials, light-weight fuel tank, pressure gauge, fuel pump, primer assembly, all fittings, fuel line, hardware, instructions and drawings with installation photos.
- 595 PROPELLER**
THE BEST! 49½" dia. propeller. Full "Kevlar" blade wrap-around, wood finished clear with red, white, and blue tips. No metal leading edges to worry about! A PERFORMANCE PLUS PRODUCT! (Kevlar is a new space-age tougher-than-steel plastic).
- 80-1PI ENGINE INSTRUMENTS AND PANEL**
Engine tachometer and cylinder temperature gauges, with instrument panel, isolation mounts and hardware.

You now have a complete B-80 Gyrocopter Kit!

your alternate choice—

"PLANS-BUILT" MODEL B8M

the

GYROCOPTER



If you are a skilled hobbyist with access to machine shop type tools, and have access to Bensen specified materials and parts, you can construct the "plans-built" Model B8M Gyrocopter using only the construction plans.

The B8M does not have the more up-to-date components found in the B-80 model, but if you are on a limited budget and are skilled with metal working, this may be the Gyro for you.

A complete material specification listing is included with the plans.

(SEE SEPARATE PRICE LIST FOR PRICE OF EACH ITEM)

B8M CONSTRUCTION PLANS, MANUALS, & DRAWINGS

ORDER ITEM NO:

Complete construction plans, many parts shown in full size on clear, easy-to-read blueprints. Step-by-step building and flying instruction manual included.

This one includes it all! Above B8M plans, plus float construction, joystick, training trailer, and VW conversion. If you want to know all there is about a "Plans-Built" Gyrocopter, save piecemeal buying and order this package at a lower price.

FP Float construction and installation plans. All the how-to-do-it information to put your Gyrocopter on floats. (Can be used with the B-80 or B8M kits).

JS Joystick construction and installation plans. Step-by-step procedures with blueprints needed for the weld-your-own steel joystick. (Can be used with the B8M-51 kit).

ORDER ITEM NO:

TT How to build the training trailer and dual-seat frames for the glider-trainer. All drawings and material list are included.

VW Volkswagen engine conversion and information plans. The basics of operation and installation to get you started.

DW Separate drawings: refer to drawing number when ordering.

MN Separate manuals: specify Glider-Trainer or Gyrocopter manual when ordering.

MM McCullough engine manual. Complete breakdown of parts, views, and all necessary information.

CMT Construction methods and tooling techniques manual. All the how-to-do-it information for the beginner.

If you have difficulty in locating materials for your B8M Gyrocopter, we have the following raw materials and separate hardware kits for you. These packages contain RAW MATERIAL ONLY, except where noted. This means that you must do all final dimension cutting, forming, and drilling yourself. These kits are used with appropriate construction plans listed above.

B8M INDIVIDUAL MATERIAL KITS

8M-1 Main airframe structural tubes only. Includes: factory-paired redundant mast, keel, and axle. (This HIGH QUALITY tube set is available from Bensen Aircraft ONLY. Beware of substitutes!)

8M-40 Airframe raw materials. Includes: keel, axle, and mast tubes; all required brace angle material, with all needed plates, bar stock, tubes and cable.

Complete "AN" aircraft quality hardware for 8M-40 airframe. Raw materials and hardware for the "plans-constructed" steering gear and tailwheel frame. Includes formed castor fork and finished base plate, less wheels.

8M-3W Nosewheel, main wheels and tailwheel, for use with the 8M-30H. Includes assembled rims with bearings, spacers, tires and tubes.

8M-60 Materials and hardware for the "wood" rudder system. All aluminum, hinges and hardware supplied, less wood.

V-VW Materials and hardware necessary to construct engine mounts as described in the above VW plans.

8M-50 Overhead azimuth control stick. Formed to shape with handle, hardware, gussets and handle grips.

8M-51 All 4130 aircraft quality steel tube and sheet needed for construction of the "weld-your-own" Joystick. Includes all hardware, bearings, and control linkage. (Used with the JS plans above).

8M-20P Raw materials and instructions for the "plans-built," "machine-your-own" Gimbal control head. Includes complete blueprints. (Note: Construction of the 8M-20P requires some precision machining on a lathe and mill and requires holding parts to a close-tolerance).

8M-20PH All needed bearings and hardware for the 8M-20P Gimbal control head. Used with the 8M-20P only.

8M-20BP Material ONLY to construct a rotor hub. Used ONLY with the 8M-20P head and wood "plans-built" rotor blades.

8M-70 All square tubes, angle, plate and hardware required for installation of your floats. (Used with FP Plans above. Can be installed on the B8M or B-80 Gyro).



DEALERS

For the purchase of construction plans, kits and materials, construction assistance, service, demonstrations, and flight training, Bensen Aircraft has factory-trained dealers to assist you.

These trained professionals, located worldwide, have thousands of hours in experience with the Bensen Gyrocopter, and can provide you with nearby personal attention and help.

If there is no Bensen dealer in your area, all items are sold factory direct.

When contacting your Bensen dealer, always insist that you be supplied with Bensen quality materials in unopened containers. Don't settle for second best substitutes! If you have doubts, contact the factory! If you change just one part, it is no longer a "Bensen approved" design or machine.



PARTS & ACCESSORIES

B-80 & B8M

NEW PRODUCTS

Add These To
Your Current
Gyro...

SPECIALTY ITEMS

(See separate price list for price of each item)

ORDER ITEM NO:

GIMBAL ROTOR HEAD & ROTOR HUB

- 20A-018 Finished Glider-Trainer Head Plates
- 20A-019 Finished Gyrocopter Head Plates
- Z 12-6-S Trim Springs, Glider or Copter, Set of 2
- 20B-H1 Rotor-to-Hub Replacement Hardware
- Z 5206 Main Control Bearing, for 8M-20P Head

LANDING GEAR AND WHEELS

- Z 8-30B "Unitized" Steering Nosewheel Assembly, Less Wheel
- Z 8-30C Shock Tail Wheel Materials, with Wheel & Hardware
- Z 30A-018 Main Wheel: Assembled Tire, Tube, Rim, Bearings
- Z 30A-019 Nose Wheel: Assembled with Hi-Speed Bearings
- Z 30A-020 Tail Wheel, 3" Diameter with Bearings and Spanner
- Z 30A-005 Formed & Finished Aluminum Castor Fork
- Z 30A-021 Spanner Tube for Nosewheel and Castor Fork
- Z 30A-004 Rubber "Shock Block" for 8-30C, Drilled
- Z 30A-006 Phenolic Collars, Set of 4, Used with Main Wheels
- Z 30A-008 Aircraft Steel Axle Tube, Material for 2
- Z 018B Axle Clamp Blocks, Cut-to-Size, Drilled 1" Hole (4)



595 PROPELLER

AIRFRAME

- Z 41-001 Keel Tube: Drilled Cluster Plate Holes, Cut-to-size
- Z 104-101 Keel Tube: Cut-to-length, Inspected, Undrilled
- Z 41-002 Axle Tube: Cut-to-Length, Inspected
- Z 41-003 Redundant Mast: Drilled Cluster & Head Plate Holes
- Z RM-103 Redundant Mast: Paired and Inspected, Undrilled
- Z 41-004 Cluster Plates, Finished and Drilled, Set of 2
- Z 41-008 Formed Seat Back Frame Tube
- Z 41-009 Formed Seat Bottom Tube
- Z 41-010 Gyro Tow Hitch, FAA Approved Aircraft Design
- Z 41-021B Rudder Pedal Mount Tube, Cut-to-length
- Z 41-021BF Rudder Pedal Mount Tube, Drilled and Finished
- Z 41-029 Safety Belt, Quick Release, Meets FAA Specs
- Z 41-030 Bungee Seat Bottom Cords, Finished, Set of 8
- Z 41-032 Rudder Cable Material
- Z 41-025 Guy Safety Cable Material
- Z NICO Sleeves & Thimbles for Rudder & Guy Cables
- Z TK-101 Drill Jig Fixture with Punches & Center Drill
- Z TK-132 Nicopress Sleeve Squeezer Material & Hardware
- Z 101 Drill Jig Fixture Only
- Z 101A Transfer Punch, 1/4" Diameter
- Z 101B Transfer Punch, 3/16" Diameter
- Z 1-C-1 #2 Combined Drill & Countersink, for Perfect Holes

JOYSTICK CONTROL SYSTEM

- J2-005 Insert "Crush" Block for Torque Tube, Use with 8-20A
- 52-006 Aircraft Steel Crush Plate, Used with 8-20A & 8-52 Joystick
- Z 52-015 Finished Joystick Cross-Arm, Used with Welded Joystick
- J2-012 Aluminum Finished Joystick Cross-Arm, Used with J2 Joystick
- Z 53-004B Finished Rod-End Sleeves, Set of 4
- Z 53-SPM6 Rod-End Bearings for Pushrods, Set of 4
- Z 52-017 Neoprene Joystick Bumper Pad
- Z 53-004 Pushrod Tubes, Set of 2
(Specify Welded Steel or Aluminum Joystick)

RUDDER & STABILIZER MATERIAL

- Z 61-027H Rudder Hinges, Drilled & Finished, Set of 3
- 61-027K Rudder Horns, Formed & Drilled, Set of 2
- 61-027L Counterweights, Formed-to-size & Weight, Set of 2
- Z 61-028 "Butterfly" Horizontal Stabilizer with Hardware & Braces
- 61-027F Rear Angle Brace, Drilled, with Stiffener
- 61-027G Front Angle Brace, Drilled, with Stiffener

The following list contains the **SPARE PARTS** that you may wish to order after your Gyro is completed. As a **CUSTOMER CONVENIENCE**, we have also listed **CUSTOM PRODUCTS**, **SUPPORTING PRODUCTS**, and **FACTORY SERVICES**.

All listed items are parts or "Sub-Kits" from the Model B-80 Gyrocopter. A good number of items can also be used on the Model B8M "Plans-Built" Gyro. These items are so noted with the letter "Z" before the item number.

If you are in need of an item or kit not listed here, **PLEASE** contact a **BENSEN DEALER** or the **FACTORY** for quotation.

ORDER ITEM NO:

ENGINE MOUNT

- 81B-001 Replacement Arm Tube, Cut-to-Size
- 81B-004 Rear Engine Mount Ear, Cut-to-Size
- 81B-005 Front Engine Mount Ear, Cut-to-Size
- 81B-015 Lower Engine Mount Ears, Set of 4
- 81B-H3 Engine Isolation Mounts with Liners and Spacers
- Z 81B-H3B Isolation Mounts with Bolts, Nuts, & Washers

COOLING COWLS

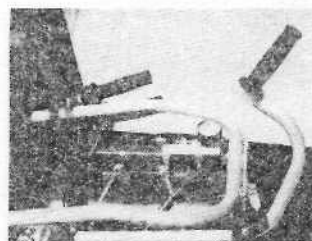
- Z 81C-001L Left Cowl Hood, Formed-to-shape
- Z 81C-001R Right Cowl Hood, Formed-to-shape
- Z 81C-001A Right Cowl Hood Vent Deflector, Finished
- Z 81C-001B Left Cowl Hood Vent Deflector, Finished
- Z 81C-001F Aluminum Spacer Tubes, Beveled, Set of 4
- Z 81C-00H Harness Clamp Brackets, Finished, Set of 6
- Z 3-66 Cowl Retention Bolts with Nuts, Set of 4



50 IP INSTRUMENT PANEL

ENGINE ACCESSORIES

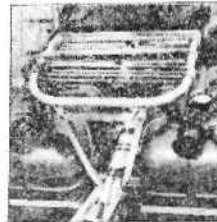
- Z 91A-SP Propeller Sandwich Plates, Set of 2
- Z 1000-50 Belleville Spring Washers, Set of 24
- Z 91B-006 Carburetor Adapter Base Plate, Finished
- 91B-007/8 Carburetor Gasket Set
- 91H-011 0-15 psi Fuel Pressure Gauge
- 91H-012 Fuel Primer Bulb Assembly
- 91H-013 Diaphragm Fuel Pump Assembly
- C-404 7 ft. Length 1/4" ID Fuel Line
- C-405 7 ft. Length 5/16" ID Fuel Line
- Z M670-CL Fuel Shut-off Valve
- Z 91-001 McCulloch Engine Cylinder & Cover Gasket Set
- Z 712-4 14 mm Thermocouple Sender for VW Plug
- Z 712-5 18 mm Thermocouple Sender for McCulloch Plug
- Z 342012 Tachometer Fuse Holder Assembly
- Z 8-91A Propeller Bolts, Hardware & Sandwich Plates
- Z 8-91B 4488-1 Carburetor & Modification Kit, Complete
- Z 8-91D Mag-Ground Switch & "P" Lead Assembly with Hardware
- Z 8-91F Twist Action Throttle Assembly with Handle & Hardware
- Z 91-ST Side-Seat Mount for Throttle with Switch/Fuse Plate
- Z 395 "Economy Prop" 49-1/2" Diameter, Untipped, Clear Finish



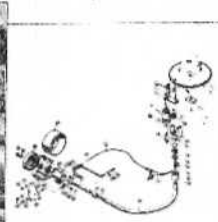
8-52-J2 NEW BENSEN JOYSTICK

INSTRUMENTS

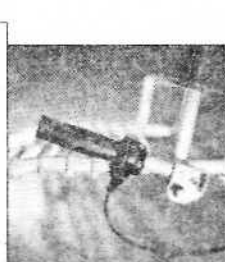
- Z 41-024A 0-80 mph Range Airspeed Indicator
- Z TACH Engine Tachometer Gauge with Fuse, Holder & Wire
- Z TEMP McCulloch Temperature Gauge with Sender & Wire
- Z TEMP-A VW Temperature Gauge with Sender & Wire
- Z 80-AL Sensitive Altimeter, Completely TSO'd
- Z 80-RT Rotor Tachometer, Used with 8-PRW Prerotator only
- 91H-001 0-15 psi Fuel Pressure Gauge
- Z 80-IP Instrument Panel for TACH & TEMP with Mounting Hardware



DUAL FUEL TANKS



ROTOR PRE-ROTATOR



91-ST SIDE-SEAT
MOUNT FOR THROTTLE

ORDER ITEM NO.:

CUSTOM

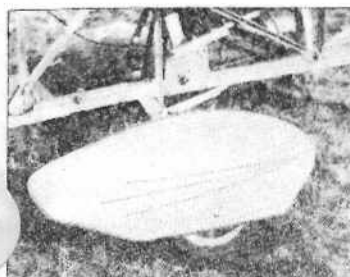
Z-8-91HD
Z-80-RB
Z-4318-MRM
Z-4318-DCP
Z-8-PRW
Z-BA-FIT
Z-BA-PB
Z-BAC-TL
Z-BAC-TLH
Z-BA-ID
Z-BA-DH
Z-40-DBS
Z-40-BWP
9-PAS
318-DI
BA-EP
Z-108-109

& SUPPORTING PRODUCTS

"Add-On" Second Fuel Tank System, Complete
Rotor Brake, Used with 8-PRW Pre-rotator Only
Engine Muffler Package, Complete, Quiet!
Dual Carburetor Conversion Package
Rotor Pre-rotator, Complete with Hardware & Instructions
Flying Instruction Tape, by Dr. Bensen, for New Gyro Pilots
Replacement Airspeed Balls, Tube of 3
60 ft. Approved Tow Line for Glider-Trainer
Car Tow Line Hitch, with Ball and Rope Mount
Amateur-Built Aircraft ID Plate, Adhesive Backed
"Danger" Plates for Aircraft with "Guest-Log" Pad
Body Enclosure with Windshield
Wheel Pants/Propeller Protector, 2 Designs Available
SkySeat—Comfortable Cushion, Backrest & Trim
Dual-ignition System for McCulloch-type Engine
(Engine & Magneto Must Be Sent to California)
Ear Plugs, Rated at 29 db, Set of 2
Dual-Seat Frames, Brackets & Hardware for Glider-Trainer

SERVICES

Prop Installation of Prop Hub on your Propeller, Labor
Repairs 8-10 Rotors, 8-20A Head, & 8-20B Hub, repaired to like-new condition. Parts and Labor cost determined by need. FREE Estimates given.
*Accessories not of Bensen manufacture or design, listed for customer convenience, not guaranteed by Bensen.



40-BWP WHEEL PANTS



8-PAS SKYSEAT
COMFORT - SIMPLICITY - BEAUTIFUL!



BA-DH "DANGER" PLATE



BA-EP EAR PLUGS

BULK MATERIALS

The following individual raw materials are especially selected by the Bensen Factory for their own production and are also used in Gyro-Trainer and Gyrocopter Kits. These select materials are grouped in popular sizes for easy handling and shipping.

ORDER ITEM NO.:

RMP-1 **Steel Angle**
(1) $\frac{1}{2}$ x $\frac{3}{4}$ x $\frac{3}{4}$ x 30"
(2) $\frac{1}{2}$ x 1 x 1 x 40"

RMP-2 **Aluminum Angle, Standard**
(5) $\frac{1}{2}$ x $\frac{3}{4}$ x $\frac{3}{4}$ x 72"

RMP-3 **Aluminum Angle, Hard**
(2) $\frac{1}{2}$ x $\frac{3}{4}$ x $\frac{3}{4}$ x 72"

RMP-4 **Aluminum Tube**
(3) .065 x 1 x 72"
(1) .065 x $\frac{3}{4}$ x 11"

RMP-5 **Aluminum Sheet**
(3) $\frac{1}{2}$ x 6 x 15"
(2) .063 x 5 x 10"

RMP-6 **Aluminum Strip**
(1) $\frac{1}{2}$ x $\frac{3}{4}$ x 26"
(8) .040 x 1 $\frac{1}{2}$ x 26"

RMP-7 **Aluminum Block**
(1) $\frac{1}{4}$ x 1 x 9"
(1) $\frac{1}{2}$ x 1 $\frac{1}{2}$ x 2"
(1) $\frac{1}{2}$ x 2 x 8"

RMP-8 **4130 Steel Tube**
.065 x $\frac{3}{4}$ "
.065 x 1"
(Length: Your Choice—Max. Length 6 ft)

RMP-9 **4130 Steel Sheet**
(1) .090 x 5 x 12"
(1) .065 x 2 $\frac{1}{2}$ x 6 $\frac{1}{2}$ "

RMP-10 **Glider-Airframe Hardware**
All Replacement Hardware for the Glider Frame.

**BENSEN GYROS ARE TIME-TESTED
AND FLIGHT PROVEN BY ENTHUSIA-
STIC FLYERS THE WORLD OVER.
EASILY CONSTRUCTED WITH
AVERAGE HOBBY SHOP TOOLS IN
SMALL SPACE**

ENGINES

The following companies are known to be in a position to supply you with an engine for your Gyro. It is suggested you contact one of them directly to obtain a price quotation on the engine of your choice.

DEAN ASSOCIATES

Rt. 5, Box 172-G
Raleigh, N.C. 27604
919/266-2040
(after 7:00 p.m.)

MARION SPRINGER GYROCOPTERS

29387 S. Tracy Blvd.
Tracy Airport
Tracy, Calif. 95376
209/835/2977

BILL PARSONS' GYROS

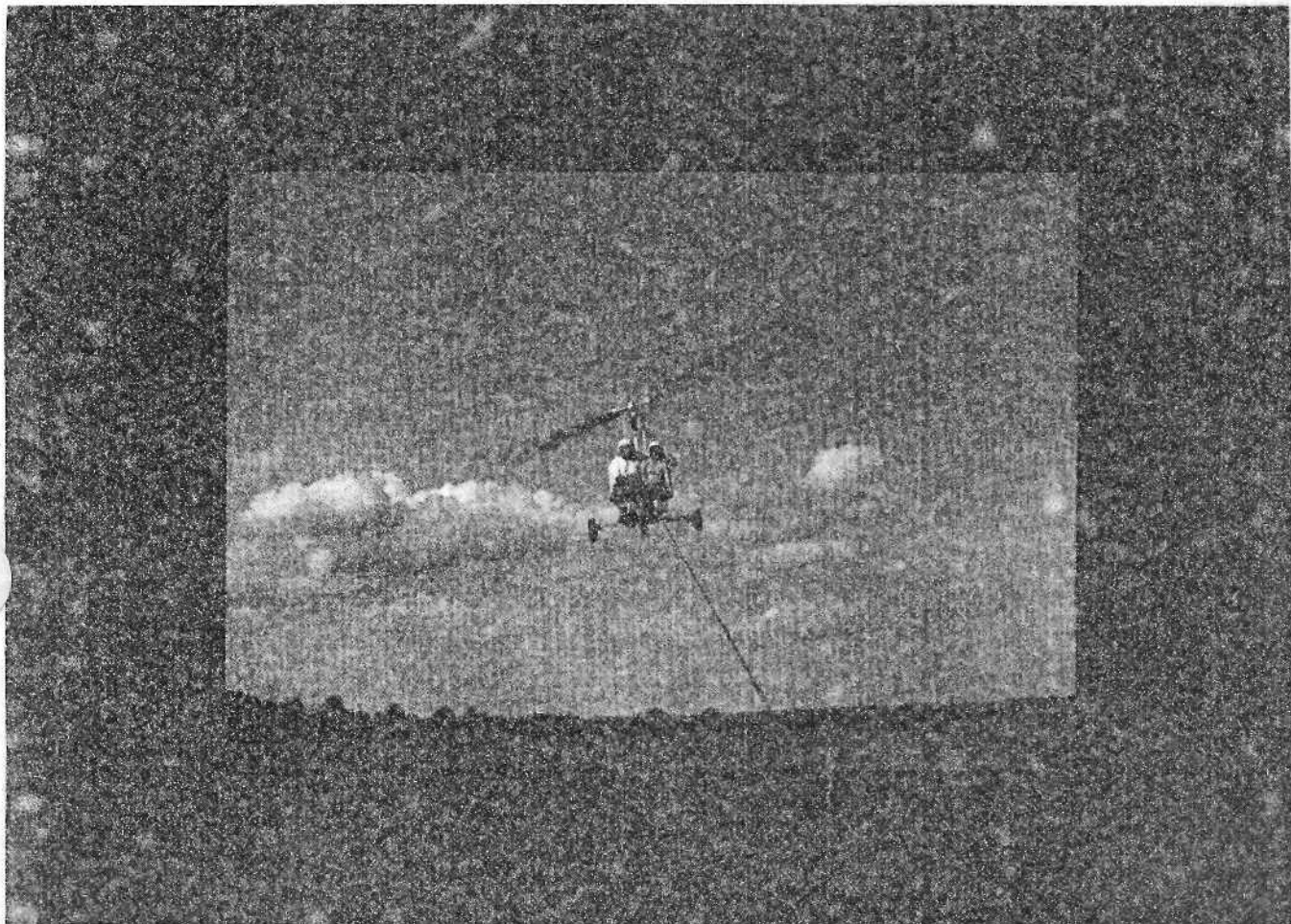
3645 Phelps St.
Chattanooga, Tn. 37412
615/867-3187 (night)
615/698-1600 (day)

R & D ENGINEERING

P.O. Box 1108
Plano, Tx. 75074
214/596-7655

"GREATEST THRILL IN FLYING"

... this can be you!



***Pilot your own "FREEDOM
MACHINE" today.***

Contact you nearest BENSEN DEALER for a flight demonstration, ride, or training NOW!



P.O. Box 31047
Raleigh, N.C. 27622
Ph [919] 787-4224

To: FRANCOIS VAN TEIJLINGEN

W- 714 4490

H- 789 5091