UNI-JET
ENGINE
HANDBOOK
AND
CATALOG

Price 25¢
We wish to advise that our Series A, B and C engines for use on cars, boats and planes, are no longer available.

It has been our decision, at this time, to manufacture only, Midget size model Rockets and Rocket type engines. In doing so, we can concentrate on providing new products in a wider selection and better service.

Meanwhile, our present Catalog & Handbook can serve you as a temporary guide to UJ Midget rocketry until our new catalog is made available. Ignore all details in the present booklet, which DO NOT concern rocketry.

If you are a model rocket fan, we suggest you try our rocket and engines. If you are not, we urge you to enter this safe, exciting and modern space-age hobby now, with Uni-Jet!

Uni-Jet Company
August 15, 1964
problems and suggestions. Our engineering staff will welcome your

privilege them of some small pleasure.

Remember always, that UL engines are for

an~amazing power-plant for their size.

you will find, as we have, that they are

all ranges, to do the job. We need sure

serious-minded with a modern

UL engines are destined to provide the

cart, boats and UL type models.

run to use in powerful modern cars, etc.

revealed that they are safe and

years of research prior to their rest.

patent fuel.

miniature form, using a solid type pro-

ult-jet engines are real jet engines in

products.

Thank you for your interest in ult-jet

PREFACE
USE THE "K-1" MOTOR MOUNT FOR BETTER RE-

TACE THE USE FOR MOUNTING.

I T IS IMPORTANT THAT THE SURFACE BE DRY AT
WHEN MOUNTING ENGINES TO WATER CRAFT. IT

WATER ENGINES.

IT IS BURNING, THEN LOWER CRAFT INTO THE
WATER, TIE IT TO THE BOAT, AND MAKE SURE IT IS
BEST TO MOUNT THE ENGINES ON THE BOW. IN
LAUNCHING BOATS WITH JET ENGINES,

NEVER TRY TO REPAIR A BOLTED-OUT UTILAGE

ENGINE.Sheets of aluminum or anything else are
OR ANYTHING ELSE ARE USED. ULT ENGINES ARE
MADE TO BE FITTED ONLY ONE TIME.

ANY ULT ENGINES.

BE MOUNTED AND USED IN APPLICATION.

HIGHLY EXCETABLE IN APPLICATION.

UL ENGINES ARE A MINUTE.

ENGINES ARE CONTRARY TO SOME PEOPLE'S
Round the engine out of the shape used in racing or in any other engine that is used for drag racing. Heat the engine until the oil temperature reaches the recommended temperature. Do not attempt to use a low oil temperature. Always begin with a warm engine.

1. Generalities; it requires less power than the engine that does to tilt it.

2. Compress the maximum input on a one.

3. Time to get "immediate" or "quick" power. The more the output, the more the engine goes.

4. From the time in seconds, usually observe the time the engine is at rated speed.

5. Time to move up to the next step.

Reading the Engine Chart
Installing Electric Igniters

In some cases, the use of free jet igniters is not practical. Use electric igniters when ever possible for best results.

To use electric igniters, insert the electric igniter into the free jet nozzle. The electric igniter is a piece of very fine wire that is inserted up into the nozzle's small opening. A source of power, usually a dry cell type battery, is connected to the electric igniter. The current of electricity passes through the electric igniter, causing a spark that ignites the mixture of fuel and air. This spark is very hot, and it ignites the fuel mixture. The igniter is a piece of very fine wire with no extension leads here.

Free jet igniters are commonly used on all engines.

An electric igniter is a piece of very fine wire that is inserted up into the nozzle's small opening. A source of power, usually a dry cell type battery, is connected to the electric igniter. The current of electricity passes through the electric igniter, causing a spark that ignites the mixture of fuel and air. This spark is very hot, and it ignites the fuel mixture.
A = Tape
B = Engine Mount K-1
C = Motor Mount K-1
D = Long tailstock

Mounting to Aircraft

A = Plastic tape
B = Engine nozzle

Mounting to Car

Application of UL Engines

How to Mount UL Engines

With the engine attached, secure at a good angle away from the surface, and the engine nozzle is securely made to hold the nozzle in place. Always mount the model surface or UL, if possible. In many cases, to mount the UL produces a better performance, such as balance and most all model surfaces. Therefore, do not mount with too much heat or a special feature of UL engines is that.

Launch Aircraft from a dead start so
Install the engine at the stern. The engine should be supported at a level with the engine nozzle shown by (X). The engine nozzle must extend out of the body tube by at least 1/4".

Attach the engine to the body tube and adjust the engine as necessary to wrap tape around the engine. To hold it in place, make rocketeers in other make rocketeers, it is most

A = tape
B = engine nozzle
C = engine mount
D = U-shaped mount
E = ff
The K-1 is for use on boats, planes and cars.

It can be mounted with screws that are supplied (S) or you may use a contact cement or tape.

1. Is the rear deck which can be bent at any desired angle.

2. Side splitters can be bent to hold engine from falling out.

3. The front stop plate keeps engine in place with nozzle end pointing to rear deck.

4. Shows engine in place with nozzle end pointing to rear deck.

- engine in place with nozzle end pointing to rear deck.

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without notice. All orders, except those noted as 'prepaid,' are subject to change or cancellation. 

No orders for our ensembles will be accepted unless directed under law.

If directed under law, orders received in sufficient payment or over payment promptly refunded. Orders accepted over $5.00; 60% on orders up to $10.00; 40% on orders up to $1.00.

To cover handling and postage, include postage stamps or C.O.D. Orders accepted

postage paid for. When ordering, send full payment in cash.

No C.O.D. orders accepted.

Postage stamps must be included with order, as these are subject to change.

If we are unable to fill your order in time, full refund will be made by registered mail.

Prices do not include shipping charges. 

Redacted. 

In addition, a charge for use with our rockets is applied.

If you indicate another carrier and mail whenever possible, in U.S.A., or on-

ship note the date it is received, if we are unable to fill your order in time, full refund will be made by registered mail.

When ordering, be sure to give the cat-

All jet-company specialites in introductory
**K-2 Rocket Launching Pad**

- 2-piece rod
- 2-pie
c- Detonator
- Expeller

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**K-3 Rocket Launching Pad**

- 2-piece rod
- 2-piece rod
- Overlap
- Cover
- Detonator
- Rod

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**The "Master Midget"**

- 325 feet
- 325 feet
- 1/2 ounce
- Less than
- 180 feet
- Average
- 60 feet
- Only 5.3/4"
The K-7 is today's most advanced idea for igniting all type rocket engines. It is the exclusive "all clear" signal meter for instant firing. Compact, portable, makes batteries last twice as long and assures instant firing. Compact, portable, makes batteries last twice as long and assures instant firing. 

1. "GO" test button circuit
2. New "all clear" signal meter
3. Firing button

K-9 Deluxe Electric Engine Igniter

K-13 15' ELECTRIC IGNITERS

Push to fire button
Housed in round wood rod, easy to handle

K-6 ELECTRIC ENGINE IGNITOR

15' Heavy Duty Cable with Clips
20' Control Panel
4' Heavy Duty Cable with Clips
Launcher (not included)
1. Recline till engine is on and away from hot engine
2. Slide rocket down launching guide
3. Place Rocket on launching pad

Master Model Rocket Kit

Price

Propellants:

- 10 lb 0.5 oz
- 15 oz
- 20 oz
- 30 oz
- 50 oz

Motor Mount, Aluminimum

Launchable Guide Tube (1.56")

Nose Cone

Rocket Holder

Motor Stop

Ejector Tube

Parts for Motor, Model:

- 1.00
- 0.98
- 9.95
- 9.50
- 9.00

No. 8. Description:

- Deluxe Rocket (11"
- Deluxe Rocket (12"
- Deluxe Rocket (13"
- Deluxe Rocket (14"
- Deluxe Rocket (15"

Ejector Tube

Dry cell battery not installed

Telescopic Guide Tube (12"

Ejector Tube Illustration:

1 to 12" above base (4). The body should rest on stop (3) which is on launch pad (2). Rocket rod (1) attaches to guide tube (5).
NOT ALL but particularly the home-made ones.

rockets and jet engines are kites.

the fake definitions that impressed on
these false definitions that impressed on
their minds. The fake definitions that impressed on
their minds.

be called and rocket when it is not. It is
be a cat called a rocket when it is not. It is
be a cat called a rocket when it is not. It is a
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\[ \text{Note: Engines are sold 2 per package.} \]

press with superpipe charges collected.

\[ \text{Can snap the entire order by trick or ex-} \]

\[ \text{We will ship at different times or we} \]

\[ \text{May be sent by mail in a single package} \]

\[ \text{Select two number only. Only 6 engines} \]

\[ \text{are included.} \]

\[ \text{Note: Engines are sold 2 per package.} \]

\[ \text{C and D Series} \]

\[ \text{A and B Series} \]

\[ \text{UJ ENGINE PRESS:} \]

\[ \text{12/600} \]

\[ \text{1.2" Tongue with positive con-} \]

\[ \text{1.5" Tongue with positive con-} \]

\[ \text{K-12 UJ Electrode Insulators, Ready to} \]

\[ \text{340} \]

\[ \text{Electrode Insulator material.} \]

\[ \text{12/450} \]

\[ \text{Ethylene, paint, etc.} \]

\[ \text{12/450} \]

\[ \text{Small size, handy for mixing in} \]

\[ \text{K-11 Plastic coated paper cups in} \]

\[ \text{55} \]

\[ \text{One package} \]

\[ \text{K-10 Glue, powdered, Touch, mix to} \]

\[ \text{2x x 202} \]

\[ \text{Each 202} \]

\[ \text{smooth, clean surface gently,} \]

\[ \text{K-9 Plastic Stock, Rigid cardboard,} \]

\[ \text{6/450} \]

\[ \text{Red, green, yellow, white,} \]

\[ \text{K-8 Tracing guide tube (16g)} \]

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<th>Description</th>
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If a modeler could purchase a jet engine of a commercial manufacture, there would be no sensible reason for him to chance blowing himself to bits. It should be revised to a controlling medium. There is no time and place for everything and you do not need restrictions on flying rocket models.

The Uni-Jet Company is trying to solve a major portion of the model rocketry problem by offering model rockets and engines designed to provide the modeler with a real operating model, having less power than the operating model, resulting in very low altitude ranges of less than 500 feet.

We must concede the fact that today’s modeler wants “in” on the modern idea of jet and rocket power. We must try to help with all reasonable consideration, otherwise, he will continue, in disaster.

Uni-Jet Company invites people and officials everywhere, to open the door to safe, sensible model rocketry and jet engines offered by Uni-Jet.

The National Association of Rocketry (NAR) reports over 1.5 million model rocket flights to date, without a single injury or death recorded. Something to consider before condemning model rockets!
If you like UJ products and have a new idea for their use or improvement, let us know about it. If selected, you will receive free merchandise of your selection.

1964

UNI-JET COMPANY
28 WEXFORD STREET
ALBANY 5, N. Y. 12205