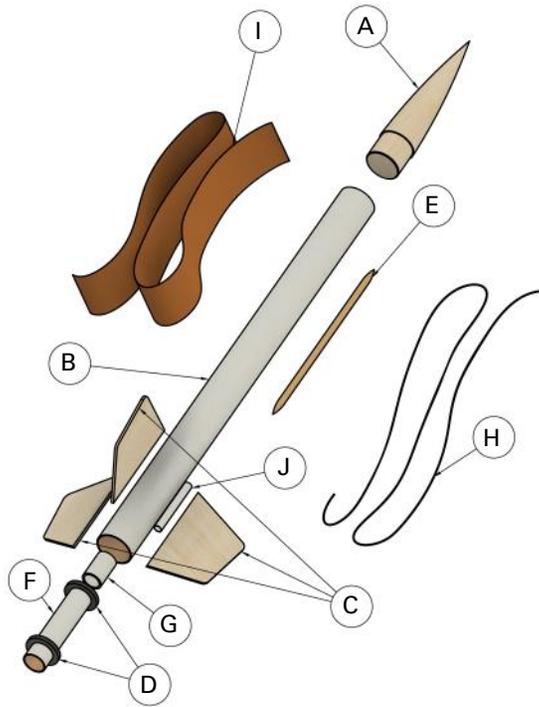


EXPLODED VIEW



PARTS LIST

A	1	Balsa Nose Cone.....	BNC-4AC
B	1	Body Tube	BT-4-HW
C	1	Laser-cut Fin Set.....	FMX-10
D	2	Centering Rings	RA-2-4
E	1	Wood Dowel 1/2"x2.5"	WD-13
F	1	Motor Tube	BT-2-125
G	1	Thrust Block.....	TB-2
H	1	Kevlar Cord	SCK-24
I	1	Streamer Pack	SP-118
J	1	Launch Lug	LL-MX-1
K	1	Decal (Not Shown).....	DKMX-10
L	2	Fin Alignment Tool (Not Shown)	TKMX-06

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About the MX Cherokee™

The MX Cherokee is a Downscale of the popular D-engine powered Cherokee-D originally produced by Estes Industries. It was designed by Gene Street and was released in 1969 as Catalog Number 694-K-47 and retailed for \$2.75.

Phil Queen was inspired to engineer the MX Cherokee™ to utilize the Micro Maxx brand of engines. These engines allow MX rockets to be flown in a smaller flying field for greater recoverability.

Phil is a Cherokee fanatic. He has upscaled and downscaled the Cherokee-D many times. He plans on eventually flying the alphabet from 1/8A to H just with Cherokees.

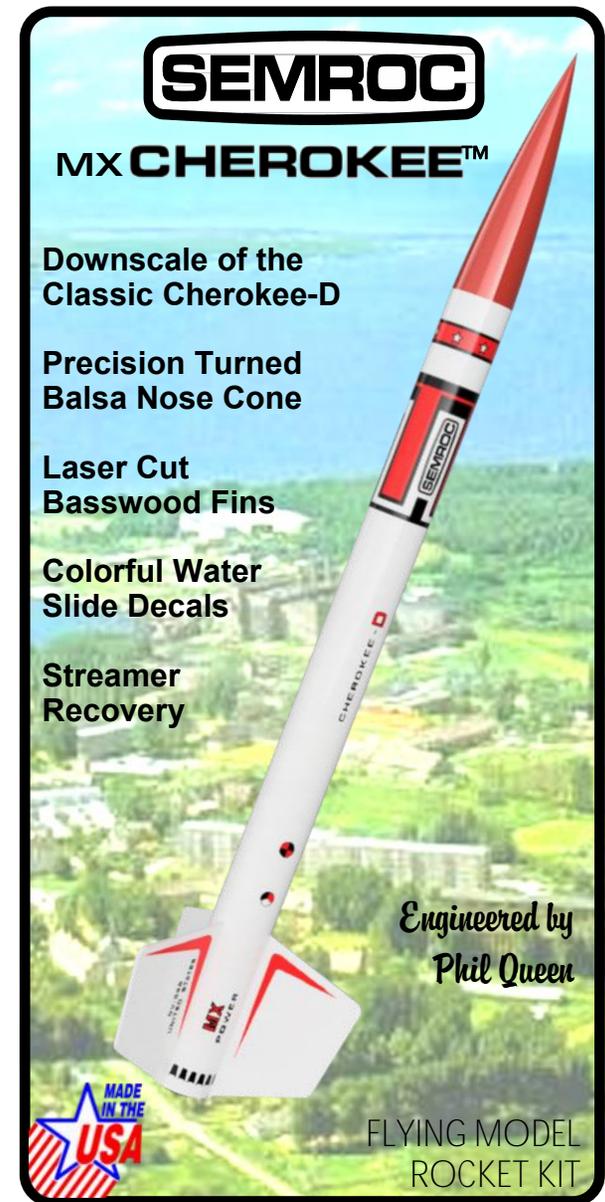
About Semroc

Semroc Astronautics Corporation was started by Carl McLawhorn in his college dorm at North Carolina State University in November, 1967. Convincing a small group of investors in his home town of Ayden, North Carolina to invest in a small corporation, the company was re-incorporated as Semroc Astronautics Corporation on December 31, 1969.

Semroc produced a full line of model rocket kits and motors. At its peak, Semroc had twenty-five full time employees working at two facilities. One was for research and development, printing, shipping, and administration. The other was outside of town and handled all production and model rocket motor manufacturing. For several years, Semroc successfully sold model rocket kits, supplies, and motors by mail-order and in hobby shops. In early 1971, Semroc became insolvent and had to close its doors.

After 31 years of dreams and preparations, Semroc Astronautics Corporation was reincorporated on April 2, 2002 with a strong commitment to putting the fun back into model rocketry. Many years of excellent service to the rocketry community passed by until sadly, on August 11 2013, Carl passed away and left a great void in the hearts of many rocketeers. He is forever in our hearts and minds.

In February of 2015, Semroc was sold to eRockets and moved to Dayton, Ohio where it resides today. It is our goal to continue the level of service and dedication to the hobby Carl and his family were so well known for. We strive to serve you, our customers, to the best of our abilities as we carry the vision of Carl McLawhorn boldly into the future.



Made in the U.S.A by Semroc - Dayton, Ohio

MX Cherokee™ KMX-10

Specifications

Body Diameter 0.488"(1.2cm)
Length 7.4"(18.8cm)
Fin Span 1.8"(4.6cm)
Net Weigh 0.17oz(4.8g)

Engine Approx. Altitude
Micro Maxx 250'

Skill Level 1

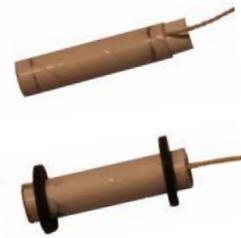
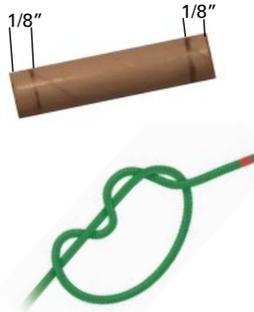
TOOLS

You will need the following for your assembly:

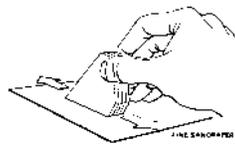
Pencil Ruler Hobby Knife
White or Wood Glue Sanding Sealer
220 Grit Sandpaper
Medium Viscosity Super Glue
Brush or Spray Paint

ASSEMBLY

❑ 1. Find the motor tube and place a mark 1/8 inch from each end of the tube. Tie a double overhand knot in the Kevlar shock cord near one end. See picture at right to see how to tie the knot. Put some glue in one end of the motor tube to hold the motor thrust block. Insert the end of the Kevlar shock cord with the knot into the motor tube before inserting the thrust block into the motor tube trapping it between the thrust block and motor tube. Push the thrust block in until it is flush with the motor tube. Pull Shock cord until the knot is seated against the motor block. Install the two black centering rings onto the motor tube and glue them at the marks that were made on the tube. Set aside to dry.



❑ 2. Stack all the fins in a set. Line the set of fins up squarely and sand the fins back and forth over some fine sandpaper to get rid of the hold-in tabs as shown.

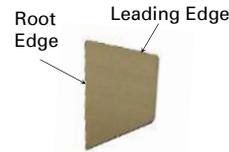


❑ 3. Feed the shock cord through the body tube before inserting the motor tube into the body tube. Put a good bead of glue on the forward centering ring and the forward side of the aft centering ring. Insert the motor tube and slide it in until it is flush with the rear of the body tube. Stand body tube upright and allow glue to dry.



❑ 4. Use a scrap piece of balsa or a toothpick to add a fillet of glue around the aft centering ring from the rear of the body tube.

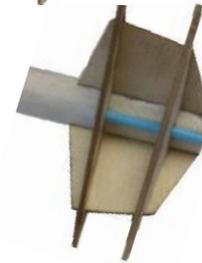
❑ 5. Using this picture, determine which edge of the fin is the root edge. This is the edge which will be glued to the body tube.



❑ 6. Using the enclosed fin alignment guides, glue the fins to the body tube. Because of the size of the fins, it is recommended that you use Medium Viscosity Super Glue to initially bond the fins to the body.



❑ 7. Glue the plastic Launch Lug to the side of the body tube even with the rear of the body tube. Add white or wood glue fillets to all glue joints.



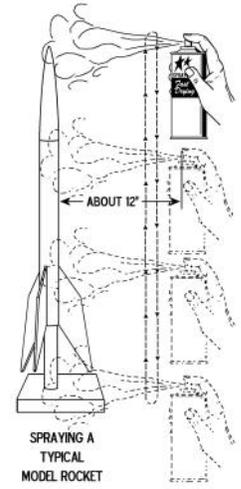
❑ 8. Take the toothpick and push it approximately 1/2 way into the rear end of the Nose Cone. Make a mark on the toothpick and then remove it. Fill the hole with glue and insert the end of the shock cord. Cut the toothpick at the mark you made and insert it back into the hole to hold the shock cord in.



❑ 9. Cut the piece of supplied Streamer material in half lengthwise. Attach one of these pieces to the shock cord near the nose cone with a piece of Masking Tape as shown.

FINISHING & DECALING

❑ 10. Prior to painting your rocket, it is a good idea to seal the wood surfaces with sanding sealer. Use at least 2 coats of sealer and sand with fine sandpaper until the surfaces are smooth. Testors 1245 Gloss White is recommended for the body and fins, and Testors 1203 Gloss Red is recommended for the nose Cone. Once the paint has dried, the decals can be applied by cutting them from the decal sheet. Dip them in warm water and allow them to sit until they slide easily on the backing paper. Use the picture on the front of the instructions to help with decal placement. The upper stripe should be placed 11/16" down from top of the body tube to match the picture. The red decals on the fins are the same on each side.



FLIGHT PREPPING

❑ 11. Mounting the engine: Friction fit the Micro Maxx motor with masking tape applied around it to keep it from being kicked out of the motor mount at ejection time.

❑ 12. Insert recovery wadding into the top of the Body Tube. Use a sufficient amount to protect the streamer, about 1 1/2 times the width of the body tube is enough.

❑ 13. Roll the Streamer and pack it and the shock cord on top of the recovery wadding. Slide the nose cone into place making sure not to pinch the shock cord or streamer.

❑ 14. Place the Rocket onto the Launch Rod. We recommend the Semroc ER-9080 Micro Maxx Launch Rod and Holder which attaches to a regular 1/8" launch rod. Make sure the motor seats onto the igniter fully.

❑ 15. Connect your controller leads, conduct your countdown. Launch your MX Cherokee.

❑ 16. Always check all parts of your rocket before each flight as part of your pre-flight check list, and make any repairs as needed before flight. Enjoy.