

GREEN EGGS



MODEL ROCKET INSTRUCTIONS

KEEP FOR FUTURE REFERENCE

IMPORTANT: Please record date found on decal and keep for future reference.

READ ALL INSTRUCTIONS. Make sure you have all parts and supplies. Test fit all parts before applying glue. Sand as necessary for precision assembly. Product color and shape may vary.

SUPPLIES





























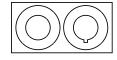


F 046005 Main body tube

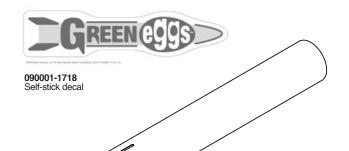


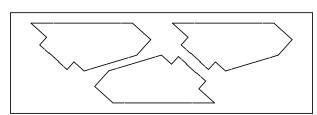
C 030164-2 Green engine block



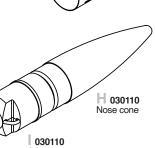


090052-1718 Laser cut centering rings



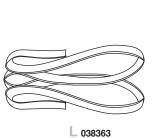






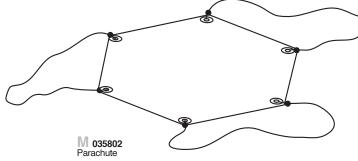




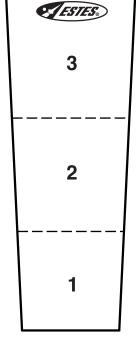


Shock cord

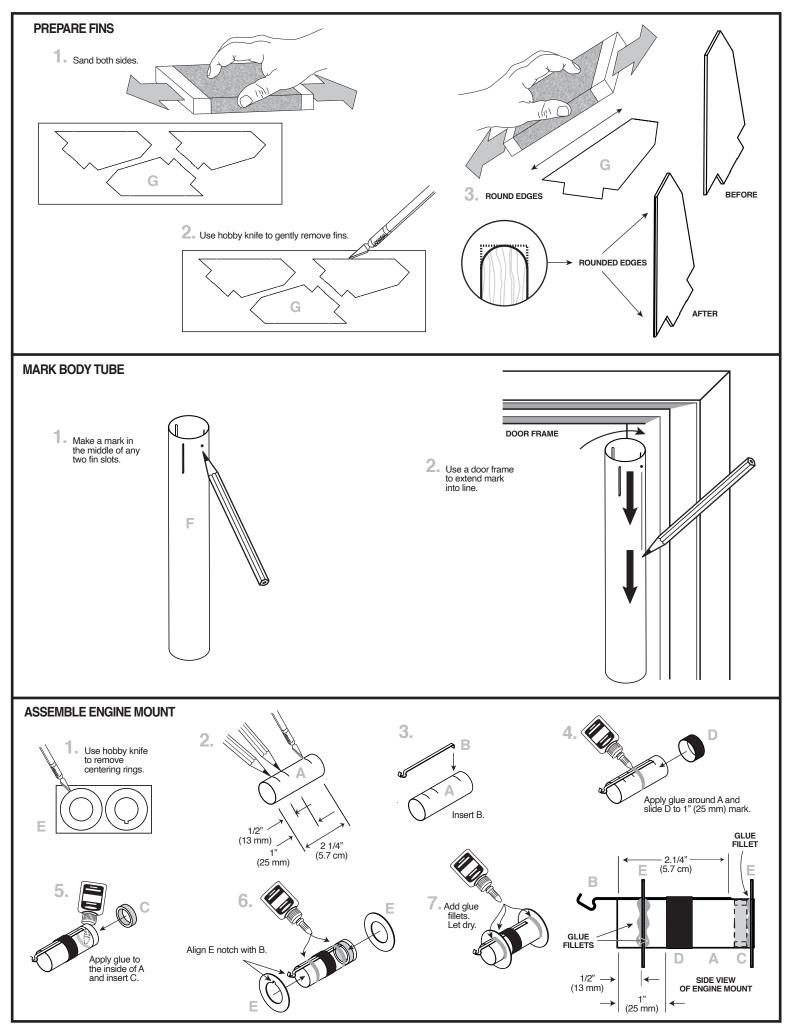
Adapter

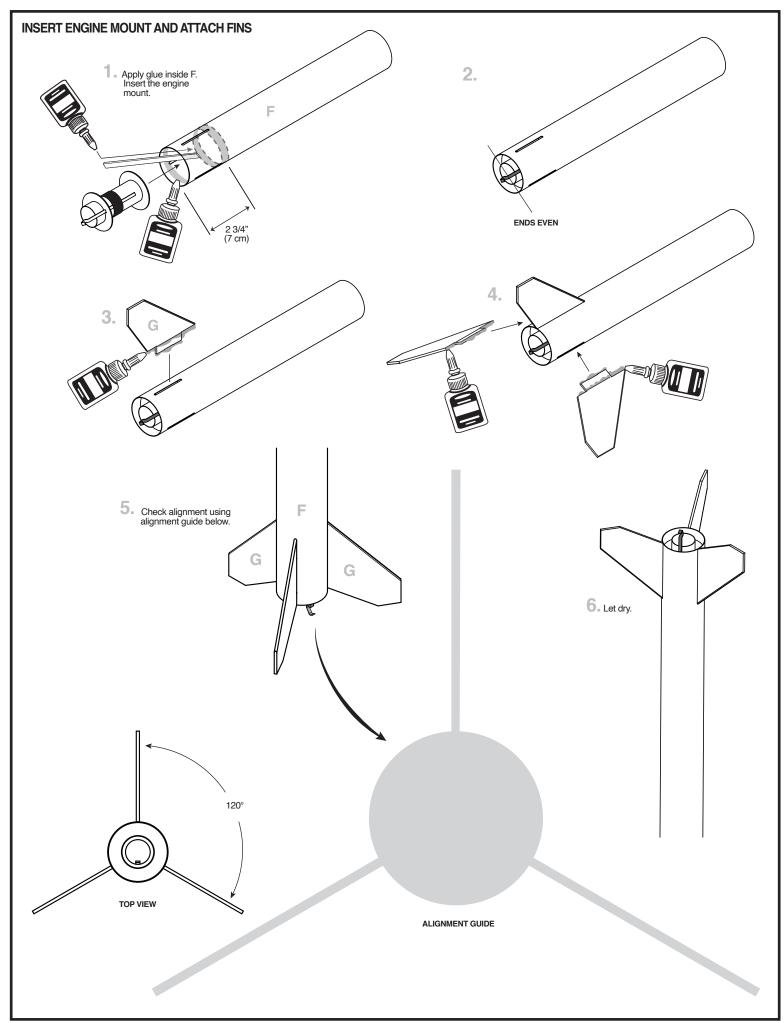


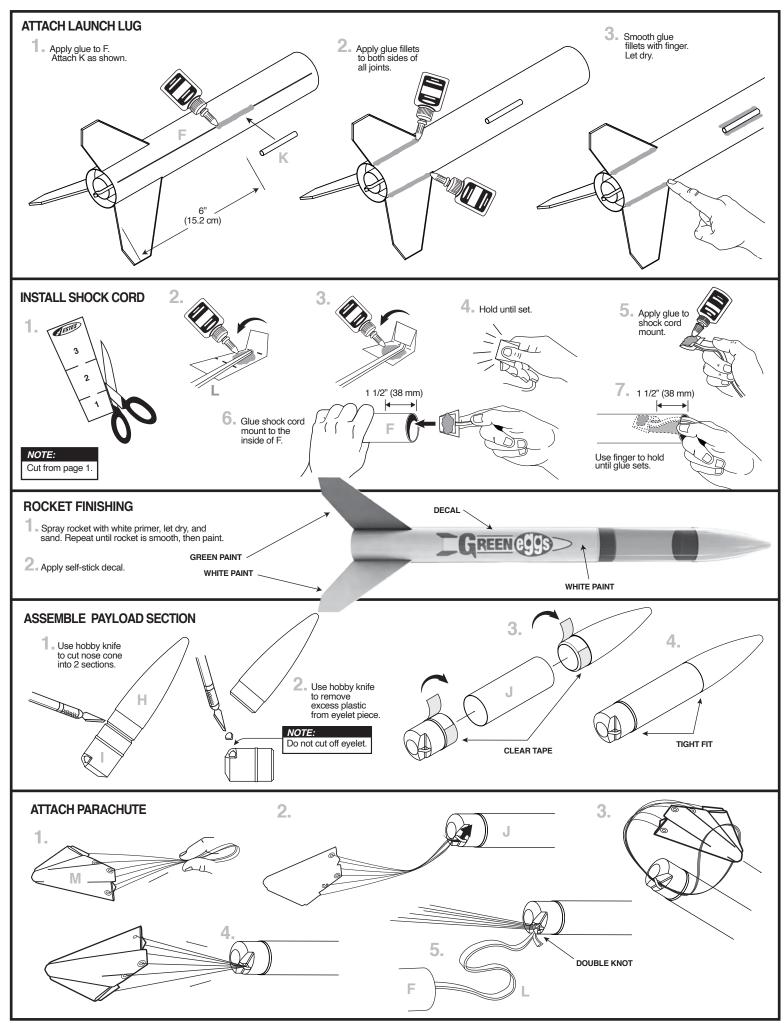
SHOCK CORD MOUNT

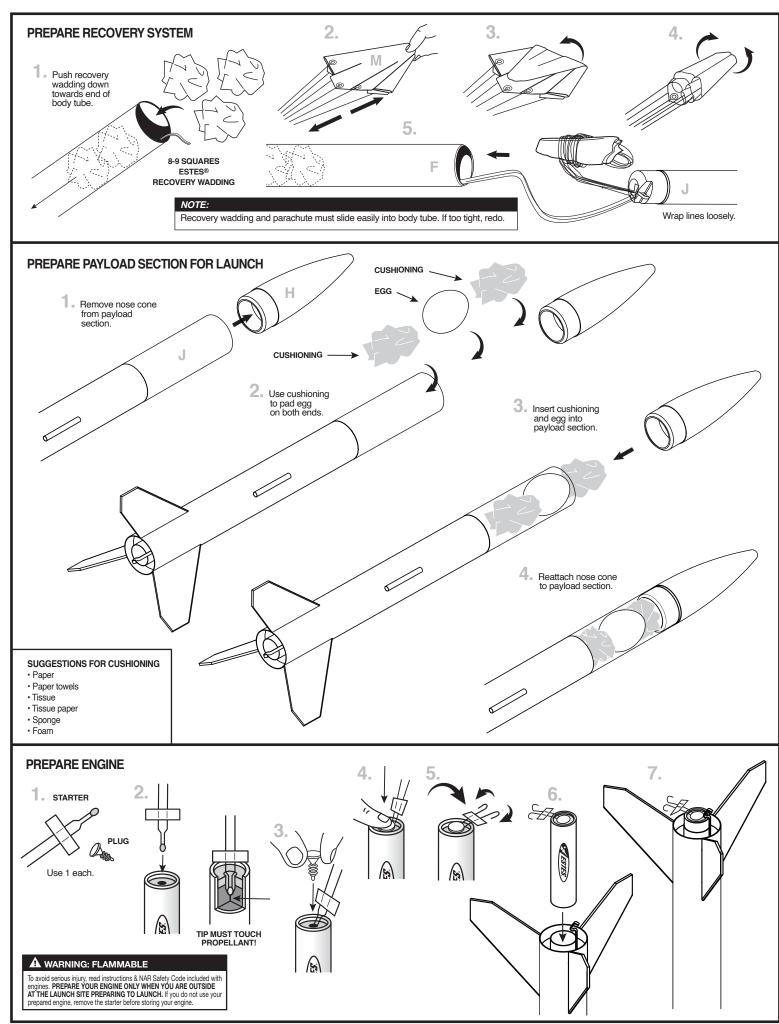


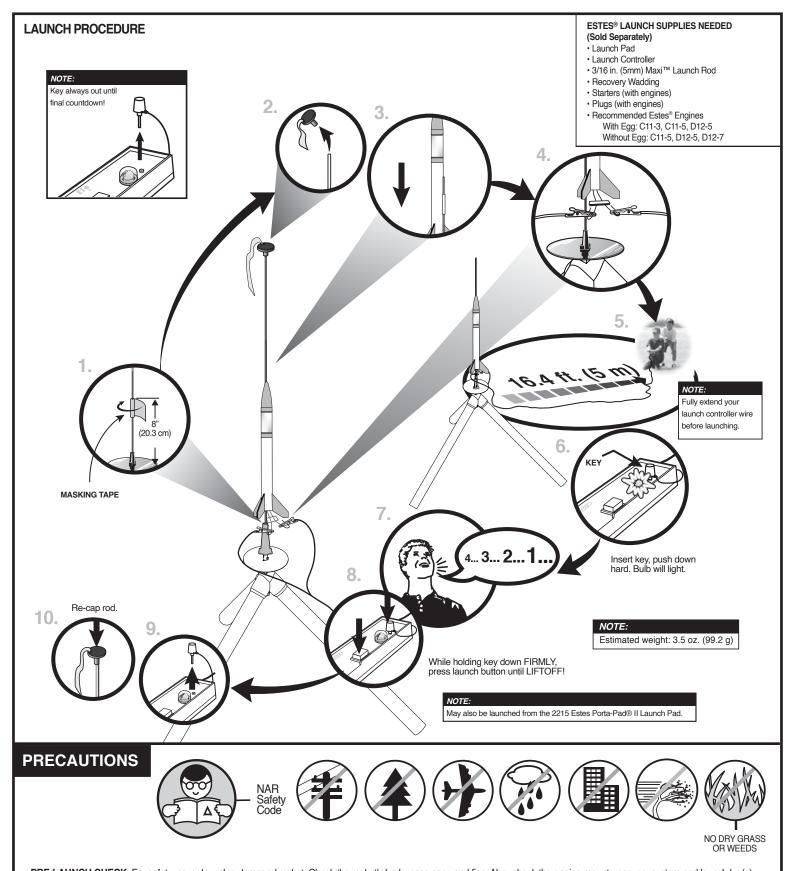
Make a copy if you want to keep instructions.











PRE-LAUNCH CHECK For safety, never launch a damaged rocket. Check the rocket's body, nose cone and fins. Also, check the engine mount, recovery system and launch lug(s). Repair any damage before launching the rocket.

FLYING YOUR ROCKET Choose a large field (500 ft. [152 m] square) free of dry weeds and brown grass. The larger the launch area, the better your chance of recovering your rocket. Football fields and playgrounds are great. Launch only with little or no wind and good visibility. Always follow the National Association of Rocketry (NAR) SAFETY CODE (enclosed).

MISFIRES TAKE THE KEY OUT OF THE CONTROLLER. WAIT ONE MINUTE BEFORE GOING NEAR THE ROCKET! Disconnect the micro clips and remove the engine. Take the plug and starter out of the engine. If the starter has burned, it worked but did not ignite the engine because it was not touching the propellant inside the engine. Put a new starter all the way inside the engine without bending it. Push the plug in place. Repeat the steps under Countdown and Launch.

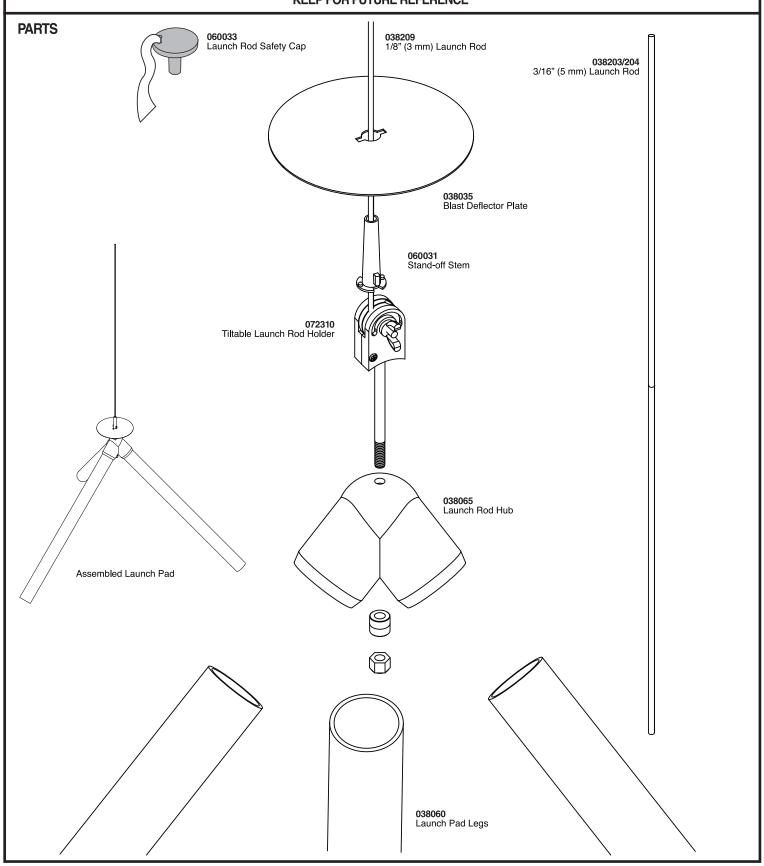
© 2019 Estes Industries, LLC, All rights reserved. Estes Industries, LLC, 1295 H Street, Penrose, CO 81240-9698 Made in Guangdong, China

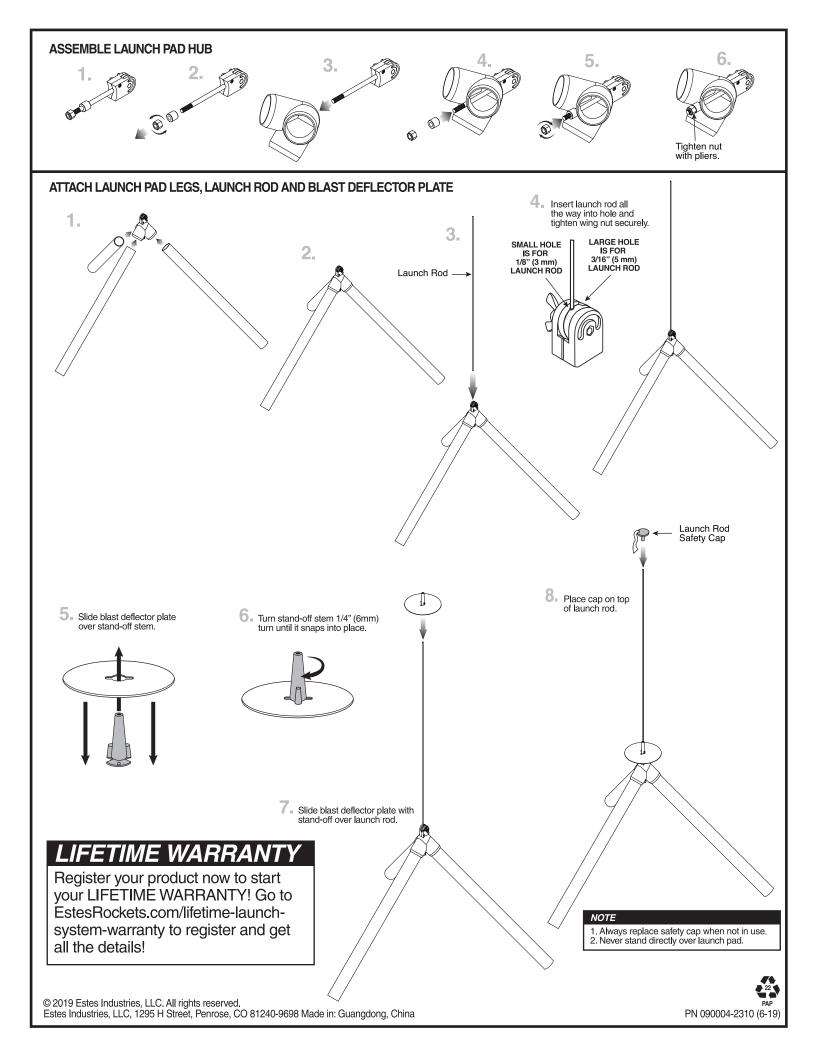


LIFETIME LAUNCH PAD

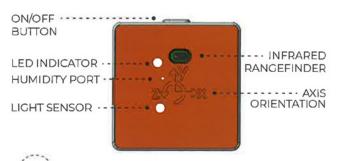
MODEL ROCKET LAUNCH PAD INSTRUCTIONS

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Voyager PRODUCT MANUAL





ALIGN SILICONE CASE BUTTON WITH VOYAGER BUTTON



MICRO USB CHARGING PORT



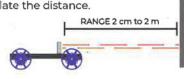
TEMPERATURE JACK

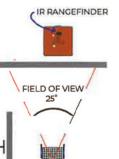
Short press	Initiate B	Initiate Bluetooth connection	
Long press	Power off		
LED CODES			
Fast red and green flash		Ready to connect via Bluetooth	
Slow red and green flash		Disconnected from app	
3 green flashes		Bluetooth connection initiated	
Green flash every 5 seconds		Connected to app	
Solid red		Disconnecting from app	
3 red flashes every 10 seconds		Battery charging	
Orange flashes		Downloading stored data to app	

IR RANGEFINDER

MEASURE VELOCITY

Attach the PocketLab Voyager to the top of a cart so the IR rangefinder is pointing at a wall. Rangefinders work by emitting laser beams that bounce off distance objects. The rangefinder's clock measures the time it takes for the laser to return and uses that time to calculate the distance.

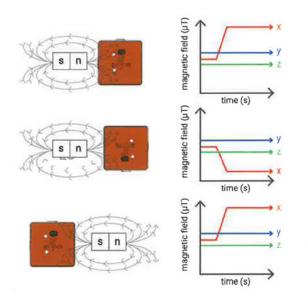




MAGNETOMETER

MEASURE MAGNETIC FIELDS

If the direction of an axis of the magnetometer is aligned with the direction of the magnetic field, the strength of the magnetic field will increase along that axis. Can you find the north and south side of a magnet on your refrigerator?



SENSOR CAPABILITIES

ACCELERATION
ANGULAR VELOCITY
MAGNETIC FIELD
POSITION - RANGEFINDER
VELOCITY - RANGEFINDER
TEMPERATURE - PROBE
TEMPERATURE - AMBIENT
BAROMETRIC PRESSURE

ALTITUDE LIGHT INTENSITY HUMIDITY DEW POINT HEAT INDEX

CHARGING THE BATTERY

To charge the battery, connect a micro USB cable to the connector on the PocketLab. Plug the USB cable into a USB charger or computer port. The LED will blink red every 10 seconds while charging and stop blinking when fully charged.

CONNECTION SIZE

Bluetooth 4.0 3.9 x 3.9 x 1.6 cm

(1.5 x 1.5 x 0.6 in) 17 grams (0.6 oz)

BATTERY

Rechargeable Li-Poly Connect via micro USB 240 mAh capacity

SENSOR SETTLE TIME

Give your PocketLab Voyager up to ten minutes to settle on new conditions.

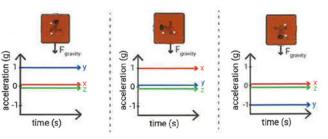
PRODUCT CARE

PocketLab Voyager is NOT waterproof. Make sure it is protected from rain.

ACCELEROMETER

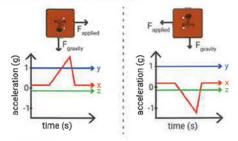
MEASURE GRAVITY

With PocketLab Voyager at rest, change its orientation with respect to Earth's gravity. How does the graph change?



MEASURE MOVEMENT

Shake PocketLab Voyager back and forth along different axes. How does the graph change?



Need Support?

Sign in to PocketLab Notebook for tutorials, knowledge base and chat support.

thepocketlab.com/notebook

Email:

thepocketlab.com/contact

Find detailed instructions and experiments.

app.thepocketlab.com/voyager



Turn On

Connect

Sign Up

Turn on your PocketLab sensor by pressing the button on the top. LED light will start blinking.

To turn off PocketLab, hold power button for three seconds until you see a solid light.

See your product manual for LED codes.

Stream live data from your sensor. Go to thepocketlab.com/notebook and click "Connect a PocketLab"

Computers with Chrome, Microsoft Edge Go to thepocketlab.com/notebook

Google Play App Store
Download "PocketLab Notebook"

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- · Manage a classroom of 35 students

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