

INSTALL SHOCK CORD

1. Cut from page 1.
2. Apply glue to shock cord mount.
3. Glue shock cord mount to the inside of D.
4. Hold until set.
5. Apply glue to shock cord mount.
6. Glue shock cord mount to the inside of D.
7. Use finger to hold until glue sets.

1 1/2" (3.8 cm)

NOTE: Cut from page 1.

ATTACH PARACHUTE AND SHOCK CORD

1. Apply glue to the inside end of L and insert K.
2. Twist.
3. Double knot.
4. Shock cord.
5. Double knot.
6. Shock cord.

LET DRY

DOUBLE KNOT

SHOCK CORD

PREPARE FLIGHT RECOVERY

1. Push recovery wadding down towards end of body tube.
2. 5-6 SQUARES ESTES® RECOVERY WADDING.
3. Wrap shroud lines loosely and insert parachute into body tube.
4. Insert nose cone into body tube.
5. Wrap shroud lines loosely and insert parachute into body tube.
6. Insert nose cone into body tube.
7. Parachute.

NOTE: Recovery wadding and parachute must slide easily into body tube. If too tight, redo.

PREPARE ENGINE

1. Starter.
2. Plug.
3. Starter.
4. Starter.

STARTER

PLUG

Use 1 each.

TIP MUST TOUCH PROPELLANT!

PREPARE ENGINE (CONTINUED)

5. Launch pad.
6. Launch pad.
7. Launch pad.
8. Launch pad.

LAUNCH PROCEDURE

NOTE: Key always out until final countdown!

ESTES® LAUNCH SUPPLIES NEEDED (Sold Separately):

- Launch Pad
- Launch Controller
- Recovery Wadding
- Starters (with engines)
- Plugs (with engines)
- Estes® Engines: B6-4 (first launch), B4-4, C6-3, C6-5.

1. Masking tape.
2. Launch controller.
3. Launch controller.
4. Launch controller.
5. Launch controller.
6. Key.
7. Countdown.
8. Countdown.
9. Countdown.
10. Countdown.

NOTE: Fully extend your launch controller wire before launching.

NOTE: Estimated weight : 3 oz. (85 g)

NOTE: While holding key down FIRMLY, press launch button until LIFTOFF!

18.4 ft. (5.6 m)

PRECAUTIONS

NAR SAFETY CODE

NO DRY GRASS OR WEEDS

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 starter 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.

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PN 090004-7281 (7-19)

ESTES SPACE CORPS™ CORVETTE CLASS

EstesRockets.com

7281

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.

SUPPLIES

SCISSORS, PENCIL, RULER, FINE SANDPAPER, CARPENTERS GLUE, PLASTIC CEMENT, HOBBY KNIFE, MASKING TAPE, PRIMER (WHITE), PAINT (LIGHT GREY, CHARCOAL GREY), CLEAR COAT (OPTIONAL), WAX PAPER

C 030125 Laser cut centering rings

E, F, G 090051-7281 Laser cut wood sheet

H 032062 Wood dowel

I 038175 Launch lug

J 038178 Launch lug

K 072774 Nose cone pin

L 073012 Nose cone

M 072421 Engine retainer set

N 030408 Engine mount tube

O 038362 Shock cord

P 035801 Parachute

Q 030382 Body tube

R 030162-2 Green engine block

S 035801 Parachute

T 035801 Parachute

U 035801 Parachute

V 035801 Parachute

W 035801 Parachute

X 035801 Parachute

Y 035801 Parachute

Z 035801 Parachute

090001-7281 Waterslide decal

TUBE MARKING GUIDE & SHOCK CORD MOUNT

Make a copy if you want to keep instructions.

ASSEMBLE ENGINE MOUNT

1. Use a hobby knife to cut the tube to a length of 3/8 in. (10 mm).
2. Apply glue to the inside end of A and insert B.
3. Apply glue to the inside of B and insert C. ENDS EVEN.
4. Apply glue to the inside of C and insert D. GLUE FILLETS.
5. Apply glue fillets. Let dry.

MARK TUBE

1. Cut the tube from above.
2. Apply masking tape to the tube.
3. Use a door frame to hold the tube straight.
4. Remove the door frame and use it to extend all lines.

NOTE: Cut from above.

PREPARE FIN DETAILS

1. Cut H into three pieces. Dimensions: 2 1/2" (6.4 cm) for each piece.
2. Round both ends with sandpaper. **NOT USED** (indicated by a crossed-out part).

PREPARE FIN DETAILS (CONTINUED)

3. Apply masking tape around H until it's a snug fit into I.
4. Apply glue to the inside of part I.
5. Slide H into I. **LET DRY**
6. Apply glue to the inside of part I.
7. Slide H into I. **LET DRY**

ASSEMBLE FINS

1. Use hobby knife to gently remove fin parts.
2. Assemble parts E, F and G on a flat building surface covered with wax paper. Let dry.
3. Apply glue to the inside of the fin base.
4. Apply glue to the inside of the fin base. **LET DRY**

INSTALL ENGINE MOUNT

1. Apply glue inside D. Insert the engine mount.
2. Apply glue to the inside of the tube.

ATTACH FINS

1. Apply glue to the fin base.
2. Attach the fin to the rocket body.
3. Attach the fin to the rocket body. **LET DRY**

1. Apply glue to D. Attach J as shown.
2. Attach the fin to the rocket body. **LET DRY**

ROCKET FINISHING

1. Spray rocket with white primer, let dry, and sand. Repeat until rocket is smooth, then paint. Apply decals only after paint is dry.
2. Cut decals from sheet, trimming close to edge.
3. One at a time, place in warm water until decal curls and begins to relax.
4. Remove and position on rocket, sliding decal away from backing material.
5. Blot with clean paper towel. Let set overnight.
6. OPTIONAL: Apply protective clear coat.
7. Remove masking tape.

ATTACH ENGINE RETAINER

1. Apply glue to the retainer.
2. Attach the retainer to the rocket body. **LET DRY**

