



QUEST PAYLOADER

No. 1604

ASSEMBLY INSTRUCTIONS

TOOLS YOU'LL NEED TO ASSEMBLE THIS ROCKET

Tube Type Plastic Cement

Hobby Knife



Yellow Body Tube
11409

Yellow Payload Tube
11403

Large Reducer
21072

Nose Cone
20209

Black Payload Tube
11506

White Shock Cord
50012

Yellow Shock Cord
50052

Motor Housing
20604/20605

Fin
20851 (4)

Coupler Base
20309

Coupler
21085

26" Shroud Lines
50100 (2)

Gripper Tabs
00500 (2)

14" Parachute
28107 (2)

Gray Motor Mount Tube
10301

Fin Locking Ring
20023

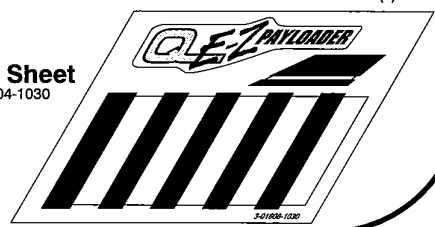
Fin

Display Stand
24208/24209

Decal Sheet
3-01604-1030

Motor Lock Ring
20024

PARTS NOT TO SCALE



1

White Elastic Shock Cord

Yellow Kevlar Shock Cord

A. Hold the Yellow and White Cords side by side with the ends even.

B. Tie an over-hand knot to join the cords.

C. Pass Yellow Cord through loop in Motor Housing.

D. Tie a double knot.

2

Plastic Cement

A. Position slot in Gray Motor Mount Tube over tab on Motor Housing.

B. Glue the two Motor Housing halves together.

C. Feed Yellow and White Cord through the Blue Body Tube.

D. Apply glue around inside of Body Tube and insert Motor Housing until it seats against the Body Tube.

3

A. Test fit all four Fins into the slots.

B. Remove each one, add glue and replace.

C. Twist Fin Locking Ring onto rear of Motor Housing.

D. Tie a figure "8" knot in the loose end of the White Shock Cord with a 1 inch loop as shown.

Check Fin alignment

4

A. Apply glue around inside edge of Tube Coupler.

B. Push Coupler Base into Coupler.

C. Apply glue around inside edge of Yellow Payload Tube. Push Coupler into Tube.

D. Apply glue to inside of Yellow Payload Tube and push Reducer into Tube.

E. Apply glue to inside of Black Payload Tube and push Reducer into Tube.

F. Position Nose Cone in end of Tube. **DO NOT GLUE!**

5

A. Place one Gripper Tab on each of the six corners on Parachute.

B. Firmly squeeze each Gripper to the Parachute with your fingers.

C. Tie Shroud Line with a double knot.

D. Attach ONE Parachute to eyelet in Coupler Base.

E. Attach ONE Parachute to loop in White Shock Cord.

Repeat A-C for second Parachute

6

A. Grab Parachute at center - pull gently.

B. Fold.

C. Roll.

D. Insert rolled Parachutes, then Shock Cord and slide Payload section in place.

PARACHUTES MUST SLIDE EASILY INTO THE TUBE.

7

A. Remove the self-adhesive decals one at a time.

B. Position on rocket.

C. Rub gently.

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