

Rip Cord Parachute Drop

User Guide



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EDUCATION

59756 V1114

Cautionary and Warning Statements

- This kit is designed and intended for educational purposes only.
- Use only under the direct supervision of an adult who has read and understood the instructions provided in this user guide.
- Read warnings on packaging and in manual carefully.

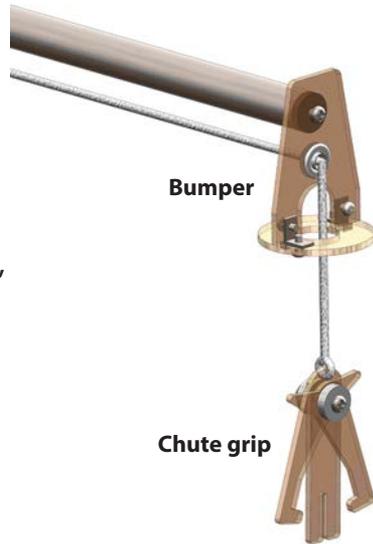
Introduction

The Rip Cord is a clever device for releasing student parachutes from a height of up to 30 feet while you stand safely on the floor. The Rip Cord can be mounted on the rim of a basketball hoop, from a suspended ceiling, or from a 13' aluminum stand (sold separately).

The Rip Cord consists of two parts, the chute grip and the bumper. A 100' piece of twine is attached to the chute grip and laced through the bumper. The bumper is then mounted on a tall structure (ceiling, basketball hoop, or aluminum stand).

To attach a parachute, lower the chute grip to floor level by releasing the twine. To launch the parachute, pull on the twine to raise the chute. When the arms of the chute grip strike the bumper, the parachute releases.

Two different hanging devices are included in this kit: if you purchased the aluminum stand (32894), you should receive a pan head Phillips screw for attaching the Rip Cord to the stand.



Parachute from aluminum stand

Materials Included

- Bumper brace
- 2 angle brackets
- 4 small machine screws
- Bumper ring
- Slot
- 2 arms
- 6 metal washers
- 2 large machine screws
- Nylock nut
- Wing nut
- 2 suspended-ceiling hangers
- Braided nylon twine (100')
- Nylon clamp
- 2 plastic washers

Items Required (not included)

- Phillips screwdriver
- Pliers

Assembling the Bumper

1. Before beginning assembly, remove the adhesive paper backing from all plastic parts.
2. Locate the bumper brace, the two angle brackets, and two of the small machine screws. Using a Phillips screwdriver, attach the *longer* ends of the angle brackets to the bumper brace with screws (Figure 1). Note that the brackets face in opposite directions.
3. Locate the bumper ring and the other two small machine screws. Attach the bumper ring to the angle brackets with the screws (Figure 1). The completed bumper is shown in Figure 2.

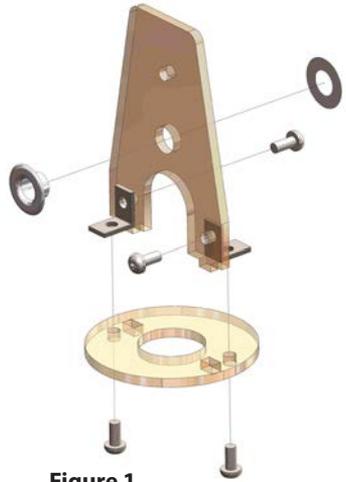


Figure 1

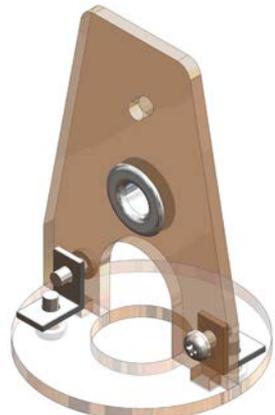
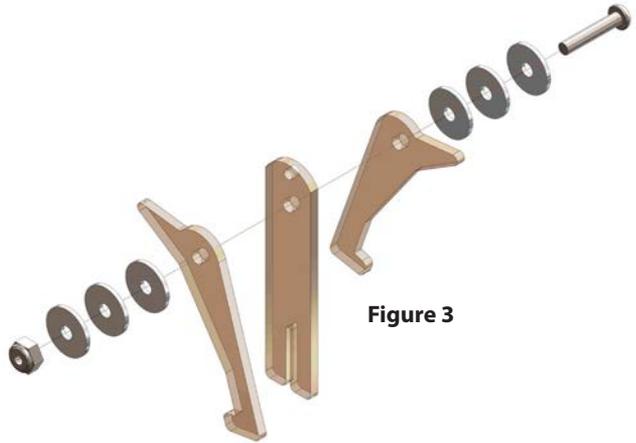


Figure 2

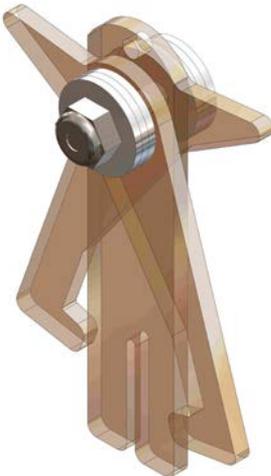
Assembling the Chute Grip

1. Locate the slot, arms, metal washers, one of the large machine screws, and the nylock nut. Stack them on the machine screw in this order (Figure 3):

- Three metal washers
- One of the arms (facing right)
- Slot
- The other arm (facing left)
- Three more metal washers
- Nylock nut



2. Grip the nylock nut with pliers and tighten the screw with a Phillips screwdriver. Tighten just enough so that the pieces move easily. The completed Chute Grip is shown in Figure 4 and from the top view in Figure 5.



Attaching the Twine

1. Tie one end of the twine to the top of the Chute Grip (Figure 6). **Hint:** To keep the ends of the twine from unraveling, briefly subject them to open flame.
2. Thread the twine through the bumper ring and through the grommet.

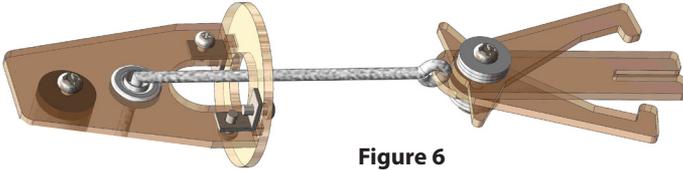


Figure 6

Attaching to a Basketball Hoop

Note: Assembly must take place on the hoop.

1. Locate the remaining large machine screw, the wing nut, the nylon clamp, and one of the plastic washers.
2. Loop the nylon clamp over the rim of the basketball hoop.
3. Push the machine screw through the clamp, slide the assembled Rip Cord and the plastic washer onto the screw, and then secure with the wing nut (Figure 7). A side view of the completed process is shown in Figure 8.

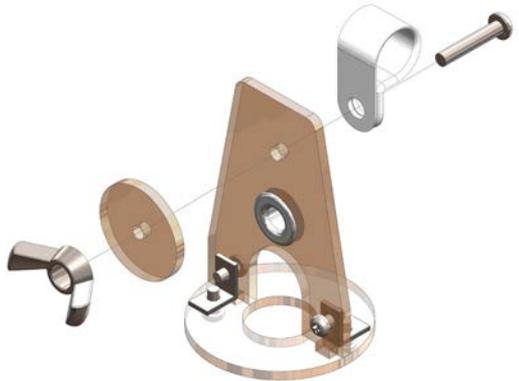


Figure 7

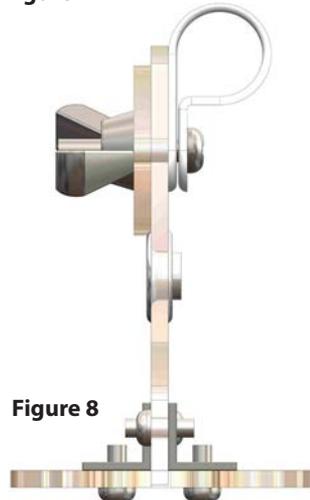


Figure 8

Attaching to the Aluminum Stand

1. Locate the pan head Phillips screw packaged with the aluminum stand.
2. Align the predrilled hole at the top of the bumper brace with the end of the stand's extended arm and attach it with the screw (Figure 9). A full view of the Rip Cord attached to the aluminum stand is shown in Figure 10.

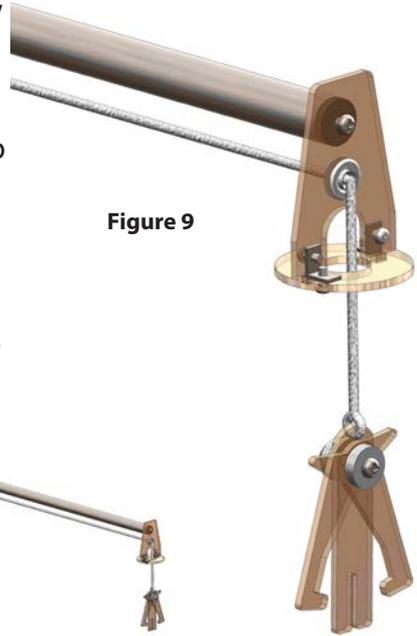


Figure 9



Figure 10

Attaching to a Suspended Ceiling

1. Locate the assembled Rip Cord, the remaining large machine screw, wing nut, two plastic washers, and the two suspended-ceiling hangers.
2. Slide them onto the machine screw in this order (Figure 11):

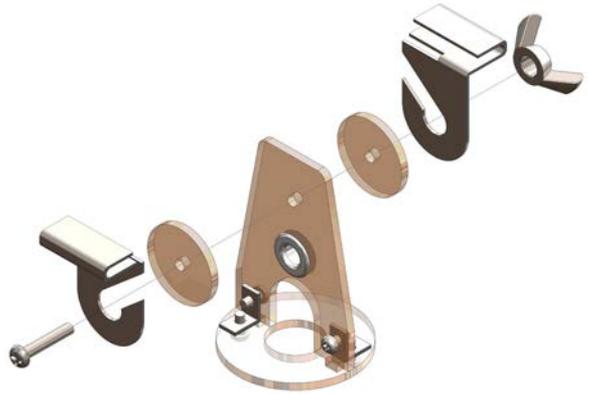


Figure 11

- One ceiling hanger (facing inward)
 - One plastic washer
 - Assembled Rip Cord
 - Other plastic washer
 - Other ceiling hanger (also facing inward)
 - Wing nut
3. Tighten the wing nut. A side view of the completed process is shown in Figure 12.
 4. Attach the Rip Cord to the ceiling's metal grid.

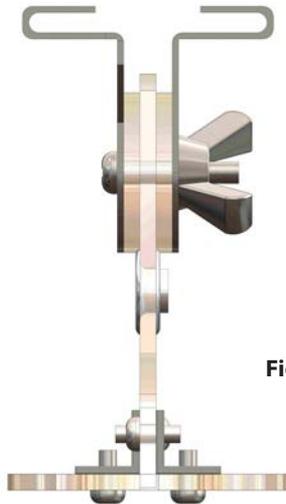


Figure 12

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