



**REVO ROLL CAGE KIT**

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Read these instructions and review the photos before you start. Use your factory owner's manual for reference. Attaching this roll cage requires drilling four holes in the chassis plate. You will need the following tools: A drill, 1/8" (3mm) drill bit, 3/32" (2.5mm) drill bit, a long 2.0mm ball-tip allen driver, long needle-nose pliers, and a medium strength thread lock compound, such as Loctite Blue. Most truck bodies will need to be modified to fit around the cage. A razor knife or rotary cutting tool such as a Dremel, is needed for these modifications.

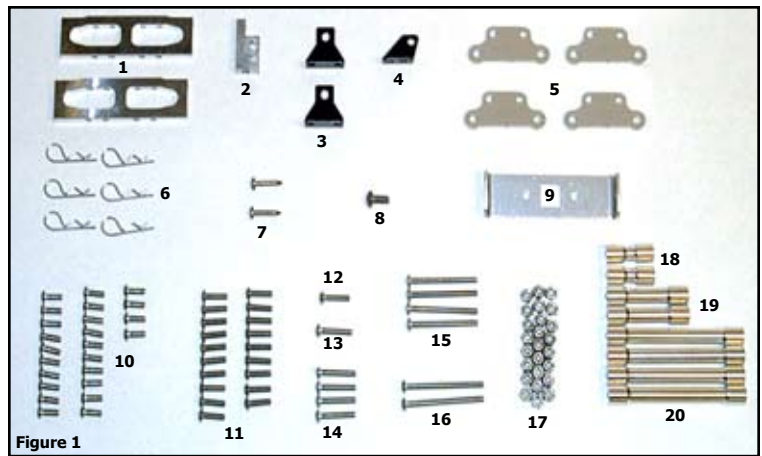


Figure 1

- |                                          |                                |
|------------------------------------------|--------------------------------|
| 1. (2) CAGE MOUNT 1                      | 12. (1) M3x12 BHCS             |
| 2. (1) CAGE MOUNT 2                      | 13. (1) M3x14 BHCS             |
| 3. (2) CAGE MOUNT 3                      | 14. (4) M3x16 BHCS             |
| 4. (1) CAGE MOUNT 4                      | 15. (4) M3x30 BHCS             |
| 5. (4) BUMPER BRACKETS                   | 16. (2) M3x35 BHCS             |
| 6. (6) HAIRPIN BODY CLIPS                | 17. (24) M3 LOCK NUTS          |
| 7. (2) M2.9x13 SHEET SCREWS              | 18. (2) SHORT CAGE SPACERS     |
| 8. (1) M4x8 BHCS (Button Head Cap Screw) | 19. (2) MEDIUM CAGE SPACERS    |
| 9. (1) STARTER PLUG BRACKET              | 20. (4) LONG CAGE SPACERS      |
| 10. (24) M3x8 BHCS                       | 21. (2) CAGE RAILS (Not Shown) |
| 11. (19) M3x10 BHCS                      | 22. (2) CAGE HOOPS (Not Shown) |
|                                          | 23. (1) CAGE BRACE (Not Shown) |

**1.** Remove the body, wheels, front and rear bumpers, front and rear body mount posts, exhaust pipe, fuel tank and roll bar, as shown in *Figure 2*. Remove the front two screws holding on the right radio box and loosen the third, but don't disconnect the wires.



Figure 2

**2.** Cut out the rear body post holders flush with the inside edge of the square as shown in *Figure 3*. Do this on the rear only.



Figure 3

**3.** Use the 1/8" drill bit to drill through the bumper mount tabs front and rear, as shown in *Figure 4*.



Figure 4

**4.** Attach *Bumper Brackets* to both *Cage Mount 1* parts with *M3x8 BHCS* as shown in *Figure 5*. Use thread lock liquid on metal-to-metal screws. Push the *Cage Mounts* into the original bumper locations front and rear, with the machined



Figure 5

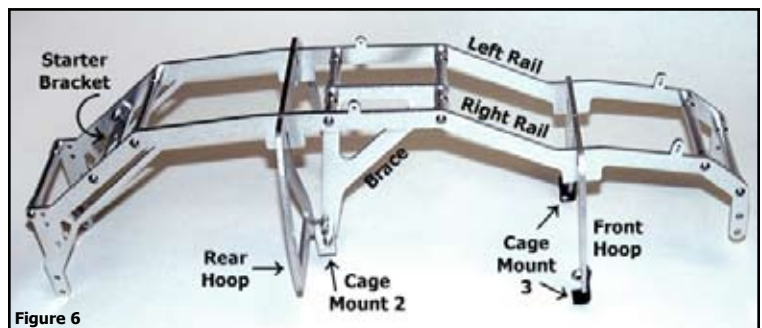


Figure 6

reliefs down. Secure with (4) *M3x8 BHCS*.

**5.** Assemble the cage as shown in *Figure 6*. There is a left and right *Rail*, a front and back *Hoop*, and a *Brace*. Hold the two *Rails* in one hand and put the *Back Hoop* in position first. Switch the two *Rails* if necessary to locate the *Rear Hoop* as shown. Then carefully work the *Front Hoop* into place. Do not bend or force the parts together. Attach the (4) *Long Spacers* with *M3x8 BHCS*, and attach the *Starter Plug Bracket* as shown with *M3x10 BHCS* and *Lock Nuts*. Attach the *Brace* with (2) *Medium* and (2) *Short Spacers*, with *M3x35 BHCS* going through the *Short Spacers* from the right side. Attach *Cage Mount 2* with *M3x12* and *M3x14 BHCS*; see *Figure 10* for close-up. Attach the (2) *Cage Mount 3* parts with *M3x10 BHCS* and *Lock Nuts*; leave all the mount screws slightly loose.

**6. Attaching the cage for drilling holes.** Slide the cage onto the mounts, starting at the front end. Lower the cage into place until the *Cage Mount 3* parts are under the chassis plate as shown in *Figure 7*. Secure the cage in position with *M3x10 BHCS* into the *Cage Mount 1* parts.



Figure 7



Figure 8

**7.** Turn the truck on its back and drill four 1/8" holes in the chassis plate through the *Cage Mount 3* parts, as shown in *Figure 8*.



Figure 9

**8.** Drop (4) *M3x10 BHCS* through the chassis plate from the top and secure with *Lock Nuts*, but leave them slightly loose. It may be necessary to file the back of the *Hoop* for clearance, as shown in *Figure 9*. It is tight here, so it helps to move the radio box out of the way.



Figure 10

**9.** Attach *Cage Mount 2* to the chassis plate with *M4x8 BHCS* as shown in *Figure 10*.



Figure 11

**10.** Attach *Cage Mount 4* to the chassis and the *Back Hoop* with (3) *M3x10 BHCS* and *Lock Nuts*, through the left-side roll bar screw holes, as shown in *Figure 11*.

Go around and tighten all the cage mount and spacer screws.

**11.** Drill into the plastic of the rear body mount with a 3/32" drill bit through the small holes in the *Cage Rails*. Screw in (2) *M2.9x13 Sheet Screws* as shown in *Figure 12*.



Figure 12

**12.** Attach the starter plug to the *Starter Bracket* with (2) *M3x8 BHCS*, as shown in *Figure 13*. The white plastic part goes against the back of the bracket; the screws thread into the black plastic part. Replace the fuel tank, exhaust pipe and right radio box. Route the wires and hoses above the shocks and tie out of the way.



Figure 13

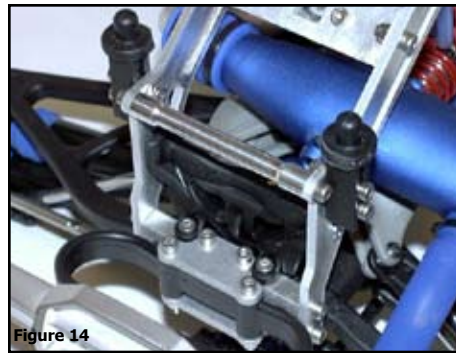


Figure 14

**13.** Cut the middle out of the rear body mount posts and shorten them by about half an inch. Drill out the holes to 1/8" diameter, and mount to the roll cage with (4) *M3x16 BHCS* and *Lock Nuts*, as shown in *Figure 14*. Replace

the bumpers using (4) *M3x30 BHCS* and *Lock Nuts*.

**14. Modifying the body.** For a pickup style body, cut a rectangular hole in the bed as shown in *Figure 15*. Make the cut about 3-1/4" wide, centered in the body width. Start at the roof and rear window intersection, cutting down the window and back to approximately 2" from the back edge. Add clearance where the cage rails pass the rear window and antenna hole.

**15. Making holes for body mount tabs.** Put the body into position, centered left-to-right. Push the body against the body mount tabs with your thumb to create small marks or impressions in the plastic at the tab points. Cut or drill holes at the marks, as shown in *Figure 15*. Attach the body with hairpin body clips. **Now go play!**

Check out [www.rc-solutions.com](http://www.rc-solutions.com) for all our R/C products.

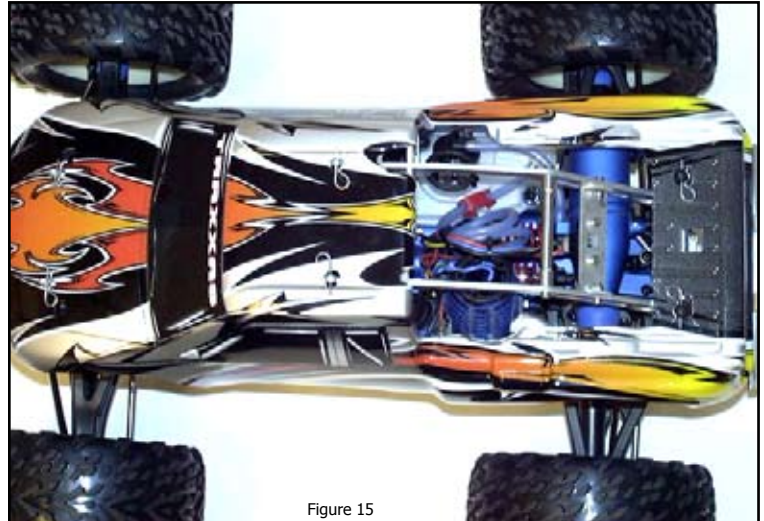


Figure 15

**NOTES:**

**1.** This roll cage adds strength and protection to your REVO, but it is not indestructible. It will bend from some impacts, especially crashing on asphalt or concrete. Always drive the truck with a body on. Crashing with a body allows the truck to slide along the ground. Crashing without a body results in the cage digging in and "sticking" to the ground, which is much more likely to bend the cage.

**2.** All items returned to RC Solutions for credit will be charged a 10% restocking fee.