



HT FEATHER for UTB18

3D-Printable Competition Chassis for Axial Capra UTB18 1/18 Rock Crawler V2.1

BILL OF MATERIALS

- PRINT: CHASSIS PIECES X2 – LEFT (FLAT) AND RIGHT (INCLUDES BODY & SHELVES) & SPACERS
 - YOU MUST SUPPLY:
 - o 8X M3 18MM BUTTON HEAD SCREWS
 - o 8X M3 8MM BUTTON HEAD SCREWS
 - o 1X DOUBLE-SIDED TAPE
 - o 1X BATTERY STRAP
- (Screws here: <https://amzn.to/480qVmo>)

PREPARATION

1. Remove the wheels, hex nuts and axle pins; set aside. Easier to do this with them off.
2. Remove the 8 screws under your UTB18 – the 4 on the skid and the 4 on the shock tops.
3. Remove the skid with the links and axles attached. Radio & ESC can come out too.
4. Disconnect the lights from the receiver and leave them attached to the original body.
5. Remove the 4 screws for the upper links and store with the original body.
6. Save the original screws in a little bag in case you want to reassemble later.

ASSEMBLY

Be careful: the chassis will be strong and rigid when installation is completed. However, whilst still in pieces, the larger chassis/body piece can be snapped if you're not careful. Handle with care!

The new chassis comes in two parts; a plate and a plate with body and shelves. We'll start with the RHS chassis/body piece – the bigger one – and leave the LHS flat piece for last. It's easier to get the electronics installed and routed, this way.

1. Align the RHS chassis with the skid. Install 2x M3 8mm flat/button head screws (either screw head type is fine).
2. Place the upper link ball ends into their default position on the skid. Install the 2x M3 18mm screws through the new chassis and then through the link bracket on the skid.
3. Remove the shocks from the axles and reinstall upside-down. Insert an M3 18mm screw through the ball end of the rear shock, then place a 3mm spacer on the screw, between the shock and the body. Screw into the body.

Shock Location Choice

- If using stock UTB18 links and shocks, the best location for the shocks is at each end of the roof body section, into the moulded sections. They need to be inverted so the adjustable collar can move freely.
 - If using custom links and/or shocks, you may find other hole locations are more suitable. If so, be sure to use the original UTB18 screws you set aside earlier to secure the upper roof holes when you attach the flat LHS chassis plate.
4. Place your electronics in the vehicle on the rear body shelf, above/behind the motor. Use the included double-sided tape to secure them appropriately. Ensure cables are routed neatly.
 5. Place the LHS chassis plate onto the rig. Align the recessed roof holes with the roof posts from the RHS chassis part.
 6. Install 2x M3 8mm screws on the skid plate holes.
 7. Install 2x M3 8mm screws on the two middle roof hole sections.
 8. Align the upper links into their skid plate brackets and install an M3 18mm screw through each of the chassis plate holes and through the link bracket.
 9. Install an M3 8mm screw on each of the shelf locations, one at each end of the body.
 10. Install the front shocks in the same way as before, using an 18mm screw and 4mm spacer. Ensure the roof pieces are aligned as you slowly tighten the screws.
 11. Cycle the suspension at both ends. Everything should move smoothly and there should be no binding.
 - o If something is binding or not moving properly, closely check to ensure you've correctly aligned the recessed roof pieces and that the screws are installed symmetrically and all contact points are aligned.
 - o Check for cross-threaded screws or shock body contact. Sometimes rotating the springs a little can help.
 12. If all is well, attach the wheels and hit the rocks!

(NOTE: not for resale. This downloadable is intended for your **private use only**).

Thank you for building my chassis. I really hope you enjoy it!

Happy crawling! -Craig, RC-TNT.com