

#80581, #80582, & #80585 RPM Revo Axle Carriers

Before You Begin

Please read through all of the following instructions and familiarize yourself with the installation steps before beginning. Take inventory of the package contents: 1 - left "L" axle carrier, 1 - right "R" axle carrier, 2 - 21mm bearings, 2 - 15mm bearings, 4 - aluminum pillow-ball setscrews, 4 - Delrin® bushing caps.

Warranty Restrictions

RPM Revo axle carriers have over 20% more material to help support the pillow-balls, preventing them from pulling through under impact. This extra material slightly reduces the size of the square opening where the pillow-balls exit the carrier. Because of this, use of the seldom-used Traxxas 120-LT Long Travel rockers (Traxxas #5356) will void the **RPM** warranty. Additionally, removal of the stock Traxxas steering stops will void the **RPM** warranty as well.

Initial Instructions

Before removing your stock parts, take note of your current camber and toe angles. Disassemble both stock carrier assemblies (all four if you purchased two packages of **RPM** carriers) from the truck. Discard the stock nylon pillow-ball setscrews (please read warning below) and silicone setscrew inserts. You will not need the stock bearings either. Retain the stock pillow-balls, silicone pillow-ball boots, boot locks, axle drive pins, axle washers, hex adapters and tie rod mounting screws for reinstallation. The **RPM** pillow-ball setscrews are a two-piece design. Press the Delrin® bushing cap into the bore of the aluminum pillow-ball setscrew on each of the included setscrews. **WARNING!** - Use of any **plastic pillow-ball setscrews** will void the **RPM** warranty (stock Traxxas nylon setscrews bind with the **RPM** material of the axle carrier, effectively welding the two pieces together!). Slide each of your stock Traxxas pillow-balls into the threaded area of the **RPM** carriers. To install the **RPM** aluminum setscrews properly, use a straight-tip hex driver and rest the assembled setscrew on top of the threaded area of the carrier (with the plastic bushing cap towards the pillow-ball), then slowly turn the setscrew as if you were removing it (counterclockwise) until it "falls" into the first thread. It is now safe to thread the setscrews into place. Failure to do this step may cause cross threading, which will void the **RPM** warranty.

Pillow-Ball Adjustment

The pillow-ball setscrews should not bind the suspension. Tighten the setscrews until the suspension just begins to bind and then back the setscrews off 1/8 of a turn or less. Check for free movement of the pillow-ball.

Installation

Slide your stock silicone dust boots over the exposed pillow-ball threads and lock the boots in place using your stock Traxxas boot locks. Carefully press a 21mm bearing into the back of the **RPM** carrier. Make sure that the bearing goes in straight (the fit of the bearings in the carrier is tight - be sure it seats itself all the way down). Press a 15mm bearing into the front of the carrier using caution to make sure it is installed straight as well. Align the carrier with the axle. (Be sure that the carriers marked with an "L" go to the left of the truck, looking from the back of the truck to the front and those marked with an "R" go to the right of the truck.) Slide the axle into the bearings and start threading the pillow-balls into the A-arms. Thread the pillow-balls into the A-arms until the end of the thread lines up with the A-arm. Now attach the tie rod to the **RPM** axle carrier. Slide the axle washer on to the axle, followed by the axle drive pin, and then reinstall the hex adapter. Finally, reinstall the wheels.

Camber Adjustment

Once the above instructions are completed, use your **RPM Monster Camber Gauge (RPM #70950)** to reset your camber to your original settings. Adjustments should be made equally between the upper and lower pillow-balls (i.e. ¼ turn *clockwise* on the upper pillow-ball should be met with ¼ turn *counterclockwise* on the lower pillow-ball).

Toe Angle Notes

The Toe angle should be set last. Toe angles can be checked and set with the **RPM Monster Camber Gauge** as well. Please review our FAQ page at www.rpmrcproducts.com/faq/camber.htm for instructions on using the Camber Gauge to check monster truck toe angles.

Replacement Parts

Our replacement oversized bearing set for **RPM** Revo axle carriers is **RPM #80570**. Our replacement pillow-ball setscrew package is **RPM #80010**.