

12181 Optima Mid RERE Ball Bearing Steering Kit

Note: you will need 3mm linkage from servo to the bellcrank

This steering kit for the Optima comes with both left and right input steering arms to give you greater flexibility in mounting, but the default is the left side input (same as stock). It is best to cut the protruding post flush for clearance. You will also need a pair of shorter 38-40mm steering turnbuckles. **Start** by pressing the bearings into the arms. **Next**, remove your existing post screws and replace them with the included screws. Install a plain nut, $\frac{1}{4}$ " spacer, and yellow steering post onto the screw. A $1\frac{1}{32}$ socket makes this easy! **DO NOT OVERTIGHTEN!** **Next**, install the rack bar to the top side of the bellcranks using 3x8mm screws and a shim on both sides of the bar. Snug them down lightly, and then back off $\frac{1}{4}$ turn at a time until it frees up. If you snug them too far, it can strip the nylon or cause the rack to bind. Install the rack assembly onto the posts slowly and equally until seated at the base of the post. Now install the washers and locknuts. Again, lightly snug, and then back off until everything moves freely. **The final step** is to install your ball joints and set your linkages. The ball will mount to the bottom side of the rack bar. **Make sure** that your tie rods are parallel to the lower control arm. If not, you may need to shim either the outer ball joint at the wheel, the inner ball joint at the rack bar, or by using a flat washer under the steering post.

