

MOUNTING XLQ98 SPEED REDUCERS

Fits XLA98, XLC98, XLK98 and XLQ98 Series Roller Skis Rev. 5/22

Caution! Roller skiing can be dangerous. Wear a helmet and other appropriate safety equipment. Ski in areas with little or no traffic. If you are a beginner, seek advice from an experienced roller skier and always use common sense when roller skiing. The V2 DVD, "Becoming a Better Skier", is an excellent instructional video for both beginners and experienced skiers. Remember to inspect all equipment every time you ski. Tighten loose parts, grease any metal-on-metal parts such as notched speed reducer arms.

TOOLS REQUIRED: 10mm open end or socket wrench - fine-tooth wood/hack saw or sharp box cutter - 5mm Allen wrench

MATERIALS INCLUDED IN THE XLQ98 SPEED REDUCER KIT: Two Speed Reducer Assemblies - One 1.25mm-aluminum plate with an adhesive liner.

REMOVING THE FENDER SECTION FROM THE FRONT WHEEL FORK HOUSING: Mount the skis in a vise. Place two pieces of wood or other protective devices between the vise jaws and the ski so the ski shaft will not be damaged. The composite fork/ fenders are designed so that two simple cuts create an opening in the fender for the speed reducer. Remove the protective paper covering the adhesive on the aluminum plate. Insert the enclosed aluminum plate as shown in **Figure 1**. The thin aluminum plate is inserted under the section to be cut so that you will not accidentally cut into the fork housing or wheel. Using your cutting tool, cut along the edge until the fender section separates from the wheel fork housing. Next move the aluminum plate under the fender for the second cut. Cut until the saw hits the protective aluminum plate and the fender section separates from the wheel fork housing.

MOUNTING THE SPEED REDUCER: Remove the wheel bolt as shown in **Figure 4**. Spread the Speed Reducer assembly and slide it over the wheel fork housing as shown in **Figure 5**. The press fit inserts that protrude from the aluminum plates should fit into the 4.5mm holes in the sidewalls of the wheel fork. After the inserts have "snapped" into the holes, align the 6mm holes in the aluminum plates with the wheel fork holes, and with the round washer on the bolt, insert the bolt and install the other round washer. Tighten snugly with the 6mm nut. (See **Figure 6**). Be certain bolt is tight enough so that the press fit inserts do not pop out of the holes in the fender when engaging/disengaging the reducer.

