INSTRUCTIONS FOR MOUNTING XL98, XL98RC & XL9848 SPEED REDUCERS 7/18

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 nuts, screws and bolts. Reapply grease to Speed Reducer roller arms.

TOOLS REQUIRED. A #2 Phillips screwdriver and, if possible, a vise to hold the skis.
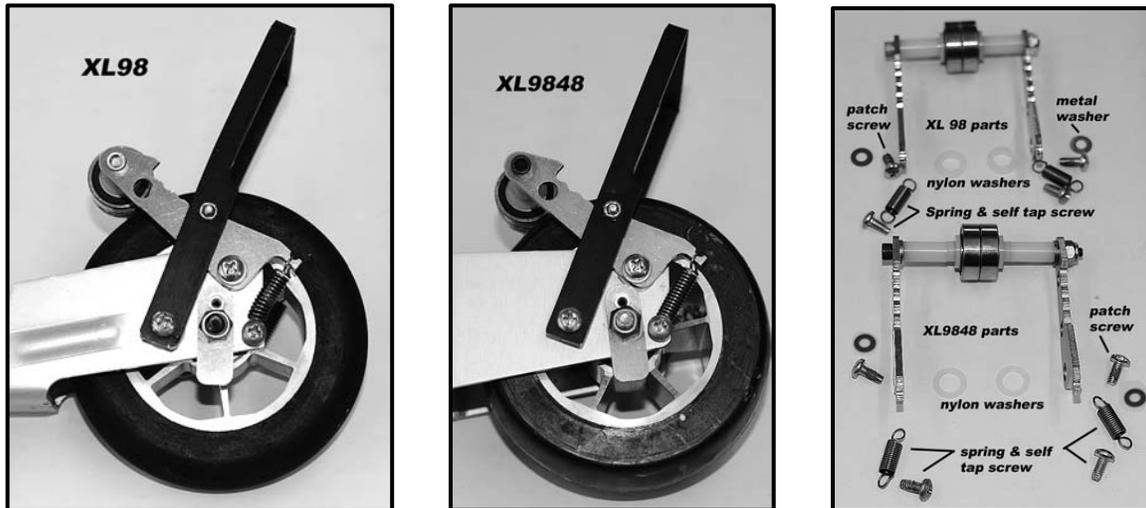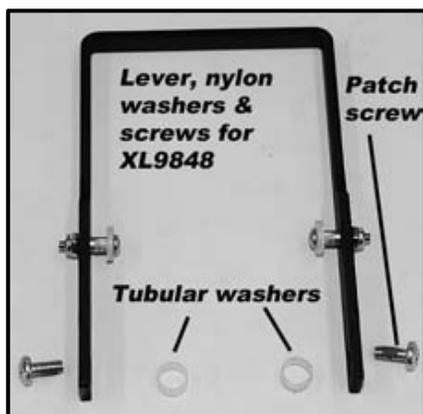

Figure 1

Roller Arm: The roller arms are very similar except the XL9848 is wider. Place the thin nylon washers shown in Fig.1 over the Pem standoffs in the wheel fork (1 over each standoff for the XL98) (2 over each standoff for the XL9848). Place the bearing roller assembly over the stainless steel standoffs. Next put the metal washers onto the Patch screw (red dot on screw shaft) and install the screws with the Phillips screwdriver.

Installing the Springs: Place one end of the spring over the self-tapping screw. Place the other end of the spring over the hook in the roller arm. Next, place the screwdriver tip into the screw, pull down on the spring and install the screw so the screw is protruding about 1.5 mm (1/16") on the inside of the wheel fork. An electric screwdriver makes the job much easier.

Installing the Lever: For the XL98, first put the flat washers over the Pem standoffs then the tubular nylon washers. For the XL9848 install the tubular washers. Secure the lever with the patch screws(red dot on screw shaft).

How to Use the Speed Reducer: To engage simply pull the Lever towards you. When the wheels are new and not worn we do not recommend using the maximum resistance position. The roller arms should be lubricated regularly with grease.
We recommend STAR fluorocarbon grease.