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ELECTRIC SCISSOR WHEEL BOLT INSPECTION

As a required part of each inspection, wheel assemblies and their connection to the machine must be checked. This includes looking for any signs of damage and ensuring that the wheel bolts are properly tightened. If any wheel bolts are found to be loose or not at the correct torque value of 90 ft-lb (122 Nm), each component (wheel rim, wheel bolts, hub) should be inspected to ensure that there is no damage, prior to re-assembly. Do not attempt to re-tighten damaged parts – they must be replaced.

When replacing or re-installing a wheel/tire or wheel bolt, ensure that all the mounting surfaces are clean and free of any debris, rust, excess paint, etc. Mount the wheel on the hub, centering the mounting holes on the bolt holes as shown in Figure 1.

Install the wheel bolts and hand tighten to center the rim on the hub. Next, torque the bolts to approximately 50 ft-lb (68 Nm) in the tightening sequence shown in Figure 2. Torque the wheel bolts again to their final torque of 90 ft-lb (122 Nm) using the same sequence.

Repeat the tightening sequence to confirm that none of the wheel bolts have changed from 90 ft-lb (122 Nm). If any wheel bolts have changed in value, repeat the complete torqueing sequence until there is no change in torque values. If possible, drive the machine prior to checking the torque values.

The regular and required checks of the wheel bolt torque will ensure that the wheels remain secure and that damage to the assembly will not occur.

To aid operators conducting daily inspections ensuring tightness of the wheel/tire assembly, torque seal paint, wheel nut indicators or other visual indicators may be used.

If you have any questions regarding your Skyjack product, please call Skyjack Product Support at 1-800-275-9522 or email service@skyjack.com

