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HUB CITY GEARBOX SEAL REPLACEMENT

- 1. For safety, disconnect the electrical power supply to the machine whenever servicing.**
- 2. Remove the protective cover from the gearbox (use a screw driver to pry off).**
- 3. Remove the four bolts securing the motor to the gearbox (the motor must be supported prior to removing the last bolt to prevent it from dropping).**
- 4. Carefully remove the motor from the gearbox, being careful not to lose the key on the shaft and not to damage the electrical cable to the motor.**
- 5. Remove the four bolts securing the gearbox and rotate the gearbox so that the motor side is accessible (be careful, the gearbox will drop a few inches when you remove the last bolt). Cover the breather plug with a piece of tape to prevent oil from leaking (or drain the gearbox, refer to the oil change instruction sheet). Note, it is not necessary to remove the gearbox bolts, this is for convenience only, the seal can be accessed and replaced with the gearbox in its normal position, but then the oil must be drained prior to removing the old seal.**
- 6. Using a flat blade screwdriver, remove the old seal around the shaft being careful not to push it down into the gearbox housing (it may be tight, pry if necessary to unseat it).**



- 7. Once the old seal is removed, clean the area and apply a small amount of oil to the new seal.**





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8. Insert the new seal into the gearbox housing so that it rests just below the rim of the gearbox housing (if needed use a deep socket large enough to fit over the seal as an insertion tool to the required depth, lightly tapping with a hammer). Be sure to keep the seal straight as it goes in, stopping when seated.



9. Re-install the four gearbox bolts (if removed) and remove the tape from the breather plug (or add new oil if it was drained, refer to oil change instructions).
10. Re-attach the motor to the gearbox, being careful not to over tighten the bolts, while making sure the motor and gearbox keyways are aligned and key inserted. Re-install the Ensure oil level in gearbox is correct.
11. Reconnect the electrical power to the machine and test operation of the gearbox.