



AutoGate

Gate Entry Systems

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MOTOR REPLACEMENT STEPS

A few simple steps are needed to change out the motor bracket assembly. They are as follows;

1. Turn off the AC & DC power.
2. Remove the wire nuts from the motor leads.
3. Cut the wire tie holding the wires together (replacement tie supplied)
4. Release the belt tension on the motor by releasing the clamp.
5. Using a 7/16" wrench, remove the motor shaft stabilizer bracket. This will be reinstalled.
6. Remove the belt.
7. Pull the hair pin cotter from the support rod and slide the assembly to one side so it drops out from the hanger brackets and remove the assembly.
8. Match the thread adjustment of the clamp from the old unit to the new unit. It is much easier to do with the motor assembly out.
9. Install the new assembly on to the hanger brackets and replace the hair pin cotter.
10. Place the belt back on the new assembly's sheave. Check to make sure the belt is aligned properly with the large sheave. Once aligned, tighten the sheave set screw to the motor shaft. If sheaves do not align, contact the factory for assistance.
11. Install the motor shaft stabilizer bracket and tighten. Use the supplied 1/4-20 hex nut to secure the bracket.
12. Tighten the belt using the clamp, adjust if necessary.
13. Using the wire nuts, reconnect the motor wires.
14. Turn on the AC & DC power and test the operator for proper operation.
15. Set belt tension for 1/2" deflection with 10lbs of force.

We have provided return labels for your convenience to return the removed assembly back to Autogate.

Thank you for assistance, we appreciate it!

Don Rodwancy

Vice President

www.AutoGate.com

OIL CHANGING INSTRUCTIONS

1. REMOVE OIL PLUG AND DRAIN TRANS FLUID INTO AN APPROVED CONTAINER. BE SURE TO ROLL GEAR MOTOR TO ASSURE THAT ALL OIL IS FREE TO DRAIN OUT.
2. DESPENSE THE 6 OZ OF SUPPLIED GEAR OIL INTO THE GEAR BOX.
3. REPLACE THE PLUG.



Seal Replacement – Leeson Inline Gearbox

1. Release belt tension per design;
Release latch clamp on double reduction systems.
Remove the 3/8-16 nut on adjustment rod at bottom of motor bracket.
2. Remove belt/s by rotating motor bracket. Note: may need to remove top of cabinet to allow enough rotation to remove belt.
3. Remove “hair” pin cotter from pivot shaft.
4. Slide motor bracket back to disengage one end of pivot shaft from mounting brackets.
5. Tip motor bracket and motor down and remove from other mounting bracket.
6. Loosen 2 Allen head set screws on motor sheave.
7. Use pulley puller to remove sheave from motor shaft.
8. Locate Allen head plug on face of gearbox and remove.
9. Drain gear oil into a clean pan or bowl. Make sure to rotate and twist motor to drain as much as possible.
10. Stand the motor on end with the output shaft pointed up.
11. Using a small hook tool or small flat blade screw driver, slide tool into seal next to shaft being careful not to gouge into shaft.
12. Pry seal upward until one side comes out of housing.
13. Pull seal upward off of output shaft.
14. Wipe shaft and seal well with clean rag. Try to get shaft clean and dry as possible.
15. Using either masking tape or electrical tape, cover the entire length of the keyway slot.
16. Wipe the lip of the new seal with a little oil.
17. Push seal onto shaft, lip edge down, and slide down shaft until positioned over seal well.
18. Gently tap seal housing with a small hammer until seal is started evenly into well.
19. Using a 3/4” open end wrench or similar tool as press, tap seal until completely seated into well.
20. Remove tape from shaft.
21. Refill gearbox with 6 fluid oz. Mobil Gear Oil XP300.
22. Reassemble gearmotor onto mounting bracket following new bracket instructions.