



AutoGate

Gate Entry Systems

7306 Driver Road • P.O. Box 50
Berlin Heights, OH 44814
Ph. 419.588.2796 Fax: 419.588.3514

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 Mobilegear® 600 XP320.
22. Reassemble gearmotor onto mounting bracket following new bracket instructions.