



This is a guide to greasing the vibrating assembly for your WEN 56035, 56035T, or 56035M plate compactor. This guide is best used in conjunction with the compactor's manual, included as a physical copy with your unit and available on the WEN website page for the plate compactor ([link here](#)), by clicking "Click here to view the product manual".

If at any point you need assistance, have questions, or want to order parts, call WEN customer service at 1-847-429-9263, M-F, 8-5 Central Time, or email [techsupport@wenproducts.com](mailto:techsupport@wenproducts.com).

**If replacing any parts, use only genuine replacement parts purchased from WEN Products. Use of replacement parts not sold by WEN Products will void your warranty and could lead to decreased performance or injury.**

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### TOOLS NEEDED

- 13, 17, 18, 19, 27mm sockets and ratchet
  - *Alternative: combination or adjustable wrench(es)*
- *Impact wrench or breaker bar (optional)*
- Large flat-head screwdriver
- Torque wrench and appropriate standard sockets, as well as 5mm and 6mm hex-bit sockets
- 5mm and 6mm hex wrench
- Retaining ring pliers
- Rubber mallet
- Reversible anaerobic threadlocker (e.g. blue Loctite ®)
- NLGI #2 EP lithium-based high-temperature grease, approximately 60 – 70 grams.

ENSURE THAT THE ENGINE IS COOL BEFORE BEGINNING ANY MAINTENANCE OR REPAIR WORK. FOLLOW ALL SAFETY PROCEDURES LISTED IN YOUR OWNER'S MANUAL. USE COMMON SENSE. AVOID INJURY.

### REMOVING THE VIBRATING ASSEMBLY

1. Make sure the engine is shut down and fully cooled. Drain the engine oil and gasoline according to the instructions in your owner's manual.
2. Use a 13mm socket and ratchet (or combination wrenches) to remove the mounting bolts on both sides of the belt cover (Figs. 1 & 2).

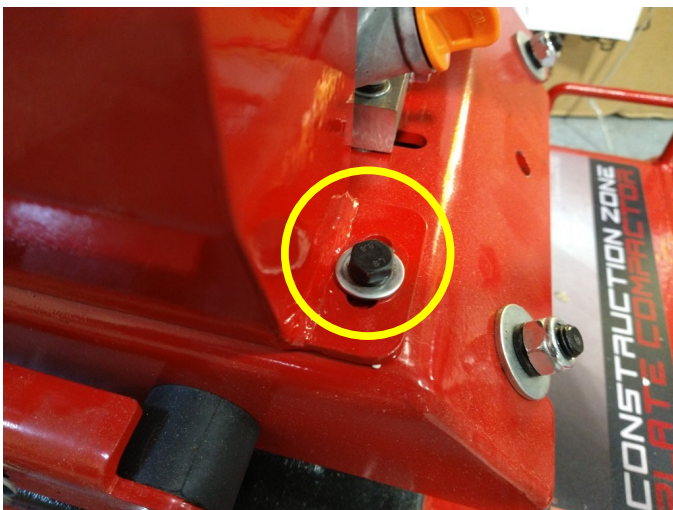
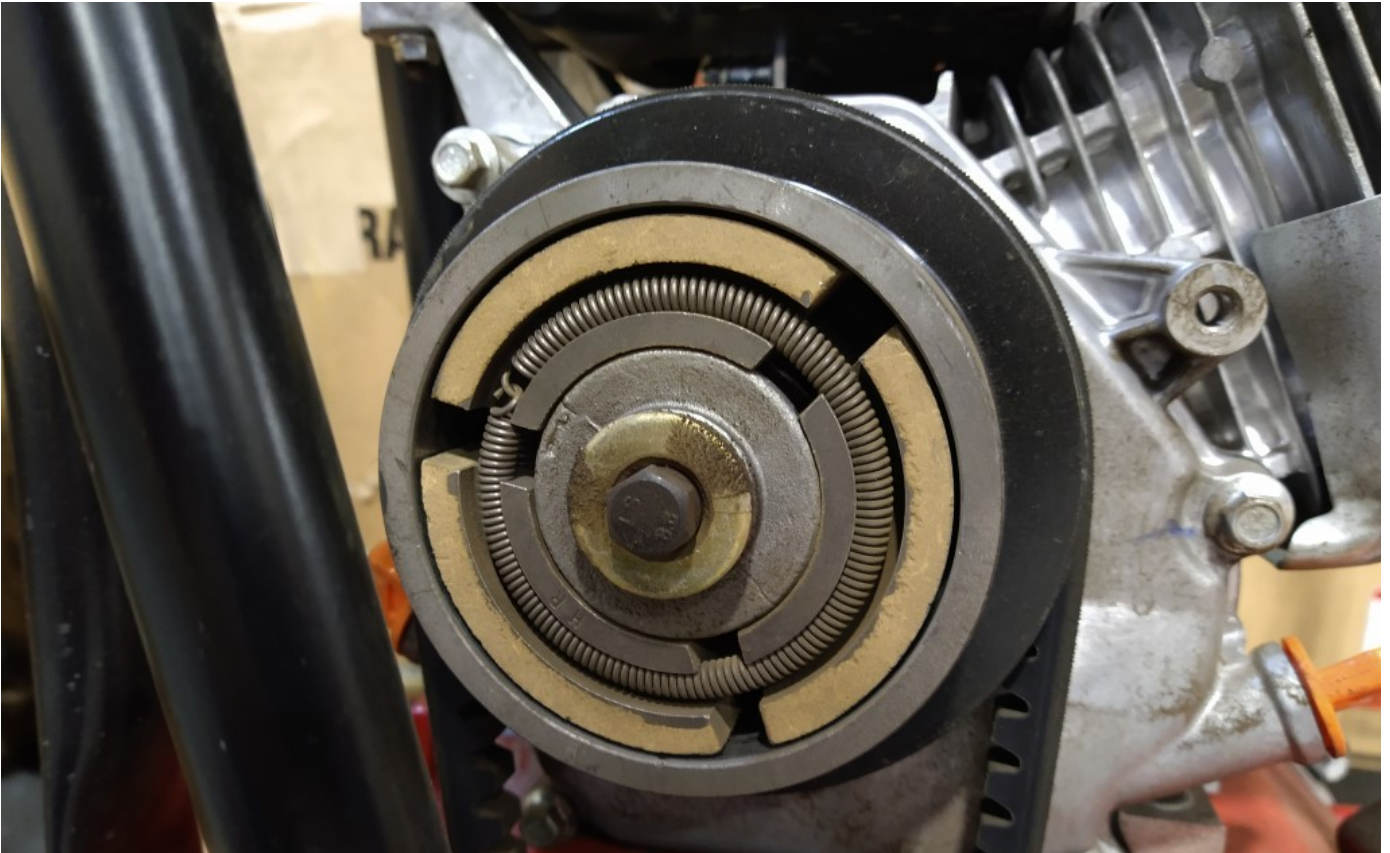


Fig. 1: Mounting bolt 1.



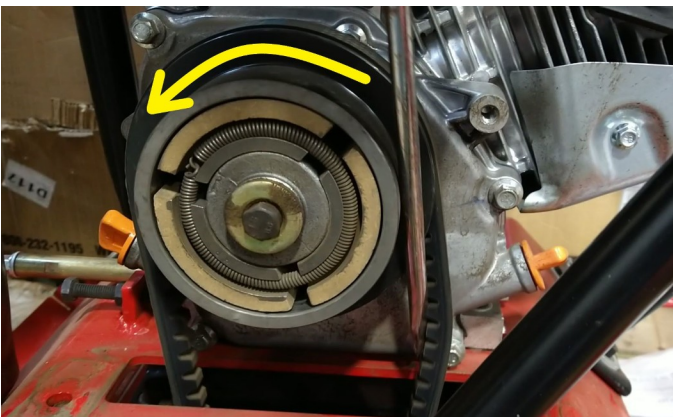
Fig. 2: Mounting bolt 2.

3. Remove the belt cover. The clutch and belt are now exposed (Fig. 3).

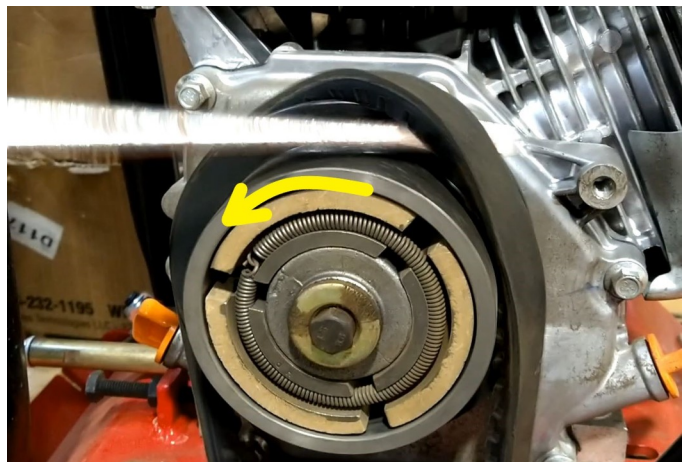


*Fig. 3: Clutch and belt.*

4. With the screwdriver shaft positioned on the outside of the clutch, position the tip under the belt, and lever the belt off the clutch while turning the clutch counterclockwise (Figs. 4 & 5).



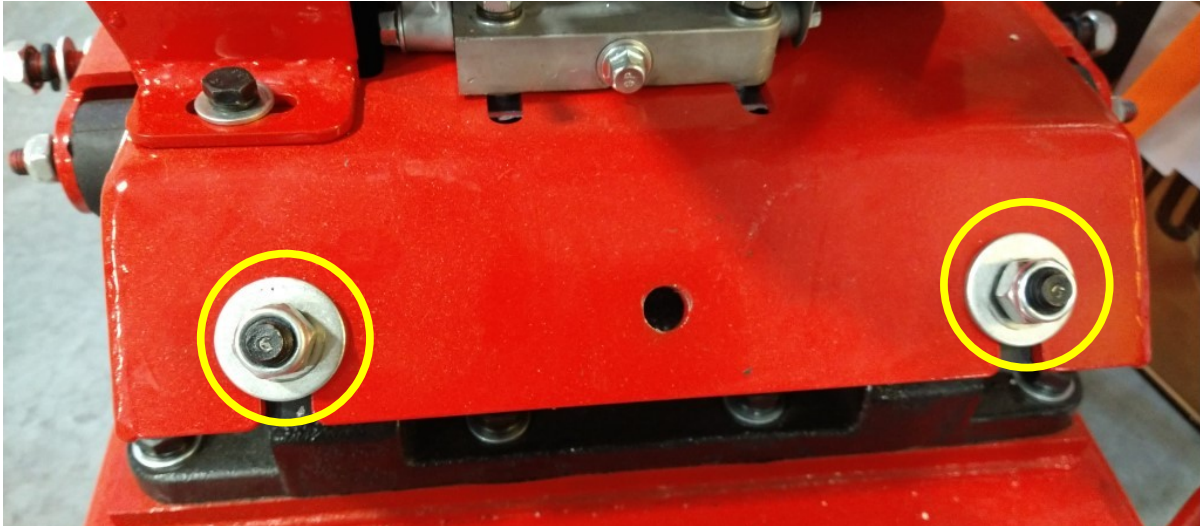
*Fig. 4: Removing the belt (1).*



*Fig. 5: Removing the belt (2).*

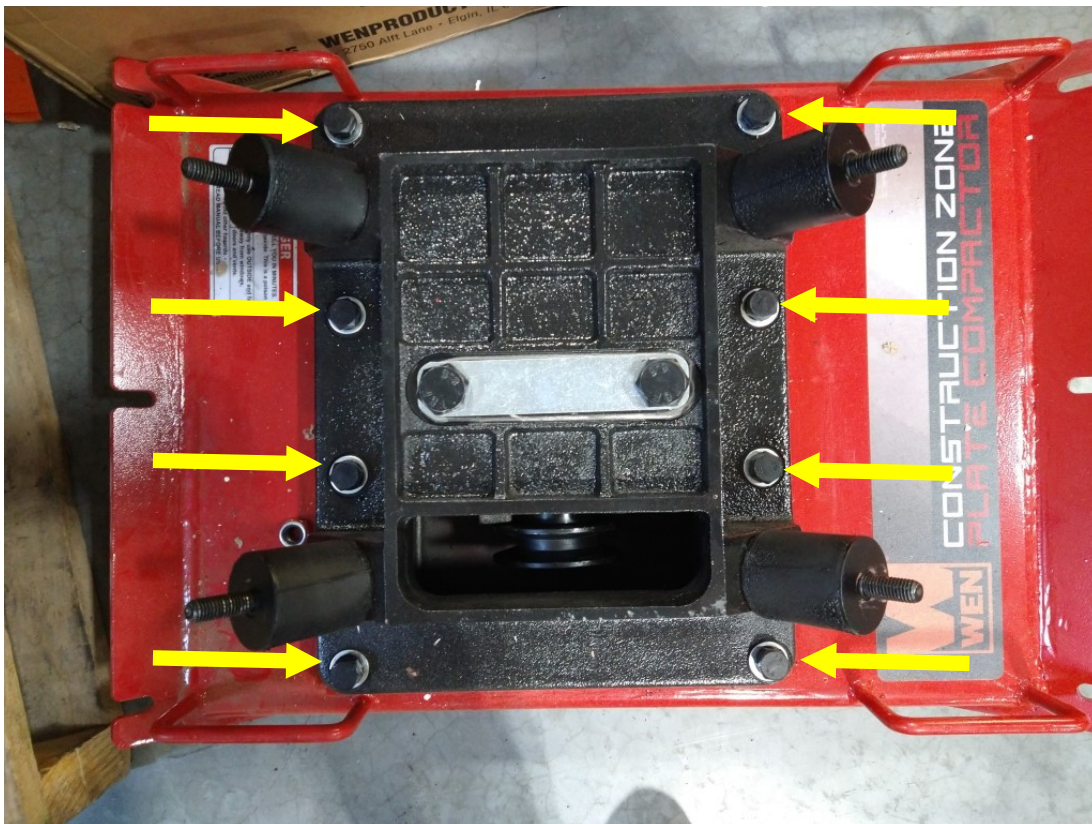


5. The belt can now be removed from the lower, vibrating assembly pulley (within the plate).
6. Remove the 4 nuts and washers from both sides of the engine support plate (Fig. 6).



*Fig. 6: Remove these nuts and washers (2 each side).*

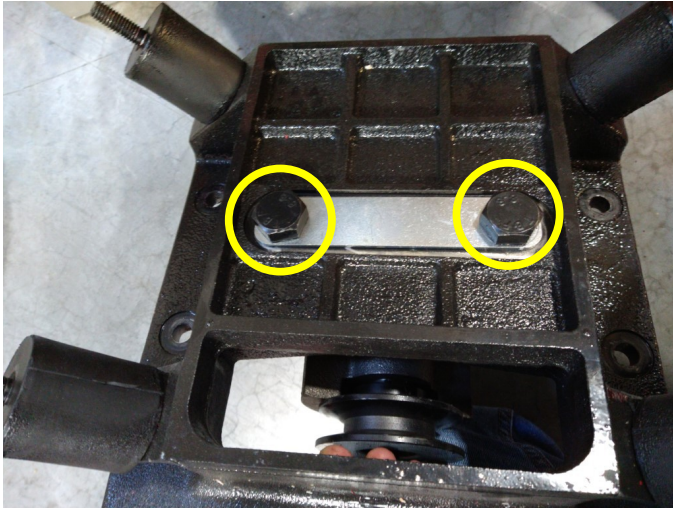
7. Gently lift the handles, engine assembly, and support plate off the shock absorbers, and carefully set the assembly to the side.
8. Remove the 8 mounting bolts from the exciter seat (Fig. 7), then remove the exciter seat and vibrating assembly from the bottom plate. You may need an impact wrench or breaker bar to remove the bolts.



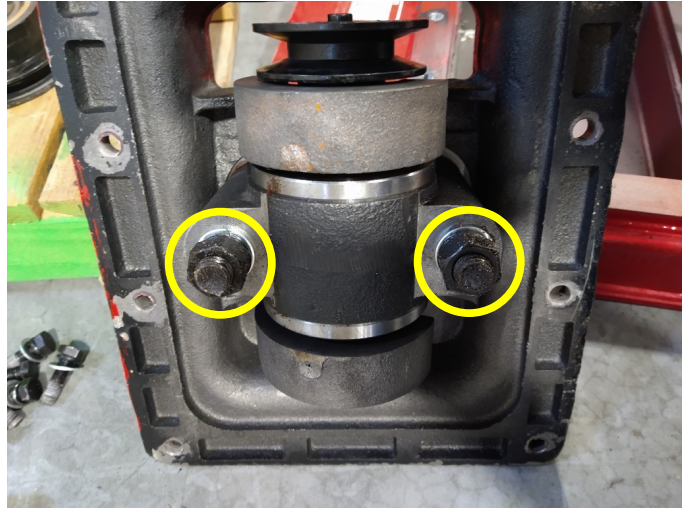
*Fig. 7: Remove the 8 mounting bolts, then gently remove the exciter seat and vibrating assembly from the bottom plate.*



9. Use the 27mm socket and adjustable or combination wrench to remove the two mounting bolts and nuts from the vibrating assembly (Figs. 8 & 9). You may need a breaker bar or impact wrench to remove the nuts and bolts.

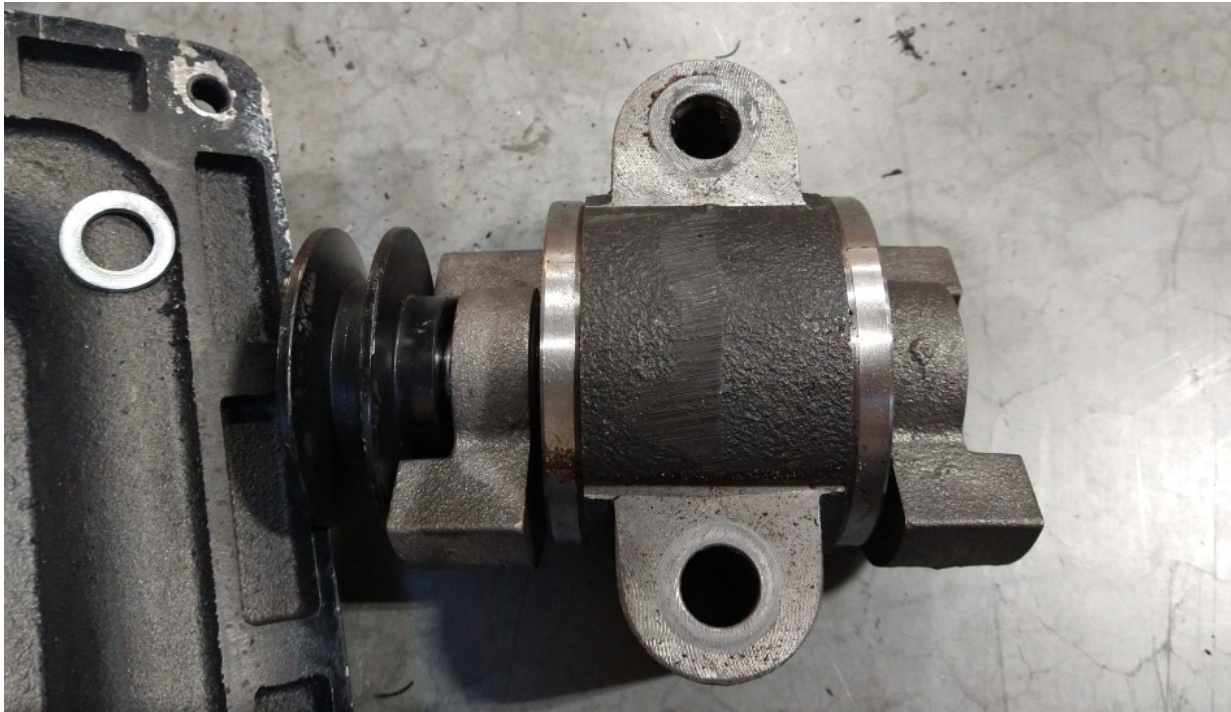


*Fig. 8: Remove these bolts (top of assembly).*



*Fig. 9: Remove these nuts (bottom of assembly).*

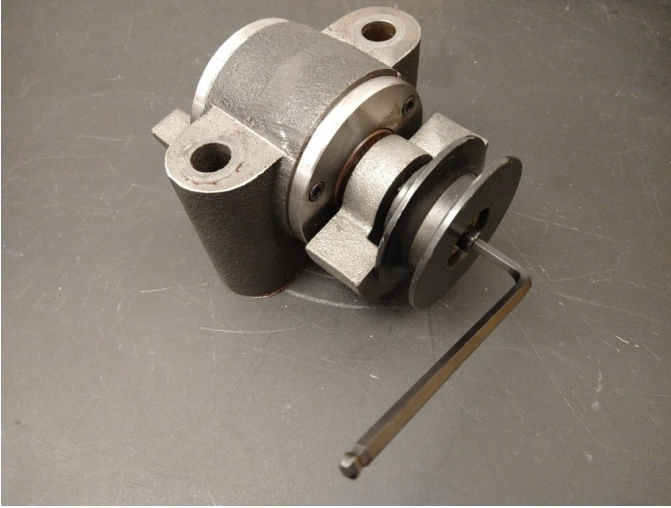
10. Remove the old vibrating assembly from the exciter seat (Fig. 10).



*Fig. 10: Vibrating assembly removed.*

## GREASING THE VIBRATING ASSEMBLY

11. Use the 6mm hex wrench to remove the socket-head cap screw and washers from the right side of the vibrating assembly (Figs. 11, 12). It's a standard right-hand threaded screw (left-loosey).

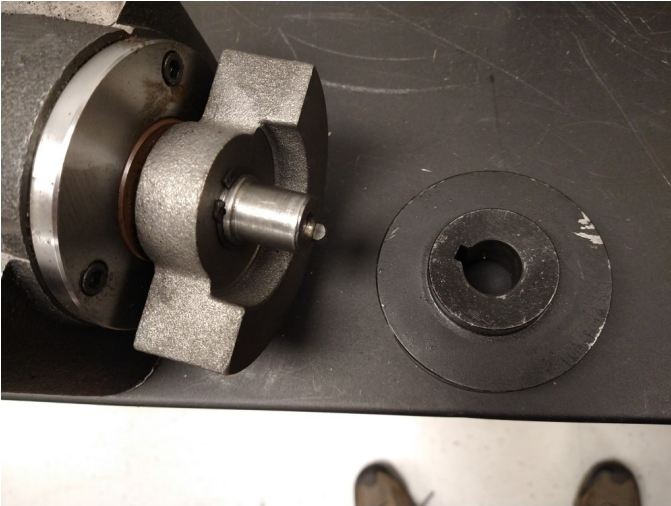


*Fig. 11: Use a 6mm hex wrench to remove this screw.*



*Fig. 12: Screw and washer removed.*

12. Slide the pulley off the assembly, as well as the shaft key (Figs. 13, 14).



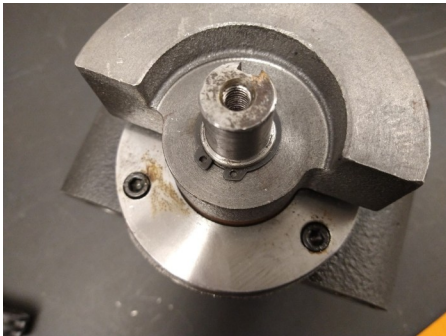
*Fig. 13: Pulley removed.*



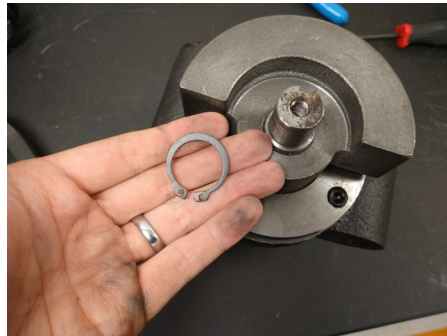
*Fig. 14: Shaft key removed.*

13. Remove the retaining ring and eccentric block (Figs. 15 – 17).





*Fig. 15: Retaining ring.*

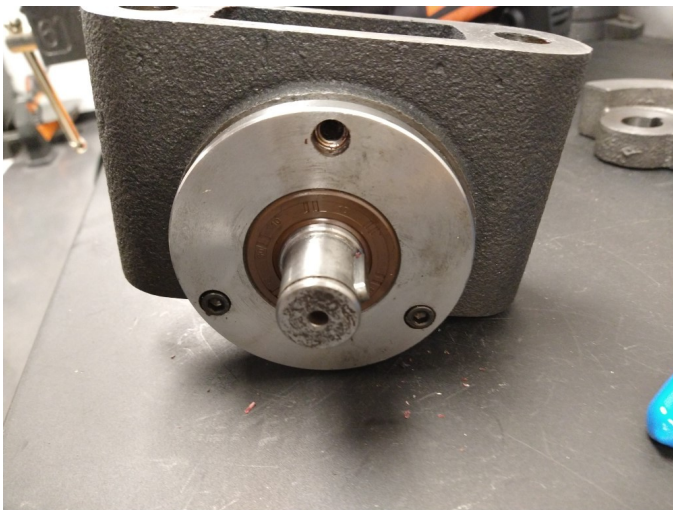


*Fig. 16: Retaining ring removed.*



*Fig. 17: Eccentric block removed.*

14. Use the 5mm hex wrench to remove the 3 socket-head cap screws around the bearing cover (Fig. 18 – 19). They are standard right-hand threaded screws (lefty-loosey)



*Fig. 18: Remove 3 screws from bearing cover.*



*Fig. 19: Screw removed.*

15. Remove the bearing cover and oil seal (brown seal shown around the shaft in Fig. 18 above) from the main body. You may need to clamp the main body to the table to do this. It is easiest to gently twist the cover and seal off the shaft; you can also **gently** use a flat-head screwdriver to help loosen it from the body. Be careful not to damage the bearing cover. Once the bearing cover is removed (Fig. 20), the bearing is exposed (Fig. 21).

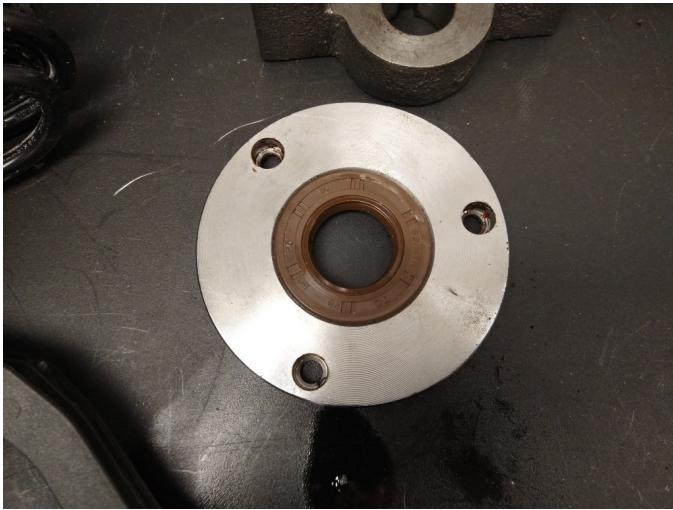


Fig. 20: Bearing cover removed.

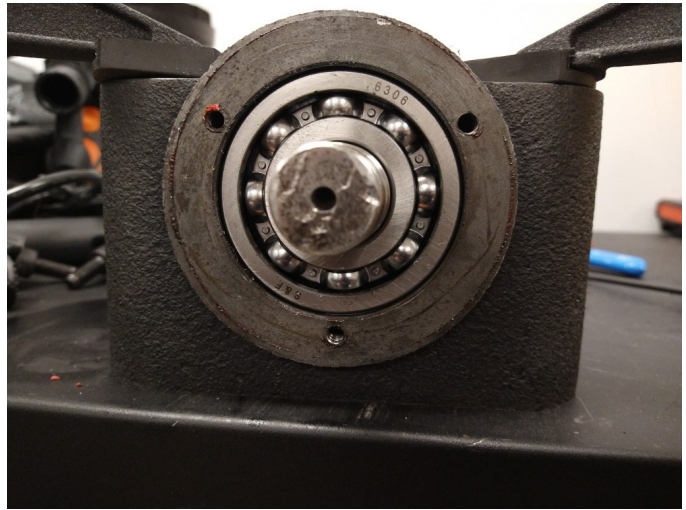


Fig. 21: Bearing exposed.

16. Apply approximately 60 – 70 grams of high-temperature grease to the bearing. Pack it in tightly.
17. Replace the bearing cover and oil seal. Apply some reversible anaerobic threadlocker (e.g. blue Loctite ®) to the screw threads, then tighten them in a circular pattern. Use the torque wrench to tighten the screws to **8.1 ft-lbs (11 Nm)**.
18. On the other side of the assembly, remove the retaining ring, eccentric block, and bearing cover and oil seal (basically, repeat steps 13 – 15). Apply approximately 60 – 70 grams of high-temperature grease to the bearing. Pack it in tightly.
19. Replace the bearing cover and oil seal. Apply some reversible anaerobic threadlocker (e.g. blue Loctite ®) to the screw threads, then tighten them in a circular pattern. Use the torque wrench to tighten the screws to **8.1 ft-lbs (11 Nm)**.
20. Reassemble the eccentric blocks and retaining rings on both sides.
21. Replace the pulley and shaft key (step 12).
22. Apply some reversible anaerobic threadlocker (e.g. blue Loctite ®) to the pulley mounting screw threads, and use the torque wrench to tighten the pulley mounting screw and washer (step 11) to **19.2 ft-lbs (26 Nm)**.
23. The vibrating assembly is now fully greased and ready to be reassembled onto the plate compactor.

## **REASSEMBLY**

24. Position the vibrating assembly on the exciter seat. When reinstalling the mounting nuts and bolts, apply some reversible anaerobic threadlocker (e.g. blue Loctite ®) to the bolt threads, and use the torque wrench to tighten the nuts to **147.5 ft-lbs (200 Nm)**.
25. Reinstall the exciter seat and vibrating assembly on the bottom plate. When reinstalling the mounting bolts, apply some threadlocker to the bolt threads, and use the torque wrench to tighten the nuts to **60.5 ft-lbs (82 Nm)**.
26. Reposition the engine assembly and support plate on the shock absorbers. Thread the belt through the slot in the support plate. Tip the engine assembly up and install the belt on the clutch pulley (see Fig. 4). Tip the assembly down and use a socket or wrench to tighten the lock nuts removed in step 6.
  1. TIP: if you're having trouble using this technique, use the screwdriver technique (step 4.) to work the belt back onto the pulley.
27. Replace the belt cover and mounting bolts. When reinstalling the mounting bolts, apply some threadlocker to the bolt threads, and use the torque wrench to tighten the bolts to **20.6 ft-lbs (28 Nm)**.
28. Reinstall the handles and all mounting nuts and bolts. Use a socket or wrench to tighten them.
29. Make sure all fasteners are fully tightened. Start your plate compactor according to the instructions in your manual.

## **QUESTIONS? PROBLEMS?**

Contact WEN Customer Service at 1-847-429-9263, M-F, 8-5 CST, or email [techsupport@wenproducts.com](mailto:techsupport@wenproducts.com)