



## OSC SANDER GEAR CHANGE

### Tools Needed

- ♦ Vise
- ♦ Medium Slot Screwdriver
- ♦ 3/4" Socket w/Ratchet
- ♦ Large Slot Screwdriver
- ♦ Soft Malle
- ♦ Adjustable Wrench

### SAFETY

#### WARNING

Before performing the following gear change make sure that you turn off and unplug your Mark V.

#### NOTE

Refer to your parts list in your instruction booklet for part number reference.

### Gear Change Instructions

#### **To Remove Gear**

1. Remove the Oscillating Sander from your Mark V.
2. Remove bracket assembly from the Oscillating Sander gear box.
3. Loosen the button head screw (5) from the upper crank handle asm. and remove the assembly from the drive shaft.
4. Mount the gearbox in a vise with the gear cover facing up.

#### NOTE

Wrap a towel around the gearbox housing to protect it from the vise grips.

5. Loosen the setscrew holding the coupling on to the coupling shaft and remove coupling. Loosen the setscrew holding the coupling adapter and remove the adapter from the shaft.
6. Using an appropriate screwdriver remove the four screws from the gearbox cover and remove cover.

#### NOTE

You should now see the delrin (white) gear and the coupling (steel) shaft.

7. Adjust adjustable wrench to fit the flat on the end of the coupling shaft. Use a 3/4" socket w/ratchet to remove the nut on the opposite end of the coupling shaft.
8. Once the nut has been removed, use a soft mallet and a center punch to tap the coupling shaft free from its housing.
9. Use a large slot screwdriver, jam the gear by wedging the screwdriver between the teeth and the edge of the bearing housing. Loosen the nut on the end of the drive shaft (located on top of the delrin gear).
10. To remove gear go through the bearing hole with a screwdriver. Place the screwdriver under the face of the gear and loosen, then place the screwdriver under the hub of the gear and pop of the gear from the end of the shaft.

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### ***To Replace Gear***

11. Be sure that the key is all the way in on the key way. Align the key on the drive shaft with the keyway in the gear (hub down) and slide gear onto shaft.
12. Install nut on gear with flat side of nut against the gear.
13. Reverse removal steps to reinstall parts to the gearbox.

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### ***Customer Services***

#### ***How to Order Parts***

To order replacement parts, first consult the Parts List. Then write or call for current price information.

#### ***How to Return Parts***

Should you need to return the equipment, call Customer Services for packing and shipping information.

#### ***Customer Services***

**Where to Write** - Send inquiries to:

Shopsmith, Inc.  
Customer Services  
6530 Poe Avenue  
Dayton, Ohio 45414

**Where to Phone:** Shopsmith maintains toll-free telephone numbers during normal business hours.

**For service call:**

1-800-762-7555 (Continental U.S., Hawaii, Alaska, Puerto Rico and U.S. Virgin Islands)

**To place an order call:**

1-800-543-7586 (Continental U.S., Hawaii, Alaska, Puerto Rico and U.S. Virgin Islands)

When you write or call, tell us your Customer Number . (Your customer number appears on the invoice.) Please write the numbers in the space provided here.

Customer No. \_\_\_\_\_



Shopsmith Inc.

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