SERVICE PROCEDURE

Steps to Replace Anti-Backdrive Mechanism JSS

Applicable Model(s)

Jobsite Saw (JSS).

Tools Needed

- 5mm hex wrench
- 13mm combo wrench
- Needle nose pliers
- 3mm punch
- Mallet and soft blow hammer
- Flat head driver

Part(s) or Service Kit(s) Needed

- JSS-170 Back-drive assembly

Related Links

- JSS120A60 owner's manual
- JSS Parts List

PROCEDURE SUMMARY

The JSS back-drive can fail causing the saw to lock or freeze up at the elevation handle. A failed anti-backdrive may necessitate the replacement of the entire mechanism.

SAFETY

WARNING: Disconnect the plug from the power source from the tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.

WARNING: Wear gloves when handling the saw blade.

WARNING: When servicing your tool, use only replacement parts from SawStop.

WARNING: Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

WARNING: Read and understand the instruction manual and all safety warnings that came with your tool before attempting to maintain or operate the tool. Failure to follow instructions or heed warnings may result in electric shock, fire, serious personal injury or property damage. Save these instructions and refer to them whenever necessary.

SERVICE PROCEDURE

DISASSEMBLY

Removing Saw body From Mobile Cart and Cabinet Base

1. At the front of the saw, ensure that the blade is lowered all the way down and that the tilt handwheel is all the way to 45 degrees.
2. Remove fence from storage and set aside.
3. Using the 5mm hex wrench and the 13mm combo wrench, loosen the four bolts that hold the cart to the bottom of the base, set bolts, washer, and nuts aside. (Image 1)

Image 1

4. Once released from base, flip the saw upside down. A second person is best for helping flip the saw upside down.
5. The gray base cover has 15 Phillips screws all around the edges. Starting with the screw to the left of the counter spring indentation at the back and working counterclockwise use a #2 Phillips screwdriver to remove them. When the last screw is removed, the bottom will spring upward a bit. (Image 2)

Image 2

REPLACE ANTI-BACKDRIVE

6. Using the handwheel, line up the shaft so that the 3mm pin can be driven out. (Image 3)

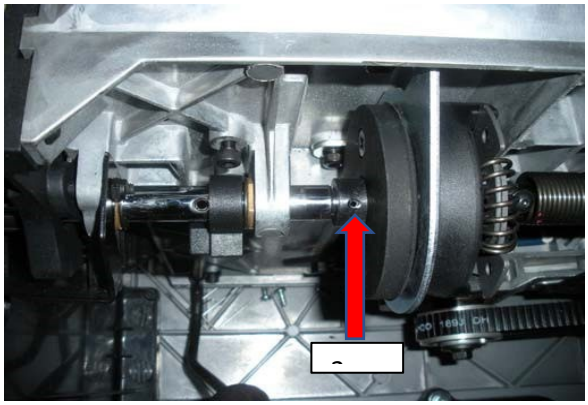

Image 3

7. With the needle nose pliers remove the E-ring on the lefthand side. You may need to also use a flathead drive to remove the ring. (Image 4)

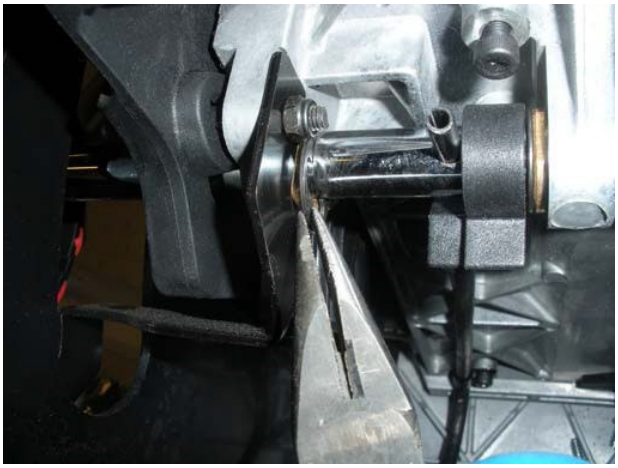

Image 4

8. Using the 3mm punch and mallet, drive out the 3mm spring pin. (Image 5)

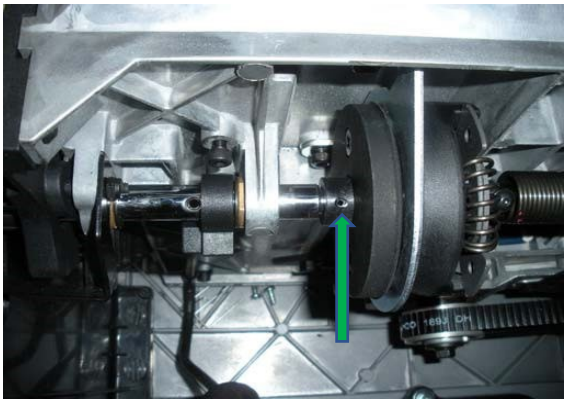

Image 5

9. After the pin has been removed, separate the shaft from the attached backdrive. Image 6 shows the shaft attached and image 7 shows when it's pulled away. (Image 6 & Image 7)

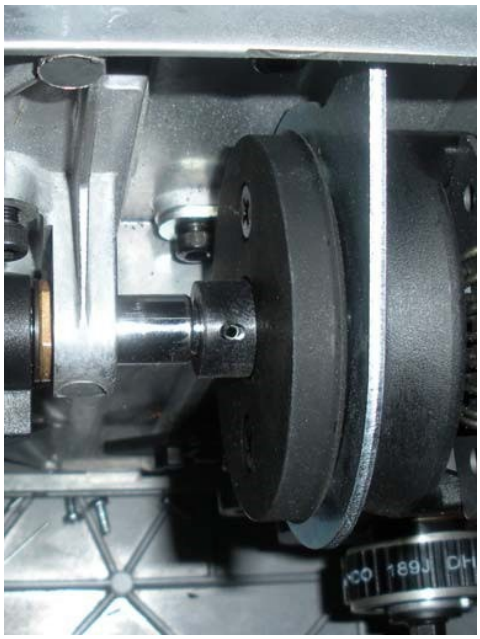

Image 6

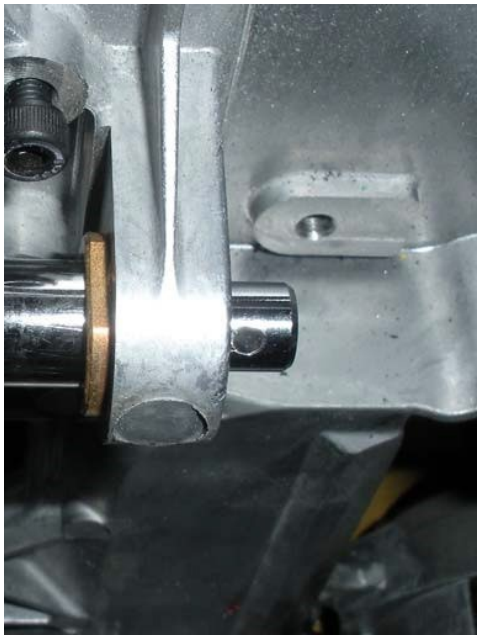

Image 7

10. Using the 5mm hex remove both cap screws that hold the backdrive in place. The back drive has one cap screw on the top and one at bottom as pictured. (Image 8 & Image 9)

Image 8

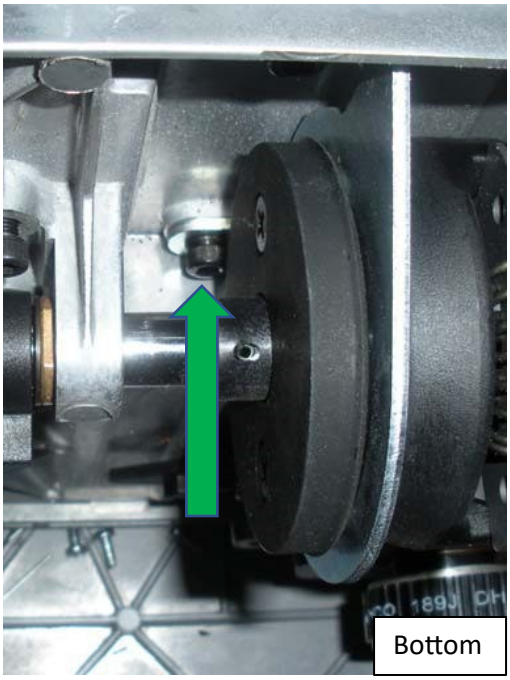

Image 9

11. After the cap screws have been removed, pull the backdrive out once in hand it should look like (Image 10)

Image 10

12. When installing the backdrive it may not be set in the right position, it will need to be adjusted. Using the pin punch, you can install it into the mechanism and adjust as needed. (Image 11)
13. Getting the lower tap in first, then the upper tab will work best. (Image 12)
14. You may also have to deflect the scissors with your thumb to get the upper tap engaged. (Image 13 & Image 14)

Image 11

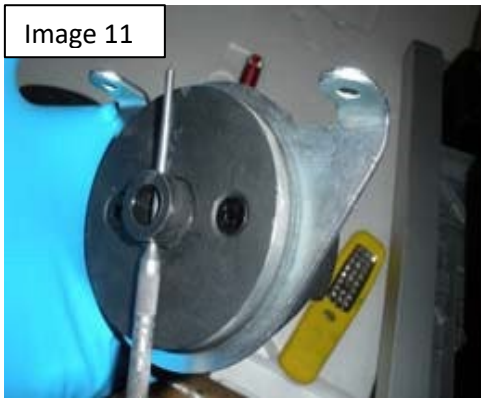

Image 12

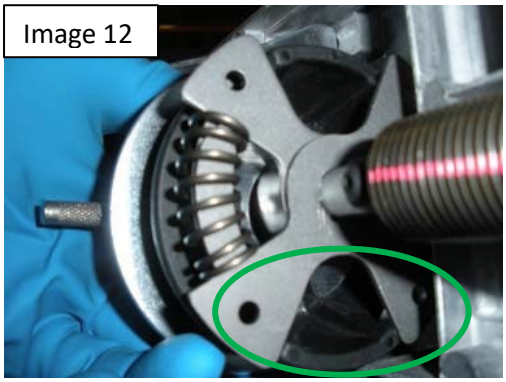

Image 13

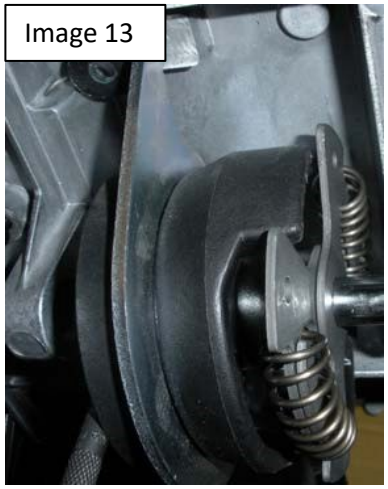

Image 14

15. Once the replacement anti-backdrive unit is engaged with the spring shaft, reinstall the 5mm socket head cap screws. Be careful not to cross-thread, the threads are aluminum, and you can ruin them and the whole elevation mechanism.
16. After the backdrive has been installed, reconnect the input shaft and put the 3mm pin back in. Slowly tap on it with the mallet. (Image 15)

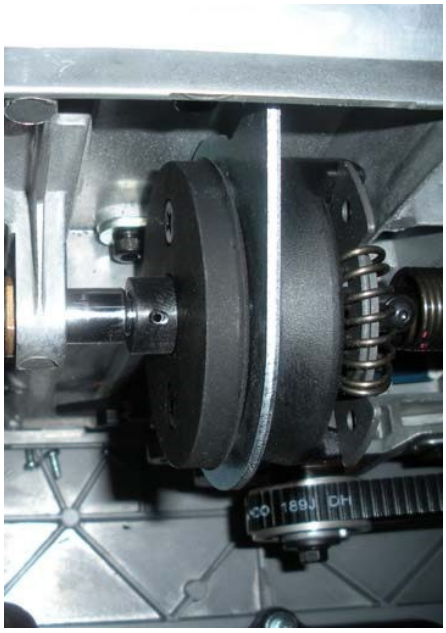

Image 15

17. Using the needle nose pliers reinstall the E-ring once this is completed the installation of the back drive is complete. (Image 16)

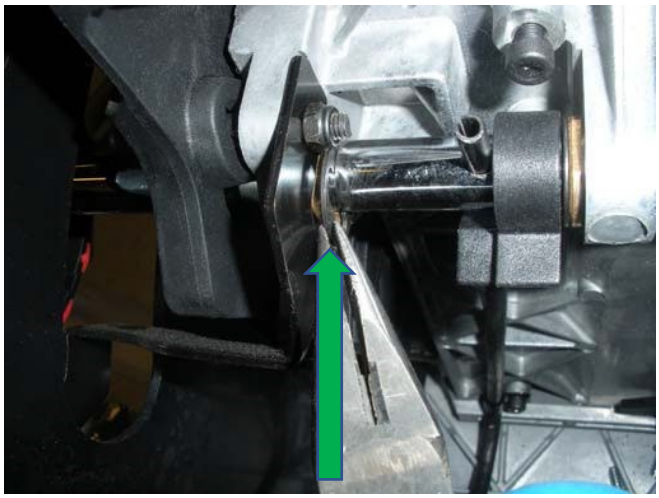

Image 16

REASSEMBLE YOUR SAW

18. Tilt the saw back to 90 degrees using the tilt handwheel. Above the motor is the counterbalance spring that must be in the up position leaning against the trunnion. (Image 17)

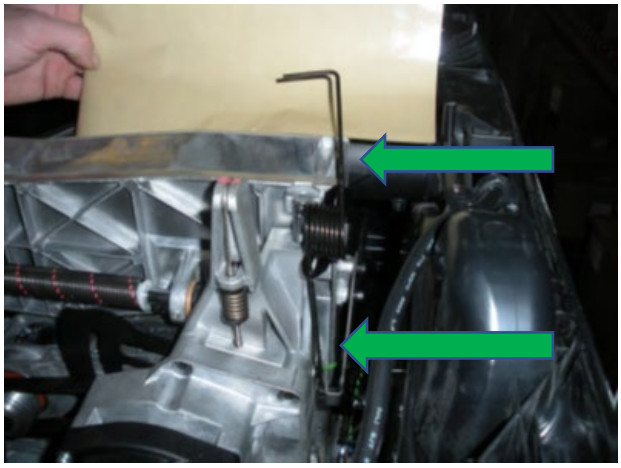

Image 17

19. There is a small groove on the bottom of the indentation that the top of the counterbalance spring must seat in. Hover the base over the saw and slowly lower it until the two match up. (Image 18 & image 19)

Image 18

Image 19

20. Reinstall the 15 screws starting with the one that is left of the indentation using a #2 Phillips screwdriver. If using a powered screwdriver, set the torque too low to avoid stripping the screws. (Image 20)

Image 20

21. Place the saw back on the cart and reinstall the four 5mm bolts and nuts using the 5mm hex wrench and the 13mm combo wrench. (Image 21)

Image 21

FINAL ADJUSTMENTS

Once the saw is back in the upright position verify that the saw elevation is smooth and raises with one full turn clockwise. If all is set, install a blade and connect to power to verify that the saw is working.