



INSTRUCTION BULLETIN

No. 340525
Machine: CENTURION™
Published: 4-02
Rev. 00

NOTE: DO NOT DISCARD the Parts List from the Instruction Bulletin. Place the Parts List in the appropriate place in your machine manual for future reference. Retaining the Parts List will make it easier to reorder individual parts and will save you the cost of ordering an entire kit.

NOTE: Numbers in parenthesis () are reference numbers for parts listed in Bill of Materials.

Installation instructions for **kit number 396035**

DESCRIPTION:

This kit contains the parts needed to install a strip broom on the model CENTURION™ sweeper.

Please follow step-by-step instructions.

SPECIAL TOOLS / CONSIDERATIONS:

(Estimated time to complete: 1 hour)

PREPARATION:

FOR SAFETY: Before leaving or servicing machine, stop on level surface and set parking brake. Then turn off machine and remove key.

1. Disconnect battery cables from machine.



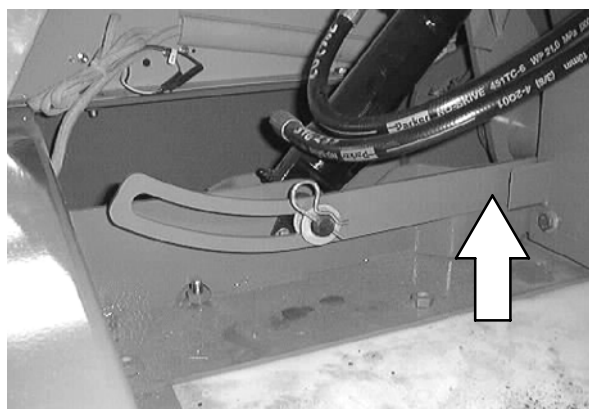
WARNING: Always disconnect battery cables from machine before working on electrical components.

INSTALLATION:

1. Park the machine on level ground and set the machine parking brake.
2. Open the rear machine door. Locate the brush bar next the hydraulic cylinder on the left hand side of the machine.

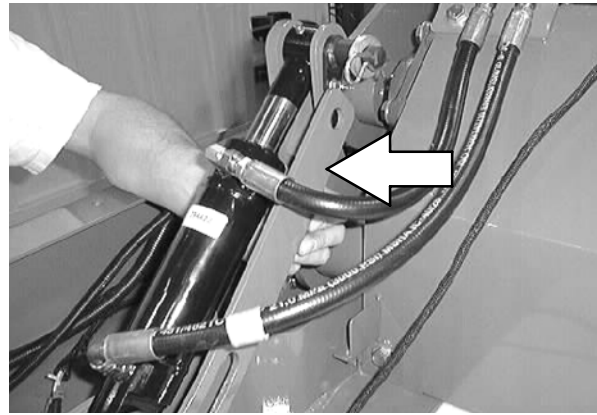


WARNING: Brush linkage pinch points. Stay clear when linkage is moving.

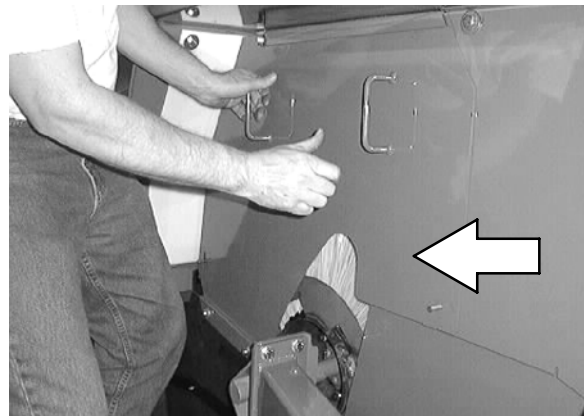


3. Secure the brush bar to the end of the cylinder with the washer and cotter pin. Press the sweep switch and lower the main broom until the cylinder cannot extend any further.
4. Stop the engine with the sweep switch still in the on position.

FOR SAFETY: Before leaving or servicing machine, stop on level surface, set parking brake, turn off machine and remove key.

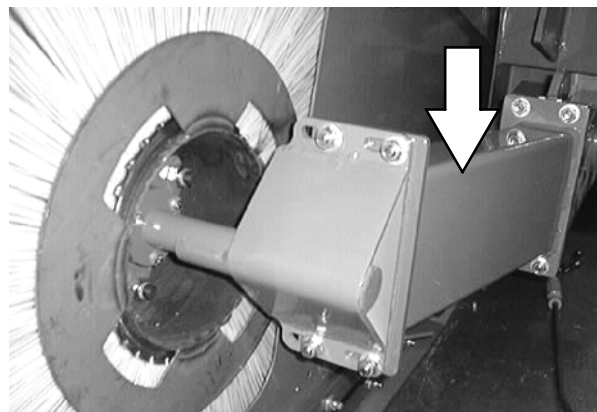


5. Remove the cover panel from the right hand side of the machine. Set the nuts and washers aside.

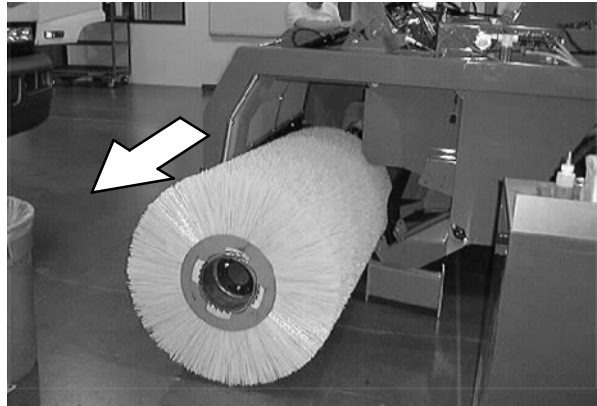


6. Disconnect and remove the rear section of the idler arm from the main brush and the lift arm. Disconnect and remove the drag shoe assembly from the right hand side of the truck.

NOTE: Note the location of the mounting fasteners before disassembly. The drag shoes should be reassembled in the same position on marked locations after the new broom has been installed.

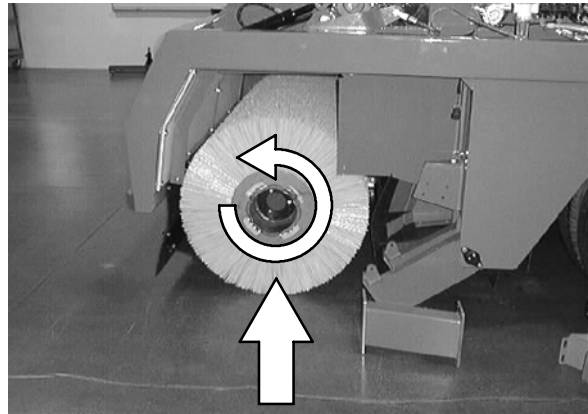


7. Remove the old brush from the machine.



8. Push the new strip broom into mounting position on the drive hub. Rotate the brush as it is pushed onto the drive hub, so the bristles will keep the brush up at the proper height.

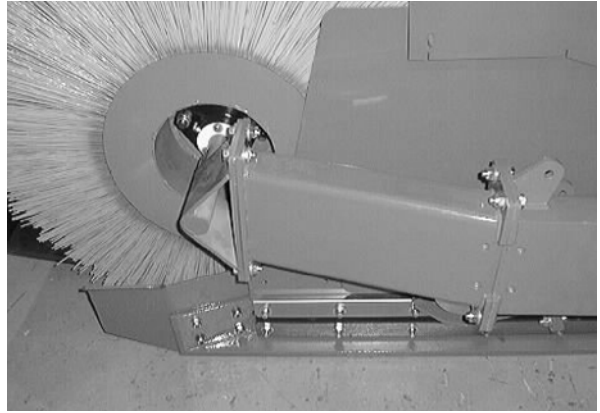
NOTE: Open the cardboard shipping container and lay it flat on the ground, to help slide the new broom into mounting position.



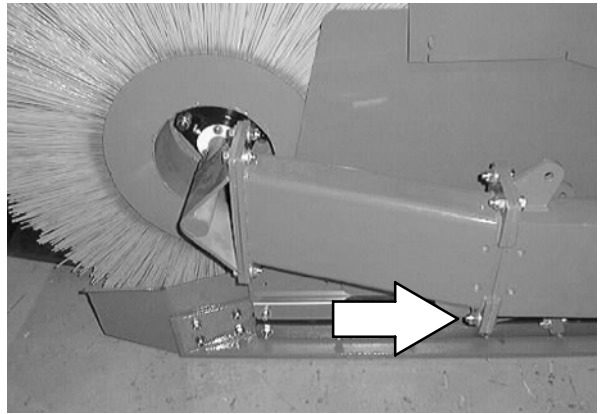
9. Reinstall the drag shoe assembly with set aside hardware. Align the notches chiseled into each flange. Check that flanges are square to each other, before tightening fixture.



10. Reinstall the brush idler arm with the set aside mounting hardware. Check that the brush idler arm shaft is in line with the broom before tightening hardware.



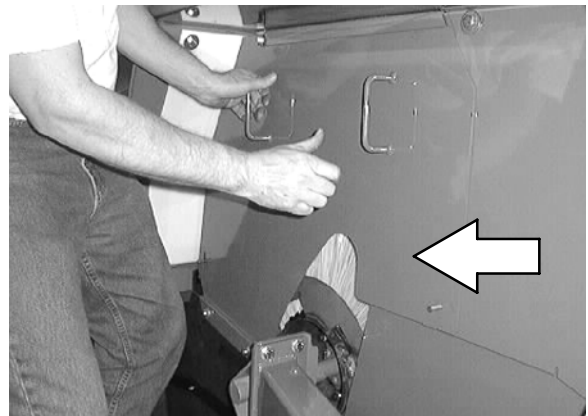
11. Tighten the lift arm mounting hardware to 70-84 Nm (50-60 ft lb).



12. Replace the right hand panel and secure with set aside nuts and washers. Tighten mounting hardware to 35-50 Nm (25-35 ft lb).

13. Start the machine. See the STARTING THE MACHINE section of the manual. Raise the main broom.

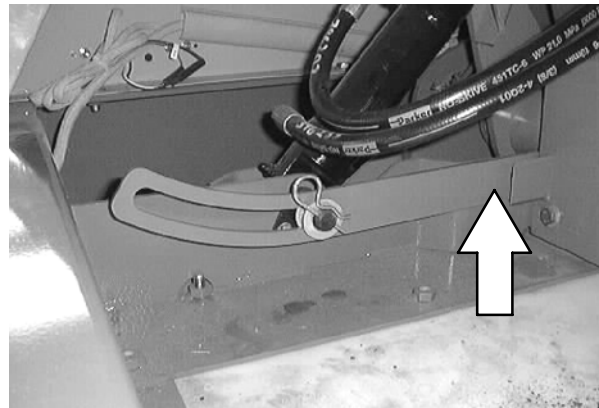
14. Raise the main broom.



15. Disconnect the brush bar from the hydraulic lift cylinder. Lower the brush bar down into storage position.

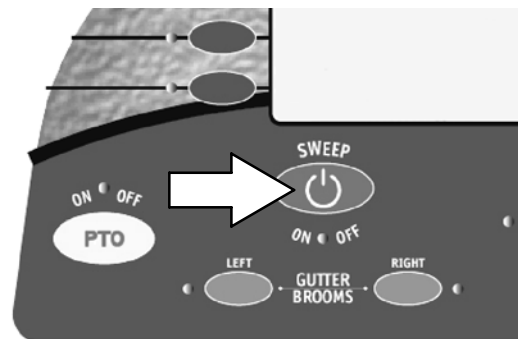
16. Close the rear door on the machine.

17. Check and adjust the main brush pattern if necessary.



TO CHECK AND ADJUST MAIN BRUSH PATTERN:

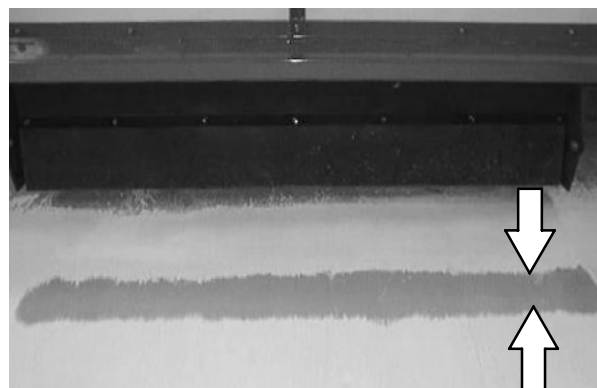
1. Park the machine on level ground and set the machine parking brake.
2. Press the *sweep switch* to lower and start the main brush. Allow the brush to rotate in one place for 2 minutes at the NORMAL main broom pressure setting.



3. Press the *sweep switch* again to raise and stop the main brush.
4. Drive the machine off the test area.
5. Observe the width of the brush pattern. The proper brush pattern should have parallel sides with no taper in the pattern.

NOTE: DO NOT ADJUST THE LIFT CABLES TO RAISE THE BRUSH. LOWER THE BRUSH ONLY.

6. If there is a taper in the pattern, adjust the lift cables to increase the width of the narrow end of the brush pattern. Check that cables have equal tension on both sides of the machine.
7. Check the brush pattern again if necessary. Secure the lift cable adjusting hardware.



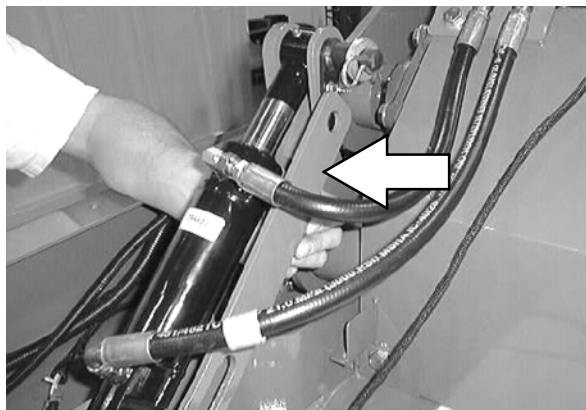
CHANGING BROOM STRIPS:

1. Park the machine on level ground and set the machine parking brake.
2. Open the rear machine door. Locate the brush bar next the hydraulic cylinder on the left hand side of the machine.

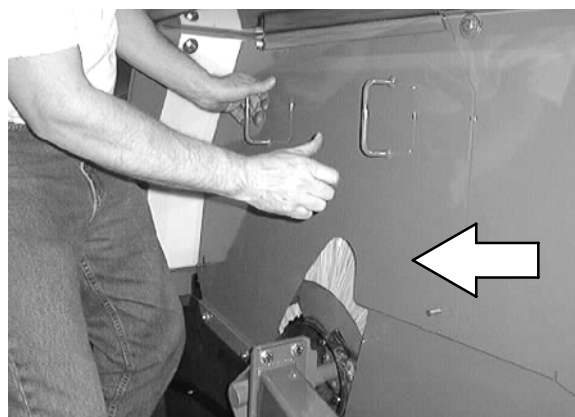
 **WARNING: Brush linkage pinch points.**
Stay clear when linkage is moving.

3. Secure the brush bar to the end of the cylinder with the washer and cotter pin. Press the sweep switch and lower the main broom until the cylinder cannot extend any further.
4. Stop the engine with the sweep switch still in the on position.

FOR SAFETY: Before leaving or servicing machine, stop on level surface, set parking brake, turn off machine and remove key.

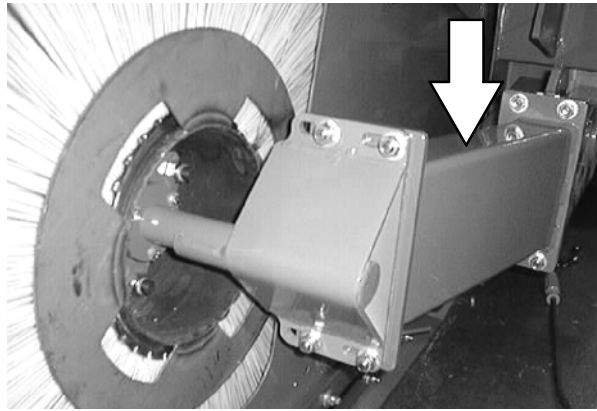


5. Remove the cover panel from the right hand side of the machine. Set the nuts and washers aside.

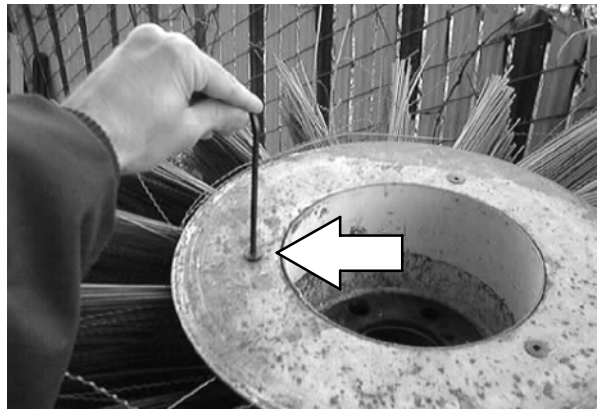


6. Disconnect and remove the rear section of the idler arm from the main brush and the lift arm. Disconnect and remove the drag shoe assembly from the right hand side of the truck.

NOTE: Note the location of the mounting fasteners before disassembly. The drag shoes should be reassembled in the same position on marked locations after the new broom has been installed.

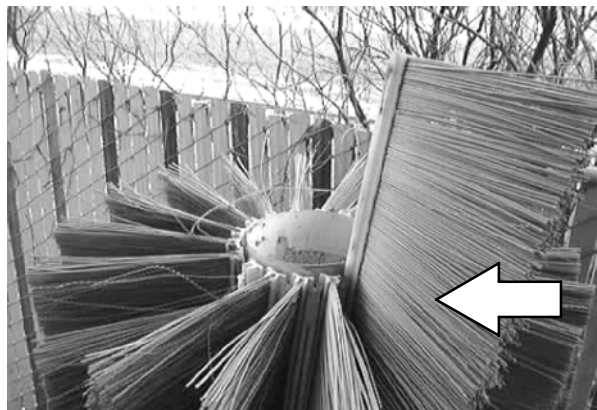


7. Remove and set aside the flange (3) from the end of the mandrel (2).



8. Replace individual broom strips (1), or arrange strips (1) for custom broom orientation.

9. Replace the flange (3) on the end of the mandrel (2).



10. Reinstall the strip broom in the machine. Check the broom for proper operation.

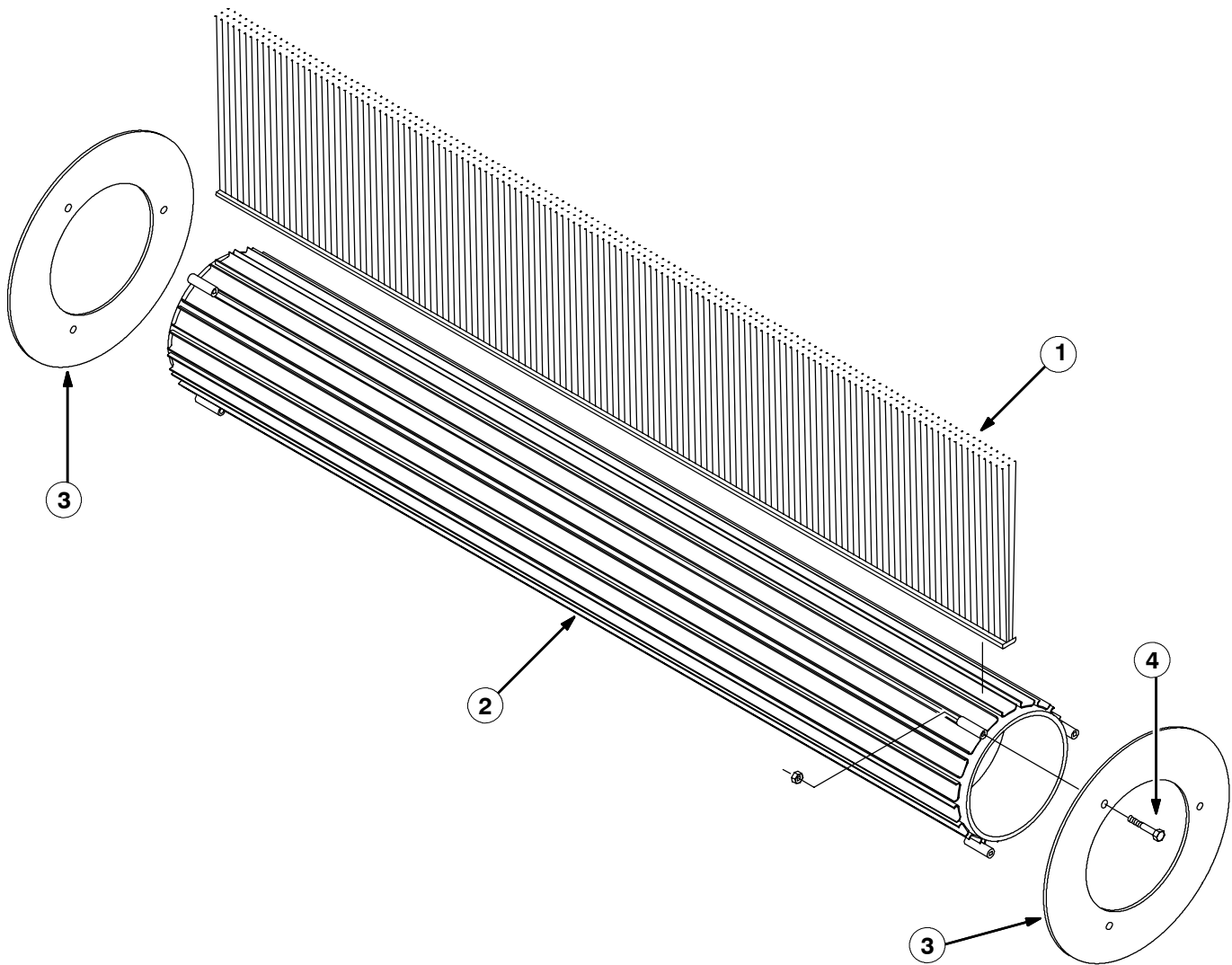


FIG. 1 - Strip Brush Replacement

BILL OF MATERIALS FOR STRIP BROOM KIT 396035

Ref.	TENNANT Part No.	Description	Qty.
1	395774	Brush set, strip	1
2	395775	Brush, strip, mandrel	1
3	395805	Flange, end, strip	2
4	395810	Screw, flt, 0.31-18 X 0.75, Ss	6

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