TENNANT INSTRUCTION BULLETIN

No. 340575
Machine: 5700, 7200
Published: 2-03
Rev. 01

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 377495**

DESCRIPTION:

This kit contains the parts needed to replace the standard cylindrical brush rubber drive belt with the new poly chain belt on the model 5700 and 7200 scrubbers.

Please follow step-by-step instructions.

SPECIAL TOOLS / CONSIDERATIONS: The Belt Tensions For The Rubber And Polychain Belts Are Different.

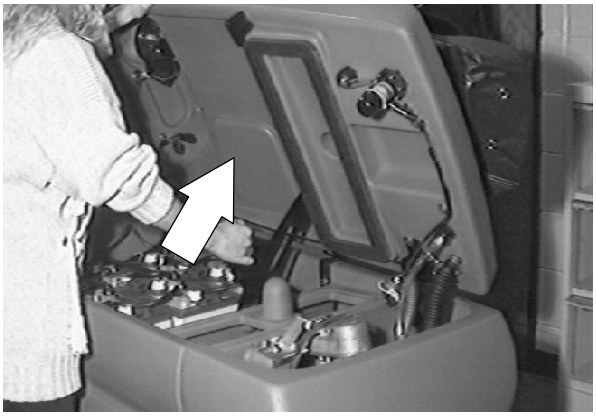
(Estimated time to complete: 1 hour)

5700 CYLINDRICAL BRUSH DRIVE BELTS

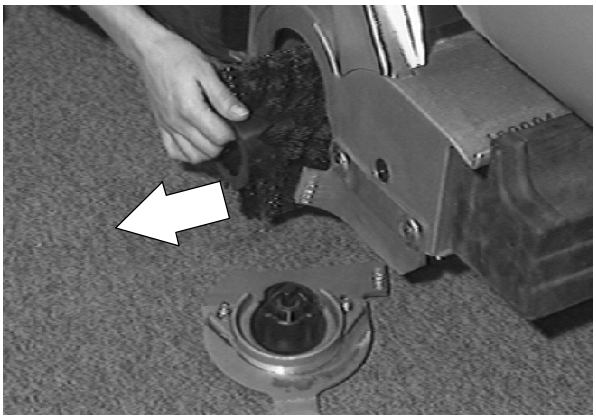
TO REPLACE BRUSH DRIVE BELTS

FOR SAFETY: Before Leaving Or Servicing Machine; Stop On Level Surface, Set Parking Brake, Turn Off Machine And Remove Key.

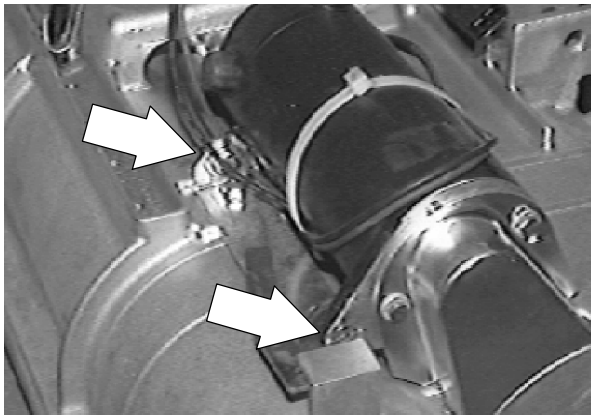
1. Raise the solution tank until the prop rod is engaged. Remove the four M8 hex screws holding the front cover to the machine. Remove the cover.



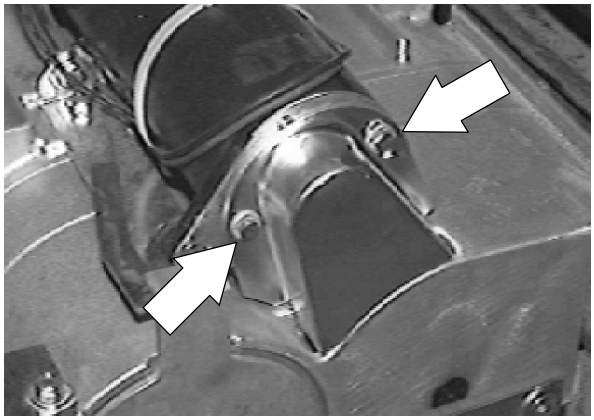
2. Remove the scrub brush from the motor that the belt needs to be changed.



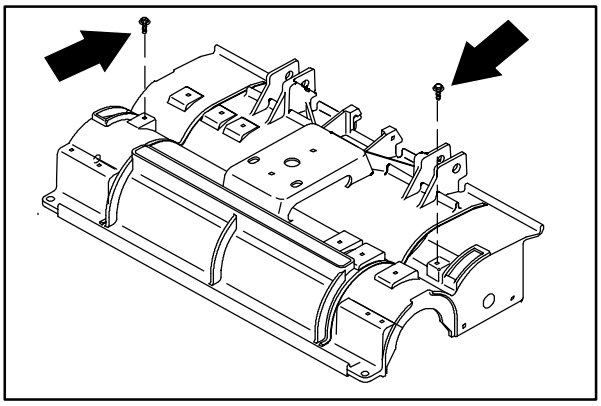
3. Loosen the front and rear pivot bolts on the brush motor.



4. Remove the two M6 hex screws holding the belt cover on the motor that the belt needs changing. *Remove the belt cover from the scrub head.*

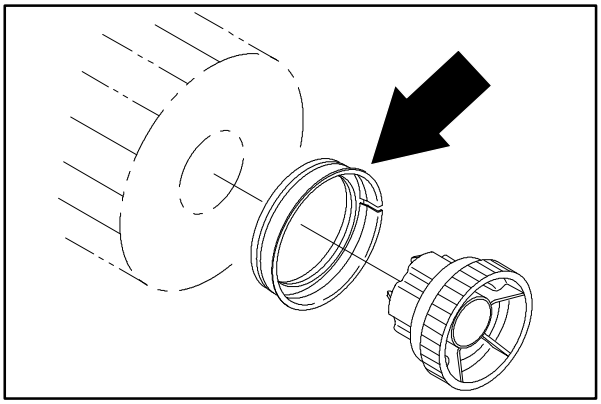


5. Loosen the M8 hex nut on the belt tension bolt under the motor. Turn the tension bolt down far enough to allow the belt to be slipped off the motor pulley. Push the drive belt down toward the lower pulley in the brush area.

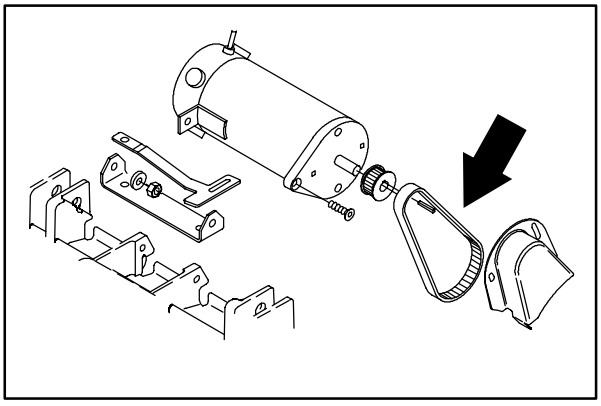


NOTE: Make sure the scrub head is in the raised position before attempting to remove the drive plug rubber seal.

6. Using a needle nose pliers, pull the rubber seal off the brush drive plug.

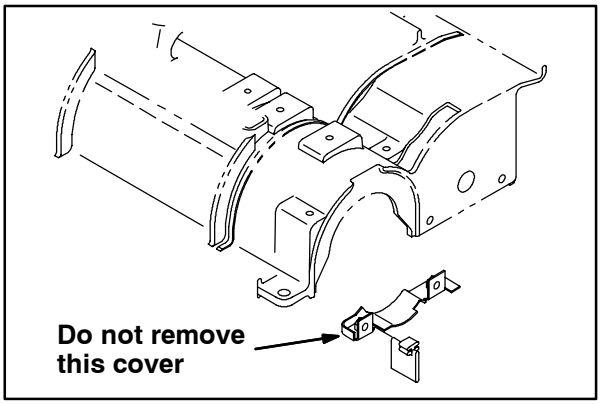


7. Pull the drive belt off the bottom drive pulley.



NOTE: It is a tight fit for the belt in the area of the lower belt cover and bottom pulley. Carefully work the belt past the lower cover, DO NOT remove the lower cover.

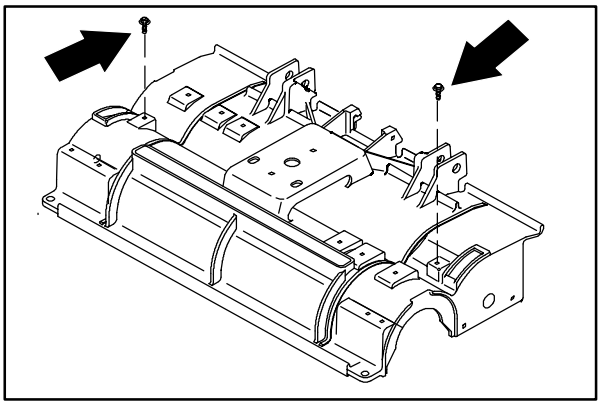
8. Slip the new drive belt past the lower belt cover and over the cogged pulley. Push the rest of the belt up to the drive motor and onto the drive pulley. Reinstall the rubber seal on the bottom drive pulley.



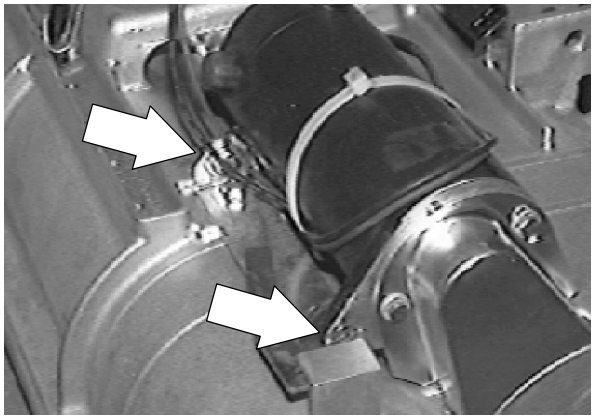
9. Using the M8 hex screw located under the brush motor, tension the **new** belt by applying 1.37 – 1.48 kg (3.01 – 3.26 lb) of force per belt at the middle of the span that is opposite the belt travel with a deflection of 0.10 inch.

   When re-using an **old** belt, measure and record the belt tension before removal, so that the belt can be reinstalled at the same tension.

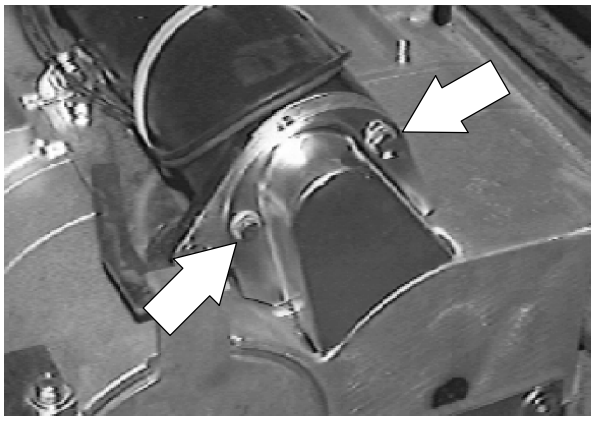
   If the old belt tension was not recorded, the recommended force per old belts is 1.03 – 1.14 kg (2.28 – 2.52 lb) with a deflection of 0.10 inch.



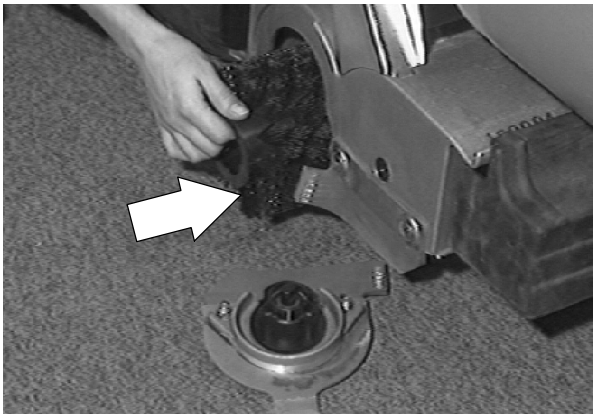
10. Tighten the two pivot bolts to 18 – 24 Nm (15 – 20 ft lb). Re-check the belt tension.



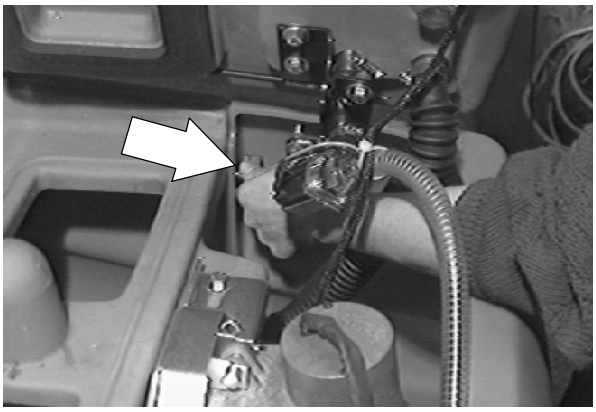
11. Reinstall the belt cover, two M6 hex screws, and washers. Tighten to 11 – 14 Nm (7 – 10 ft lb). Use a small amount of RTV on the flange of the belt cover to keep dust out.



12. Reinstall the scrub brush. See TO REPLACE A CYLINDRICAL SCRUB BRUSH instructions in this section.



13. Reinstall the front cover using the four M8 hex screws. Tighten to 18 – 24 Nm (15 – 20 ft lb).



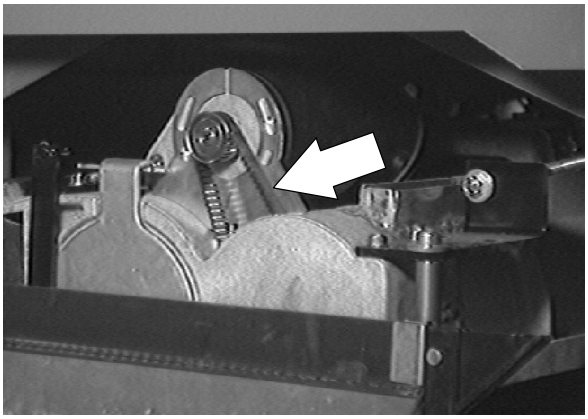
14. Lower the solution tank, operate the machine, check for proper operation.

7200 CYLINDRICAL BRUSH DRIVE BELTS

The two brush drive belts are located on the cylindrical brush scrub head. The belts drive the cylindrical brushes. Proper **new** belt tension is a 3 mm (0.1 in) deflection from a force of 1.37 – 1.48 kg (3.01 – 3.26 lb) at the belt midpoint.

When re–using an **old** belt, measure and record the belt tension before removal, so that the belt can be reinstalled at the same tension.

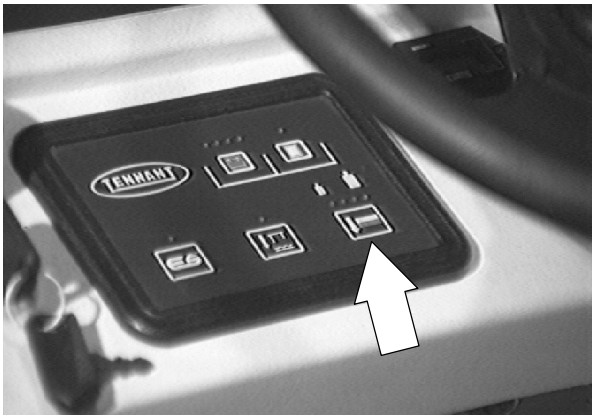
If the old belt tension was not recorded, the recommended force per old belts is 1.03 – 1.14 kg (2.28 – 2.52 lb) with a deflection of 0.10 inch.



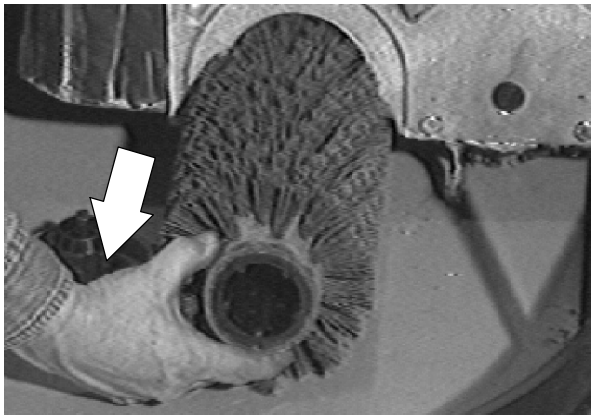
TO REPLACE BRUSH DRIVE BELT

1. Start the machine and lower the scrub head near the floor. Shut off the key.

   FOR SAFETY: Before Leaving Or Servicing Machine; Stop On Level Surface, Set Parking Brake.



2. Remove the scrub brushes. See TO REPLACE CYLINDRICAL SCRUB BRUSHES instructions.

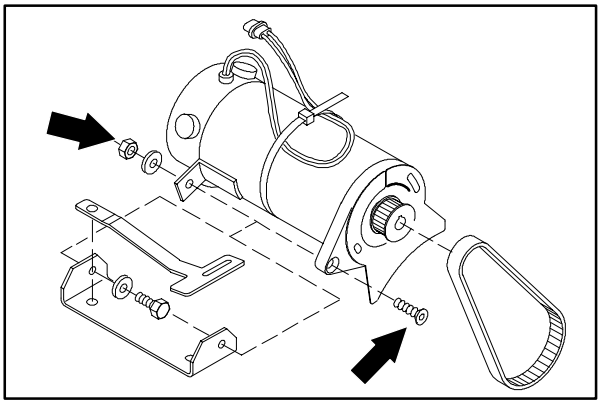


3. Remove the two screws holding the belt cover to the scrub brush motor. Remove the belt cover from the scrub head.

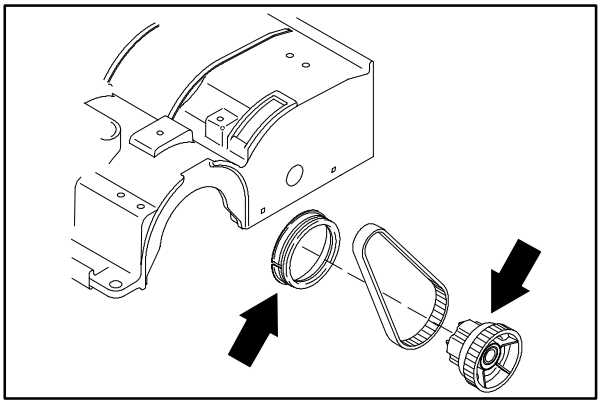
4. Loosen the two pivot bolts on the bottom of the brush motor.

5. Loosen the belt tension bolt under the brush motor. Turn the bolt down far enough to allow the belt to be slipped off the motor pulley. Push the drive belt down toward the lower brush drive plug.

NOTE: Make sure the scrub head is slightly off the floor before attempting to remove the drive plug rubber seal.

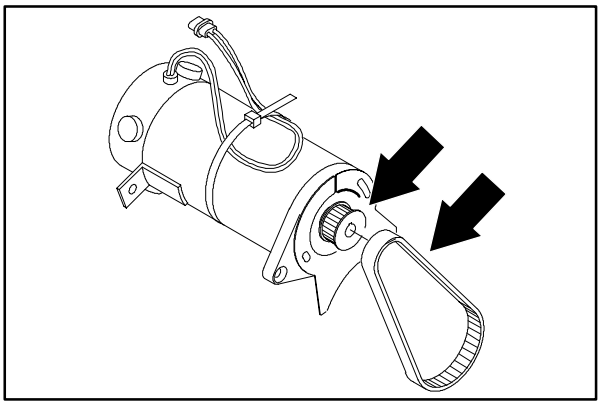


6. Cut the RTV sealant around the rubber seal. Use a needle nose pliers to remove it from the brush drive plug. Note the orientation of the seal. Remove the drive plug.

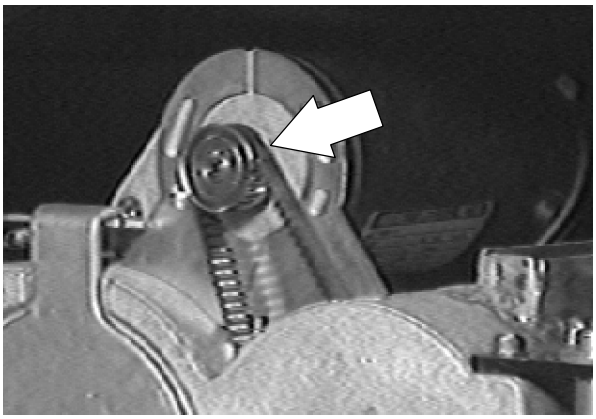


7. Remove the brush drive belt from the machine.

NOTE: It is a tight fit for the belt in the area of the lower belt cover and bottom drive plug. Carefully work the belt past the lower cover--DO NOT remove the lower cover.

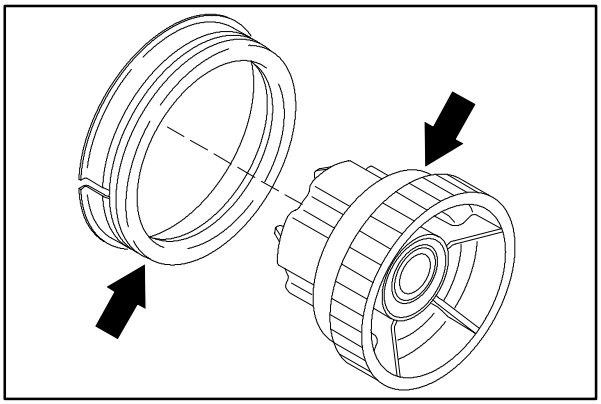


8. Slip the new drive belt into position. Push the rest of the drive belt up toward the motor belt pulley. Slip the drive belt over the motor belt pulley.



9. Reinstall the brush drive plug. Install the drive belt over the drive plug.

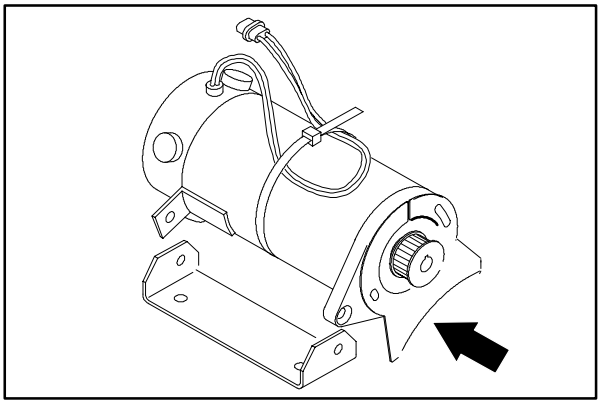
10. Reinstall the rubber seal on the drive plug. Note the orientation of the seal. Use RTV-Blue sealant all around the seal when installing.



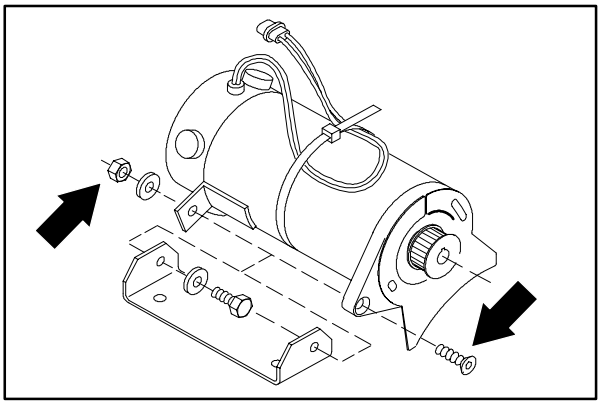
11. Use the tension bolt under the drive motor to tighten the drive belt. Proper **new** belt tension is a 3 mm (0.1 in) deflection from a force of 1.37 - 1.48 kg (3.01 - 3.26 lb) at the belt midpoint.

    When re-using an **old** belt, measure and record the belt tension before removal, so that the belt can be reinstalled at the same tension.

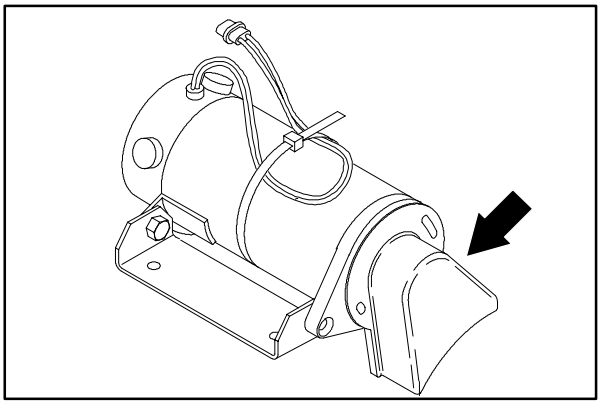
    If the old belt tension was not recorded, the recommended force per old belts is 1.03 - 1.14 kg (2.28 - 2.52 lb) with a deflection of 0.10 inch.



12. Tighten the drive motor pivot bolts to 18 – 24 Nm (15 – 20 ft lb). Re-check the belt tension.

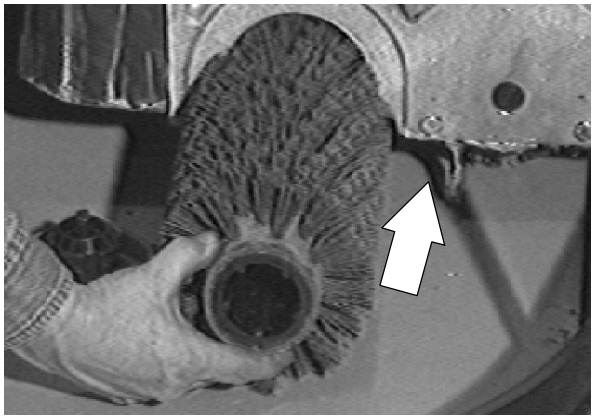


13. Reinstall the belt cover. Tighten the screws to 11 – 14 Nm (7 – 10 ft lb).



14. Reinstall the scrub brushes. See TO REPLACE CYLINDRICAL SCRUB BRUSHES instructions.

15. Operate the machine and check the scrub brushes for proper operation.



BILL OF MATERIALS FOR BELT REPLACEMENT KIT 377495

Ref.	TENNANT Part No.	Description	Qty.
1	377500	Belt, synchronous, 15 MM, 05P, 500L [plychn]	2
2	375195	Sprocket, timing, 22 tooth, 0.50B [GT/2]	2
3	222751	Plug assy, drive, brush, [48 tooth–GT/2]	2
4	222820	Seal	2

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