



# INSTRUCTION BULLETIN

No. 9009117  
Machine: M20 / T20 /  
M30  
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Rev. 00

**NOTE: DO NOT DISCARD the Parts List from the Instruction Bulletin. Place the Parts List in the appropriate place in the machine manual for future reference. Retaining the Parts List will make it easier to reorder individual parts and will save 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 9009501**

## SYNOPSIS:

This kit contains the parts needed to replace the side brush motor on M20 / T20 / M30 machines. Please follow step-by-step instructions.

## SPECIAL TOOLS / CONSIDERATIONS: NONE

(Estimated time to complete: 1 hour)

## When assembling / disassembling hydraulic components:

1. Thoroughly clean outside of hydraulic components **before** disconnecting hydraulic hoses or fittings, flush hoses and fittings with air, solvent, or hydraulic fluid, and cap disconnected hoses and open ports to prevent contaminants from entering system.
2. Mark hydraulic hoses with locations of where they are attached. Markings make it easier to reconnect hoses to proper locations.
3. Discard all hydraulic fluid drained from the system. Use only new approved hydraulic fluid to replenish hydraulic reservoir. Hydraulic fluid is potentially dangerous to the environment. Obey all federal, state, and local laws/regulations governing the disposal of environmentally hazardous materials when disposing hydraulic fluid.



## PROTECT THE ENVIRONMENT

Please dispose of packaging materials, old machine components, and hazardous fluids in an environmentally safe manner according to local waste disposal regulations.

Always remember to recycle.

## PREPARATION:

1. Park the machine on a clean level surface, turn off the machine, remove the key, and set the parking brake.

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

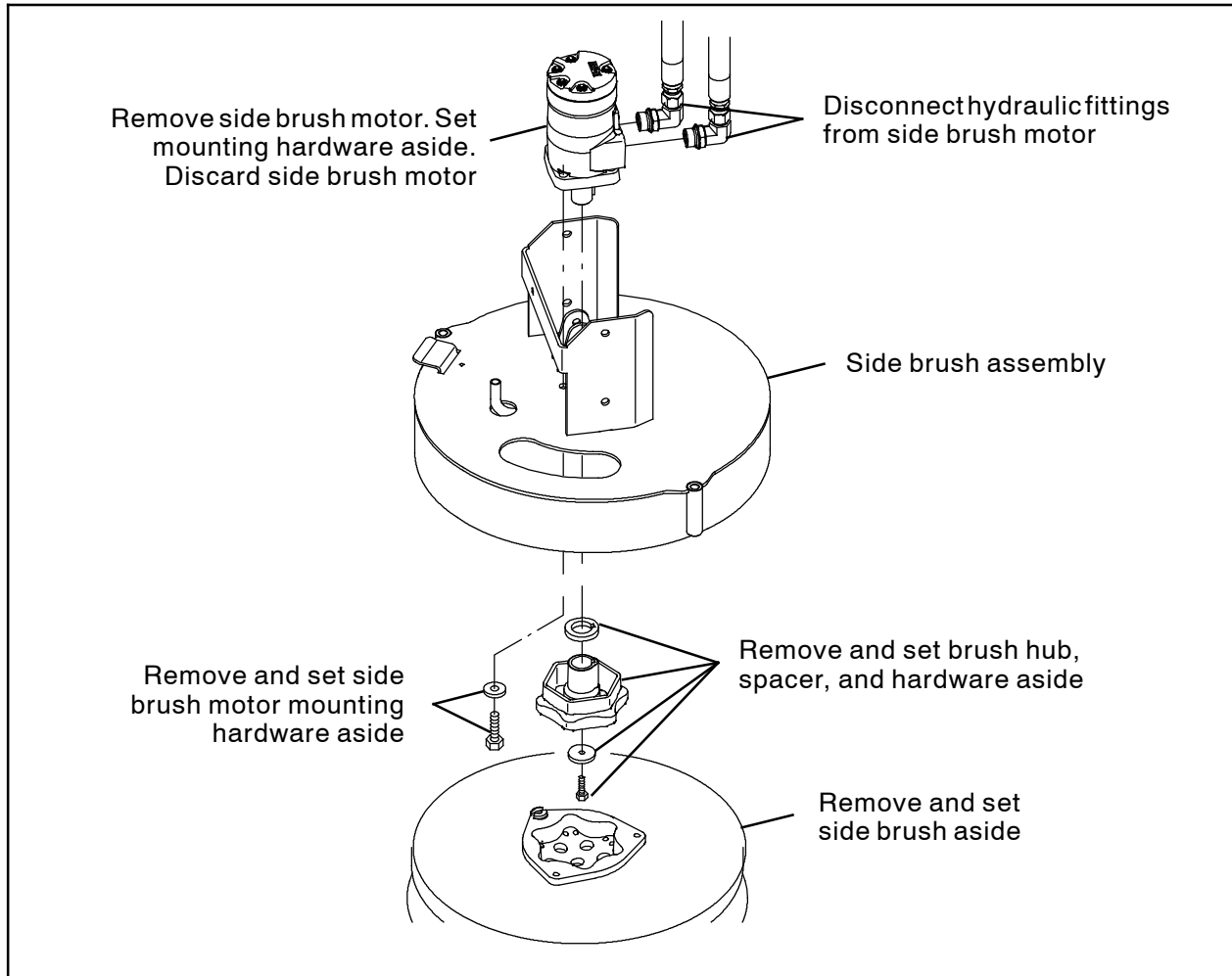
2. Remove the side brush from the side brush assembly. Set the side brush aside. (Fig. 1)
3. Remove the brush hub from the side brush assembly. Set the brush hub, spacer, and hardware aside. (Fig. 1)

4. Start the machine. Lower the side brush assembly enough to access the hydraulic lines attached to side brush motor, but not too low so it is not possible to access the hardware located underneath the side brush assembly securing the side brush motor to the side brush assembly. Turn off the machine. (Fig. 1)

## INSTALLATION:

1. Disconnect both hydraulic hoses from the side brush motor. (Fig. 1)
2. Remove the side brush motor from the side brush assembly. Set the mounting hardware aside. Discard the side brush motor. (Fig. 1)

3. Install the new side brush motor (1) onto the side brush assembly. (Fig. 1)
4. Connect the hydraulic hoses to the new side brush motor (1). (Fig. 1)
5. Reinstall the brush hub onto the side brush assembly. (Fig. 1)
6. Reinstall the side brush onto the side brush assembly. (Fig. 1)
7. If necessary, replenish the hydraulic system with fresh hydraulic fluid.
8. Start and test the side brush assembly. Inspect the hydraulic hoses and fittings for leaks.



**FIG. 1**

**Bill Of Materials For Motor Kit, Side Brush, Replmt [MAKO] - 9009501**

	Tennant			
Ref.	Part No.	Description		Qty.
▽	9009501	Motor Kit, Side Brush, Replmt [MAKO]		1
▲	1 1068812	Motor, Hyd, Gear, Int 08.9 Bi-Dir 2500		1

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