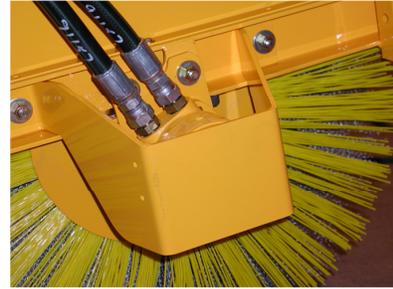


MB BRUSH REPLACEMENT

Hydraulic Drive Broom

CORE REMOVAL

1. Lower broom until brush contacts the ground via hydraulic lift cylinder or mechanical head anchor.
2. Remove bolts attaching motor guard to the brush frame. Remove guard and set aside.
3. Remove 2 – ½” bolts attaching motor mount plate to the brush frame. Slide motor out of mating splined hub. Let motor hang on hoses.
4. Remove hardware holding pillow block bearing to bottom of brush frame. Complete steps 2 thru 4 on both ends of core.
5. Slide core out the front of broom.



BRUSH REMOVAL

1. Remove 3 – ½” bolts attaching splined hub to end of core. Remove hub and set aside.
2. Remove 3 or 4 bolts attaching wafer retainer plate (end disc) to end of core. Set retainer and hardware aside.
3. Slide spent filler and spacers off core and discard.



BRUSH INSTALLATION

1. Stand core in upright position and begin filling the core by sliding an individual segment and spacer down the full length of the core starting with a poly segment. Note the location of the drive pin on the inside ring of each segment. Be sure to rotate each segment so the position of the pin is on a different side of the core with each segment being installed. This will help to insure proper balance on the core.
2. Continue stacking the core in a segment-spacer, segment-spacer configuration until it is full ending with a segment. Always start and finish with a poly segment.
3. The last segment should actually extend beyond the end of the core (Minimum ½”) so when the end disc is installed it compresses the filler onto the core when the bolts are tightened.
4. Install end disc to the end of the core and secure with original bolts.
5. Reinstall splined hub and bearing.



CORE INSTALLATION

1. Position refilled core in front of the broom head. Lift the broom head high enough to place the filled core back into its original position. Once in place, lower broom head down onto the pillow block bearing at each end of the core.
2. Reverse steps 2 – 4 from core removal section to complete reinstallation. Note: Apply grease or anti-seize to splines before installing hydraulic motors.
3. Before placing machine back into service, adjust pattern to 2” – 4” and test for proper amount of brush pattern. Excessive pattern can cause brush failure or premature wear.

