BRUSH FRAME:

Sweepster - 3x4x¼” Angle brush support arms – approximate side load before bending 700#.

M-B - ¼” Plate Brush support arms – approximate side load before bending 800#.

Challenger - ¼ Plate formed into 1 5/8x 6” channel with approximate side load before bending 5,000#. 3/8 thick inner plate making the support arms 2x6 formed tube.

HEIGHT OF BRUSH FRAME FROM GROUND FOR SAFE LOADING:

Sweepster - Approximate 10” – 12”
M-B - Approximate 10” – 12” -- Depending on make of tractor
Challenger - Approximate 28” – 34”

** NOTE – Loading can become hazardous if any part of the sweeper comes in contact with the trailer while loading.

PIVOT AND LIFT:

Sweepster - Steel to steel – grease fittings
M-B - Steel to steel – grease fittings
Challenger - Steel to nylantron – grease fittings

DRIVE MOTOR AND IDLE BEARING GUARD:

Sweepster - Drive motor inside of brush core idle bearing guarded by brush arm.

M-B - Drive motor has ½x4 guard.

Challenger - Drive motor goes through brush arm and has 3/8x12 angle guard, guarding from the front, bottom, and rear. Idle bearings are guarded by brush arm and 3/8x12 angle guard.
IDLE BEARING:

Sweepster - 1 – 1¼” Bearing standard duty, remove to change brush.
M-B - 1 – 1¼” Bearing standard duty, remove to change brush.
Challenger - 2 – 1½” Bearing heavy duty, not removed to change brush.

DRIVE AND SUPPORT:

Sweepster – Drive motor support
M-B - 1¼” Bearing
Challenger - Drive motor support

DRIVE MOTOR:

Sweepster - Remove to change brush, disconnect hydraulic hoses.
M-B - Remove to change brush.
Challenger - Quick change drive system, not removed to change brush.

PUMP:

Sweepster - Engine mounted high speed – no lever or switch to shut off.
M-B - Engine mounted high speed – no lever or switch to shut off.
Challenger - PTO Mounted, low speed high torque, can be engaged or disengaged.

OIL CAPACITY:

Sweepster - 10-15 gal. High temp-increases wear more maintenance.
M-B - 10-15 gal. High temp-increases wear more maintenance.
Challenger - Large volume 23-25 gal. Low temp-less wear and maintenance.

PIVOT ACTION:

Sweepster - 35°-40° Does not stay level, less broom life.
M-B - 35°-40° Does not stay level, less broom life.
Challenger - 35°-40° Maintains brush level at any angle.

MAIN SUPPORT FRAME:

Sweepster - Four channel, ¼” plate, 3/8” plate.
M-B - Four channel, ¼” plate, 3/8” plate.
Challenger - ¾” plate.
<table>
<thead>
<tr>
<th></th>
<th><strong>Sweepster</strong></th>
<th><strong>M-B</strong></th>
<th><strong>Challenger</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Time</strong></td>
<td>4 hours</td>
<td>4 hours</td>
<td>2 minutes</td>
</tr>
<tr>
<td>(1 man to change)</td>
<td></td>
<td>(1 man to change)</td>
<td>(1 man to change)</td>
</tr>
<tr>
<td><strong>Added Expense</strong></td>
<td>Bearing to be removed Endcover straighten or Replaced brush core</td>
<td>Bearing to be removed Endcover straighten or Replace brush core</td>
<td>Not Required</td>
</tr>
<tr>
<td><strong>Cost to Change Brush</strong></td>
<td>$265.00</td>
<td>$265.00</td>
<td>$275.00</td>
</tr>
<tr>
<td><strong>Labor</strong></td>
<td>$120.00 Approx.</td>
<td>$120.00 Approx.</td>
<td>$1.00</td>
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<td><strong>Bearing</strong></td>
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<td>$45.00 1 bearing</td>
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<tr>
<td><strong>End Cover</strong></td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td>$455.00</td>
<td>$475.00</td>
<td>$276.00</td>
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</tbody>
</table>