1.0 PURPOSE

To advise the customer that the WM1624LG T (2017XXX) has been replaced by a new model, the MJW1624BT.

“EFFECTIVE DATE OCTOBER, 2006”

2.0 SCOPE

MJW1624BT Wedge Units.

3.0 REASON

New MJW1624BT Model has superior performance and dimensional characteristics over the old WM1624LGT Model.

4.0 FEATURES AND BENEFITS

A comparison of the performance, features, and dimensional attributes are provided for assessment. All models meet MGM Brakes Product Acceptance Testing.

4.1 Increase of 172 lbs (.76KN) of parking forces @ 1.25” stroke.

4.2 Non-Coil clash power spring, lower stress, higher output, and longer life.

4.3 Compact Design,
   Smaller Head dia.
   Shorter Overall Height

4.4 Dual Thread release bolt

4.5 Tamper Resistant Steel Head (Double Coated, Increased Corrosion Resistance)
SUBJECT: MGM Brakes Model Replacement– New Magnum Piston-Type Spring Brake  
MGM Model MJW1624BT Replaces Model WM1624LGT (2017xxx)

5.0 PERFORMANCE

<table>
<thead>
<tr>
<th>Description / Item</th>
<th>New Model</th>
<th>Old Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>MJW1624BT</td>
<td>WM1624LGT</td>
</tr>
<tr>
<td>Base Part Number Series</td>
<td>MJW1624BTxxx</td>
<td>2017xxx</td>
</tr>
<tr>
<td>Overall Height ( -“X” DIM)</td>
<td>8.31” (211mm)</td>
<td>10.8” (226mm)</td>
</tr>
<tr>
<td>Diameter</td>
<td>6.76” (171mm)</td>
<td>7.69” (195mm)</td>
</tr>
<tr>
<td>Parking Force, @ 1.25” stroke</td>
<td>1922 lbs. (8.54 KN)</td>
<td>1750 lbs. (7.70KN)</td>
</tr>
<tr>
<td>Hold-Off Pressure</td>
<td>71 psi (4.90 bar)</td>
<td>72 psi (5.00 bar)</td>
</tr>
<tr>
<td>Non-Coil Clash Power Spring</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Unit Weight</td>
<td>17.06 lbs. (7.73 kg)</td>
<td>18.5 lbs. (8.39 kg)</td>
</tr>
<tr>
<td>C.G (WITH “X” DIM OF 4.50)</td>
<td>9.06” (230mm)</td>
<td>9.25” (234mm)</td>
</tr>
</tbody>
</table>

6.0 UNIT REPLACEMENT

MGM BRAKES RECOMMENDS, WHEN REPLACING MODEL WM1624LGT (2017XXX) WITH MODEL MJW1624BT (IN THE FIELD – AFTERMARKET) THAT ALL UNITS ON THE AXLE BE REPLACED. MODEL MJW1624BT HAS APPROXIMATELY 172 LBS (.76KN) MORE FORCE AT 1.25 INCHES OF STROKE THAN MODEL WM1624LGT.

7.0 PART NUMBER

MGM Brakes will issue new part numbers for your specific requirements, using base part number series MJW1624BTxxx

Should you have any questions, please call your MGM Brakes Sales Representative Or Corporate Sales Office at 1-800-527-1534.
SUBJECT: MGM Brakes Model Replacement– New Magnum Piston-Type Spring Brake
MGM Model MJW1624BT Replaces Model WM1624LGT (2017xxx)