

# MGM Brakes

A Division of Indian Head Industries, Inc.

## PRODUCT BULLETIN

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**SUBJECT: MGM Brakes Model Replacement– New Magnum Piston-Type Spring Brake  
MGM Model MJW1624BT Replaces Model WM1624LGT (2017xxx)**

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### 1.0 PURPOSE

To advise the customer that the WM1624LGT (2017XXX) has been replaced by a new model, the MJW1624BT.

**“EFFECTIVE DATE OCTOBER, 2006”**

### 2.0 SCOPE

MJW1624BT Wedge Units.

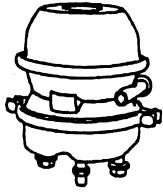
### 3.0 REASON

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)



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### 5.0 PERFORMANCE

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

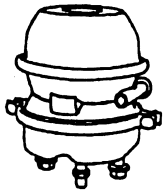
### 6.0 UNIT REPLACEMENT

**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.**



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