



Uniformity Test of Wheel Covers

1 Introduction

Note: Nothing in this standard supercedes applicable laws and regulations.

Note: In the event of conflict between the English and domestic language, the English language shall take precedence.

1.1 Purpose. Determination of unbalance and radial run-out of solid wheel covers.

1.2 Applicability. This test procedure applies to full covers used on steel wheels.

2 References

Note: Only the latest approved standards are applicable unless otherwise specified.

2.1 External Standards/Specifications.

None

2.2 GM Standards/Specifications.

GMW16590

2.3 Additional References.

- Sourcing Documents

3 Resources

3.1 Facilities. Roofed laboratory.

3.2 Equipment.

3.2.1 Wheel balancing machine or equivalent. See Figure 1. Balancing machine needs to permit installation of cover to wheel. See Figure 2.



Figure 1: Balancing Machine

GM Confidential

© Copyright 2014 General Motors Company All Rights Reserved

February 2014

Originating Department: North American Engineering Standards

Page 1 of 6



Documents
Document Sharing Hub



Figure 2: Cover installed to Wheel

3.2.2 Expanding collets rim centering system or equivalent. See Figure 3.

3.2.3 Measuring rim. See Figure 3.



Figure 3: Centering System and Measuring Rim

3.2.4 Run-out travel dial gauge. See Figure 4.

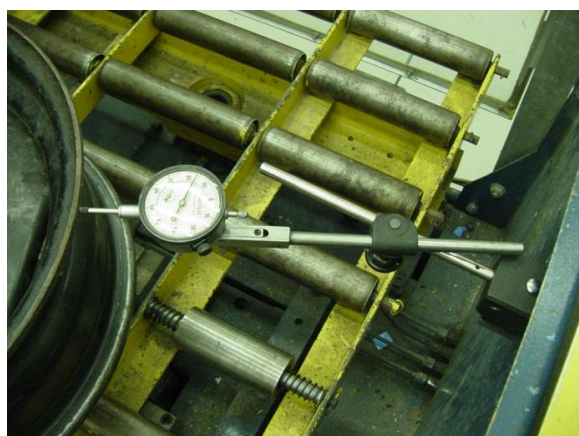


Figure 4: Run-Out Gauge

GM Confidential

© Copyright 2014 General Motors Company All Rights Reserved

February 2014

Page 2 of 6