

Fontaine® Kingpin Gauge Operating Instructions

GENERAL INFORMATION:

1. This gauge is designed to aid in inspection of the SAE J700 (2" diameter) kingpin.
2. Take extra precautions to ensure the trailer is properly supported on level ground.

INSPECTION OF KINGPIN DIAMETERS

1. Slip gauge over kingpin.
2. Position the gauge onto portion of kingpin to be measured (see fig. A & B).
Be sure to rotate the gauge 360 degrees around the kingpin to measure diameter in all directions.

3. This gauge is designed as a no-go gauge. It indicates 1/8" (0.125") of wear.
If the kingpin enters the area marked out of spec, check the kingpin with a more accurate gauge (i.e. caliper/micrometer) before replacing the kingpin.

4. Fontaine recommends replacing kingpin if any diameter indicated in (fig. A or B) is worn 1/8" (0.125").

FIGURE A.
Inspection of kingpin diameter

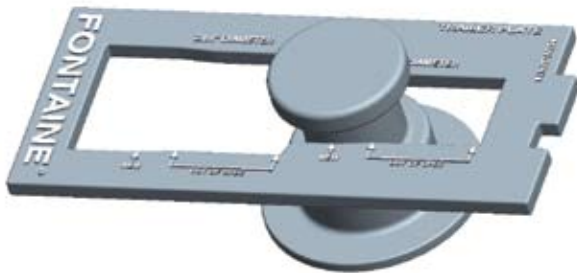
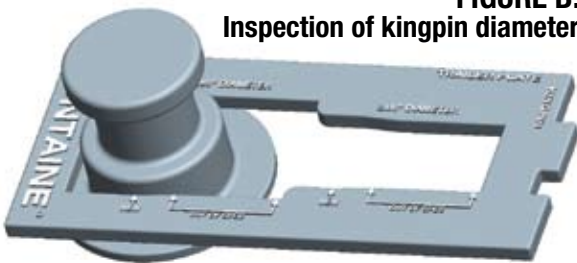


FIGURE B.
Inspection of kingpin diameter



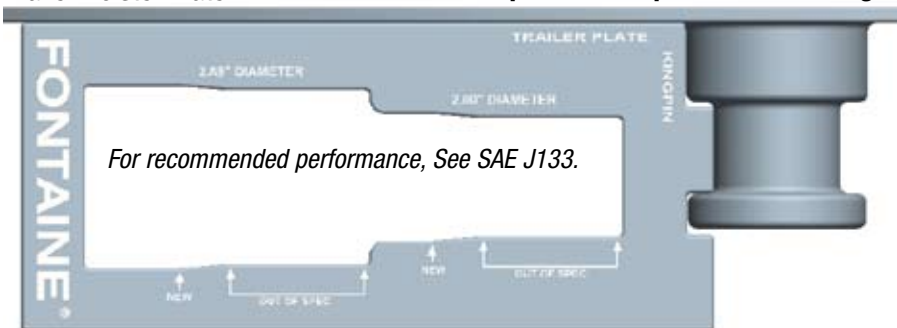
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INSPECTION FOR HEIGHT & SQUARENESS TO BOLSTER PLATE

1. Place the notched end of the gauge onto the kingpin as shown in (fig. C).
2. Check the kingpin for correct height and squareness to bolster plate.
3. If kingpin does not fit into gauge, height of kingpin is incorrect or bent.
4. Make sure to rotate gauge 360 degrees to check all sides of kingpin for squareness to bolster plate.
5. Replace any damaged or incorrect kingpins.

Trailer Bolster Plate

FIGURE C.
Inspection of squareness and height



Caution: Use of excessively worn or bent kingpins can affect fifth wheel performance. Kingpins of improper height may also affect proper performance. Use of kingpins that are not within SAE J700 standards may also cause hazardous conditions.

