

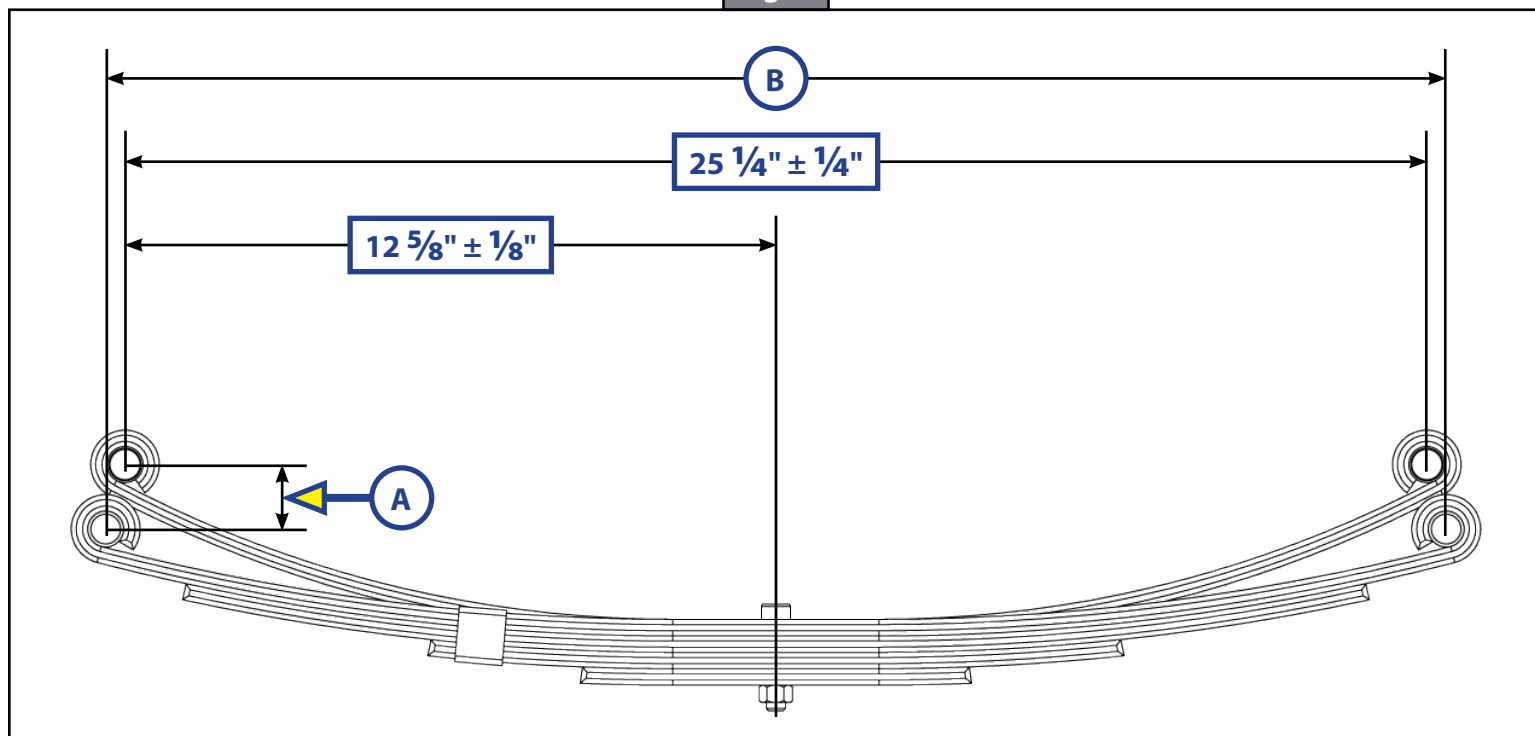
AXLES AND SUSPENSION

Introduction

The purpose of this document is to outline the deflection measurement parameters for a leaf spring. Use this as the definitive guide for identifying leaf springs that are defective "flat springs."

This deflection measurement applies to the majority of the double-eye leaf springs used by LCI, including the typical springs used on LCI35, LCI44, LCI52, LCI60, LCI70, LCI80H and LCI80 axle models.

Fig. 1



Measurements

Spring deflection as specified is approximately 1 1/4" of vertical travel (Fig. 1A) when the rated amount of weight is applied.

To determine if a spring has been damaged and yielded, spring length can be an indicator.

When measuring center-of-eye to center-of-eye on the spring (Fig. 1B), the length should never exceed 26". Springs subjected to weight equal to or less than their rated load should measure 26" or less. A spring that measures longer than 26" can be the result of a damaged spring or a wheel end that has more than the rated load on it.

NOTE: Measuring should only occur when unit is level and on a flat surface such as a concrete pad.

As a supplier of components to the RV industry, safety, education and customer satisfaction are our primary concerns. Should you have any questions, please do not hesitate to contact us at (574) 537-8900 or by email at customerservice@lci1.com. Self-help tips, technical documents, product videos and a training class schedule are available at lci1.com or by downloading the MyLCI app.