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18410 TELESCOPING TRAM GAUGE



Bee Line announces the release of the 184 10 Telescoping Tram Gauge. This new Assembly incorporates several new features that simplify the gauging process including:

- A lightweight design.
- Exceptional accuracy and repeatability.
- Transported with ease.
- Affordable pricing.
- Incorporates a built in scale

WITH THE NEW ADJUSTABLE POINTER BLOCKS, YOU CAN EASILY CHANGE THE POINTER LENGTH WHILE MAINTAINING POINTER RIGIDITY

THE OPERATION IS FAST AND EASY.

Start on one side of the vehicle. Unclamp snap latch "B" (Figure 2) and slide the measuring gauge down the shaft to the pointer block. Unclamp snap latch "A" (Figure 2) and allow the telescoping tube to slide freely. Place the left pointer in the center of the hub and slide the gauge until the right pointer fits snugly into the adjacent hub. Clamp snap latch "A" while both pointers are in the hub centers (Figure 1). Remove the gauge from the hubs and slide the measuring gauge so that the 0" mark is at the very edge of snap latch "A" (Figure 3). Lock the measuring gauge in this position using latch "B".

Now move to the other side of the vehicle. Unclamp snap latch "A" and allow the telescoping tube to slide freely. Place the left pointer in the center of the hub and slide the gauge until the right pointer fits snugly into the adjacent hub. Clamp snap latch "A" while both pointers are in the hub centers. Remove the gauge from the hub. The error between the axles can be read directly from the scale. (see figure 4)



FIGURE 1
 WHEN THE PINS FIT SNUGLY IN BOTH HUBS, LOCK THE SNAP LATCH



FIGURE 3



FIGURE 4



FIGURE 2

A - SNAP LATCH ALLOWING TELESCOPING ADJUSTMENT
 B - SNAP LATCH ALLOWING MEASURING GAUGE ADJUSTMENT

18419 TELESCOPING TOE GAUGE KIT

Bee Line has made it easy to convert your 18410 Tram Gauge into an equally accurate Toe Gauge with these additional parts. Simply attach these add-ons to both ends of each pointer and you have a Toe Gauge that operates similar to the 18410 Tram Gauge. Taking a toe measurement has never been easier! Utilize these inexpensive add-ons to give your shop a valuable 2-in-1 gauging tool.



THE 18419 KIT EASILY CONVERTS YOUR 18410 TELESCOPING TRAM GAUGE INTO AN EQUALLY EFFICIENT TOE GAUGE

USING MANUAL TELESCOPING TRAM/TOE BAR AS A TOE GAUGE

After scribing the tires, unclamp snap latch "B" and slide the measuring gauge away from snap latch "A". Place the toe gauge on the front of the tires. Unclamp the snap latch "A" and adjust the telescoping tube until both pointers are roughly on the scribed lines and then reclamp snap latch "A". Now, move the toe gauge to the rear of the tires. Set the pointer with the end containing the magnetic base precisely on the scribed line (Figure 1). Loosen the thumbscrew holding the pointer extension on the other end of the toe gauge. Position the pointer precisely on the scribed line and tighten the thumbscrew (Figure 2).

Now, remove the toe gauge from the vehicle. Slide the measuring gauge so that the "0" mark is at the very edge of snap latch "A" and lock in this position using snap latch "B" (Figure 3). Loosen snap latch "A" and place the toe gauge in front of the tires. Move the toe gauge so the pointer at the magnetic base end of the gauge is precisely on the scribed line. Adjust the telescoping tube until the other pointer is precisely on the scribe line. Clamp snap latch "A". Remove the Toe Gauge and read the actual toe value from the scale (Figure 4).



INITIALLY ADJUST THE TELESCOPING TUBES SO THE POINTERS CLOSELY MATCH THE SCRIBE MARKS ON THE FRONT SIDE OF THE TIRES.



FIGURE 1
 BASE WITH MAGNET



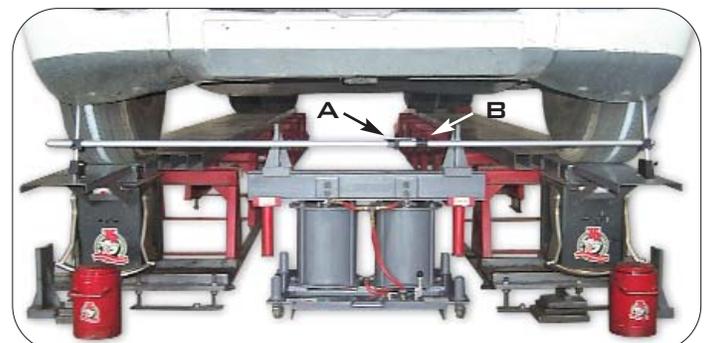
FIGURE 2
 THUMBSCREW ADJUSTMENT



FIGURE 3



FIGURE 4



ON THE FRONT SIDE OF THE TIRE, ADJUST THE TELESCOPING TUBE UNTIL BOTH POINTERS ARE ON THE SCRIBED LINES AND LOCK SNAP LATCH "A".