
PREVOST®

Instructions Sheet

IS-94056

BELT TENSION GAUGE

MATERIAL

Kit #01-1742

DESCRIPTION

The Belt Tension Gauge #68-2408 is used to measure the belt tension of Series 60 engine belts. It is usable on a variety of belt sizes. The gauge uses a snap action spring force to allow one hand operation. The movable indicator arm records belt tension after gauge is removed from belt. The gauge has scale markings in lbs. and kilograms.

V-belt sizes are determined by top size width. K-Section V-Ribbed Belts are determined by 9/64 in. rib spacing.

NOTE: V-Ribbed belts are also called Poly-V or Micro-V.

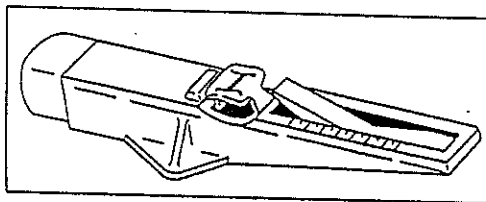


Fig. 1 - Belt Tension Gauge (Range= 100-320 Lbs. or 50-150 Kg.)
Checks 6 thru 12 Rib V-Ribbed Belts.

DESCRIPTION OF KIT #01-1742

Item	Part no.	Description	Qty
1	68-2408	Belt Tension Gauge	1
2	FI-94056	Feuille d'instructions (Français)	1
3	IS-94056	Instructions sheet (English)	1

PROCEDURE

1. Hold gauge correctly by
 - a) rubber loop using ends of thumb and index finger,
 - b) index finger through top of rubber loop, or
 - c) index finger between rubber loop and pressure pad. (See Fig. 2)

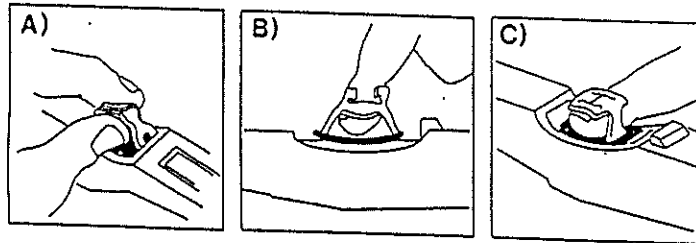


Fig. 2

2. Position the base of the gauge in the center and on the top side of the belt midway between the two pulleys. (See Fig. 3)

NOTE:

- a. Make sure moveable tension indicator arm is below the scale on top of the gauge before making tension reading.
- b. Most belts have smooth top sides, however some belts have small molded cogs on their top side. To obtain an accurate reading, the moveable arm must be contacting the belt on the top side of any one cog, and not in the notch between cogs.

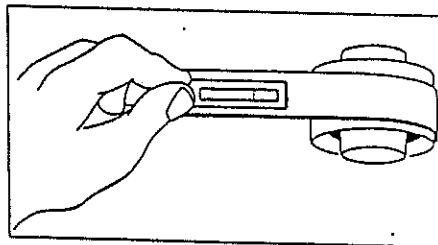


Fig. 3

3. Press slowly on the gauge pressure pad at a right angle to the top of the belt. When you hear (or feel) the click of the tension spring, stop pressing, and carefully remove the gauge without moving the indicator arm.

NOTE: Do not touch or press on the gauge at any other location other than the pressure pad for best results.

4. Read the belt tension by observing the point where the top side of the indicator arm crosses the numbered scale on the gauge body. (See Fig. 4)

NOTE: Average several readings for best results.

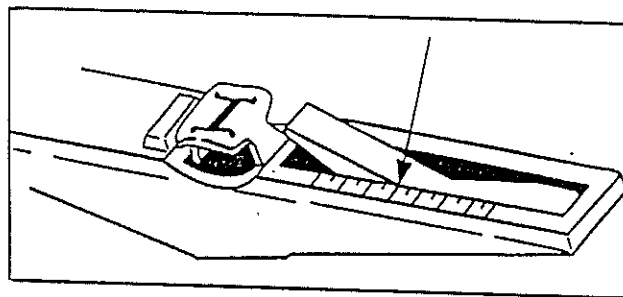


Fig. 4

GENERAL RULES FOR BELT TENSION

- a. Refer to Prevost Maintenance Manuals or Service Bulletins for recommended belt sizes and tensions.
- b. New belts should be tensioned, run-in for 10 minutes, then checked and re-tensioned if necessary.
- c. Inspect belt and pulleys periodically for wear or damage.
- d. Do not use belt dressings.
- e. Do not use on belts wider than the bottom surface of gauge.