

S898Z Automotive Inspection Sets



Flexible Configuration – Precise Measurement

Repairing or modifying automobiles and trucks can require very precise measurement. Tasks such as setting proper distance or alignment can be critical to vehicle operation.

However, securing a measuring fixture to a stable, reliable surface can be very challenging inside an engine compartment with many parts at odd angles in a tightly confined space.

Starrett has developed two kits that combine highly flexible configuration with several options to secure a measuring fixture to whatever surface is available to do the job.

These kits will prove themselves to be invaluable to auto mechanics – providing an answer to the question, “How am I going to do that?”



Above: S898Z-1 Automotive Inspection Kit

Below: S898Z-2 Automotive Inspection Kit

Flex-O-Post and indicator secured to locking pliers



Choice of two ways to fasten the indicator to the end of the Flex-O-Post



Flex-O-Post and indicator secured to magnetic base (S898Z-2 only)



S898Z-1 (above) & S898Z-2 (below) kits come in a rugged, form fitted plastic case



S898Z-1 and S898Z-2 Automotive Inspection Kits are identical except that the S898Z-2 includes a magnetic base for additional mounting options.

- S898Z-1, EDP 12438: Includes Pliers, Flex-O-Post, a dial indicator (.001" grads, 1" travel), fitted plastic case
- S898Z-2, EDP 12437: Includes Pliers, Flex-O-Post, a dial indicator (.001" grads, 1" travel), Magnetic base, fitted plastic case

Application Examples

Application Example 1: S898Z-1 Automotive Inspection Set

Install the flexible post into the threaded hole on the adaptor located on the fixed jaw of the locking pliers.

Attach the dial indicator to the opposite end of the post – this can be accomplished in two ways:

- 1) Use the indicator's "lug on center back". This method requires the use of the 3 inch stepped plug, snug and two piece threaded adapter.
- 2) Attach the lower stem of the indicator into the flexible post's clamp.



With the indicator attached, lock the pliers onto a stable structure.

Position the flexible post so the indicator contacts the part being inspected. Then, tighten the post by moving the cam lever at the lower end of the post where it connects to the pliers.

If the tool is in an awkward position when locked, loosen the small set screw near the cam, rotate the assembly, then retighten this screw.

To create more rigidity, tighten the knurled cylinder on the opposite (indicator) end of this post. Tightening this cylinder against the segments will increase the post's strength.



S898Z-1 configured with the pliers to secure the measuring setup in place

Application Example 2: S898Z-2 Automotive Inspection Set

The S898Z-2 kit includes everything in the S898Z-1, plus a magnetic base. This magnetic base extends the set's functionality to a range of new applications.

To switch the Flex-O-Post from the pliers to the magnetic base, loosen the post cam and unscrew from the pliers.

The Flex-O-Post can be screwed into the magnetic base on either the top or back side for additional flexibility.

Position the base onto a suitable rigid structure and push the button on the base forward to engage the magnet and lock the tool in place.

Next, position the indicator and tighten the post as in Example 1 and begin your inspection.

When finished, push the button into the block and the magnetic base will be released.



S898Z-2 configured with the magnetic base to secure the measuring setup in place

S898Z Series Inspection Kits

Cat. No.	EDP	Description
S898Z-1	12438	Inspection Kit with indicator, Pliers, Flex-O-Post & form-fit plastic case
S898Z-2	12437	Inspection Kit with indicator, Pliers, Flex-O-Post, magnetic base & form-fit plastic case