

OPERATION OF THE SPC4™ MODEL 500A SNAP ON LOAD READER

The SPC4™ Snap-On Load Reader enables accurate measurement of applied load in SPC4™ load indicating fasteners. The load reader is installed on the fastener by pushing it against the datum disk until it snaps into place. A percent reading is then indicated, which may be correlated to load in the fastener from the calibration certificate supplied with SPC4™ load indicating fasteners.

Upon receipt of the SPC4™ Model 500A Snap-On Load Reader, an initial check-out should be performed by affixing it to the ends of a supplied certified calibration gage, which is marked with "0%" and "100%" indications. Readings should be within $\pm 5\%$ of these indicated values. This check-out procedure should also be performed prior to each use.

If required, minor adjustments to re-zero the load reader can be made by removing the small set screw located on the unit's top surface and inserting a thin probe (or a straightened paper clip) and nudging the outer ring of the dial indicator to line up the "0%" line with the pointer.

The SPC4™ Model 500A Snap-On Load Reader is a precision instrument and care must be taken to ensure accurate and reliable load readings. Harsh handling, impact with foreign objects, or dropping of the load reader may damage the internal mechanism and result in unreliable load readings. If the load reader is damaged, it should be returned to Valley Forge & Bolt Manufacturing Company for repair or replacement.