
GSI-NC Negator Cassette

Gauge Accessories



Versus



If you have ever replaced the motor spring on a mechanical tank gauge you know the time, frustration, and danger involved. You will also be relieved to learn that Gauging Systems Inc. has eliminated the Negator Motor Blues. Here's how...

We started with a standard negator motor and enclosed it in a removable cassette housing. Sounds simple enough but look what it does for you:

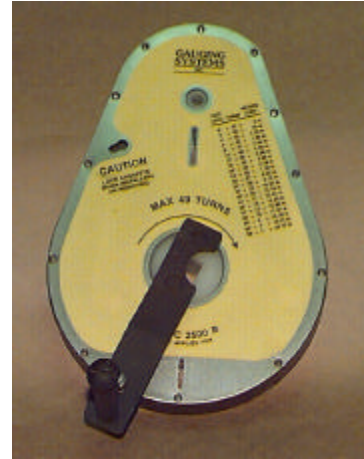
- Improves Safety.** The Negator Cassette eliminates *spring attack*; there is no longer a spring motor to come unwound in your hands or worse yet, on your arms or face.
- Extends Product Life.** The Negator Cassette eliminates scale and dirt from being wound up in the spring motor causing stretching or corrosion and limiting its useful life span.
- Reduces maintenance (labor).** The Negator Cassette turns what has traditionally been a two man job into a one man job by reducing the time and ease of changing out a spring motor. No tape to pull out or negator hubs to unwind. This represents a minimum of 50% labor savings.
- Improves Gauge Head Operation.** The Negator Cassette eliminates misalignments of the spring motor, as it is self aligning. Performance is further improved by elimination of contaminants in the spring motor, thereby maintaining constant tension over full range.
- Impostors or Copies.** The GSI-NC has no plastic mounting tabs that can break off in cold weather or from over tightening of the mounting screws. You can remove the spring motor without removing the tape storage sheave. Uses a handle to wind the cassette, not a screwdriver.
- The GSI-NC:** Now contains spools that are molded from "HMWPE" High Molecular Weight Polyethylene, a plastic that is similar to Teflon. The side plates are now stamped from Stainless Steel to reduce friction.
- Improvements:** A Gauging Systems Inc. technician developed the original Negator Cassette in 1985. Since that time, GSI has made improvements to the Negator Cassette design based upon operating conditions and customer feedback.

Gauging Systems Inc. (GSI™)

910 Industrial Blvd., Suite A • Sugar Land, Texas 77478

Phone: (281) 980-3999 • Fax: (281) 980-6929 • E-mail: GSIHouTx@msn.com

- **The NC fits into the following mechanical gauges:** GSI-2570, 2500A, 2500B sand cast, 2500B, 92006, 92020, and the 92021.
- **The “New” GSI-NC/EXH :** GSI has now designed a Negator Cassette to fit a .012” thick spring motor. The “EXH” Extra Heavy gives better tension strength than a thinner spring. Works well in cold climates.
- **The GSI-NC/EXH :** Fits into the GSI-2570 gauge or the 2500B DIE CAST. This cassette will also fit into the 92006, 92020, or the 92021 gauges.
- **The GSI-NC/EXH will not fit** into the 2500B sand cast or the 2520, 2530 high pressure gauges.



Installation

The first time you install a Negator Cassette, you will need to order the installation kit. The kit includes the Negator Cassette, Crank Handle (for winding the motor spring within the cassette), a Brass bushing, and a Tape Storage Sheave Assembly (TSSA). The TSSA has been redesigned, the negator hub portion has been eliminated and replaced with a square cassette drive shaft.

Initial installation is easy to accomplish in the field with minimal effort. When a tape breaks or the spring motor wears out, simply remove the Spring Motor Hub and the Tape Storage Sheave Assembly. Roll the new (or old) tape onto the new TSSA (from the kit), get a hand line measurement of the tank level, with the Hand Crank wind the Negator Cassette the appropriate number of revolutions (in accordance with the chart on the side of the unit) and lock the handle, place the Negator Cassette into the gauge (over both the Spring Motor Hub shaft and Tape Storage Sheave shaft), unlock the handle, and wind down until the motor springs tension holds and remove the handle. It is that easy...

GSI-NC Ordering Information

Model No. Specification: GSI - NC - A - B - C

A = Unit Ordered:

- (1) = Negator Cassette ONLY
- (2) = Installation Kit, i.e., Negator Cassette, TSSA, Brass Bushing, and Crank Handle
- (3) = Crank Handle ONLY
- (4) = Tape Storage Sheave Assembly ONLY
- (5) = Brass Bushing ONLY (Negator Hub Shaft Spacer)

B = Type of Mechanical Gauge used within

- | | |
|-----------------------|---------------------------------|
| (A) = GSI 2570 | (Standard NC or EXH) |
| (B) = 2500B Sand Cast | (Standard NC ONLY) |
| (C) = 2500B Die Cast | (EXH - Extra Heavy Spring ONLY) |
| (D) = 2520 (150psi) | (Standard NC ONLY) |
| (E) = 2530 (300psi) | (Standard NC ONLY) |
| (F) = 92006 | (Standard NC or EXH) |
| (G) = 92020 | (Standard NC or EXH) |
| (H) = 92021 | (Standard NC or EXH) |

For Negator Cassettes for the 2500A model gauge. Contact

C = Negator Motor Strength (Note: Check gauge type before indicating Negator Motor Strength)

- (7) = Standard Spring Motor (0.01 thick spring motor)
- (8) = Extra Heavy Spring Motor (0.012 thick spring motor)