



ECHLIN®

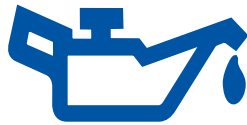
DID YOU KNOW?

The Aftermarket's Broadest VVT Coverage

With nearly 500 SKUs and counting, including more than 100 exclusive units, NAPA® Echlin® offer the most comprehensive Variable Valve Timing program in the aftermarket. We're determined to continue broadening our VVT program with increased coverage and expanded manufacturing at our certified facility in Bialystok, Poland.

475+ SKUs

Standard® and Intermotor® offer more than 475 SKUs, which is comprehensive aftermarket coverage



Irregular oil change service is one of the leading causes of Variable Valve Timing failure

HIGH TECH

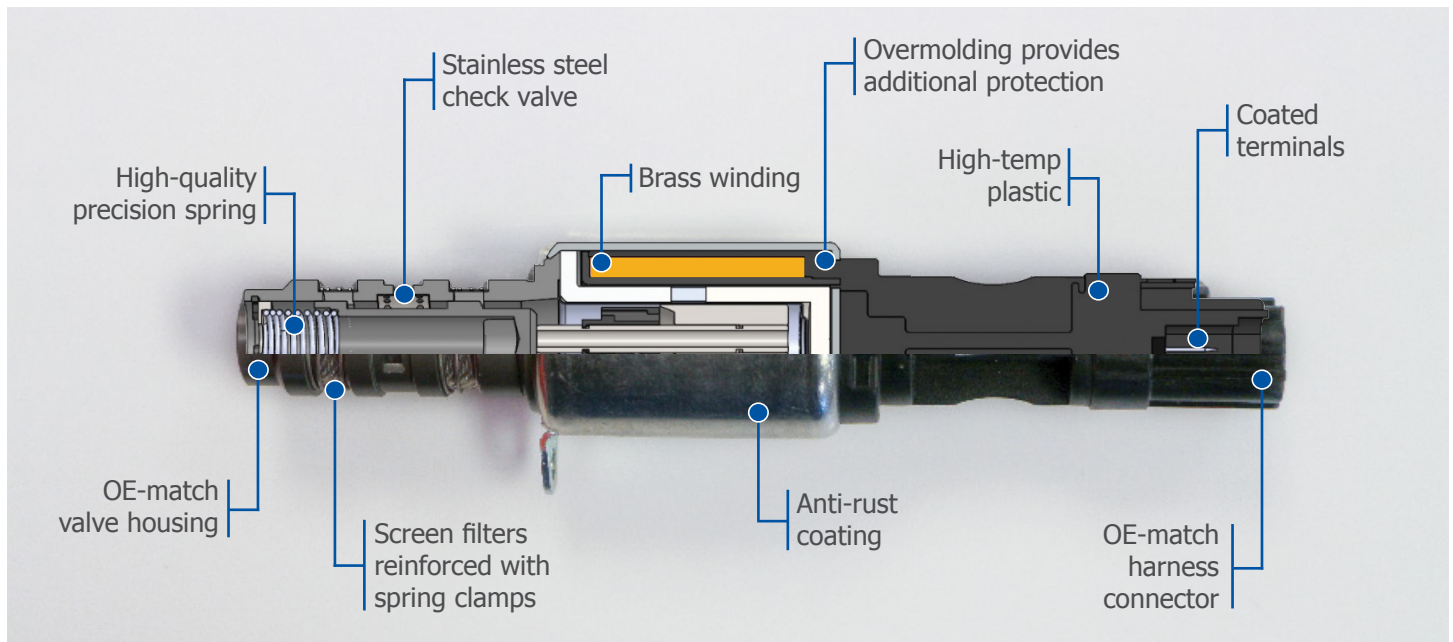
Variable Valve Timing is an extremely high-tech category, which is why premium quality is a must

100% TESTED

Standard® and Intermotor's VVT line undergoes extensive design and testing to ensure performance and longevity

Designed and Manufactured for Real-World Conditions

In addition to providing the aftermarket's leading VVT coverage, NAPA® Echlin® are committed to supplying professional technicians with the premium quality that's critical for this high-tech category. That's why our VVT Solenoids are designed and manufactured using premium components to endure real-world conditions.



LOOKS RIGHT. FITS RIGHT. PERFORMS RIGHT.

NAPAEchlin.com



ECHLIN®

DID YOU KNOW?

Variable Valve Timing (VVT) Sprockets

Located on the camshaft, VVT sprockets (also known as cam phasers) help maximize engine horsepower and torque curves while reducing emissions and improving vehicle efficiency. To ensure proper performance for this important category, NAPA® Echlin® VVT Sprockets meet tight dimensional tolerances to improve internal sealing, minimize oil drain back, and reduce frequency of PCM correction.

ECP1100

Ford F-Series Trucks & Expedition (2014-04)

Ford Explorer & Sport Trac (2010-06)

Ford Mustang (2010-05)

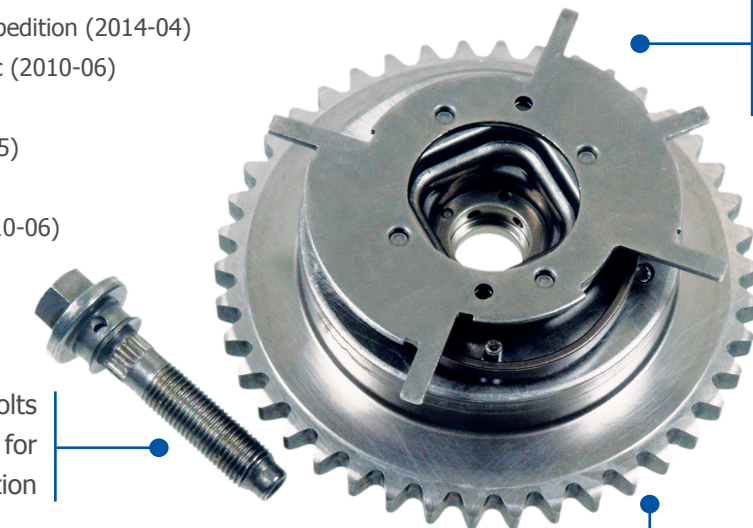
Lincoln Navigator (2014-05)

Lincoln Mark LT (2008-06)

Mercury Mountaineer (2010-06)

VIO Over 3.2 Million

OE-style installation bolts included with sprockets for ease of installation



Undergoes 100% end-of-line testing to meet or exceed OE performance

Precision-machined to ensure accurate variable valve timing, correct rough idle, and restore drivability

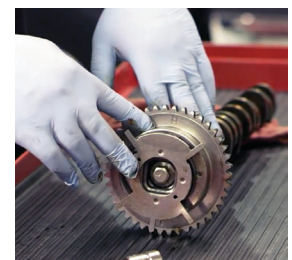
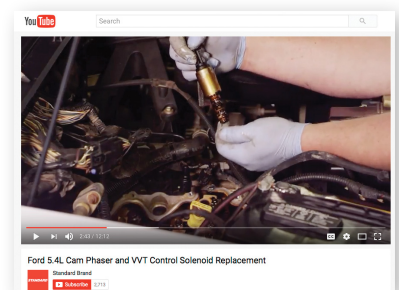
Extensively designed to lower leakage and lash, which improves performance and leads to noise-free operation

OE-Matching sprocket tooth profiles ensure quiet operation

Variable Valve Timing (VVT) Sprocket Tech Tips:

Replacing the VVT sprocket on a Ford 5.4L engine is an in-depth job. To help you replace it correctly, here are a few repair tips from our VVT Installation Spotlight video. To watch the full installation, visit our YouTube channel.

- Use a pick tool to make a scribe on the timing chain. The scribe will show you where to put the chain with the new sprocket to avoid retiming the engine.
- Remove the entire camshaft. Otherwise, it will be difficult to align the sprocket's dowel pin. If the pin isn't aligned perfectly, it will be sheared off, causing damage to the camshaft.
- Tighten the sprocket bolt to 40Nm, then tighten an additional 90 degrees.
- Torque the camshaft caps to 10Nm, working your way from the center to the outside.



LOOKS RIGHT. FITS RIGHT. PERFORMS RIGHT.

NAPAEchlin.com