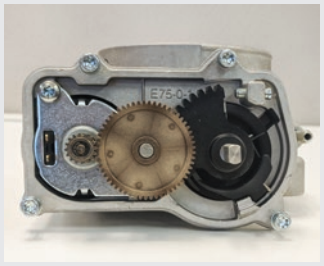
SEE HOW TECH EXPERT™ STACKS UP TO THE COMPETITION

	COMPETITOR 1	COMPETITOR 2	TECH EXPERT ETB103
FEATURES	• New unit, sourced from low cost suppliers • Utilizes plastic gears w/ inferior teeth • Gaskets not included	• New unit, sourced from low cost suppliers • Utilizes plastic gears w/ inferior teeth • Gaskets not included	• Highest standards of precision available • Gear set made from stainless steel • Gaskets included
INTERNAL COMPONENTS	• Does not have compression limiters • Motor contact design know for high contact resistance – Results in check engine light illuminating	• PCB & brushes are exposed to debris generated from gear set – Can lose contact or develop erratic voltage signal over time, causing check engine light	• PCB & brushes are enclosed, protected from gears • Motor contacts are plated to reduce contact resistance and to resist corrosion • Screw holes include steel compression limiters to prevent plastic cracking
19MM BALL BEARING	• Sourced from low-grade manufacturer • Uses a retaining ring which results in increased friction for the throttle plate • Will lead to check engine light due to slow response time	• Sourced from low-grade manufacturer • Low cost needle roller bearing and plastic retainer • Does not provide precise shaft location • Shaft movement and friction present	• Designed to minimize shaft play and reduce friction • Sourced from premium supplier and is designed to meet or exceed the OE component
THROTTLE PLATE MOUNTING SCREWS	• Countersunk type screw • Thread lock compound is not used • Aluminum throttle plate, will gall against the casting – Results in slower response time due to friction and Check engine light	• Countersunk type screw and poorly mated • Thread lock compound is not used • Galling is evident between bore and throttle plate – Indicates poor fitment and will result in an increase of friction over time	• Machine-down screw head bolts, distributes load evenly • High-temp thread locking compound on all screws • Brass throttle plate
SPRING RETAINER	• Made of glass-filled nylon • Poor impact resistance • Cracking and Catastrophic failure likely	• Made of nylon with a 2-tab mechanical stop • Increased likelihood of breaking due to significantly less leverage	• Made from 20% carbon fiber filled plastic • 300x stronger than nylon • Designed to meet and/ or OE component • Provides longevity and performance reliability
GEAR ASSEMBLY	• Utilizes inferior plastic gears that deteriorate over time • The end stop is a 3mm screw tip in contact with the plastic gear 	• Utilizes inferior plastic gears that deteriorate over time • End-stop is a 2.5mm screw tip • Pressed against a thin portion of the segment gear • Likely to make an imprint during extended use and potentially jam up 	• The NAPA Echlin ETB is manufactured using steel gears that eliminate this failure mode and provide long lasting performance and reliability • Steel gear comes into contact with a 5mm screw • Tip designed to resist wear over long-term use • Held in place with a locknut