

I-SHIFT



I-SHIFT SETTING THE STANDARD FOR AUTOMATED TRANSMISSIONS

Volvo's I-Shift transmission continues to be the benchmark for powertrain integration, offering the convenience of an automatic with the performance of a manual. I-Shift helps drivers stay in the right gear, no matter the payload or terrain, which improves fuel efficiency. It provides faster or skip shifting during critical load-pulling scenarios and a quick rocking response in adverse conditions. And I-Shift virtually eliminates the time a driver spends shifting, which reduces fatigue and allows more time for safely monitoring the road ahead.

I-Shift plays a key role in Volvo's industry-changing XE packages for exceptional efficiency. With up to 3% improved fuel efficiency, a Volvo truck with I-Shift can help you set a new standard for profitability.





LESS WEIGHT GREATER FUEL EFFICIENCY

Volvo's I-Shift transmission allows any driver to become a fuel efficiency expert. We equipped I-Shift with the intelligence to lower engine RPM through "downspeeding." At 65 mph, I-Shift and the Volvo XE powertrain package allow drivers to cruise at just 1,150 RPM. It's innovation that provides you with more miles traveled at maximum fuel efficiency.

Our premium I-Shift package also allows the driver to select between Economy and Performance operating modes, providing the option to choose between maximum fuel efficiency and maximum gradeability.





DRIVER INFORMATION DISPLAY

The Driver Information Display can provide constant information on fuel efficiency while in route. The display also provides the current gear position, available gears for shifting, engine brake position and operating mode. No one in the industry offers a larger, more intuitive in-dash display.

ECO-ROLL™

Eco-Roll uses kinetic energy from the truck's motion to improve efficiency on any type of rolling terrain. This unique feature can improve fuel savings by up to 2% when utilized.

IDLE DRIVING MODE

I-Shift maximizes fuel efficiency even at lower speeds. Idle driving allows the engine to operate at idle without cycling the clutch or using the accelerator pedal. Idle driving is especially useful in slow moving traffic or when backing a trailer.

WEIGHT

I-Shift's aluminum housing allows Volvo to offer the industry's lightest automated manual transmission for high torque ratings. Our industry-leading 2,350 lb-ft rated transmission weighs just 726 pounds.



POWER LAUNCH

If a vehicle becomes stuck in sand or soft soil and is equipped with the Performance+ software package, I-Shift has the ability to use extra engine torque to get the vehicle moving again.

STANDARD WITH TWO REVERSE GEARS

The Volvo I-Shift transmission comes standard with two available reverse gears for normal backing operations. For vocational applications, the Volvo VHD with a premium shifter can be equipped with two additional high-speed reverse gears.



PRODUCTIVITY IN EVERY APPLICATION

Your fleet becomes more productive when you choose I-Shift. Smooth, easy shifting places less stress on the driveline and tires. You will extend equipment life and minimize maintenance. The easy-to-use I-Shift has even helped some fleets increase driver retention and reduced training time by up to a week.

I-Shift's premium shifter also offers an Enhanced Performance mode that makes it perfectly suited for off-road use. It automatically adapts gearshifts and gear selection to poor driving surfaces and hilly terrain. This enables I-Shift to work in hauls up to 105,000 lbs off highway and 143,000 lbs on highway.



A man with short brown hair, wearing a red long-sleeved shirt and blue jeans, is driving a Volvo truck on a highway. He is seen from the side, looking forward at the road. The truck's interior, including the steering wheel and dashboard, is visible. The background shows a blurred landscape of green hills and a clear sky.

THE INDUSTRY'S SAFETY LEADER

Volvo means safety, and has since 1927. In fact, every Volvo truck comes standard with the industry's leading collision-protection technology. But the best protection is avoidance, and that starts with a driver who's focused on the road ahead. I-Shift takes away the physical and mental demands of changing gears, which reduces driver fatigue and provides more time for the driver to give full attention to surrounding traffic.

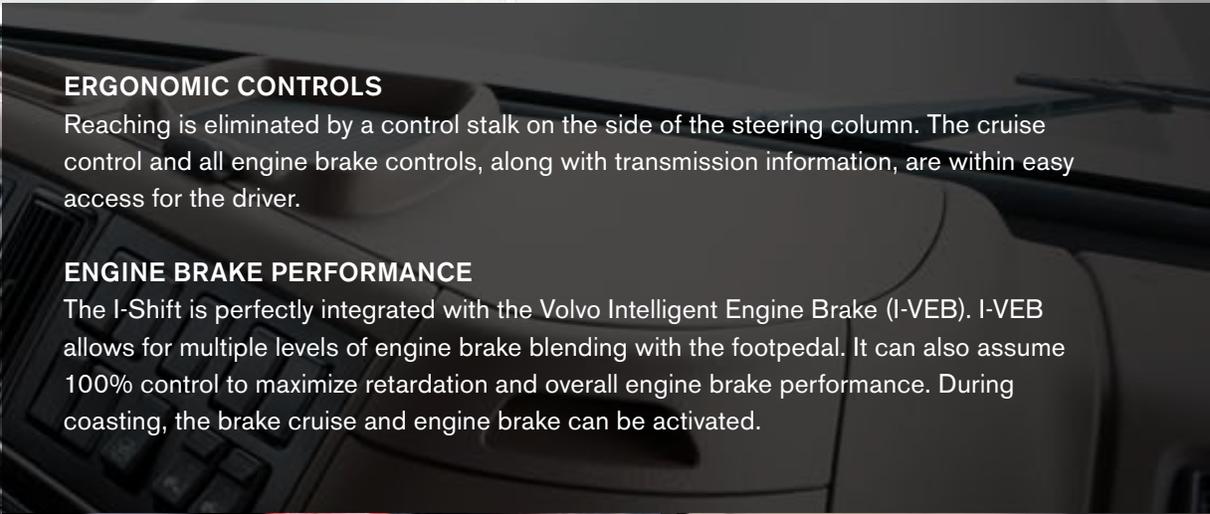


ERGONOMIC CONTROLS

Reaching is eliminated by a control stalk on the side of the steering column. The cruise control and all engine brake controls, along with transmission information, are within easy access for the driver.

ENGINE BRAKE PERFORMANCE

The I-Shift is perfectly integrated with the Volvo Intelligent Engine Brake (I-VEB). I-VEB allows for multiple levels of engine brake blending with the footpedal. It can also assume 100% control to maximize retardation and overall engine brake performance. During coasting, the brake cruise and engine brake can be activated.



UPTIME

We understand that uptime is everything in your business. So we build I-Shift to last and then provide the support you need. Volvo's innovative Remote Diagnostics service and Volvo Action Service are available 24/7 when roadside assistance is required and comes standard for two years on every Volvo truck sold with Volvo Power.

UPGRADEABILITY

I-Shift allows for unlimited torque and engine power settings and can be upgraded at any time with a software update, providing greater flexibility for your applications and greater value at resale.

SERVICE

I-Shift requires minimum service and maintenance. Oil drain intervals for on-highways applications can extend up to 500,000 miles and up to 250,000 for off-road applications. The integrated lube filter provides protection against foreign particles in the transmission, and the actuator is completely sealed. Transmission life is even extended through our pumped lubrication process.

WARRANTY

The Volvo I-Shift transmission is backed by one of the industry's leading warranties: up to 5 years/750,000 miles/15,000 hours on the transmission, and 3 years/300,000 miles/7,500 hours on the clutch.



POWER TO MAXIMIZE EVERY WORKDAY

I-Shift makes it easy to perform multiple tasks, whatever your application. No matter what body type or accessory you drive, Volvo can provide the right power take-off (PTO) to suit your needs. There are three available rear-mounted transmission PTOs with Volvo Powertrain for use with gear pumps, piston pumps or direct drive shaft connections.



VOLVO

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PV835-1013