VOLVO I-SHIFT

The Volvo I-Shift is proven in the field today. The I-Shift is a 12-speed, two pedal, lightweight automated manual transmission (AMT) that delivers an exceptional level of driver productivity. Its ease of operation can help improve fuel efficiency and safety for the driver.

Volvo's I-Shift transmission offers the convenience of an automatic with the performance of a manual. With the I-Shift transmission, you're always in the right gear no matter the payload or terrain. The I-Shift provides quicker shifting during critical load-pulling scenarios and ensures less driver fatigue for optimal productivity.

The I-Shift is ideal for many applications such as line haul, heavy haul, construction, distribution, pick-up and delivery. Volvo offers the I-Shift on all Volvo engines and is applicable for VNL, VNM, VHD and VAH models.

"I-Shift has earned huge compliments from every driver using it. Keeping our drivers more focused keeps them safer, I-Shift does that. It's their favorite transmission!"

Derek Varley
Manager of Fleet Services
Mackie (CANADA)

"Now that we've got the I-Shift, I would never go back. It's so much easier to drive, and the accuracy is so precise no driver could out-shift it."

Allen Bridges
Simpson Performance Racing
Clarksville, Arkansas

BENEFITS	VALUE
Driver Safety	• Driver is more focused and alert • May help reduce accidents
Driver Comfort	• Improved driver retention • Can lower cost of training new drivers
Fuel Efficiency	• Lower operating costs
Enviromental Care	• Lower emissions, reducing carbon footprint
Uptime	• Longer component life • Lower maintenance costs for life of the vehicle • Extended service intervals
Customizable and Upgradability	• More efficient operation of the vehicle which lowers operating costs • Higher residual value
Lightweight	• Improved fuel economy • Maximized payload

Designation	AT2312D	ATO2612D	ATO3112D
Type	2-Pedal AMT Direct Drive	2-Pedal AMT Overdrive	2-Pedal AMT Overdrive
Engine	11L/13L	11L/13L	16L
Torque Capacity	1900	1900	2350
Max Highway GCW (lbs.)	110,000*	125,000*	143,000*
Weight with Clutch	712	712	726
Oil Drain Interval	500,000**		
Gear Selector Positions	R - Reverse, N - Neutral, D - Drive, M - Manual		
Overall Ratio	14.94:1	15.04:1	15.04:1
Forward Gears	12 (Averages 28% between gears versus standard 37%)		
Reverse Gears	2 for normal operation with up to 4 available		
	*Higher GCW with application approval **Line haul operations @ 80,000 GCW		

	Basic Shifter	Premium Shifter		
Features	**Fuel Economy**	**Performance**	**Comprehensive**	**Gentle Shift**
Ergonomic Seat-mounted Shifter	x	x	x	x
Manual Controls		x	x	x
Manual Shifting in Drive Mode		x	x	x
Manual Shifting in Manual Mode	Hold Only Option	x	x	x
Manual Selection of Start Gear		x	x	x
Idle Governor Driving Mode	x	x	x	x
Manual Selection of Idle Driving Gears		x	x	x
Economy Mode	x	x	x	x
Performance/Perfomance Plus (P+) mode		Optional	Optional	Optional
Kick-Down	Optional	Optional	Optional	Optional
Eco-Roll	Optional		Optional	Optional
Engine Brake Perfomance Mode	x	x	x	x
Auto Neutral when Parking Brake Applied	x	x	x	x
Auto Neutral at Key-off, if gear engaged	x	x	x	x
Hill Start Assist	Optional	Optional	Optional	Optional
Standard PTO Features	x	x	x	x
Enhance PTO Features	Optional	Optional	Optional	Optional
Feature Upgradability	Unlimited with Family; Unlimited bewteen Families with Gear Shifter Change			
Engine Torque Upgradability	Unlimited by clutch, transmission and prop shaft			

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