

Access Platform System Retrofit For Cat[®] 16M Motor Grader



Caterpillar introduces an access platform field retrofit package for the 16M Motor Grader. This optional system provides a wraparound platform with rear enclosure walkways, left walkway lighting, rear fenders, primary left rear foldable ladder, and right front secondary egress ladder. The retrofit package provides a safe and sturdy platform for operator access, machine servicing and window cleaning.

The 16M Access Platform is a safe, ergonomic system designed following EMEREST guidelines while meeting CAT quality and durability standards. This retrofit package is serviced by Cat dealers and backed by CAT parts warranty.

This System offers Safety enhancements without compromising machine serviceability.



Access Platform System Retrofit For Cat® 16M Motor Grader

Features vs. Customer Value

Feature	Design Highlights	Customer Value
Rear Inclined Ladder	Folding design	Minimize step height from the ground and prevent damage to the ladder during machine operation.
	Inclined steps	Minimize effort and maximize safety when accessing/egressing the machine.
	Mechanical Balanced Folding operation	Simple and reliable Ladder folding system design, no secondary electrical or hydraulic systems to fail. Requires less than 15 pounds of force to operate.
	Ground level engine shut down switch	Switch relocated to the side of the ladder for maximum accessibility in the event of an emergency.
Improved Walkway	Lighting	Walkway lighting is provided with switches, both at the rear ladder and in the cab, to maximize safety and convenience for the operator.
	Width increase	The walkways over the tandems have been widened for ease of travel and safety. The left side fender has been converted into an approved walking surface.
	Slip resistance	Tread plates have been added over the fender to maximize slip resistance, enhancing safety.
	Full machine range of motion	Walkways have been designed to maintain full tandem oscillation and machine articulation.
	Handrails/Guardrails	Handrails have been added the full length of the walkway to improve operator safety.
	Walkway height increased	The former walkway height was increased to match the fender height and provide improved access to the hydraulic tank fill and shunt tank. The front enclosure doors were also redesigned to provide clearance to match the new walkway height.

Features vs. Customer Value

Feature	Design Highlights	Customer Value
Improved Fenders	Significant improvement in fender mount strength	The mounting structure for the rear fenders has been completely redesigned to improve the structural integrity of the fender. Fenders have all metallic components to withstand mud build-up and increased loading.
Platforms	Grating orientation	Gratings have been angled in two planes to provide maximum visibility for the operator. Supports were strategically placed to limit blind spots.
	Mirror Mounting	Mirrors have been moved outboard to mount on the handrails to maximize visibility.
	Dual platform standard	Platforms surrounding both sides of the cab and engine compartment provide access to all windows and maintenance points to enhance safety during cleanup and maintenance operations.
	Emergency egress path	An emergency egress ladder is included on the right side platform to enhance safety by providing an alternate exit from the cab.
	Handrails/Guardrails	The access platform is fully surrounded by Handrails to improved safety while accessing or servicing the machine.
	Rigid platform mounting	The platform mounting was designed to be a rigid member. Unlike competitive systems, there are no moving parts to fail or wear out and no dependence on hydraulic or electric power to actuate any components. This provides better durability for challenging applications such as mining.
	Redesigned cab door latches	The cab doors have been fitted with foot pedal latch actuators for ease of use. Locking features have been added to allow Cat standard padlocks to be utilized for cab security.
	Cab Air filter and splash fill port access	Hinges and latches are used to maintain easy access to the cab air filter. Access to the splash fill port has been improved.

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Coverage

Machine S/N		Serial # B9H00001 to B9H00581	Serial # B9H00581 to B9H00615	Serial # B9H00616 & up R9H00001 to R9H00557	Serial # R9H00558 to R9H00829	Serial # R9H00830 and up
Kit Part Number	Kit Description					
3990278	Platforms, Handrails, Fenders, Steps and Installation Components	X	X	X	X	X
3990280	Right Hand Walkway	X				
3990281	Engine Enclosure Rear Right Hand Access Door and Access Panels	X	X			
3990282	Engine Enclosure Rear Left Hand Access Door and Access Panels	X	X			
3990284	Engine Enclosure Front Left Hand Access Door and Access Panels	X	X	X		
3990285	Updated Light Package for Fabricated Doors	X	X	X	X	
3990286	Updated Light Package for Stamp Doors					X
3990283	Sound Suppression Components	Optional	Optional	Optional	Optional	Optional

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