

TIP OF THE WEEK

MODEL HD465/605-7E0, HD465/605-8
 FEATURE Automatic Protective Functions
 STD / OPT Standard

The electronic system for HD465/605-7E0 and HD465/605-8 includes automatic functions to protect the machine from identified conditions that could otherwise result in over-run or overloading of the drive train components. These protective functions help extend component life. These functions include:

Protection functions supported by electronic control

Item	Function	Benefit
Downshift Inhibitor	If the operator attempts to downshift to a speed range when the current travel speed is excessive, the downshift is prevented.	Prevents engine over-run condition. Maximizes engine life.
Over-run Inhibitor	If the vehicle speed surpasses the maximum speed for the current gear, the rear brakes are automatically applied to reduce travel speed.	Prevents over-run conditions for the engine, torque converter, and transmission. Extends component life.
Forward/Reverse Shift Inhibitor	If machine speed is greater than 2.5 mph (4.0 kph), change of travel direction is not allowed until the speed is reduced.	Prevents powertrain overload. Extends powertrain life.
Neutral Coast Inhibitor	If machine speed is greater than 2.5 mph (4.0 kph), shifting to "NEUTRAL" is prevented.	Provides improved control to manage travel speed of the truck.
	If the transmission is in NEUTRAL and the travel speed exceeds 10.6 mph (17 kph), a suitable gear range is automatically selected.	

The machine's electronic control system continuously monitors machine operating conditions and automatically applies protective functions as necessary, without input from the operator. These functions facilitate improved machine durability and reliability, particularly for the engine and transmission assemblies.

For additional information, please consult the Product Bulletin, Operator's Manual or Shop Manual. Photos may include optional equipment.

