



**mDRIVE™**

# BUILT FOR PRECISION SHIFTING.



The Mack mDRIVE® transmission is an automated manual transmission built for Mack Pinnacle™ tractors. This 12-speed, two-pedal transmission not only delivers smooth shifts every time, but also maximizes driver comfort, payload and fuel economy.

[MackTrucks.com](http://MackTrucks.com)

**BORN READY.**

# MACK *m*DRIVE® TRANSMISSION

With the *m*DRIVE automated manual transmission, there's no clutch pedal, and the shifting is operated by intelligent electronics. Its advanced technology continuously monitors changes in grade, vehicle speed, acceleration, torque demand, weight and air resistance to increase efficiency on every drive.

The *m*DRIVE transmission includes an impressive base torque input capacity of 1,920 lb.-ft. and is offered with Direct Drive or Overdrive. It can also accommodate three rear transmission PTO mounting options.



## **AUTO NEUTRAL**

The transmission shifts to neutral if the engine is turned off to prevent accidentally starting the truck while in gear. When the parking brake is applied and the transmission is left in gear, it will automatically shift to neutral after four minutes to reduce the load on the drive train.

## **GRADE GRIPPER**

On a grade, it holds the service brake for three seconds until the throttle is applied.

## **GEAR SELECTION ADJUSTMENT**

The starting gear and driving gear can be manually selected by using the plus or minus buttons on the premium shift pad.

## **POWERLEASH™ ENGINE BRAKE**

The control logic of the PowerLeash engine brake will automatically downshift the *m*DRIVE transmission for maximum engine brake performance. Also, in Auto mode, a target-retarding MPH can be set (when not in cruise control) to maintain a desired downhill speed.

---

## **EASY TO OPERATE**

The *m*DRIVE transmission makes it simple and comfortable to drive a Pinnacle™ truck, opening up a larger pool of drivers.

---

## **SEAMLESS INTEGRATION**

The *m*DRIVE integrates seamlessly with the Mack MP®7 and MP®8 engines in the Econodyne® and MaxiCruise™ families. With the engine and transmission in constant communication, there's no compromising—*m*DRIVE automatically selects the best gear for the engine.

## **EASY SHIFT**

Provides smooth, precise and less aggressive shifting. It is recommended for livestock hauling, liquid bulk haul and similar applications where load shifting must be minimized.

## **LOW-SPEED MODULATION CONTROL**

Provides smooth, low-speed control at idle speed without the use of the accelerator pedal, allowing for smooth, low-speed operation.

## **MACKCELLERATOR™**

Increase engine RPM while automatically downshifting the transmission and accelerating to enable a safe and quick passing maneuver. This keeps the driver's hands on the wheel and eyes on the road.

---

## **MINIMIZED SERVICE**

The *m*DRIVE is based on proven technology that requires minimal service and significantly reduces maintenance costs.

---

## **REDUCED WEAR AND TEAR**

*m*DRIVE's constant monitoring and intelligent shift strategies means there is less stress on the driveline, resulting in a longer life for your transmission.