To activate the PowerLeash+™ Engine Brake, utilize the following dash switches:

**CONTROL SWITCH:** The Mack 3 position CONTROL SWITCH', located to the left (as shown above), is used to turn the engine brake function from OFF to 50% ON (mid position) or, to set maximum (100%) braking effort. As always, the engine brake will activate automatically when the accelerator pedal is released, unless a set speed has been entered (see below).

**SET SWITCH:** The set switch is used to either set the ‘Cruise’n Brake’ overspeed threshold, or to set the downhill target speed. ‘Cruise’n Brake’ normally activates the engine brake at 3 mph above the cruise control target set speed. Use the SET +/- switch to set a higher (+) or lower (-) value, based on driver preference.

The new downhill cruise feature works like a cruise control for the engine brake. To set a downhill target speed, press and hold the SET +/- switch until the desired target speed is shown on Co-Pilot. Braking effort will then vary automatically from 0% to 100% in an attempt to hold that speed.
MaxBrake Button (mDRIVE): If equipped with an mDRIVE transmission, press the MaxBrake button to automatically place the engine in its optimum speed (1700-2100 rpm) range for downhill braking. Accelerator pedal application or pressing the MaxBrake button will automatically cancel this mode.

Co-Pilot: The Co-Pilot driver information display automatically shows both the current Cruise Control and Powerleash+ target set speeds. Press and release the Cruise Control and PowerLeash SET switches to change these values. On the new Co-Pilot ‘home’ screen, digital MPH and two driver selectable digital gauges are also shown.

Powerleash+ operational notes:

Note: Powerleash+ will not operate if the Powerleash + control switch is in the OFF position.

Note: If equipped with a Mack Active Cruise Control with Braking (Bendix Wingman Advanced), the engine brake may engage even if the Powerleash+ control switch is off, in order to help maintain a safe following distance between vehicles.

Note: If Powerleash+ control switch is on and the Powerleash+ set switch is not used, the engine brake will activate automatically upon accelerator pedal release, per normal Mack operation.

Note: When using the SET buttons to set a downhill target set speed, this target MPH is automatically retained in memory even when the accelerator pedal is reapplied. To change the target downhill speed, simply use the Powerleash+ set switch. The target speed is also automatically erased if the engine brake control switch is turned off, vehicle speed goes below 30 mph, or the ignition switch is cycled.

Note: For mDRIVE users, when PowerLeash+ is activated and the transmission is shifting gears, there will be a momentary interruption of the braking torque.

Note: In order to obtain the greatest possible down shifting before ascending any steep hill:

1. Preset the main Powerleash+ control switch to 100% (on).
2. Release the accelerator pedal, OR, if using the downhill cruise feature, decrease the target downhill speed to a safe descending MPH by using the SET switch.
3. If mDRIVE equipped, press the keypad ‘B’ mode button to place the engine in its optimum RPM range. The transmission will automatically stay in this mode until the accelerator pedal is pressed or 3rd gear is achieved.