

**REMOTE CONTROL UNIT (RCU) - Optional**

The RCU can only be used when the vehicle is stationary.

**KEY FUNCTIONS****REMOTE CONTROL ON/OFF key**

Pressing the ON/OFF key once will turn the remote control on. The light above will illuminate indicating that the remote is active. Re-pressing the key will turn the remote control and light off.

**MEMORY1 and MEMORY2**

Pressing the STOP key and one of the memory keys (M1 or M2) simultaneously will store the vehicle's current level in the OptiRide-ECU. To recall the stored level, push the corresponding memory key (M1 or M2).

**NORMAL LEVEL key**

Pressing the NORMAL LEVEL key will return the vehicle to normal ride height.

**STOP key**

Pressing the red STOP key will interrupt all adjustments caused by the remote control unit.

**RAISING/  
LOWERING key**  
Pressing the appropriate arrow key will raise or lower vehicle level.

**TIPS FOR DRIVING 6X2 WITH OPTIRIDE**

- OptiRide enhances the performance of a 6x2 and does not replace driver training.
- Plan ahead when parking or operating any 6x2 tractor; surface conditions and grades will affect wheel slip during acceleration. Tractor configuration, bobtail or empty trailer should also be considered.
- When low traction starting conditions are present, manually select load transfer (optional feature) before starting in motion and activate the differential lock. (Refer to OEM manual instructions)
- When starting on uneven surface (drive axle lower than the tag axle) manually activate load transfer and raise the suspension to maximum height. Then apply light steady acceleration to minimize torque and wheel spin.
- Transition to "Creep Mode" if available or other torque reduction options including light steady acceleration or a higher gear selection when accelerating in a 6x2.
- If traction is lost, momentarily eliminate or reduce throttle input allowing OptiRide to complete the load transfer (if not manually started), this will assist in regaining traction. Gently apply throttle to minimize the torque applied.

**Note: Please refer to the OEM Operator's Manual for more information**

**ABOUT WABCO**

**WABCO** (NYSE: WBC) is a leading global supplier of technologies and services that improve the safety, efficiency and connectivity of commercial vehicles. Founded nearly 150 years ago as the "Westinghouse Air Brake Company," WABCO continues to pioneer breakthrough innovations for advanced driver assistance, braking, stability control, suspension, transmission automation and aerodynamics. WABCO reported sales of \$3.3 billion in 2017 and has 15,000 employees in 40 countries. For more information, visit:

[www.wabco-na.com](http://www.wabco-na.com)

**OptiRide™**

ELECTRICALLY CONTROLLED  
AIR SUSPENSION

**Driver Tips**

For further product details contact your distributor or the WABCO Customer Care Center at 855-228-3203.

## DRIVER TIPS

This guide applies to tractors equipped with the Electronically Controlled Air Suspension (OptiRide) system. OptiRide enhances the function of the vehicle's air suspension. OptiRide works in conjunction with WABCO 6S/6M ABS/ATC.

### SYSTEM FEATURES

**Automatic Load Transfer (Traction Help)** — When wheel slippage is detected by the vehicle's ABS (due to slippery road surface conditions), OptiRide can transfer weight - depending on load conditions - from the vehicle's non-driven (tag) axle to the driven axle by changing air pressures in the suspension air bags, thus improving traction.

**Automatic Level Control** — OptiRide continually monitors the vehicle's ride height (axle-to-frame distances) through signals from the height sensor. This sensor information is processed in the OptiRide Electronic Control Unit (ECU) and signals are sent to the air valves to alter the ride height when necessary.

**Driver-Controlled Level Adjustment** — Apart from the normal ride height (which is preset by the OEM) the driver can select additional stationary suspension heights.

### SYSTEM LIGHTS AND CONTROLS

#### DASH LIGHTS

The OptiRide dash indicator lamps provide system and operating status information. When the vehicle ignition is turned on, the lamps will come on briefly (approximately two seconds) for a bulb check and then go off. If an OptiRide lamp stays on at ignition, or comes on during normal vehicle operation, use the following guidelines to determine what action should be taken.

**Note: The location and appearance of these lamps will vary by manufacturer. Please refer to the Original Equipment Manufacturer (OEM) Driver's/Operator's Manual.**

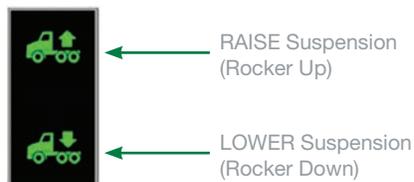
**Red Lamp** — Indicates an OptiRide active fault. Have the vehicle serviced as soon as possible upon completion of the trip. Some system features may not operate with an Active Fault. Please use caution.

**Amber Lamp** — Indicates suspension is outside of the normal ride height level- Push Inflation Level Rocker Switch, or push NORMAL LEVEL (green) button on remote to return to normal ride height.



### INFLATION LEVER ROCKER SWITCH

When the vehicle's ignition is turned on, the air suspension will inflate to normal ride height.



**Note: The location and appearance of this switch will vary by manufacturer. Please refer to the OEM Operator Manual.**

If the suspension is outside normal ride height (amber lamp on), the OptiRide system will automatically return the suspension to normal ride height when vehicle speed reaches or exceeds a speed set by OEM (usually 5 mph).

OptiRide Height Status	Selecting then releasing RAISE or LOWER
Normal ride height (amber lamp off)	<b>RAISE</b> - will raise the suspension by allowing you to momentarily press the switch for desired height. The suspension will not automatically rise to the highest threshold. (amber lamp will light)
	<b>LOWER</b> - will lower the suspension to the lowest threshold unless the switch is momentarily pressed again. This will allow height selection between normal and lowest threshold. (amber lamp will light)
Lowered from normal ride height (amber lamp on)	<b>RAISE</b> - will return suspension to normal ride height. (amber lamp will turn off)
	<b>LOWER</b> - will lower the suspension to the lowest threshold unless the switch is momentarily pressed again. This will allow height selection between normal and lowest threshold. (amber lamp will stay lit)
Raised from normal ride height (amber lamp on)	<b>RAISE</b> - will raise the suspension by allowing you to momentarily press the switch for desired height. The suspension will not automatically raise to the highest threshold. (amber lamp will stay lit)
	<b>LOWER</b> - will return suspension to normal ride height. (amber lamp will turn off)

### MANUAL LOAD TRANSFER SWITCH - (Optional Feature)

This switch will control the Manual Load Transfer function by adjusting suspension air pressure. The switch can be pushed down to transfer air (and weight load) from a balanced distribution to a drive axle biased load distribution as currently set by the OEM for optimum performance.

The purpose of this switch is to aid the driver in minimizing wheel slippage before the slippage occurs. By pressing and holding the switch down for 4 seconds, the driver will be able to manually deactivate both Manual and Automatic Load Transfer. If the driver is aware of road conditions where traction may be a concern, the driver can press the Manual Load Transfer switch before the situation occurs. This feature is only available below 18 mph. If the driver does not press the Manual Load Transfer switch before the wheel slippage occurs, the OptiRide system will automatically transfer axle load once wheel slippage is detected. At maximum set speed, the OptiRide system will automatically distribute axle load back to a balanced drive to tag axle distribution (maximum speed is set by OEM, usually 25 mph).

**Note: Please refer to the OEM Operator's Manual for more information**

### KEY OFF STANDBY MODE

In Key Off Standby Mode, OptiRide remains powered on for one hour after the ignition is turned off, and will adjust to level/load changes during this time. You can deactivate this feature through either the dash switch or the remote control unit (RCU), depending on which you have installed on your vehicle. To deactivate the Key Off Stand By Mode through the Switch Control System, quickly cycle the key back to off. To deactivate it using the Remote Control Unit, press and hold the STOP button during the Key Off Standby Mode.

**CAUTION: Prior to replacing or working on OptiRide components, it is crucial to verify that the Key Off Standby Mode is deactivated. To verify Key Off Standby mode is inactive, attempt to lower or raise the suspension.**

