Driver Tips

Pre-trip Inspection

Walk around the vehicle and listen for escaping air. If you hear escaping air, take the vehicle in for service. Check to see that the vehicle is at the normal ride level. If the vehicle is not at normal ride level, use the NORMAL/RECOVER switch to obtain normal ride level.

When the Ignition Is Turned On

Make sure all of the ECAS lamps come on briefly at vehicle ignition and then go out.

During Normal Operation

Pay attention to the ECAS status lamps to make sure the system is operating properly.
If the system is equipped with an audible alarm, listen for any warning buzzers.

Safety Provisions

When working under the coach, **always block the body of the coach.**
To override ECAS:

- Turn ignition switch OFF
- Disconnect the battery
- Unplug the ECU

Always **check for obstructions** before making a ride height adjustment

Other Information for Drivers

- Pamphlet — *ABS Driver Tips* (SP-93161)
- Audiotape — *How to Brake with ABS* (SP-94126)
- Video — *What Every Driver Should Know About ABS* (T-96159V)
- Video — *What Every Driver Should Know About Automatic Traction Control* [ATC] (T-9785V)

To order literature or for more information, call:

800-535-5560

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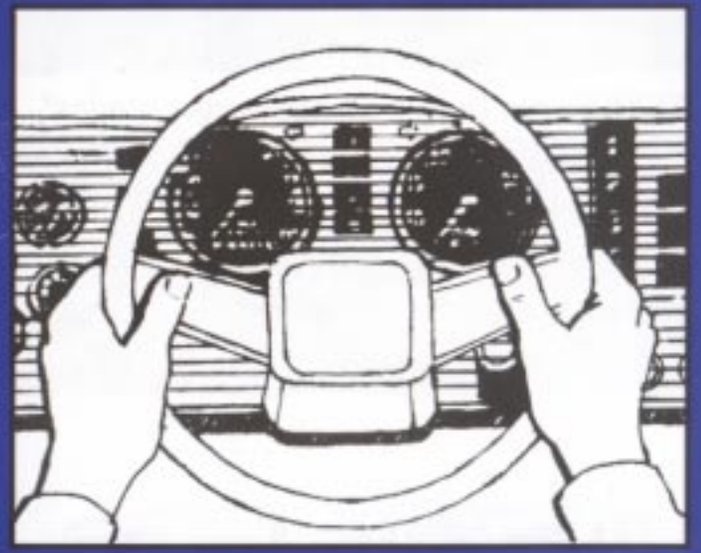
ECAS

for Buses and Coaches
DRIVER TIPS

MERITOR WABCO



What Is ECAS?

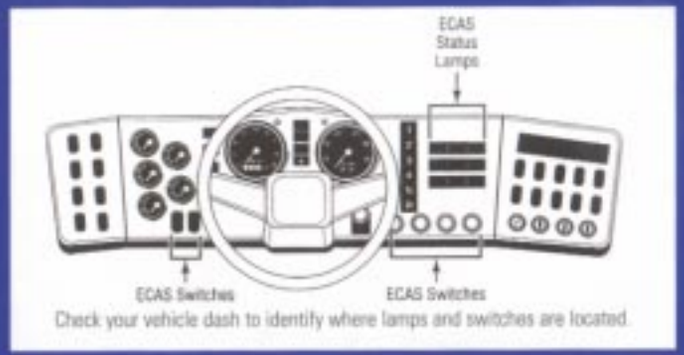
ECAS stands for "Electronically Controlled Air Suspension," and its purpose is to enhance the function of the vehicle's air suspension by providing such features as:

- Automatic ride adjustment as load distributions change
- Manual low and high ride height adjustment for unusual road conditions such as steep driveways or low canopies
- Automatic or manual kneeling function to accommodate passengers boarding or exiting the vehicle
- Height limiting function to prevent accidental overinflating of the air suspension bellows when adjusting vehicle height

ECAS Status Lamps, Switches, and Alarms*

The dash indicator lamps provide ECAS status information and the control switches provide easy access to system functions such as kneeling or ride height adjustment.

The location or color of these lamps and switches will vary by manufacturer. Please refer to the vehicle specifications for specific locations.



Check your vehicle dash to identify where lamps and switches are located.

When the vehicle ignition is turned on, the lamps will come on briefly — about two seconds — for a bulb check and then go off. If an ECAS lamp does not light, have the bulb checked before you start your trip. (Note: The ECAS will work only when the ignition is on.)

*Some vehicles may be equipped with an audible alarm. Refer to the vehicle specifications for information about this option.

If an ECAS lamp stays on at ignition, or comes on during normal vehicle operation, use the following chart to determine what action should be taken.

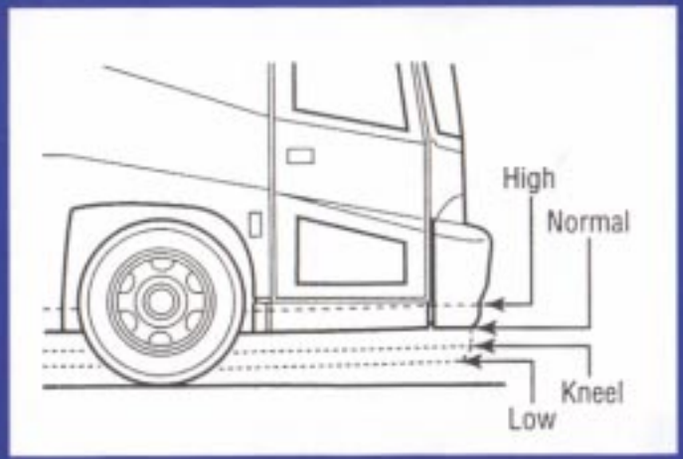
Lamps and Alarms	If Lamp Comes On	Driver Action
ECAS System Status Indicator Lamp (RED)	ECAS system fault exists.	Have the vehicle serviced as soon as possible upon completion of trip.
ECAS Function Indicator Lamp (YELLOW)	Vehicle is not at the normal ride level.	Push NORMAL/RECOVER level switch to return to normal ride level.
Kneeling Indicator Lamp (KNEEL)	Bus is in kneeling position.	Push NORMAL/RECOVER level switch to return to normal ride level.

ECAS System Control Switches

The NORMAL/INDICATOR ride level switch lets you return to normal ride level.

The LOW/HIGH RIDE switch lets you adjust the ride height to accommodate road conditions such as speed bumps or lower height to avoid awnings and under passes.

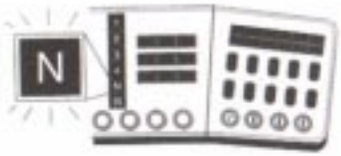
The STOP switch is used to stop ECAS functions. For example, pressing this switch will stop the kneeling function when there is an obstruction such as a high curb.



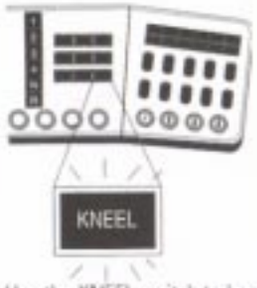
Before Selecting the Kneeling Function

Make sure the door is fully closed.

Apply the parking brake.



Shift the transmission into NEUTRAL.



Use the KNEEL switch to kneel the vehicle.

Towing Procedures

When towing is required, use hydraulic boom-type towing equipment or a flat-deck trailer. If hydraulic boom equipment is used, tow coach with engine running to power and supply air to the ECAS. If this is not possible, the ignition switch should be on so that the tow provision air connection maintains height. ECAS without power will close all solenoids and hold existing air in the bellows. If there are no air leaks in the system, the current ride height will be held. Always monitor ride height from the tow vehicle.