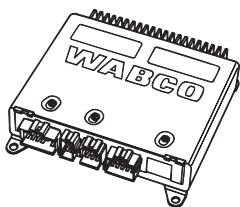


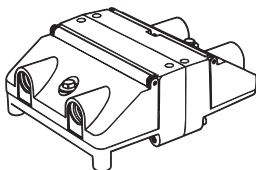
# WABCO

## 24-Volt ABS Blink Code Identification Guide

### ECU Identification



CAB MOUNTED



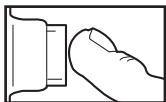
FRAME MOUNTED



BASIC

For further information refer to Maintenance Manual 30.  
WABCO North America Customer Care at 855-228-2303

# Instructions



Pause 1.5 sec.



Pause 1.5 sec.



Pause 4 sec.  
Repeat Code.

1. Hold 1 Second. Light is ON.

2. Count Flashes for 1st Digit  
(1-8).

3. Count Flashes for 2nd Digit  
(1-6).

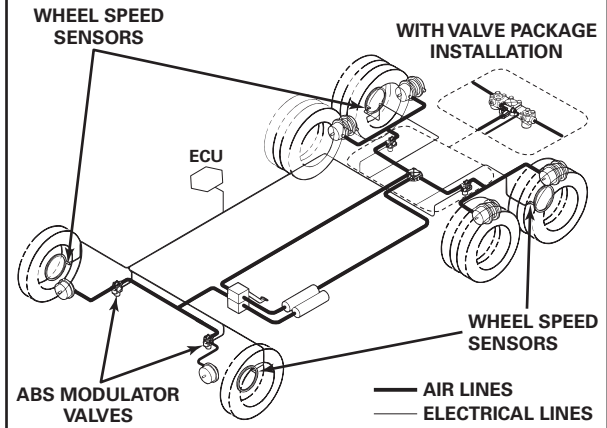
4. Match **Blink Code** left.  
Read **Troubleshooting  
and Repair**.

## \*1-6 Key

- 1 Right front steer axle  
(curb side)
- 2 Left front steer axle  
(driver's side)
- 3 Right forward/rear tandem drive axle  
(curb side)
- 4 Left forward/rear tandem drive axle  
(driver's side)
- 5 Right rear/rear tandem drive axle  
(curb side)
- 6 Left rear/rear tandem drive axle  
(driver's side)

<b>Blink Code</b>		<b>Troubleshooting and Repair</b>
<b>1st Digit</b>	<b>2nd Digit</b>	<b>Action Required</b>
<b>1</b>	<b>1</b>	System Okay.
<b>2</b>	<b>1-6*</b>	Check ABS Modulator valve, valve cable, and connectors. Verify 11-21 ohms resistance (ABS modulator valve).
<b>3</b>	<b>1-6*</b>	Adjust wheel sensor to touch tooth wheel. Check sensor gap. Check for loose wheel bearings or excessive hub runout. Verify minimum 0.2 volts AC output @ 30 RPM.
<b>4</b>	<b>1-6*</b>	Check sensor, sensor cable, and connectors. Verify 900-2000 ohms resistance.
<b>5</b>	<b>1-6*</b>	Check for tire size mismatch or tooth wheel difference.
<b>6</b>	<b>1-6*</b>	Check for damaged tooth wheel.
<b>7</b>	<b>1</b>	Check for proper data link connection (J1922 and J1939).
<b>7</b>	<b>2</b>	Check ATC Valve, valve cables, and connectors. Verify 28-49 ohms resistance.
<b>7</b>	<b>3</b>	Check brake relay connections.
<b>7</b>	<b>4</b>	Check ABS warning light connections.
<b>7</b>	<b>5</b>	Verify proper ATC set-up. Reconfigure if required..
<b>7</b>	<b>6</b>	Verify accuracy of blink code and clear from ECU memory.
<b>8</b>	<b>1</b>	Check vehicle voltage and supply to ECU (18-30 volts).
<b>8</b>	<b>2</b>	Check vehicle voltage (18-30 volts). Verify accuracy of blink code and clear from ECU memory.
<b>8</b>	<b>3</b>	Verify accuracy of blink code and clear from ECU memory.
<b>8</b>	<b>4</b>	Verify accuracy of blink code and clear from ECU memory. If code does not clear, it may be necessary to reconfigure or replace the ECU.
<b>8</b>	<b>5</b>	Check ABS ground connections.

# D Version System Configuration Layout 4S/4M ABS



## WABCO

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