

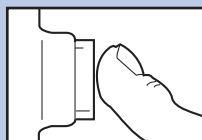
MERITOR WABCO

D and E Version ABS (12 volt) Blink Code Identification Guide

1st Digit	2nd Digit	TROUBLESHOOTING AND REPAIR
1	1	System O.K.
2	1-6*	Check ABS modulator valve, valve cable and connectors. Verify 4.0-9.0 ohms resistance (ABS modulator valve).
3	1-6*	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.
4	1-6*	Check sensor, sensor cable and connectors. Verify 900-2000 ohms resistance.
5	1-6*	Check for tire size mismatch or tooth wheel difference. Check sensor, sensor cable and connector for intermittent contact.
6	1-6*	Check for damaged tooth wheel.
7	1	Check for correct data link connection: J1922 and J1939 (D version) or J1939 (E version). Verify correct sensor adjustment.
7	2	Check ATC valve, valve cables and connectors. Verify 7.0-14.0 ohms resistance.
7	3	Check retarder (third brake) connections.
7	4	Check ABS indicator lamp connections. Verify blink code switch was activated longer than 16 seconds.
7	5	Verify correct ATC set-up. Reconfigure if required.
7	6	Verify accuracy of blink code and clear from ECU memory. <u>E Version:</u> Check RSC valve. Verify 7.0-14.0 ohms resistance.
8	1	Check vehicle voltage and supply to ECU (9.5-14.0 volts).
8	2	Check vehicle voltage (9.5-14.0 volts). Verify accuracy of blink code and clear from ECU memory.
8	3	Verify accuracy of blink code and clear from ECU memory.
8	4	Verify all ECU connectors are in place. Verify accuracy of blink code and clear from ECU memory. <i>If code does not clear, it may be necessary to reconfigure or replace the ECU.</i>
8	5	<u>D Version:</u> Full function, cab-mounted only. Check all ABS valve ground connections for diagonals 1 and 2 (open, shorted to ground or shorted to battery). <u>E Version:</u> Check all ABS ECU and ATC valve grounds.
8	6	<u>E Version:</u> Verify accuracy of blink code and clear from ECU memory. Contact ArvinMeritor's Customer Service Center at 800-535-5560.

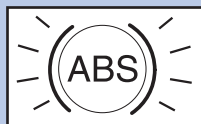
INSTRUCTIONS

1. Hold 1 Second.
Light is ON.



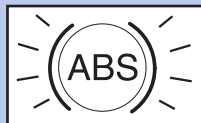
Pause 1.5 Seconds

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



Pause 1.5 Seconds

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



*Pause 4 Seconds
Repeat Code*

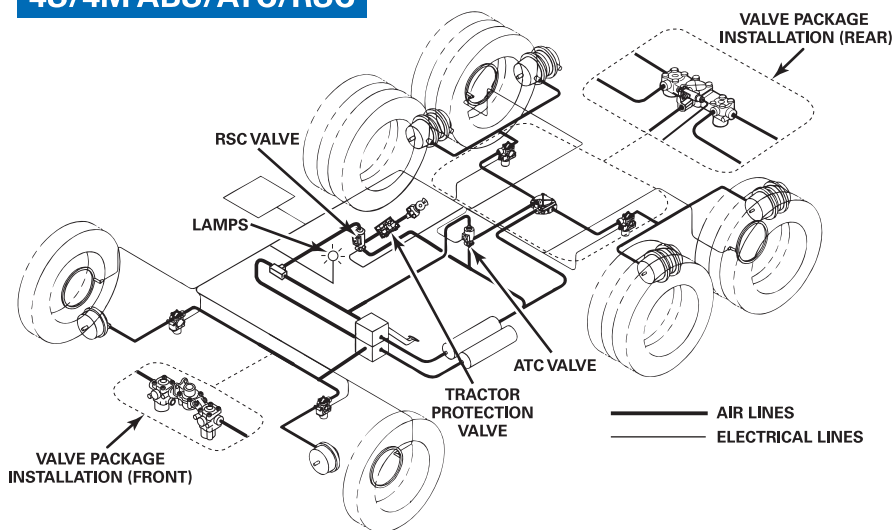
4. Match **Blink Code** left. Read **Troubleshooting and Repair.**

* 1-6 Key

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

System Configuration Layout

4S/4M ABS/ATC/RSC

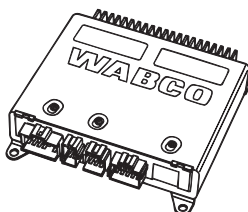


ECU Identification

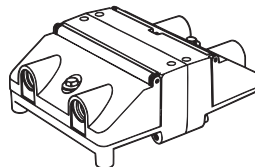
D Version



Basic ECU



Cab-Mounted ECU

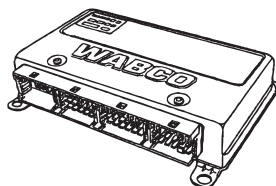


Frame-Mounted ECU

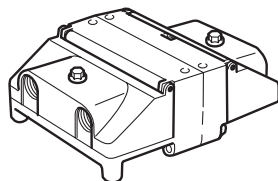
E Version



Basic ECU



Universal ECU



Frame-Mounted ECU

For further information, refer to Maintenance Manual 30 (D Version ABS) or Maintenance Manual 0112 (E Version ABS) or call:

800-535-5560

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