WABCO ABS FAULT CODES

https://truck-manuals.jimdo.com/wabco-fault-codes/

SID FMI Blink
Code FAULT Universal
pin/plug
BASIC,
pin/plug
FRAME
pin/plug
Faultindication
E-FRAME, E-Universal
COMMENT (REACTION) Cause Action

Wheel Sensor left front
0 1 3 + 2 air gap 12;15/18 12;15/18 7..8/x2 WL ABS: wheel disabled
ASR, RSC, RSA: disabled
air gap too large, sensor output voltage too low
but just exceeds trigger level
Check bearing play, polewheel run out, push sensor to
polewheel.
1 2 5 + 2 incorrect tyre 12;15/18 12;15/18 7..8/x2 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
such proportion of tyre diameter/ pole wheel teeth
number that wheel speed difference within front
axle > 10 % or difference within wheels of different
axles > 19 %. Pneus or number of polewheel
teeth are different.
Check wheel circumference and number of polewheel
1 3 4 + 2 shorted to UBATT 12;15/18 12;15/18 7..8/x2 WL ABS: wheel disabled
ASR, RSC, RSA: disabled
DC voltage detected. Short circuit or impedance
to battery voltage.
Check sensor wiring..
1 4 4 + 2 shorted to ground 12;15/18 12;15/18 7..8/x2 WL ABS: wheel disabled
ASR, RSC, RSA: disabled
Short circuit to ground is detected. Check Sensor wiring, replace Sensor if necessary.
1 5 4 + 2 open circuit 12;15/18 12;15/18 7..8/x2 WL ABS: wheel disabled
ASR, RSC, RSA: disabled
Open circuit is detected Check Sensor wiring, replace Sensor if necessary.
1 6 4 + 2 short circuit 12;15/18 12;15/18 7..8/x2 WL ABS: wheel disabled
ASR, RSC, RSA: disabled
Short circuit between sensorwires IG/IGM is
detected
Check Sensor wiring, replace Sensor if necessary.
1 7 6 + 2 incorrect pole wheel 12;15/18 12;15/18 7..8/x2 WL ABS: wheel disabled
ASR, RSC, RSA: disabled
Cyclic drop out detected at speed higher than 10
km/h. Several wheel revolution necessary.
Check polewheel for damages / missing teeth. Use
WABCO sensor probe. Replace polewheel if not checked
o.k. If additional airgap faults are stored, adjust airgap.
1 8 3 + 2 slip 12;15/18 12;15/18 7..8/x2 WL ABS: wheel disabled
ASR, RSC, RSA: disabled
16 sec. slip duration detected.
Adjust airgap. Other possible reasons: gear engaged at slippery conditions or modulator valve does not work correctly.

1 9 5 + 2 wires mismatched 12;15/18 12;15/18 7..8/x2 WL ABS: wheel disabled
ASR, RSC, RSA: disabled
Wire IG or IGM of another sensor is detected. Check for mismatch-fault of another sensor. Correct harness.

1 10 3 + 2 speed drop-out 12;15/18 12;15/18 7..8/x2 WL ABS: wheel disabled
ASR, RSC, RSA: disabled
Temporarily loss of wheel speed signal. Air gap too large, sensor voltage exceeds trigger level at too late.
Adjust airgap. Check sensor wiring and connectors for intermittent contact. Turn the wheel and read out amplitudes of sensor signals and compare with required values.

1 11 5 + 2 abnormal speed (chatter) 12;15/18 12;15/18 7..8/x2 WL ABS: partial disabled
ASR, RSC, RSA: disabled
with standard parameterset not as fault interpreted. FMI 11 not stored.
Brake squeezes or chatters.
NO repair instruction. Check sensor wiring and connectors for intermittent contact. Check toothed wheel for damages. Read out amplitudes of sensor signals and compare with required values.

1 12 5 + 2 frequency too high 12;15/18 12;15/18 7..8/x2 WL ABS: wheel disabled
ASR, RSC, RSA: disabled
non plausible sensor frequency measured.
Check sensor wiring and connectors for intermittent contact. Check whether brake squeezes. Change ELECTRONIC if fault occurrence repeats without brake squeezing.

SID FMI Blink
Code FAULT Universal
pin/plug BASIC,
pin/plug FRAME
pin/plug Faultindication E-FRAME, E-Universal
COMMENT (REACTION) Cause Action

Wheel Sensor right front
2 1 3 + 1 air gap 10;13/18 10;13/18 5..6/x2 WL ABS: wheel disabled
ASR, RSC, RSA: disabled
air gap too large, sensor output voltage too low but just exceeds trigger level
Check bearing play, polewheel run out, push sensor to polewheel.
2 2 5 + 1 incorrect tyre 10;13/18 10;13/18 5..6/x2 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
such proportion of tyre diameter/ pole wheel teeth
number that wheel speed difference within front
axle > 10 % or difference within wheels of different
axles > 19 %. Pneus or number of polewheel
teeth are different.
Check wheel circumference and number of polewheel
teeth
2 3 4 + 1 shorted to UBATT 10;13/18 10;13/18 5..6/x2 WL ABS: wheel disabled
ASR, RSC, RSA: disabled
DC voltage detected. Short circuit or impedance
to battery voltage.
Check sensor wiring..
2 4 4 + 1 shorted to ground 10;13/18 10;13/18 5..6/x2 WL ABS: wheel disabled
ASR, RSC, RSA: disabled
Short circuit to ground is detected. Check Sensor wiring, replace Sensor if necessary.
2 5 4 + 1 open circuit 10;13/18 10;13/18 5..6/x2 WL ABS: wheel disabled
ASR, RSC, RSA: disabled
Open circuit is detected. Check Sensor wiring, replace Sensor if necessary.
2 6 4 + 1 short circuit 10;13/18 10;13/18 5..6/x2 WL ABS: wheel disabled
ASR, RSC, RSA: disabled
Short circuit between sensorwires IG/IGM is
detected
Check Sensor wiring, replace Sensor if necessary.
2 7 6 + 1 incorrect pole wheel 10;13/18 10;13/18 5..6/x2 WL ABS: wheel disabled
ASR, RSC, RSA: disabled
Cyclic drop out detected at speed higher than 10
km/h. Several wheel revolution necessary.
Check polewheel for damages / missing teeth. Use
WABCO sensor probe. Replace polewheel if not checked
O.K. If additional airgap faults are stored, adjust airgap.
2 8 3 + 1 slip 10;13/18 10;13/18 5..6/x2 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled 16 sec. slip duration detected.
Adjust airgap. Other possible reasons: gear engaged at
slippery conditions or modulator valve does not work
correctly.
2 9 5 + 1 wires mismatched 10;13/18 10;13/18 5..6/x2 WL ABS: wheel disabled
ASR, RSC, RSA: disabled
Wire IG or IGM of another sensor is detected. Check for mismatch-fault of another sensor. Correct
harness.
2 10 3 + 1 speed drop-out 10;13/18 10;13/18 5..6/x2 WL ABS: wheel disabled
ASR, RSC, RSA: disabled
Temporarily loss of wheel speed signal. Air gap
too large, sensor voltage exceeds trigger level at
too late.
Adjust airgap. Check sensor wiring and connectors for
intermittent contact. Turn the wheel and read out
amplitudes of sensor signals and compare with required
values.
2 11 5 + 1 abnormal speed 10;13/18 10;13/18 5..6/x2 WL
ABS: partial disabled
ASR, RSC, RSA: disabled
with standard parameterset not
Brake squeezes or chatters.
NO repair instruction. Check sensor wiring and connectors for intermittent contact. Check toothed wheel for damages. Read out amplitudes of sensor signals and compare with required values.

2 12 5 + 1 frequency too high 10;13/18 10;13/18 5..6/x2 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled non plausible sensor frequency measured.
Check sensor wiring and connectors for intermittent contact. Change ELECTRONIC if fault occurrence repeats.

SID FMI Blink
Code FAULT Universal
pin/plug
BASIC, pin/plug
FRAME pin/plug
Fault indication E-FRAME, E-Universal
COMMENT (REACTION) Cause Action

Wheel Sensor left rear
3 1 3 + 4 air gap 11;14/18 11;14/18 1..2/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
air gap too large, sensor output voltage too low but just exceeds trigger level
Check bearing play, polewheel run out, push sensor to polewheel.

3 2 5 + 4 incorrect tyre 11;14/18 11;14/18 1..2/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
such proportion of tyre diameter/ pole wheel teeth number that wheel speed difference within front axle > 10 % or difference within wheels of different axles > 19 %. Pneus or number of polewheel teeth are different.
Check wheel circumference and number of polewheel teeth

3 3 4 + 4 shorted to UBATT 11;14/18 11;14/18 1..2/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
DC voltage detected. Short circuit or impedance to battery voltage. Check sensor wiring..

3 4 4 + 4 shorted to ground 11;14/18 11;14/18 1..2/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
Short circuit to ground is detected. Check Sensor wiring, replace Sensor if necessary.

3 5 4 + 4 open circuit 11;14/18 11;14/18 1..2/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
Open circuit is detected. Check Sensor wiring, replace Sensor if necessary.

3 6 4 + 4 short circuit 11;14/18 11;14/18 1..2/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
Short circuit between sensor wires IG/IGM is detected. Check Sensor wiring, replace Sensor if necessary.

3 7 6 + 4 incorrect pole wheel 11;14/18 11;14/18 1..2/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
Cyclic drop out detected at speed higher than 10 km/h. Several wheel revolution necessary.
Check pole wheel for damages / missing teeth. Use WABCO sensor probe. Replace pole wheel if not checked o.k. If additional airgap faults are stored, adjust airgap.

3 8 3 + 4 slip 11;14/18 11;14/18 1..2/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
16 sec. slip duration detected.
Adjust airgap. Other possible reasons: gear engaged at slippery conditions or modulator valve does not work correctly.

3 9 5 + 4 wires mismatched 11;14/18 11;14/18 1..2/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
Wire IG or IGM of another sensor is detected.
Check for mismatch-fault of another sensor. Correct harness.

3 10 3 + 4 speed drop-out 11;14/18 11;14/18 1..2/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
Temporarily loss of wheel speed signal. Air gap too large, sensor voltage exceeds trigger level at too late.
Adjust airgap. Check sensor wiring and connectors for intermittent contact. Turn the wheel and read out amplitudes of sensor signals and compare with required values.

3 11 5 + 4 abnormal speed 11;14/18 11;14/18 1..2/x3 WL
ABS: partial disabled
ASR, RSC, RSA: disabled
SMR: disabled
with standard parameterset not as fault interpreted. FMI 11 not stored.
Brake squeezes or chatters.
NO repair instruction. Check sensor wiring and connectors for intermittent contact. Check toothed wheel for damages. Read out amplitudes of sensor signals and
compare with required values.
3 12 5 + 4 frequency too high 11;14/18 11;14/18 1..2/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
non plausible sensor frequency measured.
Check sensor wiring and connectors for intermittent contact. Change ELECTRONIC if fault occurrence repeats.
SID FMI Blink
Code FAULT Universal
pin/plug
BASIC,
pin/plug
FRAME
pin/plug
Faultindication
E-FRAME, E-Universal
COMMENT (REACTION) Cause Action

Wheel Sensor right rear
4 1 3 + 3 air gap 17;18/18 17;18/18 3..4/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
air gap too large, sensor output voltage too low
but just exceeds trigger level
Check bearing play, polewheel run out, push sensor to polewheel.
4 2 5 + 3 incorrect tyre 17;18/18 17;18/18 3..4/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
such proportion of tyre diameter/ pole wheel teeth
number that wheel speed difference within front
axle > 10 % or difference within wheels of different
axles > 19 % . Pneus or number of polewheel
teeth are different.
Check wheel circumference and number of polewheel
teeth
4 3 4 + 3 shorted to UBATT 17;18/18 17;18/18 3..4/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
DC voltage detected. Short circuit or impedance
to battery voltage. Check sensor wiring..
4 4 4 + 3 shorted to ground 17;18/18 17;18/18 3..4/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
Short circuit to ground is detected. Check Sensor wiring, replace Sensor if necessary.
4 5 4 + 3 open circuit 17;18/18 17;18/18 3..4/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
Open circuit is detected Check Sensor wiring, replace Sensor if necessary.
4 6 4 + 3 short circuit 17;18/18 17;18/18 3..4/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
Short circuit between sensorwires IG/IGM is
detected Check Sensor wiring, replace Sensor if necessary.
4 7 6 + 3 incorrect pole wheel 17;18/18 17;18/18 3..4/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
Cyclic drop out detected at speed higher than 10
km/h. Several wheel revolution necessary.
Check polewheel for damages / missing teeth. Use
WABCO sensor probe. Replace polewheel if not checked
o.k. If additional airgap faults are stored, adjust airgap.
4 8 3 + 3 slip 17;18/18 17;18/18 3..4/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
16 sec. slip duration detected.
Adjust airgap. Other possible reasons: gear engaged at
slippery conditions or modulator valve does not work
correctly.
4 9 5 + 3 wires mismatched 17;18/18 17;18/18 3..4/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
Wire IG or IGM of another sensor is detected.
Check for mismatch-fault of another sensor. Correct
harness.
4 10 3 + 3 speed drop-out 17;18/18 17;18/18 3..4/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
Temporarily loss of wheel speed signal. Air gap
too large, sensor voltage exceeds trigger level at
too late.
Adjust airgap. Check sensor wiring and connectors for
intermittent contact. Turn the wheel and read out
amplitudes of sensor signals and compare with required
values.
4 11 5 + 3 abnormal speed 17;18/18 17;18/18 3..4/x3 WL
ABS: partial disabled
ASR, RSC, RSA: disabled
SMR: disabled
with standard parameterset not
as fault interpreted. FMI 11 not
stored.
Brake squeezes or chatters.
NO repair instruction. Check sensor wiring and
connectors for intermittent contact. Check toothed wheel
for damages. Read out amplitudes of sensor signals and
compare with required values.
4 12 5 + 3 frequency too high 17;18/18 17;18/18 3..4/x3 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled
non plausible sensor frequency measured.
Check sensor wiring and connectors for intermittent contact. Change ELECTRONIC if fault occurrence repeats.
SID FMI Blink
Code FAULT Universal
pin/plug
BASIC,
pin/plug
FRAME
pin/plug
Faultindication
E-FRAME, E-Universal
COMMENT (REACTION) Cause Action

Wheel Sensor left third (6S-nM)
5 1 3 + 6 air gap 2;5/15 3..4/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
air gap too large, sensor output voltage too low but just exceeds trigger level
Check bearing play, polewheel run out, push sensor to polewheel.
5 2 5 + 6 incorrect tyre 2;5/15 3..4/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
such proportion of tyre diameter/ pole wheel teeth number that wheel speed difference within front axle > 10 % or difference within wheels of different axles > 19 %. Pneus or number of polewheel teeth are different.
Check wheel circumference and number of polewheel teeth
5 3 4 + 6 shorted to UBATT 2;5/15 3..4/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
DC voltage detected. Short circuit or impedance to battery voltage. Check sensor wiring..
5 4 4 + 6 shorted to ground 2;5/15 3..4/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
Short circuit to ground is detected. Check Sensor wiring, replace Sensor if necessary.
5 5 4 + 6 open circuit 2;5/15 3..4/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
Open circuit is detected Check Sensor wiring, replace Sensor if necessary.
5 6 4 + 6 short circuit 2;5/15 3..4/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
Short circuit between sensorwires IG/IGM is
detected. Check Sensor wiring, replace Sensor if necessary.

5 7 6 + 6 incorrect pole wheel 2;5/15 3..4/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
Cyclic drop out detected at speed higher than 10
km/h. Several wheel revolution necessary.
Check polewheel for damages / missing teeth. Use
WABCO sensor probe. Replace polewheel if not checked
o.k. If additional airgap faults are stored, adjust airgap.

5 8 3 + 6 slip 2;5/15 3..4/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
16 sec. slip duration detected.
Adjust airgap. Other possible reasons: gear engaged at
slippery conditions or modulator valve does not work
correctly.

5 9 5 + 6 wires mismatched 2;5/15 3..4/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
Wire IG or IGM of another sensor is detected.
Check for mismatch-fault of another sensor. Correct
harness.

5 10 3 + 6 speed drop-out 2;5/15 3..4/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
Temporarily loss of wheel speed signal. Air gap
too large, sensor voltage exceeds trigger level at
too late.
Adjust airgap. Check sensor wiring and connectors for
intermittent contact. Turn the wheel and read out
amplitudes of sensor signals and compare with required
values.

5 11 5 + 6 abnormal speed 2;5/15 3..4/x4 WL
ABS: partial disabled ASR,
RSC, RSA: disabled
SMR: disabled if driven wheel
with standard parameterset not
as fault interpreted. FMI 11 not
stored.
Brake squeezes or chatters.
NO repair instruction. Check sensor wiring and
collectors for intermittent contact. Check toothed wheel
for damages. Read out amplitudes of sensor signals and
compare with required values.

5 12 5 + 6 frequency too high 2;5/15 3..4/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
non plausible sensor frequency measured.
Check sensor wiring and connectors for intermittent
contact. Change ELECTRONIC if fault occurrence.
SID FMI Blink
Code FAULT Universal
pin/plug
BASIC, pin/plug
FRAME
pin/plug
Fault indication
E-FRAME, E-Universal
COMMENT (REACTION) Cause Action

Wheel Sensor right third (6S-nM)
6 1 3 + 5 air gap 14;11/15 5..6/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
air gap too large, sensor output voltage too low
but just exceeds trigger level
Check bearing play, polewheel run out, push sensor to polewheel.
6 2 5 + 5 incorrect tyre 14;11/15 5..6/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
such proportion of tyre diameter/ pole wheel teeth
number that wheel speed difference within front axle > 10 % or difference within wheels of different axles > 19 %. Pneus or number of polewheel teeth are different.
Check wheel circumference and number of polewheel teeth
6 3 4 + 5 shorted to UBATT 14;11/15 5..6/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
DC voltage detected. Short circuit or impedance to battery voltage. Check sensor wiring..
6 4 4 + 5 shorted to ground 14;11/15 5..6/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
Short circuit to ground is detected. Check Sensor wiring, replace Sensor if necessary.
6 5 4 + 5 open circuit 14;11/15 5..6/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
Open circuit is detected Check Sensor wiring, replace Sensor if necessary.
6 6 4 + 5 short circuit 14;11/15 5..6/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
Short circuit between sensorwires IG/IGM is detected Check Sensor wiring, replace Sensor if necessary.
6 7 6 + 5 incorrect pole wheel 14;11/15 5..6/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
Cyclic drop out detected at speed higher than 10 km/h. Several wheel revolution necessary.
Check polewheel for damages / missing teeth. Use WABCO sensor probe. Replace polewheel if not checked o.k. If additional airgap faults are stored, adjust airgap.

6 8 3 + 5 slip 14;11/15 5..6/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
16 sec. slip duration detected. Adjust airgap. Other possible reasons: gear engaged at slippery conditions or modulator valve does not work correctly.

6 9 5 + 5 wires mismatched 14;11/15 5..6/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
Wire IG or IGM of another sensor is detected. Check for mismatch-fault of another sensor. Correct harness.

6 10 3 + 5 speed drop-out 14;11/15 5..6/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
Temporarily loss of wheel speed signal. Air gap too large, sensor voltage exceeds trigger level at too late.
Adjust airgap. Check sensor wiring and connectors for intermittent contact. Turn the wheel and read out amplitudes of sensor signals and compare with required values.

6 11 5 + 5 abnormal speed 14;11/15 5..6/x4 WL
ABS: partial disabled ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
with standard parameterset not as fault interpreted. FMI 11 not stored.
Brake squeezes or chatters.
NO repair instruction. Check sensor wiring and connectors for intermittent contact. Check toothed wheel for damages. Read out amplitudes of sensor signals and compare with required values.

6 12 5 + 5 frequency too high 14;11/15 5..6/x4 WL
ABS: wheel disabled
ASR, RSC, RSA: disabled
SMR: disabled if driven wheel
non plausible sensor frequency measured.
Check sensor wiring and connectors for intermittent contact. Change ELECTRONIC if fault occurrence repeats.