

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 teeth

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

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.

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

Faultindication

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 sensorwires 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 polewheel for damages / missing teeth. Use

WABCO sensor probe. Replace polewheel 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 connectors 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

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 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.