

P0336

Crankshaft sensor – signal implausible

Diagnostic conditions

- Engine running

Possible cause of fault

- ◆ Corrosion in plug connections
- ◆ Open circuit
- ◆ Short circuit to B+ or ground
- ◆ Sensor faulty

Affected terminals

DME control module plug B, pin 82, and pin 3 of crankshaft sensor plug

DME control module plug B, pin 90, and pin 2 of crankshaft sensor plug

DME control module plug B, pin 108, and pin 1 of crankshaft sensor plug



Note!

The crankshaft sensor also determines the reference mark.

Diagnosis/troubleshooting

Work instruction			Display OK	If not OK
1	Check plug connections for corrosion	<ul style="list-style-type: none"> ◆ Pull off plug B from DME control module ◆ Visual inspection for damage and corrosion ◆ Pull off plug from crankshaft sensor ◆ Visual inspection for damage and corrosion 	⇒ Step 2	Repair/clean wiring harness and correct the cause of the fault if necessary → End

Work instruction			Display OK	If not OK
2	Check wiring for continuity	Measure resistance between: <ul style="list-style-type: none"> ◆ DME control module plug B, pin 90, and pin 2 of crankshaft sensor plug ◆ DME control module plug B, pin 82, and pin 3 of crankshaft sensor plug ◆ DME control module plug B, pin 108, and pin 1 of crankshaft sensor plug 	$< 2 \Omega$ \Rightarrow Step 3	Repair wiring harness and correct the cause of the fault if necessary \rightarrow End
3	Check wiring for short circuit to ground	Measure resistance between ground and DME control module plug B <ul style="list-style-type: none"> ◆ Pin 90 ◆ Pin 82 	$\infty \Omega$ \Rightarrow Step 4	Repair wire and correct the cause of the fault if necessary \rightarrow End
4	Check wiring for short circuit to B+	Switch on ignition Measure voltage between ground and DME control module plug B <ul style="list-style-type: none"> ◆ Pin 90 ◆ Pin 82 	0 V \Rightarrow Step 5	Repair wire and correct the cause of the fault if necessary \rightarrow End
5	Replace crankshaft sensor		\rightarrow End	\Rightarrow Step 6
6	Check whether additional faults are entered		Work through faults according to instructions \rightarrow End	