

MSD80/MSD81 Engine module for N53/N54

Module Identification



Hardware Number	7616431
Hardware Version Number	00
Coding Index	19
Diagnostic Index	0000
Variant Index	4131
Date Of Manufacture	20080620
System Supplier	Siemens
Message Catalog Version	255.255.255
Software Version	0.0.0
OS Version	0.0.0

Current Shadow Fault Codes



2D2E

2D2E Angle of throttle valve - intake pipe underpressure, correlation
 Error will cause a warning light
 Error is not currently present
 Test conditions have been completed
 Short circuit or signal interruption

+ Freeze Frame Information Event 2

Odometer	79936kms	49669miles
Engine speed	2,592.00	rpm
throttle valve sensor 1	13.07	°TPS
suction pipe pressure	93.00	kPa
relative load	0.00	%

Event 3

Odometer	95632kms	59422miles
Engine speed	3,040.00	rpm
throttle valve sensor 1	14.94	°TPS
suction pipe pressure	89.00	kPa
relative load	0.00	%



2FDB

Error will not cause a warning light
 Error is not currently present
 Test conditions have been completed
 Short circuit or signal interruption



30F0

30F0 Glow ignition: cylinder 4
 Error will not cause a warning light
 Error is not currently present
 Test conditions have been completed

+ Freeze Frame Information Event 2

Odometer	95432kms	59298miles
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Engine speed 4,416.00 rpm
 relative load 0.00 %
 Intake air temperature 50.25 °C
 Engine temperature 102.00 °C



30EF

30EF Glow ignition: cylinder 3
 Error will not cause a warning light
 Error is not currently present
 Test conditions have been completed

+ Freeze Frame Information Event 2

Odometer 95432kms 59298miles
 Engine speed 4,416.00 rpm
 relative load 0.00 %
 Intake air temperature 50.25 °C
 Engine temperature 102.00 °C



30F2

30F2 Glow ignition: cylinder 6
 Error will not cause a warning light
 Error is not currently present
 Test conditions have been completed

+ Freeze Frame Information Event 2

Odometer 95680kms 59452miles
 Engine speed 4,352.00 rpm
 relative load 0.00 %
 Intake air temperature 33.00 °C
 Engine temperature 97.50 °C



30F1

30F1 Glow ignition: cylinder 5
 Error will not cause a warning light
 Error is not currently present
 Test conditions have been completed

+ Freeze Frame Information

Event 1

Odometer 94536kms 58741miles
 Engine speed 4,800.00 rpm
 relative load 0.00 %
 Intake air temperature 48.75 °C
 Engine temperature 100.50 °C



29F2

29F2 Fuel high pressure system, fuel pressure
 Error will cause a warning light
 Error is not currently present
 Test conditions have been completed
 Timeout

+Freeze Frame Information

Event 1

Odometer	95800kms 59527miles
rail pressure	103,247.35 hPa
Engine speed	5,632.00 rpm
PWM-Signal of mass control valve	57.42 %
injected mass of fuel	108.00 l/h



29E2

29E2 Fuel injection rail, pressure sensor signal
 Error will cause a warning light
 Error is not currently present
 Test conditions have been completed
 Signal or value below threshold

+Freeze Frame Information

Event 1

Odometer	95800kms 59527miles
Engine speed	5,600.00 rpm
rail pressure	5,434.07 hPa
voltage of the fuel pressure sensor before mass control valve	2.73 V
average rail pressure	0.27 V