



Enpei Auto Parts

Test equipment instructions



SCR system hardware test equipment

Bosch 2.0/2.2/6.5



ECOFIT 01/02



TENNECO 1.0/1.5/6.0



EMITEC



Nox sensor



EGA



Test interface

Model Choice

NOx SENSOR

TEST

HELP

POWER OFF

Model

Bosch 2.2

Test Part

1. Pre injection

2. Build up pressure

3. Pumpback

4. Spray

5. L spray

Test Result

Pump pressure

8.8

bar

Reference

8.5

9.5

bar

ok

Assisted pressure

8.8

bar

Reference

8.5

9.5

bar

ok

flow

2

ml/min

Reference

2

4

ml/min

ok

Trouble shooting

SENSOR1

ok

SENSOR2

ok

Injector

ok

Air valve

ok

Backflow

ok

Heating w

ok

Self Diagnosis

Test Interface

Model Choice

SENSOR

TEST

HELP

POWER OFF



Bosch 2.0



Bosch 2.2



Bosch 6.5



Tenneco 1.0



Tenneco 1.5



Tenneco 6.0



ECOfit



CNHTC



CNHTC Airassist



FAW



Click this button to select the type of urea pump

Click this button to test the NOx sensor

Select the urea pump and click the button for testing

Click the button to shut down

HELP

Test Interface

Model Choice

SENSOR

TEST

HELP

POWER OFF

Model

ECOfit

Count down

8

Test Part

Buildup pressure

Spray

Pumpback

Stop testing

Test Result

Pump P

4.5

bar

Reference

5.0

6.5

bar

Err

Assisted P

2.3

bar

Reference

2.3

3.5

bar

OK

Flow

0

ml/min

Reference

0

100

ml/min

OK

Pump speed

27

Temp

25

°C

Trouble Shooting

Pump P SENSOR

Normal

Injector

Normal

Backflow

Normal

Assisted P SENSOR

Normal

Air Value

Normal

Heating Wire

Normal

SCR Equipment status

Normal

Click the button to make the motor of the urea pump run and generate certain pressure

Click this button to spray urea through the urea nozzle

Click this button to stop the urea pump

Click this button to empty the urea in the urea pump line

Test Interface

Model Choice

SENSOR

TEST

HELP

POWER OFF

Model

ECOfit

Count down

8

Test Part

Buildup pressure

Spray

Pumpback

Stop testing

Test Result

Pump P

4.5

bar

Reference

5.0

6.5

bar

Err

Assisted P

2.3

bar

Reference

2.3

3.5

bar

OK

Flow

0

ml/min

Reference

0

100

ml/min

OK

Pump speed

27

Temp

25

°C

Trouble Shooting

Pump P SENSOR

Normal

Injector

Normal

Backflow

Normal

Assisted P SENSOR

Normal

Air Value

Normal

Heating Wire

Normal

SCR Equipment status

Normal

Urea pressure produced by a urea pump

Some urea pump outlets have mixed chamber pressure

Ok means normal
ERR represents unqualified parameters, need to replace the urea pump parts for maintenance

Ok means normal
ERR means parameters are not acceptable

Test Interface

Model Choice

SENSOR

TEST

HELP

POWER OFF

Model

Emitec 1

Test Part

Stop testing

Pump stop

Emptying

Pumpback

Small spray

Large spray

Data Analysis

Pump status

Emptying

Solenoid valve

Pump Flow

0.00

Air pressure

Normal

Internal Heating

Normal

Pumpback ice

Ice Error

real-time display

00 00 00 00 02 00 00 00

To stop testing

Empty the pipe inside the urea pump

Urea pump stopped working

Urea pump starts large injection

Urea pump starts small injection

Urea pump motor operates to generate pressure

Test Interface

Model Choice

SENSOR

TEST

HELP

POWER OFF

Model

NOx
SENSOR

RUN

NOx

O2

real-time display

Liquid level
SENSOR

RUN

Liquid level Res

Temp Res

Exhaust
temperature
SENSOR

RUN

Temp Res1

Temp Res2

Click the button to test

Oxygen data

After clicking the test button for 3 minutes, the data will change. After waiting for a period of time, the data will drop to about 20, which is normal