



User Manual

ADBLUE CONTROL KIT

Pressure ◉ Quality ◉ Quantity





User Manual

AdBlue control kit

ADBLUE CONTROL KIT kit allows you to service and check vehicles equipped with an AdBlue emission system in a simple way.

By following the instructions for this test kit, you safeguard your customers in the best possible way from faults in the AdBlue emission system.

CONTENT:

- AdBlue refractometer
- AdBlue Measuring glass
- AdBlue PH - test paper
- AdBlue Plastic pipette
- AdBlue Pressure gauge

AdBlue refractometer



- Compact and easy to use
- Automatic temperature compensation (ATC) from 10 to 30°C
- Provides accurate and repeatable measurements on an easy to read scale
- Requires only 2 or 3 drops of AdBlue
- Prism and lens have simple focus adjustment

Plastic pipette



- Draw AdBlue and press it onto refractometer or PH-strip

Measuring glass



- Plastic
- Capacity 120 ml

Pressure gauge



- Pressure measurement of AdBlue system
- 0 - 10 bar

AdBlue PH - test paper



- PH - test paper strips, also known as litmus paper
- Measures PH 1-14 in liquids
- The package contains a total of 80 PH paper strips



User Manual

AdBlue control kit

FUNCTIONS:

- Control of injection quantity
- Control of PH value
- Control of urea
- Control of spray pattern
- Control of system pressure

Control of injection quantity

Place the measuring glass at the injector opening. Then activate the AdBlue injector using a suitable diagnostic tool. Check the quantity compared to the OE prescriptions for the vehicle.

Solution: If the correct quantity is not achieved, check all elements in the system (pump, hoses and the injector).

Control of PH value

Remove the hose to the AdBlue injector. Put a little AdBlue fluid on the PH strip (one drop). Read out the PH value on the colour gamut. The value must be between 9-10.

Important: Please note that there may be up to 5 bars of pressure in the AdBlue system.

Solution: If the PH value is not correct, drain the AdBlue system and fill new AdBlue according to OE prescriptions.

Control of refracto value

Remove the hose to the AdBlue injector. Put a little AdBlue fluid on the refractometer (2-3 drops). Read out the value on the scale. The refractive index shall be 32.5%

Important: Please note that there may be up to 5 bars of pressure in the AdBlue system.

Solution: In case of a rather large deviation, drain the AdBlue system and fill new AdBlue according to OE prescriptions.

Control of spray pattern

Place the measuring glass at the injector opening. Then activate the AdBlue injector using a suitable diagnostic tool. Check the spray pattern according to the OE prescriptions for the vehicle.

Solution: If the spray pattern is not correct, check the injector performance (the injection quantity should also be checked).

Control of system pressure

Remove the hose to the AdBlue injector. Fit pressure gauge between injector and hose. Activate the pump using a suitable diagnostic tool and follow OE prescriptions for system pressure.

Important: Please note that there may be up to 5 bars of pressure in the AdBlue system.

Solution: If the pressure is not correct, check the pump and hoses. Faulty parts must be replaced.

Additional help

AutoFrontal contains a lot of useful information about AdBlue systems.

See relevant bulletins: No. 5235, 5267 and 6123.



User Manual

AdBlue control kit

IMPORTANT INFORMATION:

Always check the AdBlue data sheet before starting the work..

It is important to clean all parts with lukewarm water after use.

The hoses to the pressure gauge must be flushed with lukewarm water after use, and then leave the water in the hose and gather the 2 hose ends with the quick release couplings.

This ensures the functionality of the measuring equipment.

SAFETY AROUND ADBLUE

ALWAYS USE SAFETY EQUIPMENT



Classification: The mixture is not classified as dangerous according to regulation (EF) No. 1272/2008.

AdBlue mixtures: Chemical characterisation
32.5 % urea aqueous solution
Dispensary (designation): Urea
CAS-No.:57-13-6; EG-No.:200-315-5
REACH registration number: 01-2119463277-33

In case of skin contact: Thoroughly flush with water. Immediately, remove dirty wet clothes. If symptoms are stated and in case of doubt, seek medical attention.

In case of eye contact: If the substance gets into the eyes, immediately flush thoroughly with water and seek medical attention. Remove contact lenses, if any, if it can be done easily. Continue flushing.

If ingested: DO NOT provoke vomiting. Seek medical attention. Immediately flush your mouth and then drink plenty of water.

Part no. AB100



www.elektropartner.com