

## 42-702 Important notes for repair work

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When working on vehicles fitted with ABS, observe the following:

### **Welding jobs**

When welding with an electrical welder, the plug must be detached from the ABS control unit.

### **Paintwork**

During painting jobs, the ABS control unit may be heated for short periods up to max. 95°C and for long periods (approximately 2 hours) up to max. 85°C.

### **Installation of battery**

If the battery has been removed, retighten cable terminals on both connections properly after reinstallation.

### **Rear axle differential housing**

When exchanging or replacing a rear axle differential housing or during a repair job, make sure that the correct toothed wheel with the correct ratio for the vehicle speed signal sensor is installed.

### **Function test**

Following all jobs on the brake system during which no ABS components were directly involved, a simple operational checkup will be sufficient. This means that, when the engine is running, the yellow indicator lamp should go out if the ABS is intact.

Those jobs include, for example, exchange or replacement of brake calipers, brake linings, brake hoses, brake discs, brake booster, tandem brake master cylinder, brake cable controls and components of the parking brake, as well as the two brake lines on the rear axle.

If jobs are performed on the hydraulic unit, ABS control unit, vehicle speed signal sensors and harness, or if units are replaced, e.g. during repairs following an accident, the entire ABS system must be checked by means of the available Bosch tester in combination with a brake test bench or an adapter in combination with a multimeter.

It is no longer possible to carry out various test work with the Bosch ETT 016.00 ABS tester therefore only the test adapter 126 589 01 21 00 should be used.

### **Handling of ABS components on vehicles following an accident**

Parts which are not visibly damaged need not be replaced. For example the hydraulic unit need only be exchanged if the covers of the solenoid valves or electric lines are damaged.