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Information for handling the documents: repair instructions, technical data, AZD

The present repair instructions are used for the correct execution of maintenance and repair work for unmodified standard passenger car products of the BMW Group.

As prerequisite for the execution of the above stated repair work, a completed training is necessary, such as automotive mechatronics engineer, regular continued education such as system specific courses (e.g. hybrid car, electric vehicle) are required.

The repair instructions describes installations and removals or replacements of Unified Parts Groups on the vehicle.

If reference is made in the information to the use of special tools, these tools must be used without fail to ensure the correct and safe completion of the repair steps. Safety information is to be stringently observed.

Cross references to other repair instructions as well as to "technical data" and "AZD" must be observed.

If there are no cross references to AZD in the repair instructions, the extracts from the company standard BMW Group 90003-2 must be observed.

Cross references to other repair instructions can refer to a complete work scope or only to single, therein contained operations.

Cross references to other operations or job numbers cannot be consulted as an extension of the job guidelines.

The organisation of the repair instructions corresponds with the number system of the flat rate manuals (job number).

In general, in the repair instructions, within the individual operations, only the removal of Unified Parts Groups are described. The installation takes place in reverse order. If there are special items to be observed during installation, then as "installation notes:" they will be brought to attention. In addition to these, for complicated processes, the removal and installation will be described separately.

Components that are installed on both vehicle sides (e. g. headlights, exterior mirrors or body components) are described in the repair instructions based on the left side. The procedure are mirrored when applied to components on the right vehicle side. Exception: The procedure differs on the left and right. In this case, the steps are also shown for the right side.

(left: in direction of travel, left, right: in direction of travel, right)

The repair instructions describe repair work on left hand drive vehicles. These are, if possible, mirrored when performed on right hand drive vehicles.

Hybrid technology: Repair work can only be made by specially trained "electrical technicians for high-voltage systems on intrinsically safe vehicles" or " experts for repair work on high-voltage intrinsically safe vehicles".

In vehicles with high-voltage components, the corresponding safety information must be stringently observed before work can begin!

Repair work on live high-voltage components is generally prohibited!

Before every step that affects a high-voltage component, the high-voltage system must be de-energised and locked out against unauthorised start-up.

If improperly used, there is the danger of subsequent damage and the therewith connected safety risks.

Hydrogen technology: Repair work on a Hydrogen 7 (E68) must only be carried out following consultation with the vehicle-specific registered representative (see owner's handbook for vehicle).