# Please read these warnings and cautions before proceeding with maintenance and repair work.

#### WARNING-

 Some repairs may be beyond your capability. If you lack the skills, tools and equipment, or a suitable workplace for any procedure described in this manual, we suggest you leave such repairs to an authorized Volkswagen dealer service department, or other qualified shop.

• Volkowisgen is constantly improving its cars. Sometimes these changes, both in perts and specifications, are made applicable to earlier models. Therefore, before starting any major jobs or repairs to components on which passenger safety may depend, consult your authorized Volkswagen dealer about Technical Bulletins that may have been issued since the editorial closing of this manual.

Do not re-use any fasteners that are worn or deformed in normal use. Some testeners are designed to be used only once, and are unreliable and may fall if used a second time. This includes, but is not limited to, nuts, botts, washers, circlips and cotter pins. Always follow the recommendations in this manual to replace these tasteners with new parts where indicated, and any other time it is deemed necessary by inspection.

Never work under a lifted car unless it is solidly supported on stands designed for the purpose. Do not support a car on cinder blocks, holios tiles or other props that may cruebte under continuous load. Never work under a car that is supported solely by a jack. Never work under the car while the engine is running.

• If you are going to work under a car on the ground, make sure that the ground is level. Block the wheels to keep the car from rolling. Disconnect the battery negative (-) terminal (Ground strap) to prevent others from starting the car while you are under it.

Never run the engine unless the work area is well ventilated.
Cerbon mongoide kills.

 Finger rings, bracelets and other jewelry should be removed so that they cannot cause electrical shorts, get caught in running machinery, or be crushed by heavy parts.

Tile long hair behind your head. Do not wear a necktie, a scarf, losse clothing, or a neckties when you work near machine tools or running engines. If your hair, clothing, or jewelry were to get caught in the machinery, severe injury could result.

Do not attempt to work on your car if you do not feel well, You increase the danger of injury to yourself and others if you are tired, upset or have taken medication or any other substance that may keep you from being fully elect.

 Huminate your work area adequately but safety. Use a portable safety light for working inside or under the car. Make sure the buts is enclosed by a wire cage. The hot filament of an accidentally broken buts can ignite spilled fuel or oil.

 Catch draining fuel, oil, or brake fluid in suitable containers. Do not use food or beverage containers that might mislead someone into drinking from them. Store flammable fluids away from fire hazants. Wipe-up spills at once, but do not store the oily rags, which can ignite and burn spontaneously.

 Always observe good workshop practices. Wear goggles when you operate machine tools or work with battery acid. Gloves or other protective clothing should be worn whenever the job requires working with harmful substances.  Friction materials such as brake or clutch discs may contain asbestos fibers. Do not create dust by grinding, sanding, or by cleaning with compressed air. Avoid breathing asbestos fibers and asbestos dust. Breathing asbestos can cause serious diseases such as asbestosis or cancer, and may result in death.

 Disconnect the battery negative (~) terminal (Ground strap) whenever you work on the fuel system or the electrical system. Do not smoke or work near heaters or other fire hazards. Keep an approved fire extinguisher handy.

 Batteries give off explosive hydrogen gas during charging.
Keep sparks, lighted matches and open flame away from the top of the battery. If hydrogen gas escaping from the cap vents is ignited, it will ignite gas trapped in the cells and cause the battery to explode.

 Connect and disconnect battery cables, jumper cables or a battery charger only with the ignition switched off, to prevent sparks.
Do not disconnect the battery while the engine is running.

 Do not quick-charge the battery (for boost starting) for longer than one minute. Walt at least one minute before boosting the battery a second time.

 Do not allow battery charging voltage to exceed 16.5volts. If the battery begins producing gas or boiling violently, reduce the charging rate. Boosting a suifasted battery at a high charging rate can cause an explosion.

The air-conditioning system is filled with chemical refrigerant, which is hazardous. The A/C system should be serviced only by trained technicians using approved refrigerant recovery/trocycling equipment, trained in related safety precautions, and familiar with regulations governing the discharging and disposal of automotive ohemical refrigerants.

 Do not expose any part of the A/C system to high temperatures such as open flame. Excessive heat will increase system pressure and may cause the system to burst.

Some acrosol tire inflators are highly flammable. Be extremely cautious when repairing a tire that may have been inflated using an aerosol tire inflator. Keep sparks, open flame or other sources of ignition away from the tire repair area, inflate and deflate the tire at least four times before breaking the bead from the rim. Completely remove the tire from the rim before attempting any repair.

Some cars covered by this manual are equipped with a supplemental restraint system (SRS), that automatically deploys an airbag in the event of a frontal impact. The airbag is inflated by an explosive device. Handled improperly or without adequate sateguistics, it can be accidently activated and cause serious mury.

To provent personal injury or airbag system failure, only trained.
Volkswagen dealer service technicians should test, disassemble or service the airbag system.

Disconnect the power supply before working on the airbag system, or when doing repairs that require removing airbag system components. Disconnect the battery negative (-) terminal and cover the battery. Also disconnect the red single-pin harness connector (marked "airbag") behind the instrument panel.

continued on next page

# **Vw Mk1 Service And Repair Manual**

**DJ Losen** 

#### **Vw Mk1 Service And Repair Manual:**

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