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Volkswagen Golf Diesel

Volkswagen Golf Diesel Owners Workshop Manual

For 1977 to 1979 All 1471cc Diesel Engined Models

INTRODUCTION

This workshop manual provides comprehensive information for the maintenance, repair, and adjustment of Volkswagen Golf Diesel models produced between 1977 and 1979, specifically those equipped with the 1471cc diesel engine. It covers various systems including the engine, cooling system, fuel and emission control systems, exhaust, ignition system, clutch, manual gearbox, propeller shafts or driveshafts, braking system, electrical system, suspension, steering, bodywork, and fittings.

The manual includes detailed routine maintenance procedures, complete specifications, and fault diagnosis procedures. Information on the rear axle, differential units, and automatic transmission (where applicable) is also covered, including removal, refitting, and fault diagnosis procedures.

VW GOLF DIESEL

1977 to 1979

All 1471cc diesel engined models



THE
BOOK

Owners Workshop Manual

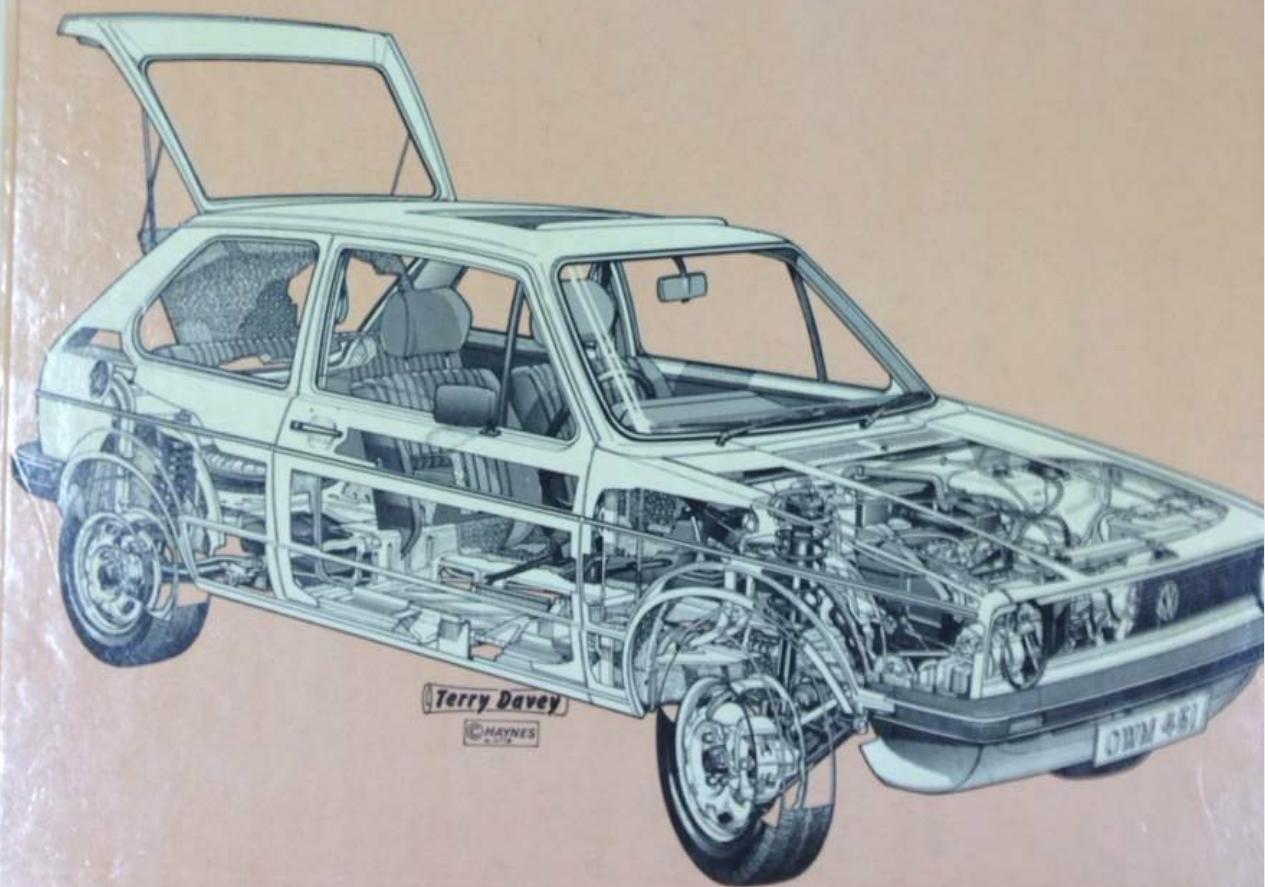


Figure 1: Front cover of the Volkswagen Golf Diesel Owners Workshop Manual, showing a cutaway illustration of the car.

ABOUT HAYNES MANUALS

Haynes Workshop Manuals are recognized as best-selling books on automotive repair and maintenance. Each book is

based on a complete stripdown and rebuild of the vehicle concerned, providing step-by-step instructions linked to hundreds of specially taken 'how to' photos, some in color.

- Most research is carried out with manufacturers, dealers, repair specialists, and owners.
- Includes comprehensive fault-finding and tune-up data.
- Offers tips and tricks of the trade to assist in using special tools.



Models covered
VW Golf with 1471 cc diesel engine

Does not cover petrol engined models



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Haynes Manuals Explain Best

- Haynes Workshop Manuals are the world's best-selling books on automotive repair and maintenance
- Each book is based on the complete stripdown and rebuild of the vehicle concerned
- Step-by-step instructions linked to hundreds of specially taken 'how to' photos, some in colour
- Most carefully researched with manufacturers, dealers, repair specialists and owners
- More fault-finding and tune-up data
- Tricks of the trade show you how to get around using special tools

About this Book

Typical contents describe and illustrate the dismantling, inspection, repair and refitting of the following: Engine, Cooling System, Fuel and Emission Control Systems, Exhaust, Ignition System, Clutch, Manual Gearbox, Propeller Shafts or Driveshafts, Braking System, Electrical System, Suspension, Steering, Bodywork and Fittings. Routine Maintenance, complete Specifications and detailed Fault Diagnosis procedures are also included. In the case of rear axle Differential Units and Automatic Transmission (where applicable) the removal, refitting and fault diagnosis procedures only are covered.

What the press say ...

'These are really worthwhile manuals which can save you a lot of money.' *Autocar*

'Haynes manuals are outstanding for giving the learner mechanic an easy to follow guide to doing most any type of repair or maintenance work on his or her car.' *Road & Track*

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'It is thus opportune that a simply splendid Owners Workshop Manual has just come out. Every imaginable job is illustrated ...' *Autosport*

'For the home mechanic Haynes DIY workshop manuals show clearly step-by-step service operations in pictures.' *Sunday Mirror*

'Another book well worth buying.' *Hot Car*

'All instructions given on a step-by-step basis with a minimum of cross-references and vast number of illustrations, roughly one per step. Great use of photographs but well taken and clearly printed.' *Motor*

'... covers absolutely everything you could wish to know.' *Popular Motoring*

'Every conceivable aspect is covered down to the minutest accessory ... excellent value for money, and is an invaluable asset.' *Safer Motoring*

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Figure 2: Back cover of the manual, detailing the benefits and content of Haynes manuals.

SETUP AND PREPARATION

Before commencing any work on your Volkswagen Golf Diesel, it is crucial to ensure you have the correct tools and a safe

working environment. Always disconnect the battery's negative terminal before working on electrical components to prevent accidental short circuits.

Safety Precautions

- Always use jack stands when working under the vehicle.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves.
- Ensure adequate ventilation when working with chemicals or in enclosed spaces.
- Refer to the manual's specific safety warnings for each procedure.

OPERATING INFORMATION

While this manual primarily focuses on repair and maintenance, understanding basic vehicle operation is essential for proper care. Familiarize yourself with the dashboard indicators, controls, and the vehicle's general behavior.

Key Operational Aspects

- **Starting the Engine:** Ensure the glow plug indicator light extinguishes before cranking the diesel engine.
- **Fuel Type:** Only use diesel fuel suitable for your vehicle. Refer to the fuel filler cap or owner's handbook for specific requirements.
- **Warning Lights:** Understand the meaning of various dashboard warning lights and address them promptly.

MAINTENANCE SCHEDULE

Regular maintenance is critical for the longevity and reliable operation of your Volkswagen Golf Diesel. This manual provides detailed schedules and procedures for routine servicing.

Typical Maintenance Tasks

- **Engine Oil and Filter Change:** Recommended at specified mileage or time intervals.
- **Fuel Filter Replacement:** Essential for diesel engines to prevent fuel system contamination.
- **Air Filter Inspection/Replacement:** Ensures proper engine breathing.
- **Brake System Check:** Inspect pads, discs, fluid level, and lines.
- **Tire Rotation and Pressure Check:** Promotes even tire wear and safety.

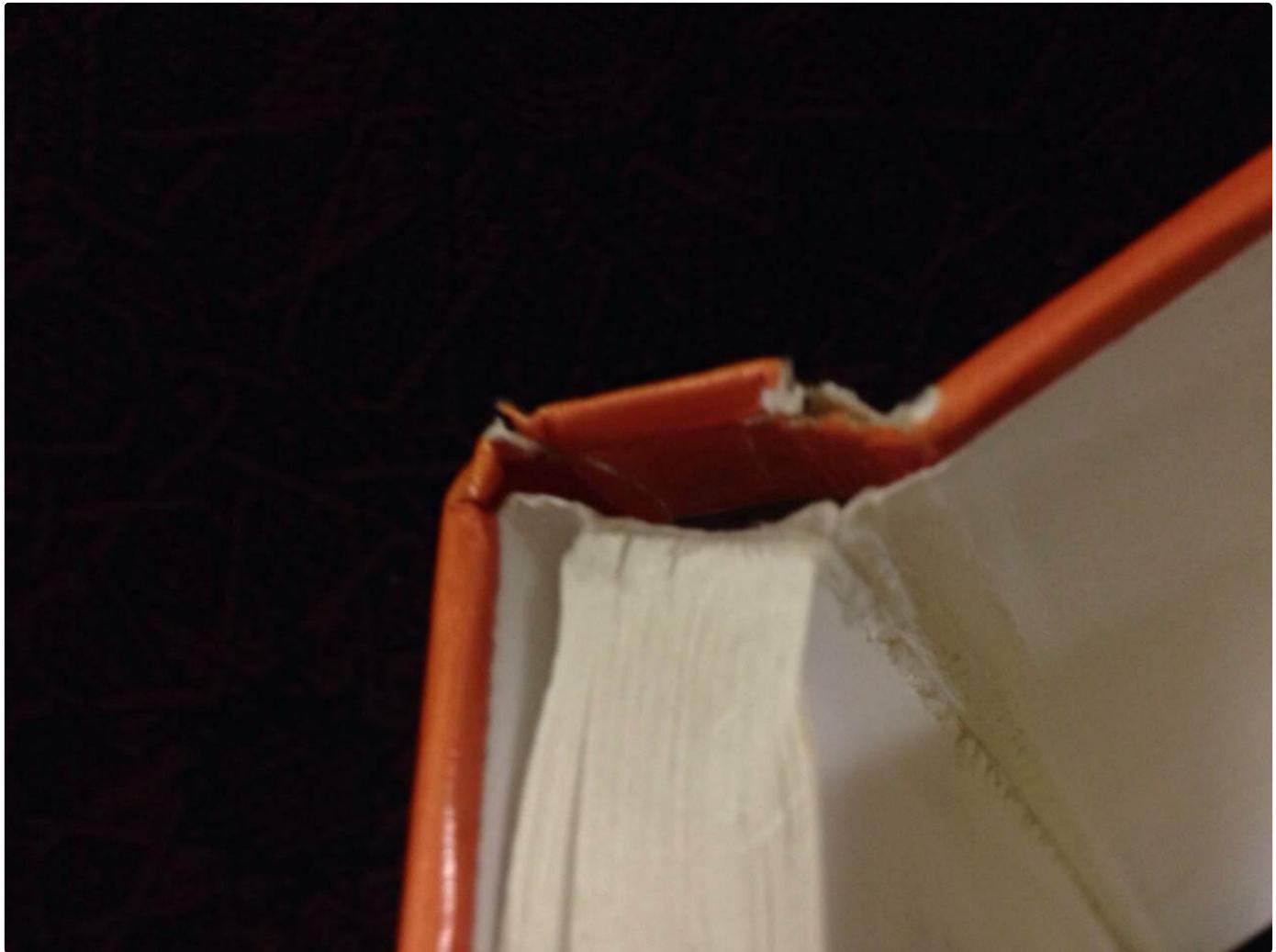


Figure 3: An example page from the manual illustrating components like the oil pressure switch and oil pump drive gear, with handwritten notes in Japanese.

TROUBLESHOOTING COMMON ISSUES

This manual includes dedicated sections for diagnosing and resolving common problems encountered with the Volkswagen Golf Diesel. It provides systematic approaches to identify the root cause of issues.

Diagnostic Flowchart Example (Conceptual)

Table 1: Example Troubleshooting Guide (Conceptual)

Symptom	Possible Cause	Action
Engine cranks but won't start	Low fuel, air in fuel system, faulty glow plugs	Check fuel level, bleed fuel system, test glow plugs
Excessive exhaust smoke	Worn injectors, incorrect timing, clogged air filter	Inspect injectors, check timing, replace air filter



Figure 4: A page from the manual detailing the fuse and relay panel, with a handwritten note indicating an exchange date.

SPECIFICATIONS

The manual contains detailed technical specifications for various components and systems of the Volkswagen Golf Diesel. These specifications are crucial for proper repair and replacement of parts.

General Specifications (Refer to manual for full details)

- **Engine Type:** 1471cc Diesel
- **Torque Settings:** Specific values for various fasteners throughout the vehicle.
- **Fluid Capacities:** Engine oil, coolant, brake fluid, transmission fluid.
- **Electrical System:** Wiring diagrams and component specifications.

WARRANTY AND SUPPORT

This Haynes Workshop Manual is a third-party publication designed to assist owners with vehicle maintenance and repair. It is not a warranty document for the vehicle itself. For information regarding your Volkswagen Golf Diesel's original manufacturer warranty (if applicable, given the vehicle's age), please consult your vehicle's original documentation or a certified Volkswagen dealer.

For support related to the content of this Haynes manual, please refer to the publisher's contact information typically found within the book or on their official website. Haynes Publishing is the author and publisher of this manual.

Publisher: Haynes Publishing

ISBN-10: 0856964514

ISBN-13: 978-0856964510

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This manual is intended for informational purposes only. Always exercise caution and follow proper safety procedures when performing vehicle maintenance.