



## Repair Manual All Models 2019 ➤

### 2019 MY VW Maintenance Schedule

Edition 03.2018





## List of Workshop Manual Repair Groups

### Repair Group

03 - Maintenance, Diagnosis

Technical information should always be available to the foremen and mechanics, because their careful and constant adherence to the instructions is essential to ensure vehicle road-worthiness and safety. In addition, the normal basic safety precautions for working on motor vehicles must, as a matter of course, be observed.

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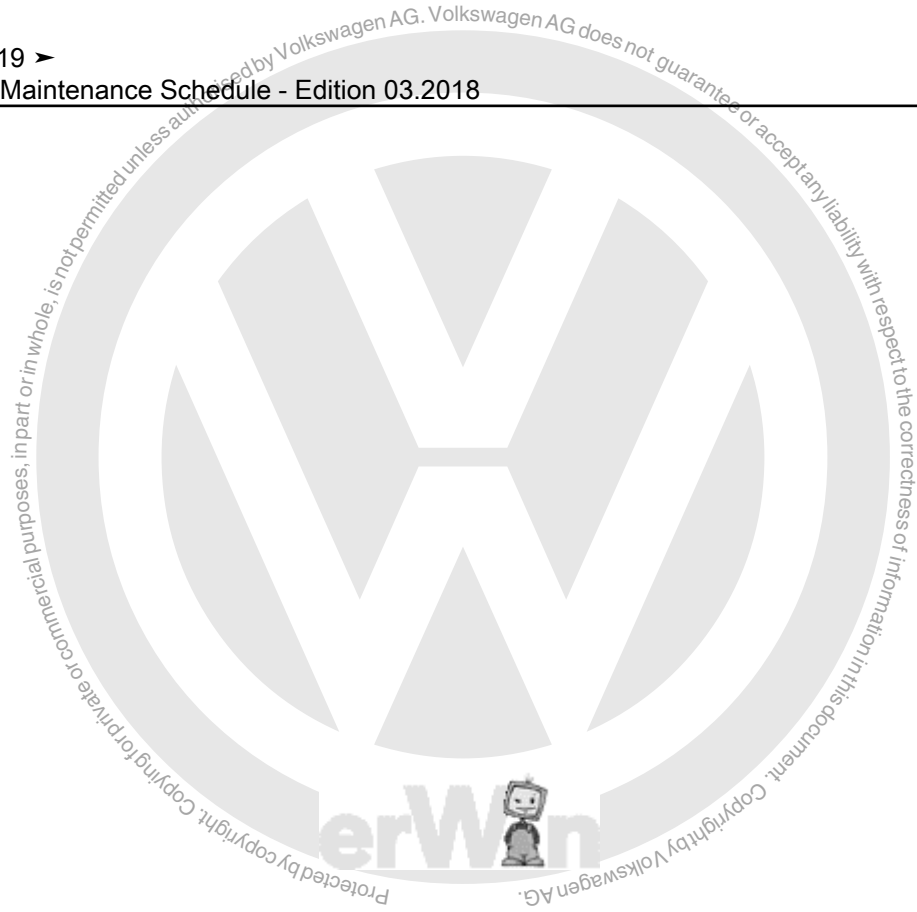




All Models 2019 ➤

2019 MY VW Maintenance Schedule - Edition 03.2018

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## 03 – Maintenance, Diagnosis

### 1 2019 MY Maintenance Tables - United States/Canada (Except e-Golf)

(Edition 03.2018)



#### Note

The intervals shown in this table are based on vehicles operating under normal conditions. In case of severe conditions, such as extremely low temperatures, excessive dust, etc., it is necessary for certain operations to be carried out in between the given intervals. This applies particularly to engine oil changes and the cleaning or replacing of the air cleaner filter element.

Service Intervals									
Miles	10K	20K	30K	40K	50K	60K	70K	80K	
Kilometers	15K	30K	45K	60K	75K	90K	105K	120K	
Minor Maintenance 1)	X		X		X		X		
Standard Maintenance 2)		X		X		X		X	
Extended Maintenance				X				X	
Additional Maintenance Items	Refer to ⇒ <a href="#">page 3</a>								

1) First minor maintenance service at 10,000 miles (15,000km) or 1 year after delivery, whichever occurs first. Minor maintenance services thereafter occur at intervals of 20,000 miles (30,000km) or every 2 years after the last minor maintenance service, whichever occurs first.

2) First standard maintenance service at 20,000 miles (30,000km) or 2 years after delivery, whichever occurs first. Standard maintenance services thereafter occur at intervals of 20,000 miles (30,000km) or every 2 years after the last standard maintenance service, whichever occurs first.

✓ all completed items

#### Minor Maintenance

##### Labor Item

##### »Labor Operation 01 04 00 XX«

- ☐ Brake Pads (Front and Rear) - Check thickness and brake disc condition. Look for contact pattern and corrosion of brake discs
- ☐ Engine - Change oil and replace filter
- ☐ Service Interval Display - Reset
- ☐ Sunroof Water Drains - Check for clearance and clean if necessary (Passat only)
- ☐ Tires - Rotate (Canada only)



## Standard Maintenance (Includes All "0104" Minor Maintenance Items)

### Labor Item

#### »Labor Operation 01 03 00 XX«

- |   |
|---|
| <input type="checkbox"/> Battery - Check with battery tester (and auxiliary battery if equipped)  |
| <input type="checkbox"/> Brake Fluid - Check level  |
| <input type="checkbox"/> Brake Pads (Front and Rear) - Check thickness and brake disc condition. Look for contact pattern and corrosion of brake discs  |
| <input type="checkbox"/> Cooling System - Check level and freeze protection   |
| <input type="checkbox"/> Engine - Change oil and replace filter   |
| <input type="checkbox"/> Engine and Engine Compartment Components (from above) - Check for leaks and damage   |
| <input type="checkbox"/> Engine and Engine Compartment Components (from below) - Check related components including transmission, final drive, and drive axle boots for leaks and damage                              |
| <input type="checkbox"/> Exterior Lighting - Check function of front and rear lights, headlights (adjust if necessary), automatic headlights (if equipped), turn signals, cornering lights, and hazard warning lights |
| <input type="checkbox"/> Headlight Washing System - Check function (if equipped)  |
| <input type="checkbox"/> Horn - Check function  |
| <input type="checkbox"/> Removable Trailer Hitch - Check function and inspect for damage (Tiguan, Tiguan Limited, and Atlas only if equipped)   |
| <input type="checkbox"/> Service Interval Display - Reset   |
| <input type="checkbox"/> Sunroof Water Drains - Check for clearance and clean if necessary (Passat only)  |
| <input type="checkbox"/> Test Drive - Check braking, kickdown, steering, electrical, heating/ventilation systems, air conditioning, handling, and parking brake   |
| <input type="checkbox"/> Tire Pressure Monitoring System - Calibrate to correct tire pressure settings  |
| <input type="checkbox"/> Tire Pressure - Check LF _____ RF _____ LR _____ RR _____ Spare _____  |
| <input type="checkbox"/> Tire Repair Kit - Check for damage and prior use   |
| <input type="checkbox"/> Tires - Check condition and wear pattern. Record tread depth   |
| <input type="checkbox"/> Windshield Wiper/Washer System - Check for damage, function and adjust spray nozzle if necessary, fluid level, and freeze protection   |
| <input type="checkbox"/> Wiper Blades - Bring into service position, check for damage, and check park position  |

## Extended Maintenance

### Labor Item

#### »Labor Operation 01 39 00 XX«

- |  |
|--|
| <input type="checkbox"/> Body Interior and Exterior - Check for corrosion  |
| <input type="checkbox"/> Brake System - Check for leaks and damage   |
| <input type="checkbox"/> Coil Springs and Shock Absorbers (Front and Rear) - Check for damage  |
| <input type="checkbox"/> Convertible Top - Clean/lubricate locking mechanism and perform leak test (Beetle Convertible only)   |
| <input type="checkbox"/> Exhaust System - Check for leaks, damage and secure fittings  |
| <input type="checkbox"/> Hood Latch - Lubricate (Does not apply to Passat, Golf, Beetle, and Jetta)  |
| <input type="checkbox"/> Interior Lighting - Check function of overhead lights, glove box lights, cigarette lighter/power outlets, luggage compartment, and all warning lights                   |
| <input type="checkbox"/> Sunroof, Panoramic Tilting/Sliding - Check function (if equipped)   |
| <input type="checkbox"/> Sunroof, Non-Panoramic Sliding - Check function and clean then lubricate guide rails with VW approved lubricant (if equipped)   |
| <input type="checkbox"/> Ribbed Belt - Check condition   |
| <input type="checkbox"/> Suspension and Steering - Check ball joints, wheel bearings, drive axles, coupling rods, tie rod ends, and stabilizer bar rubber bushings for damage and excessive play |
| <input type="checkbox"/> Underbody - Check underbody protection, underbody trim panels, wire routing, and plugs for damage   |
| <input type="checkbox"/> Windshield - Check for damage   |



## Additional Maintenance Items

Labor Item	Interval	Labor Operation
<input type="checkbox"/> Air Filter Element and Snow Screen - Replace element. Clean screen and housing	Every 60,000 miles (90,000 kilometers) or 6 years, whichever occurs first	2424 19 XX or 2424 55 XX
<input type="checkbox"/> AWD Clutch - Change fluid (if equipped)	Every 3 years	0157 55 50
<input type="checkbox"/> Brake Fluid - Change	Every 2 years, regardless of mileage	0140 00 50
<input type="checkbox"/> Dust and Pollen Filter - Replace	Every 40,000 miles (60,000 kilometers) or 2 years, whichever occurs first	8518 19 XX
<input type="checkbox"/> Front Axle Differential Lock - Change fluid (if equipped)	Every 3 years	0154 55 50
<input type="checkbox"/> Panoramic Tilting/Sliding Sunroof <ul style="list-style-type: none"> <li>For gray grease, the guide rails must be cleaned and greased, and the wind deflector must also be cleaned (if equipped).</li> <li>For colorless grease, only perform a functional check while listening for unusual noises (if equipped).</li> </ul>	After 40,000 miles (60,000 kilometers) or 3 years then every 40,000 miles (60,000 kilometers) or 2 years, whichever occurs first	6005 29 50
<input type="checkbox"/> Spark Plugs - Replace (except Atlas models)	Every 40,000 miles (60,000 kilometers) or 4 years, whichever occurs first *4-cyl Gasoline - 1.4L, 1.8L, and 2.0L	2870 20 XX or 2870 56 XX
<input type="checkbox"/> Spark Plugs - Replace (except Atlas models)	Every 60,000 miles (90,000 kilometers) or 6 years whichever occurs first *6-cyl Gasoline - 3.6L engines only	2870 20 XX or 2870 56 XX
<input type="checkbox"/> Spark Plugs - Replace (Atlas only)	Every 80,000 miles (120,000 kilometers) or 6 years whichever occurs first *2.0L and 3.6L	2870 20 XX or 2870 56 XX
<input type="checkbox"/> Tire Filler Bottle - Check expiration date (if equipped)	Every 2 years, regardless of mileage; Must not be more than 4 years old	N/A
<input type="checkbox"/> Transmission, 6-Speed DSG Automatic Transmission - Change fluid and filter	Every 40,000 miles (60,000 kilometers)	3401 55 XX
<input type="checkbox"/> Transmission, 7-Speed DSG Automatic Transmission - Change fluid (Golf R only)	Every 80,000 miles (120,000 kilometers)	3401 55 XX
<input type="checkbox"/> Transmission, Automatic (non-DSG Automatic Transmission) - Change Fluid and Filter	Every 80,000 miles (Not applicable for Canada; Filled for life)	3702 55 XX



## 2 2019 MY Maintenance Tables - United States/Canada (e-Golf)



### Note

The intervals shown in this table are based on vehicles operating under normal conditions. In case of severe conditions, such as extremely low temperatures, excessive dust, etc., it is necessary for certain operations to be carried out in between the given intervals. This applies particularly to the cleaning or replacing of the air cleaner filter element.

Service Intervals								
- Miles	10K	20K	30K	40K	50K	60K	70K	80K
- Kilometers	15K	30K	45K	60K	75K	90K	105K	120K
Minor Maintenance 1)	X		X		X		X	
Standard Maintenance 2)		X		X		X		X
Extended Maintenance				X				X
Additional Maintenance Items	Refer to <a href="#">⇒ page 5</a>							

1) First minor maintenance service at 10,000 miles (15,000km) or 1 year after delivery, whichever occurs first. Minor maintenance services thereafter occur at intervals of 20,000 miles (30,000km) or 2 years after the last minor maintenance service, whichever occurs first.

2) First standard maintenance service at 20,000 miles (30,000km) or 2 years after delivery, whichever occurs first. Standard maintenance services thereafter occur at intervals of 20,000 miles (30,000km) or 2 years after the last standard maintenance service, whichever occurs first.

✓ all completed items

### Minor Maintenance

#### Labor Item

#### »Labor Operation 01 04 00 XX«

- ☐ Brake Pads (Front and Rear) - Check thickness and brake disc condition. Look for contact pattern and corrosion of brake discs
- ☐ High-voltage Battery - Charge upon customer request. Check charge level and charge as necessary
- ☐ High-voltage Warning Label - Check that they are present
- ☐ Service Interval Display - Reset
- ☐ Tires - Rotate (Canada only)

### Standard Maintenance (Includes All Minor "0104" Maintenance Items)

#### Labor Item

#### »Labor Operation 01 34 00 10«

- ☐ 12 Volt Battery - Perform diagnosis (determine charge capacity with diagnostic tester)
- ☐ Brake Fluid - Check level
- ☐ Brake Pads (Front and Rear) - Check thickness and brake disc condition. Look for contact pattern and corrosion of brake discs
- ☐ Cooling System - Check level and frost protection





## Labor Item

### »Labor Operation 01 34 00 10«

<input type="checkbox"/> eMotor and eMotor Compartment Components (from above) - Check for leaks and damage
<input type="checkbox"/> eMotor and eMotor Compartment Components (from below) - Check related components including transmission, final drive, and drive axle boots for leaks and damage
<input type="checkbox"/> Exterior Lighting - Check function of front and rear lights, headlights (adjust if necessary), automatic headlights (if equipped), turn signals, cornering lights, and hazard warning lights
<input type="checkbox"/> High-voltage Battery - Charge upon customer request. Check charge level and charge as necessary
<input type="checkbox"/> High-voltage Charging Cable - Check presence and condition
<input type="checkbox"/> High-voltage Charging Socket in Charging Door - Check for contamination and damage
<input type="checkbox"/> High-voltage Components - Check for damage to the high-voltage components and lines, battery box, high-voltage connections and coolant connections, labels in the engine compartment and rear area
<input type="checkbox"/> High-voltage Warning Label - Check that they are present
<input type="checkbox"/> Horn - Check function
<input type="checkbox"/> Service Interval Display - Reset
<input type="checkbox"/> Test Drive - Check braking, kickdown, steering, electrical, heating/ventilation systems, air conditioning, handling, and parking brake
<input type="checkbox"/> Tire Pressure Monitoring System - Calibrate to correct tire pressure settings
<input type="checkbox"/> Tire Pressure - Check LF _____ RF _____ LR _____ RR _____ Spare _____
<input type="checkbox"/> Tire Repair Kit - Check for damage and prior use
<input type="checkbox"/> Tires - Check condition and wear pattern. Record tread depth
<input type="checkbox"/> Windshield Wiper/Washer System - Check function and adjust spray nozzle if necessary, fluid level, and freeze protection
<input type="checkbox"/> Wiper Blades - Bring into service position, check for damage, and check park position

## Extended Maintenance

### Labor Item

#### »Labor Operation 01 39 00 XX«

<input type="checkbox"/> Body Interior and Exterior - Check for corrosion
<input type="checkbox"/> Brake System - Check for leaks and damage
<input type="checkbox"/> Coil Springs and Shock Absorbers (front and rear) - Check for damage
<input type="checkbox"/> Interior Lighting - Check function of glove box lights, cigarette lighter/power outlets, luggage compartment, and all warning lights
<input type="checkbox"/> Suspension and Steering - Check ball joints, wheel bearings, drive axles, coupling rods, tie rod ends, and stabilizer bar rubber bushings for damage and excessive play
<input type="checkbox"/> Underbody - Check underbody protection, underbody trim panels, wire routing, and plugs for damage
<input type="checkbox"/> Windshield - Check for damage

## Additional Maintenance Items

Labor Item	Interval	Labor Operation
<input type="checkbox"/> Brake Fluid - Change	Every 2 years, regardless of mileage	0140 00 50
<input type="checkbox"/> Dust and Pollen Filter - Replace	Every 40,000 miles (60,000 kilometers) or 2 years, whichever occurs first	8518 19 XX
<input type="checkbox"/> Tire Filler Bottle - Check expiration date (if equipped)	Every 2 years, regardless of mileage; Must not be more than 4 years old	N/A



### 3 Revision History

DRUCK NUMBER: USA5R507421

Document Revision Date	Notes
03/27/2018	Sunroof not available for e-Golf - all sunroof items removed; e-Golf automatic transmission interval removed per Mathias
03/07/2018	Tires - Rotate (Canada only)
03/05/2018	Brake fluid changed to better match info discovered in Global IGG Every 2 years, regardless of mileage
03/01/2018	New Atlas spark plug interval confirmed and added
02/22/2018	Moved "if equipped"; Removed "AWD only vehicle"; Added "Change ATF" in e-Golf
02/20/2018	02/20 meeting approved changes; "Panoramic"; VW approved lubricant; "if equipped"; "DSG Automatic Transmission"
01/31/2018	Panoramic to Panoramic; added fittings to exhaust; e-Golf updated from 2019 e-Golf global
12/20/2017	New book created for 2019 MY; *major change* toothed belt intervals removed for 2019 MY; CAN auto trans filled for life - not warm weather country - refer to Mathias email

# Cautions & Warnings

**Please read these WARNINGS and CAUTIONS before proceeding with maintenance and repair work. You must answer that you have read and you understand these WARNINGS and CAUTIONS before you will be allowed to view this information.**

- If you lack the skills, tools and equipment, or a suitable workshop for any procedure described in this manual, we suggest you leave such repairs to an authorized Volkswagen retailer or other qualified shop. We especially urge you to consult an authorized Volkswagen retailer before beginning repairs on any vehicle that may still be covered wholly or in part by any of the extensive warranties issued by Volkswagen.
- 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.
- Volkswagen is constantly improving its vehicles and sometimes these changes, both in parts and specifications, are made applicable to earlier models. Therefore, part numbers listed in this manual are for reference only. Always check with your authorized Volkswagen retailer parts department for the latest information.
- Any time the battery has been disconnected on an automatic transmission vehicle, it will be necessary to reestablish Transmission Control Module (TCM) basic settings using the VAG 1551 Scan Tool (ST).
- Never work under a lifted vehicle unless it is solidly supported on stands designed for the purpose. Do not support a vehicle on cinder blocks, hollow tiles or other props that may crumble under continuous load. Never work under a vehicle that is supported solely by a jack. Never work under the vehicle while the engine is running.
- For vehicles equipped with an anti-theft radio, be sure of the correct radio activation code before disconnecting the battery or removing the radio. If the wrong code is entered when the power is restored, the radio may lock up and become inoperable, even if the correct code is used in a later attempt.
- If you are going to work under a vehicle on the ground, make sure that the ground is level. Block the wheels to keep the vehicle from rolling. Disconnect the battery negative terminal (ground strap) to prevent others from starting the vehicle while you are under it.
- Do not attempt to work on your vehicle if you do not feel well. You increase the danger of injury to yourself and others if you are tired, upset or have taken medicine or any other substances that may impair you or keep you from being fully alert.
- Never run the engine unless the work area is well ventilated. Carbon monoxide (CO) kills.
- Always observe good workshop practices. Wear goggles when you operate machine tools or work with acid. Wear goggles, gloves and other protective clothing whenever the job requires working with harmful substances.
- Tie long hair behind your head. Do not wear a necktie, a scarf, loose clothing, or a necklace 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 re-use any fasteners that are worn or deformed in normal use. Some fasteners are designed to be used only once and are unreliable and may fail if used a second time. This includes, but is not limited to, nuts, bolts, washers, circlips and cotter pins. Always follow the recommendations in this manual - replace these fasteners with new parts where indicated, and any other time it is deemed necessary by inspection.

# Cautions & Warnings

- Illuminate the work area adequately but safely. Use a portable safety light for working inside or under the vehicle. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.
- Friction materials such as brake pads and 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.
- Finger rings should be removed so that they cannot cause electrical shorts, get caught in running machinery, or be crushed by heavy parts.
- Before starting a job, make certain that you have all the necessary tools and parts on hand. Read all the instructions thoroughly; do not attempt shortcuts. Use tools that are appropriate to the work and use only replacement parts meeting Volkswagen specifications. Makeshift tools, parts and procedures will not make good repairs.
- Catch draining fuel, oil or brake fluid in suitable containers. Do not use empty food or beverage containers that might mislead someone into drinking from them. Store flammable fluids away from fire hazards. Wipe up spills at once, but do not store the oily rags, which can ignite and burn spontaneously.
- Use pneumatic and electric tools only to loosen threaded parts and fasteners. Never use these tools to tighten fasteners, especially on light alloy parts. Always use a torque wrench to tighten fasteners to the tightening torque listed.
- Keep sparks, lighted matches, and open flame away from the top of the battery. If escaping hydrogen gas is ignited, it will ignite gas trapped in the cells and cause the battery to explode.
- Be mindful of the environment and ecology. Before you drain the crankcase, find out the proper way to dispose of the oil. Do not pour oil onto the ground, down a drain, or into a stream, pond, or lake. Consult local ordinances that govern the disposal of wastes.
- The air-conditioning (A/C) system is filled with a chemical refrigerant that is hazardous. The A/C system should be serviced only by trained automotive service technicians using approved refrigerant recovery/recycling equipment, trained in related safety precautions, and familiar with regulations governing the discharging and disposal of automotive chemical refrigerants.
- Before doing any electrical welding on vehicles equipped with anti-lock brakes (ABS), disconnect the battery negative terminal (ground strap) and the ABS control module connector.
- 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.
- When boost-charging the battery, first remove the fuses for the Engine Control Module (ECM), the Transmission Control Module (TCM), the ABS control module, and the trip computer. In cases where one or more of these components is not separately fused, disconnect the control module connector(s).
- Some of the vehicles 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 operated by an explosive device. Handled improperly or without adequate safeguards, it can be accidentally activated and cause serious personal injury. To guard against personal injury or airbag system failure, only trained Volkswagen Service technicians should test, disassemble or service the airbag system.

## Cautions & Warnings

- Do not quick-charge the battery (for boost starting) for longer than one minute, and do not exceed 16.5 volts at the battery with the boosting cables attached. Wait at least one minute before boosting the battery a second time.
- Never use a test light to conduct electrical tests of the airbag system. The system must only be tested by trained Volkswagen Service technicians using the VAG 1551 Scan Tool (ST) or an approved equivalent. The airbag unit must never be electrically tested while it is not installed in the vehicle.
- Some aerosol 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.
- When driving or riding in an airbag-equipped vehicle, never hold test equipment in your hands or lap while the vehicle is in motion. Objects between you and the airbag can increase the risk of injury in an accident.

**I have read and I understand these Cautions and Warnings.**

