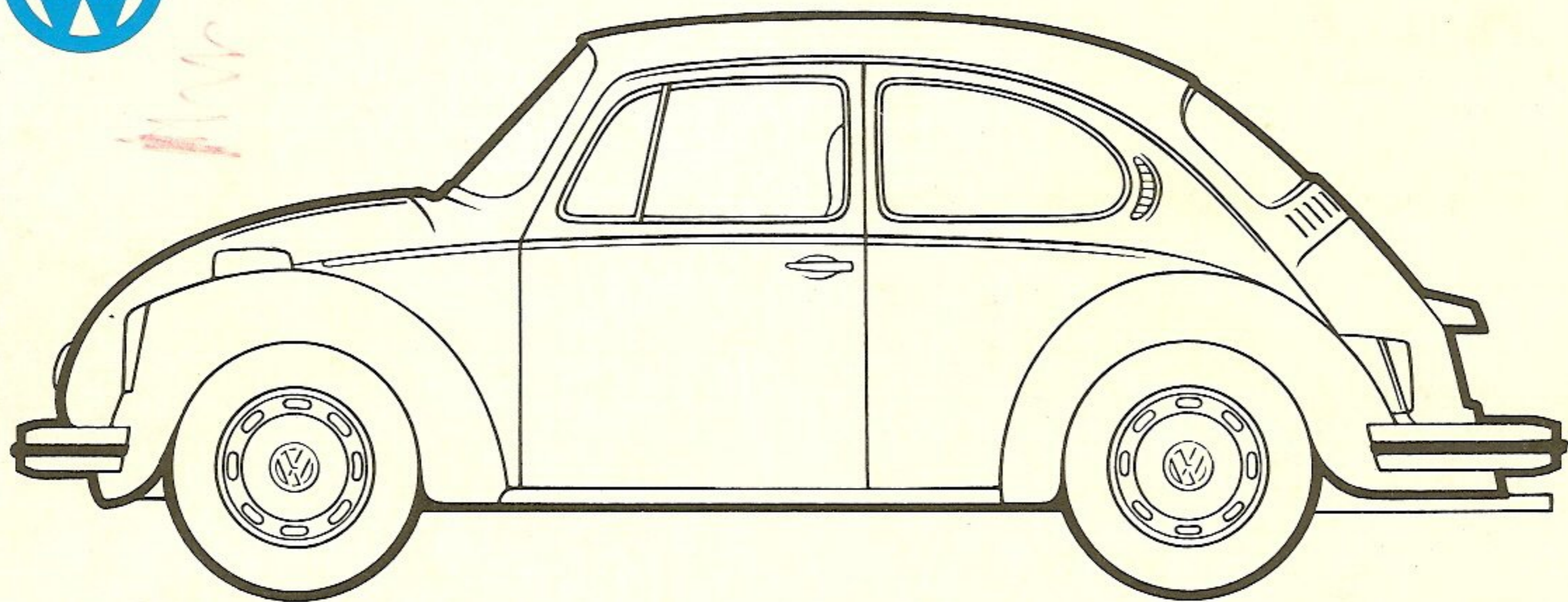


Owner's Manual: Operation and Maintenance

Manuel du Propriétaire: Maniement et Entretien

Type 1/1975



First Owner
Premier propriétaire _____

Address
Adresse _____

Tel. No.
Tél. No _____

Delivery Date
Date de livraison _____

Dealer's Name
Nom du concessionnaire _____

Second Owner
Deuxième propriétaire _____

Address
Adresse _____

Tel. No.
Tél. No _____

Purchase Date _____ Mileage _____
Date d'achat _____ Millage _____

Vehicle Identification/Identification du véhicule

Model
Modèle _____

Model Year
Année automobile _____

Color
Coloris _____

Chassis Number
Numéro de châssis _____

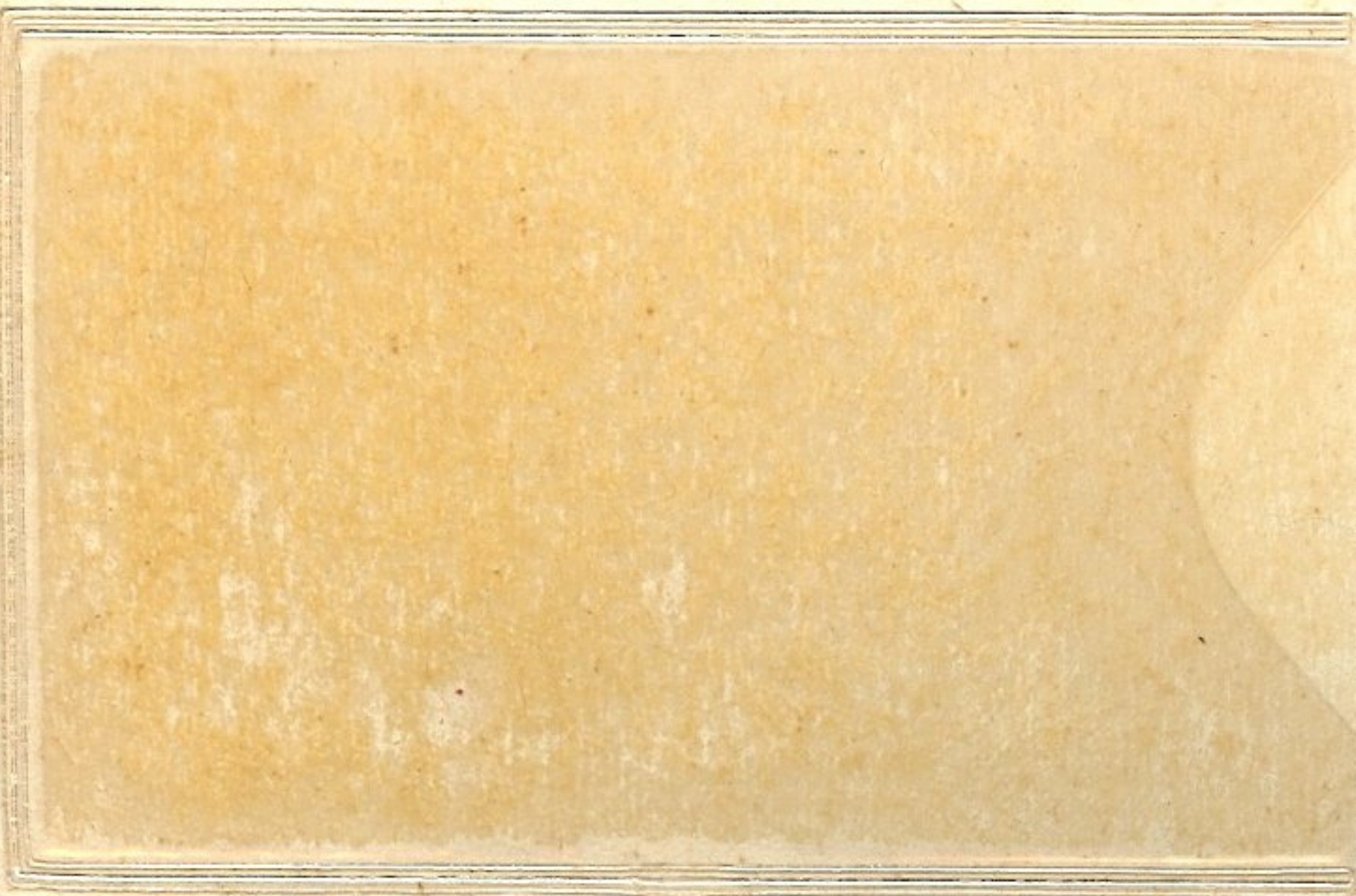
License Plate No.
No d'immatriculation _____

Ownercard

This is another feature of Volkswagen Service that adds to your convenience. Just present this booklet whenever you stop for service at your Authorized Volkswagen Dealer. Your Ownercard will quickly furnish the Service Adviser with your name and address and all pertinent vehicle data.

Carte de propriétaire

C'est une autre caractéristique du Service Volkswagen qui augmente votre confort. Il vous suffit de présenter ce carnet à chaque fois que vous passez chez votre Concessionnaire Volkswagen pour des travaux d'entretien. Votre Carte de propriétaire fournira rapidement à votre Conseiller du Service Après-Vente vos nom et adresse et toutes les caractéristiques indispensables du véhicule.



NEW SAFETY REQUIREMENT

according to Federal Motor Vehicle Safety Standard No. 208, Section 7.4

FOR ADDED SAFETY, some 1975 models are equipped with an Ignition Switch / Safety Belt Interlock.

1. What is the Interlock?

Engine ignition and safety belt system for the front seats are interconnected.

To start the engine, follow these steps:

- SIT DOWN
- BUCKLE UP
- TURN KEY

Otherwise the engine cannot be started.

2. What happens if the engine stalls?

Keep belts on!

Turn the key back to the "off" position and restart the engine.

3. What happens if driver or front passenger take off belts while driving?

Engine will not stop.

Warning light and buzzer will remind driver and passenger to buckle up again.

4. How sensitive is the seat switch?

Shopping bags, heavy packages or pets on the seat will actuate the warning system.

Engine cannot be started until seat is cleared.

5. What about parking lot attendants?

The car can be started, without buckling up, within 3 minutes after the engine has been shut off.

However, the warning system will be actuated.

6. IMPORTANT REMINDER!

NEVER attempt to defeat the Interlock!

If you tamper with the Interlock, you may not be able to start the engine, or the car may become inoperative.

NOUVEL IMPERATIF DE SECURITE

Conforme à la Norme Fédérale 208, section 7.4, de Sécurité des Véhicules Automobiles

POUR UNE SECURITE ACCURE, certains modèles 1975 sont équipés d'un système interlock combinant contact-démarrateur et ceintures de sécurité.

1. Qu'est-ce que l'interlock?

Une interconnexion du contact d'allumage et des ceintures de sécurité des sièges avant.

Pour le lancement du moteur, procédez dans cet ordre: - ASSEYEZ-VOUS
- BOUCLEZ-LA (LES)
- TOURNEZ LA CLE

Sinon le moteur ne peut être lancé.

2. Que se passe-t-il si le moteur cale?

Gardez les ceintures bouclées.

Ramenez la clé à la position «arrêt» et procédez à nouveau au lancement du moteur.

3. Que se passe-t-il si le conducteur ou le passager avant détache sa ceinture pendant la marche?

Le moteur ne s'arrête pas.

Le témoin et le vibreur rappellent au conducteur et au passager de boucler à nouveau leur ceinture.

4. Quelle est la sensibilité du contacteur de siège?

La présence de sacs de marchandises, de lourds bagages ou d'animaux domestiques sur le siège déclenche le système d'alerte.

Le lancement du moteur ne peut être effectué tant que le siège n'est pas libéré.

5. Qu'a-t-on prévu pour les gardiens de parking?

Le lancement du moteur peut être effectué sans boucler la ou les ceintures dans les 3 minutes après que le contact d'allumage ait été coupé.

Le système d'alerte fonctionnera néanmoins.

6. RAPPEL IMPORTANT N'essayez JAMAIS de déjouer le système interlock

Si vous bricolez l'interlock, il se peut que vous ne soyez plus en mesure de lancer le moteur ou que la voiture ne marche plus normalement.

Owner's Manual: Operation and Maintenance

Manuel du Propriétaire: Maniement et Entretien

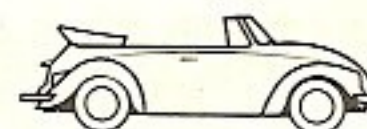
1975 Models
Modèles 1975



Volkswagen 111



Volkswagen 113



**Volkswagen
Convertible / Décapotable**

VOLKSWAGENWERK AKTIENGESELLSCHAFT

When traveling outside Canada and the United States . . .

Federal Laws in the United States and Canada require automobiles to meet specific standards. Therefore, vehicles meeting these specifications may differ from vehicles normally marketed in other countries where necessary spare parts for servicing such vehicles may not be readily available.

U.S. and Canada specification Volkswagen models equipped with fuel injection engines require special service facilities and parts. Such facilities and parts are not commonly available outside the United States and Canada. Since Volkswagen of America, Inc., Volkswagen Canada Ltd. and Volkswagenwerk AG do not recommend the sale of Volkswagen vehicles for use in areas in which adequate service facilities and parts are not available, U.S. and Canada specification Volkswagen models with fuel injection engines are not normally sold for use outside the United States and Canada.

Should you have any questions about the use of U.S. and Canada specification Volkswagen models with fuel injection engines in a particular country or area, we advise that you request specific information from Customer Assistance of Volkswagen of America, Inc., Volkswagen Canada Ltd., Volkswagenwerk AG or from your authorized VW dealer.

© 1974 Volkswagenwerk Aktiengesellschaft

All rights reserved.

May not be reproduced or translated in whole or in part without the written consent of Volkswagenwerk AG.

Specification subject to alteration without notice.

Tous droits réservés.

Traduction ou reproduction, même partielles, interdites sans l'autorisation écrite de la Volkswagenwerk AG.

Modifications réservées sans préavis.

Lorsque vous voyagez en dehors du Canada et des Etats-Unis . . .

Les lois fédérales des Etats-Unis et du Canada exigent des automobiles le respect de certaines normes particulières. De ce fait, les véhicules répondant à ces spécifications peuvent être différents des véhicules normalement commercialisés dans d'autres pays où les pièces détachées pour l'entretien de tels véhicules ne seront éventuellement pas immédiatement disponibles.

Les modèles Volkswagen avec spécifications U.S.A. et Canada, équipés de moteurs à injection d'essence, nécessitent des équipements d'après-vente spéciaux et des pièces particulières. De tels équipements et de telles pièces ne sont pas couramment disponibles en dehors des Etats-Unis et du Canada. Etant donné que la Volkswagen of America, Inc., la Volkswagen Canada Ltd. et la Volkswagenwerk AG ne recommandent pas la vente de véhicules Volkswagen pour une utilisation dans des secteurs dans lesquels les équipements d'après-vente correspondants et les pièces adéquates ne sont pas disponibles, les modèles Volkswagen avec spécifications U.S.A. et Canada et injection d'essence ne sont normalement pas vendus pour être utilisés en dehors des Etats-Unis et du Canada.

Si vous deviez avoir des questions à poser au sujet des modèles Volkswagen avec spécifications U.S.A. et Canada et injection d'essence, relativement à un pays ou à un secteur précis, nous vous conseillons de demander des renseignements détaillés auprès du Bureau des Relations avec la Clientèle de la Volkswagen of America, Inc., de la Volkswagen Canada Ltd. ou de la Volkswagenwerk AG ou de votre concessionnaire VW.

The **VOLKSWAGEN OWNER'S MANUAL** consists of two major parts: operation description and Electronic Analysis & Maintenance record.

The first part acquaints you with your Volkswagen Warranty and the operation of your car. It also gives you information on fuel, oil, lubrication, plus technical data.

The second part deals with the maintenance of your Volkswagen. It explains what the **VOLKSWAGEN ELECTRONIC ANALYSIS** and **MAINTENANCE** is all about, and how to keep your Volkswagen in top driving condition. Check the mileage chart at the end of this manual. It will tell you when to bring your car to your Authorized Volkswagen Dealer for periodic oil change, electronic analysis and maintenance services.

There is no charge for the first maintenance service at 1,000 miles (you only pay for lubricants and filters).

Always have your Volkswagen Owner's Manual with you when you take your car to an Authorized Volkswagen Dealer for service... it provides your Service Adviser with the information he needs and enables him to make the necessary entries for you.

Please read this manual before you drive your new Volkswagen. Acquaint yourself with its features, and know how to operate it more safely... because the more you know about it, the more you will enjoy driving your Volkswagen.

Le **MANUEL DU PROPRIETAIRE VOLKSWAGEN** comprend deux parties principales: la description du maniement et le répertoire d'Analyse Electronique et d'Entretien.

La première partie vous fait connaître la garantie Volkswagen et le maniement de votre véhicule. Elle vous donne des indications sur les carburants, les huiles et le graissage ainsi que les caractéristiques techniques.

La deuxième partie traite de l'entretien de votre Volkswagen. Elle vous explique ce qu'est l'**ANALYSE ELECTRONIQUE** et l'**ENTRETIEN VOLKSWAGEN** et comment garder votre Volkswagen au maximum de sa condition. Consultez le tableau des millages à la fin du présent Manuel. Il vous indiquera à quel moment vous devez amener votre voiture chez votre Concessionnaire Volkswagen pour les services réguliers de vidange d'huile, d'analyse électronique et d'entretien.

Il n'y a pas de frais pour le premier service d'entretien aux 1,000 milles (vous ne payez que les lubrifiants et les filtres).

Ayez toujours sur vous votre Manuel du Propriétaire Volkswagen lorsque vous amenez votre voiture chez un Concessionnaire Volkswagen pour l'entretien... Il fournit à votre Conseiller Après-Vente les renseignements dont il a besoin et le met en mesure de faire pour vous les reports nécessaires.

Veillez lire le présent Manuel avant de conduire votre nouvelle Volkswagen. Familiarisez-vous avec elle et apprenez à l'utiliser avec encore plus de sûreté... parce que mieux vous connaîtrez votre Volkswagen, plus vous aurez de plaisir à la conduire.

Contents

	Page		Page		Page
Address change cards	D 20	Gas Station Information	D 26	Speedometer with fuel gauge and warning lights	12
Air cleaner	50	Glove compartment	20	Starting hints	20
Alternator warning light	12	Headlight switch	11	Sun visors	15
Ashtrays	15	Heater	22	Technical data	58
Assist straps and coat hooks	15	Heater lever spot light	22	Tires	30
Automatic Stick Shift	18	Ignition/steering lock	10	Towing and trailer hauling	28
Automatic Transmission Fluid	49	Instrument illumination	11	Transmission oil grades	53
Auxiliary Heater	27	Instrument panel	8	Troubleshooting	54
Battery	38	Interior light	15	Turn signal/headlight dimmer switch lever	13
Brake fluid reservoir	37	Jack	32	V-belt: adjusting or replacing	46
Brake warning light	11	Keys	4	Vehicle Identification	3
Bulb chart	43	Lane changer	13	Ventilation	24
Bulb replacing	44	Lubricants	52	Warranty	VII
Changing a wheel	33	Lubrication	51	Windows	5
Changing engine oil	48	Luggage compartments	21	Windshield washer fluid container	37
Chassis number	3	Maintenance record	D 15	Windshield wiper/washer lever	13
Checking engine oil level	47	Manual Transmission	16	Winter operation	29
Cleaning your VW	41	Manual Transmission oil	49		
Convertible top	26	Oil pressure warning light	12		
Dear VW Owner	1	Rear seat: removing and installing	43		
Defroster	22	Rear view mirrors	14		
Doors	4	Rear window defogger	14		
Electronic Analysis and Maintenance	D 1	Safety belts	6		
Emergency flasher	10	Seats	5		
Engine oil grades	52	Sliding roof	25		
Fan belt: adjusting or replacing	46	Spare wheel	31		
Fuel gauge	12	Spark plugs: cleaning and replacing	47		
Fuel supply	38				
Fuses	39				

Sommaire

	Page		Page		Page
Alimentation en essence	38	Dégivrage	22	Plafonnier	15
Analyse Electronique et Entretien . . D	1	Dégivrage de lunette AR	14	Pneus	30
Automatic Stick Shift	18	Dépannage	54	Poignées-passager et crochets portemanteaux	15
Banquette arrière: dépose et repose	43	Eclairage du tableau de bord	11	Portes	4
Batterie	38	Feux de détresse	10	Remorquage et traction d'une remorque	28
Boîte à gants	20	Filtre à air	50	Remplacement des ampoules	45
Boîte Manuelle	16	Fusibles	39	Répertoire d'Entretien	D 15
Bougies: nettoyage et remplacement	47	Garantie	VII	Réservoir de lave-glace	37
Capote de la Décapotable	26	Glaces	5	Réservoir de liquide de frein	37
Caractéristiques techniques	58	Graissage	51	Rétroviseurs	14
Cartes de changement d'adresse . . D	20	Huile de boîte – viscosités	53	Roue de secours	32
Ceintures de sécurité	6	Huile de Boîte Manuelle	49	Sièges	5
Cendriers	15	Huile-moteur – viscosités	52	Tableau de bord	8
Changement d'une roue	33	Identification du véhicule	3	Tableau des ampoules	43
Chauffage	22	Indicateur de changement de couloir	13	Tachymètre avec indicateur de niveau d'essence et témoins	12
Chauffage d'Appoint	27	Indicateur de niveau d'essence	12	Témoin de l'alternateur	12
Cher Utilisateur VW	1	Informations pour la station-service	D 28	Témoin de pression d'huile	12
Clés	4	Leviers de chauffage: spot d'éclairage	22	Témoin des freins	10/11
Coffres à bagages	21	Liquide de Boîte Automatique	50	Toit ouvrant	25
Commande clignotants et inverseur-code	13	Lubrifiants	52	Ventilation	24
Commande essuie-glace et lave-glace	13	Nettoyage de votre VW	41	Vérification du niveau de l'huile-moteur	47
Commutateur des phares	11	Numéro de châssis	3	Vidange d'huile-moteur	49
Conduite en hiver	29	Pare-soleil	15		
Conseils pour le lancement	20				
Contact-démarrreur/antivol de direction	10				
Courroie: réglage ou remplacement .	46				
Cric	33				

Pictures and text in this manual are based on the 1975 VW 113 with Manual Transmission. Where the controls, equipment and technical data of the VW 111, the Automatic Stick Shift and the Convertible differ considerably, we will point this out in the text.

Various items shown or described in the manual may be options on certain models. Check with your Authorized VW Dealer on available options or accessories.

It has always been Volkswagen's policy to continuously make technical improvements; therefore, the right is reserved to make changes at any time during the model year without notice.

Volkswagen offers a quality product. Maintain this quality by having your Volkswagen serviced regularly. A service schedule that we recommend is explained in the section **Volkswagen Electronic Analysis and Maintenance**.

Should you have occasion to make use of your Volkswagen Warranty, it is always helpful to have the related service receipts handy.

Les figures et le texte de la présente Notice se rapportent à la VW 113, modèle 1975, avec Boîte Manuelle. Lorsque les commandes, l'équipement et les caractéristiques techniques de la VW 111, de l'Automatic Stick Shift et de la Décapotable différaient sensiblement, nous en avons fait mention dans le texte.

Certains équipements montrés ou décrits dans le Manuel peuvent correspondre à des options sur certains modèles. Vérifiez avec votre Concessionnaire VW quelles sont les options ou accessoires disponibles.

La politique de Volkswagen a toujours été d'apporter continuellement des améliorations techniques; tous droits d'opérer des changements sans préavis et à tout moment de l'année automobile sont donc réservés.

Volkswagen offre un produit de qualité. Préservez cette qualité en faisant faire l'entretien régulièrement. Un schéma d'entretien que nous recommandons est expliqué dans la section **Analyse Electronique et Entretien Volkswagen**.

Si vous avez à faire usage de votre Garantie Volkswagen, il est utile d'avoir sous la main les factures relatives à l'entretien effectué.

VW WARRANTY VOUCHER / Bon de Garantie VW

For the new 1975 Volkswagen automobile.
pour l'automobile Volkswagen neuve modèle 1975.

Type/Type _____

Chassis No./Châssis No _____

Engine No./Moteur No _____

The warranty begins on the day the new VW automobile is delivered to the original retail purchaser,

La garantie commence au jour de livraison de l'automobile VW au premier acquéreur au détail,

namely on/à savoir le _____

(to be filled in by authorized VW Dealer)
(à remplir par le Concessionnaire VW)

(Stamp of authorized
VW Dealer)

(Cachet du
Concessionnaire VW)

in accordance with the terms of warranty printed overleaf.
conformément aux conditions de garantie imprimées au verso.

Speedometer Replacement Remplacement du tachymètre

Date/Date _____

At Mileage/Millage _____

Make, Model
Marque, modèle _____

(Stamp of authorized
VW Dealer)

(Cachet du
Concessionnaire VW)

Should any warranty claim arise, present this voucher to your authorized VW Dealer.

Dans le cas d'une demande d'application de la garantie, présenter ce bon à votre concessionnaire VW.

VOLKSWAGEN CANADA, LTD.

Francis H. H. H.

Warranty for New Volkswagen Vehicles

This warranty is issued by Volkswagen Canada Ltd. ("VWC"), the authorized Canadian Distributor of Volkswagen vehicles.

Free repair or replacement in Canada and the United States of America of defective parts for 12 months or 20,000 miles

1. VWC warrants that every 1975 Volkswagen vehicle distributed by VWC and sold as a new vehicle to a retail customer will be free from defects in material and workmanship for 12 months after the date of delivery of the vehicle to the original retail customer or until the vehicle has been driven 20,000 miles, whichever comes first.

In addition, VWC warrants every internal engine part and the internal parts of automatic and manual shift transmission of such vehicles to be free from defects in material and workmanship for 24 months or 24,000 miles, whichever comes first.

This warranty is limited, however, to the following: If the vehicle becomes defective under normal use and service and is brought during this period to the workshop of any authorized Volkswagen dealer in Canada, the continental United States or Hawaii, the dealer will, without charge, repair any defective part or replace it with a new or factory reconditioned part.

Maintenance required to keep warranty in effect

2. In order to keep this warranty in effect, the owner must have the vehicle maintained and serviced as prescribed in the Volkswagen Maintenance Schedule.

Garantie pour les Véhicules Volkswagen Neufs

La présente garantie émane de la Volkswagen Canada Ltd. («VWC»), distributeur autorisé des véhicules Volkswagen au Canada.

Réparation ou remplacement gratuits au Canada et aux Etats-Unis d'Amérique des pièces défectueuses pendant 12 mois ou 20,000 milles

1. La VWC garantit chaque véhicule Volkswagen modèle 1975 distribué par elle et vendu neuf et au détail à la clientèle contre tout défaut de matière et d'usinage pour une période de 12 mois à compter de la date de livraison du véhicule au premier acquéreur au détail ou jusqu'à 20,000 milles, selon la première éventualité qui se réalise.

De plus, la VWC garantit toutes les pièces à l'intérieur du moteur et à l'intérieur de la boîte automatique ou de la boîte de vitesses manuelle de tels véhicules contre tout défaut de matière et d'usinage pour une période de 24 mois ou de 24,000 milles selon la première éventualité qui se réalise.

La présente garantie se borne toutefois à ce qui suit: si le véhicule vient à présenter une défectuosité dans des conditions normales d'utilisation et de service et est amené pendant cette période à l'atelier d'un concessionnaire Volkswagen au Canada, dans la partie continentale des Etats-Unis ou à Hawaii, le concessionnaire procédera gratuitement à la réparation de la pièce défectueuse ou à son remplacement par une pièce neuve ou reconditionnée à l'usine.

Entretien requis pour maintenir la garantie en vigueur

2. Pour que la présente garantie reste en vigueur, le propriétaire doit faire effectuer l'entretien et le service du véhicule comme il est indiqué dans le Répertoire d'Entretien Volkswagen.

Items not covered by warranty

3. VWC is not responsible for: (i) damage or malfunctions resulting from: (a) accident, misuse, negligence or alteration; (b) improper repair of the vehicle; (c) use of the vehicle in competitive events; or (d) failure to follow recommended maintenance requirements; or (ii) loss of time, inconvenience, loss of use of the vehicle or other consequential damage.

Maintenance services, and the replacement of service items, such as air and fuel filters, and lubricants and fluids are also at the expense of the owner.

Warranty outside Canada and the United States of America

4. If the vehicle is brought to an authorized Volkswagen workshop outside Canada, the continental United States or Hawaii, VWC's warranty will not be applicable and defective parts will be repaired or replaced free of charge with new or factory reconditioned parts only within the terms and limitations of the warranty for new Volkswagen vehicles in effect in the country where such authorized Volkswagen workshop is located.

NO OTHER WARRANTIES MADE

5. THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES OF VWC, THE MANUFACTURER, THE DISTRIBUTOR AND THE SELLING DEALER. NEITHER VWC NOR THE MANUFACTURER ASSUMES, OR AUTHORIZES ANY PERSON TO ASSUME, ON ITS BEHALF, ANY OTHER OBLIGATION OR LIABILITY.

Exclusions

3. La VWC n'est pas responsable: (I) des dommages ou défauts de fonctionnement dus: (a) à un accident, une utilisation inadéquate, une négligence ou une transformation; (b) à une réparation inadéquate du véhicule; (c) à l'utilisation du véhicule dans des compétitions; ou (d) au non-respect des impératifs de l'entretien recommandé; et (II) des pertes de temps, des désagréments, de l'immobilisation du véhicule ou d'autres dommages intervenant comme conséquences.

Les services d'entretien et le remplacement d'éléments d'entretien, tels que filtres à air et à essence, lubrifiants et liquides, sont à la charge du propriétaire.

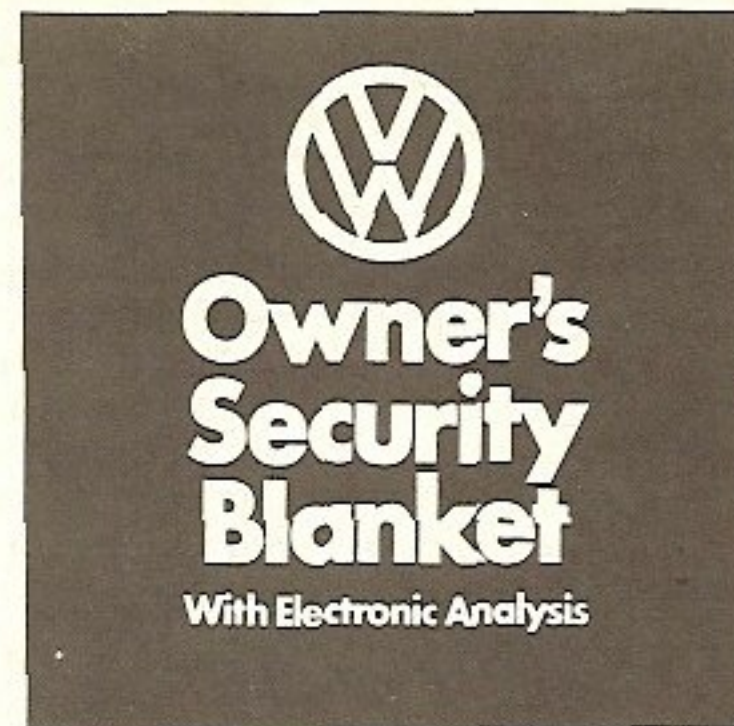
Garantie hors du Canada et des Etats-Unis d'Amérique

4. Si le véhicule est amené dans un atelier agréé Volkswagen hors du Canada, de la partie continentale des Etats-Unis ou d'Hawaii, la garantie de la VWC ne sera pas applicable et il ne sera procédé gratuitement à la réparation des pièces défectueuses ou à leur remplacement par une pièce neuve ou reconditionnée à l'usine que dans les limites et conformément aux conditions de la garantie en vigueur pour les véhicules Volkswagen neufs dans le pays où se trouve un tel atelier agréé Volkswagen.

AUCUNE AUTRE GARANTIE N'EST ACCORDEE

5. LA PRÉSENTE GARANTIE TIENT LIEU DE TOUT AUTRE GARANTIE EXPRESSE DE LA VWC, DU CONSTRUCTEUR, DU DISTRIBUTEUR ET DE L'AGENT-VENDEUR. NI LA VWC, NI LE FABRICANT N'ASSUMENT OU N'AUTORISENT UNE QUELCONQUE PERSONNE À ASSUMER EN LEUR NOM TOUTE AUTRE OBLIGATION OU RESPONSABILITE.

The VW Owner's Security Blanket



A Strong New Car Warranty

Dealer Workmanship Guarantee

Our Fault Transportation

Parts and Accessories Warranty

Electronic Analysis

Express Care

Service Rent-A-Bug

New Vehicle Warranty

If you maintain and service your 1975 model Volkswagen as prescribed in the **VW Maintenance Schedule**, any factory parts found to be defective in material or workmanship within 12 months or 20,000 miles, whichever comes first, will be repaired or replaced free of charge by any authorized Canadian or U.S. Volkswagen dealer. Excepted are filters, fluids and lubricants.

Even the following are covered:

Brake pads/linings and clutch linings

As long as you have brakes and clutch adjusted when necessary, in accordance with the maintenance schedule, we will replace pads and linings free of charge if they should wear out during the new vehicle warranty period.

Rubber blades for windshield wipers, sealed beams and other light bulbs. If the rubber blades for the windshield wipers wear out or the light bulbs become defective during the new vehicle warranty period, we will replace them free of charge.

Spark plugs and ignition points should be replaced in accordance with the maintenance schedule. One set of spark plugs and points will be provided free of charge for installation in connection with the first scheduled electronic analysis. You only pay for installation and adjustments.

Battery

In case of a defect in material or workmanship within the new vehicle warranty period, the battery will be replaced free of charge.

Original equipment tires are covered against defects in material and workmanship, as well as road hazards, on a pro-rated basis, as determined by the remaining tread depth.

La couverture Tout Repos du Propriétaire VW

Une solide Garantie Voiture Neuve

Garantie d'Atelier

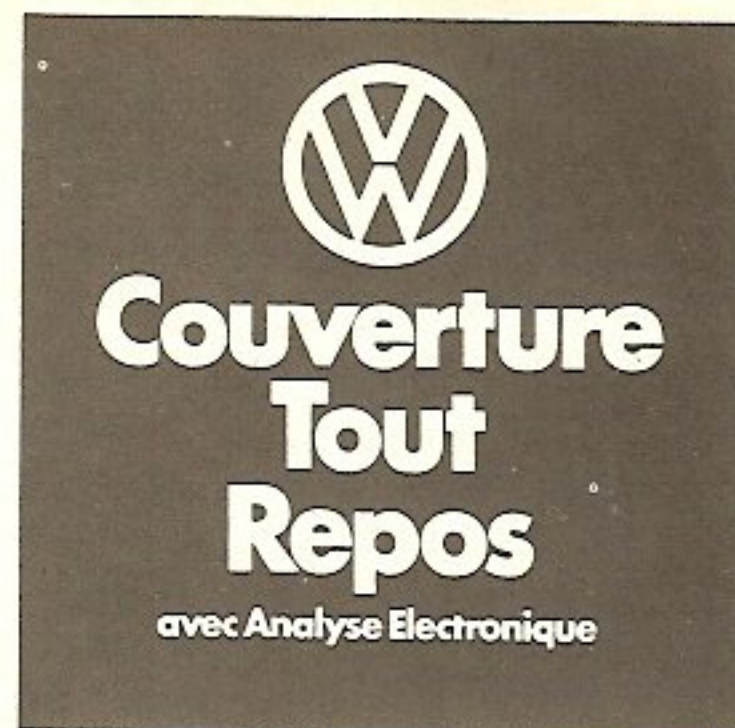
Notre Transport de Remplacement

Garantie Pièces et Accessoires

Analyse Electronique

Service Express

Service Rent-A-Bug



Garantie Véhicule Neuf

Si vous prenez soin de votre Volkswagen modèle 1975 et l'entretenez comme indiqué dans le **Répertoire d'Entretien VW**, les pièces d'usine reconnues comme comportant des défauts de matière ou d'usinage dans les 12 mois ou 20,000 milles, selon la première éventualité qui se produit, seront réparées ou remplacées gratuitement par tout Concessionnaire Volkswagen canadien ou américain. Font exception les filtres, les liquides et les lubrifiants.

Même ce qui suit est couvert:

Garnitures/patins de freins et garnitures d'embrayage

Dans la mesure où, si nécessaire, les freins et l'embrayage seront réglés conformément au Répertoire d'Entretien, nous remplacerons les patins et les garnitures gratuitement au cas où ils seraient usés au cours de la période de garantie du véhicule neuf.

Caoutchoucs des raclettes d'essuie-glace, éléments sealed beam et autres ampoules d'éclairage. Si les caoutchoucs des raclettes d'essuie-glace s'usent ou si les ampoules deviennent défectueuses durant la période de garantie du véhicule neuf, nous les remplacerons gratuitement.

Bougies et contacts de rupteur devraient être remplacés conformément au Répertoire d'Entretien. Un jeu de bougies et de contacts de rupteur sera fourni gratuitement pour une pose en corrélation avec la première analyse électronique prévue. Vous ne payez que la pose et les réglages.

Batterie

Dans le cas d'un défaut de matière ou d'usinage durant la période de garantie du véhicule neuf, la batterie sera remplacée gratuitement.

Les pneus de première monte sont garantis contre les défauts de matière et d'usinage, ainsi que contre les risques de la route à raison du prorata déterminé d'après la profondeur restante de la bande de roulement.

In addition to the 12-month/20,000-mile new vehicle warranty, VWC covers certain engine and transmission components of 1975 Volkswagen models up to 24 months or 24,000 miles, whichever comes first.

Covered are internal engine components like cylinder head, camshaft and valve drive train, crankcase/engine block, crankshaft and camshaft bearings, connecting rods, pistons. Also included are pressure sensors and electronic control units for fuel injection.

Covered are all internal parts of the transmission, plus the case, the torque converter and drive plate. Excluded are axles and suspension parts.

Dealer Workmanship Guarantee

Authorized VW dealers in Canada and in the U. S. guarantee their workmanship on all repairs for a period of 6 months or 6,000 miles, whichever comes first. Excluded are service and maintenance items, and normal wear and tear.

Our Fault Transportation

As part of the Owner's Security Blanket, authorized Volkswagen dealers will lend qualified owners another car for local use, free of charge. This applies whenever a new vehicle warranty repair cannot be completed to make your VW operative and safe to drive, on the day scheduled.

Parts and Accessories Warranty

New or factory-rebuilt parts and accessories distributed by VWC and sold by authorized VW dealers in Canada and in the U.S. are guaranteed to be free from defects under normal use for a period of 6 months or 6,000 miles, whichever comes first.

Electronic Analysis

VW electronic analysis establishes for your car just the proper amount of service it needs to run in top driving condition. A printed Test Report will show precisely what work is necessary in addition to the regular maintenance and oil change services.

Express Care

If your VW can be fixed in 30 minutes or less, your authorized VW dealer will fix it while you wait. No appointments are necessary.

Service Rent-A-Bug

This customer service has been provided to give you a minimum of inconvenience when you bring your VW to your authorized VW dealer. You can rent another car, at nominal cost, while your VW is being serviced.

En plus de la garantie véhicule neuf de 12 mois/20,000 milles, la VWC garantit certains éléments de moteur et de boîte des Volkswagen modèle 1975 jusqu'à 24 mois ou 24,000 milles selon la première éventualité qui se réalise.

Sont couvertes les pièces à l'intérieur du moteur, telles que culasse, arbre à cames et commande des soupapes, carter-moteur/bloc-moteur, paliers de vilebrequin et d'arbre à cames, bielles, pistons. Sont aussi inclus les détecteurs de pression et l'appareil de commande de l'injection d'essence.

Sont couvertes toutes les pièces intérieures de la boîte, plus le carter de boîte, le convertisseur de couple et le disque d'entraînement. Sont exclus les essieux et les pièces de suspension.

Garantie atelier

Les concessionnaires VW au Canada et aux U.S.A. garantissent tous leurs travaux de réparation pour une période de 6 mois ou de 6,000 milles, selon la première éventualité qui se réalise. Sont exclues les pièces de service et d'entretien et l'usure normale.

Notre transport de remplacement

Dans le cadre de la couverture tout repos, les concessionnaires Volkswagen prêteront gratuitement aux propriétaires habilités une autre voiture pour utilisation dans la localité. Ceci est applicable lorsqu'un véhicule VW neuf réparé sous garantie ne peut être terminé et utilisé en toute sécurité au jour prévu.

Garantie pièces et accessoires

Les pièces et accessoires neufs ou reconditionnés distribués par la VWC et vendus par les concessionnaires VW au Canada et aux U.S.A. sont garantis contre tout défaut dans les conditions normales d'utilisation pour une période de 6 mois ou de 6,000 milles, selon la première éventualité qui se réalise.

Analyse électronique

L'analyse électronique VW détermine pour vous exactement l'entretien dont votre voiture a besoin pour la maintenir au maximum de sa condition. Un Rapport de Vérification imprimé montrera précisément quel travail est nécessaire en plus des services réguliers d'entretien et de vidange d'huile.

Service Express

Si votre VW peut être réparée en 30 minutes ou moins, votre Concessionnaire la réparera tandis que vous attendez. Il n'est pas nécessaire de prendre rendez-vous.

Service Rent-A-Bug

Ce service client a été créé pour réduire les désagréments, au minimum lorsque vous amenez votre VW chez votre Concessionnaire. Vous pouvez louer une voiture, moyennant des frais symboliques tandis que l'on fait l'entretien de votre VW.



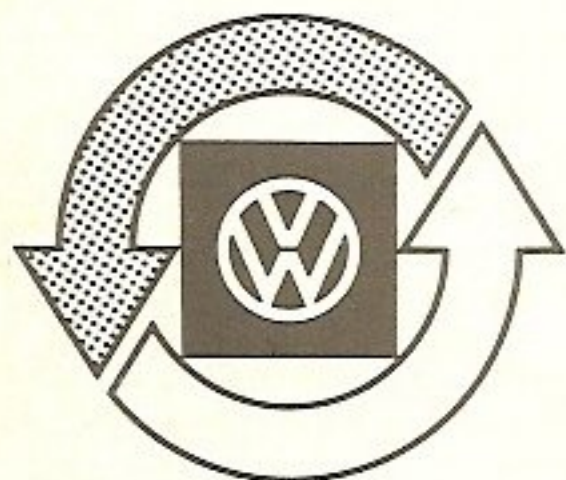
Volkswagen parts, accessories and exchange units are identified by these trademarks.

All meet the same exacting quality control standards as the original equipment on the car, and comply with all applicable Government safety regulations.

They are guaranteed to be free from defects in material and workmanship for a period of 6 months or 6,000 miles, whichever comes first.

All Volkswagen parts and accessories are available at your Authorized Volkswagen Dealer.

Also, ask him about rebuilt parts under the Volkswagen Exchange Service . . . they cost less than new parts but carry the same warranty.



Les pièces, accessoires et ensembles d'échange-standard VW sont reconnaissables grâce à ces marques de fabrique.

Toutes ces fournitures répondent aux mêmes normes de contrôle-qualité que l'équipement d'origine de la voiture et sont conformes à tous les règlements gouvernementaux de sécurité.

Elles sont garanties contre tout défaut de matière et d'usinage pour une période de 6 mois ou de 6,000 milles, selon la première éventualité qui se réalise.



Toutes les pièces et tous les accessoires Volkswagen sont disponibles chez votre Concessionnaire Volkswagen.

Interrogez-le sur les pièces reconditionnées dans le cadre du Service d'Echange-Standard Volkswagen . . . elles sont meilleur marché que les pièces neuves et bénéficient de la même garantie.



Dear VW Owner:

A lot has gone into the manufacture of your Volkswagen. Including advanced engineering techniques, rigid quality control and demanding inspections. The engineering and safety features that have gone into your VW will be enhanced by . . . you,

the safe driver

– who knows his vehicle and all the controls,

– who maintains his vehicle properly,

– who uses his driving skills wisely.

Because safe driving is important to you, we urge you to read this manual carefully, to maintain your VW properly and to follow the check list shown on this page whenever you use your VW.

Before getting behind the wheel:

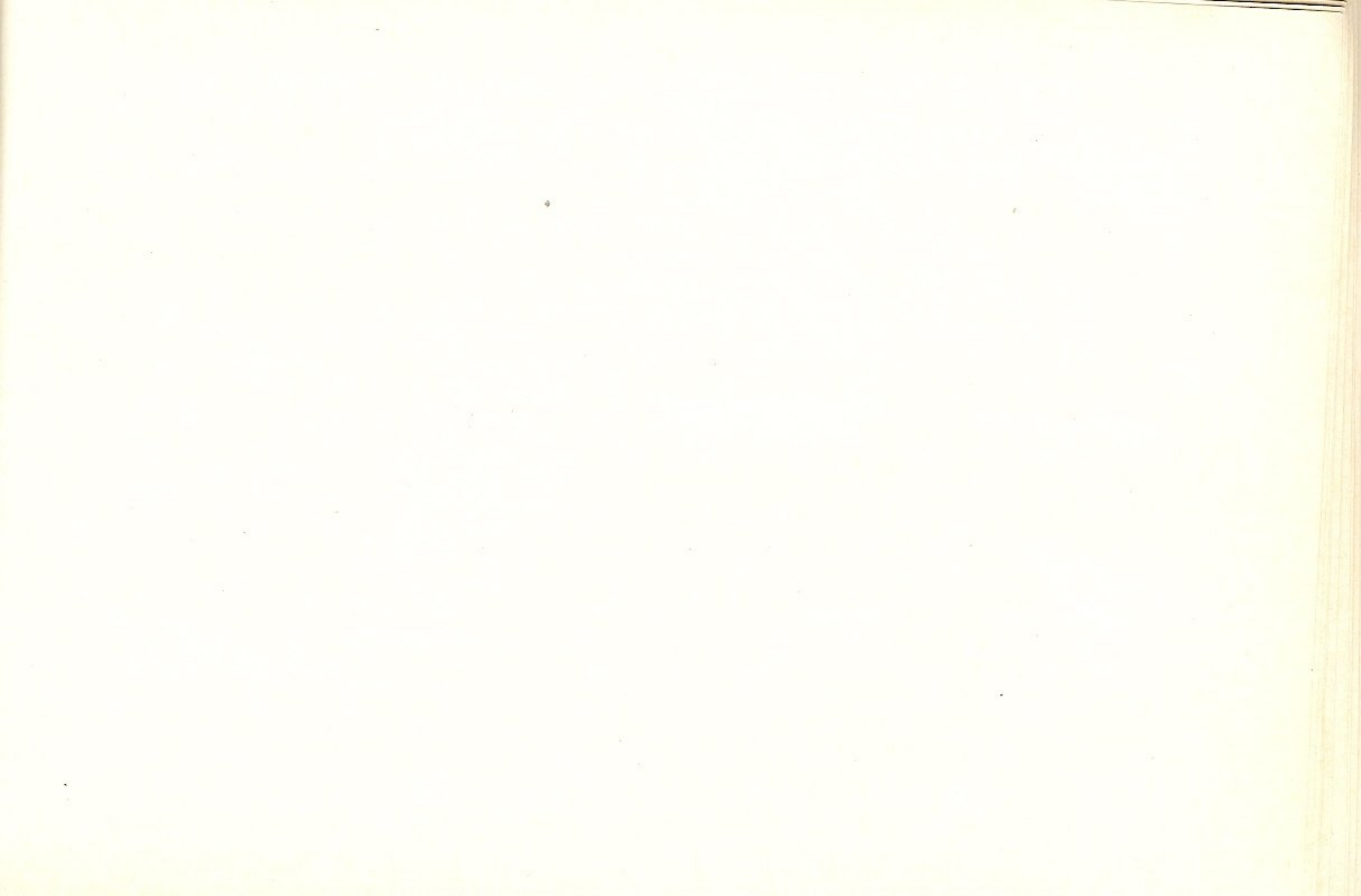
- 1 – Make sure that the tires are inflated correctly.
- 2 – Watch the tread depth indicator on the tires. Look for bruises and wear.
- 3 – See that all windows are clean and unobstructed.
- 4 – Check that headlight and tail light lenses are clean.
- 5 – Check that all lights are functioning properly.
- 6 – Check turn signal lamps and indicator light (ignition on).

In the driver's seat:

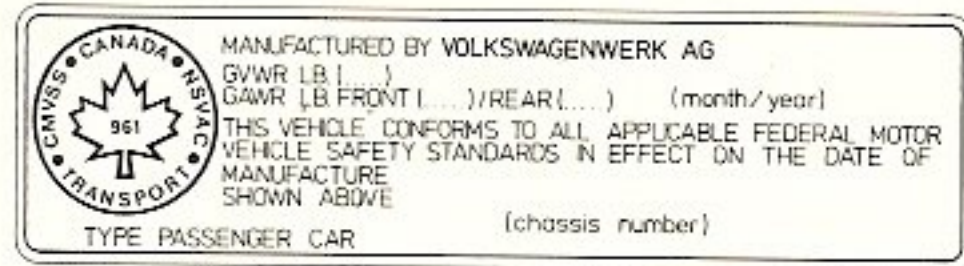
- 1 – Position seat properly for easy reach of controls.
- 2 – Adjust inside and outside mirrors for unobstructed rear view.
- 3 – Fasten safety belts.
- 4 – Check brake warning light when starting the engine.
- 5 – Check brake operation.
- 6 – Make sure that all doors are closed securely and locked.

And when you are on the highway:

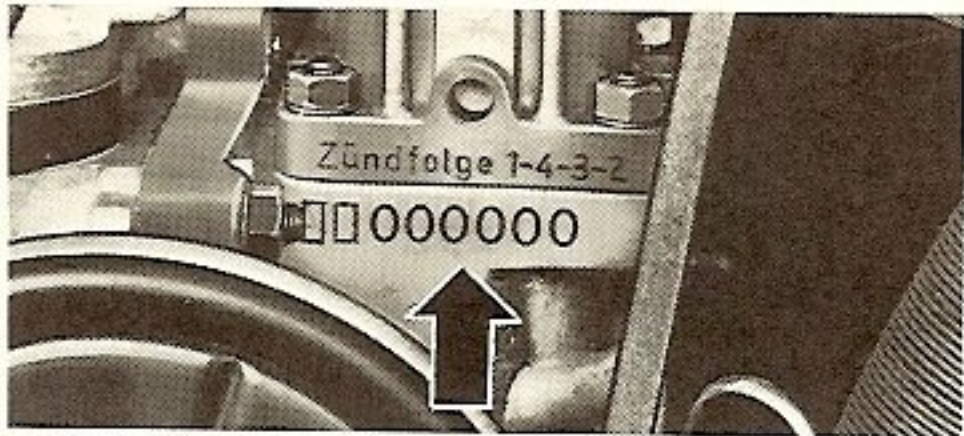
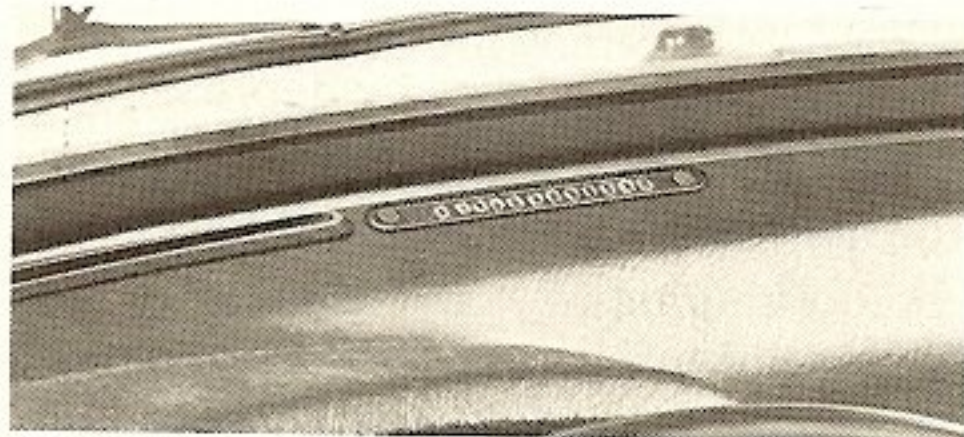
- 1 – Always drive defensively. Expect the unexpected.
- 2 – Use signals to indicate turns and lane changes.
- 3 – Turn on headlights at dusk.
- 4 – Follow at a safe distance. A good rule of thumb is to allow a minimum of one car length for each 10 mph of speed.
- 5 – Reduce speed during night hours and inclement weather.
- 6 – Observe speed limits and obey highway signs.
- 7 – When tired, get off the highway, stop and take a rest.
- 8 – When stopped or parked, always set the parking brake.
- 9 – When stalled or stopped for repairs, move the car well off the road. Set the emergency flasher and use road flares or other warning devices to warn other motorists.



Vehicle Identification



813-246



Safety Compliance Sticker

This sticker is your assurance that your 1975 Volkswagen complies with all applicable Federal Motor Vehicle Safety Standards which were in effect at the time the vehicle was manufactured. You can find this sticker on the left doorjamb.

The sticker also shows the manufacturer's name, the month and year of production and the chassis number of your car (perforation) as well as the **Gross Vehicle Weight Rating** and the **Gross Axle Weight Rating**.

The chassis number

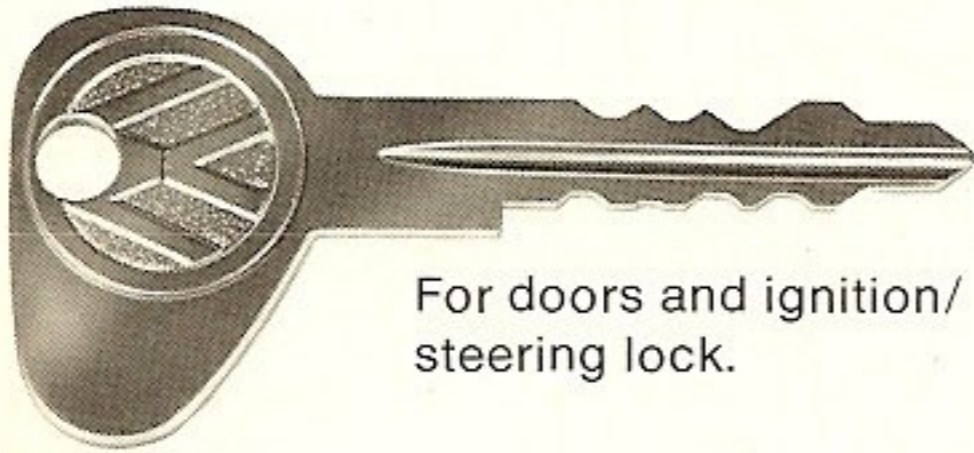
is also located on the instrument panel on the driver's side so that it is visible from the outside through the windshield. This is for your protection . . . to aid in the apprehension of car thieves and the recovery of stolen vehicles.

The engine number

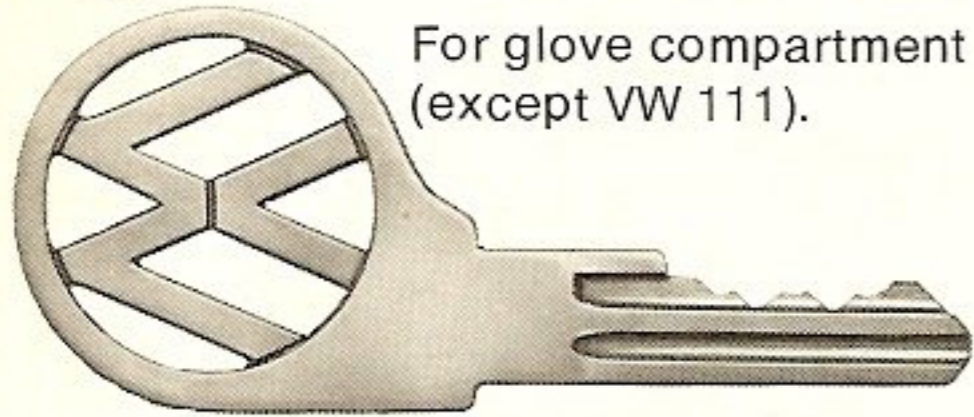
is stamped on the alternator support flange.

Keys

Your Volkswagen comes with two sets of keys:



For doors and ignition/steering lock.



For glove compartment (except VW 111).

Do not invite car theft

by leaving your car unattended with the key in the ignition lock. Take the key with you and lock the doors.

A buzzer will remind you when you open the driver's door and the key is still in the ignition lock.

It is a good idea to keep a record of your key numbers in your wallet together with your license. If you should lose a key, your Authorized VW Dealer will thus be able to quickly secure a replacement key for you.

Doors

Always drive with locked doors to prevent inadvertent opening of a door from the inside, especially with smaller children in the car.

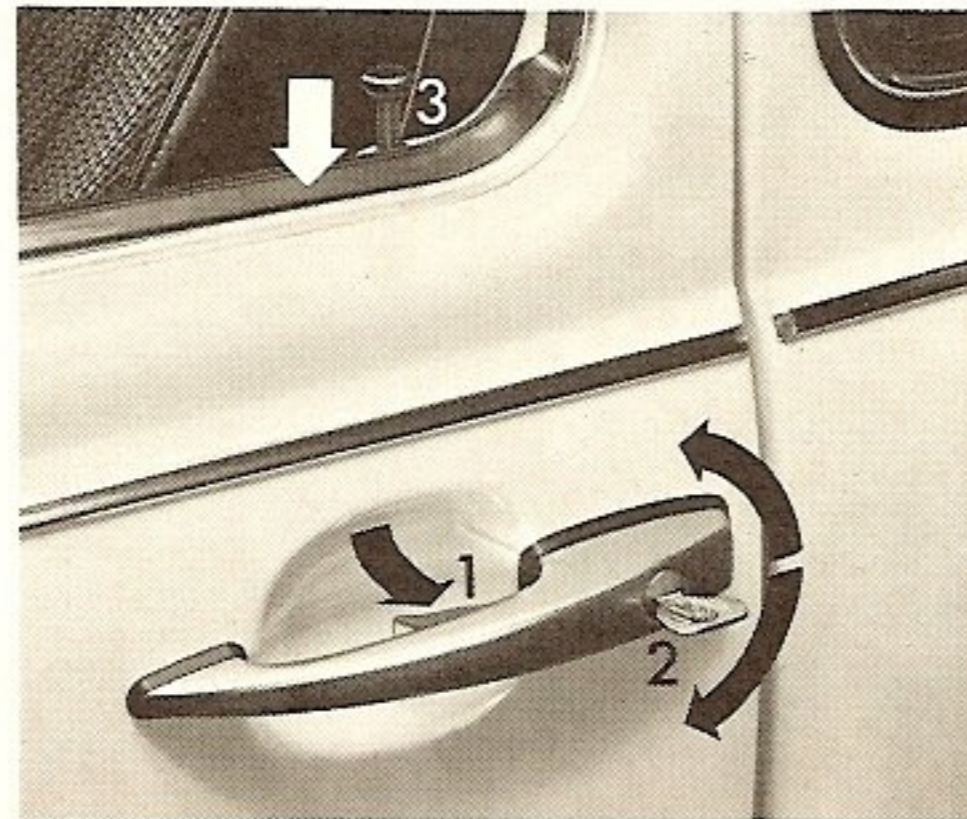
Door locks

Outside:

Open doors by squeezing trigger in outer door handle (1).

Lock and unlock doors with the key by turning the key to the left or right (2).

Doors can also be locked without a key. First depress locking knob (3), then squeeze trigger in outer door handle as you close door.



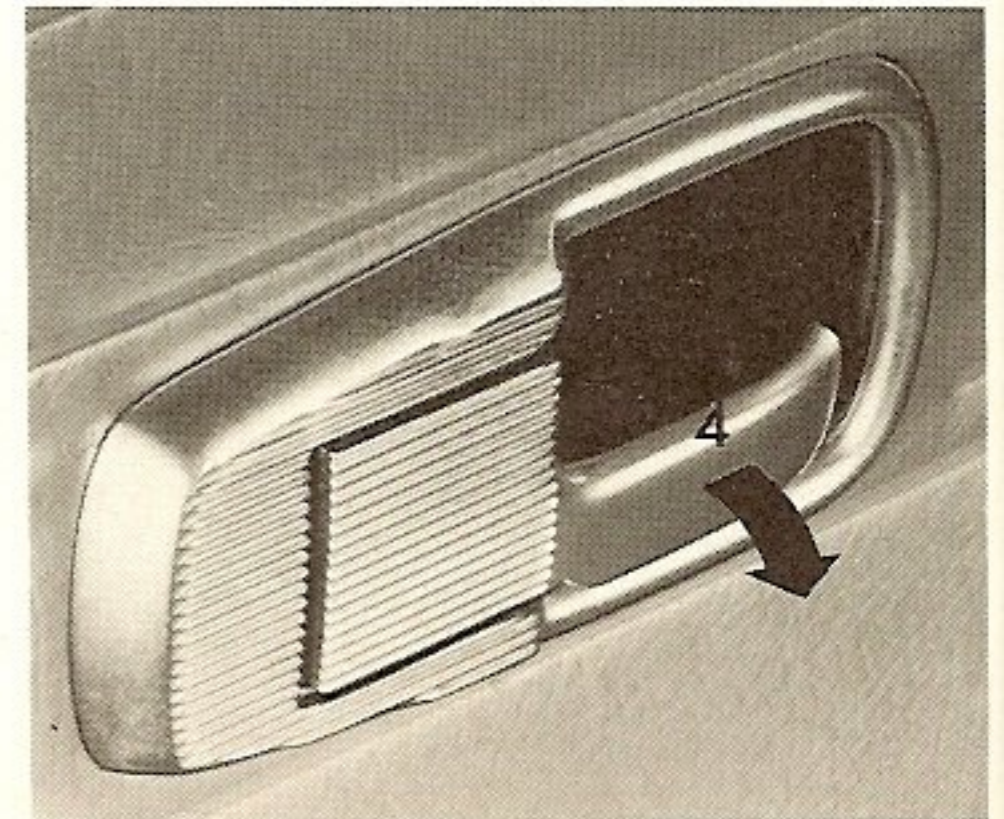
If the door, with the locking knob depressed, closes by itself, the locking knob will disengage automatically. We provided this additional safety feature so you won't be locked out if the door should slam shut while the key is still inside the car.

Inside:

Lock and unlock doors by depressing or raising locking knob (3).

To open doors, pull inside door handle (4).

Since your VW is almost air-tight, it will be easier to close the door if you open a window slightly.



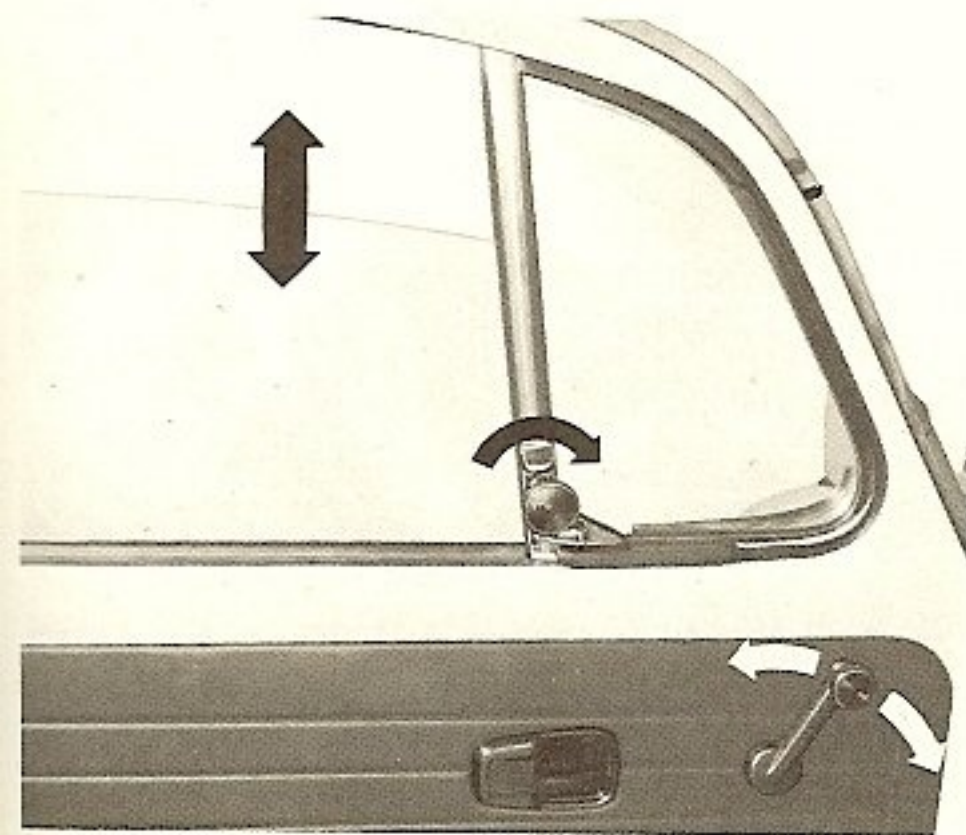
Windows

We recommend you do not put decals or other signs on the windows of your car that will interfere with the driver's vision.

You can lower and raise the windows in the front doors by means of winders. We cushioned the knobs for your safety.

To open the vent window, turn knob into driving direction, move locking lever forward and push out window.

To make closing the vent window easier, we suggest you first push on the forward part of the vent window so that it fits snugly against the weatherstripping. Then grasp the knob, and move the lever back to lock it in place.



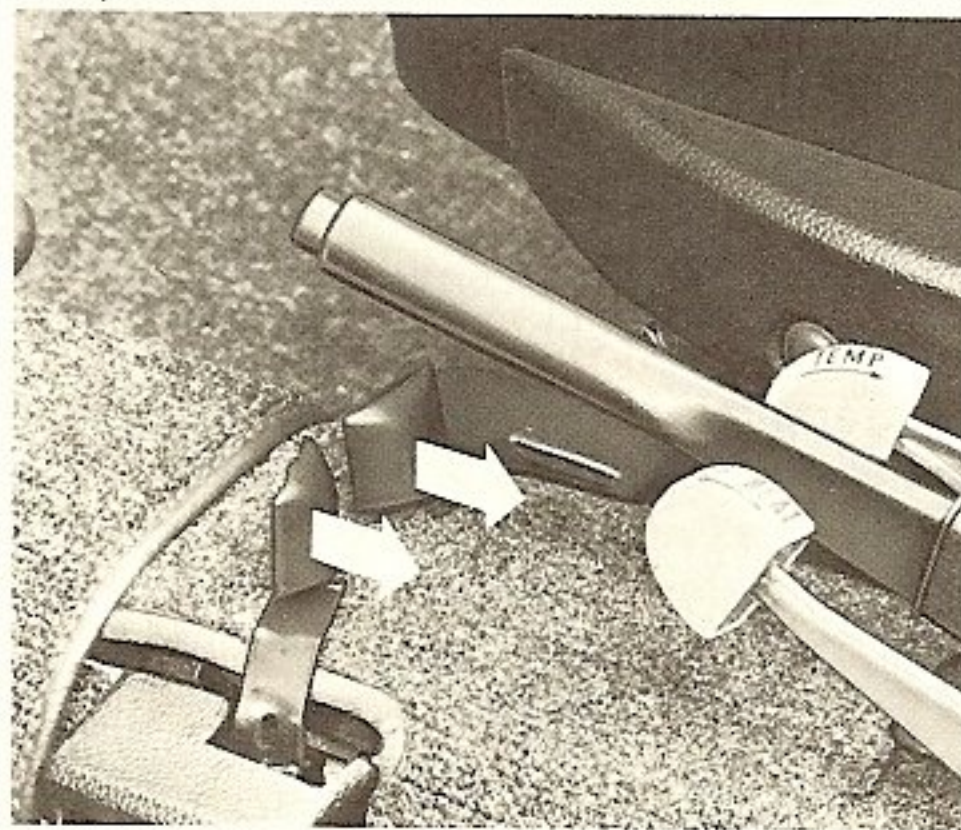
Seats

We recommend you do not adjust the driver's seat while driving. Your seat may suddenly jerk forward or backward, which could result in loss of control.

Your Volkswagen has adjustable front seats with built-in headrests.

Seat adjustment

To move the seat forward and backward pull the lever on the inboard side of the seat. Now slide the seat to the desired position. Let the lever go, and move the seat slightly back and forth to make sure it is securely engaged.

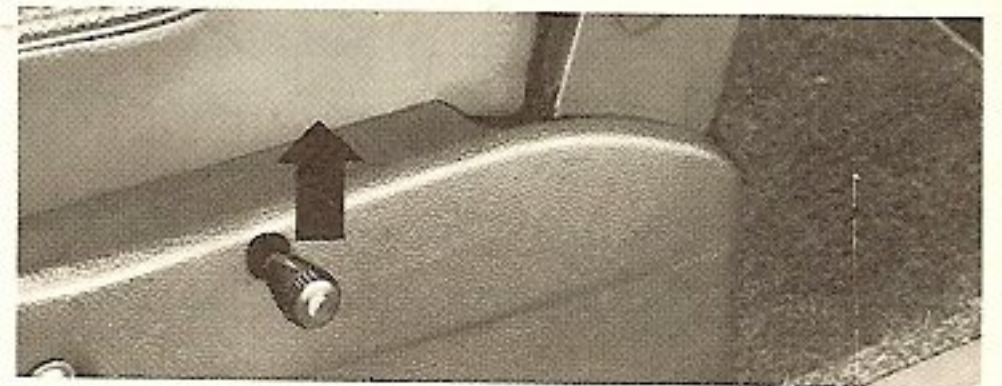
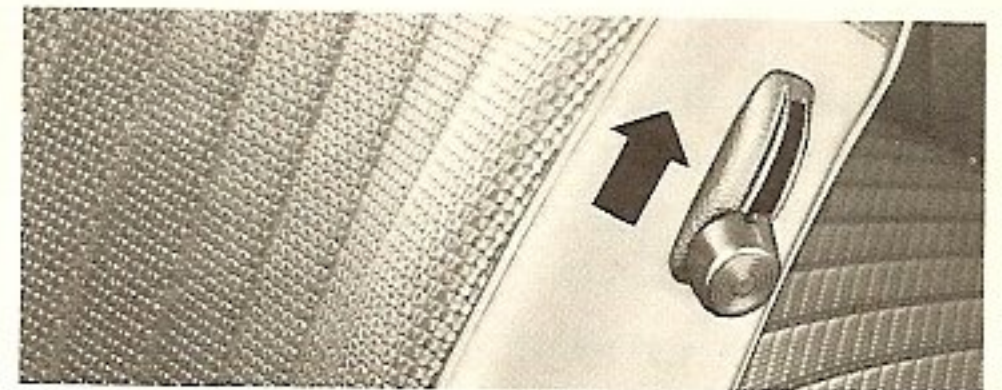


Backrest adjustment

To adjust the backrest, lift the lever at the outboard side of the seat cushion as you exert slight body pressure in the direction desired. Let the lever go to lock the backrest in position.

We have installed a lock on the outboard side of the backrest.

You can disengage this lock by pulling up the lever. Tilt the backrest forward and out of the way for easy access to the rear seat and rear luggage compartment.



Safety belts

A safety belt is provided for each seating position in your Volkswagen. For your protection, **wear your safety belt at all times while the car is in motion.**

Safety belts that were subjected to excessive stretch forces during an accident should be replaced.

Safety belts for front seats

Engine ignition and safety belts for the front seats are interconnected.

To remind you to wear your safety belts, on some vehicles the engine cannot be started before the seat is occupied and the safety belts are fastened. This applies to the driver's seat and the front passenger's seat.

The sequence: sitting in your seat, buckling up and starting the engine is important on these vehicles.

Unfastening the belts once the engine is started does not stop the engine.

Unfastening the belts while driving also does not stop the engine; however, the buzzer and FASTEN BELT warning light will remind you to buckle up again.

Your engine can be restarted, without wearing safety belts, within approx. 3 minutes after you shut off the engine, or if the engine should happen to stall.

This applies regardless of whether you remain seated or leave the car. This feature was added to make it possible to move the car readily, e.g. by a parking attendant.

There is a small flow of current from the battery to the weight sensor in the seat switch if heavy objects are left on the front seats. Therefore **keep the front seats free when parking your car for an extended period of time.**

The front seats are equipped with lap/shoulder belts with an automatic locking retractor. The belt adjusts automatically to your size and movements as long as the pull on the belt is slow. **A sudden motion locks the belt.** The automatic locking mechanism in the retractor will also lock the belt when driving down a steep hill or in a curve, and when the car's speed is reduced.



Do not strap in more than one person in each belt.

A shoulder belt should not be worn by a person less than 4' 7" in height, because it would not be in its most protective position, and therefore may increase the possibility of injury in a collision.

To fasten your lap/shoulder belt, grasp the belt tongue and pull the belt in a continuous slow motion across your chest and lap. Insert the belt tongue into the corresponding anchor housing on the center tunnel and push down until it is securely locked with an audible click. **Belts should not be worn twisted.**

To unfasten the belt, push in the release marked PRESS on the corresponding anchor housing. The belt tongue will spring out of the anchor housing.

To store the lap/shoulder belt, guide the belt tongue to its stowed position behind the assist strap on the door post. For the passenger's comfort, the retracting forces of the belt are relatively low and winding up of the belt may be slow. Make sure the belt is fully wound up on the retractor.

Safety belts for rear seats

The rear seats are equipped with lap belts with an automatic retractor. If you have pulled out too much of the belt, the retracting mechanism will take up the slack until the belt fits snugly across your lap and will stay locked in this position.



To fasten your lap belt, grasp the belt tongue on the outboard side of the seat, and pull it across your lap and insert the tongue in the inboard buckle. Push in until you hear a click to be sure the belt is locked securely.

To unfasten the belt, push in the release marked PRESS in the buckle.

To store the belt, guide the belt tongue to the retractor. Make sure the belt is fully wound up on the retractor. **Belt tongue and buckle should always be kept on top of the seat for ready use. Do not permit them to get caught under the seat.**

Belt care

Keep safety belts clean. If cleaning is necessary, wash them with a mild soap solution, without removing them from the car.

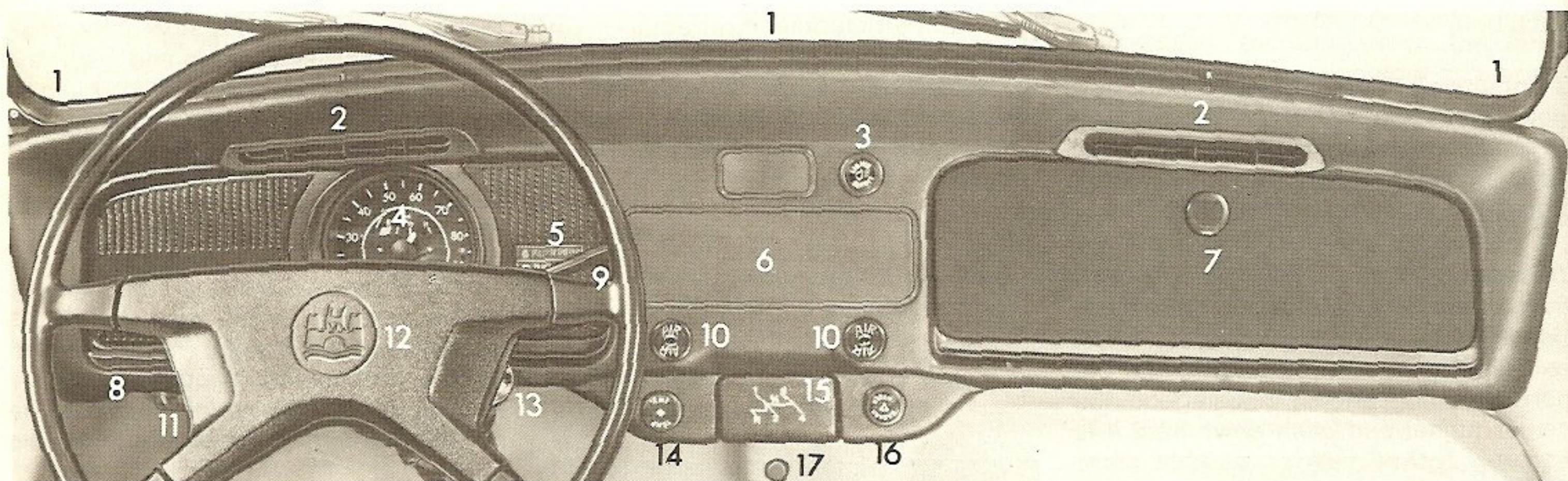
Do not allow the belts to retract until they are completely dry.

Do not bleach or dye safety belts. Do not use any other cleaning agents. They may weaken the webbing.

Check buckles and retractors for proper function. Check belt webbing and bindings for damage.

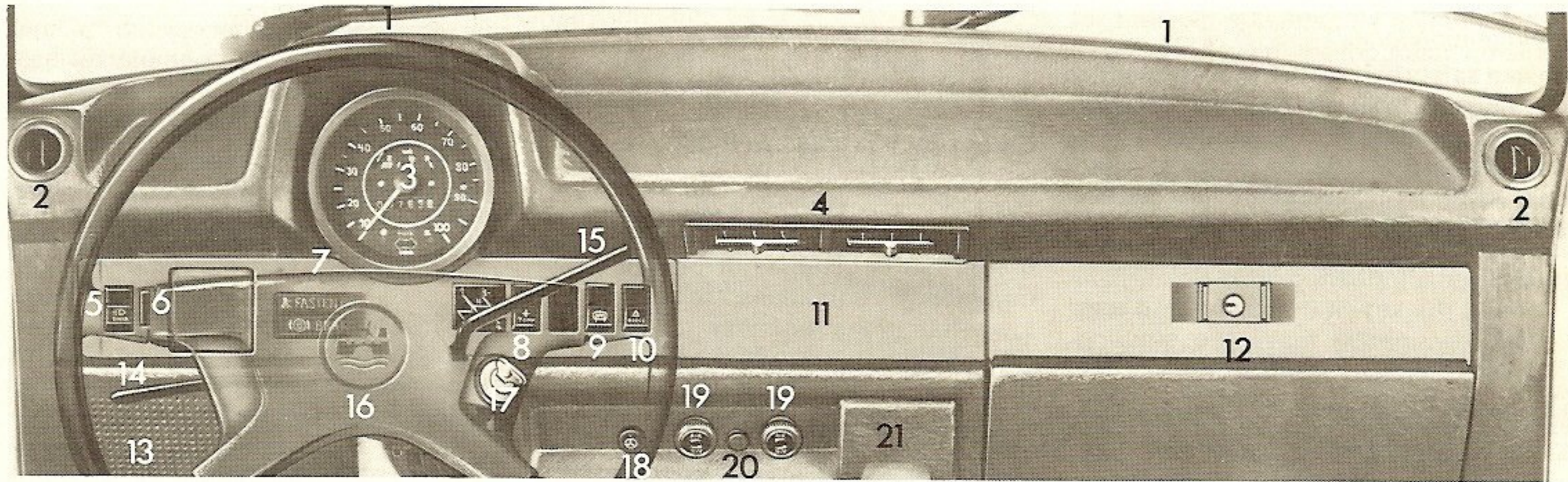
Instrument panel

VW 111



- | | | | |
|--|-------|--|----|
| 1 – Vents for heating/defrosting (there are 3) | 23 | 10 – Fresh air control knobs (2) | 25 |
| 2 – Vents for heating/defrosting and fresh air ventilation
(there is a pair on each side) | 23/25 | 11 – Fuse box | 39 |
| 3 – Headlight switch | 11 | Switch for rear window defogger
(optional equipment) | 14 |
| 4 – Speedometer dial with fuel gauge and warning lights | 12 | 12 – Horn | |
| 5 – Safety belt and brake warning light | 6, 11 | 13 – Ignition/steering lock | 10 |
| 6 – Plate over radio aperture | | 14 – Control knob for Auxiliary Heater
(optional equipment) | 27 |
| 7 – Glove compartment | 20 | 15 – Ashtray | 15 |
| 8 – Turn signal and headlight dimmer switch lever | 13 | 16 – Emergency flasher switch | 10 |
| 9 – Windshield wiper/washer lever | 13 | 17 – Spot light to illuminate the heater levers between
the front seats | 22 |

VW 113 and Convertible



1 – Vents for heating/defrosting and fresh air ventilation (there are 2)	22	10 – Emergency flasher switch	10
2 – Vents for heating/defrosting and fresh air ventilation for the front side windows (there is one on each side)	23	11 – Plate over radio aperture	
3 – Speedometer dial with fuel gauge and warning lights	12	12 – Glove compartment, lockable	20
4 – Vents for fresh air ventilation (2)	24	13 – Loudspeaker grille	
5 – Headlight switch	11	14 – Turn signal and headlight dimmer switch lever	13
6 – Instrument illumination	11	15 – Windshield wiper/washer lever	13
7 – Safety belt and brake warning light	6, 11	16 – Horn	
8 – Control switch for Auxiliary Heater (optional equipment)	27	17 – Ignition/steering lock	10
9 – Switch for rear window defogger (optional equipment)	14	18 – Knob for fresh air fan	24
		19 – Fresh air control knobs (2)	24
		20 – Spot light to illuminate the heater levers between the front seats	22
		21 – Ashtray	15

Ignition/steering lock

The steering is equipped with an anti-theft ignition lock.

Fasten safety belts. Otherwise the engine on vehicles with safety belt interlock system cannot be started (see also pages 6 and 20). Make sure the gear-shift lever is in Neutral before turning the ignition key.

1 – Ignition off/steering locked.

Insert the key. If it is difficult to turn the key, gently move the steering wheel until the key turns freely.

2 – Ignition on/steering free (for towing).

3 – Starter engages.

The key returns to position 2 as soon as it is released. Never operate the starter longer than a few seconds. If the engine should fail to start, turn the key back to position 1 and repeat the starting procedure. More on starting on page 20.

To remove the key and to lock the steering, turn the key back to position 1 and pull it out. Turn the steering wheel until it locks.

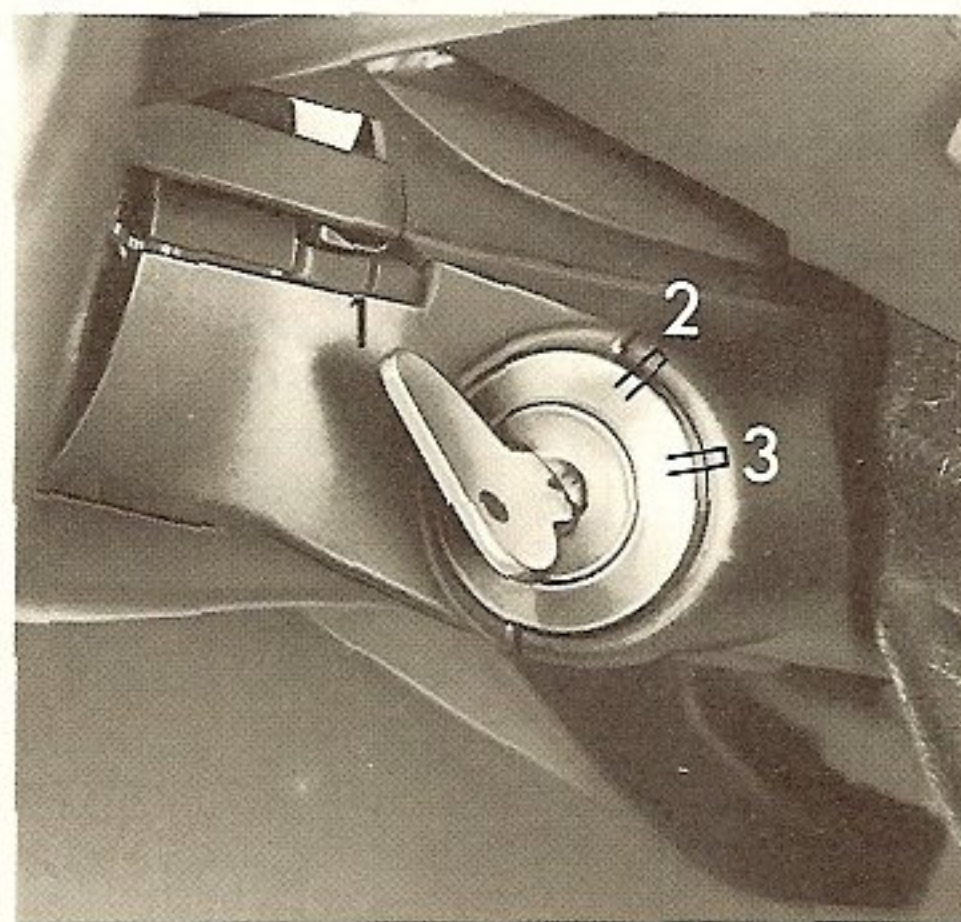
The steering column will lock when you remove the key. Therefore DO NOT REMOVE the key while you are driving or as the car is rolling to a stop.

If you leave the key in the ignition/steering lock, the buzzer will sound when the driver's door is opened. This is your reminder to remove the key.

Emergency flasher switch

VW 113:  VW 111: 

If your car is disabled or parked under emergency conditions, depress the lower half of the rocker switch (VW 111: pull out the knob) to make all four turn signals flash simultaneously. The warning light in the switch or knob flashes, too.



When the headlight switch is operated, the emergency flasher switch or knob glows with reduced brightness for easy recognition in the dark. When the emergency flasher is not in operation, the brightness of the light can be regulated together with the instrument panel lights (see instrument illumination). The light has full brightness when the emergency flasher system is in operation.

Move the car well off the road when stalled or stopped for repairs.



Brake warning light



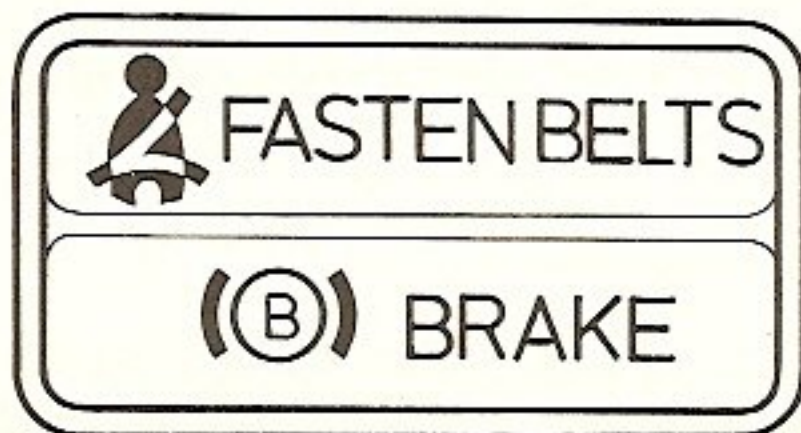
Your Volkswagen is equipped with a dual circuit brake system. Both circuits, one for the front brakes and one for the rear brakes, can function independently.

If the brake warning light lights up when you apply the brakes while driving, one of the two brake circuits may have failed. First make sure the parking brake is fully released.

Note

If one brake circuit should have failed, the other will still operate, but a longer distance and greater pedal pressure are required to bring the car to a halt.

Pull off the road and stop.



Try out the effectiveness of the brakes by carefully starting and stopping on the road shoulder.

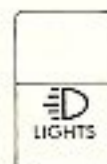
If you judge that the brakes operate safely enough to take you to the nearest dealer, proceed cautiously and at low speed. If you do not feel it is safe to continue, have your car towed to the nearest dealer for repair.

Proper functioning of brake warning light

The brake warning light will light up when the ignition is turned on. It will go out after the engine has been started and the parking brake released. This is your assurance that the brake warning light functions properly.

If the brake warning light does not light up when turning on the ignition, or if it does not go out after starting the engine and releasing the parking brake, there may be a defect in the electrical system. If this is the case, contact your Authorized VW Dealer.

Headlight switch – VW 113



Depress the rocker switch to the first stop to turn on the parking and side

marker, license plate, tail and instrument lights, emergency flasher light, spot light for the heater levers and the light in the TEMP-switch for the optional Auxiliary Heater.

Depress the switch to the second stop to turn on the headlights (ignition on).

Instrument illumination – VW 113

Turn the thumb wheel next to the rocker switch to adjust the brightness of the instrument lights and the heater lever spot light.

Headlight switch – VW 111



Pull the knob to the first stop to turn on the parking and side marker, license plate, tail and instrument lights, emergency flasher light, spot light for the heater levers and the light in the TEMP-switch for the optional Auxiliary Heater. Pull the knob to the second stop to turn on the headlights (ignition on).

Instrument illumination – VW 111

Adjust the brightness of the instrument lights and the heater lever spot light by turning the headlight switch knob.

Note

To preserve the battery, the headlights will go out automatically when the ignition is turned off or when the engine is started.

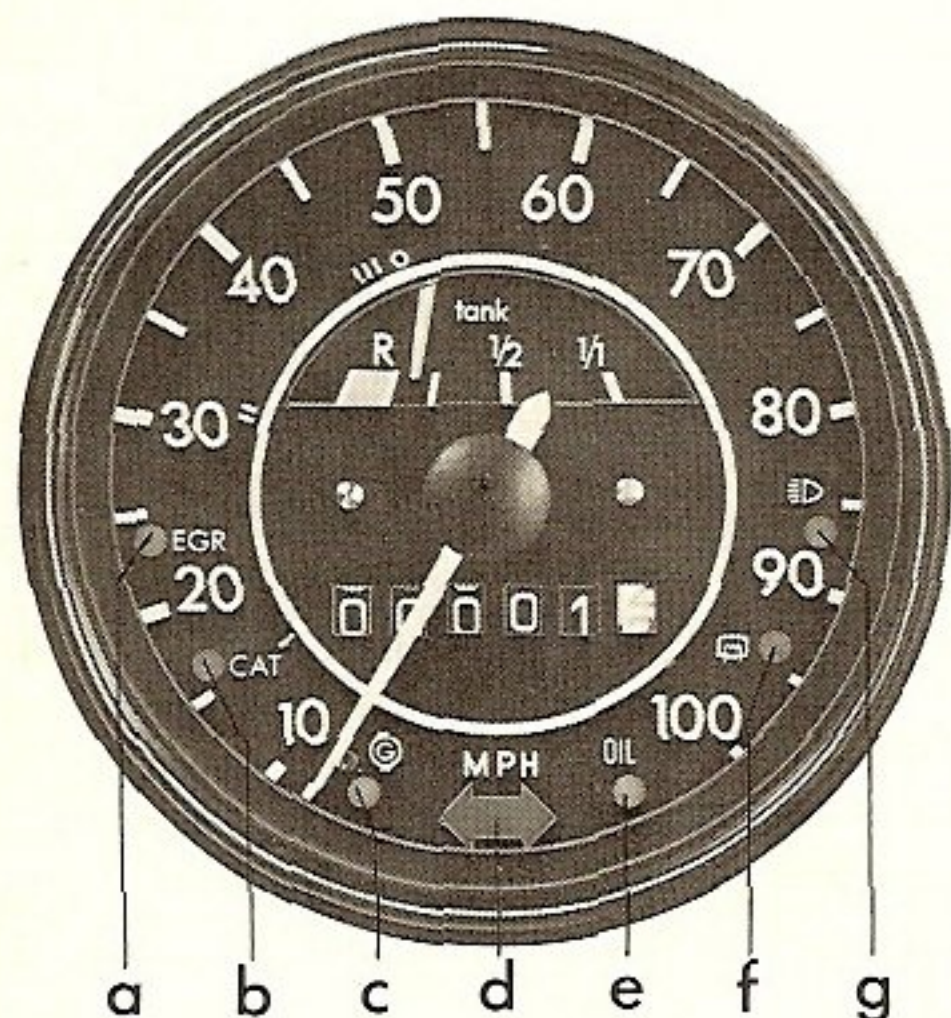
Speedometer dial

The speedometer indicates the speed; the odometer records the miles driven. The last digit in red indicates 1/10 of a mile.

The following warning lights are in the speedometer dial:

a – Exhaust gas recirculation light **EGR**
(not connected).

b – Catalytic converter light **CAT**
(not connected).



c – Alternator warning light



Stop at once . . .

if the alternator warning light comes on while you are driving.

Turn the engine off!

Check first whether the V-belt is slipping or broken. The V-belt not only drives the alternator but also the fan that cools the engine.

Tighten or replace the belt (see also page 55/"Troubleshooting", items 15 and 16).

e – Oil pressure warning light **OIL**

Stop at once . . .

if the oil pressure warning light comes on while you are driving.

Turn the engine off!

Check the oil level to make sure you have enough oil. If the cause is somewhere else, do not drive on but contact your nearest Authorized VW Dealer.

An occasional flickering of the oil pressure warning light when the engine is idling after a long high-speed trip is no cause for concern if the light goes out upon acceleration.

The red warning lights for alternator and oil pressure in the speedometer dial will light up when the ignition is turned on. They should go out after you have started the engine.

Warning lights (d) and (g) see next page. Warning light (f) see page 14.

Whenever stalled or stopped for repair, move the car well off the road. Turn on the emergency flasher and mark the car with road flares or other warning devices. Before working on any part in the engine compartment, turn the engine off and wait until the engine has cooled down sufficiently.

Fuel gauge

It is located in the speedometer dial, and only indicates the fuel level when the ignition is turned on.

When the needle is on "R", there is a reserve of about 1 gallon of fuel left in your tank . . . time to refuel at the next gas station.

Turn signal/headlight dimmer switch lever and windshield wiper/washer lever

There are two levers just behind the steering wheel:

The lever on the left side is for the turn signal/headlight dimmer switch.

The lever on the right side is for the windshield wiper/washer system.

The turn signals and the windshield wipers only work with the ignition on.

Turn signals



Lever up – right turn signal

Lever down – left turn signal

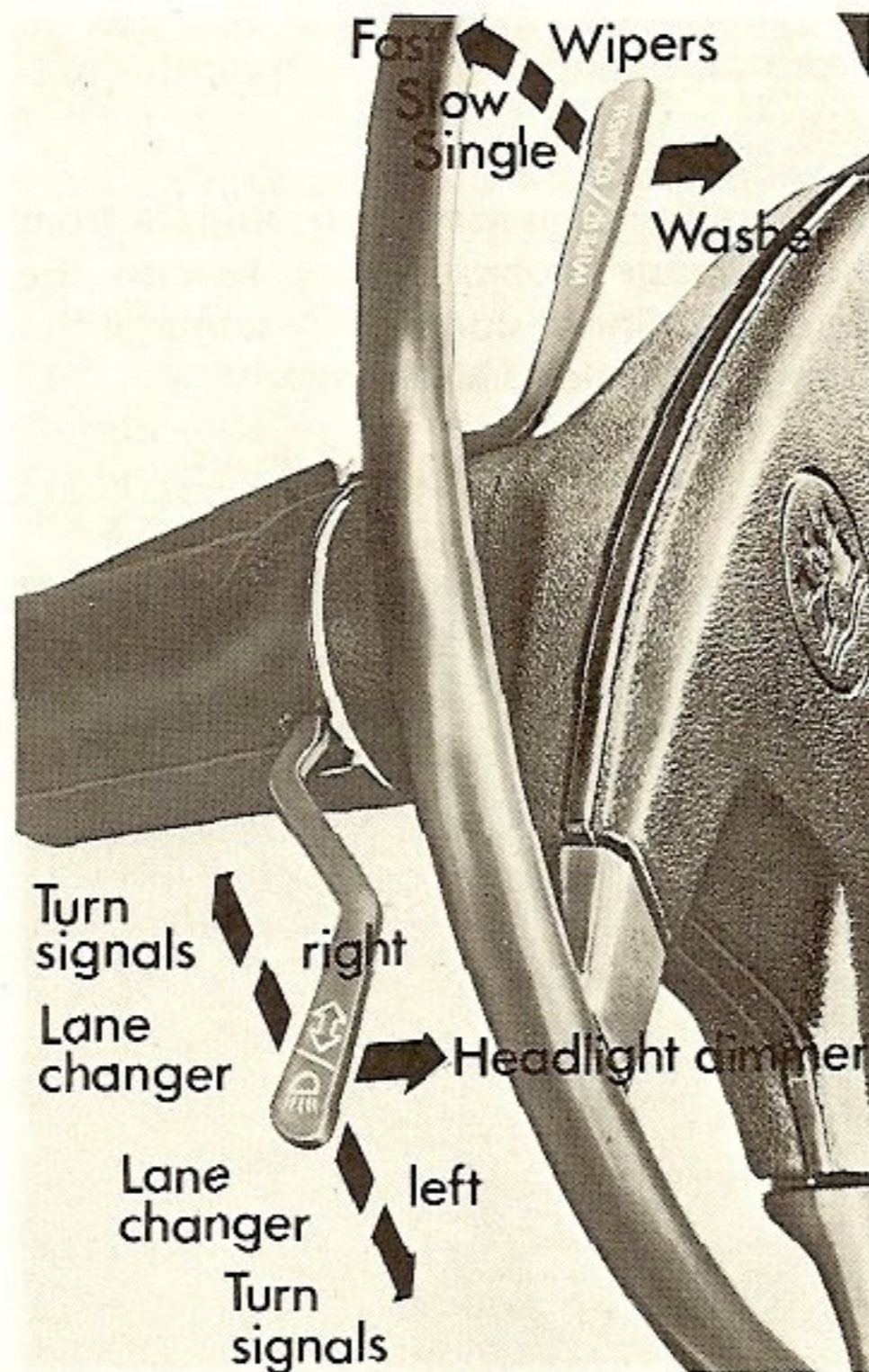
The green turn signal indicator light comes on in the speedometer dial when you operate the lever.

The turn signals are cancelled automatically when you have completed a turn (like driving around a corner), and the steering wheel returns to the straight-ahead position.

If a turn signal is defective, the control light flashes at about twice the normal frequency. Have your Authorized VW Dealer check and repair it for you.

Lane changer

To indicate your intention when changing lanes on expressways, slightly lift or depress the lever to an intermediate position. The lever will return to the OFF position when released.

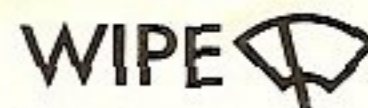


Headlight dimmer



Dim the headlights by pulling the lever toward the steering wheel. The blue indicator light in the speedometer dial will light up when the high beams are on.

Windshield wipers



The windshield wiping system operates at two speeds: low and high.

Lifting lever to first stop – low speed

Lifting lever to second stop – high speed

If you just slightly lift the lever before reaching the first stop, the wipers will wipe as long as the lever is held in this position and come to a stop when released.

To give you full battery power while starting the engine, operating windshield wipers will stop automatically at this moment.

Windshield washer



To spray washer fluid on the windshield, pull the lever toward the steering wheel. You can operate the washer from any selected wiping position.

Avoid running the wiper blades over a dry windshield . . . you may scratch the glass. Spray washer fluid on it first.

Rear window defogger (optional equipment)



The rear window defogger – together with the flow-through ventilation – will help to keep the inside of the rear window clear of condensation and frost in the winter.

Turn the ignition on first before you switch on the rear window defogger.

Depress the rocker switch to turn on the rear window defogger. The green control lamp in the switch (VW 111: in the speedometer dial) will light up to remind you that the defogger is switched on.

VW 113

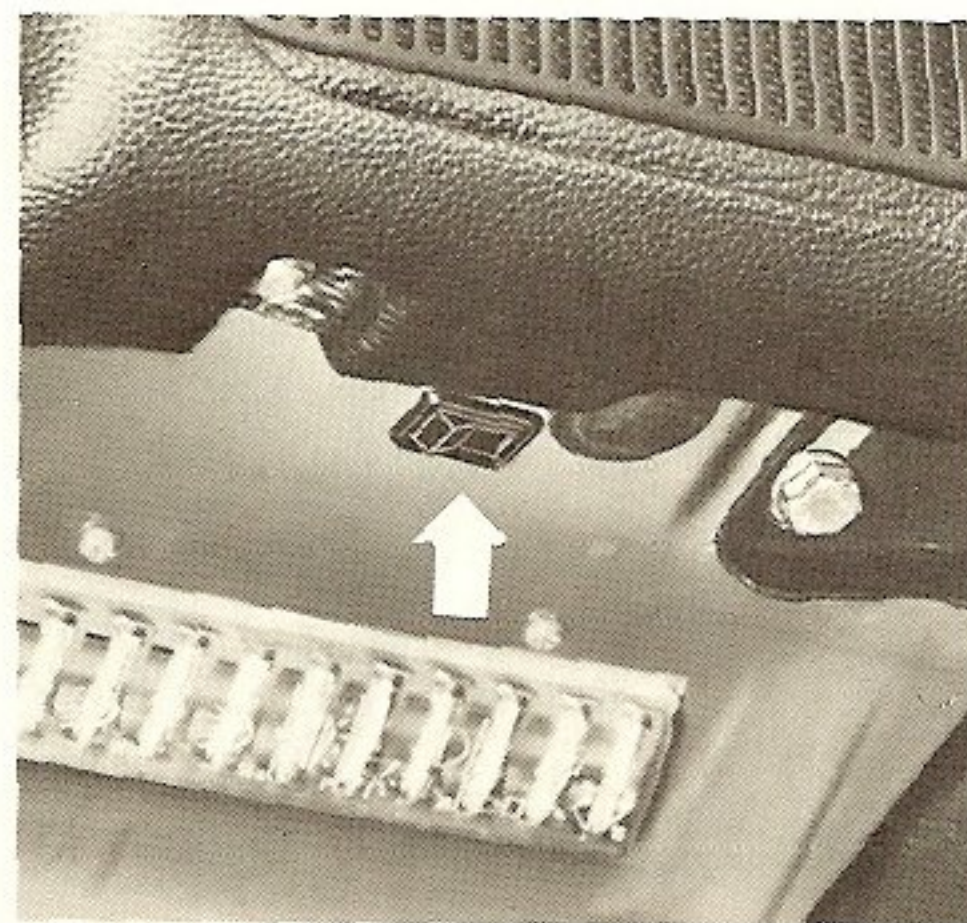


To give you full battery power while starting the engine, the operating rear window defogger will turn off automatically at this moment.

After the rear window has been cleared, switch off the rear window defogger to avoid an unnecessary drain on the battery.

Be careful when removing objects from the luggage compartment behind the rear seat. Sharp edges may damage the defogger in the rear window.

VW 111



Rear view mirrors

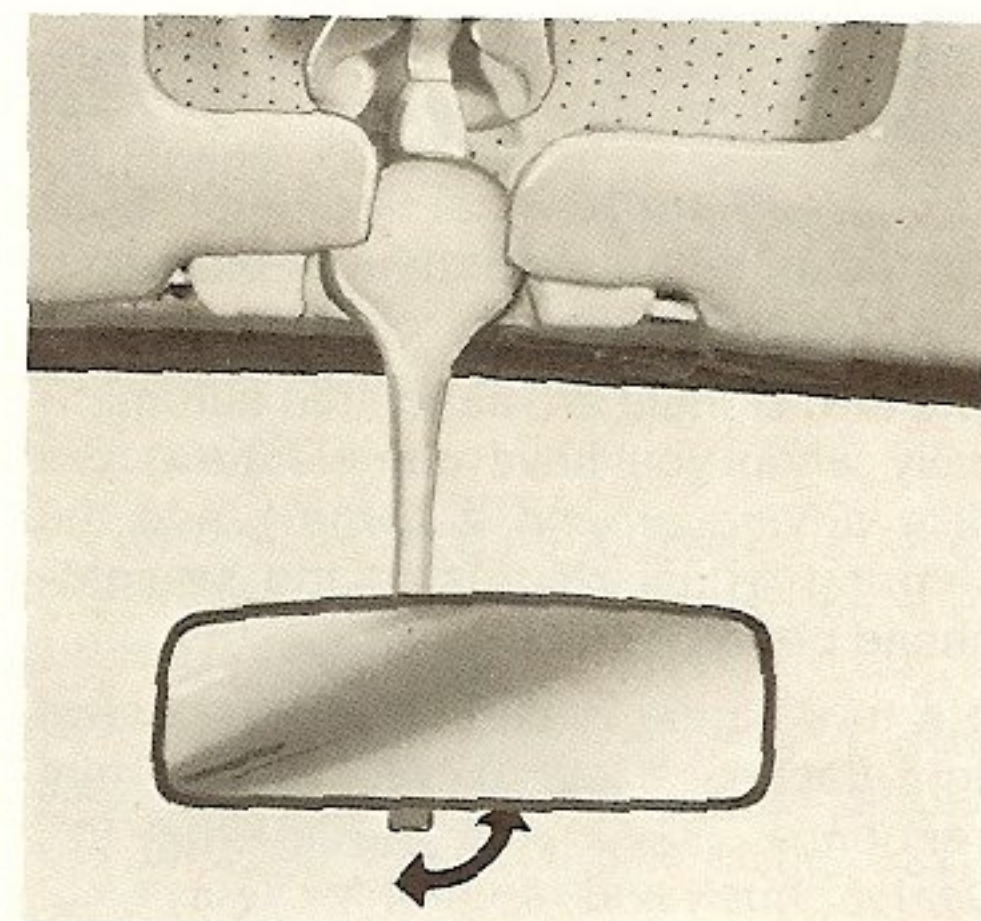
Adjust the outside and inside mirrors before driving off. It is important for safe driving that you have good vision to the rear.

Outside mirror

The outside mirror is hinged and folds flat against the car when struck from either direction.

Inside day-night mirror (except VW 111)

You can move the day-night mirror from clear daylight visibility to non-glare visibility at night by adjusting the lever upward or downward at the bottom of the mirror.



Assist straps and coat hooks

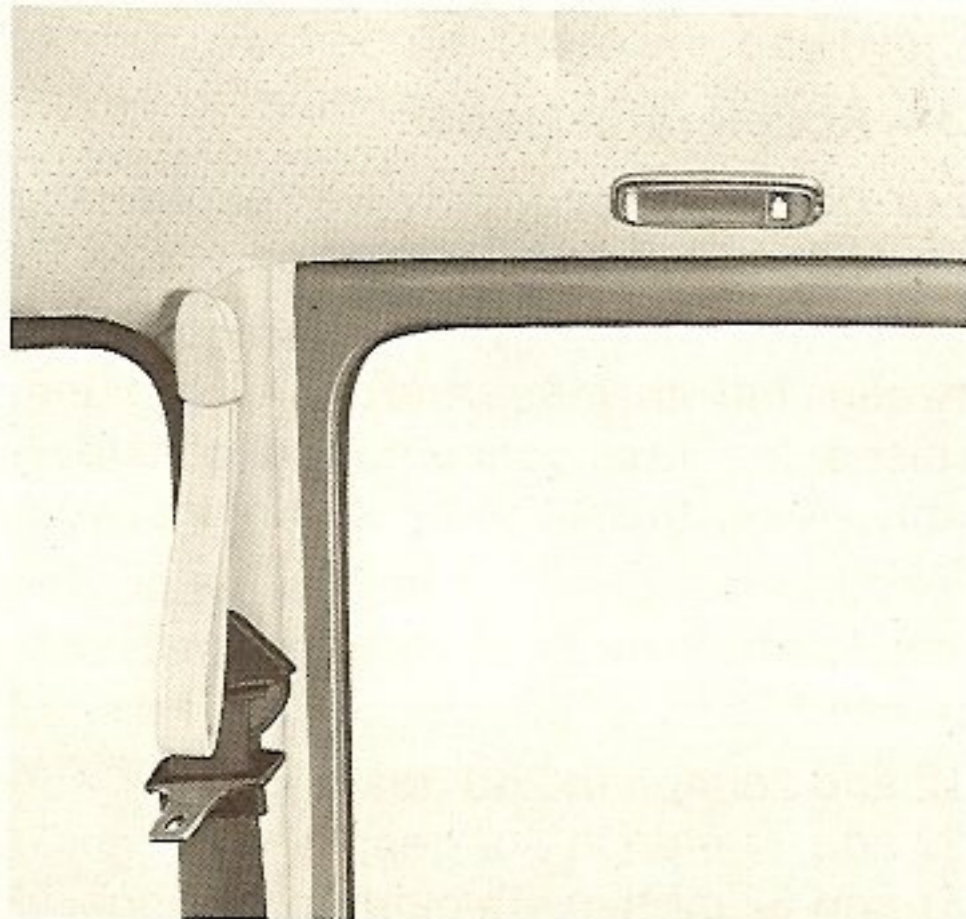
There is one assist strap and one coat hook on each side on the door post.

Hang clothes in such a way that they do not impair the driver's vision.

Interior light

The switch positions are

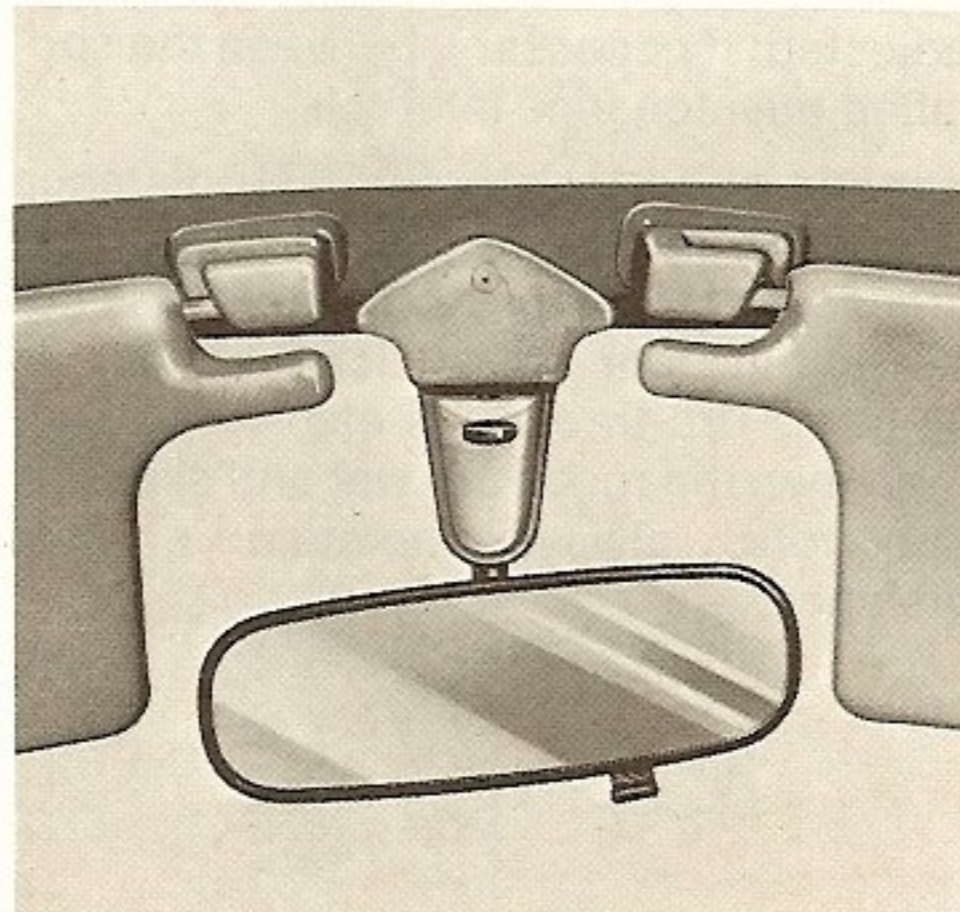
- Up – ON (with doors open)
- Center – OFF
- Down – ON (with doors closed)



On the VW Convertible, the light and light switch are on the mirror bracket.

The switch positions are

- Left – ON (with doors open)
- Center – OFF
- Right – ON (with doors closed)



Ashtrays

Front ashtray

Pull to open the ashtray in the instrument panel. To remove the tray, depress the leaf spring which you see just beneath the top cover. Now pull out the tray.

To put it back in, fold the top cover down, insert the tray in the guide rails and push in with the heel of your hand.

Rear ashtray

To remove the ashtray in the rear passenger compartment, press down on the tray and pull out. To reinstall, just push the ashtray back in again.

Sun visors

To protect the driver from side glare, the sun visor on the driver's side can be moved toward the door window after lifting it out of its center mounting. The sun visor on the passenger's side cannot be moved toward the side.

Controls for Manual Transmission

1 – Clutch pedal

Always depress the clutch pedal fully when changing gears. Do not hold the car on a steep hill with the clutch pedal partially depressed. This may cause premature wear or damage.

2 – Brake pedal

Make it a habit to check the operation of your brakes. You will remember from page 11 that the brake warning light will alert you if one brake circuit should have failed.

Make sure that the movement of the brake pedal is not obstructed by a floor mat or any other object.

Volkswagen automobiles have excellent brakes, but they are still subject to wear ... depending on how the brakes are used. If you find that the brake pedal travel has increased, have the brakes adjusted; if necessary, between the specified maintenance intervals.

Keep in mind that the braking distance increases very rapidly as the speed increases. At 60 mph, for example, it is not twice but four times longer than at 30 mph. Tire traction is also less effective when the roads are wet and slippery. Therefore, always maintain a safe distance.

Driving through deep water may reduce tire traction. Moisture on the brakes may also affect braking efficiency. Cautiously apply the brakes for a test. If you notice a lag in the braking action, the brakes may be wet. They will dry after you have applied the brakes a few times, but do it very cautiously.

Brake linings may not have the highest possible braking efficiency when new. Therefore allow for longer braking distance during the initial 100 to 150 miles. This also applies when brake shoes are renewed.

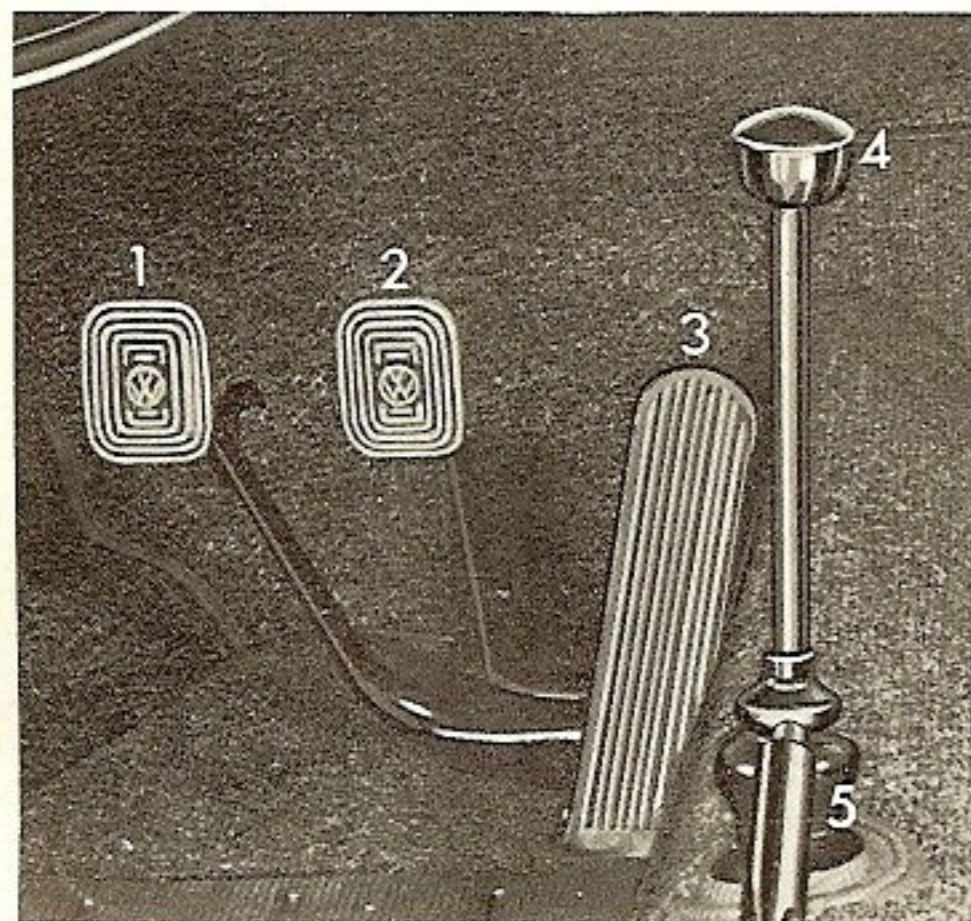
3 – Accelerator pedal

For good fuel economy we recommend smooth and even acceleration.

Very fast, racy driving, alternating between full throttle and hard braking, raises the fuel consumption considerably. Also, tires and brake linings wear faster.

You can drive most economically between:

- 12 and 28 mph in 2nd gear
- 22 and 44 mph in 3rd gear
- 31 and 62 mph in 4th gear



4 – Gearshift lever

The Manual Transmission is fully synchronized. The four forward gears and a reverse gear are arranged as illustrated. The shift pattern is also shown on the instrument panel below the speedometer. On the VW 111, the shift pattern is on the face of the ashtray under the dashboard.

Resting your hand on the shift lever knob while driving will cause premature wear to the transmission.

Speed ranges

You can drive your Volkswagen at full speed from the first day. You do not have a break-in schedule. There are, however, certain recommended speed ranges for the various gears:

1st gear	0–16 mph
2nd gear	12–34 mph
3rd gear	22–56 mph
4th gear	from 31 mph up

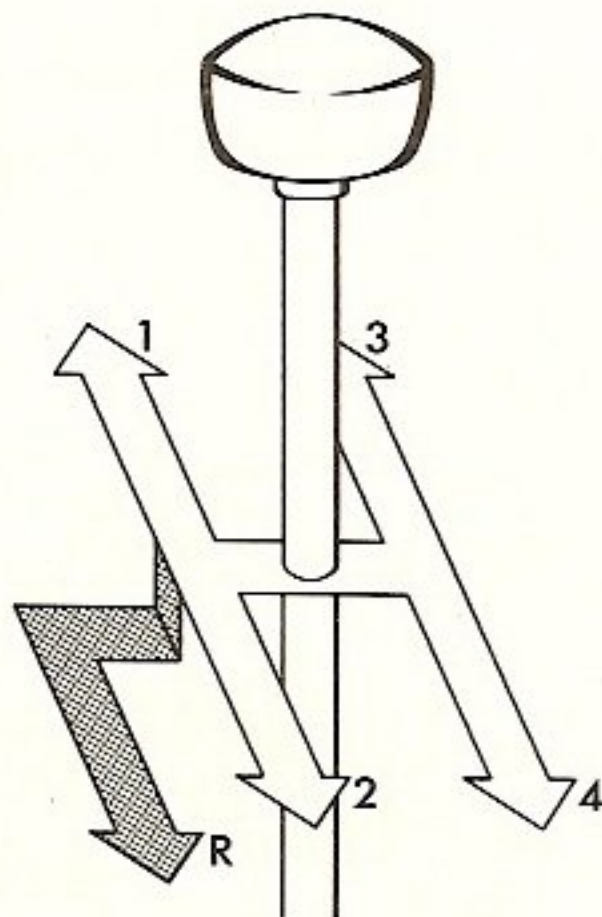
If you have a traffic situation where it is necessary for you to overtake rapidly, you can accelerate, for a brief period only, up to

37 mph in 2nd gear
62 mph in 3rd gear

Reverse

Only shift into Reverse when the car is not moving. To engage the reverse gear, press the lever down, move it to the left and pull back.

The back-up lights go on automatically when you engage the reverse gear (with the ignition on).



5 – Parking brake lever

To **set** the parking brake, press in the release button at the end of the lever as you pull up the lever. The parking brake is engaged as soon as you release the button on the raised lever.

With the ignition switched on, the brake warning light in the instrument panel lights up and goes out as soon as the parking brake is released (see page 11).

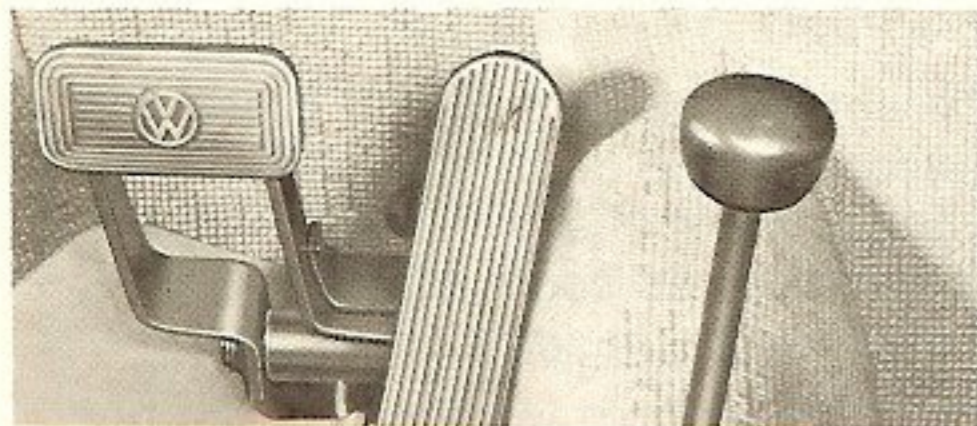
To **release** the parking brake, pull the lever slightly up as you depress the release button. Then push the lever all the way down.

Be sure it is fully released, because a partially engaged parking brake promotes wear of the brake linings.

Do not remove the key from the steering lock while the car is rolling to a stop. The steering column is locked as soon as you remove the key. Take out the key only after the car is parked.

Always set the parking brake when parking your car. On steep hills also turn the wheels toward the curb.

VW Automatic Stick Shift



At first glance

you will notice the lack of a clutch pedal. Driving with the Automatic Stick Shift is simpler and shifting is easier. We suggest you carefully read the following instructions to familiarize yourself with the operation of the transmission.

Note:

For details on the operation of the brake pedal, the accelerator pedal and the parking brake lever, see pages 16 and 17.

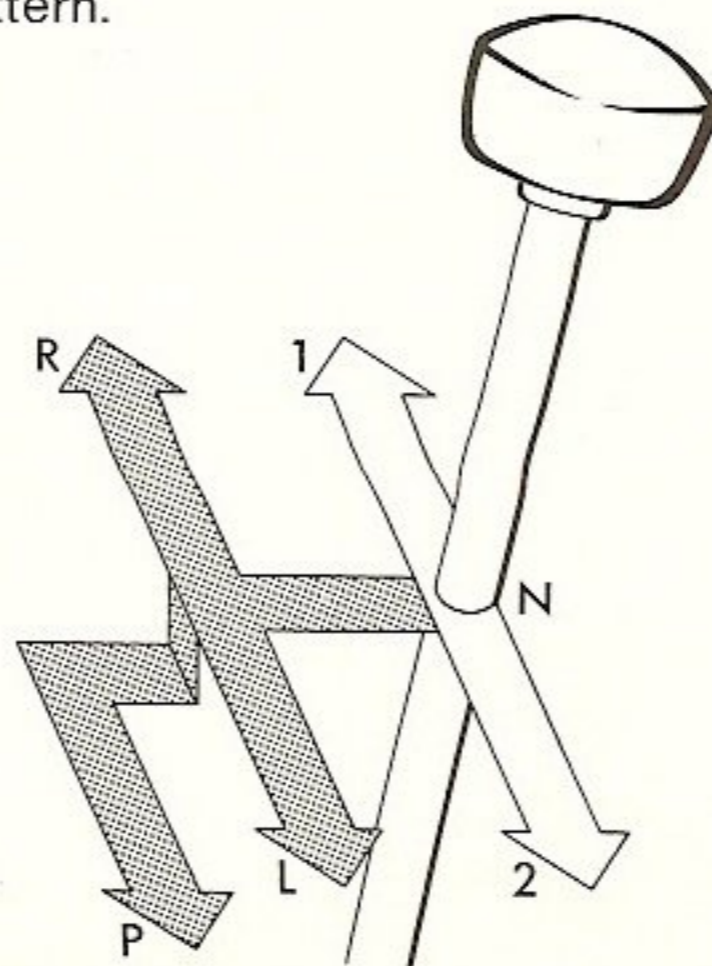
The Automatic Stick Shift

transmission consists of a torque converter, a power-operated clutch for shifting, and a mechanical three speed transmission. The torque converter multiplies the torque produced by the engine and allows the vehicle to be driven with very little shifting – usually two driving ranges will be used. It automatically changes the torque from the engine in an infinitely variable ratio according to driving conditions. Since the torque con-

verter is a fluid coupling, it also permits stopping the vehicle with an engaged gear while the engine is running. The clutch interrupts the flow of power from the engine to permit the gears in the transmission to be shifted. Because the power-operated clutch is actuated by the first slight movement of the gearshift lever, there is no need for a clutch pedal.

Driving ranges

With the lever mounted on the frame tunnel you can select three forward drive ranges and one reverse. The neutral position "N" is between all gears in the H-pattern.



Neutral (N)

is the only range in which you can start the engine. In this position, the power flow to the rear wheels is interrupted. It should be used when the car is standing at idle, with the parking brake engaged.

From the Neutral position you select the desired drive range.

Driving Range 1

is for starting off and accelerating. It covers the speed range from 0–53 mph. **Always use this range first before shifting into Range 2.** Range 1 is also recommended for use in city traffic, slow moving lines of vehicles, and whenever maximum acceleration is required for passing. If the lever is in Range 2, you may downshift into Range 1 at any speed under 53 mph.

Driving Range 2

Always use Range 1 first before shifting into Range 2. Range 2 should normally be used for highway driving. It is the only range that can be used for speeds above 53 mph. You may shift into Range 1 at any speed under 53 mph.

Low Range (L)

Shift into Low when you want to get the car moving up steep hills, especially when carrying a heavy load or when

towing, and when driving down a steep hill or parking in tight spaces.

Reverse (R)

Engage the reverse gear only when the car is not moving. The back-up lights go on automatically when the reverse gear is engaged (with the ignition on).

Park (P)

The Park position may only be engaged when the car is stationary.

To shift into Park, depress the selector lever first to overcome a safety catch.

In Park, the transmission is locked, preventing the car from moving.

Starting

Neutral is the only position in which you can start the engine.

Moving off

With the parking brake set, move the selector lever to Neutral and start the engine. Shift into the range you wish to use, normally Range 1. After shifting be sure to remove your hand from the lever to allow the clutch to engage. To move off, release the brake and accelerate.

Do not release the brake before you are prepared to move, because power is transmitted to the wheels as soon as a gear is engaged.

Shifting

is easy. Simply release the accelerator

pedal and move the gearshift lever from the range you are in into the range you want, remove your hand from the gearshift lever, and again step on the accelerator.

For easier selection of the driving ranges 1 and 2, which are used most, the gearshift lever always stays on the right side when in Neutral, as shown in the illustration on previous page.

Stopping

Release the accelerator and apply the foot brake. If you are going to start off again in another range, you may shift into the new range while the vehicle is standing still, but if you remain in a driving range apply the foot or parking brake to prevent the vehicle from creeping.

Parking

Do not remove the key from the ignition/steering lock until you have parked the car, because removal of the key locks the steering.

When parking your car, apply the parking brake first, then move the selector lever to position P. To do this, move the lever to the left, depress it, move it further to the left and pull back into Park. The transmission is then mechanically locked.

Shift out of the Park position before releasing the parking brake.

When the car is parked on a steep hill,

shifting out of Park may be a little harder. This is due to the weight the car exerts on the transmission.

If you like quiet, smooth driving,

which saves fuel, we recommend that you shift to Range 2 at about 20 to 25 mph.

For normal driving

we recommend that you shift from driving range 1 to driving range 2 at 40 miles per hour.

If you want maximum acceleration

you can stay in Range 1 right up to 53 mph and then shift into Range 2. Naturally, this will use more fuel.

Keep in mind . . .

- 1 – When starting off, shift into a driving range before releasing the parking brake.
- 2 – After shifting, remove your hand from the selector lever.
- 3 – When idling for an extended period of time, shift into Neutral and apply the parking brake. When stopped in traffic, apply either the parking or foot brake to prevent creeping.
- 4 – When parking, apply the parking brake and shift into Park position. On hills, also turn the wheels toward the curb.

Starting hints

Never start or let the engine run in an enclosed unventilated area. Exhaust fumes from the engine contain carbon monoxide which is colorless and odorless. Carbon monoxide, however, is a very harmful gas, and can be fatal if inhaled.

Fasten safety belts, otherwise the engine on vehicles with safety belt interlock system cannot be started (see also page 6).

Before turning the ignition key, make sure the gearshift lever is in **Neutral**. The **Automatic Stick Shift can be started in Neutral only**.

It is not necessary to depress the accelerator pedal when starting. This holds true for a cold engine and an engine at operating temperature to matter what the outside temperature is. The electronic fuel injection system, with which your Volkswagen is equipped, automatically supplies the required amount of fuel for starting.

Operate the starter for a few seconds only.

As soon as the engine starts, release the ignition key.

If the engine does not start the first time or stalls, turn the ignition key all the way to the left and restart.

The red warning lights for oil pressure and alternator in the speedometer dial and the brake warning light will light up when the ignition is turned on. The oil pressure and alternator warning lights should go out after you have started the engine. The brake warning light should go out after releasing the parking brake.

It is not necessary to warm up the engine by letting it idle with the car stationary . . . drive off immediately and maintain moderate speed until the engine is warm.

Winter starting of Manual Transmission

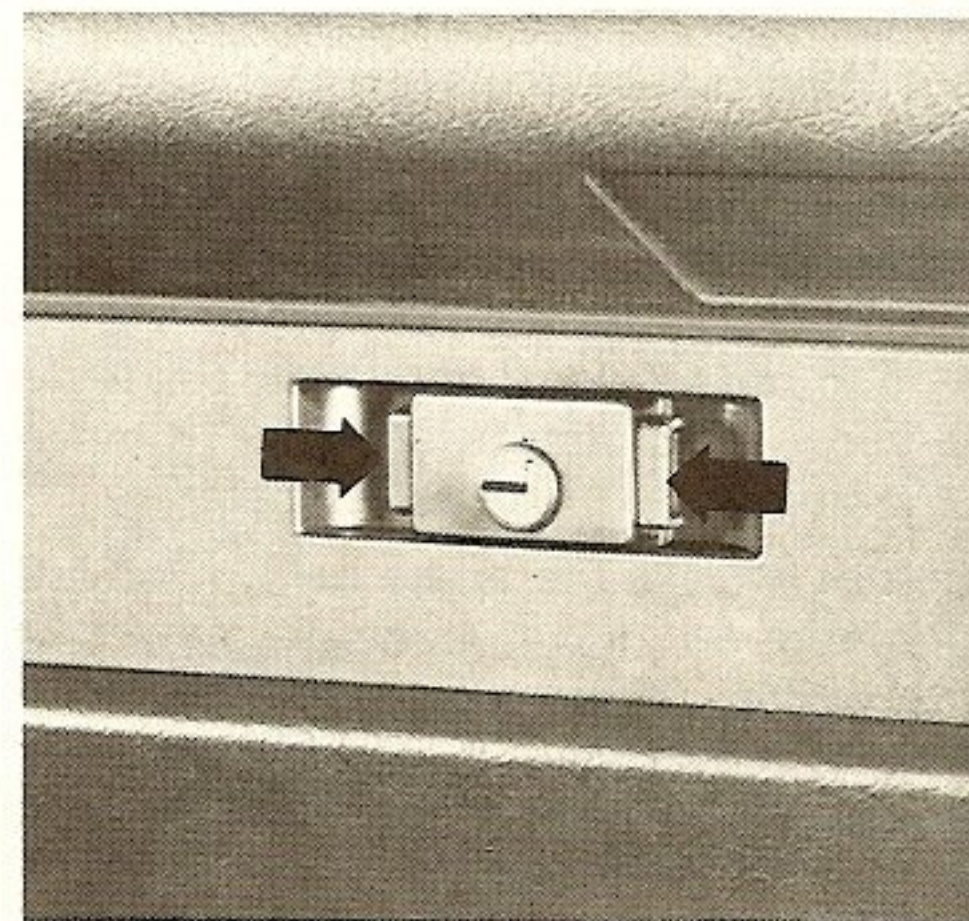
On the Manual Transmission, depress the clutch pedal when starting so that the starter only has to crank the engine.

Glove compartment

	VW 113	VW 111
To open	Squeeze both plungers together	Turn knob to left
To close	Press door until lock engages	
To lock or unlock	Turn key to right or left	—

Inside the glove compartment is the **release for the front hood**. A locked glove compartment prevents unauthorized access to the luggage compartment and the spare wheel.

VW 113



Luggage compartments

Your VW has two luggage compartments, one under the front hood, and the other behind the rear seat.

Front luggage compartment

To **unlock** the front hood, pull the release inside the glove compartment.

Now open the front hood by depressing the release button in the hood handle.

To **lock** the front hood, lower the hood and press the handle down firmly. Do not press on one side of the hood. Make sure the hood is securely locked.

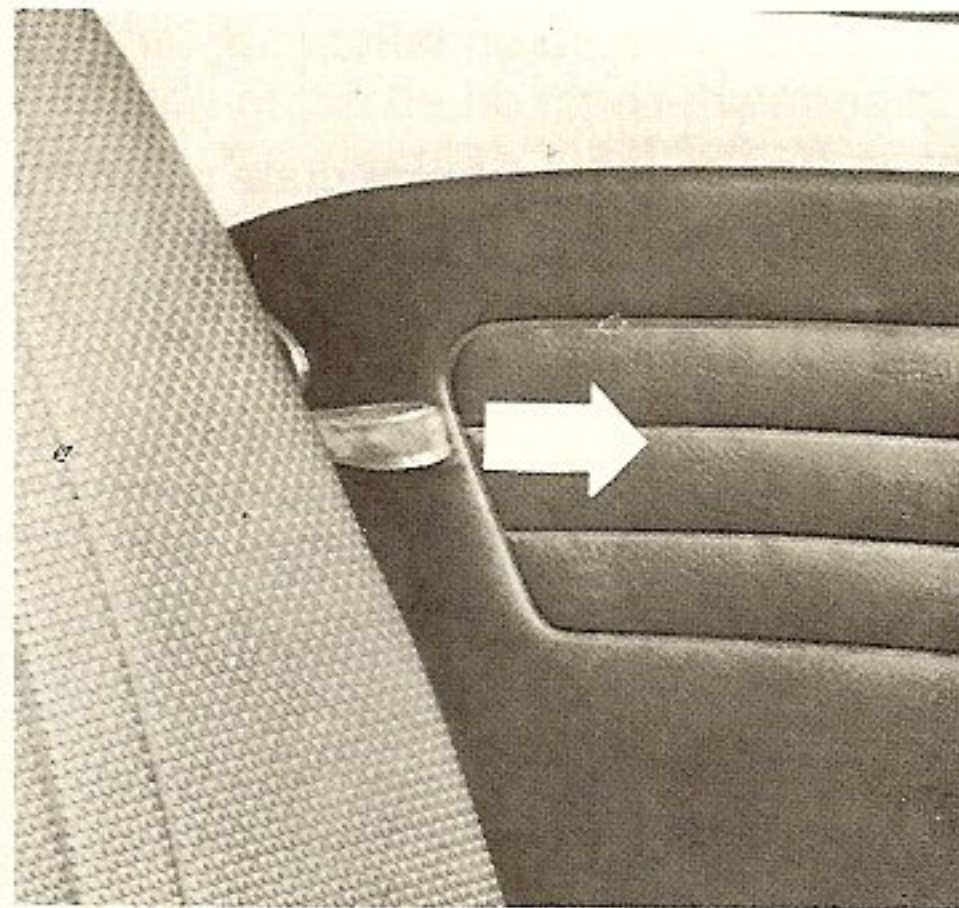


Since improper weight distribution can affect car handling, take advantage of the two luggage compartments. Load the front luggage compartment first, using the heaviest pieces of luggage, if possible.

Rear luggage compartment

Additional luggage can be stored in the space behind the rear seat. You can expand this luggage area by folding the backrest down and fastening it in this position.

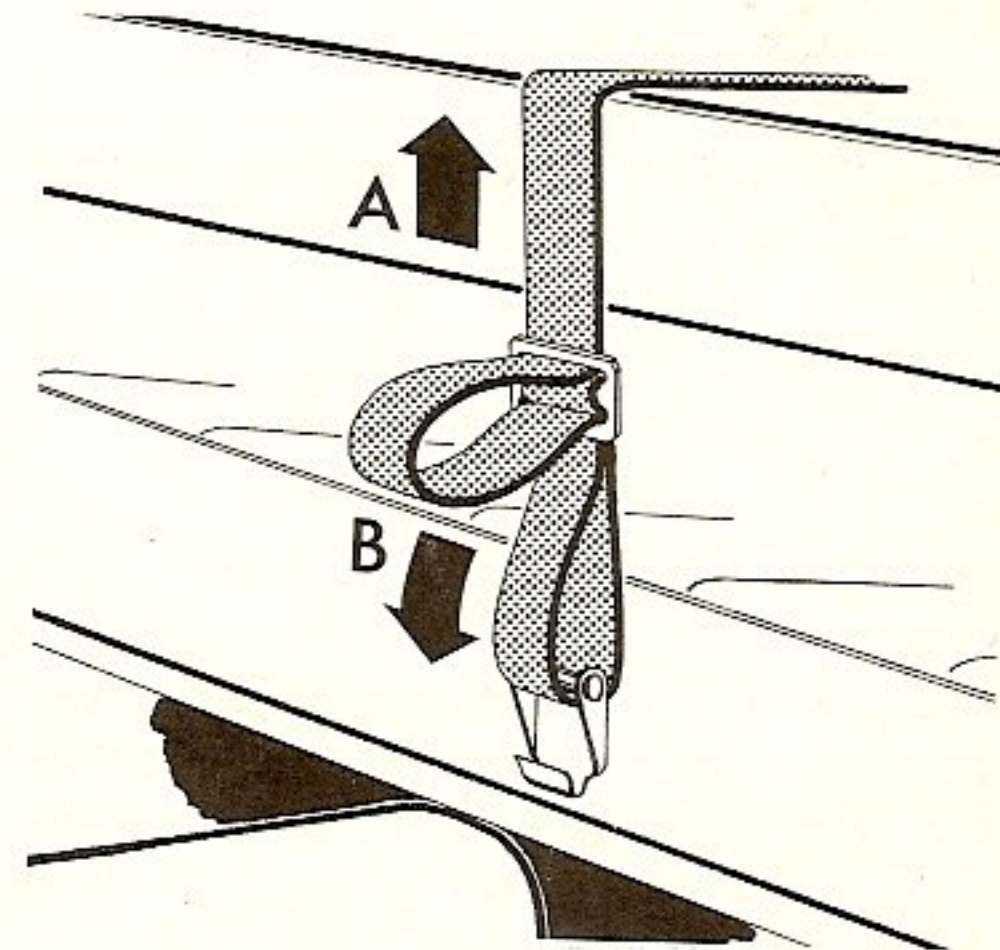
To **release** the backrest, pull the strap on the left, as seen in driving direction. When you fold the backrest back, it locks automatically in its place.

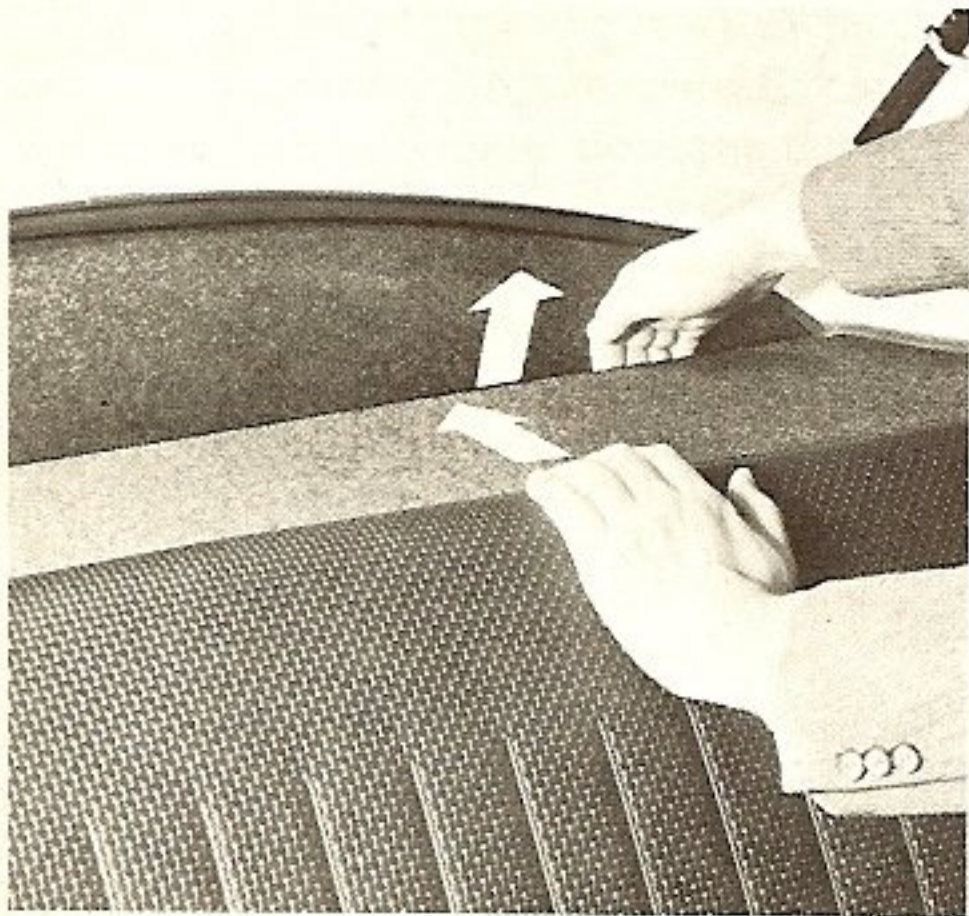


To **hold** the backrest in the folded-down position, hook the retaining strap (on the back of the backrest) under the seat rail.

To **adjust** the length of the strap, unhook the strap and move the slide.

A – to shorten the strap
B – to lengthen the strap





Articles stored in the luggage area behind the rear seat can be concealed from the outside view by a **cover**. This cover is attached with hinges to the backrest.

To make use of the cover, release the backrest and fold it forward. Lift the cover up. Then move backrest and cover back. The cover will rest on the edge below the rear window. Press the backrest back to lock it in place.

We recommend you do not place articles on the cover. Such items may become dangerous projectiles when dislodged during a sudden stop. They may also reduce the driver's vision to the rear.

Heater/Defroster

A fresh air heater/defroster is standard equipment on your Volkswagen. The control levers are located on the tunnel between the front seats. The heater lever spot light will illuminate the levers when the parking or headlights are turned on. The brightness of the spot light and instrument illumination can be adjusted by turning the thumb wheel (VW 111: light switch knob). See page 11.

1 a – Heater temperature lever (TEMP)

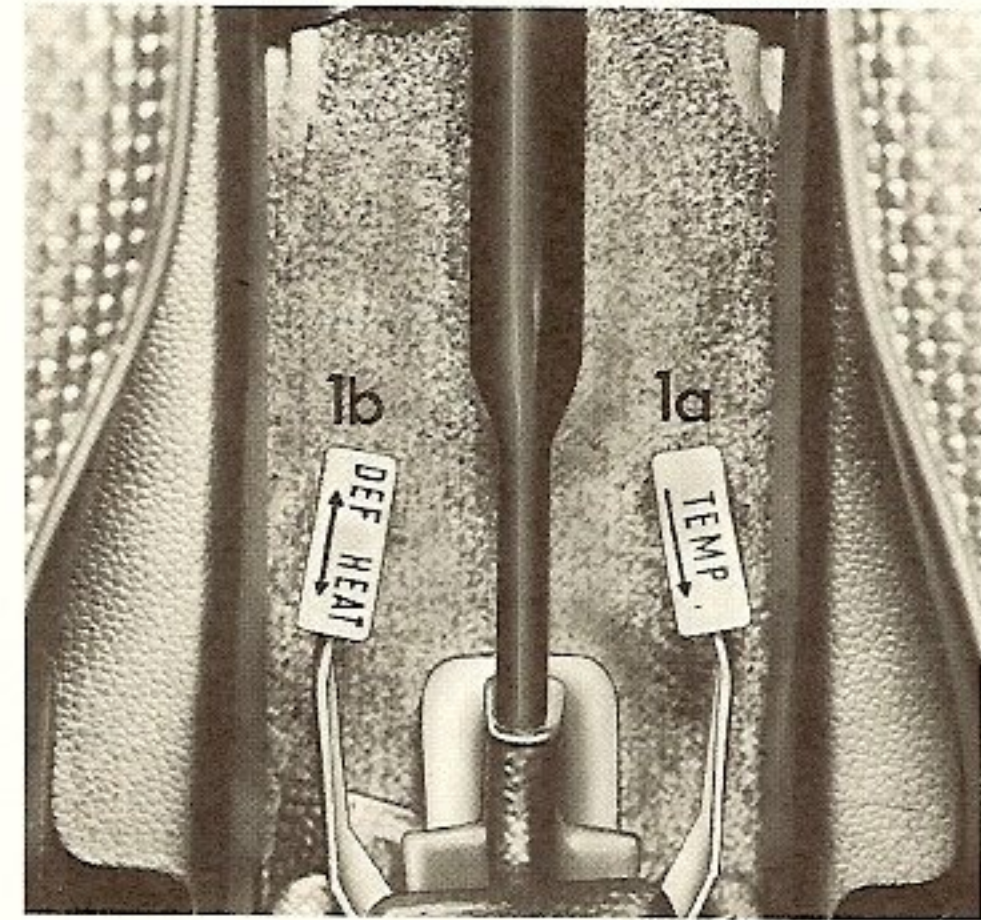
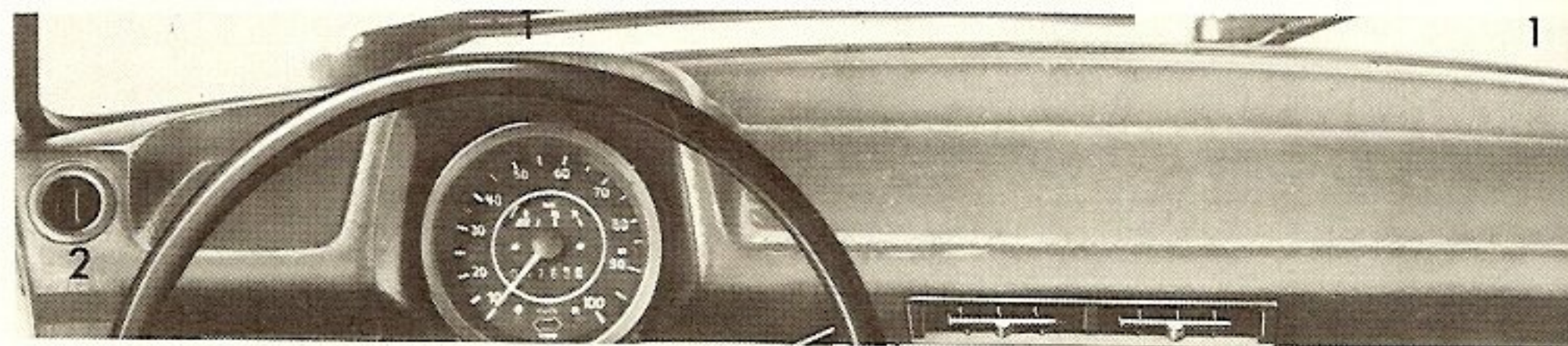
The lever toward the passenger's seat controls the temperature level.

Lever up – heat on fully

Lever down – heat off

By setting it at any intermediate position, you can select the degree of heat that is most comfortable for you.

VW 113



After a reasonable warm-up time, which also depends on the speed of the car, warm air will enter the car's interior through the windshield vents – 1 –, the side window vents – 2 –, and outlets in the front and rear footwells.

In the **VW 111**, warm air will enter the car's interior through the windshield vents – 1 –, the heater/defroster vents – 2a – below the windshield and outlets in the front and rear footwells.

Footwell outlets

There are four footwell outlets, two in the front and two in the rear. The front outlets are located just beneath the doors, the rear outlets are under the rear seat. Front and rear footwells are opened and closed with the heat distribution lever – 1b –.

1b – Heat distribution lever for front and rear footwells (DEF-HEAT)

With the lever on the tunnel next to the driver's seat you can control the distribution of heat to the front and rear footwells.

Lever down – front and rear footwells closed

Lever up – front and rear footwells fully open

You can select any intermediate position to regulate the distribution of heat to the front and rear footwells.

2 – Defroster vents for front side windows

(except VW 111)

Volume and direction of the air coming from the outlets on the dashboard can be controlled separately by adjusting the flaps in the outlets. They can be opened or closed by pressing against one side of the flaps. When the flaps are closed, the entire volume of warm air flows through the vents at the windshield (– 1 –).

Hints for defogging and defrosting

Defogging and defrosting your windshield will be more effective if you direct the total air flow toward the windshield.

Here is what to do:

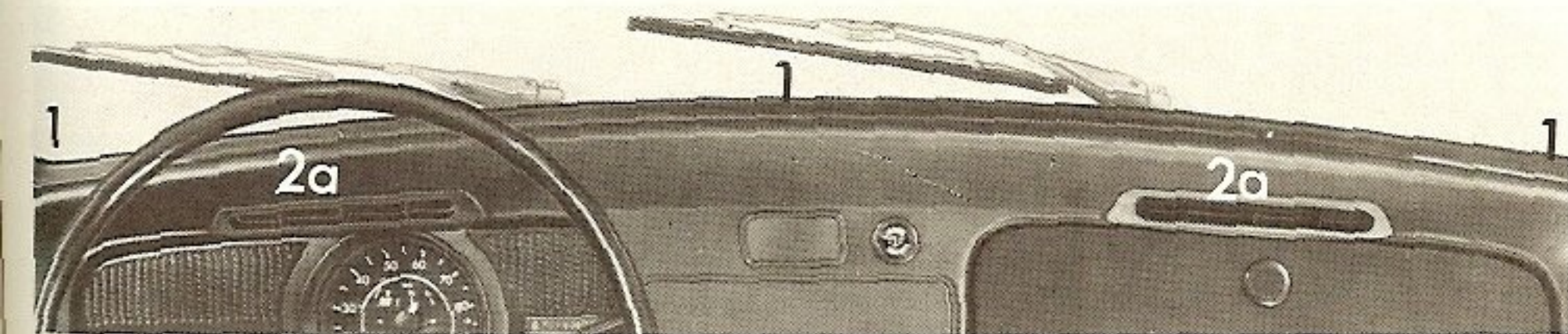
1. Heater temperature lever – 1a – all the way up (TEMP) – heat is on.
2. Heat distribution lever – 1b – all the way down (DEF) – no heat to the front and rear footwells.
3. For side window defogging/defrosting turn the flaps in vents – 2 – to the side – air toward the front side windows.

To increase the fresh air flow, turn the left fresh air knob – 19 – to the left and turn on the fresh air fan – 18 – (see next page).

Now all air is directed toward the windshield and front side windows.

In the **VW 111**, follow the above steps 1. and 2. In addition, set the levers in the vents – 2a – below the windshield straight up. Turn the fresh air knobs – 10 – (see page 25) to the left to increase the air flow – now all air is directed toward the windshield.

VW 111



Ventilation

Flow-through ventilation provides a continuous draft-free exchange of air while driving. Air enters the car through the grille on the front hood and inside vents. A water separator prevents rain from entering.

The air in the passenger compartment is drawn out through inside openings near the rear window and escapes to the outside through louvers.

A two-speed electric fan (except VW 111) behind the instrument panel increases the flow of air when driving at low speeds and also supplies fresh air when the car is standing still (ignition on).

VW 113

19 – Fresh air knobs

You can regulate the volume and distribution of fresh air with the two knobs.

Left knob – turn to left:

Air flow to windshield vent –1– and side window vents –2– increases.

Right knob – turn to left:

Air flow toward passenger compartment increases (vents –4–). The vanes in the vents can be adjusted upward, downward or sideways.

To **decrease** the air flow, turn the knobs to the right.

To **stop** the air flow completely, turn the knobs to the right beyond the pressure point.

18 – Fresh air fan

You can increase the regular air flow by turning on the two-speed fan.

The switch positions are:

0 – off

I – low speed

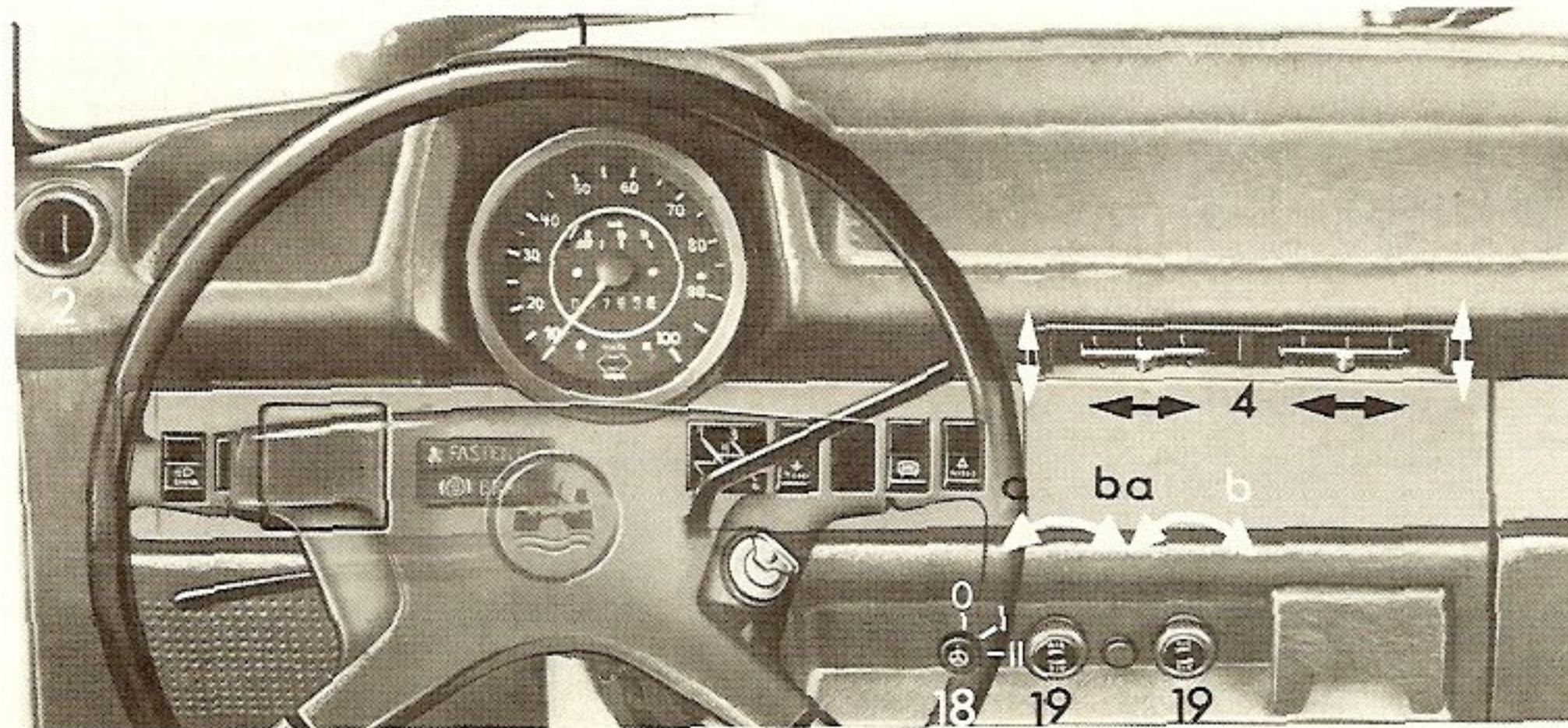
II – high speed

The fan operation is most effective if you have opened the fresh air vents by turning the fresh air knobs all the way to the left.

To give you full battery power while starting the engine, the operating fresh air fan will stop automatically at this moment.

a = on b = off

VW 113



VW 111

10 – Fresh air control knobs

You can regulate the volume of fresh air for each side separately by turning the knobs.

Turn left – air flow increases

Turn right – air flow decreases

To stop the air flow completely, turn the knobs to the right beyond the pressure point.

2a and 2b – Fresh air vents

Fresh air comes out through a pair of vents on each side.

Each upper vent has a lever. When the lever is in the straight-up position the air is directed toward the windshield. In the down position (move lever to the right), the air is directed into the passenger compartment. Air will flow in both directions when you select an intermediate position.

Sliding roof

(optional equipment)

We call the VW with a sliding roof the VW Sunroof.

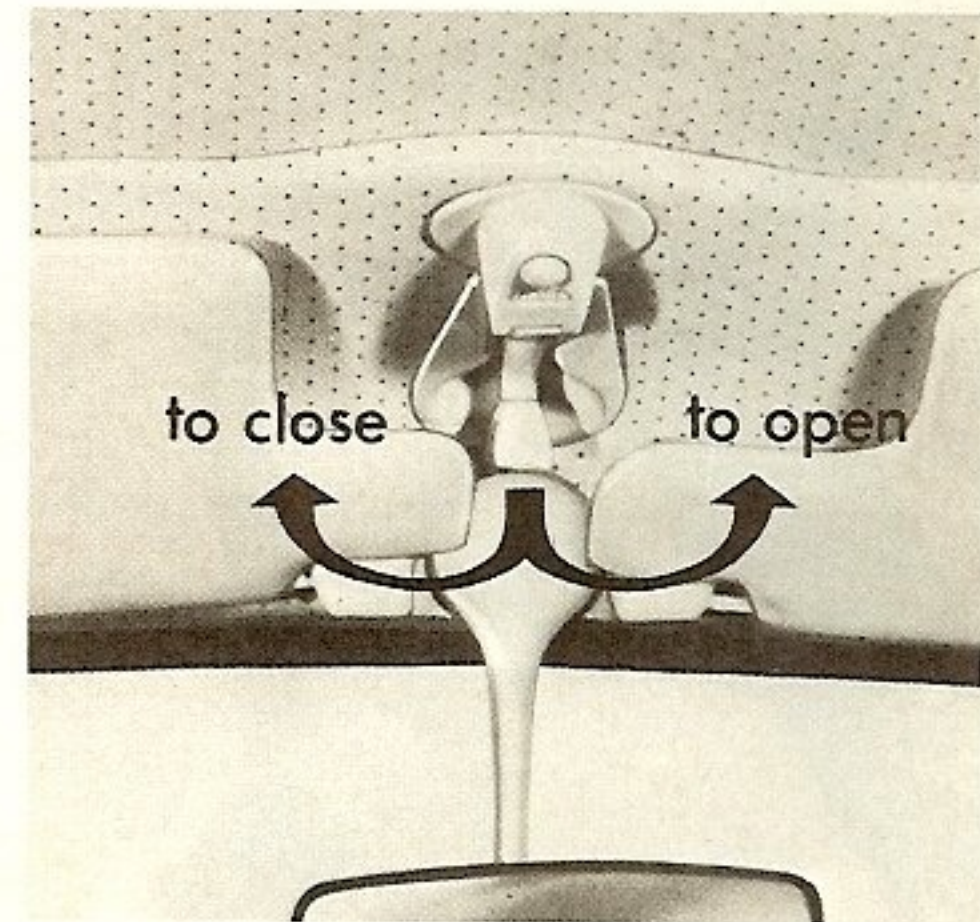
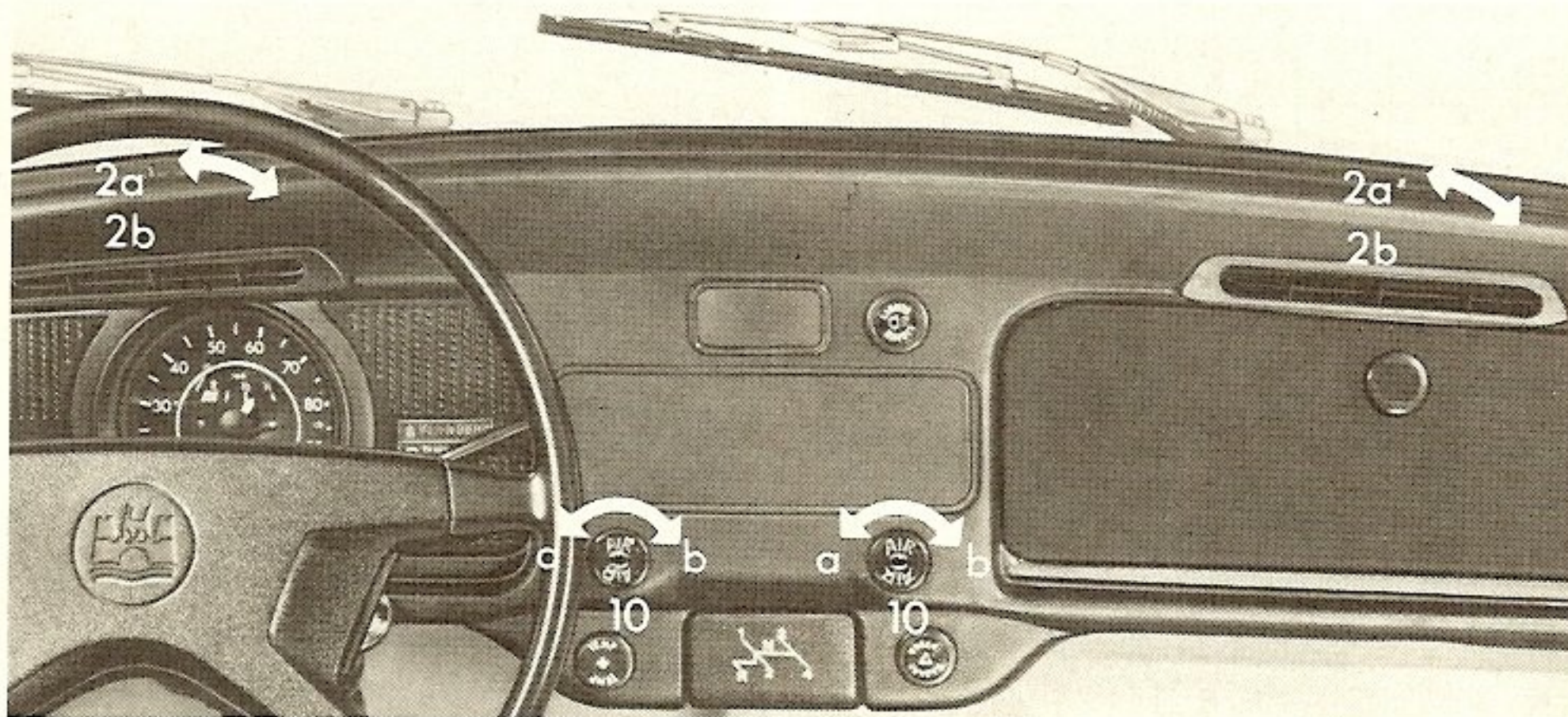
To open the sliding roof, pull the handle out and turn it counterclockwise; to close the sliding roof, turn the handle clockwise. The sliding roof is locked in any open position.

For safety reasons, fold the handle back into its recess as shown in the illustration.

When the roof is opened on the VW 113, a wind deflector is raised automatically and is lowered when the roof is closed.

VW 111

a = on b = off



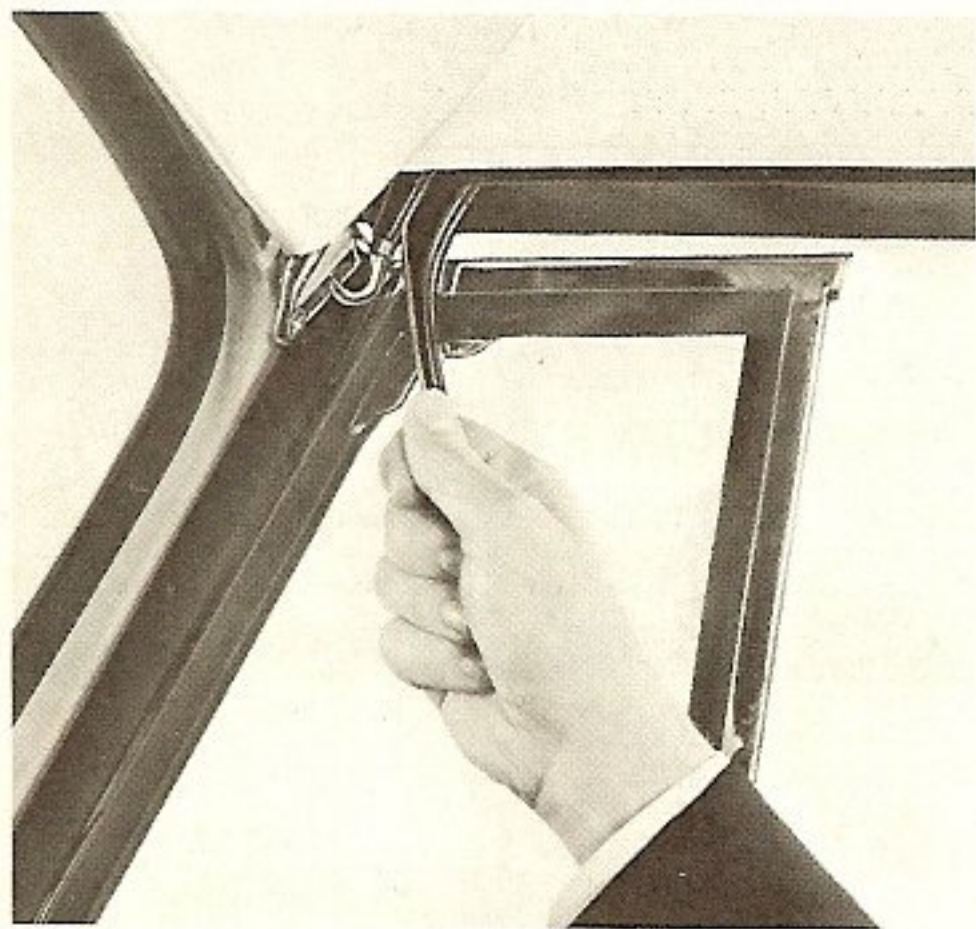
Convertible top

The convertible top should never be opened or closed while the car is in motion.

How to open the convertible top

The top should be dry before you open it.

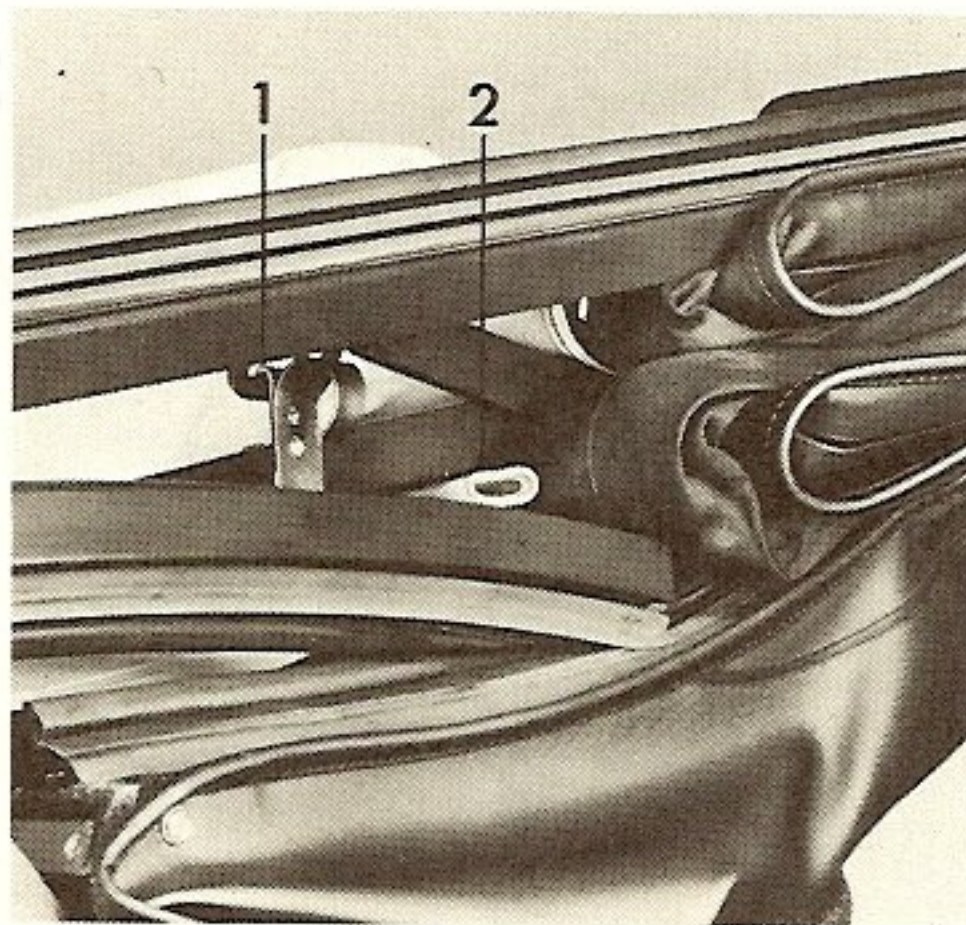
- 1 – First release the locking levers on the sides above the windshield and fold the top back.
- 2 – Press down the top and engage the locking catches – 1 – on both sides.
Make sure the padding does not get caught under the fold-down stop – 2 – or in the linkage.



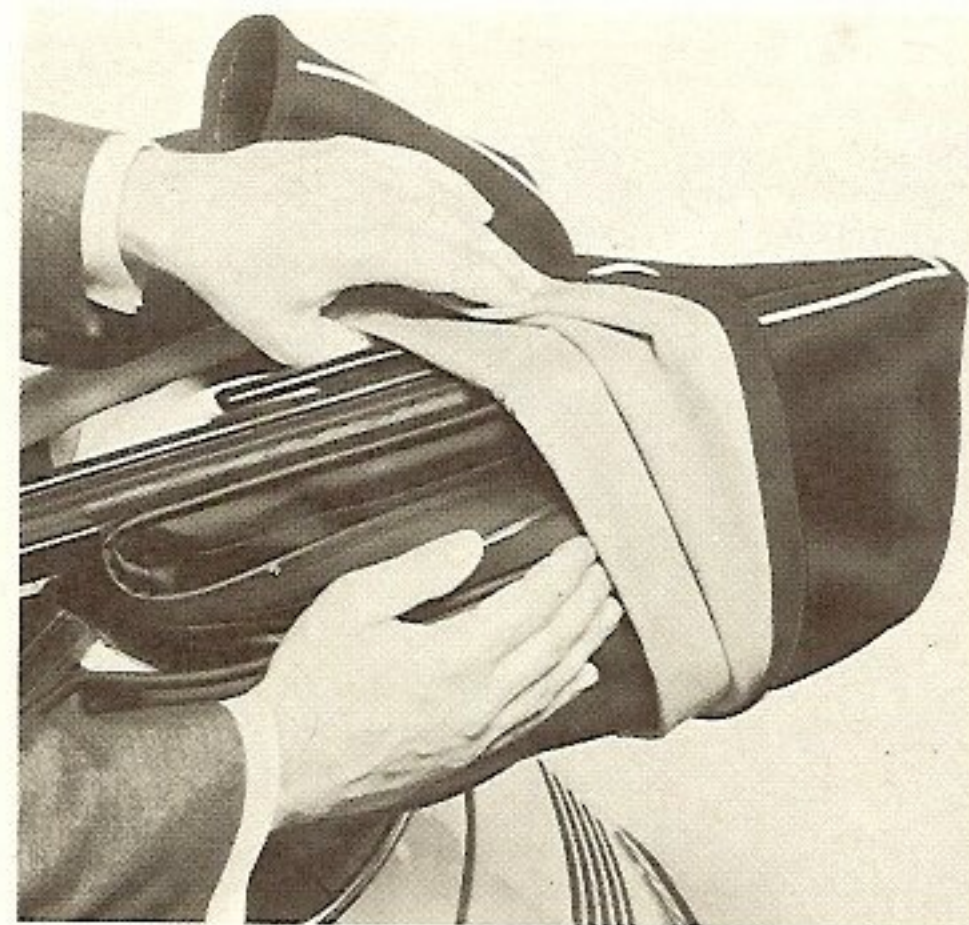
- 3 – Now take the covering boot (a separate cover that comes with every new VW Convertible) and slide it over the folded-down top. Tuck in the sides. Fasten all snaps and rubber straps of the boot securely to the body.

How to close the convertible top

- 1 – The top should be dry before closing it. First take off the boot and turn down the rear windows. Press the top down lightly to disengage the locking catches on both sides. Fold the top up and toward the front.



- 2 – From inside the car, grasp both levers and pull the top forward until the pins enter the guide holes on the windshield frame.
- 3 – Engage the hooks at the end of the lever into the grasping brackets above the windshield frame. Now lock the top tightly by pushing the levers upward.
- 4 – As a last step, open and close the rear windows to properly position the weatherstrips.



VW Auxiliary Heater (optional equipment)

Do not start or let the engine or heater run in an enclosed, unventilated area to warm up the car. Exhaust fumes from the engine or gasoline heater contain carbon monoxide, which is colorless and odorless. Carbon monoxide, however, is a very harmful gas, and may be fatal if inhaled.

To switch the heater on, depress the lower half of the rocker switch (VW 111: pull out the knob). This lights up a green indicator light in the rocker switch or in the knob.

The indicator light will also glow when the headlight switch is operated while the Heater is not in operation. This feature has been provided for easy recognition of the switch or knob in the dark.

To avoid an unnecessary drain on the battery, switch the heater off after about 25–30 minutes if the engine has not been started in the meantime.

A heat limit switch will turn the heater off periodically. The heater will come on again automatically within 3 minutes.

To switch the heater off, press on the upper half of the rocker switch (VW 111: push the knob in). The indicator light then goes out but the blower motor continues to run until the heater has cooled down.

The heater must be switched off when filling the fuel tank.

When it is very cold, the full battery capacity is required to start the engine. To

avoid starting difficulties, it is advisable not to preheat the vehicle interior under these conditions, that is, do not switch the heater on until the engine is running.

The heater normally requires no special maintenance. It is advisable, however, to have the heater plug checked once a year before the cold weather sets in and a new plug installed if necessary. The fuel system should also be checked for cleanliness and the electrical connections for tightness.

During the winter and when driving over very poor roads, mud or snow may tend to accumulate in the exhaust and combustion air intake pipes. Have these pipes checked for blockage from time to time so that the heater continues to work properly.

When the heater is not in use for long periods, for instance during the summer, the fuel in the heater can evaporate. It is therefore advisable to operate the heater briefly once a month when it is not in regular use.

Heat output: 8,000 BTU/h

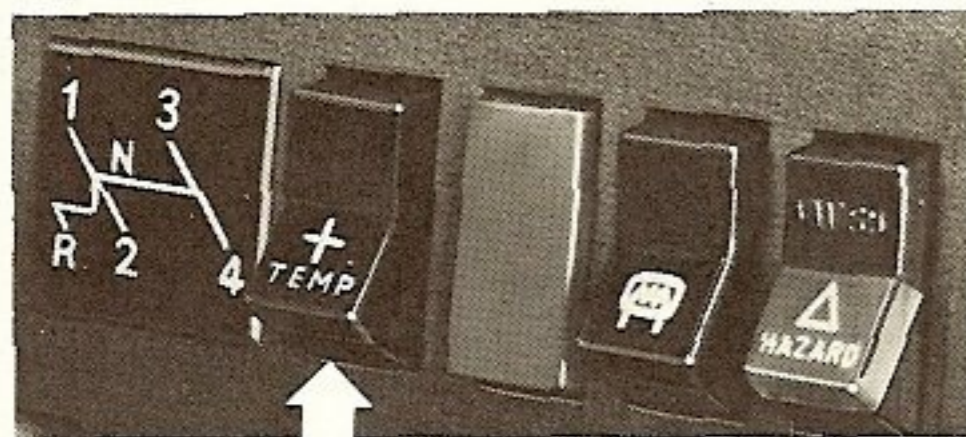
Fuel: Gasoline from fuel tank

Fuel consumption:
appr. 0.6 Imp. pint/h

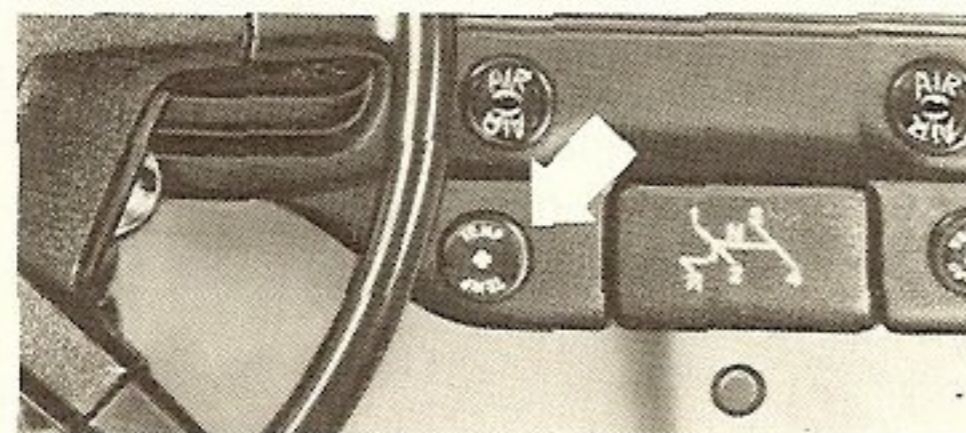
(0.7 U.S. pint/h or 0.3 liter/h)

Current consumption: 40 watts

VW 113



VW 111



Towing and trailer hauling

A – Towing

Always observe local laws and municipal ordinances governing towing.

In an emergency, your VW can be towed as follows:

VW 113 and Convertible

Securely fasten the tow rope around the left **or** right bumper bracket at front or rear.

Do not raise the vehicle by these brackets, as this may damage the energy absorbing elements in the brackets.

VW 111

At the **rear**, securely fasten the tow rope around the left or right bumper bracket.

At the **front**, attach the tow rope to the towing eye on the right side of the lower axle tube. This towing eye is for emergency towing over short distances only.

When towing your VW place the gearshift lever in Neutral. Turn the ignition on to be able to operate parking lights, turn signals and stop lights. Be sure to release the parking brake.

Please keep in mind . . .

The driver of the towing car must be careful when driving off and shifting to avoid sudden and abrupt jerks.

The driver of the towed car must always keep the tow rope taut.

B – Trailer hauling

It is possible to tow a trailer with your Volkswagen.

When towing a trailer with the **Automatic Stick Shift**, start out in the low driving range with this extra load.

Always shift to a lower range or gear when driving up or down steep hills.

The total weight of a trailer (without brakes) should not exceed 882 lbs./400 kg. The total weight of a trailer with brakes should not exceed 1433 lbs./650 kg. The trailer tongue load should be 55 to 110 lbs./25 to 50 kg.

Distribute load in the trailer evenly. And remember: the additional trailer weight affects the braking of your car so that a longer distance is needed to bring the car and trailer to a stop. Test the brakes before starting out on a trip with a trailer.

VW Automatic Stick Shift

If you plan to tow a trailer with the VW Automatic Stick Shift, have an ATF warning light installed on the dashboard by your Authorized VW Dealer.

Stop at once . . .

if the ATF warning light comes on. It indicates that the Automatic Transmission Fluid may have reached too high a temperature. This may be caused by stop-and-go traffic, mountain driving, etc.

Stop the engine and check the ATF level. If it is not as required, do **not** continue driving. Contact your nearest Authorized VW Dealer.

If you have enough ATF, you may continue driving, **but only in a lower driving range**. The ATF warning light should go out after a while when the ATF has sufficiently cooled down.

If the ATF warning light has come on while driving in **Low range**, stop the engine to permit the ATF to cool down. You may continue driving after the ATF warning light has gone out.

Winter operation

Battery

During the winter months, the battery is subjected to greater use than in the summer months. More current is consumed when starting at very low temperatures. Lights and the rear window defogger are used more often. Besides, the battery tends to decrease in capacity as the temperature drops.

Therefore, it is very important to keep your battery in the best possible condition. See also "Battery" on page 38.

Do not expose battery to open flame or electric spark as hydrogen gas generated by the battery is explosive. Do not let battery acid come in contact with skin, eyes, fabric or painted surfaces.

A really cold battery may not have the same capacity as a battery at normal temperature. If you mainly drive short distances or in city traffic, have the battery checked and, if necessary, charged between regular inspections.

Door locks

can freeze in the winter if water gets into them. When washing your car in the winter, do not aim the water jet directly at the locks. It is a good idea to put tape over the keyholes to prevent water from seeping in. Water in the locks must be removed with compressed air afterwards. Squirt lock de-icer, anti-freeze, or glycerine into the lock cylinders to prevent the locks from freezing.

To open a frozen lock, warm up the key before inserting it. It might also help to warm the lock. Do not use hot water as it will later freeze in the lock.

Emergency equipment

It is good planning to carry emergency equipment in your car. Some of the things you should have are: window scraper, snow brush, container or bag of sand or salt, flares, small shovel, first-aid kit, etc.

Engine oil

To make starting easier during the cold winter months, we suggest you choose a thinner grade motor oil. Turn to page 52 for the recommended oil grades.

If you drive mostly short distances and in city traffic, we recommend you have your engine oil changed at 1500-mile intervals in the winter.

Transmission oil

SAE 80 W or SAE 80 W/90 (multi-grade) hypoid oil can generally be used in the transmission all year.

In arctic climate and areas with temperatures consistently below -13° F, use Automatic Transmission Fluid (ATF) for the transmission and final drive. When the temperature rises, replace the ATF with SAE 80 W or SAE 80 W/90 (multi-grade) hypoid oil. See also page 53.

Windshield washer

Add anti-freeze to the washer fluid to prevent it from freezing. Follow the instructions on the can for the right amount to be used.

Sparks plugs

Make sure the spark plugs are not worn or have a gap larger than 0.028 in. or 0.7 mm.

For further details see page 47.

Tires

Your Volkswagen is equipped with tubeless bias ply tires. Volkswagen tires comply with all applicable Federal Motor Vehicle Safety Standards.

Tire pressures

VW-recommended **cold tire inflation pressures** are listed on a sticker on the inside of the glove compartment door.

For good car handling and long tire service life, it is important to maintain recommended tire pressures. Tires which are inflated above or below specifications can cause increased tire wear, increased gas consumption and affect the road holding of the car.

In the interest of safety, check the tire pressure of all tires, including the spare tire, at least once a week, and always before going on a long trip.

Spare tire pressure

Since the spare tire supplies the pressure to operate the windshield washer, the pressure of the spare tire should be between 29–42 psi (2.0–3.0 kg/cm²). This pressure level is only to be maintained for the operation of the windshield washer system. For road use, the pressure in the spare tire should be adjusted as specified on the sticker on the inside of the glove compartment door.

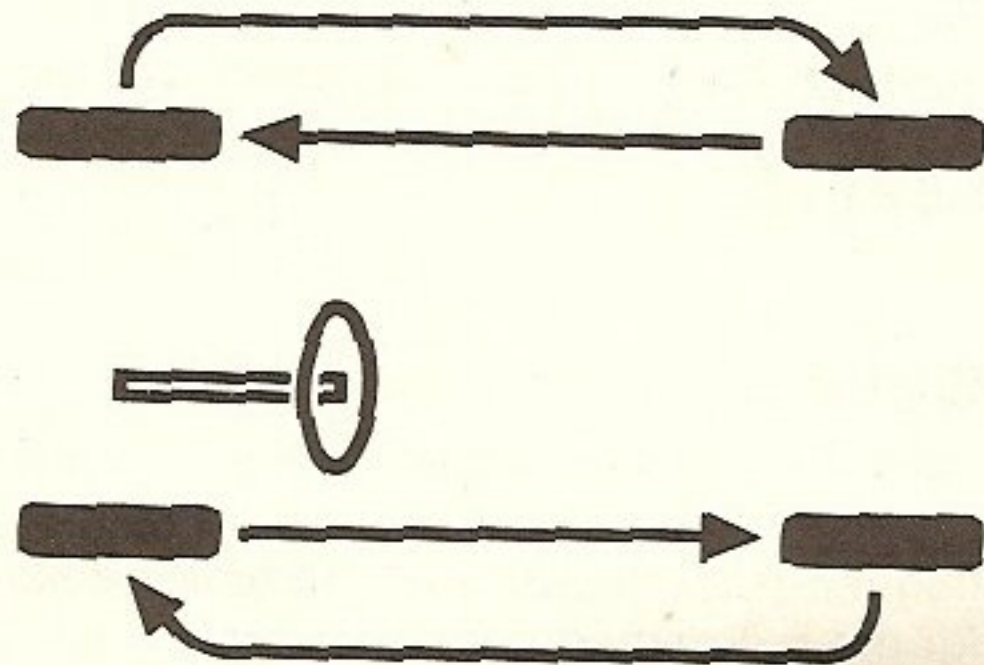
Tire rotation

If uneven tire wear should occur, we recommend that the tires be rotated as shown in the sketch below. Afterwards, the tire pressures must be corrected. The wheel bolts should be torqued diagonally to 94 ft. lbs. or 13 mkg. See also page 36.

Wheel balancing

A wheel should always be balanced after a tire repair. Also, since regular use can cause tire imbalance, the wheels should be balanced from time to time. Unbalanced wheels may affect car handling and tire life.

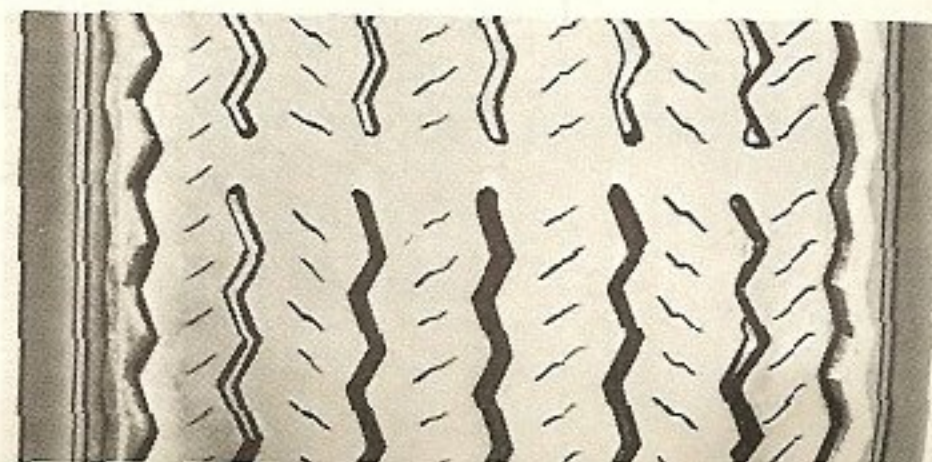
For road use do not exceed the maximum tire inflation pressure listed on the tire sidewall.



Tire wear

The original equipment tires on your VW have built-in tread wear indicators. They are molded into the bottom of the tread grooves and will appear as approximately 1/2 inch bands when the tire tread depth becomes 1/16 of an inch. When the indicators appear in two or more adjacent grooves, it is time to replace the tires. We recommend, however, that you do not let the tires wear down to this extent. Worn tires cannot grip the road surface properly, and are even less effective on wet roads.

If you notice that tires are wearing unevenly, consult your Authorized VW Dealer. Uneven wear may not always be due to improper wheel alignment. It can be the result of individual driving habits such as cornering at high speeds. If the tire pressure is not checked and adjusted regularly, abnormal tire wear can also occur.



Indicator visible – tread worn

Do not drive with worn tires or tires showing cuts or bruises as they may lead to sudden deflation.

Tire replacement

In the interest of maximum safety and best all-around car handling, always buy replacement tires that show the same specifications with regard to tire size, design, load carrying capacity, tread pattern, etc. This also applies to VW-recommended alternate replacement tires.

Tire specifications are imprinted on the sidewall of the tires. If in doubt, check with your Authorized VW Dealer.

Replace all 4 tires at the same time. If this is not possible, replace tires in pairs, either front or rear.

New tires do not possess maximum traction. They tend to be slippery. Break new tires in by driving at moderate speed for the first 60–100 miles.

Winter tires

Winter tires give good traction in snow or slush.

For a better grip on hard snow or ice, you can use winter tires with studs, but **check with your local Motor Vehicle Bureau** for possible restrictions. Winter tires with studs should be run at moderate speed when new to give the studs time to settle.

Winter tires should preferably be mounted on all four wheels. They should also conform to the same load requirements as original equipment tires.

Inflation pressures for winter tires are listed on the sticker on the inside of the glove compartment door. **Do not exceed the maximum tire inflation pressure listed on the tire sidewall.**

Winter tires do not fulfill their purpose if the tread depth is less than $\frac{5}{32}$ " (4 mm). For safety reasons, it is not advisable to drive with winter tires at top speeds. Winter tires do not have the same degree of traction on dry, wet or snow-free roads as regular tires.

The driving direction should be clearly marked on all tires before removing them for storage. This is to make sure that they are mounted and run in the same direction as before.

Snow chains

Use only thin chains that do not protrude from the tire tread and inner side wall more than $\frac{1}{2}$ inch, including tensioner.

Chains are required for rear wheels only. **Check with your provincial or local authorities regarding the use of chains.**

Remove the chains as soon as the roads become free of snow as they may promote increased tire wear.

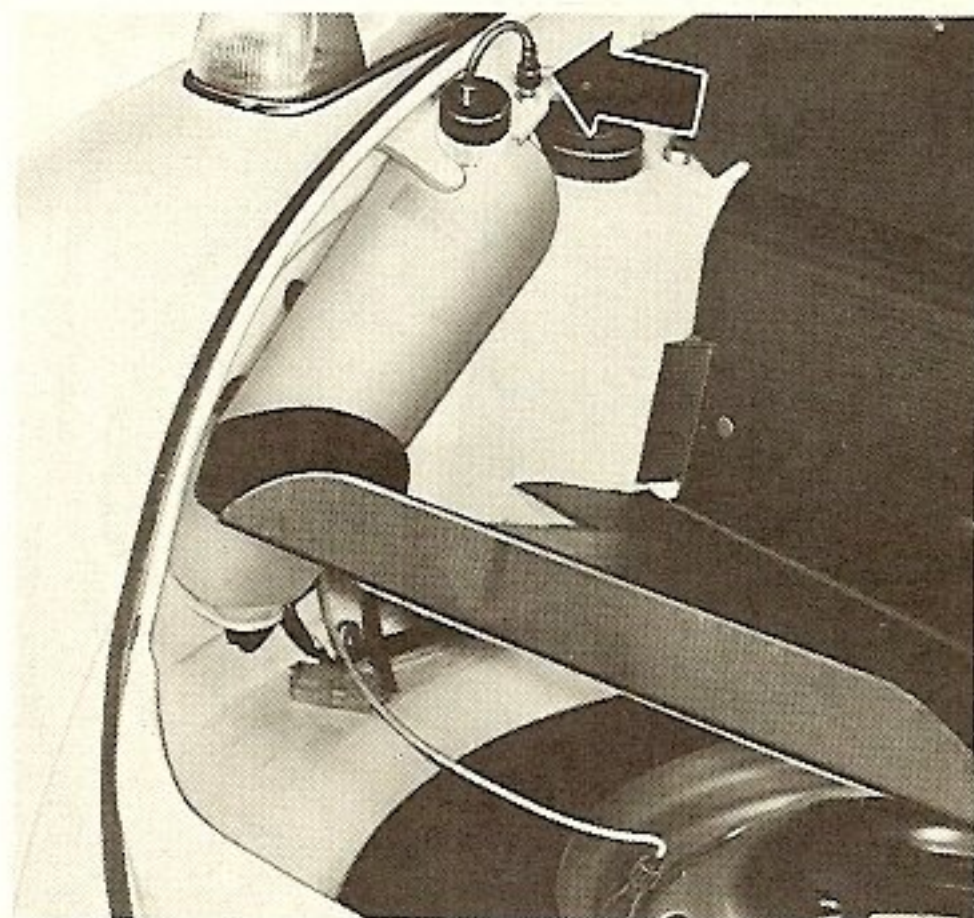
Tire care

- 1 – Frequently check tires for damage. Remove imbedded material.
- 2 – Keep oil and gasoline away from tires.
- 3 – Replace worn tires in time.
- 4 – Replace missing valve dust caps as soon as possible.

Spare wheel

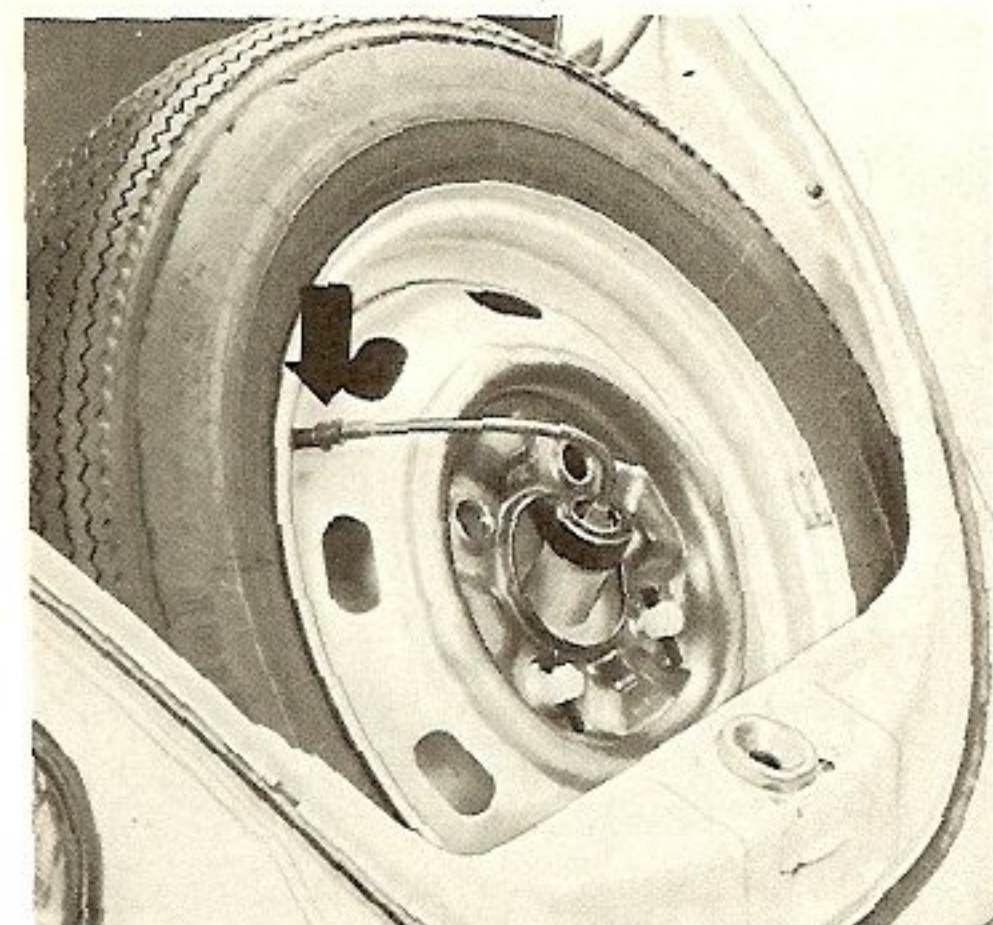
The spare wheel is under the front hood. To unlock the hood, pull the lever inside the glove compartment.

In the **VW 113**, the spare wheel is stored horizontally under the luggage compartment cover.



The spare wheel is connected to the windshield washer container and supplies the pressure to operate the washer. The air supply to the windshield washer will be interrupted automatically by a cut-off valve if the tire pressure drops to 26 psi (1.8 kg/cm²). This prevents the spare tire from being deflated below the required pressure.

In the **VW 111**, the spare wheel is stored in an upright position in the spare wheel well.



Check the tire pressure from time to time and maintain it up to a maximum of 42 psi (3.0 kg/cm²). This pressure level is only required for the operation of the windshield washer system. For road use, adjust the spare tire pressure as specified on the sticker on the inside of the glove compartment door.

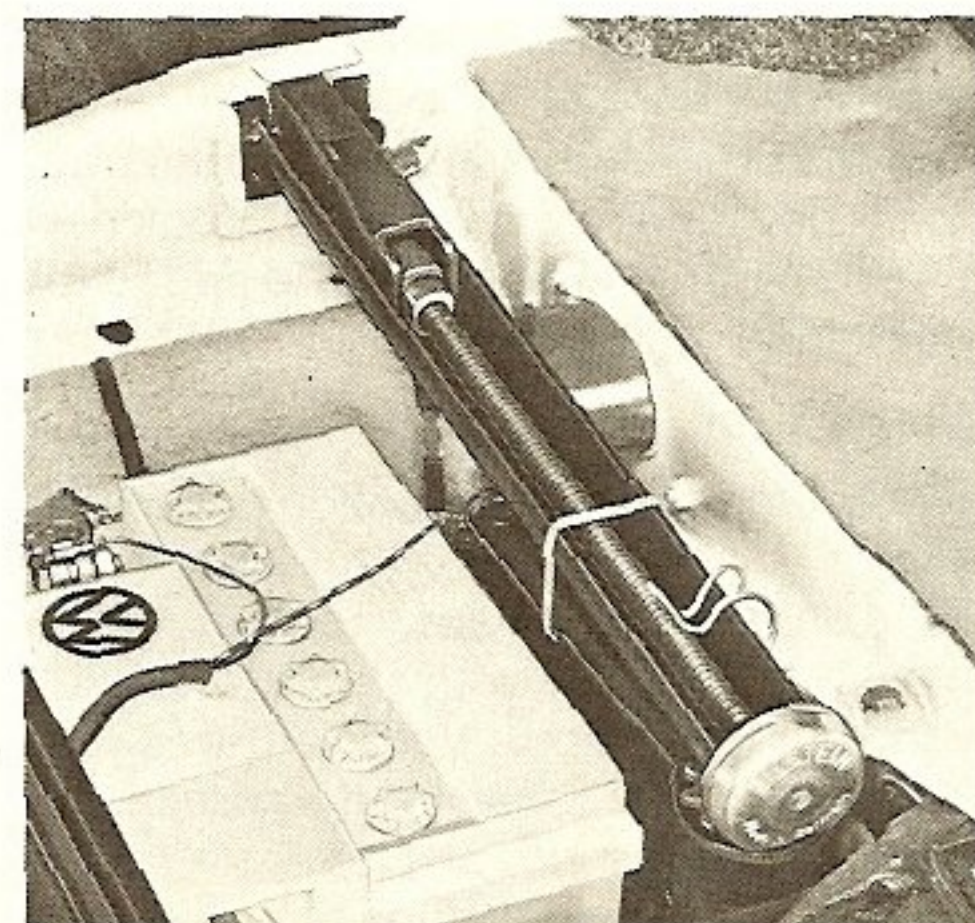
To check or correct the pressure, first unscrew the hose from the valve near the filler cap of the windshield washer container (see also picture on preceding page). The spare wheel is connected to this valve and can therefore be pressurized via this valve. Reconnect the hose to the valve after checking or inflating the spare tire.

On the **VW 111**, disconnect the windshield washer hose from the valve of the spare tire (see left picture). Reconnect the hose after inflating or checking.

Jack

The jack is only to be used for changing a wheel. Do not use it as a support to work underneath the car.

The jack is located under the rear seat next to the battery. It is held in stowage position by a clamp. To take out the jack, take out the rear seat (see page 43) and lift the clamp. Before putting the jack back in again, wind it down sufficiently. Tighten the clamp.



Changing a wheel

If you have a flat tire, **move off the road. Turn on the emergency flasher. In addition, mark the position of your car with flares or other warning devices to alert other motorists.**

Before you change a wheel, be sure **the ground is level and firm, especially** near the rear wheels where the **jack ports** are.

Set the parking brake and block the wheels opposite the defective wheel on the other side of the car.

For a more efficient and safe changing of a flat tire, observe the following 10 steps.

Further on, we expand on these steps in greater detail.

Step 1 – Take out tools, jack and spare wheel.

Step 2 – Remove hub cap.

Step 3 – Loosen wheel bolts. **Do not take them out.**

Step 4 – Securely insert the jack in jack port. There is **one** for each side. It is under the running board toward the rear, and is used for front or rear wheel changing.

Never jack the car up by the bumper or the running board.

Step 5 – Jack up car.

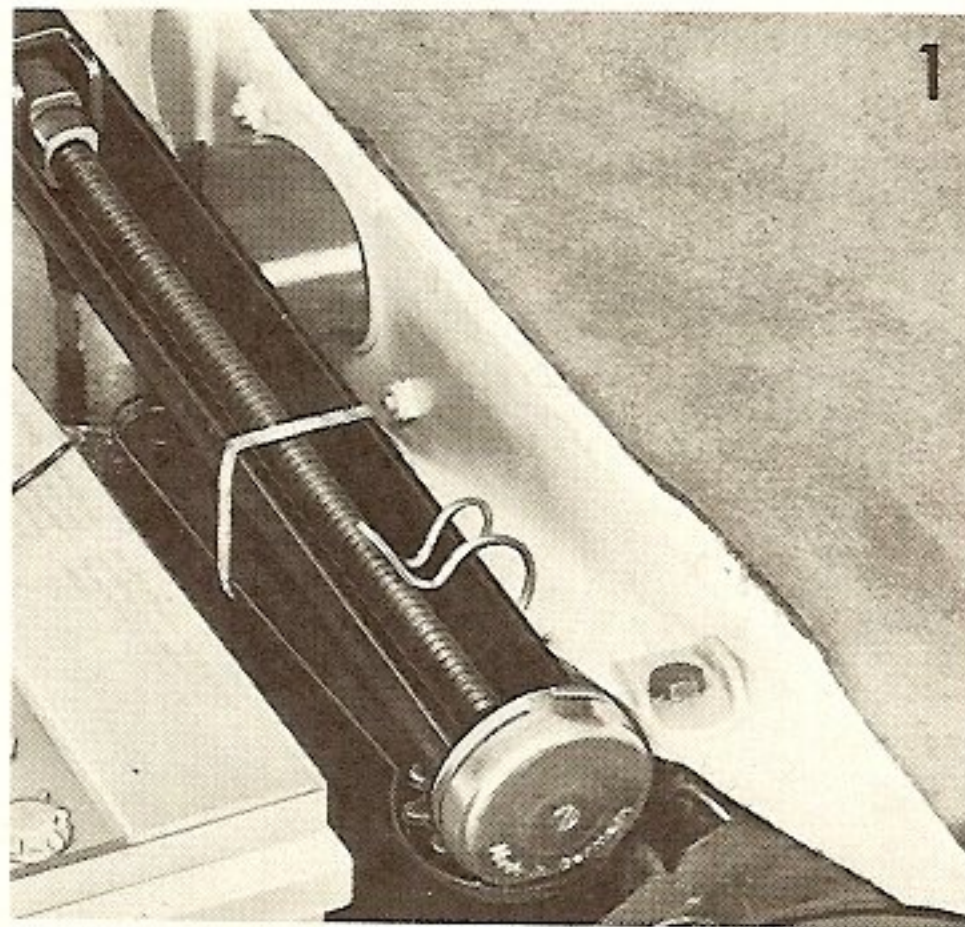
Step 6 – Change wheel and handtighten wheel bolts.

Step 7 – Lower car.

Step 1

Take out your tool kit.

Take out the **jack** from under the rear seat next to the battery. Take the rear seat out (see page 43) and lift the clamp that is holding the jack in stowage position.



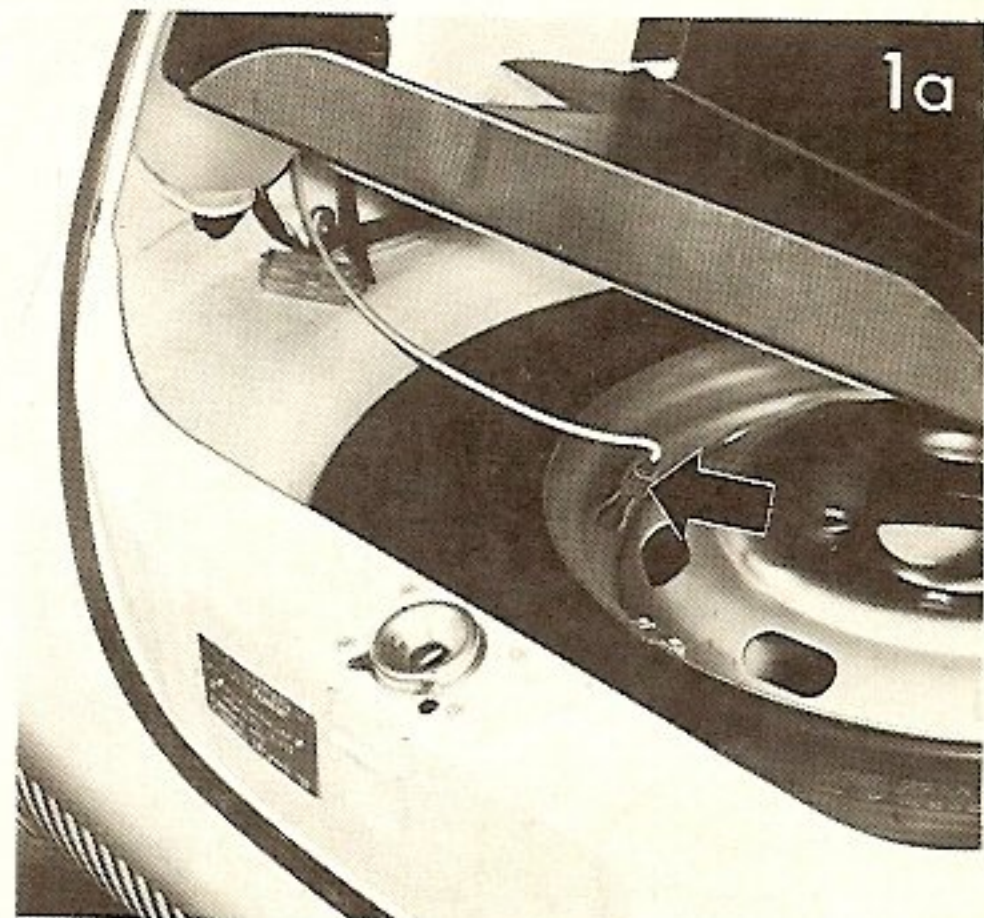
Step 8 – Further tighten the wheel bolts.

Step 9 – Reinstall hub cap.

Step 10 – Torque and air pressure adjustment.

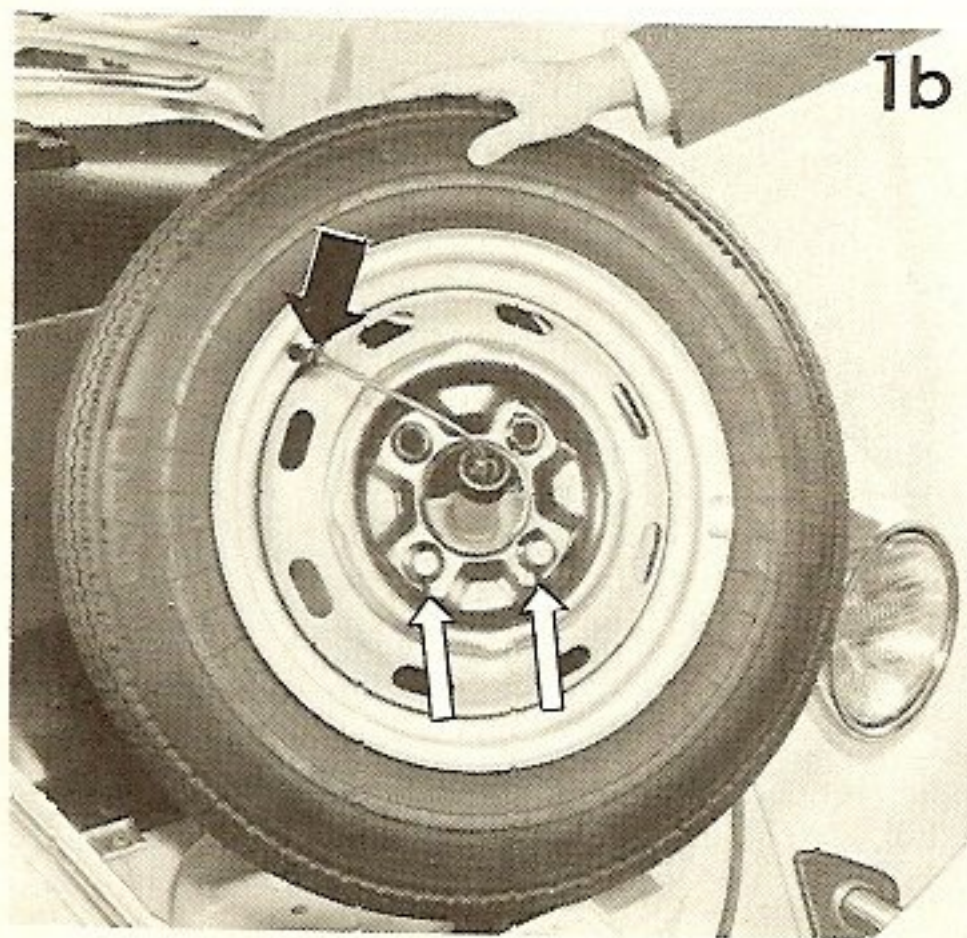
Before you take out the **spare wheel** from under the front hood, disconnect the hose leading to the windshield washer container (see arrow on picture 1a and large arrow on picture 1b).

VW 113



In the **VW 111**, lift the **spare wheel** up and place it on the edge or bumper. This way you have better access to the two wedges (small arrows), that hold the washer container in the rim. Remove the wedges and separate the container from the wheel.

VW 111

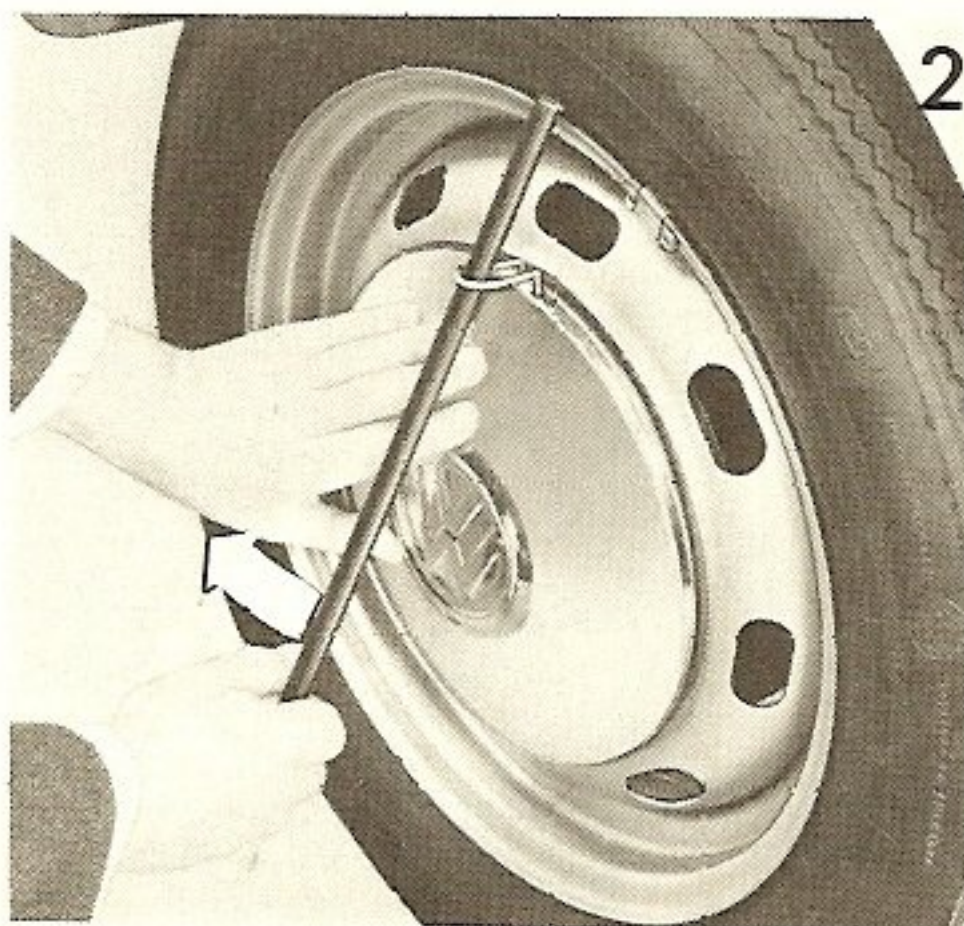


Step 2

With the wheels still firmly resting on the ground, remove the hub cap of the defective wheel.

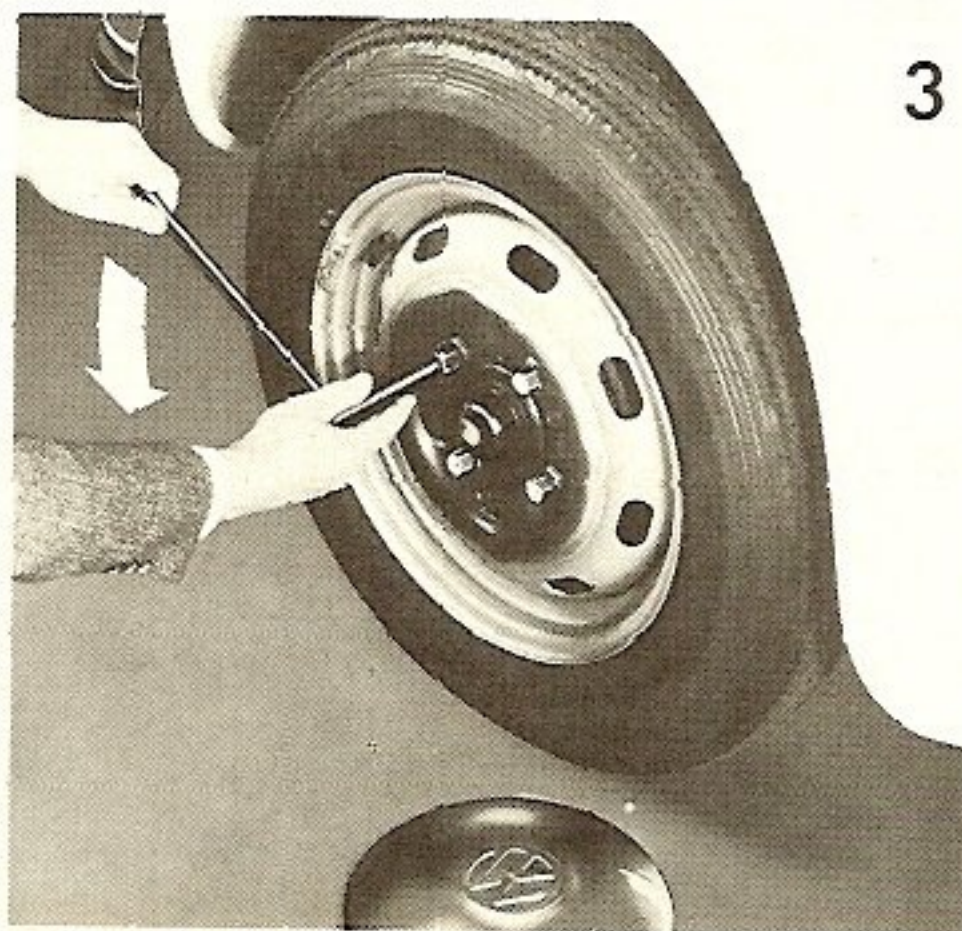
Insert the puller in the holes at the rim of the hub cap. Put the breaker bar through the puller, brace one end of the bar on the wheel rim and tug lightly on the other end.

When you place the hub cap face down, you can use it as a tray for your wheel bolts.



Step 3

Loosen all wheel bolts counterclockwise about one turn with the socket wrench. Insert the breaker bar to make full use of its leverage. **Do not yet remove the bolts.**



Step 4

Securely insert the jack into the jack port. There is one on each side under the running board toward the rear and is used for front and rear wheel changing. **Never jack the car up by the bumper or running board.**

Provide for a **firm base for the jack on the ground.** If necessary, use a board.

Passengers should not remain in the car when the car is jacked up.

Step 5

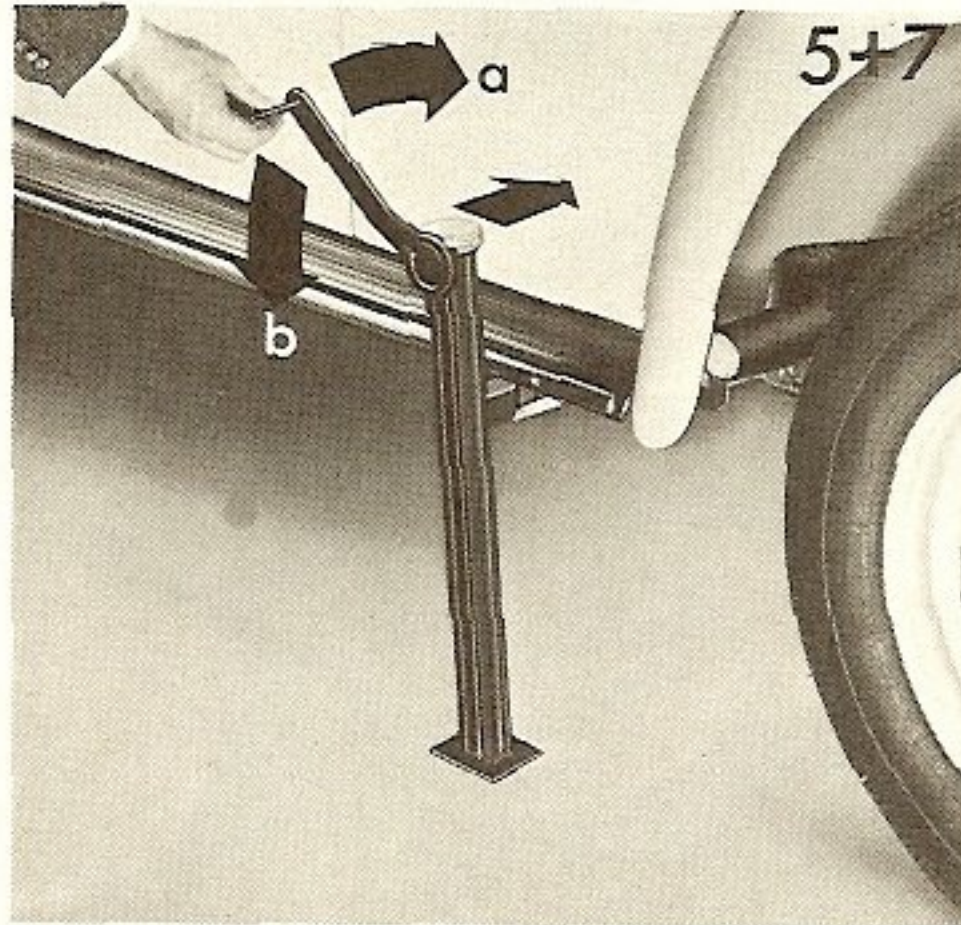
Do not raise the car until you are sure the jack is securely engaged.

To raise the car, turn the handle clockwise.

To get the jack as vertical as possible, push the upper part of the jack toward the body while you are jacking up the car.

Only raise the car as much as is needed to change a wheel.

a = to raise b = to lower



Step 6

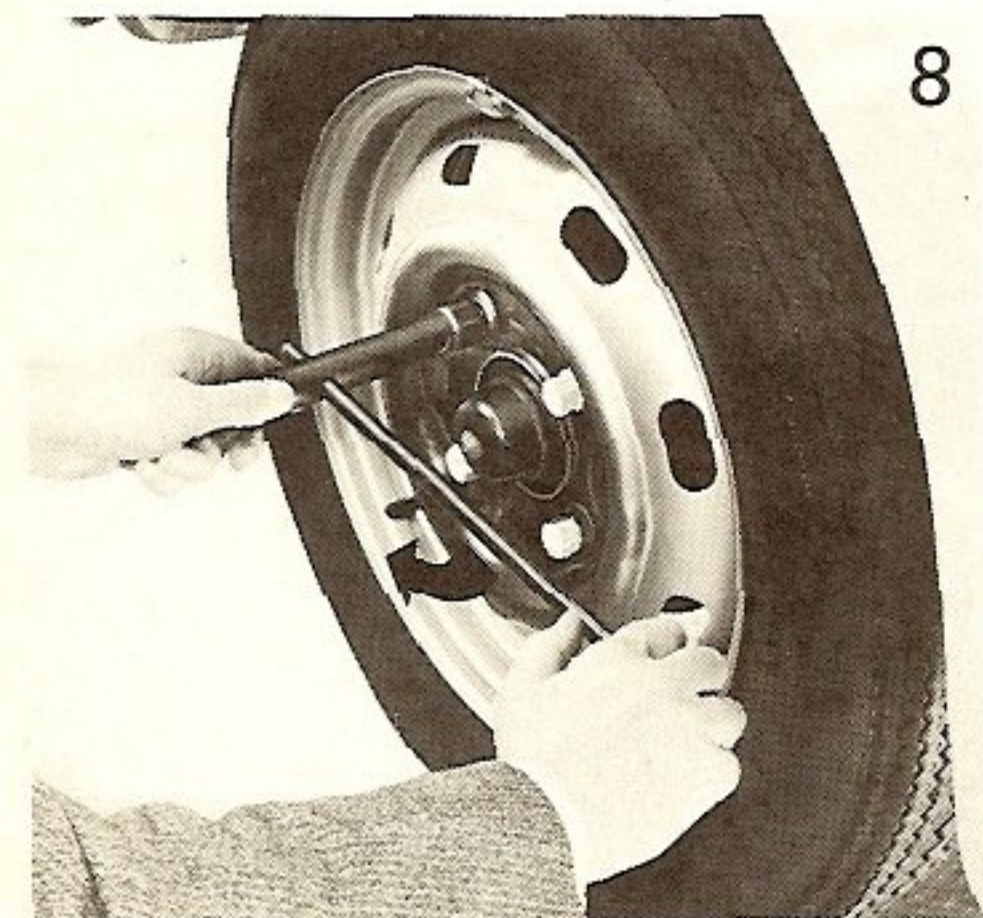
Fully unscrew the wheel bolts and place them into the hub cap. Place the spare wheel against the brake drum so that the bolt holes in the wheel are in line with the threaded holes in the brake drum. Insert the wheel bolts and handtighten them crosswise before jacking the car down.

Step 7

To lower the car, turn the handle counterclockwise.

Step 8

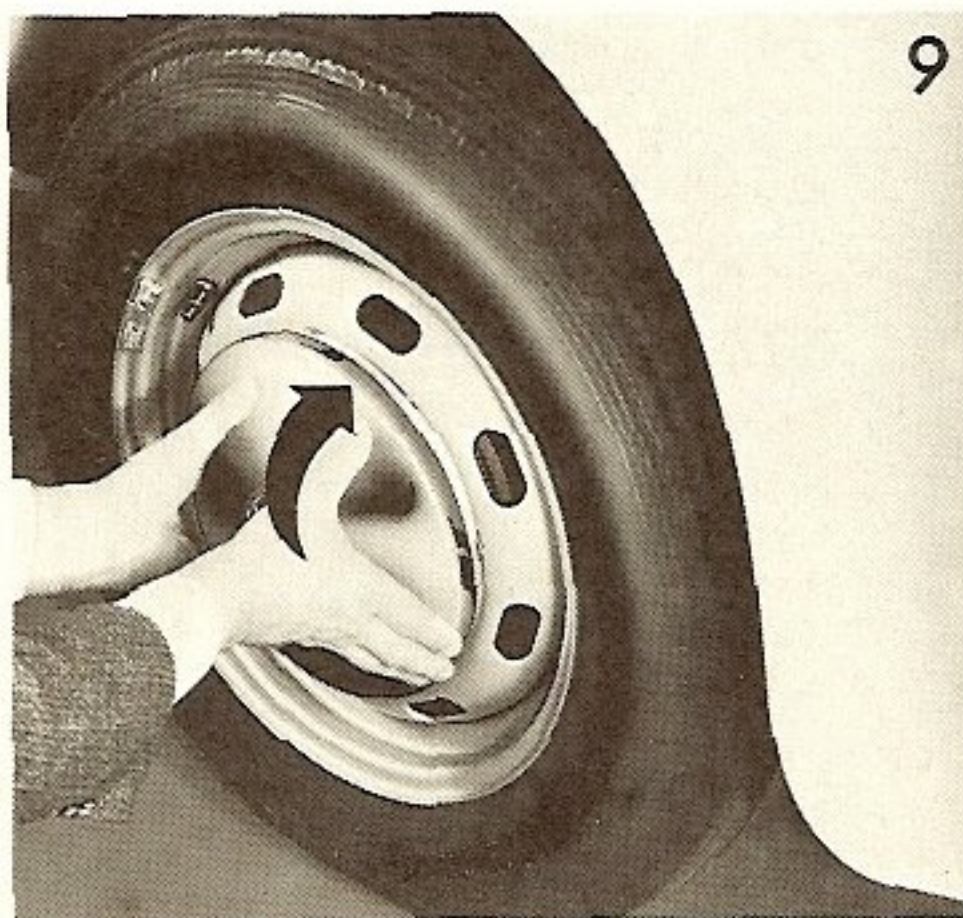
Then go crosswise from one bolt to another, tightening them firmly with the socket wrench and breaker bar.



8

Step 9

To install the hub cap, place it around the lower part of the wheel center, and with a firm push on the upper part, the hub cap will snap into place. Make sure it is properly seated.



9

Step 10

Correct tightness of the wheel bolts is important.

Correctly tightened bolts should have a torque of 94 ft. lbs. or 13 mkg. This torque can be obtained with socket wrench and breaker bar by any person of average strength. If in doubt about the correct tightness of the wheel bolts, have it checked with a torque wrench by your dealer or a service station.

Also, correct the **pressure of the tire** you have just put on.

Recommended tire pressures are listed on a sticker on the inside of the glove compartment door.

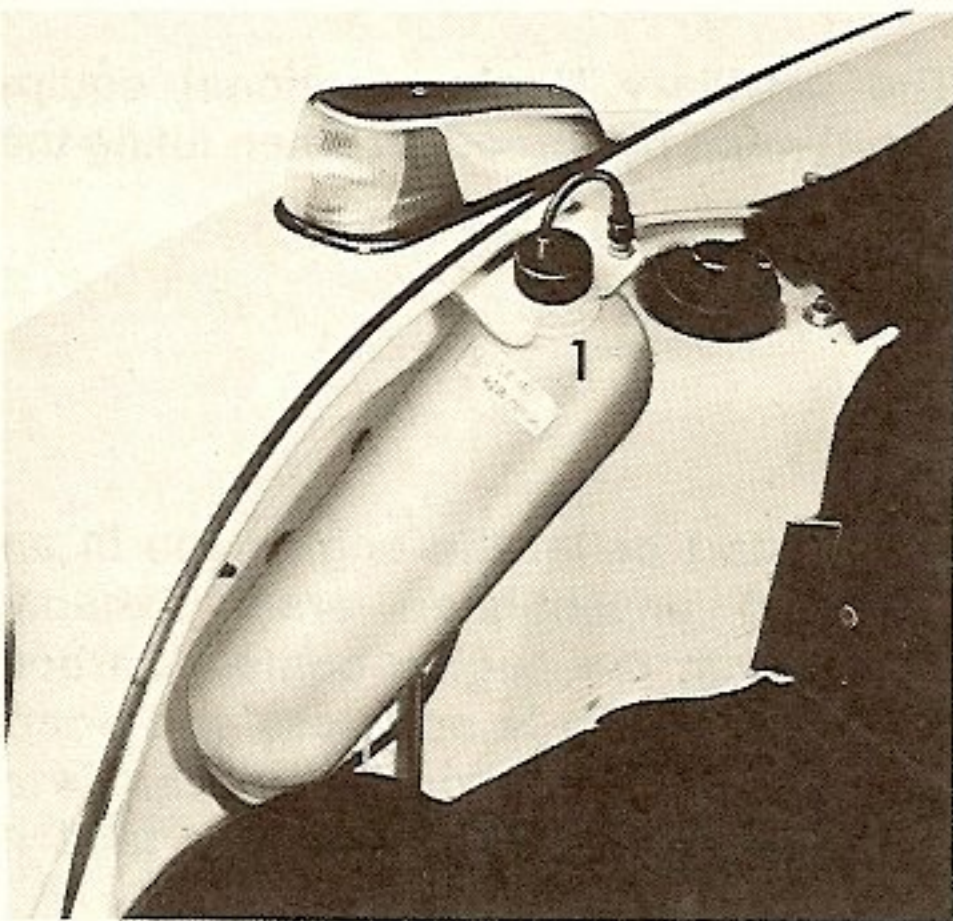
Container for windshield washer fluid (1)

The capacity of the windshield washer container is listed on page 61.

To add washer fluid, just unscrew the filler cap. The container can be filled to the top.

As clear water is usually not adequate for cleaning the windshield, add a cleaning solution to the water. It is a concentrate, so follow the directions on the can for the correct amount to be used.

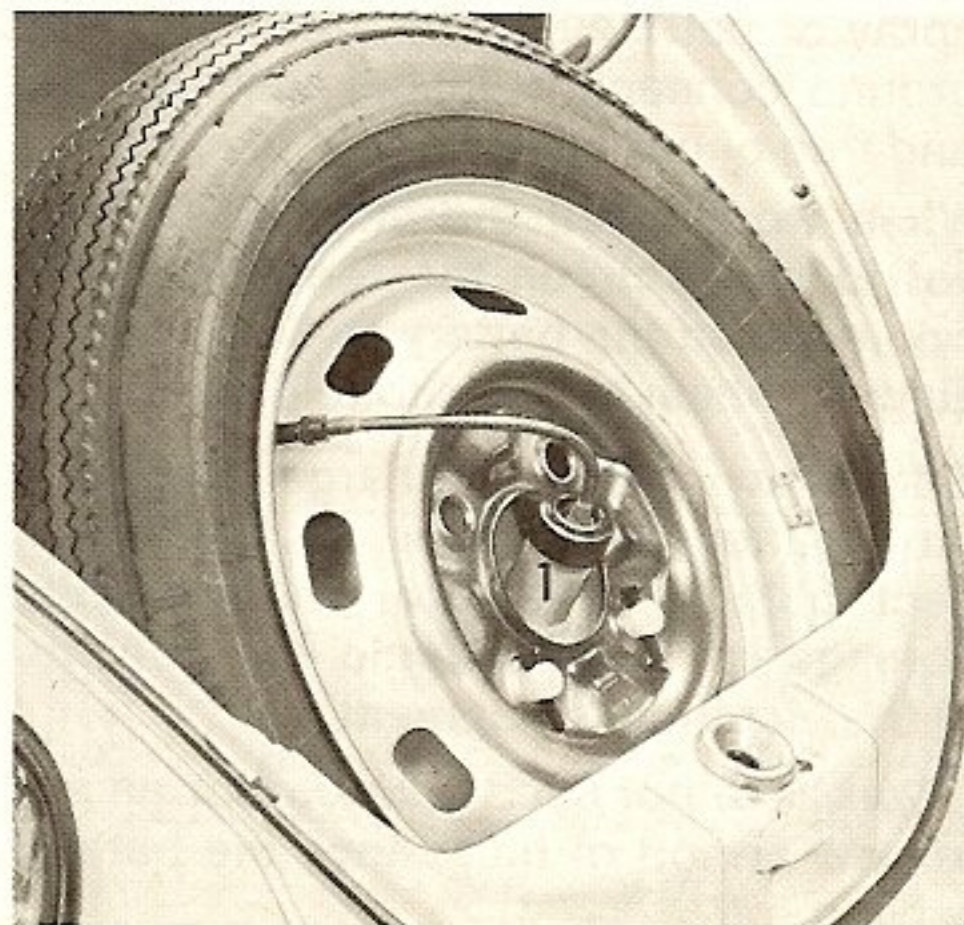
VW 113



You can use this solution all year. It helps to keep your windshield clean, and prevents freezing of the washer fluid in the winter.

Since the spare tire supplies the pressure to operate the washer, it should always be kept up to a pressure of 42 psi (3.0 kg/cm²). To pressurize the spare tire, see page 32.

VW 111



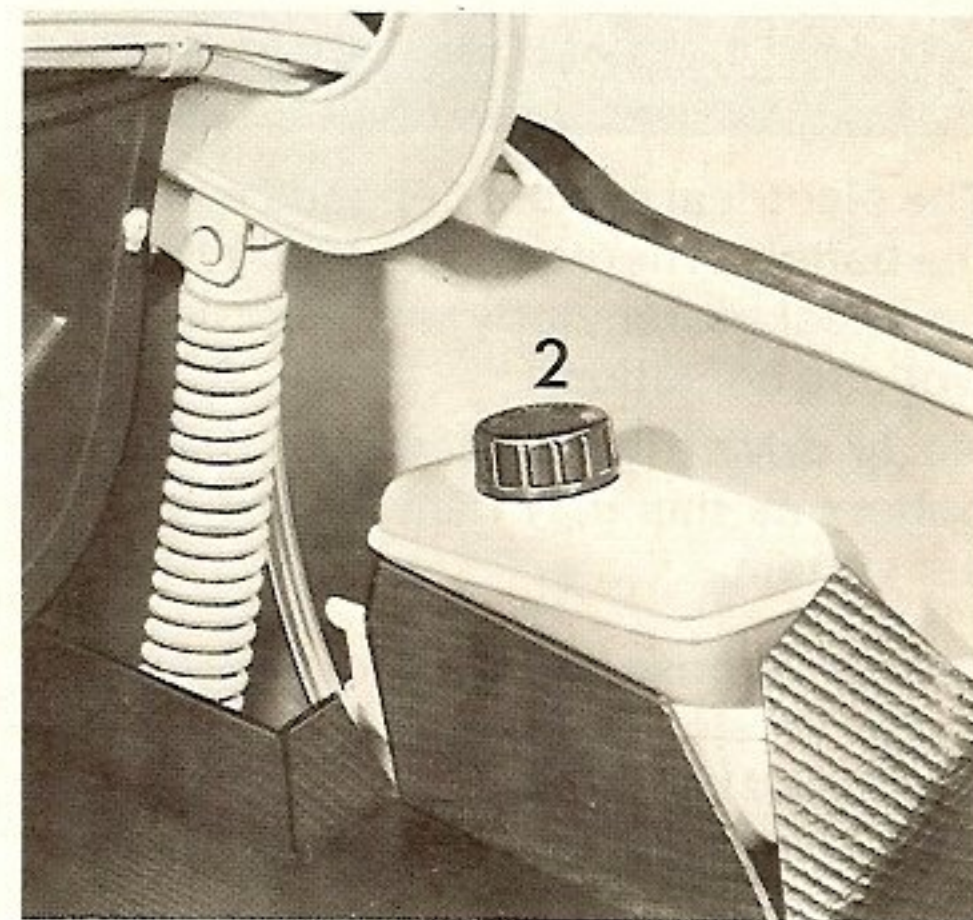
Brake fluid reservoir (2)

The brake fluid should always be above the seam edge near the top of the reservoir. If it drops below this point, the cause should be corrected by your Authorized Volkswagen Dealer.

Every 2 years, the brake fluid has to be replaced.

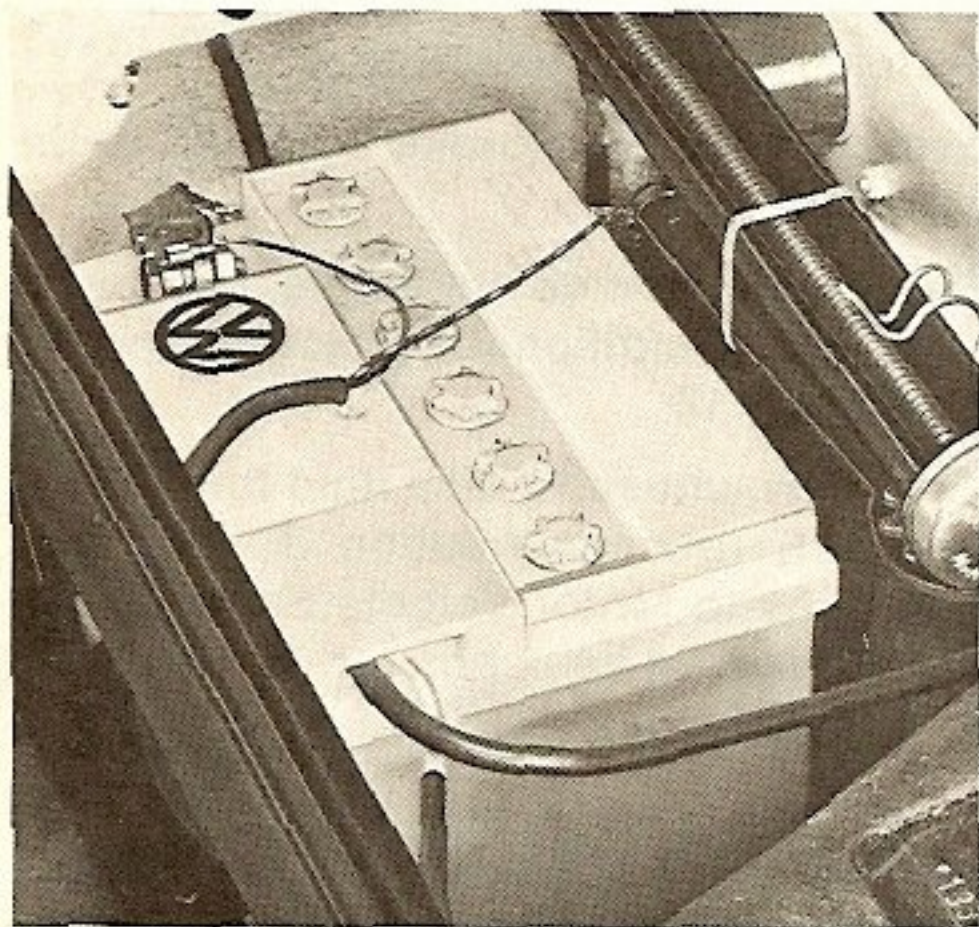
See "Maintenance Schedule" on page D 11 and "Additional Services Record" on page D 18.

Only **new, unused** brake fluid that meets the SAE recommendation J 1703 and conforms to Motor Vehicle Safety Standard 116 must be used.



Battery

The battery is under the rear seat on the right, as seen in driving direction. Just take the rear seat out (see page 43).



The electrical system depends mainly on the battery. Therefore, the battery should be checked regularly and kept in good working condition.

Never drive the car with a disconnected battery as this may damage the electrical system.

Do not expose the battery to an open flame or electric spark. Hydrogen gas generated by the battery is explosive. Do not let battery acid come in contact with skin, eyes, fabric, or painted surfaces.

Each filler plug has to be unscrewed to check the fluid level in each cell. If it is **below** the indicator, top it up with distilled water. **Only fill up to indicator**, otherwise the electrolyte will overflow when the battery is being charged and cause damage.

How often water must be added to the battery depends mainly on operating conditions and on the time of year. As a general rule, the battery electrolyte level must be checked more often in the summer than in the winter, and more often when driving long distances.

The terminals and connections should be kept clean and greased with silicone spray or petroleum jelly. Make sure the ground connection to the body is tight and free of corrosion.

When working on the battery, be sure not to short circuit the terminals. This would cause the battery to heat up very quickly, which could lead to damage.

Before having a quick-charge performed on a battery installed in a car, **disconnect both terminals to avoid serious damage to the electronic components of the electrical equipment.**

If you have not used your car for an extended period of time, have the battery recharged.

Fuel supply

In the interest of cleaner air, the engine of your Volkswagen is designed to run also on lowlead or lead-free gasoline.

The engine requires "**Regular**" gasoline. The minimum octane rating is shown on the label on the inside of the fuel tank flap. If regular fuels with adequate anti-knock qualities are not available, premium fuels should be used or mixed with regular fuel. This might be necessary when traveling outside Canada or the United States if regular gasolines have a lower octane rating than recommended by the manufacturer.

The Auxiliary Heater (optional equipment) must be turned off when filling the fuel tank.

Never start or let the engine run in an enclosed unventilated area. Exhaust fumes from the engine contain carbon monoxide which is colorless and odorless. Carbon monoxide, however, is a very harmful gas, and can be fatal if inhaled.

Fuses

The filler neck to the fuel tank is behind a flap on the side panel above the right front fender. A finger moulding makes opening and closing the flap easier.

The capacity of the fuel tank is listed on page 61.

When putting the cap back on, turn the threaded filler cap until you hear a click.

The 12-point fuse box is located under the instrument panel.

When a fuse is blown, it is not sufficient to merely replace it. The cause of the short circuit or overload must be found. On no account should fuses be patched up with tin foil or wire as this may cause serious damage elsewhere in the electrical circuit. It is advisable to always carry a few spare 8 amp. and 16 amp. fuses in your car.

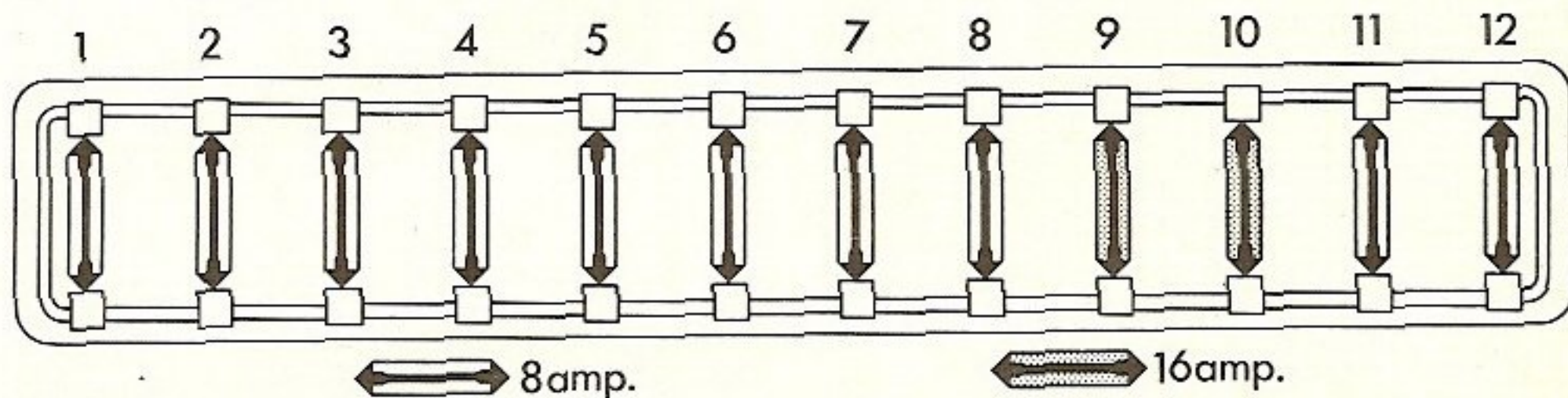
To replace a fuse, simply depress a contact on either side of the fuse.

There are ten 8 amp. fuses (white) and two 16 amp. fuses (red). No. 9 and No. 10 are the two 16 amp. fuses.

Model	111	113
License plate light, Tail light, right	1	2
Parking and side marker lights, Tail light, left	2	1
Low beam, left	3	3
Low beam, right	4	4

Model	111	113
High beam, left	5	5
High beam indicator light	6	5
High beam, right	6	6
Accessories	7	7
Emergency flasher system	8	8
Safety belt interlock system* (incl. buzzer)	9	8
Interior light	9	9
Windshield wipers, Rear window defogger (switch current)	10	10
Fresh air fan	-	10
Safety belt interlock system*, Horn, Stop lights, Automatic Stick Shift control valve** and ATF warning light***	11	11
Fuel gauge, Turn signals, Brake and safety belt warning light, Heater lever spot light, Warning lights in the speedometer	12	12

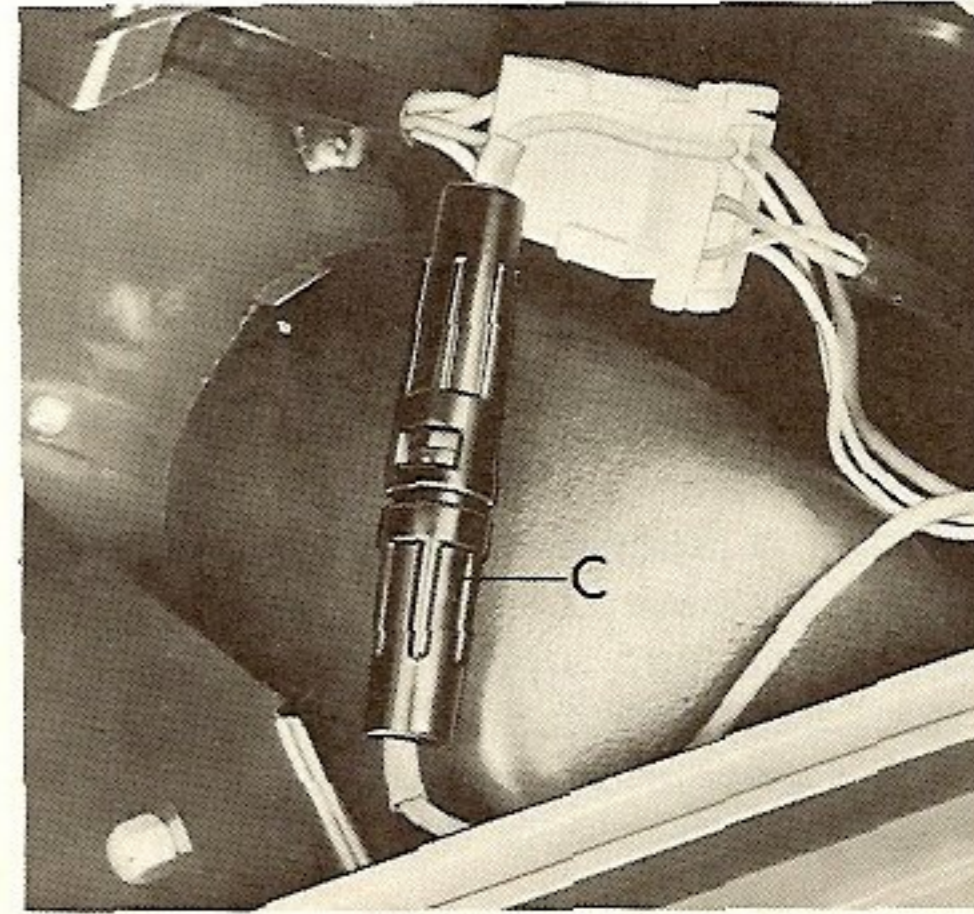
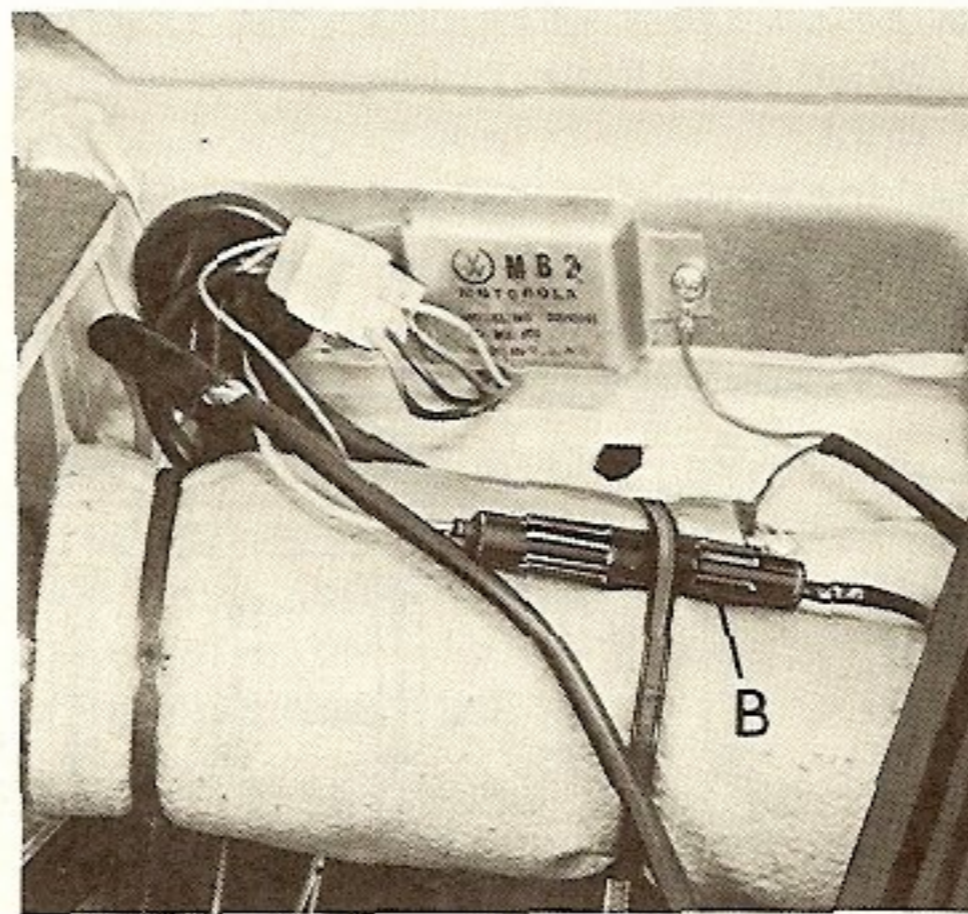
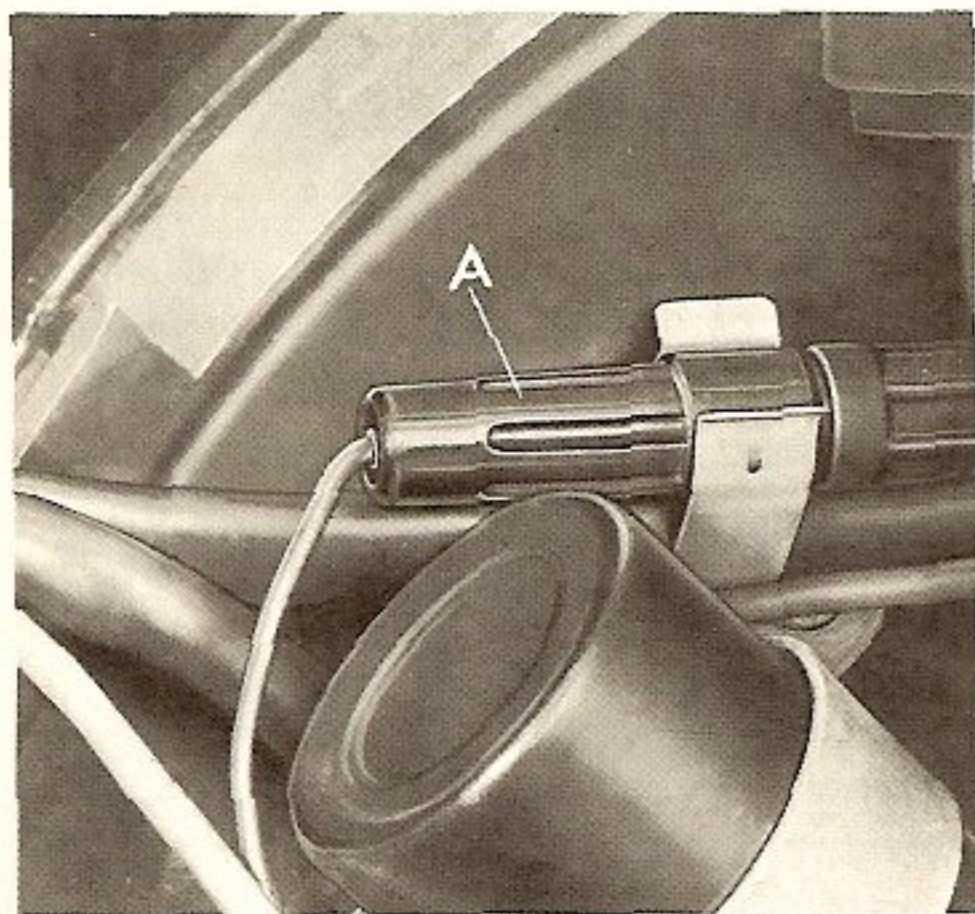
* Where applicable
 ** If this fuse is defective, the transmission cannot be shifted.
 *** Trailer hauling only.



Additional fuses

Electrical equipment	Fuse	Location of fuse holder
Back-up lights	8 amp.	In the engine compartment above the ignition coil (A)
Rear window defogger (main current)	8 amp.	Underneath the rear seat on the left (B), (as seen in driving direction).
Auxiliary heater (optional equipment)	16 amp.	In the front luggage compartment near the heater (C)

To replace a fuse in an inline fuse holder, pull the holder out of the clip, where necessary. To open the holder, grasp both ends of the holder, press lightly together and twist counterclockwise. Install fuse. To close the holder, put both ends together again, press lightly and twist clockwise.



Cleaning your VW

The paint on your VW is very durable, and so is the upholstery. But a car can get a lot of abuse from industrial fumes and corrosive road salt to half-eaten lollipops and muddy dog feet.

A well-cared-for VW can look like new 10 years later. It all depends on the owner and the amount of care he is willing to give to his car.

Here are a few hints on how to keep your VW looking young and beautiful. Cleaning products are available at any VW Dealer.

Whenever using VW-recommended products or other cleaning agents, **follow the directions on the containers. Be aware of warning or caution labels.**

Washing your VW

The longer the dirt is left on the paint, the greater the risk of damaging the glossy finish, either by scratching if the dirt is rubbed into the paint, or simply by the chemical effect dirt particles have on the paint surface.

Therefore dirt should be washed off as soon as possible. **NEVER WASH IN DIRECT SUNLIGHT.**

Use plenty of water, a car-wash soap or a Car Wash and Wax, and a soft

sponge or hose brush. Begin by spraying water over the dry car to remove all loose dirt before applying the lukewarm soap/water solution.

Use plenty of water to rinse the car off. Wipe the car dry with a chamois to avoid water spots.

Waxing

Waxing is not really needed when you have washed your car with a Car Wash and Wax. If you do not use a car wash liquid with wax, apply a Paint Preservative and Wax to preserve the natural shine of the car.

To obtain a long lasting wax finish apply a hard wax eight to ten weeks after buying the car. Wax again when water remains on the surface in large patches instead of forming beads and rolling off.

Polishing

Use a polish later in the car's life when the paint appears dull and loses its shine. **Do not polish the new car.**

Always apply wax after polishing.

Cleaning windows

Clean windows with a sponge and warm water. Dry with a chamois.

Weatherstrips

To seal properly, weatherstrips around windows and doors must be pliable. To retain flexibility of the rubber, spray with silicone, available from your VW Dealer, or coat with talcum powder.

Windshield wiper blades

Remove the wiper blades periodically and scrub with a hard bristle brush and alcohol or a strong detergent solution.

Chrome care

To protect the car's chrome, apply a Chrome Preservative.

Touch-up paint

Your dealer has touch-up paint for minor scratches and stone chips. Scratches should be touched up soon after they occur.

Care of chassis

The underside of the car picks up dirt and salt and should be sprayed with a powerful jet of water. This is easier to do after the car has been driven in rain.

Removing spots

Do not use gasoline, kerosene, naphtha, nail polish remover or other volatile cleaning fluids. They may be toxic or flammable or hazardous in other ways. Only use spot removing fluids in well ventilated areas. Keep them out of reach of children.

Tar

Do not allow tar to remain on the paint finish. Remove it as soon as possible with a cloth soaked with a special paint cleaner. If you do not have a spot remover, you may substitute with turpentine. After applying a cleaning fluid, always wash with a lukewarm soap/water solution and apply a new wax coat.

Insects

Remove as soon as possible with a lukewarm soap/water solution or apply insect remover.

Tree sap

Remove with a lukewarm soap/water solution. Do not allow tree sap to harden on the paint surface.

Cloth upholstery and carpet

Clean with a vacuum cleaner or a hard bristle brush. Dirt spots can usually be removed with a lukewarm soap/water solution.

Use spot remover for grease and oil spots. Do not pour the liquid on the

cloth material. Dampen a clean cloth and rub carefully, starting at the edge and working inward.

Leatherette and interior trim

Use an All Purpose Cleaner or a dry foam cleaner.

Grease or paint spots can be removed by wiping with a cloth soaked with the All Purpose Cleaner. Leatherette parts of the headliner and side trim panels can be cleaned with a soft cloth or brush and All Purpose Cleaner.

Cleaning the convertible top

The top does not require any special care. Wash off dirt as soon as possible. **Do not wash in direct sunlight.** Use lukewarm water together with an All Purpose Cleaner. A hard bristle brush will help to loosen dirt from the grained surface of the material. Avoid scratching the body of the car with the bristles.

To remove spots, use a stronger solution of the All Purpose Cleaner. Never use paint thinner, nail polish remover or similar agents as they may have adverse effects on the top material.

After cleaning and washing the top, rinse the car well with clear water.

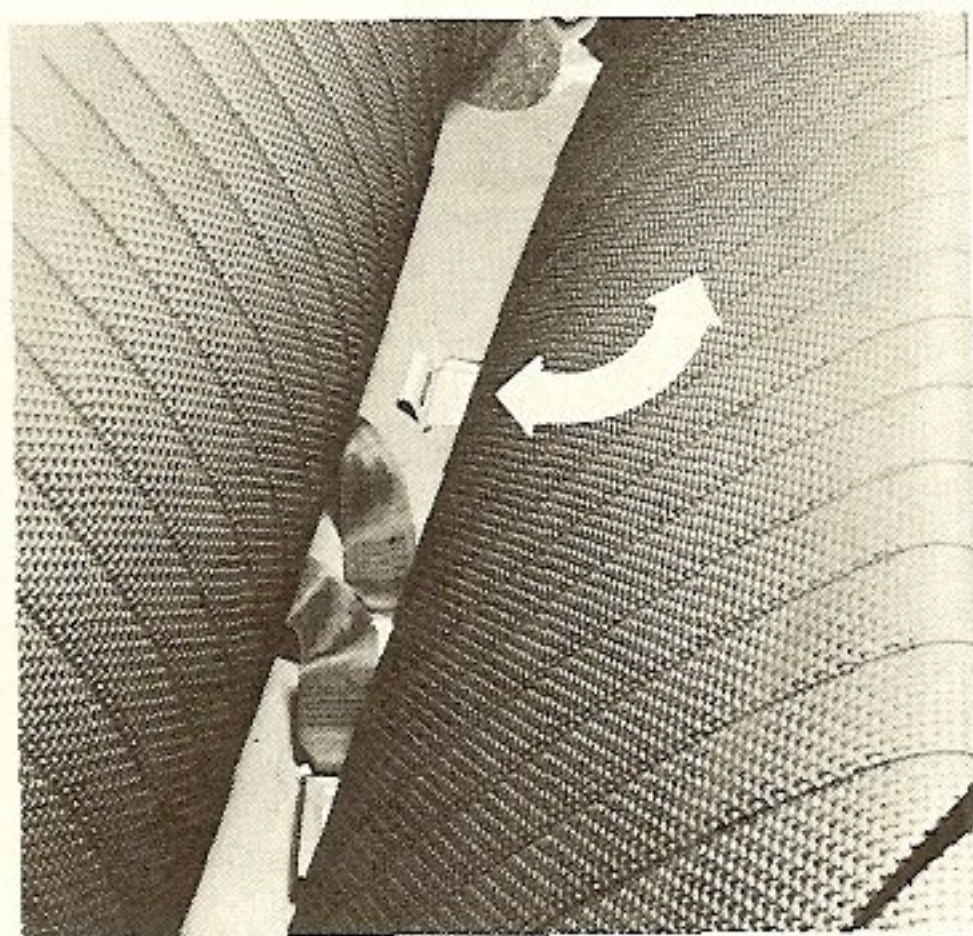
Clean the **pivot points of the top linkage** from time to time, and lubricate them lightly with a few drops of oil. Wipe off excessive oil to prevent oil from dripping on the top material.

Removing and installing rear seat

Do this through the passenger's door. Raise the front edge of the seat and pull it slightly toward you. Reposition the safety belts. For easier removal, tilt the right side of the rear seat up (as seen in driving direction).

When doing this, be careful not to damage the backrest with the retaining hook on the rear edge of the seat cushion. Position the seat diagonally and take it out through the right door.

When putting the seat back in again, follow the same steps in reverse order. Lift the seat into the car through the passenger's door, holding the seat diagonally with the right end of the rear seat tilted up. With the front end of the seat tilted up, slide the seat fully back under the backrest to engage the retaining hook. **Position the safety belts on top of the seat cushion.** Press down the front edge of the seat to firmly position it in place.



Bulb chart

Bulb for	US Replacement bulbs	VW Part No.
Sealed beam (headlights)	6014	111 941 261 C
Front turn signal/parking lights	1034	N 17 738 2
Side marker lights	57	N 17 717 2
Rear turn signal	1073	N 17 732 2
Stop lights	1073	N 17 732 2
Tail lights	67	N 17 718 2
Back-up lights	1073	N 17 732 2
License plate light	89	N 17 719 2
Instrument and indicator lights	—	N 17 722 2
Warning lights for emergency flasher and brake operation, indicator lights for rear window defogger and Auxiliary Heater	—	N 17 751 2
Spot light for heater levers	—	N 17 751 2
Interior light: Sedans	211	N 17 723 2
Convertible	—	N 17 725 2

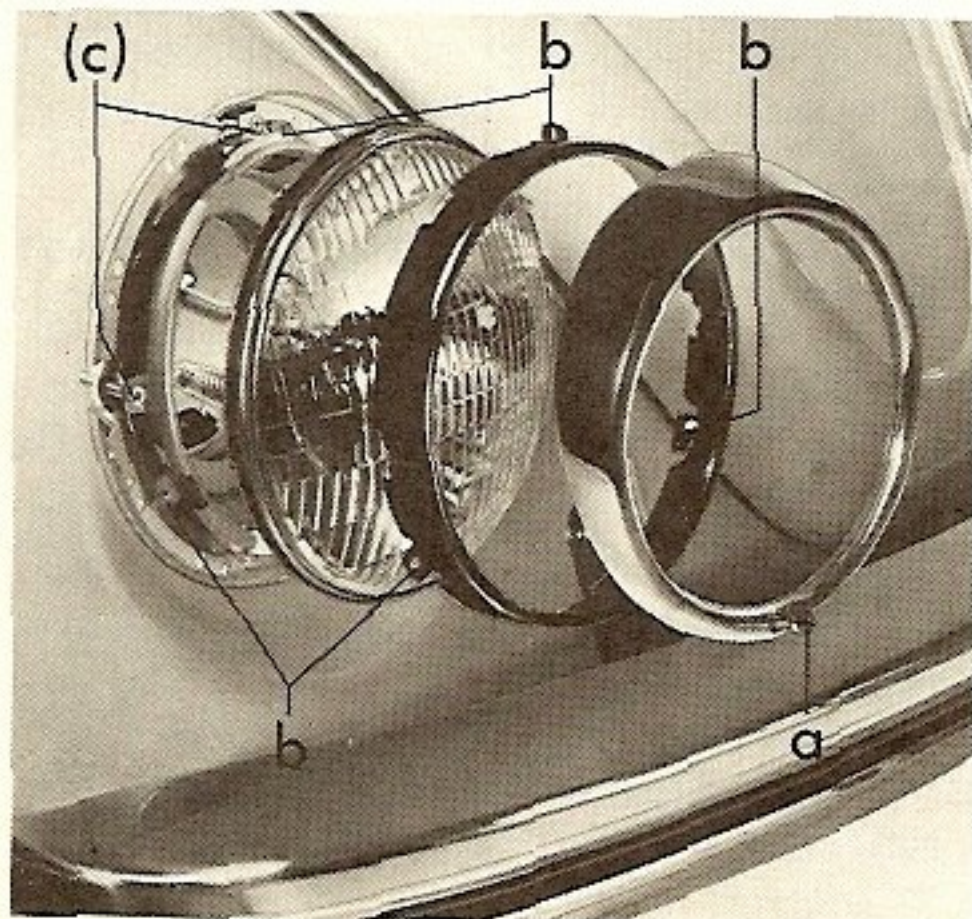
Replacing bulbs

Headlights

Your Volkswagen is equipped with double filament seven inch sealed beam units. Should it become necessary to replace a unit, loosen screw in the center of the trim ring below the headlight and take off the trim ring:

Firmly grasp the loose screw — a — (non-removable) and pull trim ring off.

Remove three short screws — b — in sealed beam retaining ring and take ring off.



Do not alter the position of the long headlight adjustment screws (— c —).

Take sealed beam unit out of support ring and pull cable connector off.

When installing new sealed beam units, be sure the three glass lugs engage properly in the support ring.

Loosely insert the screw for the trim ring and turn for 2 or 3 turns.

Position edge of trim ring over upper lug. Press ring over lug and tighten screw.

If no other headlight part as described here was removed or its position changed, it should not be necessary to aim the headlights. If in doubt have the adjustment checked at your dealer.

Front turn signal/parking light bulb or side marker light bulb

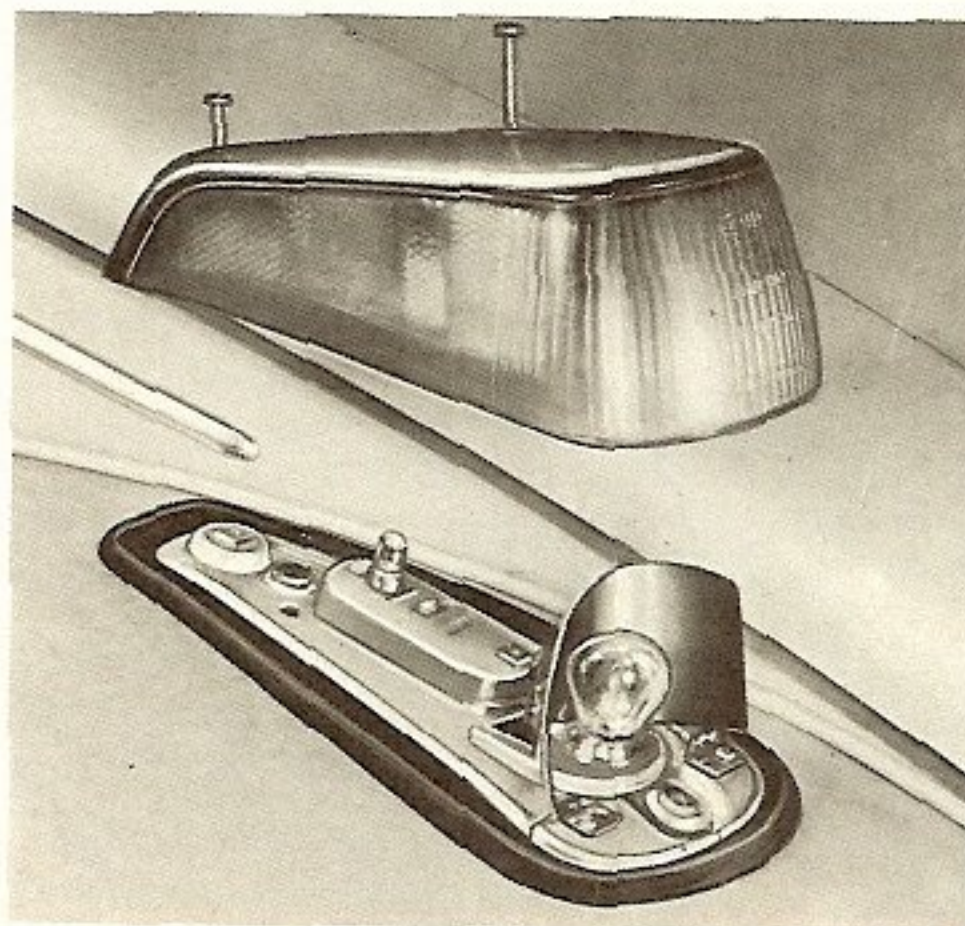
Remove two Phillips screws. Take off housing and lens.

Gently press bulb into holder, turn and take out.

Install new bulb.

Be sure the gasket is properly positioned when reinstalling the housing and lens.

Tighten screws evenly. Do not over-tighten as this may crack the lens.



Rear turn signal, stop/tail light or back-up light bulb

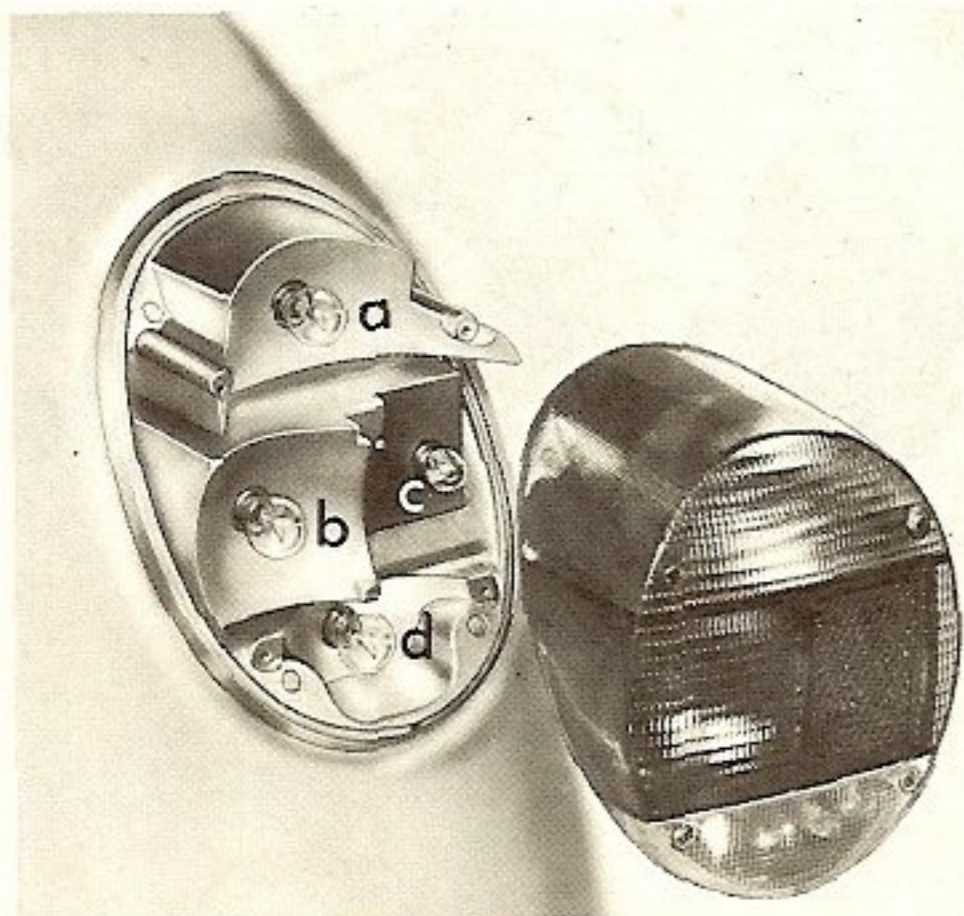
Unscrew four Phillips screws and remove lens.

Bulb positions:

- a – turn signal light
- b – stop light
- c – tail light
- d – back-up light

Gently press bulb into holder, turn and take out. Install new bulb.

Be sure the gasket is properly positioned when reinstalling the lens. Tighten screws evenly. Do not overtighten as this may crack the lens.



License plate light bulb

Open rear hood.

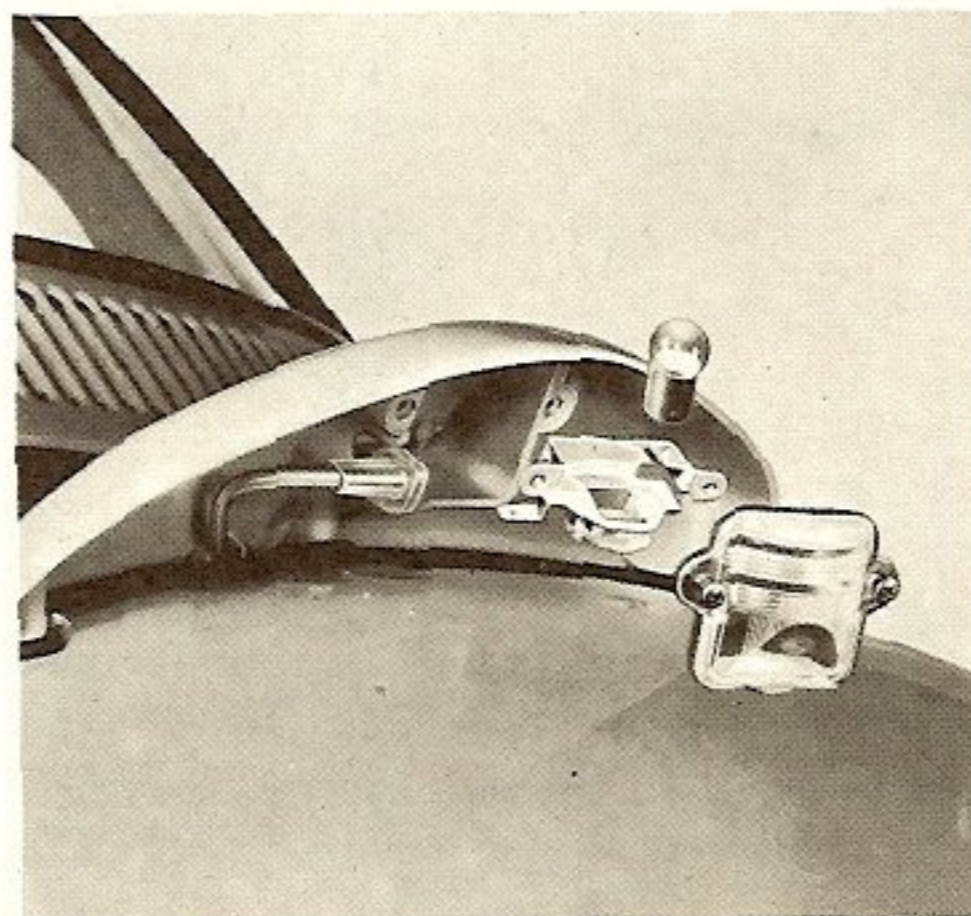
Remove screws on each side of lens and take off lens with bulb holder.

Pull bulb holder out of lens.

Gently press bulb into holder, turn and take out.

Install new bulb.

When installing, ensure that the cable grommet fits properly.



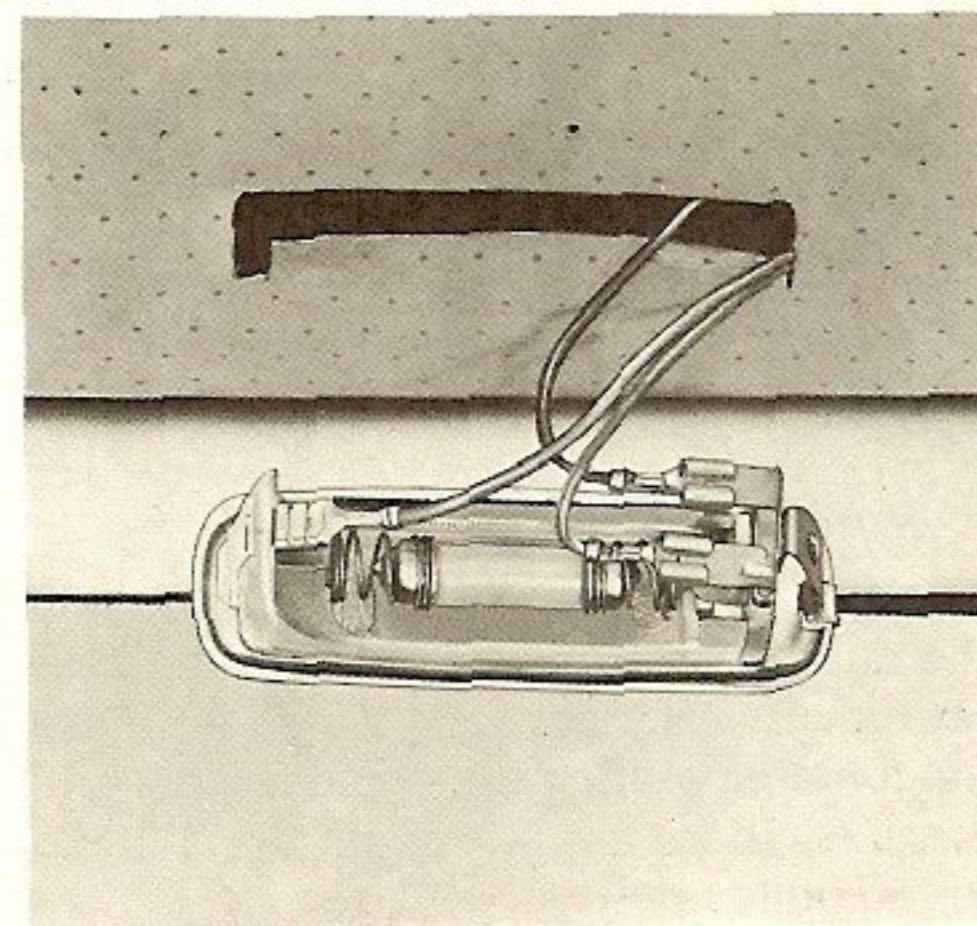
Interior light bulb

Insert screwdriver in housing cut-out on the switch side and carefully pry out.

Take bulb out.

Install new bulb.

Insert housing in reverse order.



General services

Before working on any part in the engine compartment, turn off the engine and let it cool down sufficiently. If work has to be done with the engine running, exercise extreme caution to prevent neckties, jewelry or long hair from getting caught in the V-belt.

Incomplete or improper servicing may cause problems in the operation of the car. If in doubt about any servicing, have it done by your Authorized VW Dealer or any other properly equipped and qualified workshop.

Adjusting or replacing V-belt

Turn the engine off!

To adjust the belt, remove the rear half of the pulley on the alternator. When loosening and tightening the nut, place a screwdriver through the cut-out in the front half of pulley and support the screwdriver as shown in the picture.

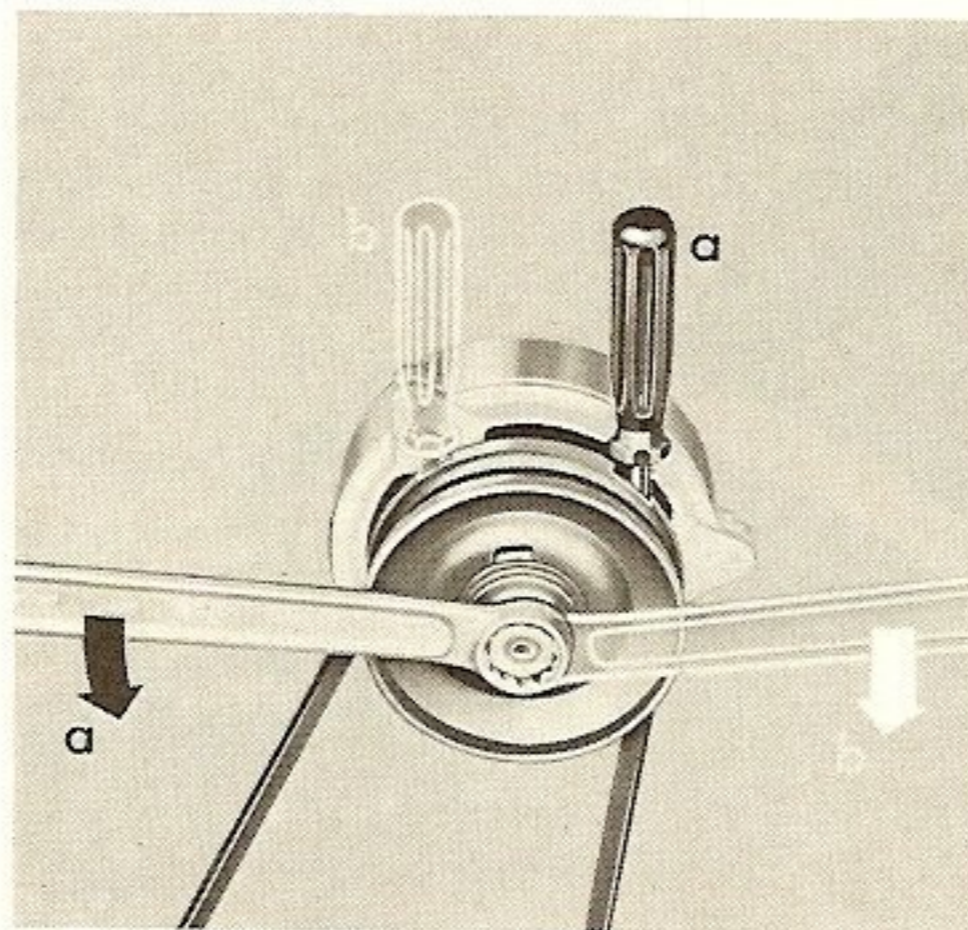
The belt tension is adjusted by varying the number of washers between the pulley halves. Taking washers out increases the tension, putting them in decreases it. Extra washers are stored on the outside of the pulley half.

The V-belt must not be too tight or too loose when you are making the following belt tension check: Depress one side of the belt at the center between the two pulleys. The tension is correct if the belt can be depressed between 0.43 ($\frac{7}{16}$) in. or 11 mm and 0.55 ($\frac{9}{16}$) in. or 14 mm at a pressure of 16.5 lbs. or 7.5 kg (a firm press with your thumb).

This is only a temporary adjustment. Have final adjustment made by your dealer.

A new belt may stretch slightly at first. To compensate for this, the belt should be

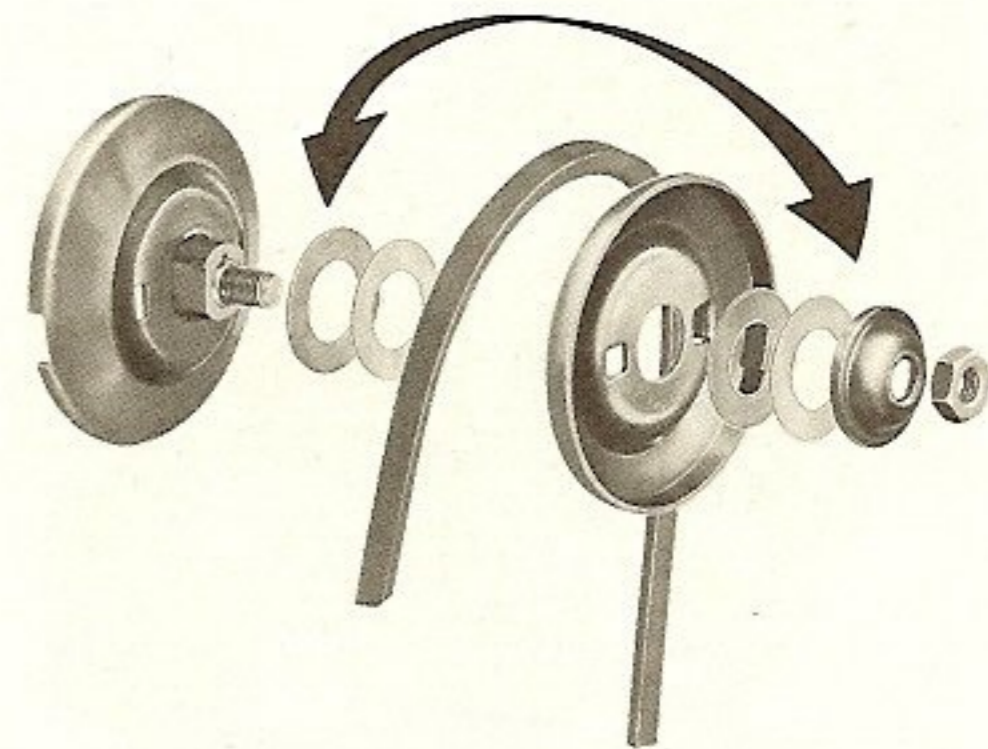
a – to loosen b – to tighten



tightened slightly more when first installed. The deflection should be between 0.35 ($\frac{11}{32}$) in. or 9 mm and 0.43 ($\frac{7}{16}$) in. or 11 mm at the same pressure. The correct belt tension will then be reached after about 30 minutes of operation.

The heavy-duty V-belt has a very low stretch factor. When properly installed, the belt tension will remain fairly constant. Volkswagen-recommended V-belts have a relatively long service life, however, it is good planning to always carry a spare belt in your car.

For the correct designation on the belt, see page 60.



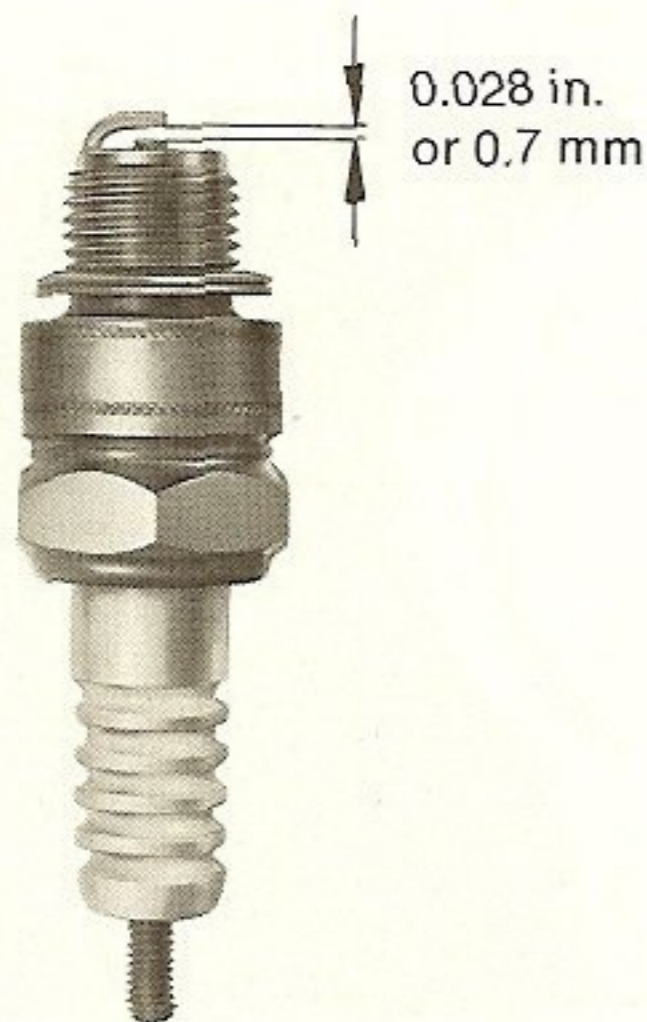
Cleaning or replacing spark plugs

The correct spark plug gap is 0.028 inch, or 0.7 mm. Since the spark plug gap tends to increase in time during normal operation, it is advisable to replace spark plugs periodically (see Maintenance Schedule).

Removing spark plugs

Turn the engine off!

Grasp the spark plug connector and pull it off. Do not pull on the ignition wires as they may separate from the connectors.



Unscrew the spark plugs with a suitable spark plug wrench.

Cleaning spark plugs

Dirty spark plugs should be cleaned with a sand blaster, but if not available, the carbon can be removed with a wooden or plastic pick. Do not use a wire brush. The plugs should also be clean and dry on the outside to avoid shorting and arcing. **The gap can be set by bending the outside electrode.**

Installing spark plugs

Insert them by hand and screw them into the cylinder head as far as they will go. Only then use the spark plug wrench to tighten them firmly. Do not overtighten.

Checking the engine oil level

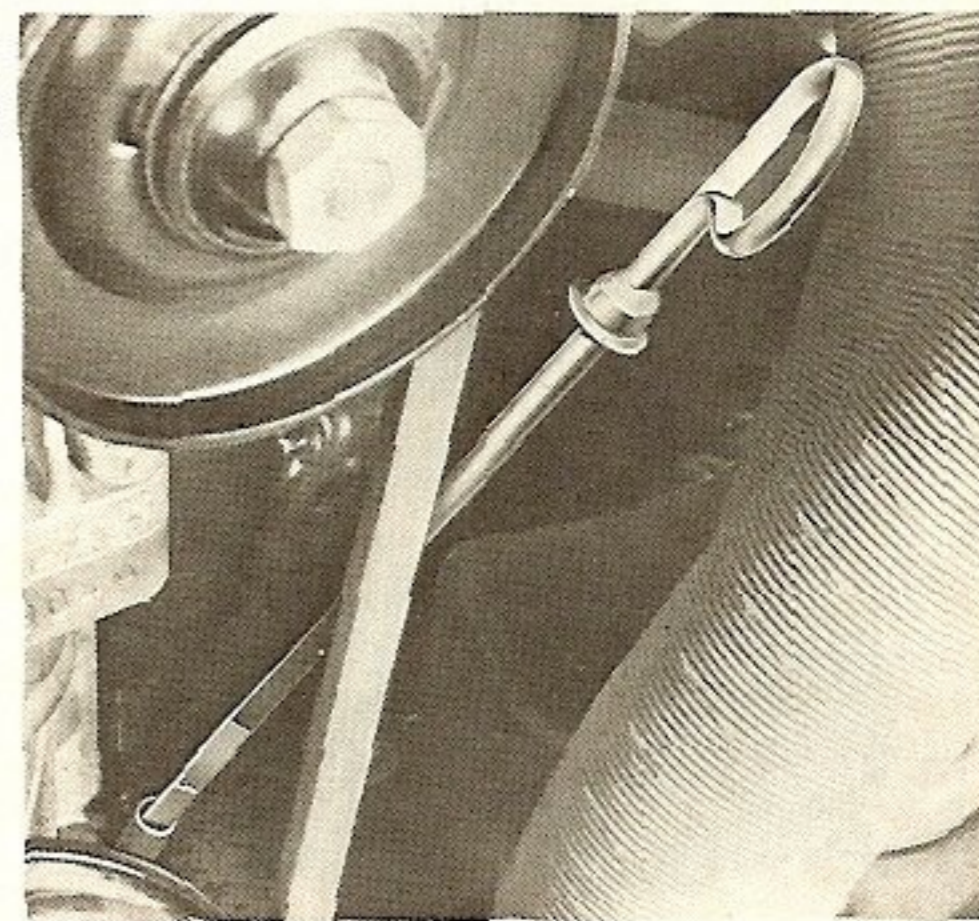
You should check the oil level from time to time. To get a true reading, be certain the car is on level ground.

Wait at least 5 minutes after the engine has been stopped; give the oil time to collect in the crankcase.

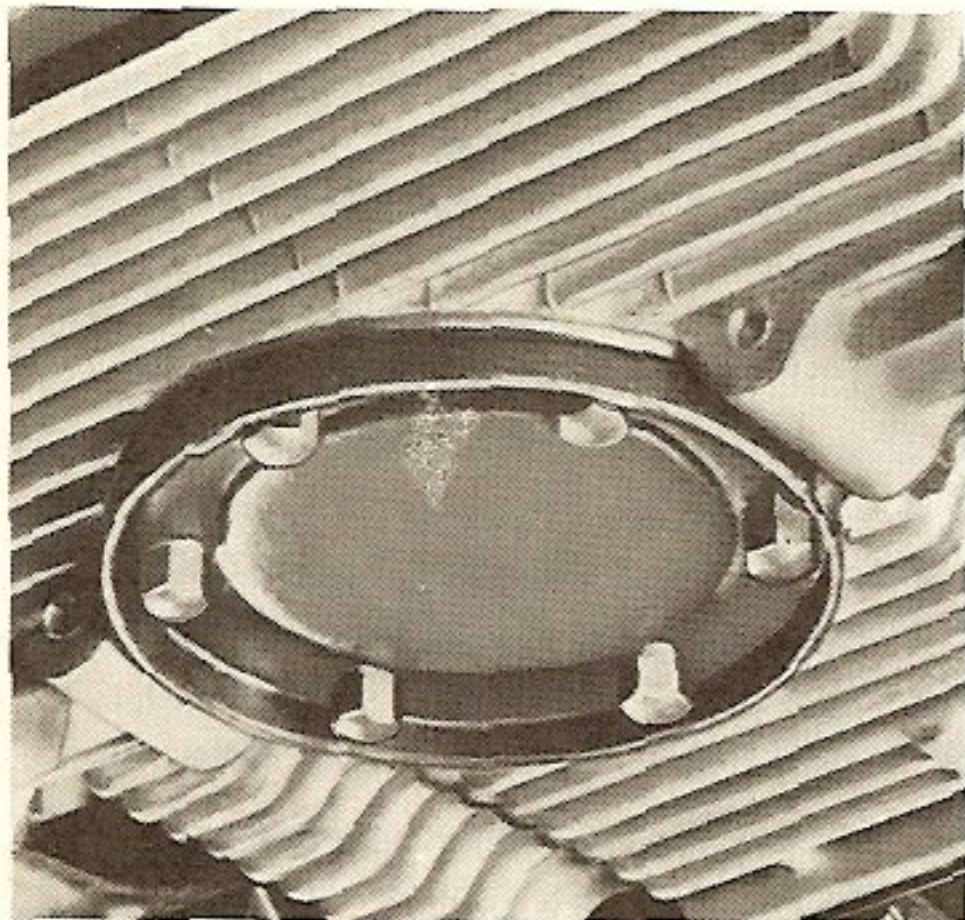
To check the oil level, take the dipstick out and wipe it clean first. Now, insert and pull it out again. You have enough oil in the engine if the oil level is between the upper and lower marks on the dipstick. The difference between the two marks is about 1.1 Imp. quarts (1.3 U.S. quarts or 1.25 liter).

Only add the amount of oil that is needed.

Always select a well-known brand and the recommended grade. Details about the correct oil viscosities are on page 52.



Changing the engine oil



Engine off!

Change the oil in your engine regularly (see Maintenance Schedule). This is very important as the lubricating properties of oil diminish gradually during normal operation of the car.

Drain the oil when the engine is still warm. Loosen all six cap nuts. Then, after removing five of the nuts, pry the oil strainer cover loose. Allow the oil to drain.

After the oil is drained, remove the oil strainer to clean it. The cleaning of the strainer should be done with every oil change. Use new gaskets and washers when re-installing the strainer to be sure no oil leak will develop later.

Tighten cap nuts in a crosswise pattern to a torque of 5 ft. lbs. (0.7 mkg).

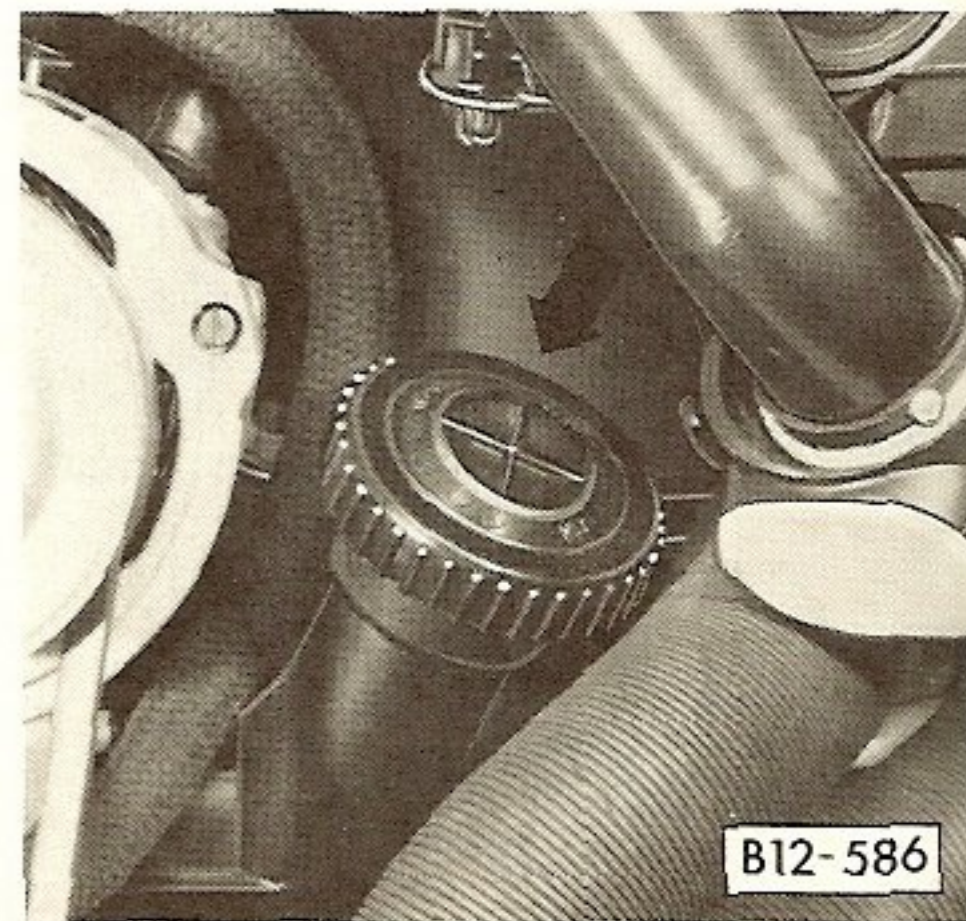
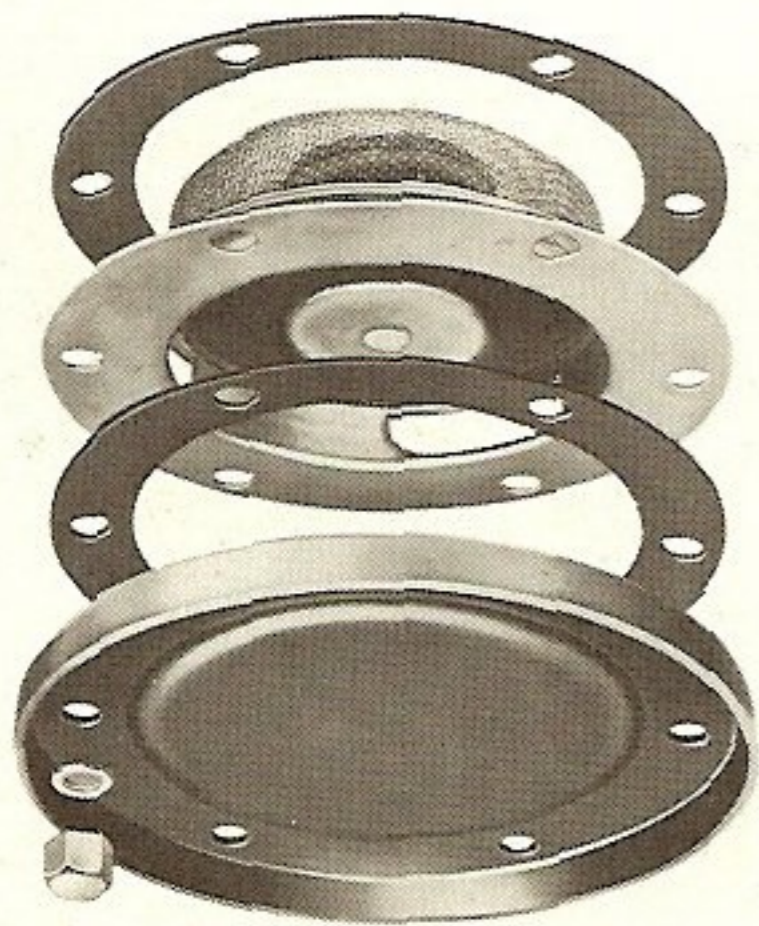
Fill the engine with 2.2 Imp quarts (2.6 U.S. quarts or 2.5 liters) of oil labeled "For Service API/SE". For the right oil viscosity, see page 52.

When putting the threaded cover (arrow) back on, turn it clockwise, but do not overtighten.

Because of detergent additives in the oil the fresh oil will look dark after the engine has been running for a short time. This is to be expected, and there is no

reason to change the oil at intervals shorter than recommended by the manufacturer.

We recommend more frequent oil changes if you drive your car only short distances during the winter months. If you drive for only a few hundred miles a month under these conditions, we advise you change the oil every 6 to 8 weeks. In areas with arctic climate where average temperatures are below -13° F, the oil should be changed every 1,000 miles.



B12-586

Manual Transmission oil

Both transmission and final drive are combined in one housing. The lubricant used is hypoid oil that is changed by your dealer only one time at 1,000 miles as part of the lubrication service. See page D 5.

Should the need arise to add oil, it should only be done with the necessary workshop equipment. Also hypoid oil is generally not marketed in small quantities.

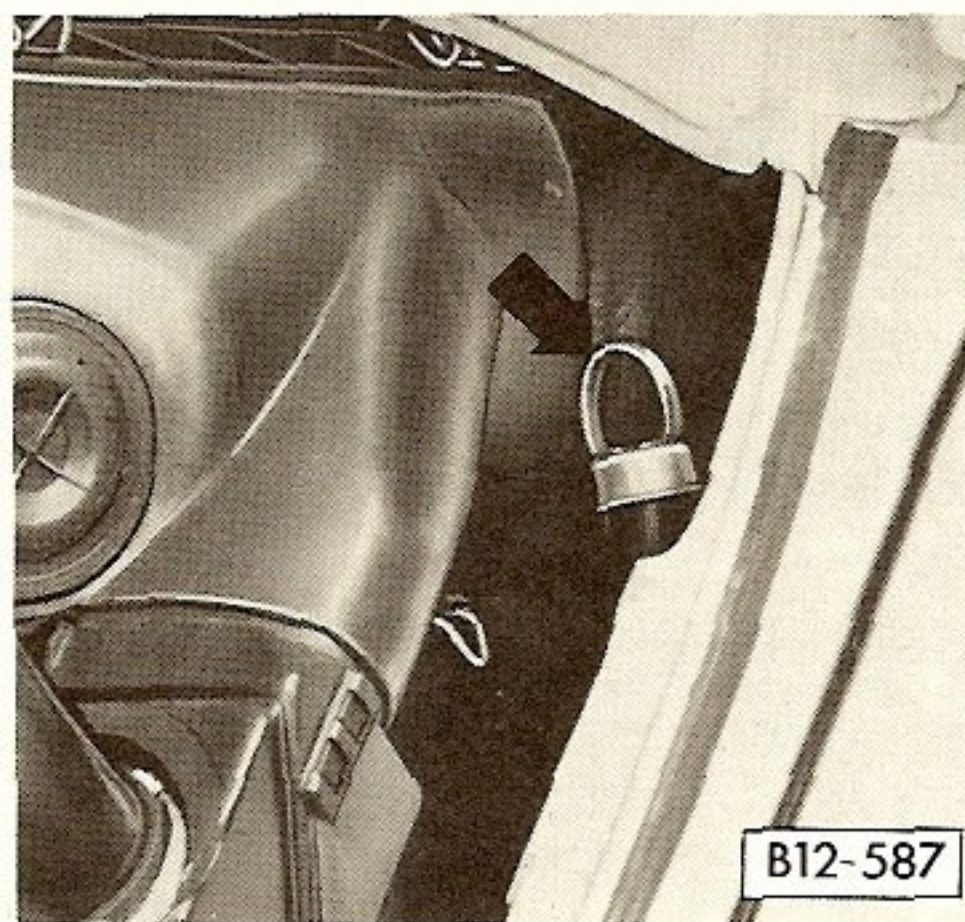
Automatic Transmission Fluid

On vehicles with Automatic Stick Shift, the ATF in the torque converter does not have to be changed, but the level should be checked at specified intervals (see Maintenance Schedule), **with the engine turned off.**

Wipe the dipstick clean first before inserting it to take a level reading. The fluid level should be between the two marks on the dipstick, and should never fall below the lower mark. Only add the required amount of ATF. Check for leaks.

For ATF specifications, see page 53.

To check the ATF level, pull the dipstick with its ring shaped handle out of the ATF tank filler, which is in the engine compartment on the right hand side.

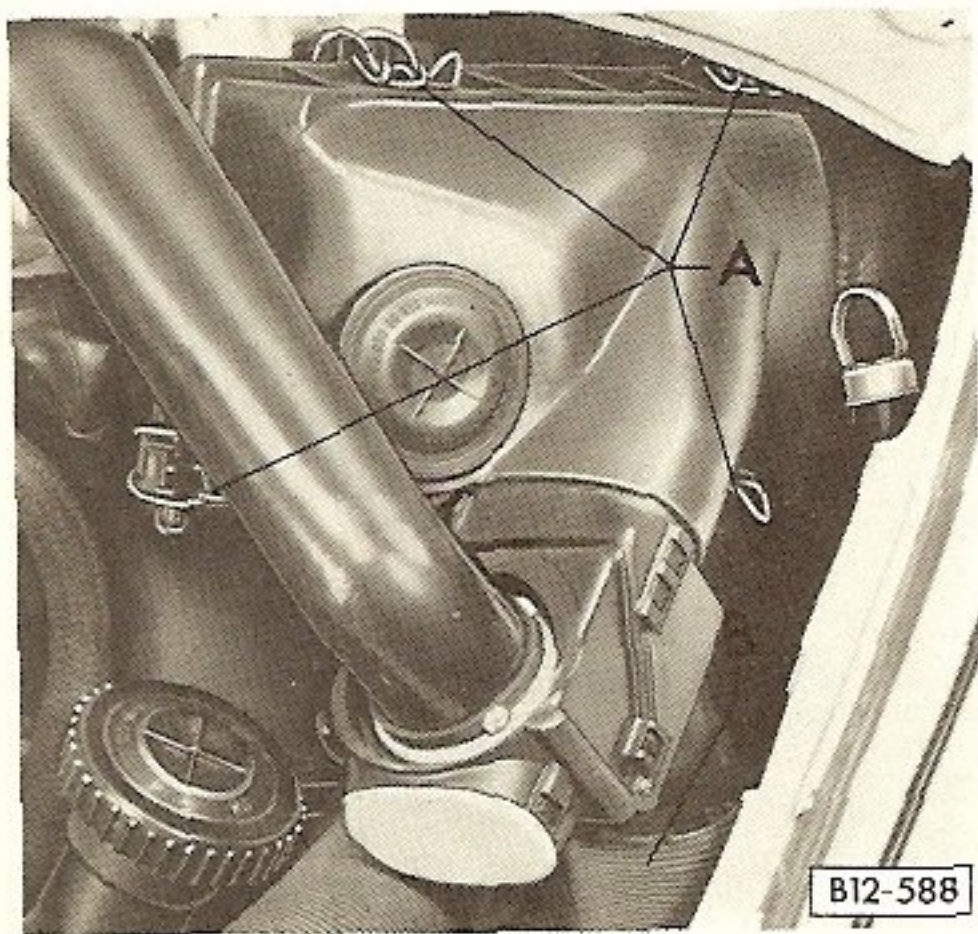


Air Cleaner

All the dust present in the air drawn in by the engine is retained by the filter element in the air cleaner.

A dirty filter element not only reduces the engine output but can also cause premature engine wear. If local conditions are such that the vehicle is often driven on very dusty roads, the cleaner must be serviced frequently, even daily if necessary.

Under normal conditions it is not necessary to service the filter element more frequently than is mentioned in the Maintenance Schedule.



To clean or to replace the filter element, do the following:

Release the four clips – A – and take top part of air cleaner off.

Pull hose – B – off.

Take the filter element out and clean or replace it. Remove the dirt by shaking the filter element out, with the dirt-trapping side down.

Note

Under no circumstances may the paper element be cleaned or soaked with gasoline, cleaning solvents or oil.

When installing the air cleaner, make sure the element is properly seated and hose – B – is properly connected.

Lubrication

Front axle

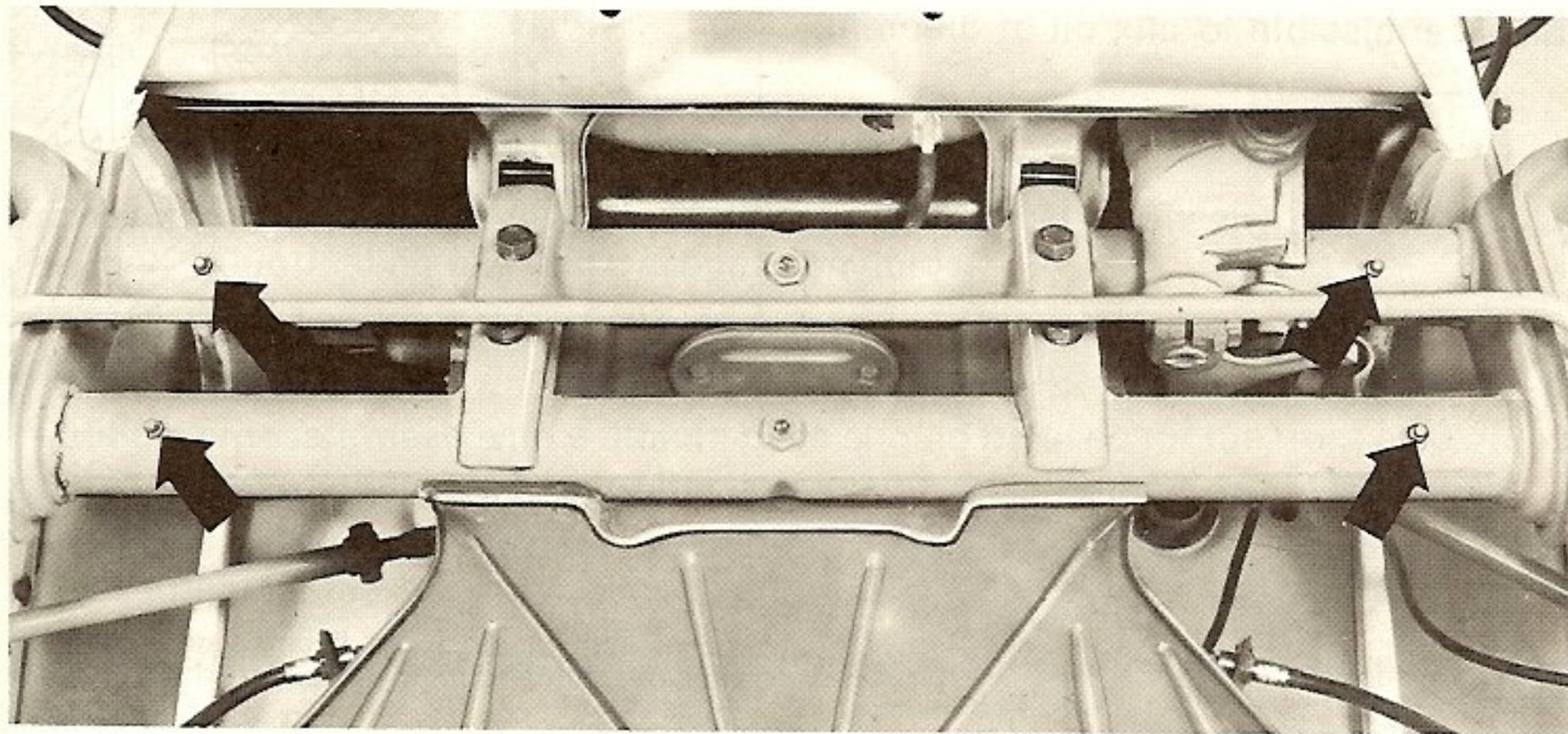
(Applies to the Volkswagen Sedan 111 only. The front axle of the Volkswagen Sedan 113 and the Convertible does not have to be lubricated.)

Lubricate the front axle once a year or at the specified mileage intervals (see Maintenance Schedule).

Lift the front end of the car to take the weight off the front wheels. This is necessary to free the bearings to accept the lubricant. There are 4 grease fittings for the front axle. For their location, see arrows in the illustration.

Before forcing grease into the fittings, be sure to wipe them clean with a piece of cloth. Force lithium-based multi-purpose grease into the fittings until fresh grease starts to emerge at the torsion arm sealing rings.

Wipe off any grease or oil that may have come in contact with tires or brake hoses because grease and oil have an adverse effect on rubber.

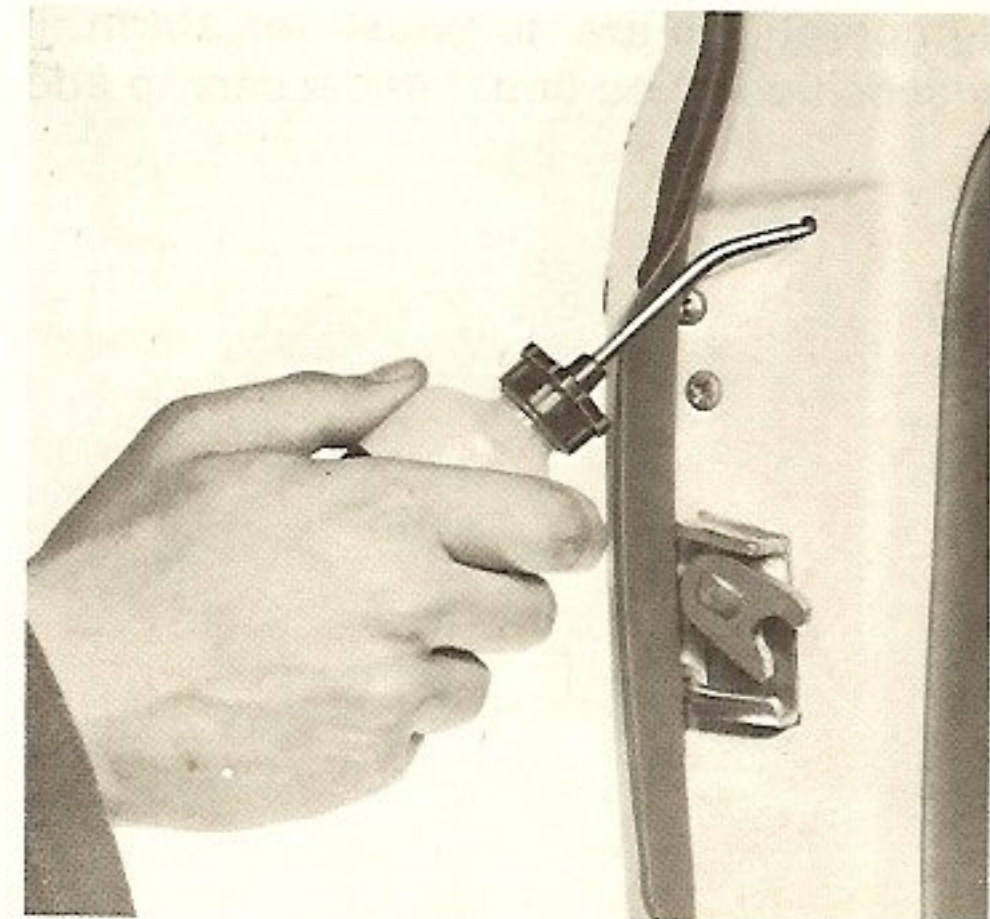


Door hinges and locks

The door hinges have to be lubricated at specified intervals (see Maintenance Schedule). Your Authorized VW Dealer uses a grease gun with a tapered nozzle.

If upon inspection the door locks are not working properly they should be lubricated with a few drops of oil after the plug has been removed from the access hole.

To lubricate the lock cylinder dip the key into graphite, insert it and turn it a few times in the lock.



Lubricants

Engine oil

The table on the right contains the grading for oils to be used in your VW engine.

Always use a name brand oil labeled "For Service API/SE" for the engine of your Volkswagen.

Engine oils are graded according to their viscosity. The proper grade to be used in your engine depends on existing climatic or seasonal conditions.

As temperature ranges of the different oil grades overlap, **brief** variations in outside temperatures are no cause for alarm. It is also permissible to mix oil of different viscosities if you find it necessary to add oil.

Climate	Outside temp.	Single grade engine oil	Multi grade engine oil
Tropical	40 100	SAE 40	SAE 20 W-40 SAE 20 W-50
	30 80		
Moderate	20 60	SAE 30	SAE 10 W-40 SAE 10 W-50
	10 40		
	0 32	SAE 20 W-20	
	-10 14	SAE 10 W*	
	-20 0	SAE 10 W*	
Arctic	30 -20	—	SAE 5 W-20

* Avoid high speed long distance driving if the outside temperature rises above the indicated limit.

Transmission oil and Automatic Transmission Fluid (ATF)

Manual Transmission and Automatic Stick Shift require lubricants of the following specifications:

	Manual Transmission Transmission with final drive	Automatic Stick Shift Torque converter
In general all year	Hypoid oil SAE 80 W or SAE 80 W/90* according to Mil-L-2105 API/GL 4 specifications**	
In areas with arctic climate and temperatures consistently below -13° F	all ATF's labeled "Dexron®" with a five-digit number preceded by the letter "B"	

* multi-grade

** additive basis: sulphur-phosphorus

Lubricant additives

If a VW engine is properly maintained, it is uneconomical to mix any type of additive with fuel, or lubricating oils and transmission fluids.

Grease

- 1 – **Multi-purpose grease with a lithium base** should be used for the front axle of the Volkswagen Sedan 111 and for the door hinges on all beetle-type VW models.
- 2 – **Dry stick lubricant** should be used for the hood locks and the sliding surfaces of the striker plates.
- 3 – **Silicone spray or petroleum jelly** should be used for the battery terminals and posts.

Troubleshooting

Your Volkswagen should repay you with trouble-free driving if it receives regular maintenance.

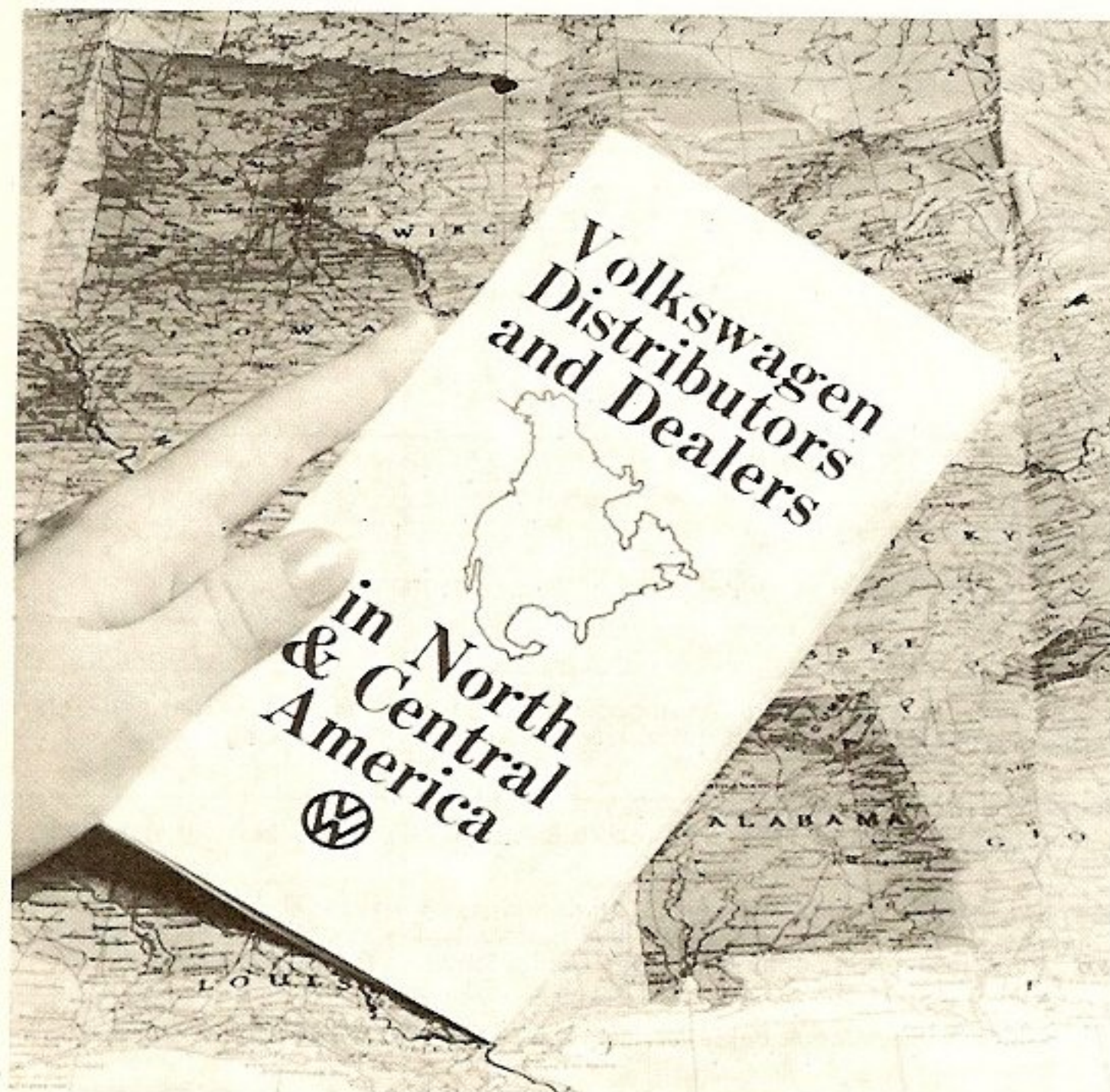
Should you ever encounter difficulty in starting your engine or have trouble on the road, there are a few repairs which you can make to get your VW going again. Locate the problem and probable cause of the trouble in the guide on the following pages and follow the directions on what to do.

Exercise extreme caution when working on any part of the car to prevent accidental injury. To prevent sparking or accidental fires, disconnect battery ground cable when working on the electrical or fuel systems. Incomplete or improper servicing may also cause problems in the operation of the car. If in doubt about any servicing, have it done by a qualified mechanic or by your Authorized VW Dealer.

Note: The adjustment of idling and ignition timing requires special equipment and training. We suggest that you consult your Authorized VW Dealer.

Problem	Probable Cause	What To Do
VW will not start: engine will not turn over or turns over too slowly	<ol style="list-style-type: none"> 1. Driver and front passenger are not wearing safety belts (on vehicles with safety belt interlock system) 2. Run down or dead battery 3. Loose connection <ol style="list-style-type: none"> A. At battery B. At starter C. At connections behind dashboard 4. Starter defective 5. On vehicles with Automatic Stick Shift: The gear shift lever is not in Neutral 	<ol style="list-style-type: none"> 1. Put on safety belts, then start the engine (see also pages 6, 10 and 20). 2. Charge or replace battery. 3. Make sure that all connections are tight. <ol style="list-style-type: none"> A. Check both cable connections on battery and grounded end of ground strap. B. Check connections at solenoid, mounted on starter, under right rear of vehicle. C. Check push-on connectors behind dashboard. 4. See your nearest Authorized VW Dealer. 5. Shift to Neutral.
VW will not start: engine turns over	<ol style="list-style-type: none"> 6. Loose connection in ignition system 7. Loose connection in primary circuit to coil 8. If spark is present at black coil cable, trouble is in ignition system 	<ol style="list-style-type: none"> 6. Check for loose connections at coil, distributor and spark plugs. 7. Check push-on connector on coil (thin black wire). Check push-on connectors behind dashboard. Should the engine not start, ask for assistance. 8. Check in this sequence: <ol style="list-style-type: none"> A. Turn ignition off. Remove distributor cap and rotor. Clean distributor contacts with stiff paper (post card). Have someone turn engine over with starter. Sparks should be visible between contacts. If no spark, check contact of cable connectors between coil and distributor cap. Check if contacts open. If there is still no spark, see your nearest Authorized VW Dealer. B. If sparks are visible between contacts disconnect high tension cable from center connection of distributor cap. With starter cranking the engine point cable to a metal object in the engine leaving a gap of approximately $\frac{1}{4}$". Strong arcing sparks should appear. If there are no sparks, contact your nearest Authorized VW Dealer.

Problem	Probable Cause	What To Do
VW will not start: engine turns over	9. If spark is fairly good at plugs, the engine may be flooded.	C. If sparks appear at high tension cable, the distributor cap should be cleaned inside and out. Reconnect high tension cable. Remove one of the spark plugs. If plug is clean and dry, reconnect ignition cable to spark plug and bring spark plug into contact with metal (ground). Hold cable with dry piece of cloth to avoid shock. Sparks should appear between spark plug electrodes when the engine is turned over. If not, clean and dry ignition cables and spark plug connectors and check that ignition cables are tight in distributor cap and plug connectors. Ask for assistance if the above steps did not ensure proper ignition. 9. If the spark plug is dirty and wet, also remove the other plugs: unburned gasoline on the plug electrodes indicates excessive fuel supply! Turn engine over for at least 10 seconds, with plugs removed, white cable disconnected and accelerator pedal fully depressed. Install cleaned and dried spark plugs or new plugs, if necessary. Reconnect the white cable to coil connector No. 1 and start engine. If engine still does not start, ask for qualified assistance.
Engine stalls shortly after starting	10. Poor fuel supply	10. See paragraphs 12 and 13.
Engine stalls while vehicle is driven	11. Defect in ignition system 12. Fuel supply is exhausted 13. Fuel filter may be clogged, gasoline may be contaminated by water or dirt.	11. See paragraph 6 through 8. 12. Check whether any gasoline is left in tank. 13. See your VW dealer for cleaning of all components of the fuel system.
Red warning light for oil pressure comes on while you are driving	14. If light goes on, the oil pressure is too low	14. Stop at once and check oil level. Add oil as necessary. If the oil level is sufficient and light goes on during driving, contact the nearest Authorized VW Dealer before driving on.
Red warning light for alternator and cooling comes on while you are driving	15. Fuse 12 in the fuse box (see page 39) may be blown 16. If light goes on, V belt may be broken or alternator does not charge	15. Replace fuse. If it blows again, do not drive on, because the turn signals will not work. Ask for assistance. 16. If belt drives alternator without slipping, switch off all unnecessary electrical equipment (radio, etc.). Drive to nearest VW dealer as otherwise the battery will soon run down. If belt is broken, replace it before driving on because engine cooling fan is no longer working.
Vehicles with Automatic Stick Shift: Lever cannot be shifted	17. Control valve fuse burned out	17. Replace fuse 11 (see page 39). Check cable connections on control valve located on the left in the engine compartment.



Owner Relations

There are more than 1500 Authorized Volkswagen dealers in North and Central America. Their addresses and telephone numbers are listed in a booklet which is available at your VW dealer.

Any one of these dealers is well equipped to help you with virtually all Volkswagen-related matters; and your dealer should be your primary source.

Should there be an occasion where you need further assistance, you may want to contact the Volkswagen regional office in your area. We have listed their addresses and telephone numbers on the next page.

Should you feel that you require assistance beyond that offered by your dealer, distributor or regional office, you may want to contact in Canada Customer Assistance at Volkswagen Canada Ltd., 1920 Eglinton Ave. East, Scarborough, Ontario M1L 2M2. In the U.S.A. contact Volkswagen of America, Inc., Englewood Cliffs, New Jersey 07632.

However, remember that ultimately your questions will be resolved in the dealership with dealer personnel and dealer equipment. We therefore suggest you contact your dealer first.

Authorized Volkswagen Zone Offices in Canada

Eastern Zone Volkswagen Canada Ltd.
Customer Assistance
3500 Trans Canada Highway
Pointe Claire, Quebec H9R 1B1
(514) 697-5930

Central Zone Volkswagen Canada Ltd.
Customer Assistance
1920 Eglinton Ave. East
Scarborough, Ontario M1L 2M2
(416) 750-4700

Western Zone Volkswagen Canada Ltd.
Customer Assistance
8081 Lougheed Highway
Burnaby, B.C. V5A 1X1
(604) 299-9321

Authorized Volkswagen Distributors and Regional Offices in the U.S.

Maine Volkswagen of America, Inc.
Massachusetts Northeastern Region
New Hampshire Customer Assistance
Rhode Island 100 Fordham Road
Vermont Wilmington, Massachusetts 01887
(617) 658-6700

Illinois Volkswagen of America, Inc.
Iowa North Central Region
Minnesota Customer Assistance
North Dakota 3737 Lake Cook Road
South Dakota Deerfield, Illinois 60015
Wisconsin (312) 272-5500

Kentucky Midvo, Incorporated
Ohio Volkswagen Customer Assistance
5000 Post Road
Dublin, Ohio 43017
(614) 889-2911

Indiana Import Motors Ltd., Inc.
Michigan Volkswagen Customer Assistance
P.O. Box 2008
2660 28th Street, S. E.
Grand Rapids, Michigan 49501
(616) 949-7788

Delaware Volkswagen Atlantic, Inc.
Pennsylvania Customer Assistance
P.O. Box 830
1001 South Trooper Road
Valley Forge, Pennsylvania 19482
(215) 666-7500

Alabama Volkswagen of America, Inc.
Louisiana Southern Region
Mississippi Customer Assistance
Tennessee (West) P.O. Box 29127 Michoud Station
4200 Michoud Boulevard
New Orleans, Louisiana 70189
(504) 254-1500

Connecticut World-Wide Volkswagen Corporation
New York Customer Assistance
New Jersey Greenbush Road
Orangeburg, New York 10962
(914) 359-5000

Florida Volkswagen of America, Inc.
Georgia Southeastern Region
Maryland Customer Assistance
North Carolina 9300 George Palmer Highway
South Carolina Lanham, Maryland 20801
Tennessee (East) (301) 459-7000
Virginia
West Virginia
Washington, D. C.

Arizona Volkswagen of America, Inc.
California Western Region
Nevada Customer Assistance
Utah 11300 Playa Street
Hawaii Culver City, California 90230
(213) 390-8011

Alaska Riviera Motors, Inc.
Idaho Volkswagen Customer Assistance
Montana P.O. Box 2963
Oregon Portland, Oregon 97208
Washington (503) 645-5511

Arkansas Volkswagen Mid.-America, Inc.
Kansas Customer Assistance
Missouri 8825 Page Boulevard
Nebraska St. Louis, Missouri 63114
(314) 429-2141

Colorado Volkswagen of America, Inc.
New Mexico South Central Region
Oklahoma Customer Assistance
Texas P.O. Box 2207
Wyoming San Antonio, Texas 78298
(512) 341-8881

Technical data

Engine

Four cylinder, four stroke, horizontally opposed, in rear.

Air cooling by fan, thermostat-controlled. Pressure oil feed with gear-type pump.

Oil cooler. Electric fuel pump.

Electronically controlled fuel injection.

Paper element air cleaner with temperature sensitive intake air pre-heating.

Exhaust emission control system. Activated charcoal filter in the fuel system.

Bore 3.36 in. (85.5 mm)

Stroke 2.72 in. (69 mm)

Displacement 96.6 cu. in. (1584 cc)

Compression ratio 7.3 : 1

Maximum output SAE net 48 hp at 4200 rpm.

Maximum torque SAE net 76.0 lb. ft. at 2800 rpm.

Valve clearance with engine cold Intake and exhaust 0.006 in. (0.15 mm)

Fuel rating* "Regular" gasoline incl. low-lead or lead-free fuels.

* The minimum fuel octane rating for your VW engine is listed on a sticker on the inside of the fuel tank flap.

Transmissions

Manual Transmission

Single plate, dry clutch.

Clutch pedal free play: $\frac{3}{8}$ - $\frac{3}{4}$ in. (10-20 mm)

Baulk synchronized four-speed transmission and bevel gear differential in one housing.

Drive shafts with two constant velocity joints per shaft.

Automatic Stick Shift

Hydrodynamic torque converter with three speed synchromesh transmission, combined with final drive in one housing.

Drive shafts with two constant velocity joints per shaft.

Chassis

Volkswagen Sedan 113 and Convertible	Volkswagen Sedan 111
Platform frame with tunnel-shaped center member, engine/transmission unit bolted to rear frame fork.	Platform frame with tunnel-shaped center member, front axle bolted to frame head, engine/transmission unit bolted to rear frame fork.
Independent wheel suspension: At front with suspension struts incorporating shock absorbers and coil springs, attached to frame head by track control arms and stabilizer. Rear wheel suspension with trailing arms and diagonal links.	Independent wheel suspension: torsion arms at front, trailing arms and diagonal links at rear.
Springing: coil springs at front, torsion bar springs at rear, telescopic shock absorbers both front and rear.	Torsion bar springing, telescopic shock absorbers, stabilizer at front.
Rack and pinion steering (energy absorbing) with maintenance-free tie-rods.	Roller steering (energy absorbing) with maintenance free tie-rods and hydraulic steering damper.
Hydraulic dual-circuit foot brakes with drums at front and rear, mechanical parking brake effective on rear wheels.	
Wheelbase* 95.3 in. (2420 mm)	94.5 in. (2400 mm)
Turning circle diameter . . . 31.5 ft. (9.6 m)	36 ft. (11 m)
Track at front 54.9 in. (1394 mm)	51.5 in. (1308 mm)
Track at rear 53.1 in. (1349 mm)	53.1 in. (1349 mm)
Wheels 4½ J x 15 safety rim wheels	
Tires, tubeless Bias Ply Tires	
Tire size and pressures . . . Tire size and VW-recommended cold tire inflation pressures are listed on a sticker on the inside of the glove compartment door.	

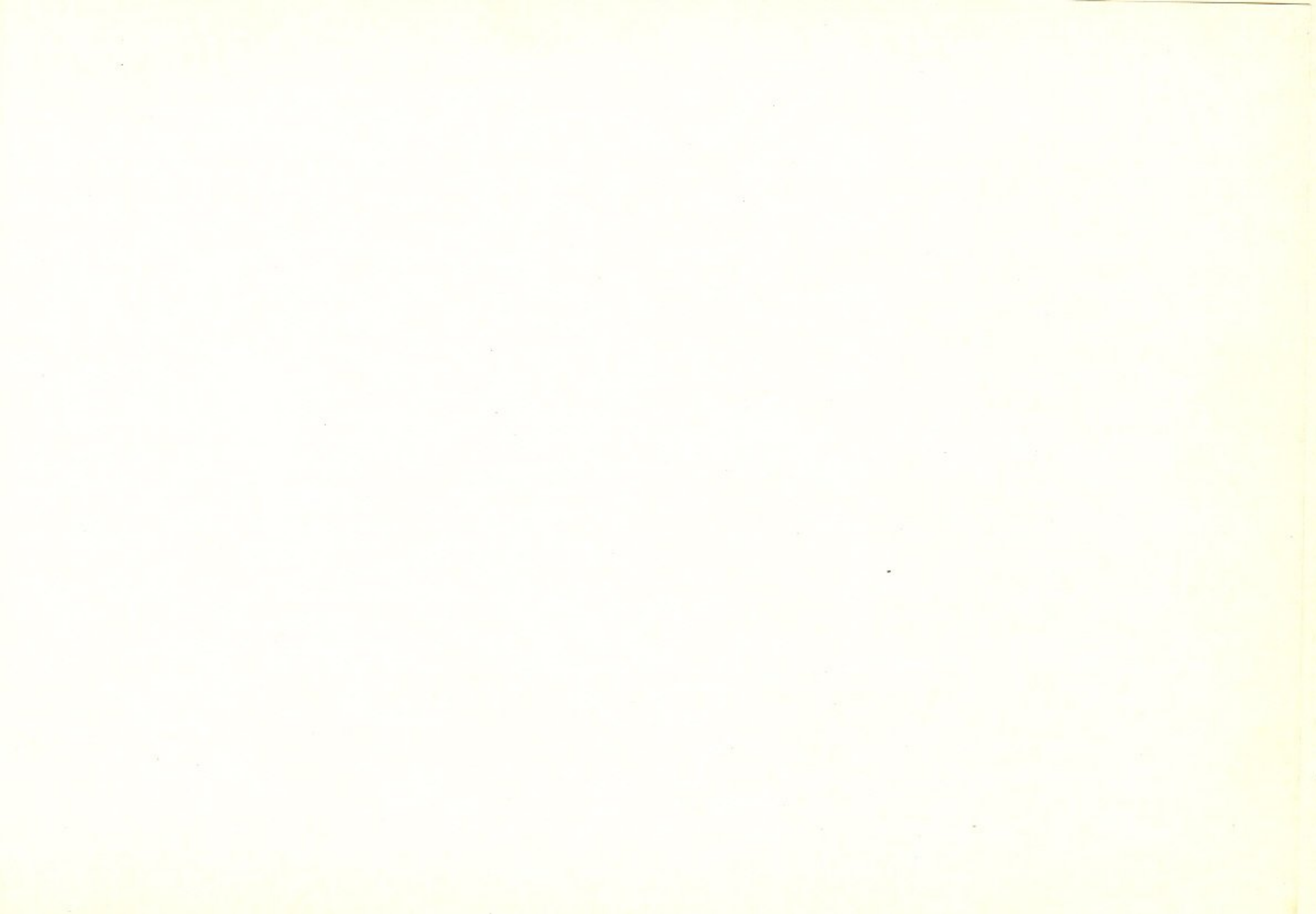
Capacities

	Imp.	U. S.	Metric	
Fuel tank:				
Sedan 113 and Convertible .	9.2 gal.	11.1 gal.	42 liters	} "Regular" gasoline (see page 38)
Sedan 111	8.8 gal.	10.6 gal.	40 liters	
Engine	2.2 qts.	2.6 qts.	2.5 liters	} Engine oil "For Service API/SE" (see page 52)
Automatic Stick Shift:				
Torque converter circuit* . .	3.2 qts.	3.8 qts.	3.6 liters	ATF (see page 53)
Transmission and final drive	2.6 qts.	3.2 qts.	3.0 liters	} Hypoid oil (see page 53)
Manual Transmission	2.2 qts.	2.6 qts.	2.5 liters	
Windshield washer container:				
Sedan 113 and Convertible .	1.8 qt.	2.1 qts.	2.0 liters	} Fluid (see page 37)
Sedan 111	1.5 qt.	1.8 qt.	1.7 liter	
Operating pressure	42 psi	42 psi	3.0 kg/cm ²	

* Does not have to be changed.

Performance

	Manual Transmission	Automatic Stick Shift
Maximum and cruising speed.	84 mph	81 mph



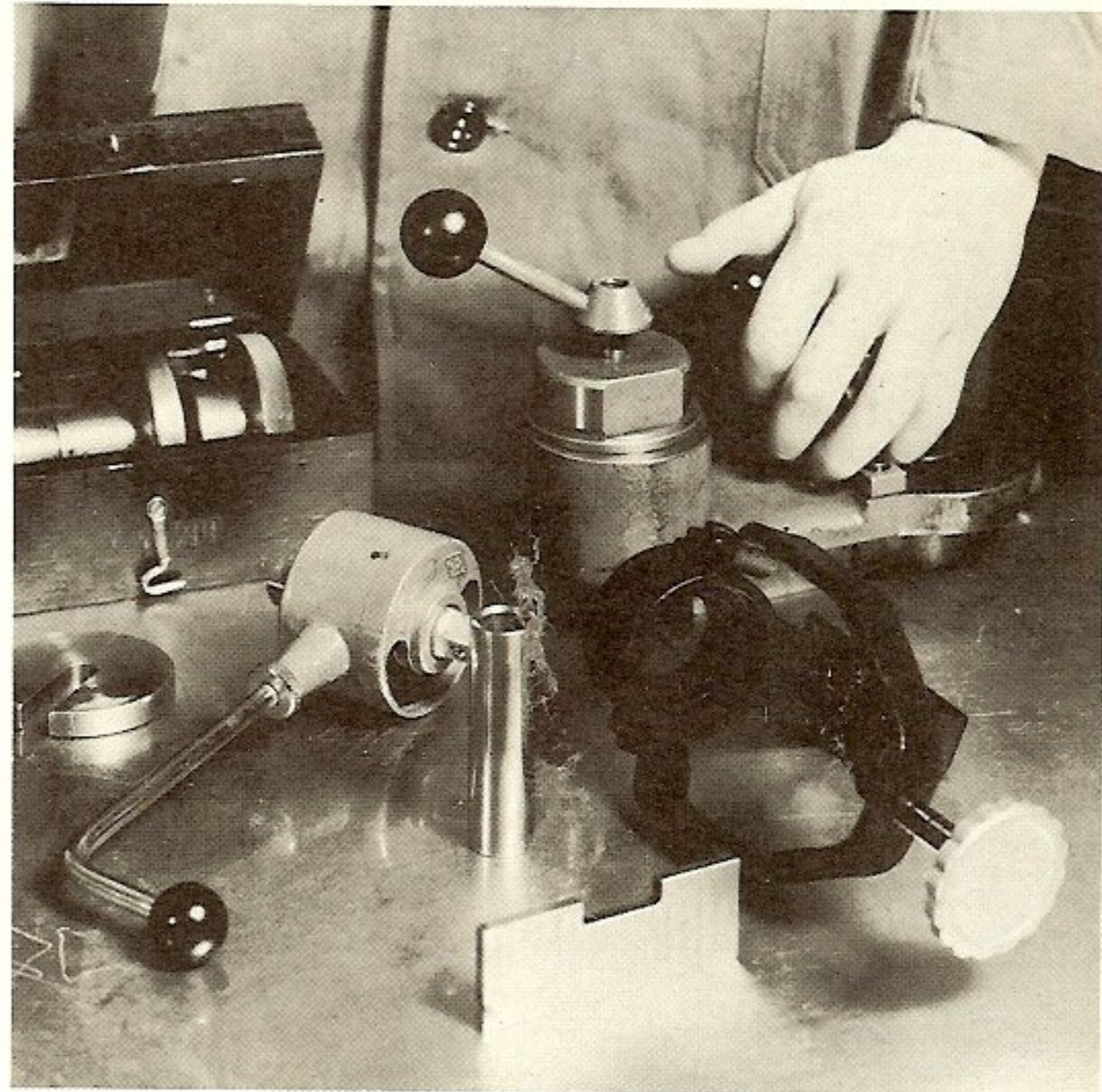
In any authorized VW dealer's service department, you get VW Specialists who know VW's intimately.

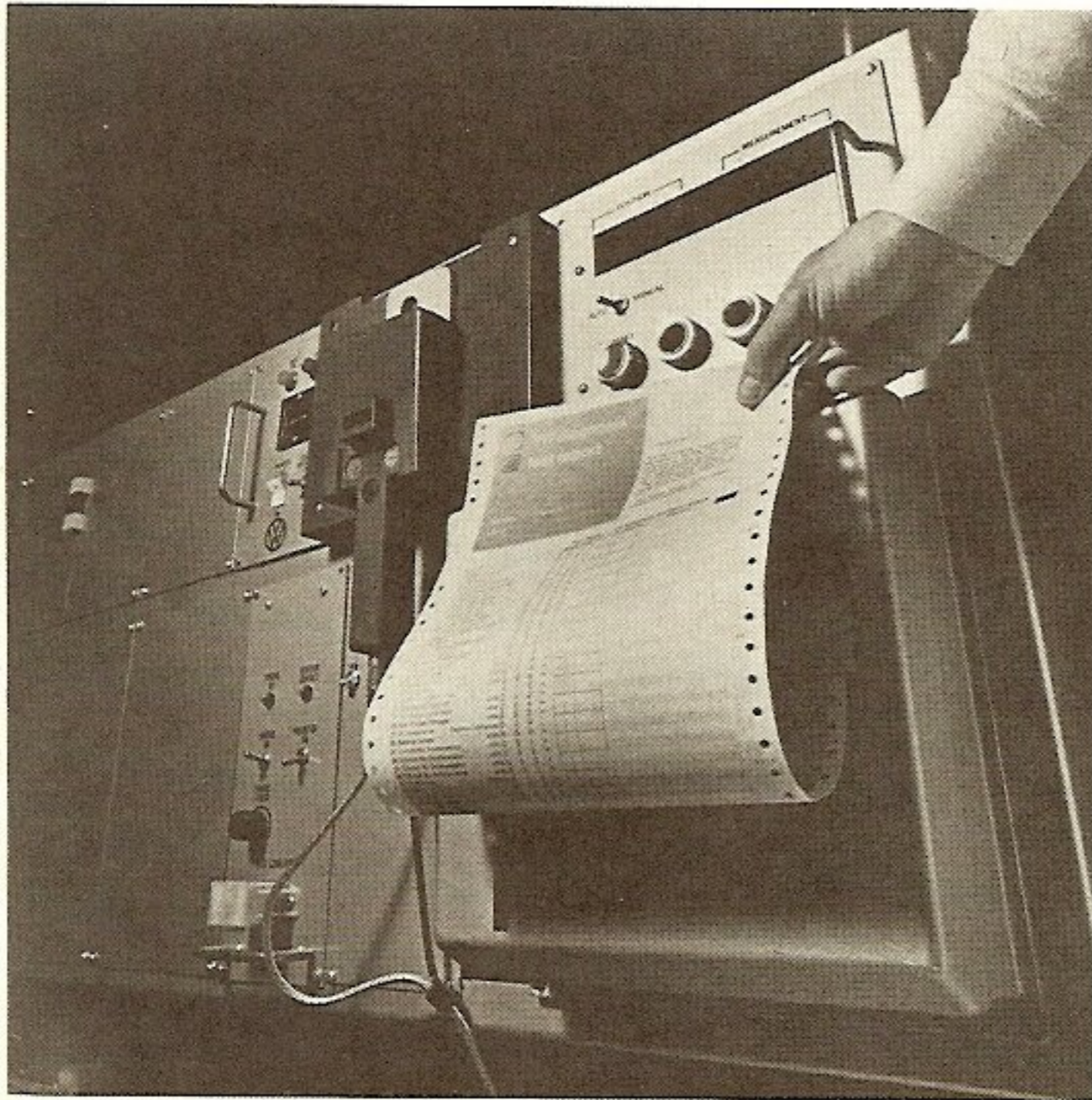
A VW Specialist works on VW's. Period.

Every so often he takes time off and gets a refresher course at one of our VW training centers.

So he learns to fix Volkswagens before he starts working on your car. Rather than while he is working on your car.

We think it is better that way.





Authorized VW Dealers use a unique service system specially developed for the VW.

Lots of service stations say they can repair Volkswagens and a lot of them really can. But they cannot offer you a VW Electronic Analysis.

Instead of giving every VW the same basic maintenance, we treat each one as an individual.

Specially trained diagnosticians will check your VW directly using special testing equipment; that means your car gets just the maintenance it needs. No more, no less.

And you get a test report so you know the exact condition of your VW.

It tells you a lot about the car you drive.

VW Electronic Analysis and Maintenance

The VW Electronic Analysis and Maintenance Record shows you the mileage intervals at which electronic analysis and maintenance services should be performed to keep your VW in top driving condition. It also tells you which services are provided **at no extra charge to you, and which are at your expense.**

VW Electronic Analysis establishes the proper amount of service that your car needs.

Of course, you can obtain a VW electronic analysis at any time – outside the regular schedule – at your authorized VW dealer. **Especially if you drive less than 15,000 miles a year, we recommend you have a VW electronic analysis performed at least once a year.**

With each analysis you receive a **test report.** It will tell you everything about your car's «health». On the basis of this test report, your service adviser will help you to decide what work should be done.

Analyse Electronique et Entretien VW

Le Répertoire d'Analyse Electronique et d'Entretien VW vous indique le millage auquel les services d'analyse électronique et d'entretien devraient être effectués pour garder votre VW au maximum de sa condition. Il vous montre également quels services sont fournis **sans supplément et quels autres sont à votre charge.**

L'Analyse Electronique VW fixe les travaux dont votre voiture a besoin.

Naturellement, vous pouvez faire faire une analyse électronique à n'importe quel moment – en dehors des périodes prescrites – chez votre concessionnaire VW. **Surtout si vous parcourez moins de 15,000 milles par an, nous vous recommandons d'effectuer une analyse électronique au moins une fois par an.**

Avec chaque analyse électronique vous recevez un **rapport de vérification.** Il vous renseigne sur tous les points ayant trait à la «santé» de votre voiture. Sur la base de ce rapport de vérification, votre conseiller après-vente vous aidera à décider des travaux qui devraient être faits.

Your VW also needs regular oil changes, brake and valve adjustments, as well as emission and vehicle maintenance, which should be performed at specified intervals.

The first oil change, and emission and vehicle maintenance will be performed at 1,000 miles. There is no extra charge for this service; you only pay for lubricants and filters.

From then on, the scheduled oil changes, brake and valve adjustments, as well as emission and vehicle maintenance services are at your expense.

Every authorized Volkswagen dealer at home and abroad will perform all necessary tests and maintenance in accordance with Volkswagen quality service standards. Your service adviser will certify on the mileage chart which services have been completed.

Regular maintenance services are necessary to keep your warranty in effect. Should you have occasion to make use of your Volkswagen warranty, it is always helpful to have the related service receipts handy.

Votre VW a aussi besoin de vidanges d'huile, de réglages des freins et des soupapes, ainsi que d'un entretien de l'épuration des gaz et d'un entretien du véhicule qui doivent être effectués avec la périodicité prescrite.

La vidange d'huile, l'entretien de l'épuration des gaz et l'entretien du véhicule seront effectués pour la première fois aux 1,000 milles. Il n'y a pas de supplément pour ce service; vous ne payez que pour les lubrifiants et les filtres.

Au-delà de ce millage, la vidange d'huile obligatoire, le réglage des freins et des soupapes, ainsi que l'entretien de l'épuration des gaz et l'entretien du véhicule seront à vos frais.

Tout concessionnaire Volkswagen sur le territoire national et à l'étranger effectuera les vérifications nécessaires et l'entretien, conformément aux normes de qualité Volkswagen. Votre conseiller après-vente certifiera l'exécution des services sur le tableau des millages.

Des services d'entretien réguliers sont nécessaires pour maintenir la validité de votre garantie. S'il vous arrivait de faire appel à la garantie de votre Volkswagen, il serait utile d'avoir sous la main les factures relatives à l'entretien effectué.

Maintenance Schedule

To assure reliable car performance, VW recommends the following maintenance schedule:

First Scheduled Maintenance at 1,000 Miles Includes:

- Oil Change
- Emission Maintenance
- Vehicle Maintenance

This service is performed at no extra charge to you; you only pay for lubricants and filters.

Service operations are listed on the next page.

Repertoire d'entretien

Pour garantir la fiabilité et les performances du véhicule, VW recommande le schéma d'entretien ci-après:

Le premier entretien obligatoire aux 1,000 milles comprend:

- Vidange d'huile
- Entretien de l'épuration des gaz
- Entretien du véhicule

Ce service est effectué sans supplément, vous ne payez que les lubrifiants et les filtres.

Les opérations effectuées sont indiquées la page suivante.

	5	10	15	20	25	30	35	40	45	50	55	60	65	70
Oil Change / Vidange d'huile	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Brake & Valve Adjustment* / Réglage des freins et des soupapes**		●			●			●			●			●
Emission & Vehicle Maintenance Electronic Analysis / Entretien de l'épuration des gaz et du véhicule Analyse électronique			●			●			●			●		

etc. (miles
in thousands)
etc. (milliers
de milles)

* Valve adjustment at these intervals is recommended for maximum engine life.

For maximum engine life, it is important that the oil be changed every 5,000 miles. **Have the engine oil changed after 6 months if you drive less than 5,000 miles during this period.**

If you use your car under severe driving conditions, it may be necessary to change the engine oil more frequently.

A complete lubrication and maintenance service should be carried out at least once a year, preferably before the winter.

** Le réglage des soupapes est recommandé avec cette périodicité en vue d'une longévité maxima du moteur.

Pour obtenir une longévité maxima du moteur, il est important de vidanger l'huile tous les 5,000 milles. **Faites vidanger l'huile-moteur après 6 mois si vous parcourez moins de 5,000 milles pendant cette période.**

Si vous utilisez votre voiture dans des conditions de conduite très sévères, il peut être nécessaire de vidanger l'huile-moteur plus fréquemment.

Un service complet de graissage et d'entretien devrait être effectué au moins une fois par an, de préférence avant l'hiver.

Scheduled Maintenance at 1,000 Miles

The first maintenance service will be performed at 1,000 miles. It includes engine oil change, and emission and vehicle maintenance.

There is no extra charge for this service; you only pay for lubricants and filters.

- 1 – Engine: Change oil, clean oil strainer.
- 2 – Manual transmission: Change oil, clean magnetic drain plug.
- 3 – V-belt: Check, adjust if necessary.
- 4 – Valves: Adjust clearance.
- 5 – Clutch pedal free play: Check, adjust if necessary.
- 6 – Rear axle: Check torque of bolts on constant velocity joints.
- 7 – Tires and wheels: Check tire pressure, including spare wheel.
- 8 – Brake system: Check for damage and leaks. Check brake fluid level, add if necessary. Check brakes and parking brake, adjust if necessary.
- 9 – Electrical system: Check operation of lights, horn and wipers. Adjust headlights if necessary.
- 10 – Fuel cap, tank and connections: Check visually.

Entretien obligatoire aux 1,000 milles

Le premier service d'entretien sera effectué aux 1,000 milles. Il comprend la vidange d'huile-moteur, l'entretien de l'épuration des gaz et l'entretien du véhicule.

Il n'y a pas de frais supplémentaires pour ce service; vous ne payez que les lubrifiants et les filtres.

- 1 – Moteur: vidanger l'huile, nettoyer le tamis d'huile.
- 2 – Boîte Manuelle: vidanger l'huile, nettoyer la vis-bouchon magnétique.
- 3 – Courroie: vérifier, régler si nécessaire.
- 4 – Soupapes: régler le jeu.
- 5 – Garde de la pédale d'embrayage: vérifier, régler si nécessaire.
- 6 – Train AR: vérifier le couple de serrage des boulons des joints homocinétiques.
- 7 – Pneus et roues: vérifier la pression des pneus, y compris celle de la roue de secours.
- 8 – Freinage: vérifier l'état et l'étanchéité. Vérifier le niveau du liquide de frein, faire l'appoint si nécessaire. Vérifier les freins au pied et de parcage, régler si nécessaire.
- 9 – Equipement électrique: vérifier le fonctionnement des feux, de l'avertisseur sonore et des essuie-glace. Régler les phares si nécessaire.
- 10 – Bouchon, réservoir et connexions d'essence: vérifier visuellement.

Scheduled Maintenance at 1,000 miles (cont'd)

11 – Automatic Stick Shift: Check torque of sump bolts.

12 – Boots on steering system and drive shafts:
Check for damage.

During road test

Check efficiency of braking, steering, heating and ventilation systems.

After road test

1 – Engine idle and idle CO: Check and adjust.

2 – Exhaust system: Check for damage.

3 – Cylinder head covers: Check for leaks.

Entretien obligatoire aux 1,000 milles (suite)

11 – Automatic Stick Shift: vérifier le couple de serrage des boulons de carter.

12 – Soufflets de la direction et des arbres de pont: vérifier l'état.

Pendant le parcours d'essai:

Vérifier l'efficacité du freinage, de la direction, du chauffage et de la ventilation.

Après le parcours d'essai

1 – Ralenti du moteur et ralenti CO: vérifier et régler.

2 – Système d'échappement: vérifier l'état.

3 – Couvercles de culasse: vérifier l'étanchéité.

Oil Change Service – at your expense

An engine oil change should be performed every 5,000 miles.

Have the engine oil changed after 6 months if you drive less than 5,000 miles during this period.

If you use your car under severe driving conditions, it may be necessary to change the engine oil more frequently.

1 – Engine: Change oil, clean oil strainer.

Service de vidange d'huile – à vos frais

Une vidange d'huile-moteur devrait être effectuée tous les 5,000 milles.

Faites vidanger l'huile-moteur après 6 mois si vous parcourez moins de 5,000 milles pendant cette période.

Si vous utilisez votre voiture, dans ces conditions de conduite très sévères, il peut être nécessaire de vidanger l'huile-moteur plus fréquemment.

1 – Moteur: vidanger l'huile, nettoyer le tamis d'huile.

Brake and Valve Adjustment – at your expense

Réglage des freins et des soupapes – à vos frais

In addition to the engine oil change, brakes and valves should be checked for proper adjustment or clearance to assure safe and dependable operation of your VW.

En plus de la vidange d'huile-moteur, le réglage des freins et le jeu des soupapes devraient être vérifiés de manière à garantir un fonctionnement sûr et fiable de votre VW.

This service should be performed at the following mileage intervals:

Ce service devrait être effectué avec la périodicité suivante (en milles):

10,000 miles	55,000 miles
25,000 miles	70,000 miles
40,000 miles	85,000 miles etc.

10,000 milles	55,000 milles
25,000 milles	70,000 milles
40,000 milles	85,000 milles, etc.

- 1 – Engine: Change oil, clean oil strainer.
- 2 – Brake system: Check for damage and leaks. Check brake fluid level, add if necessary. Adjust brakes and parking brake if necessary.
- 3 – Valves: Adjust clearance (recommended for maximum engine life).

- 1 – Moteur: vidanger l'huile, nettoyer le tamis d'huile.
- 2 – Freinage: vérifier l'état et l'étanchéité. Vérifier le niveau du liquide de frein, faire l'appoint si nécessaire. Régler les freins au pied et de parcage si nécessaire.
- 3 – Soupapes: régler le jeu (recommandé pour une longévité maximum du moteur).

**Emission and Vehicle Maintenance –
at your expense (includes engine oil change)**

**Entretien de l'épuration des gaz et du véhicule –
à vos frais (y compris vidange d'huile-moteur)**

The emission and vehicle maintenance should be performed at the following intervals:

15,000 miles	60,000 miles
30,000 miles	75,000 miles
45,000 miles	90,000 miles etc.

**If you drive less than 15,000 miles within 12 months,
have this service performed once a year.**

- 1 – Engine: Change oil, clean oil strainer.
- 2 – Valves: Adjust clearance.
- 3 – Spark plugs: Replace.

L'entretien de l'épuration des gaz et du véhicule devraient être effectués avec la périodicité suivante:

15,000 milles	60,000 milles
30,000 milles	75,000 milles
45,000 milles	90,000 milles, etc.

**Si vous parcourez moins de 15,000 milles en 12 mois,
faites faire l'entretien une fois par an.**

- 1 – Moteur: vidanger l'huile, nettoyer le tamis d'huile.
- 2 – Soupapes: vérifier le jeu.
- 3 – Bougies: remplacer.

**Emission and Vehicle Maintenance –
(cont'd)**

- 4 – Ignition distributor: Replace ignition points. Adjust dwell angle and timing. Visually check ignition wires, distributor cap and rotor, replace if necessary.
- 5 – Compression: Check.
- 6 – V-belt: Check tension and condition.
- 7 – Fuel filter: Replace.
- 8 – EGR system: Check visually.
- 9 – Crankcase ventilation hoses: Check visually.
- 10 – Exhaust system: Check for damage.
- 11 – Fuel tank and evaporative control system: Visually check fuel cap, charcoal filter and hose connections.
- 12 – Clutch: Check, adjust if necessary.
- 13 – Transmission: Check oil level, add if necessary.
- 14 – Automatic Stick Shift: Check ATF level.
- 15 – Brakes: Check, adjust if necessary.
- 16 – Door hinges: Lubricate.
- 17 – Front axle: Lubricate (VW 111 only)

**Entretien de l'épuration des gaz et du véhicule –
(suite)**

- 4 – Allumeur: remplacer les contacts de rupteur. Régler l'angle de fermeture et le point d'allumage. Vérifier visuellement les câbles d'allumage, la tête et le rotor d'allumeur, remplacer si nécessaire.
- 5 – Compression: vérifier.
- 6 – Courroie: vérifier la tension et l'état.
- 7 – Filtre à essence: remplacer.
- 8 – Système EGR (recyclage des gaz d'échappement): vérifier visuellement.
- 9 – Flexibles de ventilation du carter: vérifier visuellement.
- 10 – Echappement: vérifier l'état.
- 11 – Réservoir à essence et système de contrôle de l'évaporation: vérifier visuellement le bouchon d'essence, le filtre à charbon actif et les raccords des flexibles.
- 12 – Embrayage: vérifier, régler si nécessaire.
- 13 – Boîte de vitesses: vérifier le niveau d'huile, faire l'appoint si nécessaire.
- 14 – Automatic Stick Shift: vérifier le niveau du liquide ATF.
- 15 – Freins: vérifier, régler si nécessaire.
- 16 – Charnières de porte: graisser.
- 17 – Train avant: graisser (seulement VW 111).

Emission and Vehicle Maintenance (cont'd)

During Road Test

Check efficiency of braking, steering, heating and ventilation systems.

After Road Test

- 1 – Engine idle and idle CO: Check and adjust.
- 2 – Cylinder head covers: Check for leaks.

At 15,000 miles

One set of spark plugs and ignition points will be provided free of charge in connection with the 15,000-mile service. You only pay for installation and adjustments.

From then on the necessary replacement of maintenance items is at your expense.

Additional Service

Every 30,000 miles – at your expense

- 1 – Air cleaner: Replace filter element.
- 2 – Vacuum passages in throttle valve housing: Clean (where applicable).

Every 2 years – at your expense

- 1 – Brakes: Replace brake fluid.
- 2 – Brake warning light switch: Check functioning.

Entretien de l'épuration des gaz et du véhicule (suite)

Pendant le parcours d'essai

Vérifier l'efficacité du freinage, de la direction, du chauffage et de la ventilation.

Après le parcours d'essai

- 1 – Ralenti du moteur et ralenti CO: vérifier et régler.
- 2 – Couvercles de culasse: vérifier l'étanchéité.

Aux 15,000 milles

Un jeu de bougies et de contacts de rupteur sera fourni gratuitement en corrélation avec le service des 15,000 milles. Vous ne payez que la pose et les réglages.

Les remplacements de pièces d'entretien ultérieurement nécessaires seront à vos frais.

Service supplémentaire

Tous les 30,000 milles – à vos frais

- 1 – Filtre à air: remplacer l'élément filtrant.
- 2 – Conduits de dépression de l'ajutage de papillon: nettoyer (le cas échéant).

Tous les 2 ans – à vos frais

- 1 – Freins: remplacer le liquide de frein.
- 2 – Contacteur de témoin des freins: vérifier le fonctionnement.

Volkswagen Electronic Analysis every 15,000 miles

**Analyse électronique Volkswagen
tous les 15,000 milles**

A physical checkup of your VW is extremely important for determining the amount of additional maintenance your vehicle may need for continuing peak performance.

Un contrôle effectif de votre VW est extrêmement important pour déterminer l'entretien supplémentaire dont votre véhicule a besoin pour continuer à fournir des performances maxima.

Chances are, if you have regularly maintained your vehicle, it is in good running condition.

Si votre véhicule a été régulièrement entretenu, il y a de fortes chances pour qu'il soit en bon état de fonctionnement.

The VW Electronic Analysis Test Report will be given to you so you will know the exact condition of your VW. On the basis of this test report, your service adviser will help you decide what work should be done. All necessary service is **at your expense.**

Le Rapport de Vérification de l'Analyse Electronique VW vous sera donné de manière à ce que vous connaissiez l'état exact de votre VW. Sur la base de ce rapport de vérification, votre conseiller après-vente vous aidera à décider du travail qui devrait être fait. Tous les travaux nécessaires seront à **vos frais.**

If you drive less than 15,000 miles within 12 months, have an electronic analysis performed once a year.

Si vous parcourez moins de 15,000 milles en 12 mois, faites faire une analyse électronique une fois par an.

VW Electronic Analysis (cont'd)

Engine:

- 1 – Compression: Check.
- 2 – Ignition system and timing: Check.
- 3 – Exhaust system: Check for damage.

Rear axle and transmission:

- 4 – Drive shafts: Check boots for leaks.

Front axle and steering:

- 5 – Front axle: Check dust seals on ball joints and dust seals on tie rod ends, check tie rods.
- 6 – Ball joints: Check play (VW 111 only).
- 7 – Steering: Check play.
- 8 – Steering gear: Check boots for leaks.
- 9 – Front wheels: Check camber and toe.

Brakes, Wheels and Tires:

- 10 – Brake system: Check for damage and leaks.
- 11 – Brake linings: Check thickness.
- 12 – Brake fluid: Check level, add if necessary.
- 13 – Tires, incl. spare wheel: Check for wear and damage, check and correct pressure.

Analyse électronique VW (suite)

Moteur:

- 1 – Compression: vérifier.
- 2 – Système et point d'allumage: vérifier.
- 3 – Echappement: vérifier l'état.

Train arrière et boîte-pont:

- 4 – Arbres de pont: vérifier l'étanchéité des manchettes.

Train avant et direction:

- 5 – Train AV: vérifier les capuchons antipoussières sur les rotules et les capuchons antipoussières aux extrémités des barres de direction, vérifier les barres de direction.
- 6 – Rotules: vérifier le jeu (seulement VW 111).
- 7 – Direction: vérifier le jeu.
- 8 – Mécanisme de direction: vérifier l'étanchéité des manchettes.
- 9 – Roues avant: vérifier le carrossage et le pincement.

Freins, roues et pneus:

- 10 – Freinage: vérifier l'état et l'étanchéité.
- 11 – Garnitures de frein: vérifier l'épaisseur.
- 12 – Liquide de frein: vérifier le niveau, faire l'appoint si nécessaire.
- 13 – Pneus, y compris roue de secours: vérifier l'usure et l'état, vérifier et rectifier la pression.

VW Electronic Analysis (cont'd)

Electrical system:

- 14 – Starting current: Check with electronic equipment.
- 15 – Charging system: Check with electronic equipment.
- 16 – Check operation of headlights, high beam indicator light, parking lights, side marker lights, license plate light, emergency flasher, stop lights, tail lights, back-up lights, turn signals, horn, rear window defogger and brake warning light.
- 17 – Headlights: Check adjustment.
- 18 – Windshield wipers: Check operation.
- 19 – Windshield washer: Check operation and fluid level.
- 20 – Battery: Check electrolyte level, check voltage under load.
- 21 – Safety belt warning light, buzzer and ignition/steering lock: Check.
- 22 – Heater lever spot light: Check.
- 23 – Interior lights and instrument lights: Check.
- 24 – Warning lights for alternator and oil pressure: Check.

Analyse électronique VW (suite)

Équipement électrique:

- 14 – Courant de lancement: vérifier avec l'équipement électronique.
- 15 – Courant de charge: vérifier avec l'équipement électronique.
- 16 – Vérifier le fonctionnement des phares, du témoin de faisceau-route, des feux de stationnement, des feux de balisage latéral, du feu de plaque, des feux de détresse, des feux stop, des feux arrière, des feux de recul, des clignotants, de l'avertisseur sonore, du dégivrage de lunette arrière et du témoin des freins.
- 17 – Phares: vérifier le réglage.
- 18 – Essuie-glace: vérifier le fonctionnement.
- 19 – Lave-glace: vérifier le fonctionnement et le niveau du liquide.
- 20 – Batterie: vérifier le niveau de l'électrolyte, vérifier la tension lorsque la batterie débite.
- 21 – Témoin des ceintures de sécurité, vibreur et contact-démarrreur avec antivol de direction: vérifier.
- 22 – Spot d'éclairage des leviers de chauffage: vérifier.
- 23 – Plafonniers et éclairage du tableau de bord: vérifier.
- 24 – Témoins d'alternateur et de pression d'huile: vérifier.

Delivery Inspection
Inspection à la livraison

(Dealer Stamp)
(Cachet de l'Agent)

Date _____

Miles / Milles _____

1,000 miles/milles

Engine and Transmission
Oil Change

Vidange d'huile moteur
et d'huile de boîte

(Dealer Stamp)
(Cachet de l'Agent)

Date _____

Miles / Milles _____

Maintenance Service (No charge *)

Valid only between
800 and 1,500 miles

Service d'Entretien (sans frais **)

Valable uniquement entre
800 et 1,500 milles

(Dealer Stamp)
(Cachet de l'Agent)

Date _____

Miles / Milles _____

* Lubricants and filters are
paid for by the customer.
** Les lubrifiants et les filtres
sont payés par le client.

5,000 miles/milles

or 6 months after last service

Oil Change

ou 6 mois après le dernier service

Vidange d'huile

(Dealer Stamp)
(Cachet de l'Agent)

Date _____

Miles / Milles _____

10,000 miles/milles

or 6 months after last service

Oil Change

Brake & Valve Adjustment

ou 6 mois après le dernier service

Vidange d'huile

Réglage des freins et
des soupapes

(Dealer Stamp)
(Cachet de l'Agent)

Date _____

Miles / Milles _____

15,000 miles/milles

or once a year

Oil Change

Maintenance

ou une fois par an

Vidange d'huile

Entretien

(Dealer Stamp)
(Cachet de l'Agent)

Date _____

Miles / Milles _____

15,000 miles/milles

or once a year

Electronic Analysis

ou une fois par an

Analyse Electronique

(Dealer Stamp)
(Cachet de l'Agent)

Date _____

Miles / Milles _____

20,000 miles/milles

or 6 months after last service

Oil Change

ou 6 mois après le dernier service

Vidange d'huile

(Dealer Stamp)
(Cachet de l'Agent)

Date _____

Miles / Milles _____

25,000 miles/milles

or 6 months after last service

Oil Change

Brake & Valve Adjustment

ou 6 mois après le dernier service

Vidange d'huile

Réglage des freins et
des soupapes

(Dealer Stamp)
(Cachet de l'Agent)

Date _____

Miles / Milles _____

30,000 miles/milles

or once a year

Oil Change

Maintenance

ou une fois par an

Vidange d'huile

Entretien

(Dealer Stamp)
(Cachet de l'Agent)

Date _____

Miles / Milles _____

30,000 miles/milles

or once a year

Electronic Analysis

ou une fois par an

Analyse Electronique

(Dealer Stamp)
(Cachet de l'Agent)

Date _____

Miles / Milles _____

<p>35,000 miles/milles or 6 months after last service Oil Change ou 6 mois après le dernier service Vidange d'huile</p> <p>(Dealer Stamp) (Cachet de l'Agent)</p> <p>Date _____</p> <p>Miles / Milles _____</p>	<p>40,000 miles/milles or 6 months after last service <input type="checkbox"/> Oil Change <input type="checkbox"/> Brake & Valve Adjustment ou 6 mois après le dernier service <input type="checkbox"/> Vidange d'huile <input type="checkbox"/> Réglage des freins et des soupapes</p> <p>(Dealer Stamp) (Cachet de l'Agent)</p> <p>Date _____</p> <p>Miles / Milles _____</p>	<p>45,000 miles/milles or once a year <input type="checkbox"/> Oil Change <input type="checkbox"/> Maintenance ou une fois par an <input type="checkbox"/> Vidange d'huile <input type="checkbox"/> Entretien</p> <p>(Dealer Stamp) (Cachet de l'Agent)</p> <p>Date _____</p> <p>Miles / Milles _____</p>	<p>45,000 miles/milles or once a year Electronic Analysis ou une fois par an Analyse Electronique</p> <p>(Dealer Stamp) (Cachet de l'Agent)</p> <p>Date _____</p> <p>Miles / Milles _____</p>
<p>50,000 miles/milles or 6 months after last service Oil Change ou 6 mois après le dernier service Vidange d'huile</p> <p>(Dealer Stamp) (Cachet de l'Agent)</p> <p>Date _____</p> <p>Miles / Milles _____</p>	<p>55,000 miles/milles or 6 months after last service <input type="checkbox"/> Oil Change <input type="checkbox"/> Brake & Valve Adjustment ou 6 mois après le dernier service <input type="checkbox"/> Vidange d'huile <input type="checkbox"/> Réglage des freins et des soupapes</p> <p>(Dealer Stamp) (Cachet de l'Agent)</p> <p>Date _____</p> <p>Miles / Milles _____</p>	<p>60,000 miles/milles or once a year <input type="checkbox"/> Oil Change <input type="checkbox"/> Maintenance ou une fois par an <input type="checkbox"/> Vidange d'huile <input type="checkbox"/> Entretien</p> <p>(Dealer Stamp) (Cachet de l'Agent)</p> <p>Date _____</p> <p>Miles / Milles _____</p>	<p>60,000 miles/milles or once a year Electronic Analysis ou une fois par an Analyse Electronique</p> <p>(Dealer Stamp) (Cachet de l'Agent)</p> <p>Date _____</p> <p>Miles / Milles _____</p>
<p>65,000 miles/milles or 6 months after last service Oil Change ou 6 mois après le dernier service Vidange d'huile</p> <p>(Dealer Stamp) (Cachet de l'Agent)</p> <p>Date _____</p> <p>Miles / Milles _____</p>	<p>70,000 miles/milles or 6 months after last service <input type="checkbox"/> Oil Change <input type="checkbox"/> Brake & Valve Adjustment ou 6 mois après le dernier service <input type="checkbox"/> Vidange d'huile <input type="checkbox"/> Réglage des freins et des soupapes</p> <p>(Dealer Stamp) (Cachet de l'Agent)</p> <p>Date _____</p> <p>Miles / Milles _____</p>	<p>75,000 miles/milles or once a year <input type="checkbox"/> Oil Change <input type="checkbox"/> Maintenance ou une fois par an <input type="checkbox"/> Vidange d'huile <input type="checkbox"/> Entretien</p> <p>(Dealer Stamp) (Cachet de l'Agent)</p> <p>Date _____</p> <p>Miles / Milles _____</p>	<p>75,000 miles/milles or once a year Electronic Analysis ou une fois par an Analyse Electronique</p> <p>(Dealer Stamp) (Cachet de l'Agent)</p> <p>Date _____</p> <p>Miles / Milles _____</p>

<p>80,000 miles/milles or 6 months after last service Oil Change ou 6 mois après le dernier service Vidange d'huile</p> <p>(Dealer Stamp) (Cachet de l'Agent)</p> <p>Date _____</p> <p>Miles / Milles _____</p>	<p>85,000 miles/milles or 6 months after last service <input type="checkbox"/> Oil Change <input type="checkbox"/> Brake & Valve Adjustment ou 6 mois après le dernier service <input type="checkbox"/> Vidange d'huile <input type="checkbox"/> Réglage des freins et des soupapes</p> <p>(Dealer Stamp) (Cachet de l'Agent)</p> <p>Date _____</p> <p>Miles / Milles _____</p>	<p>90,000 miles/milles or once a year <input type="checkbox"/> Oil Change <input type="checkbox"/> Maintenance ou une fois par an <input type="checkbox"/> Vidange d'huile <input type="checkbox"/> Entretien</p> <p>(Dealer Stamp) (Cachet de l'Agent)</p> <p>Date _____</p> <p>Miles / Milles _____</p>	<p>90,000 miles/milles or once a year Electronic Analysis ou une fois par an Analyse Electronique</p> <p>(Dealer Stamp) (Cachet de l'Agent)</p> <p>Date _____</p> <p>Miles / Milles _____</p>
<p>95,000 miles/milles or 6 months after last service Oil Change ou 6 mois après le dernier service Vidange d'huile</p> <p>(Dealer Stamp) (Cachet de l'Agent)</p> <p>Date _____</p> <p>Miles / Milles _____</p>	<p>100,000 miles/milles or 6 months after last service <input type="checkbox"/> Oil Change <input type="checkbox"/> Brake & Valve Adjustment ou 6 mois après le dernier service <input type="checkbox"/> Vidange d'huile <input type="checkbox"/> Réglage des freins et des soupapes</p> <p>(Dealer Stamp) (Cachet de l'Agent)</p> <p>Date _____</p> <p>Miles / Milles _____</p>	<p>105,000 miles/milles or once a year <input type="checkbox"/> Oil Change <input type="checkbox"/> Maintenance ou une fois par an <input type="checkbox"/> Vidange d'huile <input type="checkbox"/> Entretien</p> <p>(Dealer Stamp) (Cachet de l'Agent)</p> <p>Date _____</p> <p>Miles / Milles _____</p>	<p>105,000 miles/milles or once a year Electronic Analysis ou une fois par an Analyse Electronique</p> <p>(Dealer Stamp) (Cachet de l'Agent)</p> <p>Date _____</p> <p>Miles / Milles _____</p>

Additional Services

The boxes to the right indicate a brake service that is required in addition to the preceding Maintenance schedule.

Services supplémentaires

Les cases placées à droite indiquent le service des freins nécessaire en plus du schéma d'Entretien précédent.

Brake Fluid Renewal and checking of brake warning light switch		
Remplacement du Liquide de Frein et contrôle du contacteur du témoin des freins		
after 2 years of operation après 2 ans d'utilisation	after 4 years of operation après 4 ans d'utilisation	after 6 years of operation après 6 ans d'utilisation
(Dealer Stamp) (Cachet de l'Agent)	(Dealer Stamp) (Cachet de l'Agent)	(Dealer Stamp) (Cachet de l'Agent)
Date _____	Date _____	Date _____
Miles/Milles _____	Miles/Milles _____	Miles/Milles _____



The "Canadian Motor Vehicle Safety Act of 1971" requires manufacturers to be in a position to contact vehicle owners if a correction of a product defect becomes necessary.

For this reason, we kindly ask you to fill in one of the attached postcards if you change your address or if you have just purchased a used Volkswagen.

To complete this postcard, please proceed as follows:

NOTIFICATION OF ADDRESS CHANGE:

Mark the box indicating an address change.

Fill your new address into the appropriate spaces and enter the serial number as it appears on the identification plate located on the left side of the dashboard or on your Ownercard.

It is most important that the correct serial number is entered, since this is the only method enabling us to locate your vehicle in our files.

NOTIFICATION OF USED CAR PURCHASE:

Insert a check mark in the box indicating a used car purchase.

Fill in your complete name, mailing address and serial number of your vehicle. Please quote the serial number as it appears on the identification plate which is located on the left side of the dashboard.

La «Loi sur la sécurité des véhicules automobiles du Canada de 1971» exige que les fabricants soient en mesure de prendre contact avec les propriétaires des véhicules au cas où une modification du produit deviendrait nécessaire.

Nous vous prions donc de bien vouloir remplir la carte annexée au cas où vous auriez changé d'adresse ou au cas où vous auriez acheté une Volkswagen d'occasion.

Veillez remplir la carte de la façon suivante:

AVIS DE CHANGEMENT D'ADRESSE:

Veillez cocher la case réservée au changement d'adresse.

Veillez écrire votre nouvelle adresse dans la case réservée à cette fin ainsi que le numéro de série qui se trouve aux endroits suivants: sur le côté gauche du tableau de bord et sur votre carte de propriétaire.

Il est très important que vous écriviez le numéro de série exact. C'est notre seul moyen d'identifier votre véhicule.

AVIS D'ACQUISITION D'UN VÉHICULE D'OCCASION:

Veillez cocher la case réservée à l'acquisition d'un véhicule d'occasion.

Veillez écrire vos nom et prénoms, votre adresse et le numéro de série de votre véhicule. Veillez écrire le numéro de série exact indiqué sur la plaque d'identification qui se trouve sur le côté gauche du tableau de bord.

**NOTICE OF ADDRESS CHANGE OR USED CAR PURCHASE
AVIS DE CHANGEMENT D'ADRESSE OU D'ACQUISITION D'UN VÉHICULE D'OCCASION**

TYPE OF CHANGE / TYPE DE CHANGEMENT

- 1 CHANGE OF ADDRESS / CHANGEMENT D'ADRESSE
- 2 DEMONSTRATOR PURCHASE / ACQUISITION D'UN VÉHICULE DE DÉMONSTRATION
- 3 OTHER USED CAR PURCHASE / TOUTE AUTRE ACQUISITION

SERIAL NO. / NO. DE SÉRIE

V O L K S W A G E N

LANGUAGE PREFERENCE / LANGUE HABITUELLE

- 1 ENGLISH / ANGLAIS
 - 2 FRENCH / FRANÇAIS
- PLEASE CHECK HERE IF THE VEHICLE IS REGISTERED IN A COMPANY NAME
VEUILLEZ COCHER LA CASE SI LE VÉHICULE EST IMMATRICULÉ AU NOM D'UNE COMPAGNIE

NAME AND ADDRESS · PLEASE PRINT

TITLE, GIVEN NAME, FAMILY NAME / TITRE, PRÉNOM, NOM DE FAMILLE

STREET NUMBER AND NAME, APT. NO., R. R. NO., P. O. BOX NO. / NUMERO ET NOM DE LA RUE, NO. DE L'APP., NO. DE LA R. R., NO. DE LA CASE POSTALE

CITY, TOWN, VILLAGE / VILLE OU VILLAGE

PROV.

POSTAL CODE / CODE POSTAL

AREA CODE INDICATIF REGIONAL

TELEPHONE NO. / NO. DE TELEPHONE

NOM ET ADRESSE · EN CARACTÈRES D'IMPRIMERIE · S. V. P.

**New Vehicle
Delivery Inspection**

Quality Control Checklist
for Service Adviser/Manager

Make and Model VW Type 1

Chassis No. _____

A. Check installation of the following

Windshield wiper arms and blades
Floor mats
Hub caps
Outside mirror

B. Preparatory services

Engine oil level, check
ATF level, check (Automatic Stick Shift)
Brake fluid level, check
Water drain valves, check

C. Operation and safety items

Door lock functioning check
Seat operation and adjustment, check
Safety belts, locking mechanism and ignition lock, check
Brake system, all brake lines and hoses, check visually
Check operation of:
Headlights and high beam indicator, parking lights, stop lights, turn signals and indicator, emergency flasher and indicator, tail lights,

**Inspection à la livraison
du véhicule neuf**

Liste de contrôle-qualité pour le
Conseiller/le Chef Après-Vente

Marque et modèle VW type 1

Châssis No _____

A. Vérifier la pose de ce qui suit

Bras et raclettes d'essuie-glace
Tapis de sol
Enjoliveurs
Rétroviseur extérieur

B. Services préparatoires

Niveau de l'huile-moteur, vérifier
Niveau du liquide ATF, vérifier (Automatic Stick Shift)
Niveau du liquide de frein, vérifier
Valves d'écoulement d'eau, vérifier

C. Fonctionnement et éléments de sécurité

Fonctionnement des serrures de portes, vérifier
Commande et réglage des sièges, vérifier
Ceintures de sécurité, mécanisme de fermeture et contact-démarrreur, vérifier
Freinage, tous les tuyaux et flexibles de frein, vérifier visuellement
Vérifier le fonctionnement de ceci:
phares et témoin du faisceau-route, feux de stationnement, feux stop, clignotants et témoin, feux de détresse et témoin, feux arrière,

BUSINESS REPLY CARD
No Postage Stamp Necessary if Mailed in Canada
CARTE-REPONSE D'AFFAIRES
Se poste sans timbre au Canada

POSTAGE WILL BE PAID BY
8 C DE PORT SERONT PAYES PAR

VOLKSWAGEN CANADA LTD.

P. O. Box 1003, Station "O"

Toronto, Ontario

M 4 A 2N5

Attn.: SERVICE DEPARTMENT
A l'attention du DEPARTEMENT APRES-VENTE

side marker lights, license plate light, back-up lights, horn, windshield wipers and washer, rear window defogger and indicator, brake warning light, alternator and oil pressure warning lights

Wheel mounting bolts, check tightness
Cotter pins for rear axle nuts, check visually
Steering components, lock plates and cotter pins, check visually
Tie rod ends and tie rods, check visually.

D. Road or dynamometer test

Brakes and parking brake, check operation
Clutch and shifting of all gears, check operation

E. After road or dynamometer test

Engine idle speed, check

feux de balisage latéral, feu de plaque, feux de recul, avertisseur sonore, essuie-glace et lave-glace, dégivrage de lunette arrière et témoin, témoin des freins, témoins d'alternateur et de pression d'huile.

Boulons de roues, vérifier le serrage
Goupilles des écrous du train arrière, vérifier visuellement
Organes de direction, arrêtoirs et goupilles, vérifier visuellement
Articulations des barres de direction et barres de direction elles-mêmes, vérifier visuellement

D. Essai routier ou dynamométrique

Freins au pied et de parcage, vérifier le fonctionnement
Embrayage et passage de toutes les vitesses, vérifier le fonctionnement

E. Après l'essai routier ou dynamométrique

Régime de ralenti du moteur, vérifier

Remarks _____

Vehicle in perfect condition _____

Signature of Service Adviser/Manager _____ Date _____

Remarques _____

Véhicule en parfait état _____

Signature du Conseiller / du Chef Après-Vente _____ Date _____



NOTICE OF ADDRESS CHANGE OR USED CAR PURCHASE
AVIS DE CHANGEMENT D'ADRESSE OU D'ACQUISITION D'UN VÉHICULE D'OCCASION

TYPE OF CHANGE / TYPE DE CHANGEMENT

SERIAL NO./NO. DE SÉRIE																				

- 1 CHANGE OF ADDRESS
 CHANGEMENT D'ADRESSE
- 2 DEMONSTRATOR PURCHASE
 ACQUISITION D'UN VÉHICULE DE DÉMONSTRATION
- 3 OTHER USED CAR PURCHASE
 TOUTE AUTRE ACQUISITION

V O L K S W A G E N

LANGUAGE PREFERENCE / LANGUE HABITUELLE

- 1 ENGLISH
 ANGLAIS
- 2 FRENCH
 FRANÇAIS

PLEASE CHECK HERE IF THE VEHICLE IS
 REGISTERED IN A COMPANY NAME

VEUILLEZ COCHER LA CASE SI LE VÉHICULE EST
 IMMATRICULÉ AU NOM D'UNE COMPAGNIE

NAME AND ADDRESS · PLEASE PRINT

NOM ET ADRESSE · EN CARACTÈRES D'IMPRIMERIE S.V.P.

TITLE, GIVEN NAME, FAMILY NAME / TITRE, PRÉNOM, NOM DE FAMILLE																				

STREET NUMBER AND NAME, APT. NO., R. R. NO., P. O. BOX NO. / NUMÉRO ET NOM DE LA RUE, NO. DE L'APP., NO. DE LA R. R., NO. DE LA CASE POSTALE																				

CITY, TOWN, VILLAGE / VILLE OU VILLAGE																																					
PROV.																																					

POSTAL CODE / CODE POSTAL																				

AREA CODE INDICATIF REGIONAL																				

TELEPHONE NO. / NO. DE TÉLÉPHONE																				

NOTICE OF ADDRESS CHANGE OR USED CAR PURCHASE
AVIS DE CHANGEMENT D'ADRESSE OU D'ACQUISITION D'UN VÉHICULE D'OCCASION

TYPE OF CHANGE / TYPE DE CHANGEMENT

SERIAL NO./NO. DE SÉRIE																				

- 1 CHANGE OF ADDRESS
 CHANGEMENT D'ADRESSE
- 2 DEMONSTRATOR PURCHASE
 ACQUISITION D'UN VÉHICULE DE DÉMONSTRATION
- 3 OTHER USED CAR PURCHASE
 TOUTE AUTRE ACQUISITION

V O L K S W A G E N

LANGUAGE PREFERENCE / LANGUE HABITUELLE

- 1 ENGLISH
 ANGLAIS
- 2 FRENCH
 FRANÇAIS

PLEASE CHECK HERE IF THE VEHICLE IS
 REGISTERED IN A COMPANY NAME

VEUILLEZ COCHER LA CASE SI LE VÉHICULE EST
 IMMATRICULÉ AU NOM D'UNE COMPAGNIE

NAME AND ADDRESS · PLEASE PRINT

NOM ET ADRESSE · EN CARACTÈRES D'IMPRIMERIE S.V.P.

TITLE, GIVEN NAME, FAMILY NAME / TITRE, PRÉNOM, NOM DE FAMILLE																				

STREET NUMBER AND NAME, APT. NO., R. R. NO., P. O. BOX NO. / NUMÉRO ET NOM DE LA RUE, NO. DE L'APP., NO. DE LA R. R., NO. DE LA CASE POSTALE																				

CITY, TOWN, VILLAGE / VILLE OU VILLAGE																																					
PROV.																																					

POSTAL CODE / CODE POSTAL																				

AREA CODE INDICATIF REGIONAL																				

TELEPHONE NO. / NO. DE TÉLÉPHONE																				

BUSINESS REPLY CARD

No Postage Stamp Necessary if Mailed in Canada

CARTE-REPONSE D'AFFAIRES

Se poste sans timbre au Canada

POSTAGE WILL BE PAID BY
8 C DE PORT SERONT PAYES PAR

VOLKSWAGEN CANADA LTD.

P. O. Box 1003, Station "O"
Toronto, Ontario
M 4 A 2N5

Attn.: SERVICE DEPARTMENT
A l'attention du DEPARTEMENT APPRES-VENTE

BUSINESS REPLY CARD

No Postage Stamp Necessary if Mailed in Canada

CARTE-REPONSE D'AFFAIRES

Se poste sans timbre au Canada

POSTAGE WILL BE PAID BY
8 C DE PORT SERONT PAYES PAR

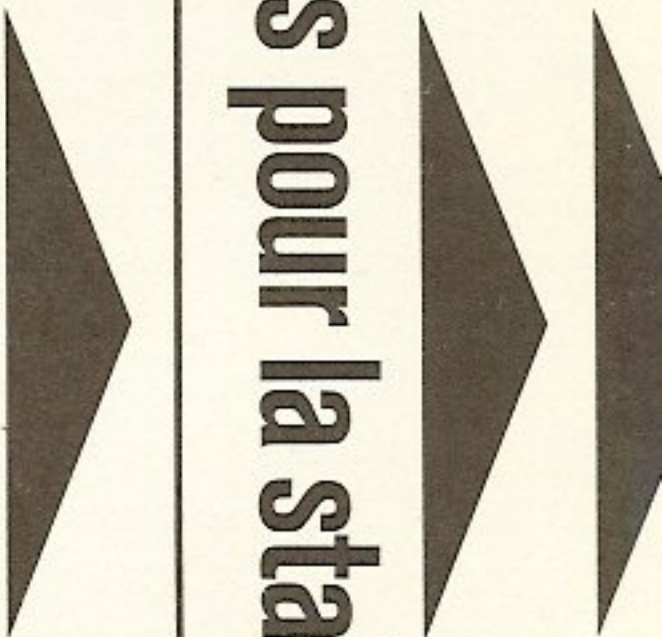
VOLKSWAGEN CANADA LTD.

P. O. Box 1003, Station "O"
Toronto, Ontario
M 4 A 2N5

Attn.: SERVICE DEPARTMENT
A l'attention du DEPARTEMENT APPRES-VENTE



Informations pour la station-service



Gas Station Information

Gas Station Information

Starting

**Sit on seat.
Buckle up.
Start engine.**

This sequence must be observed on some vehicles by driver and front seat passenger.

To move car within 3 minutes after engine shut-off, it is not necessary to buckle safety belts. For details see page 6.

Chassis number (Serial No., VIN)

Visible through driver's side of windshield.

Front seats

Seat adjustment: Operate levers – A – on tunnel.
Backrest release: Lift lever – B – on outboard side of backrest.

A = Seat adjustment

B = Backrest release

Fuel cap

Above right front fender. To close, turn cap until it clicks.

Fuel recommendation

"Regular", low-lead or lead-free. Min. octane rating listed on label inside fuel tank flap.

Engine oil dipstick

Check oil level 5 min. after engine has stopped. Level should be between upper and lower marks on dipstick. Difference between marks is approx. 1.1 Imp. qts. (1.3 qts. or 1.25 liter).

C = Oil dipstick

D = Oil filler cap

Engine oil grades

Use name brand oil labeled "For Service API/SE". See oil viscosity chart on page 52.

Transmission oil

For transmission and final drive use hypoid oil Mil-L-2105 API/GL 4 SAE 80 W or SAE 80 W/90 (multi grade) all year.

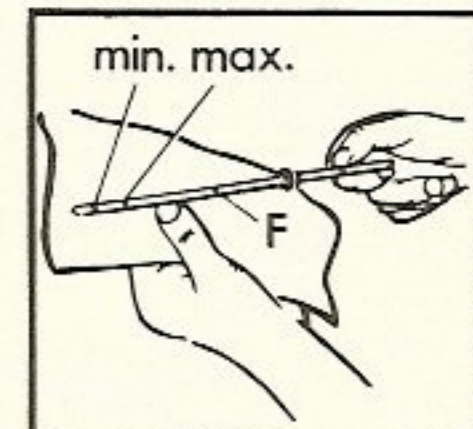
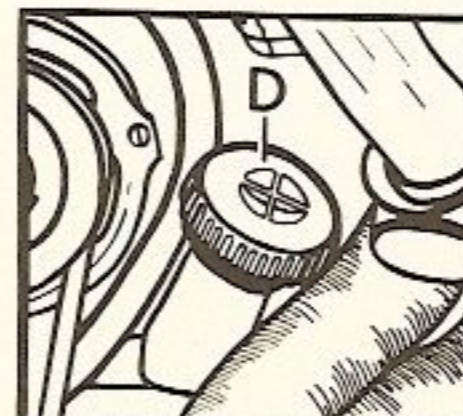
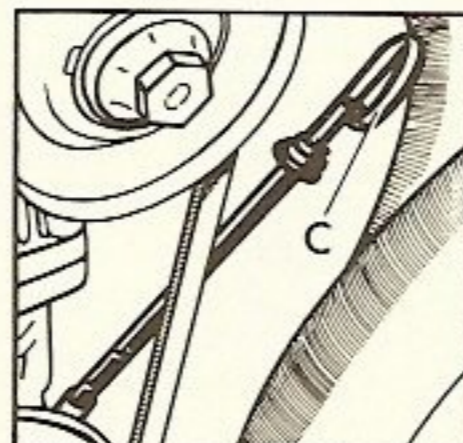
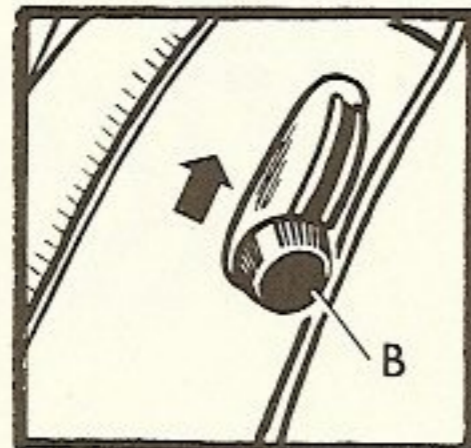
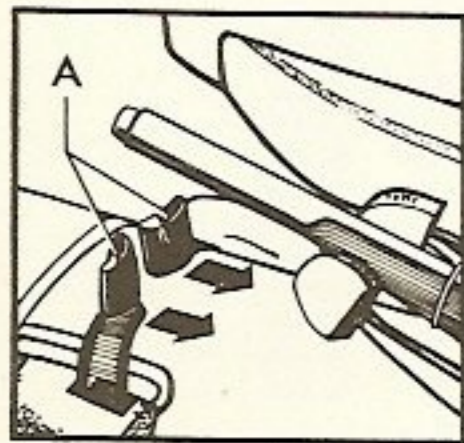
ATF (Automatic Stick Shift)

Check ATF level with engine off. ATF tank cap has dipstick attached.

Use ATF "Dexron[®]" with 5-digit number preceded by "B".

E = ATF filler cap with dipstick

F = Dipstick with min. and max. marks



Fuse box

Under dashboard

Additional fuses for:

Back-up lights – in engine compartment above ignition coil.

Rear window defogger (main current) – under rear seat on left.

See pages 39 and 40.

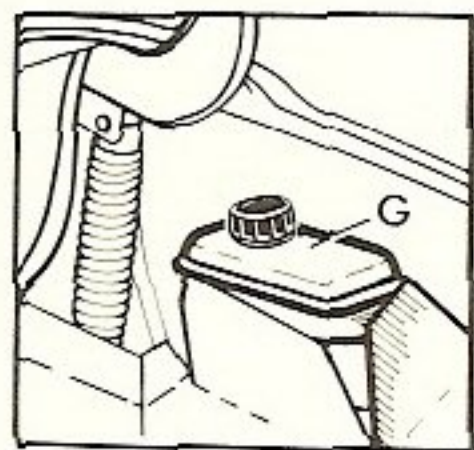
Hood release, front

Pull release inside glove compartment. To lock hood, lower hood, press handle down firmly until hood locks.

Brake fluid reservoir

Under front hood.

Only use new brake fluid SAE J 1703, conforming to Mot. Veh. Safety Std. 116.



Brake fluid level should be above seam edge near top (G).

Tire pressure

See sticker on inside of glove compartment door.

Spare wheel

Under front hood

Spare tire supplies pressure to operate washer. Maintain at 42 psi (3 kg/cm²). Disconnect hose from valve (H). Pressurize spare tire by this valve.

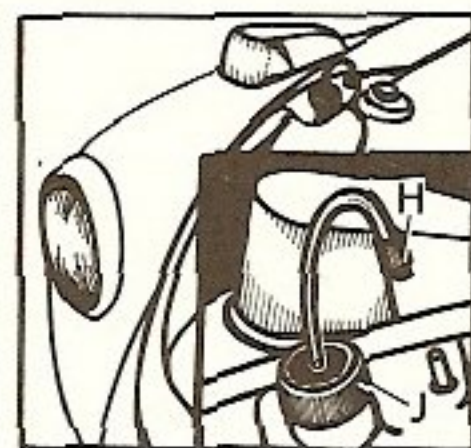
Spare tire removal

Disconnect windshield washer hose from tire valve (VW 111 – also remove wedges from wheel rim/arrows).

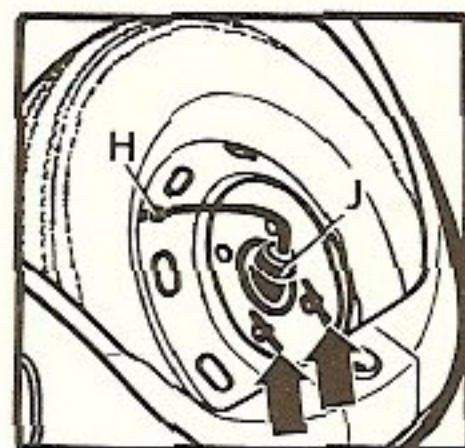
Windshield washer container

Unscrew cap (J), add water and cleaning solution. Follow mixture instructions on can.

VW 113



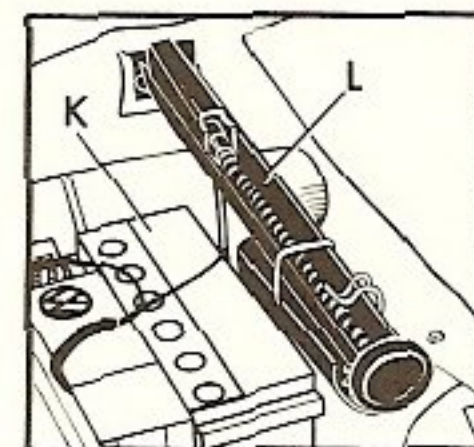
VW 111



Battery

Under rear seat

Take out rear seat first – see page 43. Check each cell. Top up with distilled water.



K = Battery

L = Jack

Jack

Under rear seat next to battery
Take out rear seat first – see page 43

Jack port (M)

Raises entire side for front or rear wheel changing.



Informations pour la station-service

Lancement du moteur

Prenez place.

Bouclez la ceinture.

Procédez au lancement du moteur.

Cet ordre doit être respecté par le conducteur et son passager avant.

Pour déplacer le véhicule dans les 3 minutes après arrêt du moteur, il n'est pas nécessaire de boucler les ceintures de sécurité. Pour les détails, voir page 6.

Numéro de châssis (No de série, VIN – Numéro d'identification du véhicule)

Visible à travers le pare-brise côté conducteur.

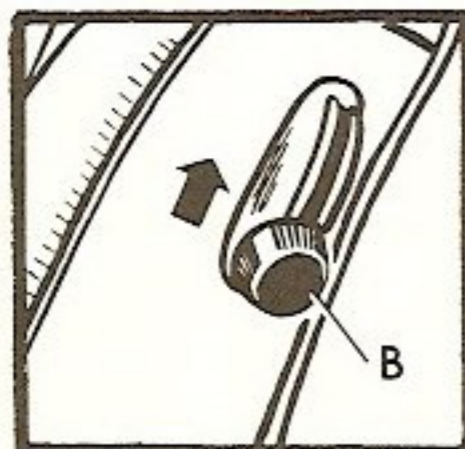
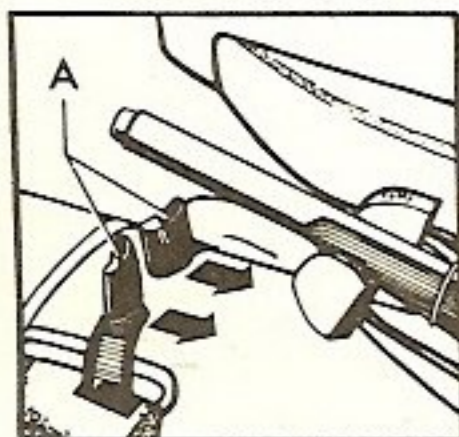
Sièges avant

Réglage des sièges:
actionnez les leviers – A – sur le tunnel de châssis

Débloqué des dossiers:
soulevez le levier – B – côté extérieur du dossier

A = Réglage des sièges

B = Débloqué des dossiers



Bouchon d'essence

Au-dessus de l'aile avant droite. Pour fermer, tournez le bouchon jusqu'à perception d'un déclic.

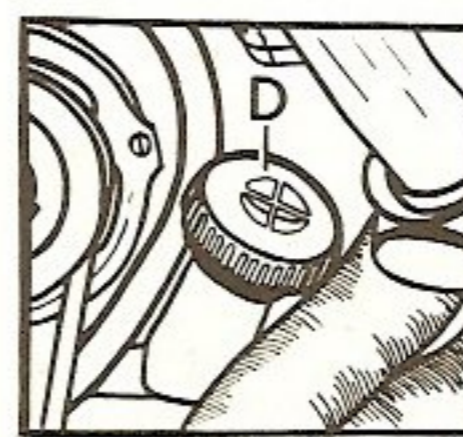
Essence recommandée

«Regular» (ordinaire), à faible teneur de plomb ou sans plomb. Indice d'octane minimum indiqué sur l'étiquette du côté intérieur du portillon de réservoir à essence.

Jauge d'huile-moteur

Vérifiez le niveau d'huile 5 minutes après que le moteur se soit arrêté. Le niveau d'huile devrait se trouver entre les repères supérieur et inférieur. La différence entre les repères représente env. 1.1 pinte (1.3 pinte US/1.25 litre).

C = Jauge d'huile D = Bouchon d'huile



Huile-moteur – viscosités

Utilisez une huile de marque connue portant une étiquette «For Service API/SE» (ou une combinaison des deux). Voir page 52 le tableau des viscosités d'huile.

Huile de boîte

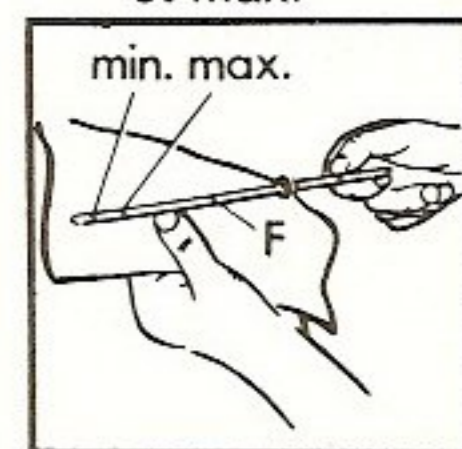
Pour la boîte et le pont, utilisez toute l'année de l'huile hypoïde Mil-L-2105 API/GL 4 SAE 80 W ou SAE 80 W/90 (multigrade).

ATF (Automatic Stick Shift)

Vérifiez le niveau de l'ATF, le moteur étant arrêté. Au bouchon de réservoir d'ATF est attachée une jauge.

Utilisez de l'ATF «Dexron®» avec un nombre à 5 chiffres précédé de la lettre «B».

E = Bouchon ATF avec jauge F = Jauge avec repère mini et maxi



Boîte à fusibles

Sous le tableau de bord

Fusibles supplémentaires pour:

Feux de recul – dans le compartiment-moteur au-dessus de la bobine d'allumage

Dégivrage de lunette arrière (courant principal) – à gauche sous la banquette arrière

Voir pages 39 et 40

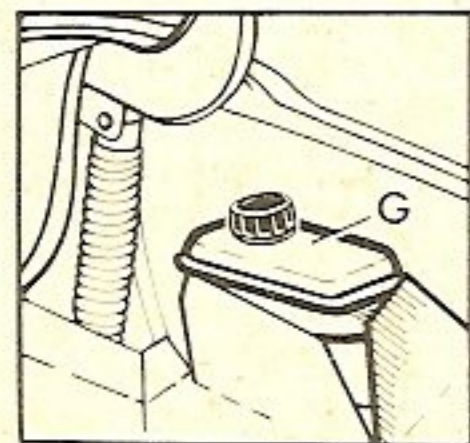
Commande d'ouverture du capot avant

Tirez la commande à l'intérieur de la boîte à gants. Pour verrouiller le capot, rabaissez-le, appuyez la poignée fermement vers le bas jusqu'à ce que la serrure s'encliquette.

Réservoir de liquide de frein

Sous le capot avant.

N'utilisez que du liquide de frein neuf SAE J 1703, conformément à la norme 116 de sécurité des véhicules automobiles.



Le niveau du liquide de frein devrait dépasser le bourrelet en haut du réservoir (G).

Pression des pneus

Voir l'étiquette à l'intérieur du battant de boîte à gants.

Roue de secours

sous le capot avant

La roue de secours fournit la pression nécessaire au fonctionnement du lave-glace. Maintenez cette pression à 42 psi (3 kg/cm²). Débranchez le flexible de la valve (H). Gonflez la roue de secours par cette valve.

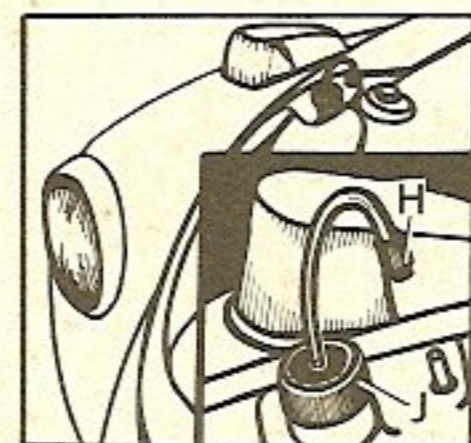
Enlèvement de la roue de secours

Débranchez le flexible de lave-glace de la valve du pneu (VW 111 – enlevez aussi les cales placées sur la jante/flèches).

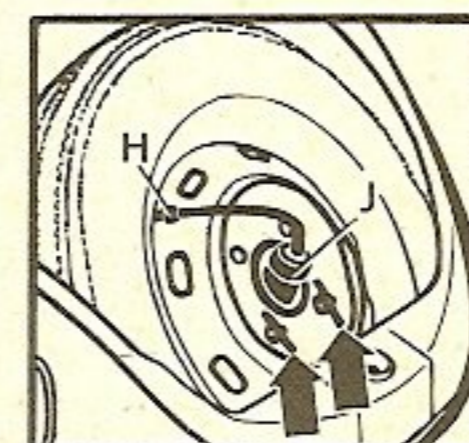
Réservoir de lave-glace

Devissez le bouchon (J), ajoutez de l'eau et une solution de nettoyage. Suivez les instructions sur le récipient pour le mélange.

VW 113



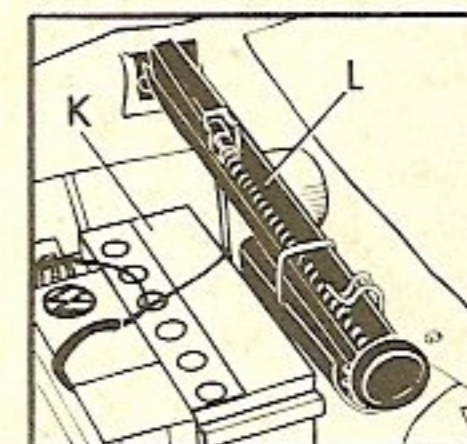
VW 111



Batterie

sous la banquette arrière.

Sortez tout d'abord la banquette – voir page 43. Vérifiez chaque élément. Faites l'appoint d'eau distillée.



K = batterie

L = cric

Cric

Sous la banquette arrière près de la batterie. Sortez tout d'abord la banquette arrière – voir page 43.

Ancrage du cric (M)

Soulevez complètement un côté pour le changement de la roue avant ou arrière.

