



# Lubrication and Maintenance

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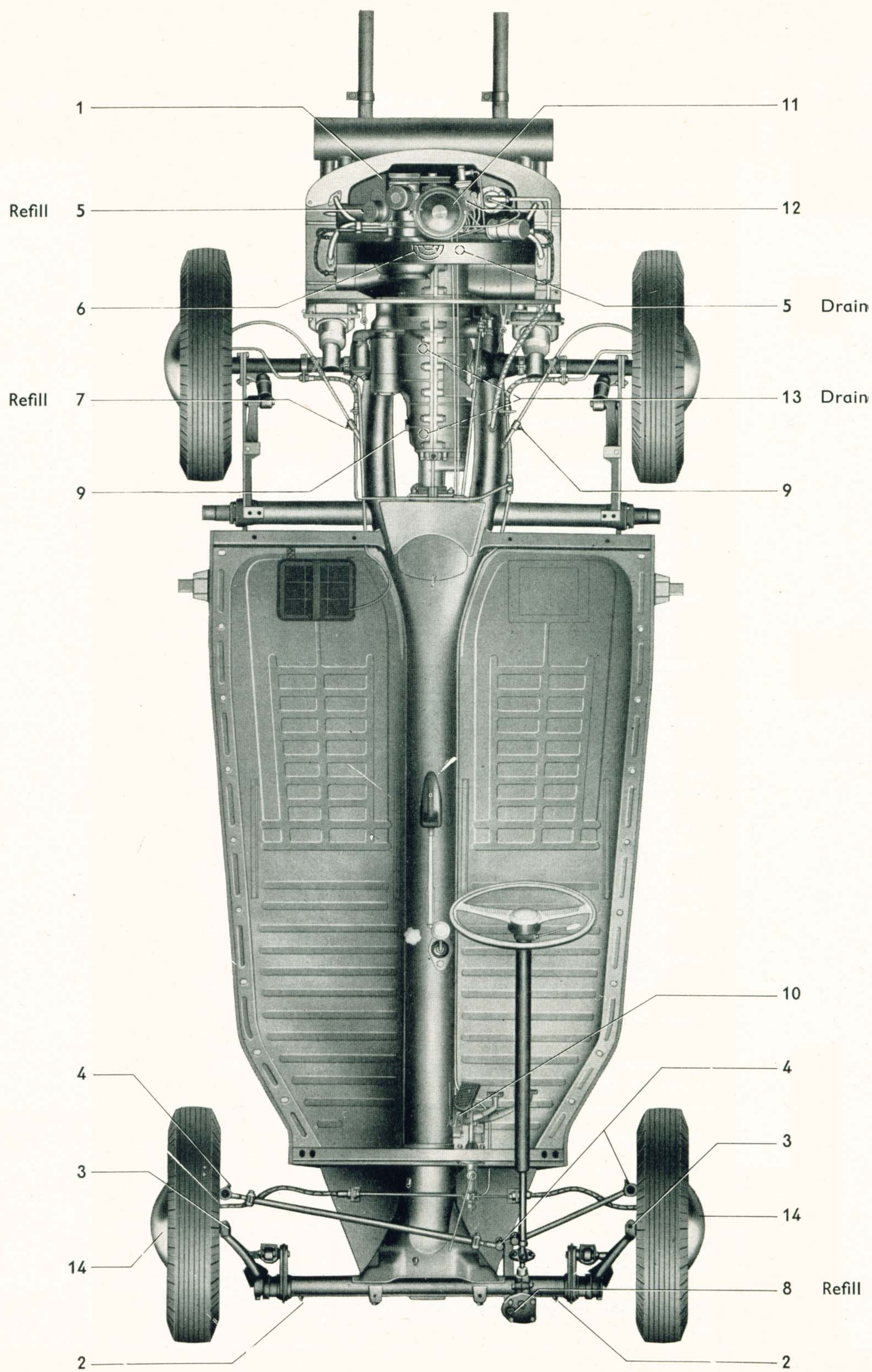
# Maintenance Chart

(From June 1956)

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At km/miles			Operation	Every
km	miles			
500	300			
	2500	1500		
		5000	3000	
			Clean air cleaner	5000 km  3000 miles
			Check and adjust fan belt	
			Clean carburetor Check carburetor adjustment	
			Check breaker points and ignition timing	
			Check valve clearance	
			Examine battery	
			Check operation of lights, signals, and instruments	
			Check generator	
			Check spark plugs and compression	
			Check steering gear adjustment	
			Check front wheel bearings, front suspension, tie rod ends and toe-in	
			Check tire pressures and tighten wheel bolts From 5000 km (3000 miles) onwards, rotate tires	
			Test brakes and check brake fluid level Check brake linings through inspection hole	
			Check tightness and effect of shock absorbers	
			Check clutch pedal clearance	
			Coat weather strips for doors and Convertible windows with powdered talc	10 000 km  6 000 miles
			Check automatic cooling air control	
			Inspect rear axle and engine for oil leaks	
			Engine, especially exhaust, carburetor, intake manifold, and fuel pump	
			Chassis, body, front axle, rear axle, and steering	Check tightness of nuts and bolts





**Lubrication Points**  
(Chassis)





# Lubrication Chart

(From June 1956)

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At km miles			No.	Lubrication points	Lubricant	Every
km miles	500 300	2500 1500				
			①	Engine: Check oil level, top up if necessary	(M)	2500 km 1500 miles
			②	Front axle tubes	(F)	
			③	King pins	(F)	
			④	Tie rod ends	(F)	
				Door hinges	(M)	
			⑤	Engine: Change oil	(M)	5000 km 3500 miles
			⑥	Engine: Clean oil strainer		
			⑦	Transmission: Check oil level	(G)	
			⑧	Steering gear: Check oil level	(G)	
			⑨	Brake cables	(F)	
			⑩	Pedal cluster	(F)	
			⑪	Carburetor controls	(M)	
			⑫	Breaker arm fiber block in distributor	(F)	
				Door and hood locks	(F)	
				Convertible: Top linkages	(M)	
			⑬	Transmission: Change oil	(G)	25 000 km 15 000 miles
			⑭	Front wheel bearings	(W)	
			⑫	Cam bearing in distributor	(M)	

## Lubricants

Lubricant	Lubrication points		Specifications		
Engine	Engine, air cleaner, carburetor controls, door hinges, cam bearing in distributor, Convertible: Top linkages	(M)	Temperature		
			° C	° F	
			above +30	+86	SAE 30
			from 0	+32	SAE 20 or
			to +30	+86	SAE 20W
Gear oil	Transmission case,	(G)	below 0	+32	SAE 10W
			below -25	-13	SAE 5W
	Steering gear	(G)	above 0	+32	SAE 90
Universal grease	Front axle, tie rod ends, front wheel bearings, brake cables, pedal cluster, gearshift lever, breaker arm fiber block, door and hood locks, Convertible: Door hinges	(F)	below 0	+32	SAE 80
					SAE 90
Special grease	Front wheel bearing	(W)			Anti-freeze, water-repellent grease
					High melting point grease





# Tools and Appliances

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## 1 - VW Special Service Tools

VW 102	T-Wrench, 14 mm
VW 103	T-Wrench, 17 mm
VW 106	T-Wrench, 10 mm
VW 113	Two Open End Wrenches, 27 mm
VW 113a	Two Open End Wrenches, 32 mm
VW 126a	Fuel Pump Wrench
VW 163a	36 mm Socket
VW 266f	Tie Rod End Remover

## 2 - VW Workshop Equipment for Local Manufacture

VW 637	Inner and Outer Hub Cap Removal Tool
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## 3 - Normal Hand Tools

Electrician's screwdriver, 3 mm  
Screwdriver, 6 mm  
Screwdriver, 8 mm  
Carburetor screwdriver  
Combination pliers  
Pipe wrench  
Cold chisel  
Mechanic's hammer, 300 grams  
Mechanic's hammer, 500 grams  
VW Spark plug wrench  
Socket wrench, 14 mm  
Socket wrench, 17 mm  
Phillips screwdriver, 3 mm  
Phillips screwdriver, 5 mm  
Open-end wrench, 7 mm  
Open-end wrench, 8 mm  
Open-end wrench, 10 mm  
Open-end wrench, 12 mm  
Open-end wrench, 14 mm  
Open-end wrench, 19 mm  
Open-end wrench, 22 mm  
Box wrench, 14 mm  
Box wrench, 17 mm  
Box wrench, 19 mm  
Box wrench, 27 mm  
Box wrench, 30 mm  
Box wrench, 36 mm  
Wire brush  
Oil-can  
Can for derusting fluid  
Grease container  
Test lamp, 6 volts  
Contact file  
Air pressure gauge, 0—6 kg/cm<sup>2</sup> (85 lbs./sq. in.)  
Set of feeler gages, 0.1—0.5 mm  
Torque wrench, 0—30 mkg (217 ft. lbs.)  
Inspection lamp with cable and plug

## 4 - Supplementary Workshop Equipment