Belt Adjustment Values - Engine

Belt type Balance shaft toothed belt	Scale values on Special Tool 9201
Adjustment and check value: for roller with oblong hole	2.7 ± 0.3
Alternator drive belt	
Adjustment and check value: 6-rib "poly-rib belt" without air conditioning	9.5
6-rib "poly-rib belt" with air conditioning	9.5 + 1 revolution at the tensioning strut
V-Belt Servo Pump The tension must be determined by thumb pressure on the middle of the belt:	Belt should give by approx. 5 mm
V-belt dimensions V-belt for servo pump	9.5 x 950
Poly-rib belt for alternator	K6 720 Lw
Poly-rib belt for alternator and air conditioning compressor	K6 1000 Lw

Coolant mixing table (average values)

Frost protection to	Antifreeze	Water	Antifreeze	Water
-30°C	45%	55%	3,5 l	4,3 l
-35°C	50%	50%	3,9 l	3,9 l
-40°C	55%	45%	4,3 l	3,5 l

Cleaning the Complete Engine Oil System Following Engine Failure (Bearing Failure)

Note:
This cleaning sequence is only intended to indicate where chips may be found. The actual scope of work involved must be determined individually for each engine failure.

The following parts should be replaced:

- Hydraulic bucket tappets
- Pressure relief valve (crankcase)
- Oil filter

The following parts should be dismantled, checked and thoroughly cleaned:

- Oil pump
- Oil check valve in cylinder head
- Thermostat housing

The following parts must be cleaned thoroughly and/or rinsed several times:

Note:
All oil bores can be flushed thoroughly with conventional benzine.

- Oil pan
- Oil inlet pipe
- Oil drain pipe
- Oil lines
- Oil cooler
- Oil filler neck
- Crankcase
- Crankcase
- Cylinder head

Change oil filter and engine oil after approx. 500 km.

Note:
Following an engine failure the complete intake system must be checked for foreign bodies and oil and cleaned before assembly.

Test values at the engine

Engine type M 44.43/44

Test operation	Test values		Special remarks
Electric fuel pump Min. feed	rate 850 cc/30s		
Fuel pressure (Engine standstill) DME relay jumpered	3.8 ± 0.2 bar		
Check value at idle Leak test Min. pressure after 20 min	3.3 ± 0.2 bar 2.0 bar		
Idle speed rpm Engine type M 44.43 (Manual transmission) Engine type M 44.44 (Tiptronic)	without cat. conv. 840 ± 40** 880 ± 40**	with cat. converter 840 ± 40** 880 ± 40**	**Idle speed can only be checked. Idle adjustment is no longer performed.
CO values % HC values ppm	0.5...1.5 ≤ 300	0.4...1.2* ≤ 300*	*Measured ahead of catalytic converter, oxygen sensor connector **not** disconnected CO adjustment is no longer performed

Notes

Torque Specifications - Clutch

Location	Thread	Tightening torque Nm (ftlb)	
Guide tube to clutch housing	M 6	10 (7)	
Pressure plate to flywheel	M 8	23 (17)	
Flywheel to crankshaft	M 10	40 (29) 90 (66)	1st stage 2nd stage
Clutch housing to engine	M 12	75 (55)	
Starter motor to clutch housing	M 10	40 (29)	
Cover to clutch housing	M 8	23 (17)	
Protective plate and support plate to clutch housing and crankcase	M 10	42 (31)	
Clutch release shaft with clutch housing	M 6 M 6 (nut)	9.5 (7) 7.5 (5)	
Reference mark and engine speed sensor to holder	M 6	8 (9)	
Slave cylinder to clutch housing	M 8	21 (15)	
Clamping sleeve/central shaft	M 10	80 (59)	

Clutch

Design	Single-disk dry clutch with diaphragm spring, extended design, mounted on engine side. Hydraulic operation. Double-mass flywheel.
Pressure plate	GMFZ 240
Contact pressure	8800...9600 N
Clutch plate	Ø 240 (rigid)
Slave cylinder	Ø 23.81 mm

The clutch play cannot be checked at the clutch pedal due to the automatic hydraulic adjustment.

However, perfect functioning of the clutch must be guaranteed by a play of 0.5 mm between the push rod and the master cylinder piston.

This play cannot be measured, but must be determined by sense of feel at the clutch pedal. It will be approx. 3 mm at the pedal plate.

Torque Specifications - Manual Transmission G44

Location	Thread	Tightening torque Nm (ftlb)
Selector shaft cover to transmission case	M 8	25 (18)
Locking screws to transmission case and end shield	M 24 x 1.5	70 (52)
Reversing lamp switch to cover	M 12 x 1.5	20 (15)
End shield to transmission case	M 8	25 (18)
Four-point bearing, drive shaft	M 17 x 1	150 (111)
Cover plate to end shield	M 8	25 (18)
Retaining plate to end shield	M 8 (with collar)	25 (18)
Deflection lever for reverse gear to end shield	M 14 x 1.5	35 (26)
Oil filling and drain plug	M 22 x 1.5	35 (26)
Screw neck for guide plate to transmission case	M 6	10 (7) (and Loctite 271)
Side cover to transmission case	M 8	25 (18)
Joint flange to differential	M 10	44 (32)
Ring gear to differential housing (Verbus-Ripp screw)	M 12 x 1.25	200 (147)

General Data — Manual transmission G 44

Transmission ratios $Z_2:Z_1 = i$	
1st gear	35 : 11 = 3.182
2nd gear	38 : 19 = 2.000
3rd gear	33 : 23 = 1.435
4th gear	30 : 27 = 1.111
5th gear	31 : 34 = 0.912
6th gear	28 : 36 = 0.778
Reverse	38 : 11 = 3.455
Final drive	Hypoid bevel-gear drive with 12 mm offset
Transmission ratio Final drive	34 : 9 = 3.778
Filling capacity	approx. 2.75 liter hypoid oil SAE 75 W 90 or API classification GL5 (or MIL-L 2105 B)

Tightening torques – Tiptronic transmission A 44

Location	Thread	Tightening torque Nm (ftlb)
Multi-function switch to transmission	M 6	10 (7)
Operating lever to selector shaft	M 8 x 1	15 (11)
Lock nut to ball socket	M 5	5 (4)
Inductive pickup to transmission cover	M 18 x 1.5	30 (22)
Plug for ATF quick-fill connection	M 14 x 1.5	30 (22)
Plug for ATF pan	M 10 x 1	15 (11)
ATF pan to transmission	M 6	6 (4)
ATF filter to hydraulic control unit	M 6	8 (6)
Hydraulic control unit to transmission	M 6	8 (6)
Valve housing to hydraulic control unit	M 5	6 (4)
Solenoids to hydraulic control unit	M 5	5 (4)
Hexagon nuts to transmission socket	M 26 x 1	20 (15)
ATF spray line to transmission	M 12 x 1.5	35 (26)
Spur gear drive to transmission housing	M 8	23 (17)
Housing flange to housing (spur gear drive)	M 6	8 (6)

Tightening torques – Tiptronic transmission A 44

Location	Thread	Tightening torque Nm (ftlb)
Oil drain plug (rear axle final drive)	M 16 x 1.5	40 (30)
Oil filler plug (rear-axle final drive)	M 18 x 1.5	50 (37)

General Data — Tiptronic Transmission A44

Design	Fully automatic 4-speed planetary transmission (Tiptronic)
Transmission ratios	
Spur gear drive	1.22
1st gear	2.579
2nd gear	1.407
3rd gear	1.000
4th gear	0.742
Reverse	2.882
Final drive	Hypoid bevel-gear drive with 10 mm offset
Final drive transmission ratio	39 : 12 i = 3.25
Stall speed	2700 – 400
Rear-axle final drive capacity	approx. 0.7 l multigrade transmission oil 75 W 90 to API specification GL 5 (MIL-L 2105 B). Optionally SAE 90.
Capacity: Automatic section including converte	Total capacity approx. 7.0 l Change quantity approx. 3.0 l ATF-Dexron II D

Torque Specifications - Central Tube, Transmission Suspension (Tiptronic)

Location	Thread	Tightening torque Nm (ftlb)
Shock absorber to central shaft (clamping screw)	M 10	80 (59)
Torque converter mount to central shaft (clamping screw)	M 10	80 (59)
Clutch housing to central tube flange	M 10	42 (31)
Shock absorber to flywheel	M 8	21 (15)
Torque converter to drive plate	M 10	76 (56)
Transmission to central tube	M 10	42 (31)
Torque converter mount to central tube housing	M 8	21 (15)
Clutch housing to engine	M 12	75 (55)
Transmission support to body	M 10	46 (34)
Transmission mount to bracket	M 10 (Property class 8.8) M 10 (Property class 10.9)	46 (34) (hexagon-head screw with washer) 65 (48) (collar screw without washer)
Transmission mount to transmission support	M 8	23 (17)
Bracket to transmission case	M 8	23 (17)

Torque Specifications - Central Tube, Transmission Suspension and Transmission (Manul Transmission)

Location	Thread	Tightening torque Nm (ftlb)
Clamping sleeve to transmission input shaft and control shaft	M 10	80 (59) (Assembling sequence see Repair Manual)
Central shaft I to central shaft II	M 10	80 (59)
Clutch housing to central tube flange	M 10	42 (31)
Transmission to central tube	M 10 M 12	42 (31) 85 (63)
Clutch housing to engine	M 12	75 (55)
Transmission support to body	M 10	46 (34)
Transmission mount to bracket	M 10 (Property class 8.8) M 10 (Property class 10.9)	46 (34) (hexagon-head screw with washer) 65 (48) (collar screw without washer)
Transmission mount to transmission support	M 8	23 (17)
Bracket to transmission case	M 8	23 (17)
Joint rod to transmission	M 8	14 (10)
Lock nuts/joint rod		10 (7)
Fastening of shift rod	M 8	21 (15)
Gear lever plate to central tube	M 8	21 (15)
Intermediate gear lever to selector shaft	M 8	23 (17)

Notes

Torque Specifications - Front Axle

Location	Thread	Tightening torque Nm (ftlb)
Control arm to cross member	M 12 x 1.5	65 (48)
Control arm to body	M 10	46 (34)
Control arm bearing to alum. control arm (caster eccentric)	M 12 x 1.5	100 (74)
Control arm to steering knuckle	M 10	50 (37)
Cross member to body	M 12	85 (63)
Heat sink for hydraulic bearing to cross member	M 6	10 (7)
Track rod to steering knuckle	M 12 x 1.5	50 (37)
Stabilizer suspension to body	M 8	23 (17)
Clip for stabilizer to suspension	M 8	23 (17)
Stabilizer suspension to control arm	M 10	25 (18)
McPherson strut bearing to shock absorber strut	M 14 x 1.5	77 (57)
Fillister head screw to clamping nut	M 7	13 + 3 (10 + 2)
Cover plate to steering knuckle	M 7	10 (7)

Location	Thread	Tightening torque Nm (ftlb)
Brake caliper to steering knuckle	M 12 x 1.5	85 (63)
McPherson strut to steering knuckle	M 12 x 1.5	120 (88)
McPherson strut to body	M 8	25 (18)
Air deflector to McPherson strut	M 6	10 (7)
Brake disk to wheel hub	M 6	10 (7)
Spoiler an Querlenker	M 6	10 (7)
Wheel to brake disk	M 14 x 1.5	130 (96)

Torque Specifications - Steering

Location	Thread	Tightening torque Nm (ftlb)
Universal shaft to steering gear and steering shaft	M 8	30 + 5 (22 + 4)
Steering gear to cross member	M 8	23 (17)
Cover for pinion bearing	M 6	7 (5)
Cover on press. piece bearing	M 6	7 (5)
Track rod to steering knuckle	M 12 x 1.5	50 (37)
Steering wheel to steering shaft	M 16 x 1.5	45 (33)
Steering column switch to jacket tube	M 8 M 5	15 (11) 4 (3)
Jacket tube to body	M 8	23 (17)
Support bearing to body	M 6	7 (5)
Track rod to steering rack	M 14 x 1.5	70 (52)
Track rod joint to track rod	M 14 x 1.5	70 (52)
Pressure and return line to steering gear	M 12 x 1.5 M 10 x 1	20 (15)left-hand drive 15 (11) right-hand drive
Pressure line to servo pump	M 14 x 1.5	30 (22)
Ring hose nipple for suction hose to servo pump	M 16 x 1.5	45 (33)

Torque Specifications - Rear Axle

Location	Thread	Tightening torque Nm (ftlb)
Bearing flange to transv. tube	M 10	46 (34)
Bearing flange to body	M 12 x 1.5	70 (52)
Thrust bearing to bearing flange	M 10	46 (34)
Thrust bearing to body	M 10	46 (34)
Support bearing to body	M 10	46 (34)
Support bearing to strut	M 8	23 (17)
Axle control arm to rear axle strut (locking nut camber eccentric)	M 12 x 1.5	90 (66)
Axle control arm to rear axle strut (locking nut)	M 12 x 1.5	103 (76)
Axle control arm to transverse tube	M 12 x 1.5	61 (45)
Vibration damper to body	M 12 x 1.5	61 (45)
Vibration damper to aluminium control arm	M 14 x 1.5	123 (91)
Adjusting lever to spring strut	M 16 x 1.5	245 (181)
Stabilizer suspension to rear axle strut and stabilizer	M 10	46 (34)
Stabilizer fastening clip to rear axle transverse tube	M 8	23 (17)
Wheel hub to rear wheel shaft	M 22 x 1.5	500 (369)

Torque Specifications - Rear Axle

Location	Thread	Tightening torque Nm (ftlb)
Universal shaft to transmission and rear wheel shaft	M 8	42 (31)
Cover plate to axle control arm	M 6	10 (7)
Brake caliper to axle control arm	M 12 x 1.5	85 (63)
Brake line to brake caliper and brake hose	M 10 x 1	12 (9)
Mounting bracket for brake line to axle control arm	M 6	10 (7)
Cable holder to control arm	M 6	10 (7)
Brake disk to wheel hub	M 6	5 (4)
Wheel to wheel hub	M 14 x 1.5	130 (96)

Technical Data – Front Axle, Steering, Rear Axle

Running Gear		968 RoW	968 USA	Sport running gear M 030
Front Axle				
Spring wire Ø	mm/in	11.58	11.58/0.46	=
Spring coil Ø	mm/in	94.4	94.4/3.72	=
Stabilizer Ø	mm/in	26.8	26.8/1.05	30/1.18
Steering				
Steering wheel Ø	mm/in	380 360 968 CS	380/14.96	
Steering wheel ratio		18.85 : 1	=	
Steering wheel turns		3.24	=	
Turning circle Ø	m/ft	10.75	10.75/35.27	
Rear Axle				
Torsion bar Ø	mm/in	25.5	25.5/1.0	=
Additional spring Ø	mm/in	–	–	9.5/0.37
Spring coil Ø	mm/in	–	–	120/4.72
Stabilizer Ø	mm/in	16	16/0.63	19/0.748 Manual transm. 18/0.71 Tiptronic

Wheel Alignment – Adjustment Values

The following values apply to curb weight in accordance with DIN 70020 (car with full fuel tank, spare wheel and tool kit).

Wheel alignment values

	Adjustment value and tolerance	Max. difference left to right
Front Axle		
Toe - unpressed	+ 10' ± 5'	
Toe difference angle at 20° lock	-40' bis - 1° 50'	may be affected only by replacement of steering arms
Camber	0° ± 10'	20'
Caster	3°15' + 0' – 45'	30'
Rear Axle		
Toe per wheel	+10' ± 10'	10'
Camber	-45' ± 20'	30'

Ride height and spring brace settings

Front axle			Height setting* Bottom bolt edge of rear trailing arm mount below wheel center
968 CS Sport-type running gear M030 (height-adjustable spring struts)			147 ± 10 mm
RoW			147 ± 10 mm
USA			127 ± 10 mm
Rear axle		Spring brace setting (Spring brace inclination)**	Height setting* Center of brace mount (torsion bar center) below wheel center
ALL 968 CS		14°	– 37 ± 10 mm
ALL 968 CS M 030		9°	– 37 ± 10 mm
RoW Coupé	Manual transm.	18°	– 17 ± 10 mm
	Tiptronic	18,5°	– 17 ± 10 mm
RoW Cabrio	Manual transm.	18,5°	– 17 ± 10 mm
	Tiptronic	20,5°	– 17 ± 10 mm
USA Coupé	Manual transm.	18,5°	– 17 ± 10 mm
	Tiptronic	18,5°	– 17 ± 10 mm
USA Cabrio	Manual transm.	19,5°	– 17 ± 10 mm
	Tiptronic	20,5°	– 17 ± 10 mm
RdW M 030	Manual transm.	10°	– 37 ± 10 mm
M 030	Tiptronic	11°	– 37 ± 10 mm
USA M 030	Manual transm.	14°	– 17 ± 10 mm
M 030	Tiptronic	15°	– 17 ± 10 mm

* max. ride height difference left to right: 10 mm
On U.S. vehicles, the bumper height is used as a reference. The distance from the measuring surface (road surface or any level surface) to the measuring point must be 543 ± 20 mm at the rear axle. At the front axle, the distance must be 611 ± 20 mm betragen.

** max. difference right to left: 0.5°

Torque Specifications - Mechanical Brake System

Location	Thread	Tightening torque Nm (ftlb)
Fillister head screw to clamping nut	M 7	13 + 3 (10 + 2)
Brake caliper to steering knuckle	M 12 x 1.5	85 (63)
Brake disk to front wheel hub	M 6	10 (7)
Cover plate to steering knuckle	M 7	10 (7)
Air deflector to spring strut	M 6	10 (7)
Spoiler to front-axle trailing arm	M 6	10 (7)
Wheel hub to rear wheel shaft	M 22 x 1.5	500 (369)
Mounting bracket for brake pipe to rear-axle trailing arm	M 6	10 (7)
Cable holder to rear-axle trailing arm	M 6	10 (7)
Cover plate to rear-axle trailing arm	M 6	10 (7)
Brake disk to rear wheel hub	M 6	5 (4)
Brake caliper to control arm	M 12 x 1.5	85 (63)
Handbrake lever to body	M 8	21 (15)
Brake cable to yoke	M 6	8.5 (6)
Handbrake cable to turn-buckle	M 6	8.5 (6)
Brake booster to intermediate piece	M 8	21 (15)

Torque Specifications - Mechanical Brake System

Location	Thread	Tightening Torque Nm (ftlb)
Intermediate piece to bulkhead	M 8	21 (15)
Fork head to brake push rod	M 10	35 (26)
Speed sensor to steering knuckle and rear-axle trailing arm	M 6	10 (7)

Torque Specifications - Hydraulic Brake System

Location	Thread	Tightening Torque Nm (ftlb)
Brake pressure line to brake master cylinder, brake hose, hydraulic unit, distributor and brake caliper	M 10 x 1	12 (9)
Brake power regulator to brake master cylinder or hydraulic unit	M 10 x 1	14 (10)
Brake hose to brake caliper	M 10 x 1	14 (10)
Bleed screw to fixed caliper	M 10	8-12 (6-9)
Brake master cylinder to brake booster	M 8	21 (15)
Brake booster to intermediate piece	M 8	21 (15)
Intermediate piece to bulkhead	M 8	21 (15)
Mounting bracket on rear axle control arm	M 6	10 (7)

Technical Data – Brake system

Designation	Remarks, dimensions	Wear limit
Operating brakes (foot brake)	Hydraulic dual-circuit brake system with front/rear axle circuit division (black/white), brake booster, vented brake discs with fixed caliper on front and rear axle. The pushrod brake circuit is allocated to the front wheels. 4 pistons per each fixed caliper.	
Brake booster (light weight built)	Ø 9 inch	
Boost coefficient	3.4	
Brake master cylinder (aluminum design) Ø in mm	23.81/20.64 mm	
Brake power regulator in rear axle circuit switchover pressure/ reduction coefficient	18 bar/046	
Brake discs Ø front	298 mm (304 mm)*	
rear	299 mm	
Effective brake disc dia front	245 mm (250.8)*	
rear	246 mm	

*968 with special running gear M 030. The brake disks are perforated.

Technical Data – Brake system

Designation	Remarks, dimensions	Wear limit
Piston dia. in brake caliper front, mm	2 x 36 + 2 x 40 (2 x 36 + 2 x 44)*	
rear mm	2 x 28 + 2 x 30	
Brake pad thickness		
front	13 mm	2 mm
rear	13 mm	2 mm
Brake pad are each front wheel	86 cm^2 (126 cm^2)*	
Brake pad are each rear wheel	86 cm^2	
Total brake pad area	344 cm^2 (424 cm^2)*	
Brake pad thickness, new		
front	28 mm (32 mm)*	
rear	24 mm	
Min. brake disc thickness** after refacing		
front	26.6 mm (30.6 mm)	26 mm (30 mm)*
rear	22.6 mm	22 mm
Tolerance of thickness of brake disc max.	0.02 mm	

* 968 with special running gear M 030

** The brake disc may only be machined symmetrically, i.e. in a uniform manner on both sides

Technical Data – Brake system

Designation	Remarks, dimensions	Wear limit
Lateral runout of brake disc max.	0.05 mm	
Lateral runout of fitted brake disc max.	0.1 mm	
Lateral runout of wheel hub max.	0.05 mm	
Surface roughness of brake disc after machining max.	0.006 mm	
Play at brake pedal with brakes bled and engine standing still	approx. 10 mm	
Parking brake (hand brake)	Drum brake, with mechanical action on both rear wheels	
Parking brake drum dia	180 mm	181 mm
Brake shoe width	25 mm	
Brake lining area (each wheel)	85 cm^2	
Brake lining thickness	4.5 mm	2 mm

Tire condition/tire pressure

Tires represent safety elements which can only meet the requirements made of them if inflation pressure is correct and if tread depth is sufficient.

The inflation pressures quoted here are minimum pressures. Lower pressures must on no account be used, since they not only diminish handling quality but may also lead to serious tire damage.

Valve caps protect the valve from dust and dirt, and therefore also from leaks. Always tighten caps properly and replace missing caps.

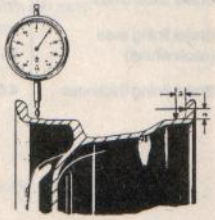
For safety reasons, a check of the tire pressure should also be accompanied by a check to ensure that tread depth is sufficient, that no foreign bodies are embedded in the tire, and that there are no cuts, tears or bumps on the tire's sidewall (breakage of webbing).

Tire pressure for cold tires (approx. 20° C) (16" and 17" summer and winter tires)

front	2,5 bar overpressure
rear	2,5 bar overpressure
Folding spare tire	
front/rear	2,5 bar overpressure

Checking Rims

Points for measuring vertical and lateral runout on outer and inner rim shoulders.
Dimension "a" = 8 mm
Max. permissible vertical and lateral runout = 1.0 mm



Note
Straightening twisted rims is not permissible

Technical Data - Air Conditioning

Model 92	
Refrigerant volume	950 g R12
Refrigerant oil in compressor	80 cm^3 ± 20 cm^3 Densoil
from Model 93	
Refrigerant volume	860 g R134a
Refrigerant oil in compressor	120 cm^3 ± 20 cm^3 PAG oil

Torque Specifications

Location	Designation	Thread	Tightening torque Nm (ftlb)
Compressor	Hexagon screw	M 8	28 (21)
Evaporator	Hexagon screw	M 6	6 (4)
Fluid tank	Union nut	5/8" x 18 UNF	17 (13)
Condenser inlet	Union nut	11/16" x 14 UNF	44 (32)
Condenser outlet	Union nut	5/8" x 18 UNF	17 (13)

Electrical System

The fuse and relay assignment plan is on the inside of the Central Electrical Compartment cover.

Dimensions

Type		968	968 CS
Model year		**92/93**	**93**
Wheelbase	mm/in	2400/94.49	
Track width front	mm/in	1472/58.2, with 7 J x 16 rim	1457/57.7 with 7.5 J x 17 rim
Track width rear	mm/in	1450/57.1 with 8 J x 16 rim	1445/57.0 with 9 J x 17 rim
Length	mm/in	4320/170.1	
Width	mm/in	1735/68.31	
Height (at curb weight to DIN)	mm/in	1275/50.20	1255/49.4
Ground clearance	mm/in	125/4.92	
Turning circle	m/ft	approx. 10.75/35.27	
Overhang angle at perm. max. weight			
front		14.5°	
rear		15.5°	

Performance data (at DIN curb weight and half payload

Type		968	968	968 CS
Model year		**92/93**	**92/93**	**93**
		Manual transmission	**Tiptronic**	**Manual transmission**
Maximum speed				
km/h		252	247	252
mph		156	153	156
Acceleration 0...100 km/h	s	6.5	7.9	6.5
Kilometer from standing start	s	26.6	27.7	26.6
1/4 mile from standing start	s	14.7	15.6	14.7

Weights

Type Model year	968 1992 Coupé Manual transmission		968 1992 Coupé Tiptronic	
	RoW	USA	RoW	USA
Curb weight to DIN	kg 1370	kg/lbs 1400/3086	kg 1400	kg/lbs 1430/3152
Perm. total weight	kg 1700	kg/lbs 1690/3726	kg 1730	kg/lbs 1720/3792
Perm. axle load front*	kg 820	kg/lbs 820/1807	kg 820	kg/lbs 820/1807
Perm. axle load rear*	kg 990	kg/lbs 990/2182	kg 990	kg/lbs 990/2182
Perm. trailer load unbraked**	kg 500		kg 500	
Perm. trailer load braked**	kg 1200		kg 1200	
Perm. roof load*	kg 35	kg/lbs 35/ 77	kg 35	kg/lbs 35/ 77
with Porsche roof transport system	kg 75	kg/lbs 75/ 165	kg 75	kg/lbs 75/165
Perm. drawbar load	kg 50		kg 50	
Perm. towing weight	kg 2900		kg 2930	

* The perm. total weight must not however be exceeded.
** Up to 16 % incline

Weights

Type Model year	968 1992 Cabriolet Manual transmission		968 1992 Cabriolet Tiptronic	
	RoW	USA	RoW	USA
Curb weight to DIN	kg 1440	kg/lbs 1470/3240	kg 1470	kg/lbs 1500/3306
Perm. total weight	kg 1760	kg/lbs 1650/3637	kg 1790	kg/lbs 1680/3704
Perm. axle load front*	kg 820	kg/lbs 820/1807	kg 820	kg/lbs 820/1807
Perm. axle load rear*	kg 990	kg/lbs 990/2182	kg 990	kg/lbs 990/2182
Perm. trailer load unbraked**	kg –		kg –	
Perm. trailer load braked**	kg –		kg –	
Perm roof load*	kg –	kg/lbs –	kg –	kg/lbs –
with trailer hitch on luggage compartment lid Cabriolet	kg 35	kg/lbs 35/ 77	kg 35	kg/lbs 35/77
Perm. drawbar load	kg –		kg –	
Perm. towing weight	kg –		kg –	

* The perm. total weight must not however be exceeded.
** Up to 16 % incline

Weights

Type Model year	968/968 CS 1993 Coupé Manual transmission				968 1993 Coupé Tiptronic			
	RoW		USA		RoW		USA	
Curb weight to DIN	kg 1370 1320/968 CS		kg/lbs 1400/3086		kg 1400		kg/lbs 1430/3152	
Perm. total weight	kg 1730 1570/968 CS		kg/lbs 1720/3792		kg 1760		kg/lbs 1750/3858	
Perm. axle load front*	kg 830		kg/lbs 830/1829		kg 830		kg/lbs 830/1829	
Perm. axle load rear*	kg 990		kg/lbs 990/2182		kg 990		kg/lbs 990/2182	
Perm. trailer load unbraked**	kg 500				kg 500			
Perm. trailer load braked**	kg 1200				kg 1200			
Perm. roof load* with Porsche roof transport system	kg 35 kg 75		kg/lbs 35/ 77 kg/lbs 75/ 165		kg 35 kg 75		kg/lbs 35/ 77 kg/lbs 75/165	
Perm. drawbar load	kg 50				kg 50			
Perm. towing weight	kg 2930				kg 2960			

* The perm. total weight must not however be exceeded.
** Up to 16 % incline

Weights

Type Model year	968 1993 Cabriolet Manual transmission				968 1993 Cabriolet Tiptronic			
	RoW		USA		RoW		USA	
Curb weight to DIN	kg 1440		kg/lbs 1470/3240		kg 1470		kg/lbs 1500/3306	
Perm. total weight	kg 1790		kg/lbs 1680/3704		kg 1820		kg/lbs 1710/3770	
Perm. axle load front*	kg 830		kg/lbs 830/1829		kg 830		kg/lbs 830/1829	
Perm. axle load rear*	kg 990		kg/lbs 990/2182		kg 990		kg/lbs 990/2182	
Perm. trailer load unbraked**	kg –				kg –			
Perm. trailer load braked**	kg –				kg –			
Perm. roof load* with trailer hitch on luggage compartment lid Cabriolet	kg – kg 35		kg/lbs – kg/lbs 35/ 77		kg – kg 35		kg/lbs – kg/lbs 35/77	
Perm. drawbar load	kg –				kg –			
Perm. towing weight	kg –				kg –			

* The perm. total weight must not however be exceeded.
** Up to 16 % incline

Filling capacities

Engine oil specification	API SG (US specification), or CCMC G4 or G5 (European specification). Multigrade oils see works approval, Technical Information bulletins for engine oils
Engine oil volume	Approx. 6.5 l, (measurement with oil dipstick is decisive criterion). Difference between "Min." and "Max." marks on dipstick = approx. 1.5 l.
Cooling system inc. heating	Approx. 8.0 l coolant, factory filling gives frost protection to -30°C (Scandinavian countries to -40°C). Only use antifreeze and corrosion inhibitors which are suitable for light-alloy engines and radiators.
Power steering	approx. 0.6 l hydraulic fluid ATF (only Dexron II D)
Fuel tank	approx. 74 l, incl. 8 l reserve
Brake fluid tank	approx. 0.2 l brake fluid in accordance with SAE J 1703, DOT4 (as of mod. 93 genuine Porsche brake fluid)
Windshield washer system with headlamp cleaning system	approx. 6.5 l
Manual transmission with differential	Volume approx. 2.75 l hypoid gear oil SAE 75 W 90 API classification GL 5 (or MIL-L 2105 B)
Tiptronic transmission with torque converter	Volume approx. 7.0 l Oil-change volume with torque converter approx. 3.0 l ATF-Dexron II D
Final drive	Volume approx. 0.7 l hypoid gear oil SAE 75 W 90 API classification GL 5 (MIL-L 2105 B), alternatively SAE 90