

Intermeccanica ROADSTER, Speedster and Kubelwagen

Service & maintenance information

The following information reflects the most common equipment and components, as well as specifications, found on Intermeccanica products

Engine:

Ignition - Bosch 009 mechanical advance
Cap Bosch 1 235 522 056
Rotor Bosch 1 234 332 215
Points Bosch 1 237 013 044
Condenser Bosch 1 237 330 342

Spark plugs – (standard old style, short reach) Bosch W8 AC
(1600 cc new style head, long reach) Bosch W7DC
or NGK BP5ES-A
(2110 cc C.B. Performance 044 head, old style) Bosch W8CC
long reach
(2110 cc C.B. Performance 044 head, new style)
NGK DP8EA-9, long reach, small

Static timing 8 – 12 deg. BTDC at idle
Dynamic timing 28 - 32 deg. BTDC maximum

Carburation : 1600 cc base engine – dual single Solex 32 mm
or dual single Solex 40 mm (Kadrone)
Contact EMPI for above Solex parts – 1-800-666-3674
1600 cc Super 90" engine – dual twin choke DRLA Dellorto
or dual twin choke 40 mm IDF Weber
2100 cc engine – dual twin choke DRLA Dellorto 36, 40,
45 mm
or dual twin choke IDF Weber 40, 44 mm
For Weber parts contact Redline/Worldpac 1-800-733-2277
For Dellorto/Weber parts contact CB Performance
1-800-274- 8337

K + N reusable air filter Intermeccanica custom water shields
Due to evolving jetting no standard specifications are available.

Fuel filter – Bosch F 5030 front mounted

Oil - non-hydraulic valvelifter engines
20W-50 summer, 10W-40 winter
hydraulic valve lifter engines
SAE 40

Oil filter – 2100 cc and 1600 cc hydraulic - VW PN 021-115-351, Mann
056-115-5616

Oil capacity – 1600 cc, 2100 cc no sump, no filter 3.0 lt
1600 cc, 2100 cc no sump, with filter 3.5 lt
1600 cc, 2100 cc with sump and filter 4.0 – 4.5 lt
2100 cc with sump, filter and remote cooler
5.0 –5.5 lt

(Always recheck after first full warm-up, always clean strainer under
central sump cover, do **not** overfill)

Valve clearance – 1600 cc, 2100 cc (aluminum push rods) .004" intake,
.006" exhaust cold
2100 cc (steel push rods) .002" intake, .003" exhaust cold
1600 cc, 2100 cc hydraulic lifters (no adjustment) basic
setting $\frac{3}{4}$ - 1 turn in

Transaxle fluid – GL-4 2.5 lt.

Brake fluid – DOT 3 (recommended Wagner)

Brake components: master cylinder VW T1, VW PN 113 611 015BD
master cylinder switch VW T1, VW PN 113 945 515G
front: VW Type III rotor, VW PN 113 407 075
VW Type III caliper, VW PN 311 615 107/108BR
disc brake pad no: D56/D111M (2 pin type)
outer bearing, VW PN 311 405 645
inner bearing, VW PN 311 405 625B
seal VW PN 111 405 641B
Rear: VW T1 drum, VW PN 113 501 615 JEC
VW T1 shoe # 315
VW T1 wheel cylinder VW PN 113 611 053BR
or
Porsche 914 rotor, Porsche PN 914 352 401 10
Caliper/pad Porsche 914/VW Golf

Suspension and steering

Front: VW T1 66 – 72, standard ball joint type

Steering gear VW PN 113 415 061C

Tie-rod long RT VW PN 131 415 802E

Tie-rod short LT VW PN 131 415 801F

Steering damper VW PN 113 425 021 BR

Shock absorbers Monroe 3-2022

Rear: VW T 1 IRS 68 – 79,

Bearing outer VW PN 113 501 277A

Bearing inner VW PN 113 501 283

Seal inner VW PN 113 501 315H

Seal kit outer VW PN 111-598 015A

Shock absorber 1600 cc KYB GR2 - 97 1009 0

2100 cc KYG Gas-a-Just - 97 1013 0

Wheels & Tires – 5.5 inch x 15 inch

Tires – 165 SR 15 radial

or

5.5 inch x 15 inch front

tires 195/60 – 15 radial or 185/65 – 15 radial

7.0 inches x 15 inches rear

tires 195/60 – 15 radial or 205/60 – 15 radial

Tire pressure cold front – 24 psi

rear - 31 psi