

**Inj. and ignition system Digifant 3.0/3.2**

**Visual check**

- ◆ Vacuum hoses connected
- ◆ Crankcase breather connected
- ◆ Lambda probe connected
- ◆ Electrical wiring for the mixture preparation and ignition systems connected
- ◆ Activated charcoal filter system wiring connected
- ◆ Exhaust system must be free of leaks
- ◆ Catalyst fitted and not damaged
- ◆ Reduced diameter tank filler neck fitted

**Test conditions**

- Electrical consumers switched off.
- Throttle valve switch (idling switch) switched on.
- Air conditioner switched off.
- Throttle cable adjustment OK.

**For repairs only:**

- Crankcase breather hose pulled off and routed so that only fresh air can be drawn in.
- Radiator fan must not run.
- For checking the ignition timing control unit with V.A.G 1551 set in function 1/2basic setting», display group 00.

**Notes**

- Only check idling speed, ignition timing and CO content (Not adjustable).
- Work sequence > Maintenance or Workshop Manual

**For repairs only:**

- Before the check/adjustment the fault memory must always be interrogated.

**Test figures for emission check**

Engine oil temperature.....	min. 80 °C
Idling speed .....	775 . . . 875 rpm
Increased idling speed.....	2500 . . . 2800 rpm
Ignition timing.....	Cannot be tested
CO content at idling .....	max. 0,5 Vol. %
CO content at increased idling.....	max. 0,3 Vol. %
Lambda at increased idling speed.....	0,97 . . . 1,03
Catalyst warm-up time .....	2 Minute(s)
Lambda control circuit check .....	Level of malfunction switching on/off > Maintenance
Test speed.....	675 . . . 975 rpm
DELTA-Lambda.....	min. 0,02

**Bar code for emission testing**



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**Engine oil capacities**

With filter change..... 4,3 ltrs.

**Spark plugs**

VW/Audi.....	101 000 035 AE;	101 000 045 AA
!	101 000 016 AA 2)	
Manufacturers' designations.....	BK 7 EKU	C 6 VPYC
!	F5 DPO R 2)	
Electrode gap.....	max. 0,8 mm 1)	0,8 . . . 0,9 mm
Tightening torque.....	30 Nm	30 Nm
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Change interval.....	30 000 km	60 000 km
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1) Gap between earth electrodes and centre electrode  
2) Spark plug gap 0,6 . . . 0,7 mm

**Test and adjustment figures for repairs**

Engine oil temperature.....	min. 80 °C
Idling speed	
Test value .....	775 . . . 875 rpm

Ignition timing

Test value ..... 3 . . . 9° before TDC fluctuating

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Vehicles with CO sampling pipe only

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CO content

Test value ..... 0,3 . . . 1,2 Vol. % 2)

2) Measured on CO measuring pipe.