

**CALIBRATION DATA CHART 5985d****INJECTION ASSORTMENT PP4M10P1f - 3475****FOR ENGINE: D 245.12**

The mentioned values are for MOTORPAL Test Equipment only

30.07.2010

- A:
1. Direction of rotation RIGHT
  2. Beginning of delivery 4,0 +-0,05 mm od/from DMP
  3. Injection order 1-3-4-2
  4. Tolerance zone 60'
  5. Angular division 0-90-180-270

**Adjusting pictures: S515***Testing liquid ISO 4113 (Shell S.9365).*

- B:
1. Injection nozzles BOSCH 1688901988
  2. Injectors 1688901111
  3. Opening pressure 14,7 MPa
  4. High pressure pipes 6x2x750 mm
  5. Overpressure valve 110-150 KPa
  6. Temp. of test. liquid ISO 4113 (Shell) 40 °C

C:	Adjusting operation	Revolutions / min	No. of strokes	Delivery Q (ccm)	Difference (ccm)	Notice	Angle
1	Fuel delivery max.	1200	200	19,3-19,9	0,8	1a*, 1b*	
2	Beginning of STOPPING	1230-1240				2*	
3	S T O P	max. 1345		0		3*	
4	Aut.START del.end	420-450				4*	
5	Fuel delivery checking	800	200	20,8-21,6	1,0		
6	Fuel delivery checking	550	200	19,1-20,1	1,0		
7	Start fuel delivery	100	50	7,5-8,5	0,8	7*	
8	Insert B.P.C. into oper.					8*	
9	Adj.B.P.C.stop-screw.	550	200	13,9-14,9	1,2	9* p=0,000 MPa	
10	B.P.C.spring setting	550	200	+ 1,4-2,2		10* p=0,020 MPa, Q9<Q10	
11	Idle-speed del.STOP check.	400	300	6,0-6,5	1,0	5*,5a* p=0,000 MPa	
12	Fuel delivery checking	350	200	min. 7,5			
13	Idle-speed STOP	max. 490		0			
14	Op.No.1 and STOP checking	1200	200	19,3-19,9	0,8	1c* p=0,050 MPa	