

## 28. Ignition system

### General

Firing order ..... 1-3-4-2, (No 1 cylinder at flywheel end)

Engine	System	Ignition timing at		Remarks
		r/min ( $\pm 3^\circ$ ) 800	2500	
B18K(D)	Bendix F3A 418	6	10	'90 '91-  $\pm 67$ kPa depression
B18KP(D)	Bendix F3A 417	6	19	
B18KP(D)	Bendix F3A 419	6	19	
B18EP	Fenix F3B	12	-	
B18FP	Fenix F3B	8	-	
B20F-B20F(M)	Fenix F3B	8	48	
B16F	Fenix F3B	8	31	
B18F	Bendix F3A 416	8	35	
B18U-B18U(M)	Fenix F3B	10	-	
B18FT	Bosch EZ 210 k	-	-	
B18FT(M)	Bosch EZ 210 k	-	-	
B18E,E(D)	Fenix 3.2	8	-	
B18E,E(D)	Fenix 1	-	-	
	ECU: 40-43-..	Sensorcable: black/yellow		
	05 06 43 44 ..	16/12	-/-	
	07 44 .....	12/ n/a	-/-	
	Others .....	12/8	-/-	

## Ignition coil

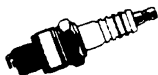
	Others	B18FT(M)
Resistance:		
- primary windings, between terminals 9 and 10 . . . . . Ohms	0.4-0.8	0.72
- secondary winding, between the HT connection and terminals 9 and 11 . . . k.Ohms	3.5-6.5	7.7

### Flywheel sensor

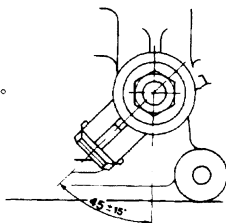
Internal resistance . . . . . Ohms	220±60
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### Knock sensor

Resistance . . . . . MOhms	> 1
Knock sensor position . . . . .	45° ± 15°



16 001



## Spark plugs

	Service (set number)	Electrode gap
B16F, B18K/K(D)/KP/KPD/F/U/U(M)/EP/FP . . . . .	3344473-8	0.8 <sup>+0.1</sup> mm
B18E/FT/FTM, B20F, B20F(M) . . . . .	3344899-4	0.8 <sup>+0.1</sup> mm

## Oil temperature switch ignition

(if fitted)

	B18KP, B18KP(D)
Ignition adjustment . . . . . max	10°
Conditions for ignition adjustment:	
- oil temperature . . . . . °C	<15 or >70
- engine speed . . . . . r/min	>1200 or <5300
- Depression . . . . . Bar	>0.4

Testing the oil temperature sensor

Resistance between sensor body and terminal pin:

- temperature between 15°C - 70°C . . . ohms	∞
- temperature <15°C or >70°C . . . . . ohms	0

## Tightening torques

	Nm
Spark plugs . . . . .	20-25
Oil temperature switch . . . . .	25
Knock sensor . . . . .	17
Flywheel sensor . . . . .	10