IGNITION

IGNITION COIL (Specific for petrol engines)

	1351	1596 ▲ 1712 16V	T. SPARK 16V
Resistance of primary winding	550 mΩ ± 10% (*)	0.5 Ω (*)	0.3 Ω ± 12%
Resistance of secondary winding	7.4 kΩ ± 10% (*)	13.3 kΩ (*)	7 kΩ ± 12%

(*): At a temperature of 23°C ± 5°C
(▲): Only for MP3.1

SPARKING PLUGS (Specific for petrol engines)

	1351 1596	1712 16V	T. SPARK 16V
Type	GOLDEN LODGE 25HL	NGH PFR 6B	NGK PFR6B + NGK PMR7A (*) [NGK BKR6EKPA + NGK PMR7A (*)]

(*): On each cylinder there are two different plugs, one per type
[ ]: Alternative solution

PREHEATING GLOW PLUGS (Specific for Turbodiesel engines)

	1929 TD	1910 JTD
Nominal voltage	11 V	-
Bulb's temperature within 7 secs.	≥ 850°C	-
Absorption within 7 secs.	14 ± 1.5 A	-
Bulb's temperature after 30 secs.	≤ 1140°C	-
Internal resistance at 20°C	-	0.6 Ω

STARTING

STARTING MOTOR (Specific for Boxer engines)

		1351 1596			1712 16V
		BOSCH	MAGNETI MARELLI	DEM	BOSCH
Nominal voltage (V)		12	12	12	12
Nominal power (kW)		0.8	0.9	0.5	1.1
Full load test	Voltage(V)	9	9.8	10	9
	Absorption (A)	300	215	200	290
	Revs.(revs/min)	1450	1800	≥ 1450	1700
	Torque (Nm)	5.5	5	5	6
Loadless test	Voltage (V)	12	-	-	12
	Absorption (A)	30	-	-	70
	Revs.(revs/min)	5000	-	-	3000
Test in short circuit	Voltage(V)	5	8	8	-
	Absorption (A)	400	400	380	-
	Torque (Nm)	5.5	12	≥ 11.3	-

STARTING MOTOR (Specific for T. Spark 16V engines)

		1970 T. SPARK 16V	1370 T. SPARK 16V	1598 T. SPARK 16V	1747 T. SPARK 16V
		MAGNETI MARELLI	MAGNETI MARELLI		
Nominal voltage (V)		12	12		
Nominal power (kW)		1.4 (*)	1.4 (*)		
Full load test	Voltage (V)	8.2	7 ± 0.1		
	Absorption (A)	400	325		
	Revs. (revs/min)	1330	1020		
	Torque(Nm)	11	> 10.7		
Loadless test	Volatge (V)	11.3	12 ± 0.1		
	Absorption (A)	95	< 90		
	Revs.(revs/min)	6000	> 4500		
Test in short circuit	Voltage (V)	4.4	4 ± 0.1		
	Absorption (A)	800	< 750		
	Torque(Nm)	25.5	> 21.5		

(*): 1.1 kW for BOSCH M70 R.

STARTING MOTOR (Specific for Turbodiesel engines)

		MARELLI	BOSCH
Nominal voltage		12 V	
Nominal power		2.2 kW	
Full load test	Voltage	7.9 V	-
	Absorption	600 A	-
	Revolutions	1400 revs/min	-
	Torque	16 Nm	-
Loadless test	Voltage	-	-
	Absorption	-	-
	Revolutions	-	-
Test in short circuit	Volatge	4.4 ÷ 4.6 V	4 V
	Absorption	1110 ÷ 1150 A	1200 A
	Torque	≥ 39 Nm	≥ 40 Nm

RECHARGE

BATTERY

	Boxer Engines		Turbodiesel Engines	T. Spark 16V Engines	
	Non-conditioned cars	Conditioned cars		Non-conditioned cars	Conditioned cars
Nominal voltage	12 V	12 V	12 V	12 V	12 V
Capacity (20 ore)	45 A/h	60 A/h	60 A/h	45 A/h	50 A/h 60 A/h (*)

(*): For Versions/Markets if envisaged

ALTERNATOR

	Boxer Engines	Turbodiesel Engines		T. Spark 16V Engines	
		Non-conditioned cars	Conditioned cars	Non-conditioned cars	Conditioned cars
Nominal voltage	14 V	14 V	14 V	14 V	14 V
Nominal current	80 A	70 A 85 A (*)	90A 100 A (*)	75 A	85 A
Maximum continous speed	-	15000 revs/min	15000 revs/min	18000 revs/min	18000 revs/min
Resistance to inductive Winding (measured Between the manifold's rings at a temperature of 25°C)	-	2.83 ± 0.28 Ω	2.6 ± 0.15 Ω	2.6 ± 5% Ω	2.6 ± 5% Ω

(*): Specific for 1910 JTD version

WHITE