

PUNTO eMANUAL






Summary & Preface

Title	Page
Introduction	1 ➡

3M02SV

SERVICE MANUAL COMPOSITION

At present, September 1998 the **Punto 2nd volume** manual is composed of the following booklets:

Print N°	Sections	Page Nos.	Versions	Comments
506.003/01 With binder (VII/93)	50	1 ÷ 80	All versions	Heater - Climate control
	55	1 ÷ 120	All versions	Electrical equipment
		1 ÷ 49	All versions	Wiring diagrams
	70	1 ÷ 156	All versions	Removing and refitting - Replacing body panels
506.003/03 (IX/93)	55 - 70	20	All versions	I.S. 09/93
506.003/02 (II/94)	55	1 ÷ 5	 MPI	Wiring diagrams
	00	1 ÷ 19	Punto Cabrio  SPI  MPI	Introduction-Technical data
	55	1 ÷ 15		Electrical equip. - Wiring diagrams
	70	1 ÷ 88		Removing and refitting
506.003/06 (III/94)	00	1 ÷ 22	Punto Selecta	Introduction-Technical data
	21-27	1 ÷ 64		Description and operation Removing-refitting
	55	1		Wiring diagram
506.003/05 (III/94)	55	7	All versions	I.S. 01/94
506.003/07 (IV/94)	50	81 ÷ 94	 turbo	Climate control
506.003/08 (V/94)	50	4	All versions	Climate control
	55	index 8	All versions	Electrical equipment
		121 ÷ 129	 TD	Pre-heating control unit
		index 37 ÷ 42	All versions	Electrical equip. - Wiring diagrams
	70	index 4	All versions	Body panels
		157 ÷ 162	All versions	Sun roof

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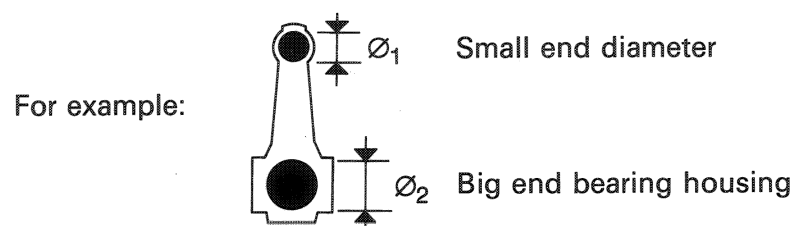
This manual contains the main instructions for repairing and maintaining the **Punto**

The section **INTRODUCTION AND TECHNICAL DATA (00.)** has the dual function of introducing the model and supporting the remaining part of the manual. This section includes the tables of technical data and specific information relating to the sections in the remaining part of the manual.

The remaining sections (10. - 18. etc.) include the descriptions of the repair operations.

In this manual graphic representations and symbols are used in place of descriptions of mechanical components, operations and repair methods.

The use of colour for a component or part of one, serves to draw the operator's attention to the object to be measured or checked.



Tighten to torque

ENGINES Section 10 contains the operations of removing-refitting the power units, operations on the vehicle and the various fuel, lubrication and coolings systems for each engine.

The procedure for overhauling the engines is published in separate booklets under the following print numbers:

1108 SPI - 1242 SPI	504.589/13
1242 MPI	504.589/16
1581 MPI-1372 turbo	504.589/06
1698 TD	504.593/09

GEARBOXES Section 21-27 illustrates the operations of removing/refitting the various gearboxes. The procedure of overhauling the manual gearboxes at the bench is published in separate booklets under the following print numbers:

Gearbox for engines 1108 SPI - 1242 SPI - 1242 MPI - 1581 MPI:	505.023/08
Gearbox for engine 1108 SPI (6 speed):	505.023/09
Gearbox for engines 1372 turbo - 1698 TD:	505.023/03

THIS PUBLICATION HAS BEEN PRODUCED IN A LOOSE LEAF FORMAT TO FACILITATE THE OPERATION OF UPDATING THE MODEL.

Where the symbol for the 1697 engine appears  it should read 1698 engine 

The **Punto** is a two box saloon, with a load carrying structure, transversely mounted engine and front wheel drive.

The **Punto** is produced with 7 different engines:

The **Punto 55** is powered by an 1108 cc 4 cylinder in line engine with SPI Weber-Marelli IAW integrated electronic injection/ignition and develops a power output of 40 kW (55 CV DIN) (bhp).

The **Punto 60** is powered by a 1242 cc 4 cylinder in line engine with SPI Weber-Marelli IAW integrated electronic injection/ignition and develops a power output of 43 kW (60 CV DIN) (bhp).

The **Punto 75** is powered by a 1242 cc 4 cylinder in line engine with MPI Weber-Marelli IAW integrated electronic injection/ignition and develops a power output of 54 kW (75 CV DIN) (bhp).

The **Punto 90** is powered by a 1581 cc 4 cylinder in line engine with MPI G.M. integrated electronic injection/ignition and develops a power output of 65 kW (90 CV DIN) (bhp).













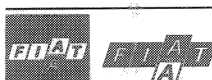



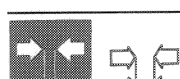

The **Punto GT** is powered by a 1372 cc 4 cylinder in line engine with MPI Bosch Motronic M 2.7 integrated electronic injection/ignition, supercharged by an IHI VL 7 turbocharger and develops a power output of 98 kW (136 CV DIN) (bhp).




















The **Punto TD ECE 08** is powered by a 1698 cc 4 cylinder in line Diesel engine with indirect injection supercharged by a Garrett T2 turbocharger and develops a power output of 52 kW (72 CV DIN) (bhp).

The **Punto TD USA 87** is powered by a 1698 cc 4 cylinder in line Diesel engine with indirect injection supercharged by a Garrett T2 turbocharger with an oxidizing catalyzer and exhaust gas recirculation system (EGR) and develops a power output of 51 kW (70 CV DIN) (bhp).

The **Punto Cabrio** is available in 2 versions.

- **Punto Cabrio 60** and **Punto Cabrio 90** which are equipped with the same engines as the **Punto Saloon**
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	Remove Disconnect
	Refit Connect
	Disassemble Dismantle
	Assemble Reassemble
	Tighten to torque
	Tighten to torque plus angle
	Tighten fully
	Stake nut
	Setting Adjustment
	Visual check Check
	Warning
	Lubricate Moisten
	Replace Genuine parts
	Bleed braking system
	Surface to be machined After machining
	Interference Force fit
	Dimension to be measured Measurement - Check Thickness - Clearance
	Rolling torque

	Inlet
	Exhaust
	Operation
	Tolerance Weight difference
	Preload
	Rotation
	Compression ratio
	Selection Classes
	Oversized O/sized to ... Maximum
	Undersized U/sized to ... Minimum
	Rpm
	Ratio
	Pressure
	Temperature
	Temperature < 0°C Cold Winter
	Temperature > 0°C Hot Summer
	Windscreen wiper with windscreen washer pump
	Rear window wiper with rear window washer pump
	Engine