TECHNICAL NOTE BLUE
EDITION ANGLAISE

JUNE 2003
77 11 314 402

4324A
Service 00429

LAGUNA II
ESPACE
ESPACE IV
VEL SATIS
AVANTIME

See list on next page

fitted with G9T 702 - 710 - 712 - 742 engine

13B **TDC SENSOR**
OTS: 0A99 **MARK.: A5**

Other sub-section concerned: **999**

- Engine: **G9T 702 - 710 - 712 - 742**
- Gearbox: **XXX**

Basic manual: **XXX**

**The vehicle cut-offs are given as guidelines only,
before starting any work, it is ESSENTIAL to check that the vehicle is affected by OTS 0A99**

- **Countries with PG&CS**

Network with ICM:	Refer to the list of OTS operations to be carried out in ICM.
Network without ICM:	If square **A5** on the blue marking label is not checked, and if the vehicle **is fitted with a G9T engine listed in the table on the following page**, contact your primary network to check in ICM.

- **Countries without PG&CS**

All networks:	If square **A5** is not checked on the blue marking label, and if the vehicle **is fitted with a G9T engine listed in the table on the following page**, the vehicle is affected.

LIST OF VEHICLES LIKELY TO BE AFFECTED

Vehicle	Type	from	to
LAGUNA II	BG0 F	S 098430	S 490246
ESPACE	JE0 K	K 002148	K 004528
		T 025725	T 999045
	JE0 S	K 004248	K 008343
		T 008847	T 089762
ESPACE IV	JK0 H	S 000037	S 017950
	KG0 F	S 048768	S 380123

Vehicle	Type	from	to
VEL SATIS	BJ0 E	S 011263	S 032905
	BJ0 F	S 000010	S 012201
	BJ0 G	S 000001	S 011701
	BJ0 M	S 011441	S 032906
AVANTIME	DE0 1	T 000001	T 001806

LIST OF ENGINES AFFECTED FOR THE AVANTIME

Engine	Suffix	from	to
G9T	712	C000001	C001503

TECHNICAL INFORMATION

Preventive operation
– Replace the TDC sensor, its mounting clip and the connector on the engine wiring harness.

Objective
– To prevent immobilisation of the vehicle.

Description of the operation
– Remove the engine undertray.
– Replace the TDC sensor (A) and its mounting clip (B) **(Fig. 1)**.
IMPORTANT: the TDC sensor should slide freely in the clip when it is fitted.
– The TDC sensor **MUST** butt up to the flywheel (1) **(Fig. 1)**.

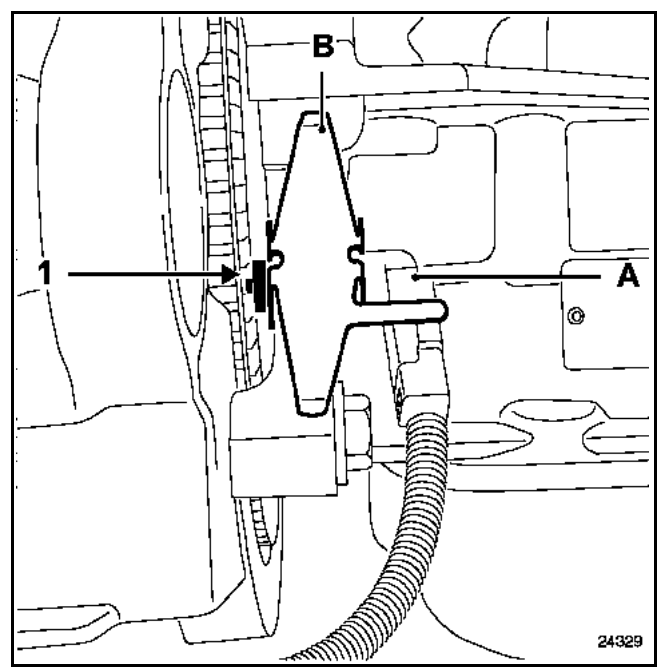

Fig. 1

A – TDC sensor
B – Mounting clip
1 – Contact between the flywheel and the TDC sensor

– Replace the TDC sensor connector on the engine harness:
  – Remove the annealed sheath from the TDC connector wiring harness.
  – Cut the wire of track no. 1 at **120 mm** (2) **(Fig. 2)** from the rear of the TDC sensor connector.
  – Cut the wire of track no. 2 at **160 mm** (3) **(Fig. 2)** from the rear of the TDC sensor connector.

  IMPORTANT: track allocations MUST be adhered to.
  – Reconnect the sleeves of the new connector to the engine harness with a crimping tool.
  – Shrink the sleeves with a hot air gun.
  – Refit the annealed sheath.
– Reconnect the connector to the TDC sensor.
– Refit the engine undertray.

Marking the vehicle after work has been carried out

– Affix a blue label, **Part No.: 49 39 031 070**, to the driver's side front shock absorber turret.
  Mark a cross in square **A5** using a marker pen.

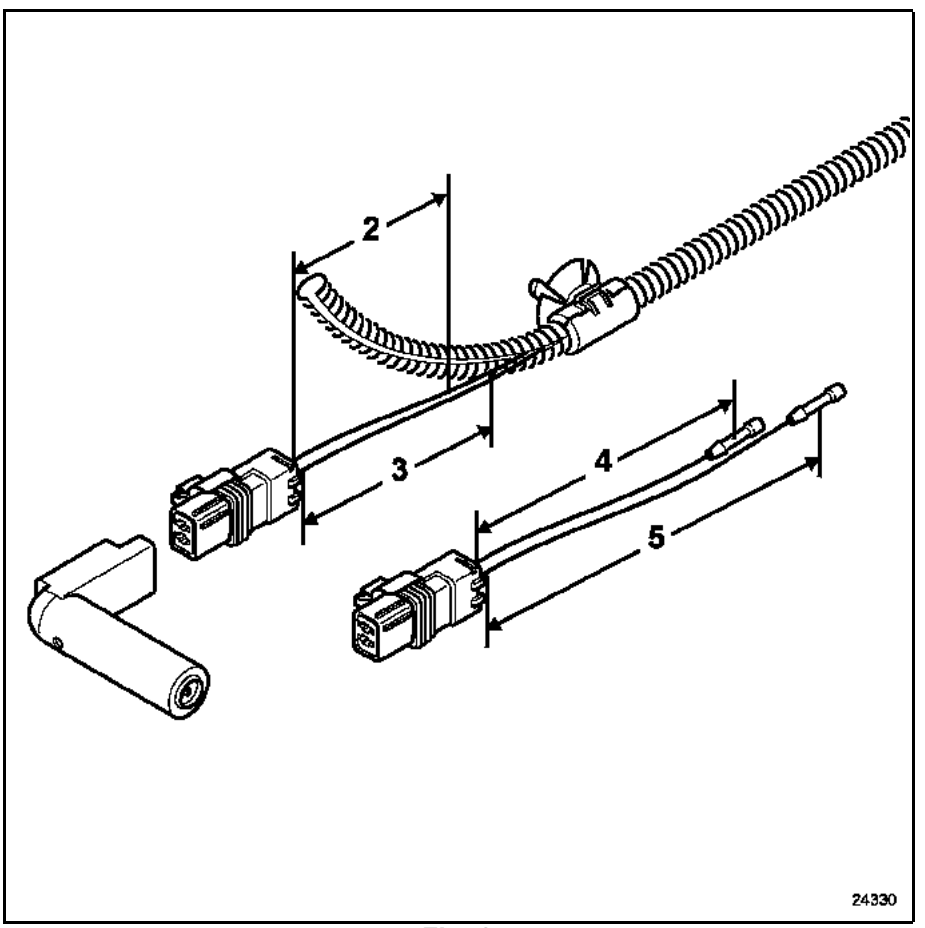

Fig. 2

2 – length of track no. 1 wire on old connector: 120 mm
3 – length of track no. 2 wire on the old connector: 160 mm
4 – length of track no. 1 wire on new connector: 140 mm
5 – length of track no. 2 wire on new connector: 180 mm

CLAIM COMPLETION AND CODING

When to take action
– The first time the vehicle visits the workshop.

Parts required

Quantity and description of parts		Part No.
1	Wiring kit	**82 00 300 322**
1	TDC sensor and clip kit	**77 01 474 895**

Tooling required
– Conventional.
– Crimping tool.
– Hot air gun.

Time required

Code	Description	Time
0096	Application of OTS	0.2
7522	Repair wiring harness	0.3
1971	Remove/refit TDC sensor Laguna II, Avantime Espace Espace IV	 0.3 0.4 0.5
	TOTAL **Laguna II, Avantime** **Espace** **Espace IV**	 **0.8** **0.9** **1.0**

Destination of removed parts
– **Other countries:** return to manufacturer.

Accounts procedure
– Request for reimbursement or individual claim, depending on the country.
– Nature of expense: **OTS**
– Expense code: **91**
– Parts at cost price.
– Labour at contractual warranty rate.
– Closure date: **31/12/2006**

OTS code: **0A99**
(0 = Figure zero)