### **PUNTO eMANUAL**

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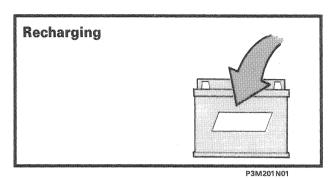
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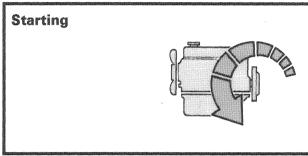
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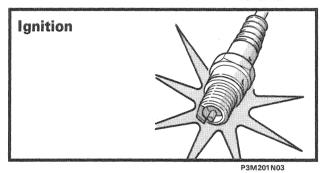
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#### Chart 1





P3M201N02





The alternator does not recharge		
Check the tension of the alternator drive belt	▶ Not OK	Reset the tension for the belt using tool 1895762000
•		
OK		
•		
Insert a direct current ammeter on the R coloured cable between the battery 53 and the alternator 139 and check that the maximum	<b>Not OK</b>	Overhaul the alternator in accordance with the repair manual
current supplied, with 50% of the consumers switched on, corresponds to that indicated in Section 00.55 of the repair manual.		
•		
OK		
-		
Insert a voltmeter between terminal +B for the alternator 139 & an earth, with the ENGINE SWITCHED OFF	Not OK	Recharge the battery
•		
OK		
•		
Check fixing of conductors btwn alternator & battery		





The battery recharging warning li	ght	remains off		
Insert a voltmeter between HN coloured cable on alternator 139 & an earth		Not OK	•	Overhaul or replace alternator 139 or restore continuity for R coloured cable between alternator 139 and battery 53
•				
OK				
•				
Check for voltage at the HN coloured cable at connector C for the instrument panel 14	•	Not OK	•	Replace the warning light X, or overhaul or replace the panel 14
•				
ОК				
•				
Check the continuity of the HN coloured cable between connector C for the panel 14 and the alternator 139	•	Not OK	•	Restore the continuity for the HN coloured cable



Insert a voltmeter between terminal 50 of the starter motor 140 and an earth (the operation is carried out dur- ing starting)		Not OK	•	Overhaul or replace the ignition switch 3 or restore the continuity for the R coloured cable between the motor 140 and the ignition switch 3
•				
OK				
•	_			,
Insert a voltmeter between terminal 30 of the starter motor 140 and an earth		Not OK	<b>&gt;&gt;</b>	Restore the continuity for the R coloured cable be- tween the motor 140 and the battery 53 or recharge the battery
•				,
OK				
+	7			
Check the condition of the		Not OK		Overhaul or replace the
starter motor 140		Not on		starter motor 140
Preliminary checks before conne	ection	with the Fiat Lancia Tester		starter motor 140
starter motor 140	ection			Check for a short circuit in the system and replace fuses
Preliminary checks before connection of the	ection	with the Fiat Lancia Tester		Starter motor 140  Check for a short circuit in
Preliminary checks before connection of the fuses 122 and 123	ection	with the Fiat Lancia Tester		Check for a short circuit in the system and replace fuses
Preliminary checks before connection of the fuses 122 and 123	ection	with the Fiat Lancia Tester		Check for a short circuit in the system and replace fuses
Preliminary checks before connection of the fuses 122 and 123	ection	with the Fiat Lancia Tester		Check for a short circuit in the system and replace fuses
Preliminary checks before connection of the fuses 122 and 123  Check the condition of the fuses 124 and 125  Check the condition of the	ection	with the Fiat Lancia Tester  Not OK		Check for a short circuit in the system and replace fuses 122 or 123
Preliminary checks before connection of the fuses 122 and 123  Check the condition of the fuses 124 and 125  Check the condition of the	ection	with the Fiat Lancia Tester  Not OK		Check for a short circuit in the system and replace fuses 122 or 123
Preliminary checks before connection of the fuses 122 and 123  Check the condition of the fuses 124  Check the condition of the multiple relay 124	ection	with the Fiat Lancia Tester  Not OK		Check for a short circuit in the system and replace fuses 122 or 123
Preliminary checks before connection of the fuses 122 and 123  Check the condition of the fuses 124  Check the condition of the multiple relay 124	ection	with the Fiat Lancia Tester  Not OK		Check for a short circuit in the system and replace fuses 122 or 123



•				
OK	-			
+	1			
Check condition of R coloured cable btwn multiple relay 124 & battery 53	•	Not OK		Restore the continuity for the R coloured cable
#	1			
OK				
+				
Check the continuity of the C coloured cable between the multiple relay 124 and the ignition switch 3	•	Not OK	•	Restore the continuity for the C coloured cable
	1			
OK				
•	1			
Check for voltage at the C coloured cable, pin 26 of the injection control unit 132	•	Not OK	•	Restore the continuity for the C coloured cable bew- teen the control unit 132 and the ignition switch 3
•	•			
OK			٠	
•				
Check the continuity for the NV and NL coloured cables, pin 17 and 34 for the control unit 132 with the earth 130		Not OK		Restore continuity for NV or NL coloured cables
•				
OK		•		
•				
Check the continuity for the RV coloured cables between the multiple relay 124 and fuse 123		Not OK		Restore the continuity for the RV coloured cables

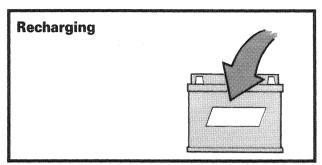


	•				
	OK				
	+				
	Check the continuity for the MB coloured cable between the multiple relay 124 and the electric fuel pump 47A	•	Not OK		Restore the continuity for the MB coloured cable
	•				
	OK				
	+				
)	Check the condition of the inertia switch 159		Not OK	<b>&gt;</b>	Overhaul or replace the switch 159
	+				
	ОК				
	Connect to the diagnostic socket 138 and carry out operations with the Fiat Lancia Tester				

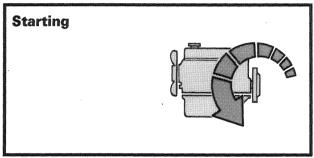


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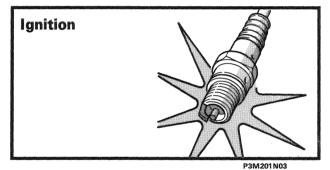
### Chart 2



P3M201N01



P3M201N02





Check the tension of the al-	<b>B</b>	Not OK		<b></b>	Reset the tension for the
ternator drive belt		Not OK			belt using tool 189576200
•	1				
OK					
•					
Insert a direct current ammeter on the R coloured cable between the battery 53 and the alternator 139 and check that the maximum current supplied, with 50% of the consumers switched on, corresponds to that indicated in Section 00.55 of the repair manual	•	Not OK	,	•	Overhaul the alternator in accordance with the repairmanual
•	ı				
OK					
•					
Insert a voltmeter between terminal +B for the alternator 139 and an earth, with the ENGINE SWITCHED OFF	•	Not OK		<b>⇒</b>	Recharge the battery
•					
ОК					
+					
Check fixing of conductors btwn alternator & battery					



The battery recharging warning l	light	remains off		
Insert a voltmeter btwn the HN coloured cable on the alternator 139 & an earth	•	Not OK	•	Overhaul or replace the alternator 139 or restore the continuity for the R coloured cable btwn the alternator 139 & the batt. 53
<b>ОК</b>				
*				
Check that there is voltage at the HN coloured cable at connector C of the instru- ment panel 14	•	Not OK	•	Replace the warning light X, or overhaul or replace the panel 14
_				
<b>+</b>				
ОК				
•				
Check the continuity of the HN coloured cable between con. C of the panel 14 and the alternator 139	•	Not OK	•	Restore the continuity for the HN coloured cable



The starter motor does not wo	rk			
Insert a voltmeter between terminal "50" of the starter motor 140 and an earth (the operation is carried out during starting)		Not OK		Overhaul or replace the ignition switch 3 or restore the continuity for the R coloured cable between the motor 140 and the ignition switch 3
•				
OK				
•				
Insert a voltmeter between terminal "30" of the starter motor 140 and an earth		Not OK	•	Restore the continuity for the R coloured cable btwn the motor 140 and the bat- tery or recharge the battery
•	_			
ОК				
<b>+</b>	_			
Check the condition of the starter motor 140	•	Not OK	•	Overhaul or replace the starter motor 140
	7			
Preliminary checks before conn	ecting	to the Fiat Lancia Tester		
Check the condition of fuses 122 and 123	•	Not OK	•	Check for a short circuit in the system and replace fuses 122 or 123
<b>+</b>				122 01 123
ОК	1			
+	1			
Check the condition of the multiple relay 124	•	Not OK		Replace the relay 124
•	1			
ОК				
+	1			
Check the continuity of RN coloured cables btwn fuses 122, 123 & the battery 53	<b>&gt;</b>	Not OK	•	Restore the continuity for the RN coloured cables
1	l			
W				

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•				
ОК				
•	ı			
Check the condition of the R coloured cable between the multiple relay 124 and the battery 53	•	Not OK		Restore the continuity for the R coloured cable
•	•			
OK				
+				
Check the continuity for the C coloured cable between the multiple relay 124 and the ignition switch 3	•	Not OK		Restore the continuity for the C coloured cable
+	•			
ОК				
<b>\</b>				
Check the continuity of the NV and NL coloured cables, pin 17 and 34 of the control unit 132 with the earth 130	•	Not OK	•	Restore the cont. for the NV or NL coloured cables
+				
ОК				
•				
Check the continuity for the RV coloured cables be- tween the multiple relay 124 and fuse 123		Not OK		Restore the continuity for the RV coloured cables
•				
ОК				
+				
Check the continuity for the MB coloure cable between the multiple relay 124 and the electric fuel pump 47A	•	Not OK		Restore the continuity for the MB coloured cable

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operations with the Fiat

Lancia Tester

### Fault diagnosis Analytical charts

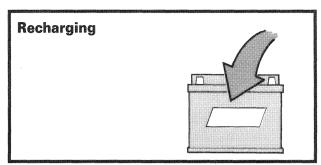
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9						
	•					
	OK					
	Check the condition of the inertia switch 159	•	Not OK	Overhaul or switch 159	replace	the
	+					
	OK					
	•					
	Connect to the diagnostic socket 138 and carry out the					

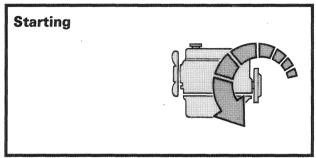
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55D.

### Chart 3



P3M201N01







55D.

The alternator does not recharge	e	
Check the tension of the alternator drive belt	▶ Not OK	Reset the tension for the belt using tool 1895762000
#	J	L
OK		
•	•	
Insert a direct current ammeter on the R coloured cable between the battery 53 and the alternator 139 and check that the maximum current supplied, with 50% of the consumers switched on, corresponds to that indicated in Section 00.55 of the repair manual	Not OK	Overhaul the alternator in accordance with the repair manual
<b>₽</b> OK		
•		
Insert a voltmeter between terminal +B of the alternator 139 and an earth, with the ENGINE SWITCHED OFF	<b>▶</b> Not OK	Recharge the battery
•		
OK		
· ·		
•		

3M219N



The battery recharging warning	light	remains off		
Insert a voltmeter between HN coloured cable on the alternator 139 and an earth	•	Not OK	•	Overhaul or replace the alternator 139 or restore the cont. for the R coloured cable between the alternator 139 & the battery 53
ОК				
+	1			
Check for voltage at the HN coloured cable at connector C of the instrument panel 14	•	Not OK	•	Replace the warning light X, or overhaul or replace the panel 14
<u> </u>				
•				
OK				
•				
Check the continuity for the HN coloured cable between con. C of the panel 14 and the alternator 139		Not OK		Restore the continuity for the HN coloured cable



55D.

The starter motor does not wor	ʻk			
Insert a voltmeter between terminal 50 for the starter motor 140 and an earth (the operation is carried out dur- ing starting)		Not OK	•	Overhaul or replace the ignition switch 3 or restore the continuity for the R coloured cable between the motor 140 and the ignition switch 3
•	_			
OK				
<b>+</b>				
Insert a voltmeter between terminal 30 of the starter motor 140 and an earth	•	Not OK	•	Restore the cont. for the R coloured cable btwn the motor 140 and the battery 53 or recharge the battery
+	-			
ОК				
+		•		
Check the condition of the starter motor 140	•	Not OK	<b>&gt;</b>	Overhaul or replace the starter motor 140
Preliminary checks before conne	ecting	with the Fiat Lancia Tester		
Check the condition of fuses 122, 195, 196 and 204	•	Not OK	->	Check for a short circuit in the system and replace the fuses
#	-			14363
OK				
•	1			
Check the condition of relays 193 and 194	•	Not OK	•	Replace relays 193 or 194
•	1			
OK				
•	]			
Check the continuity of the R, NR and RV coloured cables between relays 193, 194 and the battery 53	•	Not OK		Restore the continuity for the cables concerned
•	ı			
3M221R				

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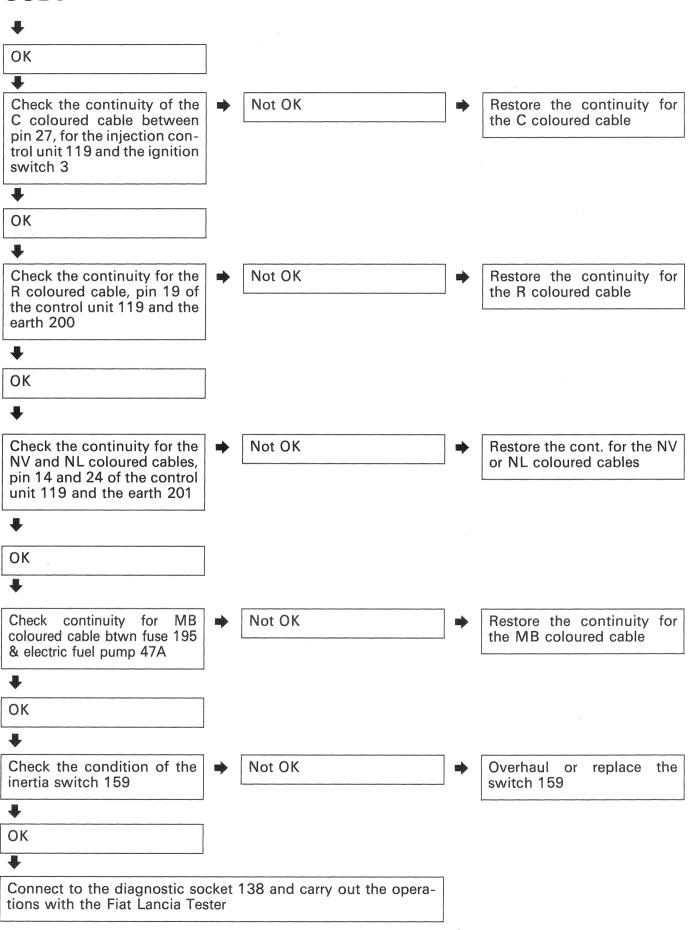
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### Fault diagnosis

#### **Analytical charts**

#### Punto MPI turbo

#### 55D.

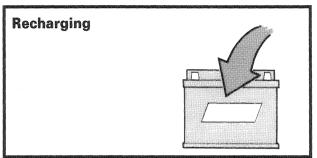


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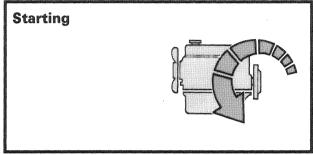


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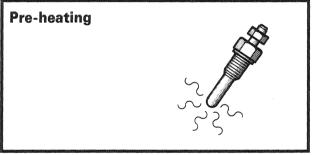
### Chart 4



P3M201N01



P3M201N02



P3M219N01



55D.

The alternator does not recharge	)			
Check the tension of the alternator drive belt	•	Not OK	•	Reset the tension for the belt using tool 1895762000
<b>+</b>	l			
ОК				
+				
Insert a direct current ammeter on the R coloured cable between the battery 53 and the alternator 139 and check that the maximum current supplied, with 50% of the consumers switched on, corresponds to that indicated in Section 00.55 of the repair manual	•	Not OK	•	Overhaul the alternator in accordance with the repair manual
•				
ОК				
<b>.</b>				
Insert a voltmeter between terminal +B of the alternator 139 and an earth, with the ENGINE SWITCHED OFF	•	Not OK	•	Recharge the battery
•				
ОК				
•				
Check fixing of conductors btwn alternator & battery				

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The battery recharging warning light remains off				
Insert a voltmeter btwn the HN coloured cable on the alternator 139 & an earth	•	Not OK		Overhaul or replace the alternator 139 or restore the cont. for the R coloured cable between the alternator 139 & the battery 53
OK				
Check for voltage at the HN coloured cable at connector C of the instrument panel 14		Not OK	18	Replace the warning light X, or overhaul or replace the panel 14
<b>₽</b>				
<b>♣</b>				
Check the continuity for the HN coloured cable between connector C for the panel 14 and the alternator 139		Not OK	•	Restore the continuity for the HN coloured cable



The starter motor does not wor	'k			
Insert a voltmeter between terminal 50 of the starter motor 140 and an earth (this operation is carried out dur- ing starting)	•	Not OK	•	Overhaul or replace the ignition switch 3 or restore the continuity for the R coloured cable between the motor 140 and the ignition switch 3
•				·
ОК				
•	_		_	
Insert a voltmeter between terminal 30 of the starter motor 140 and an earth	•	Not OK	•	Restore the cont. for the R coloured cable between the motor 140 and the battery or recharge the battery
+	<del>-</del>			
OK				
+	-		7	
Check the condition of the starter motor 140	•	Not OK	•	Overhaul or replace the starter motor 140
Preliminary checks to be carried	d out	on the fuel system (TD)		
Check the condition of the injection relay feed 218	•	Not OK	•	Replace the relay 218
•	J			
OK	]			
<b>+</b>	]			
Check the continuity of the R coloured cable between the pre-heating control unit 205 and the battery 53	•	Not OK		Restore the continuity for the R coloured cable
•	-			
OK				
•	-			
Check the continuity of the C coloured cable between the control unit 205 and the ignition switch 3	•	Not OK	•	Restore the continuity for the C coloured cable
+				

Check the condition of the

inertia switch 159





55D.

•				
OK				
•	1			
Check the condition of the fuse 216	<b>→</b>	Not OK		Check for a short circuit in the system and replace the fuse 216
+	-			1036 210
OK				
•	1			
Check the condition of the relay 215	•	Not OK	•	Replace the relay 215
#	1			
OK				
•	1			
Check the continuity for the N coloured cable between the relay 218 and the inertia switch 159	•	Not OK	•	Restore the continuity for the N coloured cable
OK				
<b>.</b>				
•				

Not OK

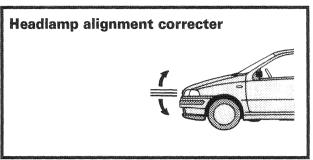
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Overhaul or replace the

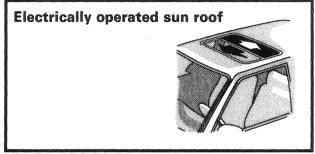
switch 159

55D.

### Chart 5



P3M225N02



P3M225N01

55D.

The electrically operated sun ro	of do	es not work		
Check the condition of the fuse 4 in the control unit for the optional equipment 8	•	Not OK	•	Check for a short circuit in the system and replace the fuse 4
•	•	•		
OK				
+	ı			
Temporarily replace the re- lay E3 on the control unit for the optional equipment 8	•	OK	•	Replace the relay E3
•	ı			
Not OK				
+				
Bridge the N coloured cable on connector 121 with an earth		OK	•	Restore the continuity for the N coloured cable be- tween the connector 121 and the left rear earth 51
•				and the left rear earth 51
Not OK				
+				
Check the condition of the sun roof control buttons 84		Not OK		Overhaul or replace the control buttons 84
<b>\</b>				
OK				
+				
Temporarily replace the sun roof electronic control unit 83	•	ОК		Replace the control unit 83
+				
Not OK				
₩				
Check the condition of the sun roof motor 82	•	Not OK		Overhaul or replace the motor 82
•				

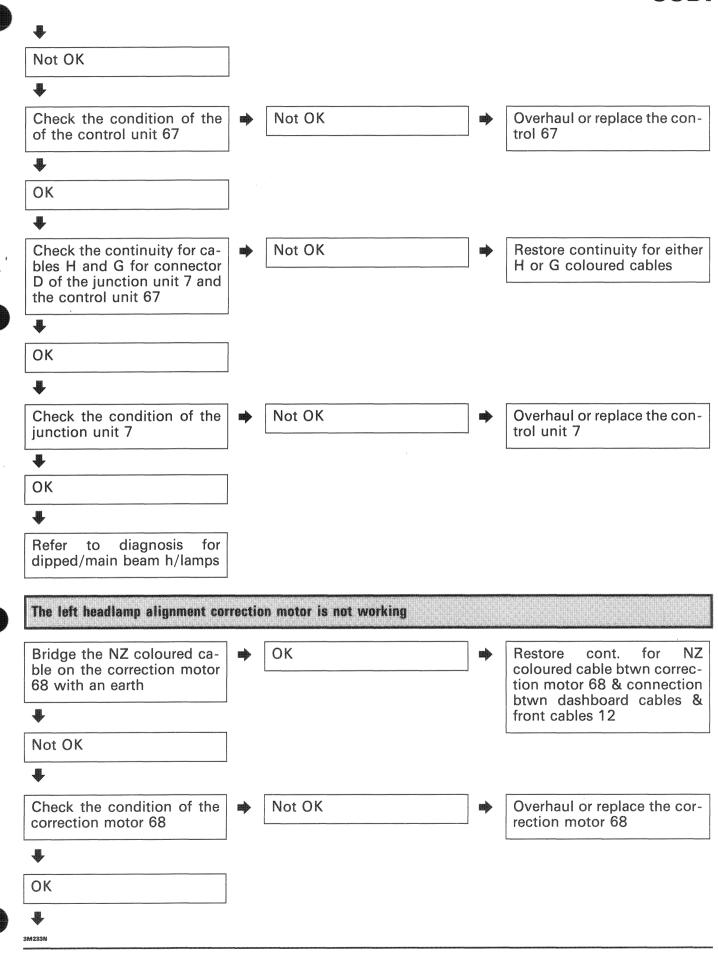
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OK				
+			_	
Check continuity of RN coloured cable between connector I of control unit 7 & connector B of control unit 8		Not OK	•	Restore the continuity for the RN coloured cable
+	I			
ОК				
•	I			
Check the continuity of the BL coloured cable between connector D of control unit 8 and connector 121	•	Not OK		Restore the continuity for the BL coloured cable
+	•			
OK				
•	l			
Check the continuity of the connecting cables for the system and the condition of control units 7 and 8	•	Not OK	<b>&gt;</b>	Restore the continuity for the connecting cables for the system, overhaul or re- place control units 7 and 8
The headlamp alignment device	is no	working		
The headlamp alignment device  Check the condition of the fuse 5 in the junction unit 7	is not <b>→</b>	Not OK	] •>	Check for a short circuit in the system and replace the use 5
Check the condition of the		_	<b>→</b>	the system and replace the
Check the condition of the		_	# 10 mm m m m m m m m m m m m m m m m m m	the system and replace the
Check the condition of the fuse 5 in the junction unit 7		_		the system and replace the
Check the condition of the fuse 5 in the junction unit 7		_	•	the system and replace the
Check the condition of the fuse 5 in the junction unit 7  Coloured Cable on the headlamp alignment device 67		Not OK		Restore the cont. for the NZ coloured cable btwn the control 67 & the earth on
Check the condition of the fuse 5 in the junction unit 7  Coloured cable on the headlamp align-		Not OK		Restore the cont. for the NZ coloured cable btwn the control 67 & the earth on
Check the condition of the fuse 5 in the junction unit 7  Coloured Cable on the headlamp alignment device 67		Not OK		Restore the cont. for the NZ coloured cable btwn the control 67 & the earth on

### **Fault diagnosis**

**Analytical charts** 



### Fault diagnosis

#### **Analytical charts**

#### 55D.



Check the continuity for the H and G coloured cables between connector D for the junction unit 7, and the correction motor 68

Not OK

Restore the continuity for the H or G coloured cables



OK



Check the condition of the junction unit 7

Not OK

Overhaul or replace the junction unit 7

#### The right headlamp alignment correction motor is not working

Bridge the NZ coloured cable on the correction motor 69 with an earth



Restore cont. for NZ coloured cable between correction motor 69 & connection between dashboard cables & front cables 12



Not OK



Check the condition of the correction motor 69



Overhaul or replace the correction motor 69



OK



Check the cont. for the H and G coloured cables btwn connector D of control unit 7 & correction motor 69



Restore the continuity for the H or G coloured cables



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### Fault diagnosis Analytical charts

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Check the condition of the junction unit 7

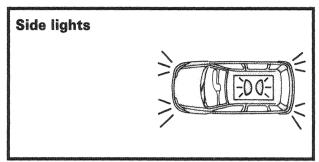
Not OK

Overhaul or replace the junction unit 7

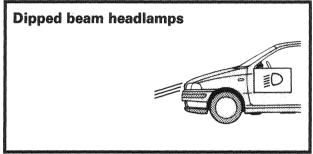
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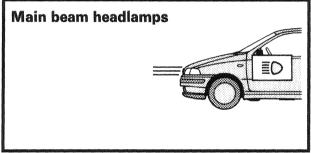
#### Chart 6



P3M231N03



P3M231N01



P3M231N02

55D.

The exterior lights are not work	ing			
Check the condition of fuses 2 and 3 in the junction unit 7		Not OK	•	Check for a short circuit in the system and replace fuses 2 and 3
•				
OK				
+				
Bridge CB & GV cables on s/column switch unit 4		OK		Overhaul or replace steering column switch unit 4
+				
Not OK				
#				
Bridge the G and GV coloured cables on the ignition switch 3		OK		Overhaul or replace the ignition switch 3
#		·		
Not OK				
•				
Bridge GV coloured cables on op. equip. control unit 8	•	OK	•	Overhaul or replace the op. equip. control unit 8
•				
Not OK				
•				
Check the continuity for the G and GV coloured cables inside the system	•	Not OK		Restore the continuity for the G or GV coloured cables
•				
OK				
•				
Check the condition of the junction unit 7	•	Not OK		Overhaul or replace the junction unit 7

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The left front side light, left no	. plate	e light, right rear light are not wo	rking	
Check the condition of the fuse 3 inside the junction unit 7	•	Not OK	•	Check for a short circuit in the system and replace the fuse 3
+	_			
OK				
•	1			
Check the condition of the junction unit 7	•	Not OK	•	Overhaul or replace the junction unit 7
The right front side light, right	no. pl	ate light, left rear light and side	lights	warning light are not working
Check the condition of the fuse 2 inside the junction unit 7	•	Not OK		Check for a short circuit in the system and replace the fuse 2
•	3			
ОК				
•				e .
Check the condition of the junction unit 7	•	Not OK	•	Check for a short circuit in the system and replace the fuse 2
The left front side light is not v	vorkin			
Check the condition of the bulb	•	Not OK	•	Replace the bulb
•				
OK				
•	•			
Bridge the N coloured cable in the left front light cluster 24 to earth	-	OK		Restore the continuity for the N coloured cable be- tween the light cluster 24 and the left front earth 39
•				and the left field Galtif 33
Not OK				
+				
Check cont. of GN coloured cable btwn the light cluster 24 & the junction unit 7	•	Not OK	•	Restore the continuity of the GN coloured cable
•				

55D.

•				
OK				
	_			
Check the condition of the light cluster 24		Not OK		Overhaul or replace the light cluster 24
#	_			
OK	]			
•	_			
Check the condition of the junction unit 7		Not OK		Overhaul or replace the junction unit 7
The right front side light is not	work	ing		
			7	
Check the condition of the bulb	-	Not OK	•	Replace the bulb
•	ا			
ОК	] .			
•	]			
Bridge the N coloured cable in the right front light cluster 23 to earth	•	Not OK	•	Restore the continuity for the N coloured cable between the light cluster 23
•	1			and the right front earth 38
OK	]			
+	]			
Check the cont. for the GR coloured cable btwn light cluster 23 & control unit 7	•	Not OK	•	Restore the continuity for the GR coloured cable
•	]			
OK	1			
•	]			
Check the condition of the light cluster 23	•	Not OK	•	Overhaul or replace the light cluster 23
•	1			
OK	I			
•	1			
988944 M				

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#### FED

#### 55D.



Check the condition of the junction unit 7



Overhaul or replace the junction unit 7

#### The left rear side light is not working

Check the condition of the bulb



Replace the bulb



OK



Check the continuity for the GN coloured cable between the rear light cluster 44 and the junction unit 7



Restore the continuity for the GN coloured cable



OK



Check the condition of the rear light cluster 44



Overhaul or replace the light cluster 44



OK



Check the condition of the junction unit 7



Overhaul or replace the unit 7

#### The right rear side light is not working

Check the condition of the bulb



Replace the bulb



OK



Check the continuity for the GR coloured cable between the rear light cluster 43 and the junction unit 7



Restore the continuity for the GR coloured cable



OK



55D.

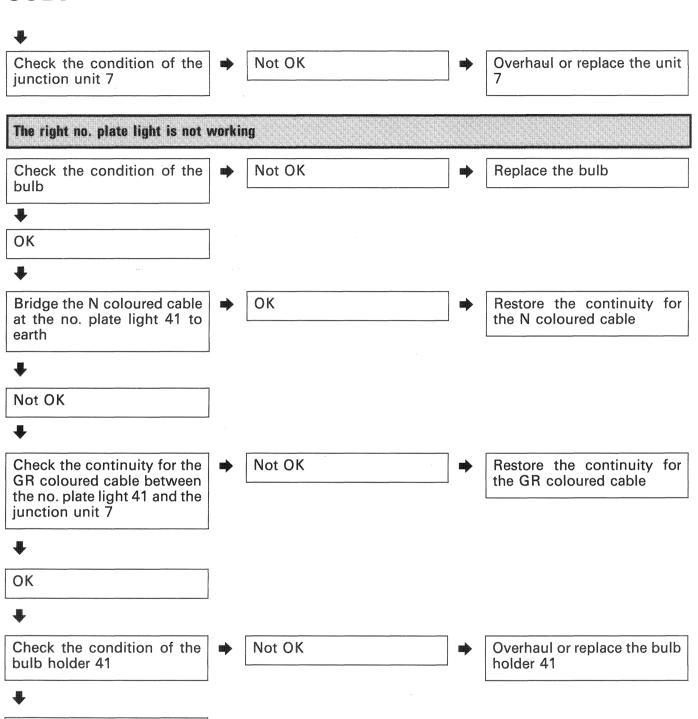
	•				
	Check the condition of the rear light cluster 43		Not OK	•	Overhaul or replace the light cluster 43
	•				
	ОК				
	•			ı	
	Check the condition of the junction unit 7		Not OK	-	Overhaul or replace the unit 7
	The left no. plate light is not w	orking			
)	Check the condition of the bulb	•	Not OK	•	Replace the bulb
,	<b>\</b>				
	ОК				
	•				
	Bridge the N coloured cable on the no. plate light 42 to earth	•	OK	•	Restore the continuity for the N coloured cable
	+				
	Not OK				
	•				
)	Check the continuity for the GN coloured cable between the no. plate light 42 and the junction unit 7		Not OK		Restore the continuity for the GN coloured cable
	+				
	ОК				
	+				
	Check the condition of the bulb holder 42		Not OK		Overhaul or replace the bulb holder 42
,	•				
	OK				
	•				

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### Fault diagnosis

#### **Analytical charts**

#### 55D.



Not OK

3M244N

OK

Check the condition of the

junction unit 7

Overhaul or replace the unit

Both the dipped beam headlamp	os are	not working		
Check the condition of fuses 4 and 5 inside the junction unit 7	•	Not OK		Check for a short circuit i the system and replace th fuses 4 and 5
₩				
ОК				
+	_			
Bridge GV & HR cables on the s/column switch unit 4	•	ОК	K	Overhaul or replace steerin column switch unit 4
•	_			
Not OK	-			
+	1			
Check cont. for HR coloured cable between s/column switch unit 4 & unit 7	•	Not OK	•	Restore the continuity for the HR coloured cable
•	ı			
OK				
<b>\</b>	1			
Check the condition of the junction unit 7	•	Not OK	•	Overhaul or replace the un 7
The left dipped beam headlamp	is not	working		
Check the condition of the fuse 5 inside the junction unit 7	•	Not OK	•	Check for a short circuit i the system and replace th fuse 5
+	l			
OK				
+				
Check the condition of the left dipped headlamp bulb	•	Not OK		Replace the bulb
<b>+</b>				
OK				

#### 55D.



Check the condition of the left dipped headlamp bulb holder

Not OK

Overhaul or replace the bulb holder

₩

OK

₩

Check the condition of the HN coloured bewteen the left front light cluster 24 and the unit 7

▶ Not OK

Restore the continuity for the HN coloured cable

•

OK

₩

Check the condition of the junction unit 7

Not OK

Overhaul or replace the unit 7

#### The right dipped beam headlamp is not working

Check the condition of the fuse 6 inside the junction unit 7

Not OK

Check for a short circuit in the system and replace the fuse 6

₩

OK



Check the condition of the right dipped headlamp bulb

Not OK

Replace the bulb

₩

OK



Check the condition of the right dipped headlamp bulb

Not OK

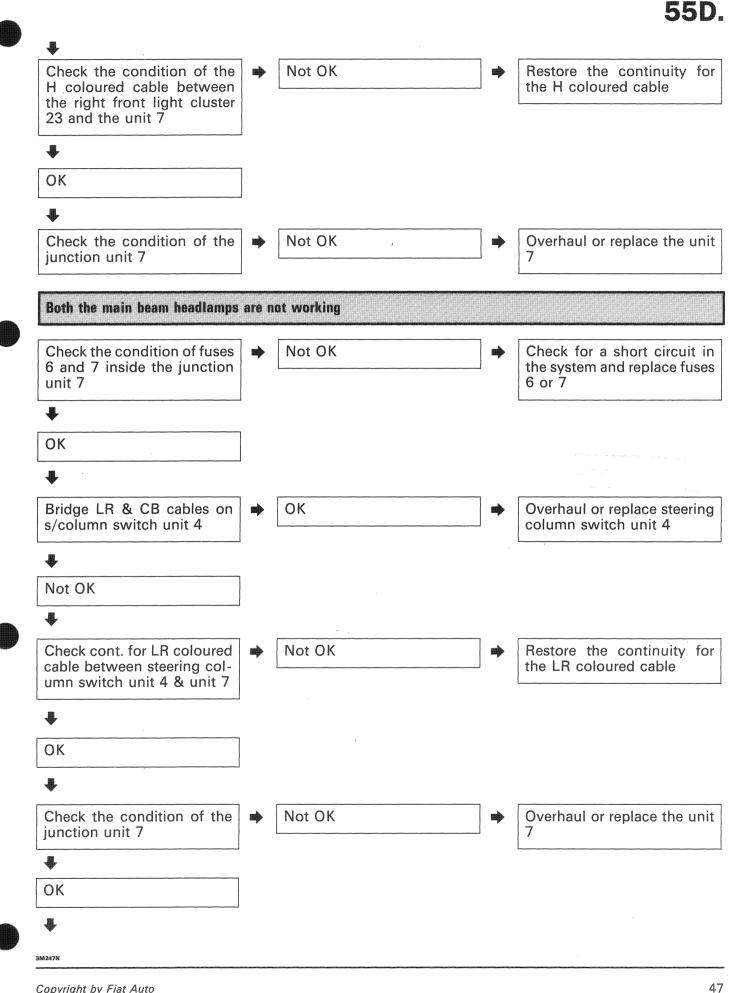
Overhaul or replace the bulb holder



OK



3M246N



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#### 55D.



Check the condition of the main beam headlamp bulbs

▶ Not OK

Replace the bulbs

#### The left main beam headlamp is not working

Check the condition of the fuse 7 inside the junction unit 7

Not OK

Check for a short circuit in the system and replace the fuse 7

₽

OK

₩

Check the condition of the bulb

Not OK

Replace the bulb

₩

OK



Check the condition of the bulb holder in the left front light cluster 24

Not OK

Overhaul or replace the bulb holder

₩

OK



Check the cont. for the VN coloured cable between the light cluster 24 & the unit 7

Not OK

Restore the continuity for the VN coloured cable

₩

OK



Check the condition of the junction unit 7

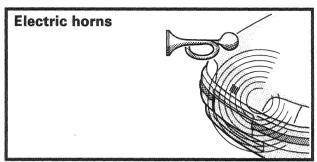
Not OK

Overhaul or replace the junction unit 7

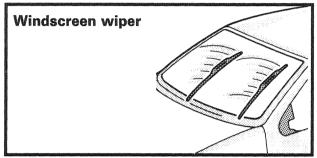
The right main beam headlamp		·		
Check the condition of the fuse 6 inside the junction unit 7	•	Not OK	] ▶	Check for a short circuit in the system and replace the fuse 6
OK	***************************************			
₩				
Check the condition of the bulb	•	Not OK		Replace the bulb
•				
OK				
+	I			
Check the condition of the bulb holder in the right front light cluster 23	•	Not OK	•	Overhaul or replace the bulb holder
+	ı			
OK				
+				
Check the cont. for the V coloured cable between the light cluster 23 & the unit 7	•	Not OK	•	Restore the continuity for the V coloured cable
+				
OK				
<b>+</b>				
Check the condition of the junction unit 7	•	Not OK	•	Overhaul or replace the junction unit 7

55D.

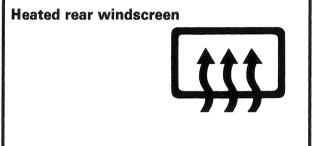
### Chart 7



P3M237N01



P3M237N03



P3M237N02

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55D.

The windscreen wiper and the r	earsc	reen wiper are not working		
Check the condition of the fuse 14 in the junction unit 7	•	Not OK	•	Check for a short circuit in the system and replace the fuse 14
+				
ОК	AND THE PROPERTY OF THE PROPER			
+	•			
Check condition of CN cable between junction unit 7 & s/column switch unit 4	•	Not OK	•	Restore the continuity for the CN coloured cable
+	•			
ОК				
+	•			
Check condition of steering column switch unit 4	•	Not OK	•	Overhaul or replace steering column switch unit 4
•				
OK				
•				
Check the condition of the junction unit 7	•	Not OK	•	Overhaul or replace the unit 7
The windscreen wiper is not wo	rking			
Bridge the N coloured cable on the windscreen wiper motor 18 with an earth	-	ОК		Restore the continuity for the N coloured cable
+				
Not OK				
•				
Alternately bridge HG, HR, H & HN cables on s/column switch unit 4A with CN cable on 4D	•	ОК		Overhaul or replace switch M in steering column switch unit 4
•				

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3M253N

#### Analytical cha

E.	la.	<b>8 %</b>	
		-	_
	war.		-



Not OK



Check cont. of HG, HR H & HN coloured cables between s/column switch unit 4 & windscreen wiper 18



Restore cont. for HG, HR, H or HN coloured cables



OK



Check the condition of the windscreen wiper motor 18



Overhaul or replace the windscreen wiper motor 18

#### The rearscreen wiper is not working

Bridge CN & C cables on s/-column switch unit 4D



 Overhaul or replace r/screen wiper control switch I on s/column switch unit 4



Not OK



Bridge the N coloured cable on the rearscreen wiper motor 56 with an earth



Restore the continuity for the N coloured cable between 56 and the left rear earth 51



Not OK



Check cont. for CB coloured cable between unit 7 and rearscreen wiper 56



Restore the continuity for the CB coloured cable

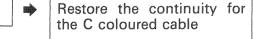


OK



Check cont. for C cable between s/column switch unit 4 & rearscreen wiper 56







3M254N

				55D.
ОК	1			
+				
Check the condition of the rearscreen wiper motor 56	•	Not OK	•	Overhaul or replace the motor 56
•	_			
OK	1			
•				
Check the condition of the junction unit 7	•	Not OK		Overhaul or replace the unit 7
The windscreen/rearscreen elec	tric w	rasher pump is not working		
	7 ,	OK	7 ,	
Bridge SN & N cables on s/column switch unit 4A & S & CN cables on 4A & 4D		OK		Overhaul or replace the windscreen/rearscreen washer control switch L in
<b>\</b>	J			the s/column switch unit 4
Not OK				
•	_			
Bridge S & N cables on s/- column switch unit 4A & SN & CN cables on 4A & 4D		OK	•	Overhaul or replace the windscreen/rearscreen washer control switch L in
•	J			the s/column switch unit 4
Not OK				
₩	_			
Check the condition of the electric pump 19	•	Not OK	•	Overhaul or replace 19
•	1			4
OK	1			
•	1			
Check cont. for S & SN coloured cables between s/column switch unit 4A & electric pump 19		Not OK	•	Restore the continuity for the S or SN coloured cables

55D.				
•				
ОК				
+				
Check condition of steering column switch unit 4	•	Not OK	•	Overhaul or replace steering column switch unit 4
The electric horns are not worki	ng			
Check the condition of the fuse 13 in the junction unit 7		Not OK	•	Check for a short circuit in the system and replace the fuse 13
+				
OK				
+				
Temporarily replace relay E2 in the unit 7	•	OK		Replace the relay E2
Not OK				
₩				
Bridge LR & N cables on s/- column switch unit 4D & 4A	•	ОК		Overhaul or replace the horn control B on the steering column switch unit 4
•				oordinin ownton dine i
Not OK				
•				
Check cont. for LR coloured cable between unit & steering column switch unit 4D	•	Not OK		Restore the continuity for the LR coloured cable
•				
OK	<b>&gt;</b>	Check condition of steering	<b>&gt;</b>	Not OK
		column switch unit 4		•
Check the condition of the junction unit 7	<b>4</b>	<b>●</b>		Overhaul or replace steering column switch unit 4
+				
Not OK	•	Overhaul or replace the unit 7		

The left electric horn is not working  Bridge the N coloured cable on the horn 28 with an earth  Not OK  Check the condition of the horn 28  Check the cond. of the of the Z coloured cable between pin 1, connector D for the unit 7 & the horn 28  Check the condition of the pinction unit 7  The right electric horn is not working  Bridge the N coloured cable on the horn 29 with an earth  OK  OK  OK  OK  OK  OK  OK  OK  OK  O		Overhaul or replace the horn 28
Not OK  Check the condition of the horn 28  Check the cond. of the of the Z coloured cable between pin 1, connector D for the unit 7 & the horn 28  Check the condition of the of the Z coloured cable between pin 1, connector D for the unit 7 & the horn 28  Check the condition of the junction unit 7  The right electric horn is not working  Bridge the N coloured cable   OK	•	Overhaul or replace the horn 28
Check the condition of the horn 28  Check the cond. of the of the Z coloured cable between pin 1, connector D for the unit 7 & the horn 28  Check the condition of the junction unit 7  The right electric horn is not working  Not OK  Not OK	J ^	Restore the continuity for
Check the condition of the horn 28  Check the cond. of the of the Z coloured cable between pin 1, connector D for the unit 7 & the horn 28  Check the condition of the junction unit 7  The right electric horn is not working  Not OK  Not OK	J ^	Restore the continuity for
horn 28   OK  Check the cond. of the of the Z coloured cable between pin 1, connector D for the unit 7 & the horn 28  OK  Check the condition of the junction unit 7  The right electric horn is not working  Bridge the N coloured cable  OK  OK  OK  Not OK	J ^	Restore the continuity for
horn 28   OK  Check the cond. of the of the Z coloured cable between pin 1, connector D for the unit 7 & the horn 28  OK  Check the condition of the junction unit 7  The right electric horn is not working  Bridge the N coloured cable  OK  OK  OK  Not OK	J ^	Restore the continuity for
Check the cond. of the of the Z coloured cable between pin 1, connector D for the unit 7 & the horn 28  Check the condition of the junction unit 7  The right electric horn is not working  Bridge the N coloured cable  OK	•	
Check the cond. of the of the Z coloured cable between pin 1, connector D for the unit 7 & the horn 28  Check the condition of the junction unit 7  Not OK  Not OK  Not OK  Not OK	•	Restore the continuity for the Z coloured cable
Check the cond. of the of the Z coloured cable between pin 1, connector D for the unit 7 & the horn 28  Check the condition of the junction unit 7  Not OK  Not OK  Not OK  Pright electric horn is not working  Bridge the N coloured cable	•	
the Z coloured cable between pin 1, connector D for the unit 7 & the horn 28  OK  Check the condition of the junction unit 7  Not OK  The right electric horn is not working  Bridge the N coloured cable	•	
Check the condition of the junction unit 7  Not OK  The right electric horn is not working  Bridge the N coloured cable   OK		
Check the condition of the junction unit 7  Not OK  The right electric horn is not working  Bridge the N coloured cable  OK		
junction unit 7  The right electric horn is not working  Bridge the N coloured cable		
junction unit 7  The right electric horn is not working  Bridge the N coloured cable		
Bridge the N coloured cable   → OK	•	Overhaul or replace the unit 7
	•	Restore the continuity for the N coloured cable
<b>♣</b>		
Not OK		
<b>+</b>		
Check the condition of the horn 29 Not OK	٦. ١	Overhaul or replace the horn 29
+		·
OK		
<b>♣</b>		

#### Punto

## Fault diagnosis Analytical charts

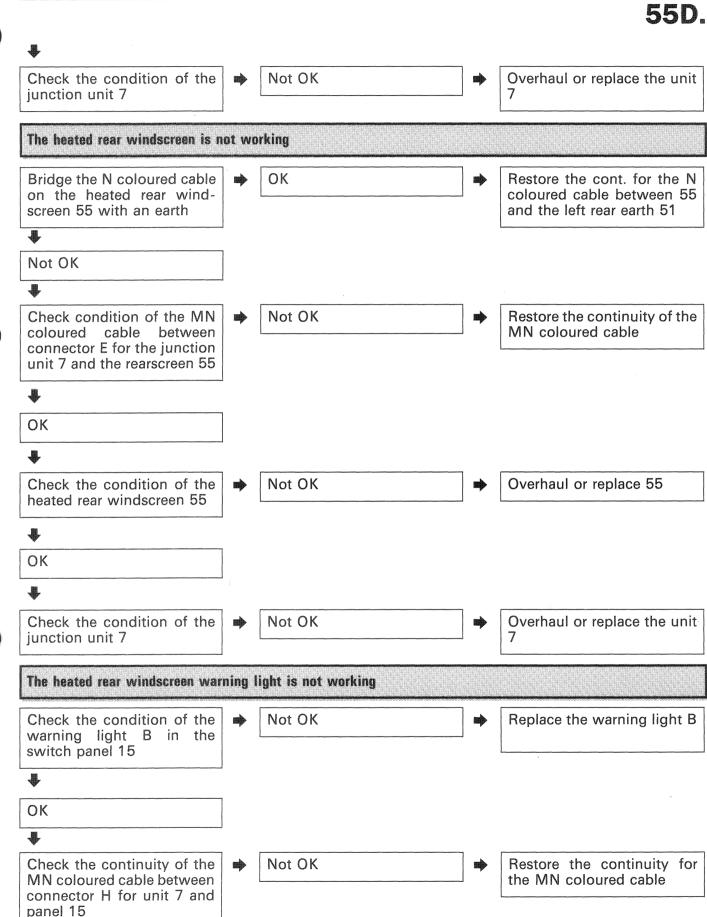
### 55D.

Check the condition of the of the Z coloured cable between pin 2, connector D for the unit 7 & the electric horn 29	•	Not OK	•	Restore the continuity for the Z coloured cable
+	1			
OK				
•	ı			
Check the condition of the junction unit 7	•	Not OK		Overhaul or replace the unit 7
The heated rear windscreen and	the v	varning light are not working		
Check the condition of the fuse 11	-	Not OK		Check for a short circuit in the system and replace the fuse 11
•	I			
OK				
+			_	
Bridge the HM and N coloured cables in the switch panel 15	•	ОК		Overhaul or replace the heated rear windscreen control switch A
₩ .	1			
Not OK				
₩				
Temporarily replace the re- lay E3	-	OK	•	Replace the relay E3
•				
Not OK				
+				
Bridge the HM coloured cable on connector J for the junction unit 7 with an earth		ОК	•	Restore the cont. for the HM coloured cable between the unit 7 & the panel 15
<b>\</b>				
Not OK				

3M258N

3M259N

#### **Fault diagnosis Analytical charts**

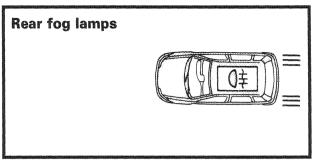


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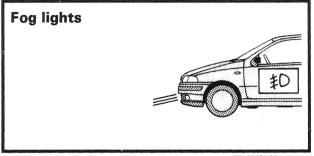
₩				
OK				
•	-			
Check the condition of the switch panel 15	•	Not OK		Overhaul or replace the panel 15
+				
OK				
•	-			
Check the condition of the junction unit 7	•	Not OK	•	Overhaul or replace the unit 7

55D.

### Chart 8



P3M243N01

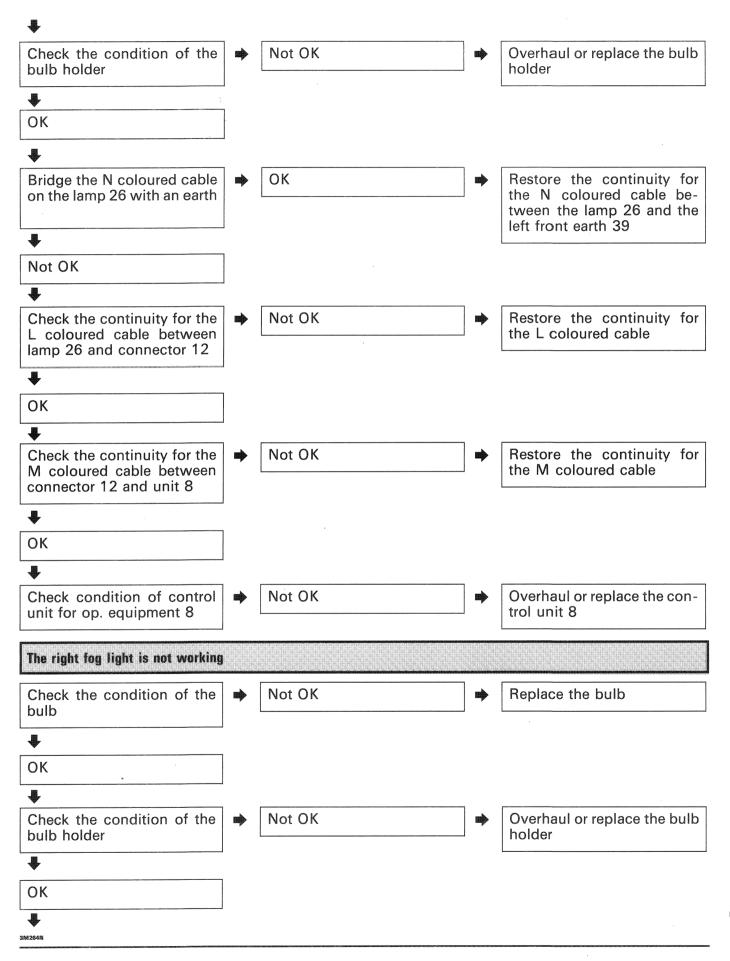


P3M243N02

The fog lights and the warning li	ght ar	e not working		
Check the condition of the fuse 2 in the control unit for the optional equipment 8	•	Not OK	•	Check for a short circuit in the system and replace the fuse 2
+	_			I
OK				
•	1			
Bridge the LN coloured ca- ble in the switch panel 15 with an earth	•	OK	•	Overhaul or replace the fog lights control switch G
•	1			
Not OK				
+	1			
Bridge the LN coloured cable on connector B for the control unit for the optional equipment with an earth	•	OK	•	Restore the continuity for the LN coloured cable be- tween unit 8 and panel 15
<b>↓</b>	1			
Not OK				
<b>+</b>	I			
Temporarily replace the fog lights relay E5 in unit 8	•	OK	•	Replace the relay E5
4				
Not OK				
₩				
Check condition of control unit for op. equipment 8		Not OK	•	Overhaul or replace the unit 8
The left fog light is not working				
Check the condition of the bulb		Not OK	•	Replace the bulb
<b>\</b>				
OK				
₩				
#263N				

#### **Fault diagnosis**

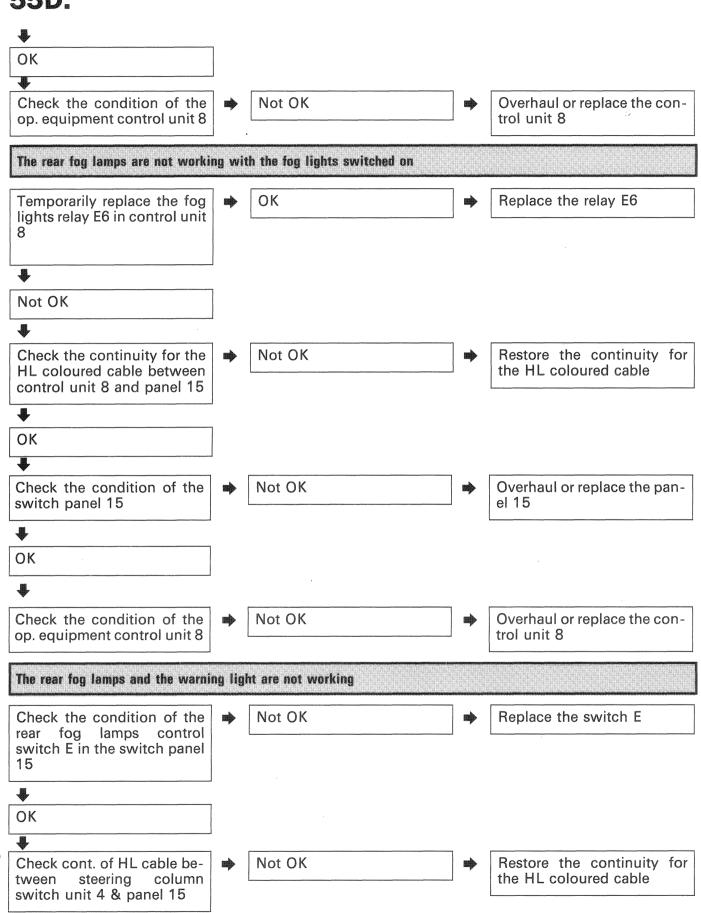
#### **Analytical charts**



Bridge the N coloured cable on lamp 25 with an earth	•	OK	•	Restore the continuity for the N coloured cable be- tween the lamp 25 and the right front earth 38
•				
Not OK				
+	1	*		8
Check continuity of L coloured cable between the lamp 25 & the connector 12	•	Not OK	•	Restore the continuity for the L coloured cable
+	1			
OK				
+				
Check cont. of M coloured cable between connector 12 and control unit 8	•	Not OK	•	Restore the continuity for the M coloured cable
+	•			
OK				
I.				
Check cond. of control unit	<b></b>	Not OK	■	Overhaul or replace the con-
for optional equipment 8		THE CITY		trol unit 8
for optional equipment 8				
The fog lights warning light is not check the condition of the warning light F in the switch	ot wor	king		trol unit 8
The fog lights warning light is not check the condition of the warning light F in the switch	ot wor	king		trol unit 8
The fog lights warning light is not Check the condition of the warning light F in the switch panel 15	ot wor	king		trol unit 8
The fog lights warning light is not check the condition of the warning light F in the switch panel 15  OK	ot wor	king		trol unit 8
The fog lights warning light is not check the condition of the warning light F in the switch panel 15  Check cont. for the L coloured cable between the optional equipment control unit and the switch panel 15	t wor	king Not OK		Replace the warning light F  Restore the continuity for
The fog lights warning light is not Check the condition of the warning light F in the switch panel 15  Check cont. for the L coloured cable between the optional equipment control	t wor	king Not OK		Replace the warning light F  Restore the continuity for
The fog lights warning light is not Check the condition of the warning light F in the switch panel 15  Check cont. for the L coloured cable between the optional equipment control unit and the switch panel 15	t wor	king Not OK		Replace the warning light F  Restore the continuity for
The fog lights warning light is not Check the condition of the warning light F in the switch panel 15  Check cont. for the L coloured cable between the optional equipment control unit and the switch panel 15  CK	t wor	king Not OK		Replace the warning light F  Restore the continuity for

### Fault diagnosis

#### **Analytical charts**



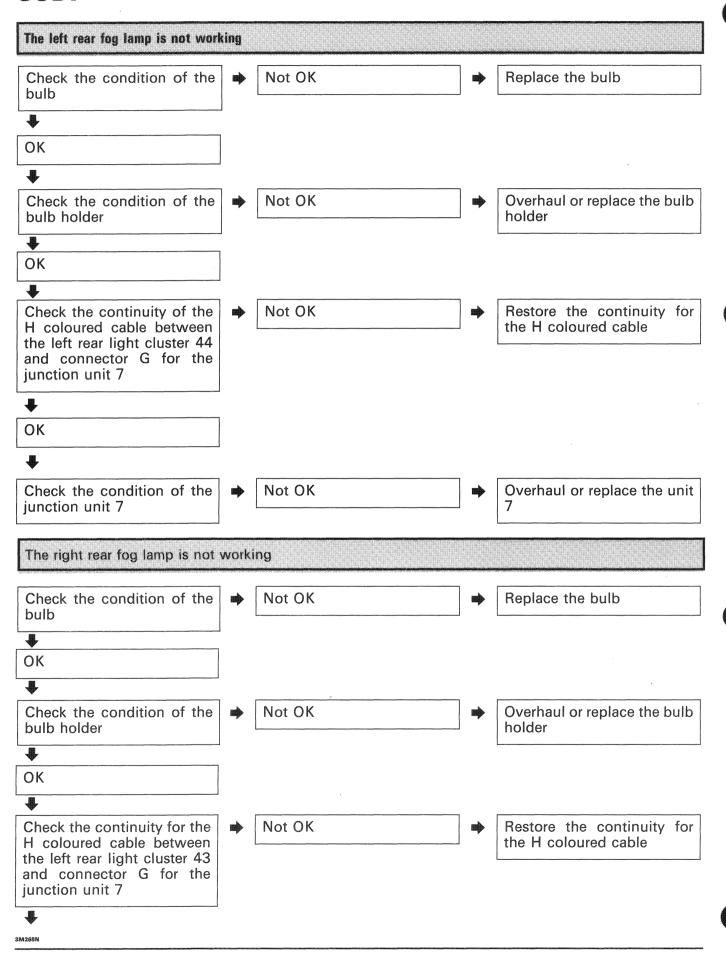
55D.

•				
OK	nonempt and a second			
•	1			
Check condition of steering column switch unit 4	•	Not OK		Overhaul or replace steering column switch unit 4
•				,
OK				
•	I			
Check the condition of the panel 15	•	Not OK		Overhaul or replace the panel 15
	•			`
The rear fog lamps are not working	ng bu	t the warning light is working		
Check the condition of the fuse 8 in the junction unit 7	•	Not OK	•	Check for a short circuit in the system and replace the fuse 8
+				
OK				
<b>\</b>				
Bridge the HL and HR coloured cables in the switch panel 15		OK		Overhaul or replace the panel 15
+				
Not OK				
#				
Check the continuity for the HL coloured cable between the panel 15 and connector J for unit 7		Not OK		Restore the continuity for the HL coloured cable
•				
OK				
•				

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### **Fault diagnosis**

#### **Analytical charts**



OK				
•	-			
Check the condition of the junction unit 7		Not OK	•	Overhaul or replace the unit
The rear fog lamps warning light	t is not	t working		
Check the condition of the warning light D in the switch panel 15		Not OK	•	Replace the warning light I
₩				
OK	]			
₩				
Check the condition of the switch panel 15	•	Not OK	•	Overhaul or replace the parel 15
Check the condition of the switch panel 15				
Check the condition of the				
Check the condition of the switch panel 15  The handbrake warning light is not be a switch by the BN coloured cable on the handbrake switch	not wor			Overhaul or replace the parel 15  Overhaul or replace the switch 40
Check the condition of the switch panel 15  The handbrake warning light is not be a switch by the BN coloured cable on the handbrake switch	not wor	king		el 15  Overhaul or replace th
Check the condition of the switch panel 15  The handbrake warning light is not be a switch an earth	not wor	king		el 15  Overhaul or replace th
Check the condition of the switch panel 15  The handbrake warning light is not be a switch by the BN coloured cable on the handbrake switch	not wor	king		el 15  Overhaul or replace th

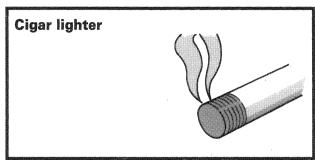
_				
+	7			
OK				
Bridge the BN coloured ca- ble on connector 11 with an earth	•	OK	•	Restore cont. for the BN coloured cable between connector 11 and switch 40
•				
Not OK				
•	•			
Bridge the BR coloured cable at connector C for the instrument panel 14 with an earth	•	OK	•	Restore continuity for BR coloured cable between panel 14 & connector 11
+	•			
Not OK				
	ı			
Check the condition of the instrument panel 14	•	Not OK	•	Overhaul or replace the panel 14
The handbrake warning light rema	ains o	n		
Extract the connector for the handbrake control switch 40 from its housing		OK	•	Overhaul or replace the switch 40
•				
Not OK				
•				
3M279N				

•				
Extract connector C in the instrument panel from its housing	•	ОК	-	Renew insulation for BR & BN coloured cable between panel 14 and switch 40
+				
Not OK				
+				
Check the condition of the instrument panel 14	-	Not OK	->	Overhaul or replace the panel 14

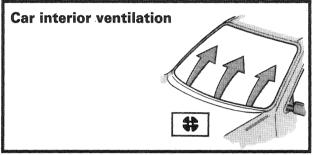
3M271N

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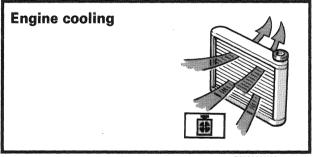
### Chart 9



P3M249N02



P3M249N01

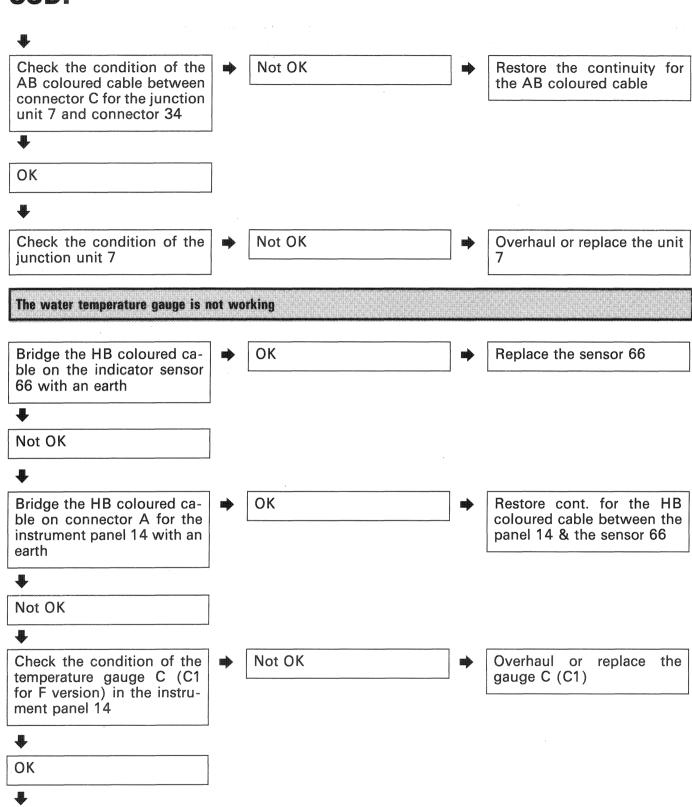


P3M249N03

The engine cooling fan is not wor	king			
Check the condition of the fuse 12 in the junction unit 7	•	Not OK		Check for a short circuit in the system and replace the fuse 12
₩				
OK				
•				
Bridge the N coloured cables on the electric fan control switch 65		OK	•	Overhaul or replace the switch 65
•				
Not OK				
<b>\</b>			_	
Bridge the N coloured cable (towards earth) on the switch 65 with an earth	•	OK	•	Restore the continuity for the N coloured cable be- tween the switch 65 and the right front earth 38
₩				L
Not OK				
<b>+</b>				
Bridge the N coloured cable (towards earth) on the electric fan 64 with an earth	•	OK	•	Restore the continuity for the N coloured cable be- tween the electric fan 64 and the switch 65
₩				
Not OK				
•				
Check the condition of the electric fan 64		Not OK		Overhaul or replace the electric fan 64
+				
OK				
₩				
Check for voltage at the AB coloured cable for connector 34		ОК		Restore cont. for the N coloured cable between connector 34 & electric fan 64
+				
Not OK				

#### **Analytical charts**

#### 55D.



Not OK

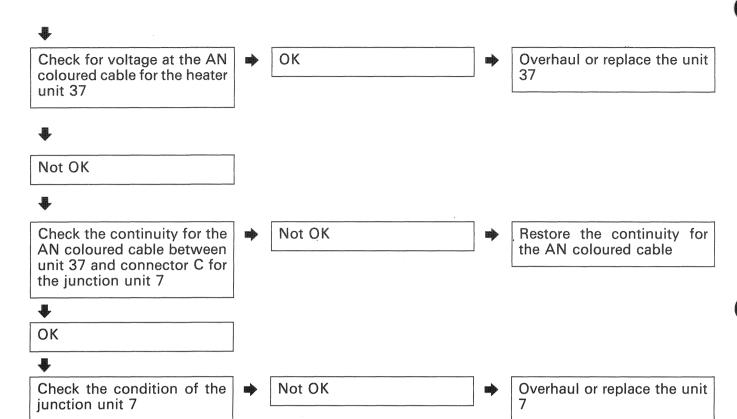
Check the condition of the

instrument panel 14

Overhaul or replace the pan-

el 14

	٦		7	
Bridge the N coloured cable on the cigar lighter 13 with an earth		OK	•	Restore cont. for N coloure cable between cigar light 13 & earth on the right dashboard 17
				ddoffbourd 17
Not OK				
+				
Check for voltage at the R coloured cable for the cigar lighter 13	•	OK	•	Overhaul or replace the cigar lighter 13
+	7			
Not OK				
+	1			
Check the cont. for the R coloured cable between the cigar lighter 13 and connector D for the junction unit 7	•	Not OK	•	Restore the continuity f the R coloured cable
<b>+</b>	J			
OK				
<b>\</b>	1			•
Check the condition of the unction unit 7	•	Not OK	•	Overhaul or replace the ur
The car interior heater fan is not	work	ing semi bisasan mengenakan kecamatan dan kerangan bisasan dan kerangan bisasan bisasan bisasan bisasan bisasa Birga semi bisasan bisa		
	7		7.	
The car interior heater fan is not  Check the condition of the fuse 15 in the junction unit 7		ing	•	1
Check the condition of the				the system and replace t
Check the condition of the fuse 15 in the junction unit 7				the system and replace t
Check the condition of the fuse 15 in the junction unit 7				Check for a short circuit the system and replace t fuse 15
Check the condition of the fuse 15 in the junction unit 7  Control  Control	•			Restore the continuity for to N coloured cable betwee unit 37 and the left front ea
Check the condition of the fuse 15 in the junction unit 7  Consider the N coloured cable in the heater unit 37 with an	•	Not OK	]	the system and replace t



55D.

Chart 10



P3M255N01

55D.

The A.B.S. system is not working	ı			
Check the condition of the fuse 31	•	Not OK	•	Check for a short circuit in the system and replace the fuse 31
<b>♣</b> OK				
1	1			
Check the continuity for the R coloured cable between the A.B.S. control unit 113 and the connector block 36	•	Not OK	•	Restore the continuity for the R coloured cable
•	•			
ОК				
•				
Check the continuity for the N coloured cable between the control unit 113 and the left front earth 39	•	Not OK	•	Restore the continuity for the N coloured cable
•				
OK				
<b>+</b>				
Check the condition of the relays in the A.B.S. control unit 113		Not OK	•	Replaces the relays in the control unit 113
+				
OK				
<b>\</b>				
Connect to the diagnostic socket 114 and carry out the operations using the Fiat Lancia Tester				

3M281 R

#### **Analytical charts**

55D.

Disconnect connector C in the instrument panel 14	•	Not OK	•	Overhaul or replace the panel 14
•				
ОК				
<b>+</b>				
Disconnect ZB cable for con. between dashboard cables & front cables 12		Not OK	•	Renew the insulation for the ZB coloured cable between panel 14 & connector 12
•				
OK				
+				
Disconnect the AR coloured cable at connector 35	•	Not OK	• `	Renew the insulation for the AR coloured cable between connector 35 and connector
				12
<b>+</b>				
OK				
+				
Disconnect the AR coloured cable at pin 1 for the A.B.S. control unit 113		Not OK	•	Renew the insulation for the AR coloured cable between connection 35 and control unit 113
•				
OK				
+			No.	
Connect to the diagnostic socket 114 and carry out operations with the Fiat Lancia Tester				



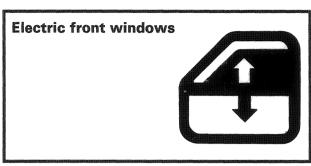
Operations to be carried out if the A.B.S. warning light remains on above at a speed of above 4 kph

55D.

#### The A.B.S. system failure warning light is not working Not OK Check the condition of the Replace the warning light M warning light M in the instrument panel 14 ₩ OK Bridge the AR coloured ca-OK Connect to the diagnostic ble in the A.B.S. control unit socket 114 and carry out the operations with the Fiat 113 with an earth Lancia Tester Not OK OK Bridge the ZB coloured ca-Restore the continuity for ble at connector C of the the ZB (AR) coloured cable panel 14 with an earth between panel 14 and control unit 113 Not OK ₩ OK Check for voltage at the CN Overhaul or replace the pancoloured cable, connector C el 14 for panel 14 Not OK Not OK Check cont. of CN coloured Restore the continuity for the CN coloured cable cable between connector C of panel 14 & connection between front cables & anti-lock braking system (A.B.S.) cables 35

55D.

Chart 11



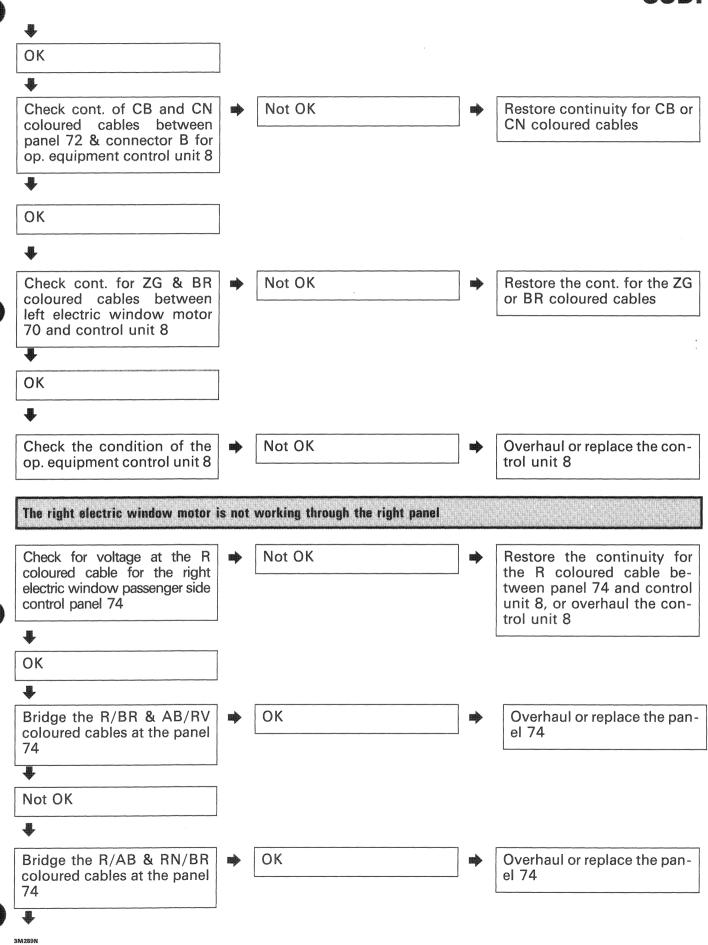
P3M261N01

55D.

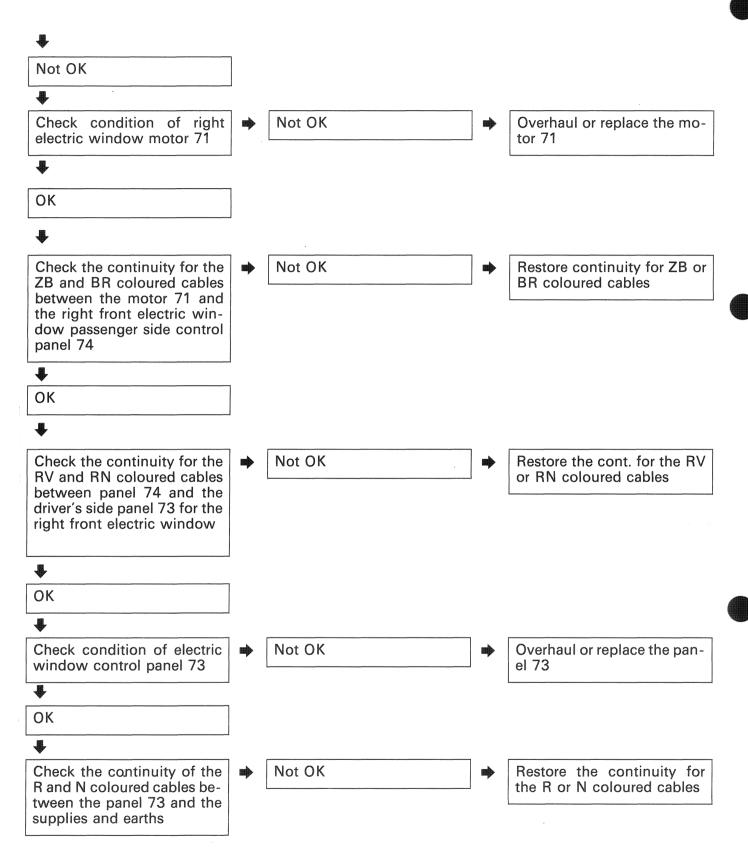
#### The electric front windows are not working Check the condition of the Not OK Check for a short circuit in fuse 10 in the junction unit 7 the system and replace the fuse 10 ₩ OK Bridge the N coloured cable OK Restore cont. for N coloured at connector F for the op. cable between control unit 8 equipment control unit with and earth on right of dashan earth board 17 Not OK Not OK Temporarily replace Replace the control unit E2 the electric windows control unit E2 in the optional equipment control unit 8 ₽ OK ₩ Not OK Restore the continuity for Check the continuity of the RV coloured cable between the RV coloured cable connector J for unit 7 and connector B for unit 8 ₽ OK • Not OK Check the continuity for the Restore the continuity for RN coloured cable between the RN coloured cable connector I for unit 7 and connector B for unit 8 ₽ OK Not OK Overhaul or replace units 7 Check the condition of the two junction units 7 and 8 or 8

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The left front electric window is a	not w	orking		
Bridge the N coloured cable, on the driver's side electric windows control panel 72 (left), with an earth	•	OK	•	Restore cont. for N coloured cable between panel 72 and earth on left of dashboard 16
+				· · · · · · · · · · · · · · · · · · ·
Not OK				
+				
Check for voltage at the R coloured cable for the panel 72	•	Not OK	•	Restore the cont. for the R coloured cable between panel 72 & connection 10
•				
ОК				
+				
Bridge the R/CB and N/CN coloured cables at the panel 72	•	ОК	•	Overhaul or replace the panel 72
+				
Not OK				
•				
Bridge the R/CN and N/CB coloured cables at the panel 72		ОК	•	Overhaul or replace the panel 72
+				
Not OK				
<b>\</b>				
Check the condition of the left electric window motor 70		Not OK		Overhaul or replace the motor 70
<b>+</b>				
OK				
•				
Check cond. of electric windows control unit E2 in op. equipment control unit 8	•	Not OK	•	Overhaul or replace the control unit E2
#				



#### **Analytical charts**



55D.

The right electric window motor e	does	not work through the left control	oanel	
Check for voltage at the R coloured cable for the right electric window 73 left control panel	•	Not OK	•	Restore the continuity for the R coloured cable be- tween panel 73 and control unit 8, or overhaul the con- trol unit 8
•				Lioi dine o
OK				
<b>.</b>				
Bridge the R/RN and N/RV coloured cables at the panel 73	-	ОК	•	Overhaul or replace the pan el 73
+				
Not OK				
<b>+</b>				
Bridge the R/RV and N/RN coloured cables at the panel 73		OK	•	Overhaul or replace the panel 73
<b>+</b>				
Not OK				
<b>+</b>				
Check the condition of the right electric window motor 71		Not OK	•	Overhaul or replace the motor 71
•				
OK				
•			_	
Check cont. of ZB & BR coloured cables between the right electric window motor 71 & the panel 74	•	Not OK		Restore the cont. for the ZB or BR coloured cables
•				
OK				
<b>*</b>				
Check the continuity for the RV and RN coloured cables between panels 73 and 74		Not OK		Restore the cont. for the RV or RN coloured cables
+				
OK				
				•

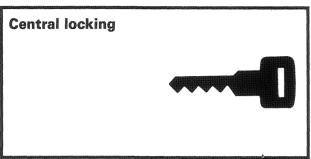
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#### Punto

•				
Check condition of electric window control panel 74	-	Not OK	•	Overhaul or replace the panel 74
+	ı			
OK				
•	I			
Check the continuity for the R and N coloured cables between panel 73 and supplies and earths		Not OK	•	Restore the continuity for the R or N coloured cables

55D.

## Chart 12



P3M267N01

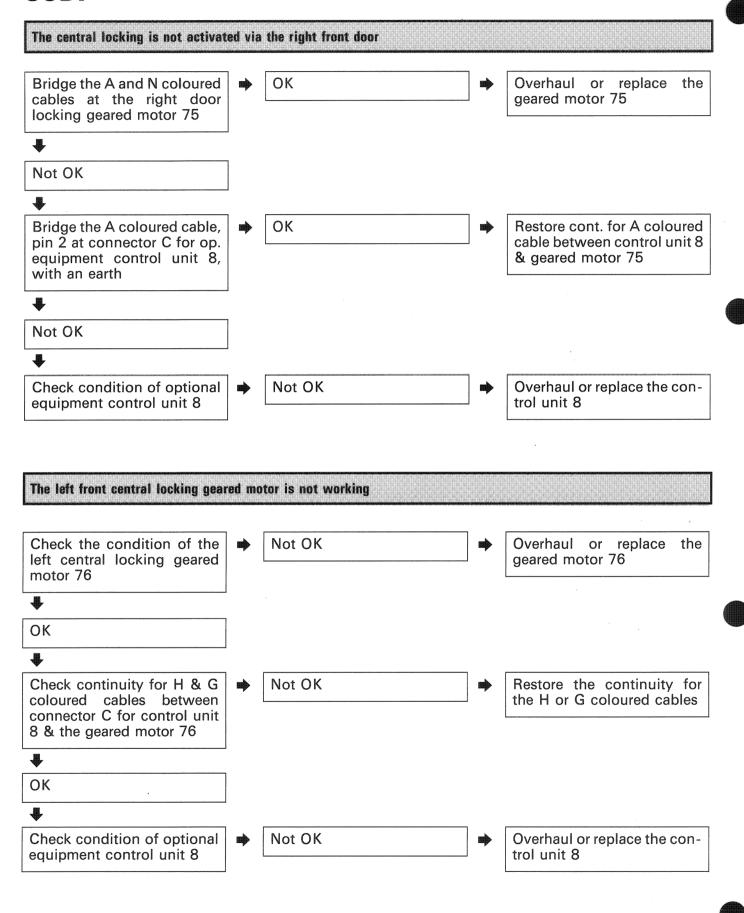
**Analytical charts** 

55D.

#### The central locking is not working Not OK Check for a short circuit in Check the condition of the the system and replace the fuse 3 in the control unit for optional equipment 8 fuse 3 OK Restore cont. for N coloured Bridge N cable at connector OK cable between control unit 8 F for op. equipment control unit with an earth & earth on right of dashboard 17 Not OK Replace the control unit E1 Temporarily replace the OK central locking control unit E1 in control unit 8 Not OK ₽ Not OK Check the condition of the Overhaul or replace the op. equipment control unit 8 op. equipment control unit 8 The central locking is not activated via the left front door OK Bridge the A and N coloured Overhaul or replace cables at the left door lockgeared motor 76 ing geared motor 76 Not OK Bridge the A coloured cable, OK Restore cont. for A coloured pin 1 at connector C for the cable between control unit 8 op. equipment control unit & geared motor 76 8, with an earth Not OK ₩ Not OK Check the condition of the Overhaul or replace the control unit 8 op. equipment control unit 8 3M295N

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#### **Analytical charts**



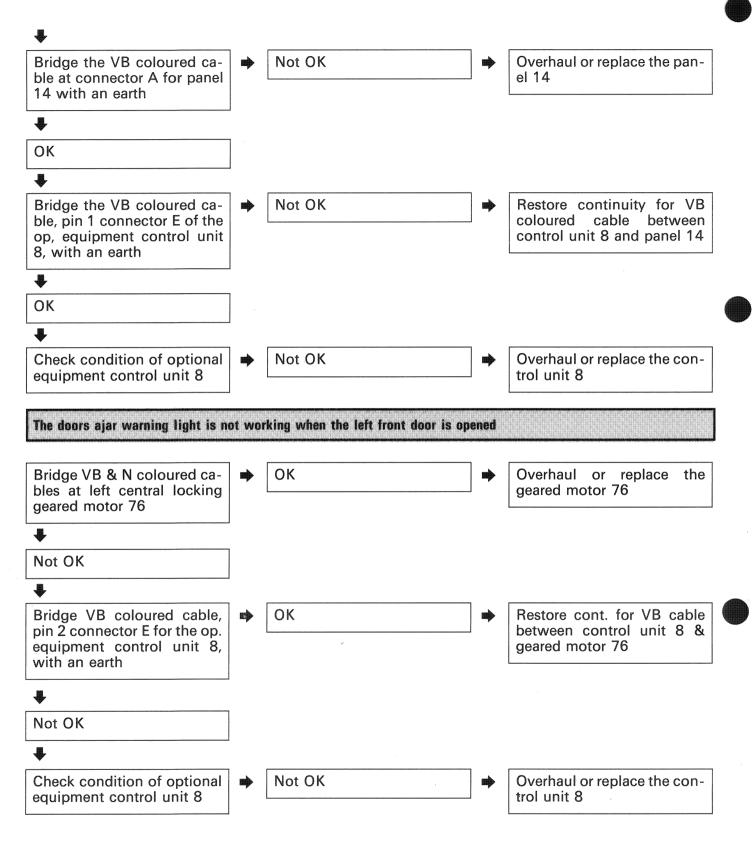
The right front central locking ge				
Check the condition of the right central locking geared motor 75	•	Not OK	•	Overhaul or replace the geared motor 75
+	1			
OK				
+	]			
Check cont. for H & G cables between connector C for op. equipment control unit & geared motor 75	•	Not OK	•	Restore the continuity for the H or G coloured cables
+	1			
OK				
+	1			
	-			0
Check condition of optional equipment control unit 8  The left rear door central locking	geare	Not OK  d motor is not working		trol unit 8
equipment control unit 8				trol unit 8
The left rear door central locking  Check the condition of the left central locking geared	geare	d motor is not working		Overhaul or replace the
The left rear door central locking  Check the condition of the left central locking geared motor 79	geare	d motor is not working		Overhaul or replace the
The left rear door central locking  Check the condition of the left central locking geared motor 79	geare	d motor is not working		Overhaul or replace the
The left rear door central locking  Check the condition of the left central locking geared motor 79  OK	geare	d motor is not working		Overhaul or replace the
The left rear door central locking  Check the condition of the left central locking geared motor 79    ◆  OK  Check cont. for H & G cables between connector C for op. equipment control unit 8 &	geare	d motor is not working  Not OK		Overhaul or replace the geared motor 79  Restore the continuity for
The left rear door central locking  Check the condition of the left central locking geared motor 79    ◆  Check cont. for H & G cables between connector C for op. equipment control unit 8 & geared motor 79	geare	d motor is not working  Not OK		Overhaul or replace the geared motor 79  Restore the continuity for
The left rear door central locking  Check the condition of the left central locking geared motor 79  ♣  OK  ♣  Check cont. for H & G cables between connector C for op. equipment control unit 8 & geared motor 79  ♣	geare	d motor is not working  Not OK		Overhaul or replace the geared motor 79  Restore the continuity for

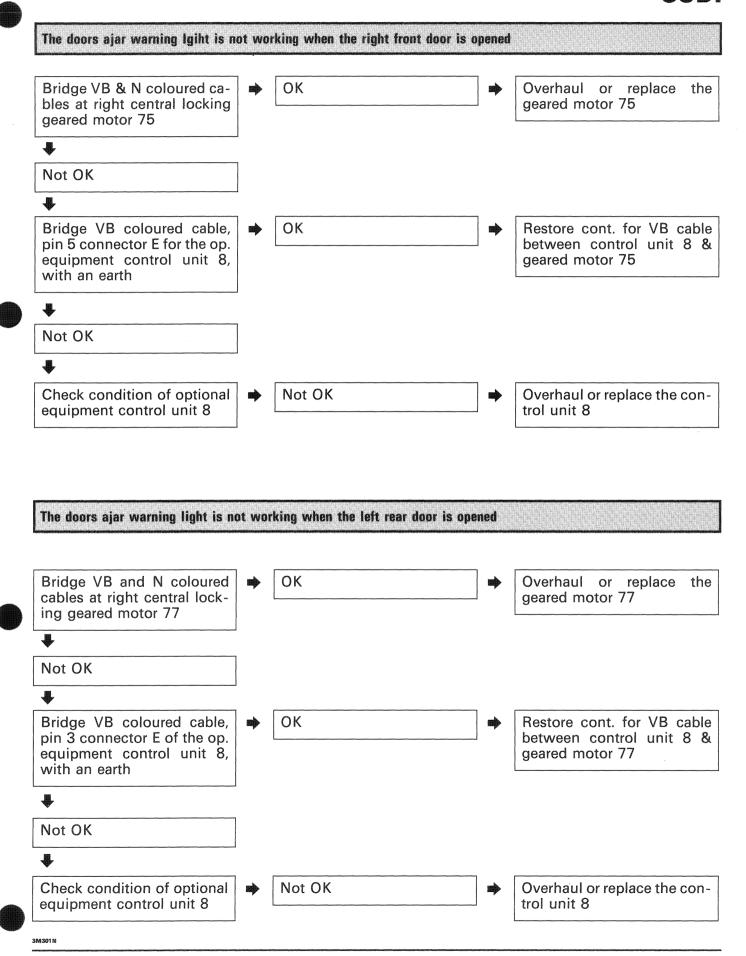
	ng gea	red motor is not working		
Check the condition of the right central locking geared motor 80		Not OK	•	Overhaul or replace the geared motor 80
•				
OK	7			
1	_			
Check cont. for the H & G cables between connector for op. equipment control unit 8 & geared motor 80	•	Not OK	•	Restore the continuity for the H or G coloured cables
+				
OK				
+				
Check condition of optional equipment control unit 8		Not OK	•	Overhaul or replace the control unit 8
	٠.			
The central locking is not actival	ted via	the remote control	ļ	
Check that the remote control is correctly supplied		Not OK	•	Renew the correct supply for the remote control
	•	Not OK	•	
	•	Not OK	•	
trol is correctly supplied	•	Not OK	<b>→</b>	
trol is correctly supplied		Not OK	m <b>&gt;</b>	
trol is correctly supplied  ◆ OK  Bridge the N coloured cable at the remote control receiv-	]		•	Restore the continuity for the N coloured cable between the receiver 49 and
trol is correctly supplied  ◆ OK  Bridge the N coloured cable at the remote control receiv-	]		m>	Restore the continuity for the N coloured cable between the receiver 49 and
Trol is correctly supplied  OK  Bridge the N coloured cable at the remote control receiver 49 with an earth	]		•	Restore the continuity for the N coloured cable between the receiver 49 and
<ul> <li>trol is correctly supplied</li> <li>◆</li> <li>OK</li> <li>◆</li> <li>Bridge the N coloured cable at the remote control receiver 49 with an earth</li> <li>◆</li> </ul>	]		•	Restore the continuity for the N coloured cable between the receiver 49 and

3M298N

•				
OK				
<b>\</b>	_			
Check for voltage at the BR coloured cable, connector G for the junction unit 7		Not OK		Overhaul or replace the unit 7
•				
ОК				
•	_			
Check the continuity for the BC coloured cable between the receiver 49 and the op. equipment control unit 8		Not OK		Restore the continuity for the BC coloured cable
+	_			
OK				
<b>+</b>	1			
Check the condition of the remote control receiver 49	•	Not OK		Overhaul or replace the receiver 49
1	7			13
OK				
•	7		7	
Check cond. of central lock- ing control unit E1 at the op. equipment control unit 8	<b>&gt;</b>	Not OK		Replace the central locking control unit E1
	1			
OK	-			
•	1			
Check condition of optional equipment control unit 8	•	Not OK		Overhaul or replace the control unit 8
The doors ajar warning light is n	at wo	rking		
	1	,	1	
Check the condition of the warning light R in the instrument panel 14		Not OK		Replace the warning light R
<b>+</b>	I			
ОК				
*				
3M299N				

#### **Analytical charts**



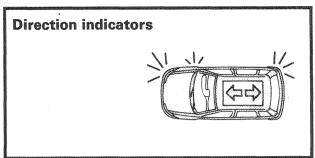


## Punto

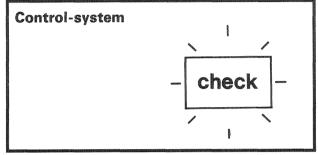
The doors ajar warning light is n	ot wo	king when the right rear door i	s opened	
Bridge VB & N coloured ca- bles at the right central lock- ing geared motor 80		OK	•	Overhaul or replace the geared motor 80
+	1			
Not OK				
•	1			
Bridge VB coloured cable, pin 4 connector E of the op. equipment control unit 8, with an earth	•	ОК	•	Restore cont. for VB cable between control unit 8 & geared motor 80
	1			
Not OK				
+	,			
Check condition of optional equipment control unit 8	•	Not OK	•	Overhaul or replace the control unit 8

55D.

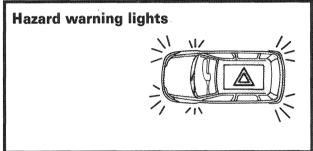
## Chart 13



P3M273N02



P3M273N01



P3M273N03

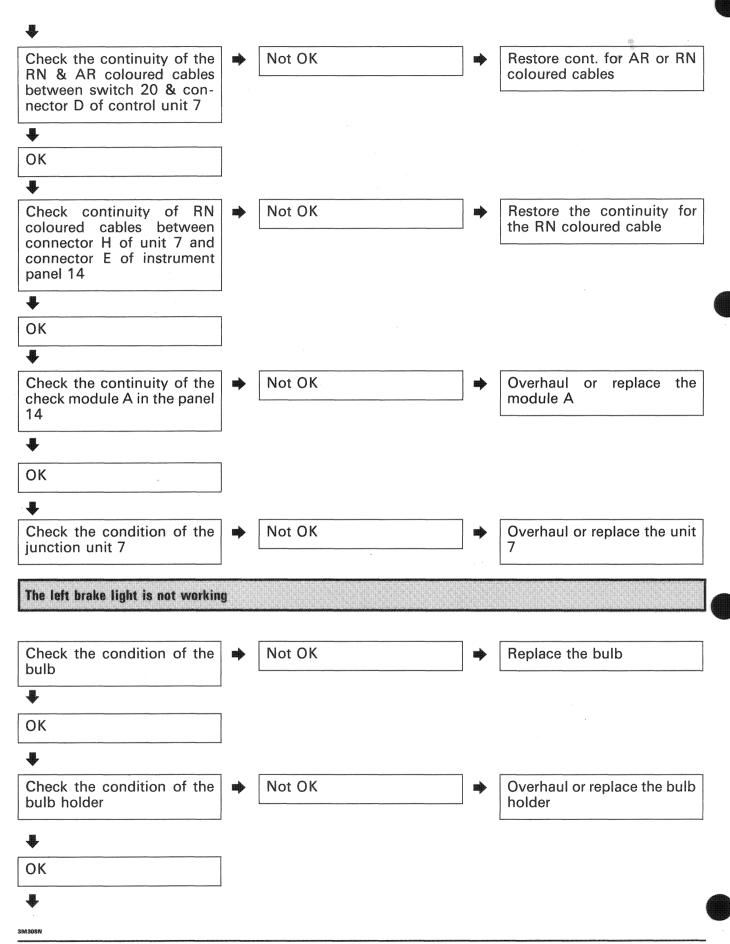
	١.	AL COK		
Check the condition of the timer D in the steering column switch unit 4	<b> </b>	Not OK	•	Replace the timer D
•	•			
OK				
<b>+</b>				
Check condition of steering column switch unit 4		Not OK	•	Overhaul or replace steering column switch unit 4
The hazard warning lights are not	work	ing		
Check the condition of the fuse 9 in the junction unit 7		Not OK	•	Check for a short circuit in the system and replace the fuse 9
•				
ОК				
+				
Check condition of hazard w/lights control switch in s/column switch unit 4	•	Not OK	•	Overhaul or replace the switch C
<b>↓</b>				
OK				
<b>+</b>				
Check the continuity for the AB coloured cable between junction unit 7 and steering column switch unit 4		Not OK	•	Restore the continuity for the AB coloured cable
<b>↓</b>				
OK				
•				
Check condition of steering column switch unit 4		Not OK	•	Overhaul or replace steering column switch unit 4
1				
OK				
+				
Check the condition of junction unit 7		Not OK	-	Overhaul or replace the unit

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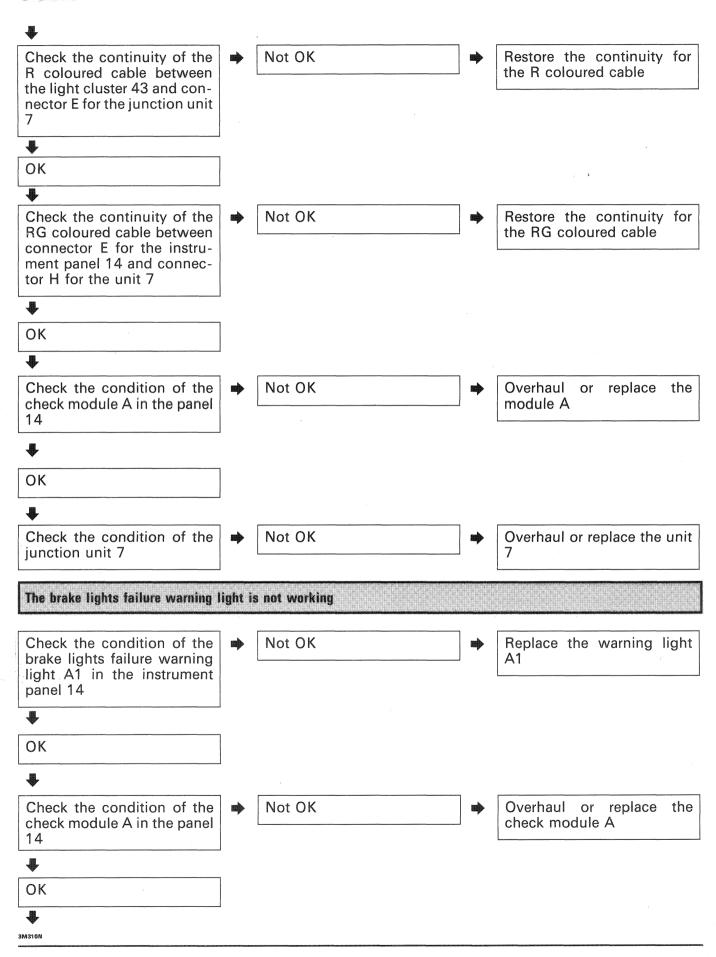
The hazard warning lights warnin	g ligh	t is not working		
Check cond. of hazard warning lights w/light E in s/column switch unit 4	•	Not OK		Replace the warning light E
₩	l			
OK				
•				
Check condition of steering column switch unit 4	•	Not OK		Overhaul or replace steering column switch unit 4
The direction indicators are not w	orkin	g on the left side		
Check cond. of switch A in s/column switch unit 4	•	Not OK	•	Overhaul or replace the switch A
+				
OK				•
•				
Check cont. of AN coloured cable between steering column switch unit 4 and junction unit 7	<b>⇒</b>	Not OK	•	Restore the continuity for the AN coloured cable
•				
ОК				
<b>+</b>				
Check the condition of the junction unit 7		Not OK	•	Overhaul or replace the unit 7
The direction indicators are not w	orking	on the right side		
Check cond. of switch A in s/column switch unit 4	•	Not OK	•	Overhaul or replace steering column switch unit A
<b>\</b>				<u></u>
OK				
•				
Check the continuity of the A coloured cable between steering column switch unit 4 and junction unit 7		Not OK		Restore the continuity for the A coloured cable
+				

OK				
+				
Check the condition of the junction unit 7		Not OK		Overhaul or replace the unit 7
The direction indicators warning li	ight i	s not working		
Check the condition of the warning light H in the instrument panel 14	•	Not OK	•	Replace the warning light H
+				
OK				
•				
Check cont. for A & AN coloured cables between connector A in instrument panel 14 & control unit 7	•	Not OK	•	Restore the continuity for the A or AN coloured cables
•				
OK				
Check the condition of the instrument panel 14	•	Not OK	•	Overhaul or replace the panel 14
•				-
OK ·				
+			,	
Check the condition of the junction unit 7	•	Not OK		Overhaul or replace the unit 7
The brake lights are not working				
Bridge the RN and AR coloured cables at the brake lights control switch 20	•	ОК		Overhaul or replace the switch 20
•				
· · · · · · · · · · · · · · · · · · ·				



<b>♣</b>				
Check the continuity of the R coloured cable between the light cluster 44 and connector E for the junction unit 7	•	Not OK	•	Restore the continuity for the R coloured cable
+				
OK				
+				
Check the continuity for the RG coloured cable between connector E for the instrument panel 14 and connector J for the unit 7	•	Not OK	•	Restore the continuity for the RG coloured cable
<b>*</b>				
OK				
<b>+</b>			7	
Check the condition of the check module in the panel 14	•	Not OK	•	Overhaul or replace the module A
<b>+</b>				
ОК				
Check the condition of the junction unit 7	•	Not OK	•	Overhaul or replace the unit 7
The right brake light is not working	ng			
Check the condition of the bulb	•	Not OK	•	Replace the bulb
+				
OK				
OK .				
<b>♣</b>				
Check the condition of the bulb holder	<b>&gt;</b>	Not OK	<b>•</b>	Overhaul or replace the bulb holder
♣ Check the condition of the	<b>&gt;</b>	Not OK	•	
♣ Check the condition of the	•	Not OK	•	
Check the condition of the bulb holder	<b>→</b>	Not OK	•	

#### **Analytical charts**

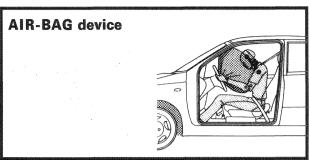


•				
Bridge the NZ coloured cable at connector E of the instrument panel 14 with an earth	•	ОК	•	Restore cont. for NZ coloured cable between instrument panel & earth on left of dashboard 16
+	1			<del>,</del>
Not OK				
•	1		1	
Check cont. of AR coloured cable between connector I for junction unit 7 and connector E for panel 14	•	Not OK	•	Restore the continuity for the AR coloured cable
The reversing lights are not work	ing			
Bridge the AR and B coloured cables at the reversing switch 21	•	OK		Overhaul or replace the switch 21
•	•			
Not OK				
•				
Check the cont. for the AR & B coloured cables between the switch 21 & connector D for the junction unit 7	•	Not OK	•	Restore the continuity for the AR or B coloured cables
<b>*</b>				
ОК				
+				
Check the condition of the junction unit 7	•	Not OK	•	Overhaul or replace the unit 7
The left reversing light is not wo	king			
,			1	
Check the condition of the bulb		Not OK		Replace the bulb
•				
OK				
2882911 N				

•				
Check the condition of the bulb holder	<b>&gt;</b> 2	Not OK	•	Overhaul or replace the bulb holder
+				
OK				
•				
Check the condition of the B coloured cable between the left rear light cluster 44 and connector G, pin 11 of the junction unit 7	•	Not OK	•	Restore the continuity for the B coloured cable
<b>+</b>				
OK				
<b>+</b>				
Check the condition of the junction unit 7	•	Not OK	•	Overhaul or replace the junction unit 7
The right reversing light is not w	orkinç			
Check the condition of the bulb	•	Not OK	•	Replace the bulb
•				
OK				
+				
Check the condition of the bulb holder	•	Not OK	•	Overhaul or replace the bulb holder
<b>\</b>				*
OK				
<b>↓</b>	ı		1	
Check the condition of the B coloured cable between the right rear light cluster 43	•	Not OK	•	Restore the continuity for the B coloured cable
and connector G, pin 12 of the junction unit 7				
<b>\</b>	I			
OK _				
	١.	N OK	1 .	
Check the condition of the junction unit 7	2	Not OK	•	Overhaul or replace the junction unit 7
NR312N				

55D.

## Chart 14



P3M279N01

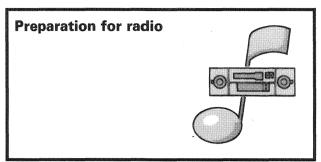
55D.

#### Preliminary checks on the AIR-BAG system Check the continuity of the Not OK Restore the continuity for AR coloured cable between the AR coloured cable connector I of the junction unit 7 and the AIR-BAG control unit 110 ♣ OK Ŧ Not OK Check the continuity of the Restore the continuity for N coloured cable between the N coloured cable control unit 110 and the left front earth 39 ₽ OK Check the condition of the Not OK Replace the warning light Y warning light Y in the instrument panel 14 ₩ OK ₽ Check the continuity of the Not OK Restore the continuity for H and L coloured cables bethe H or L coloured cables tween control unit 111 and control unit 110 ₽ OK Check the continuity of the Not OK Restore the continuity for H and L coloured cables bethe H or L coloured cables tween control unit 108 and control unit 110 OK Connect to the diagnostic socket 112 and carry out operations with the Fiat Lancia Tester

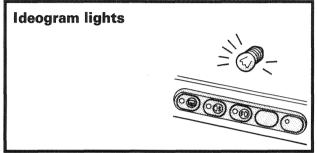
Analytical charts

55D.

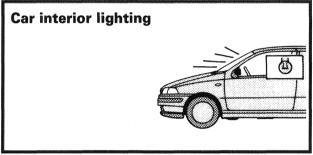
## Chart 15



P3M285N02



P3M285N01



P3M285N03

Check the condition of the fuse 10 in the junction unit 7	Not OK	•	Check for a short circuit in
			the system and replace the fuse 10
•			
OK			Α.
<b>\</b>	•		
Check the condition of the junction unit 7	Not OK	•	Overhaul or replace the junction unit 7
The courtesy light is not warking			
Bridge the N coloured cable in the courtesy light 45 with an earth	ОК	•	Restore the continuity for the N coloured cable between the courtesy light 45 and the left rear earth 51
+			and the left leaf earth 51
Not OK			
<b>.</b>			
Check the continuity for the BR coloured cable between the courtesy light and the junction unit 7	Not OK	•	Restore the continuity for the BR coloured cable
+			
OK			
•			
Check the condition of the courtesy light 45	Not OK		Overhaul or replace the courtesy light 45
•			
OK			
•			
Check the condition of the junction unit 7	Not OK		Overhaul or replace the junction unit 7

## Punto

# Fault diagnosis Analytical charts

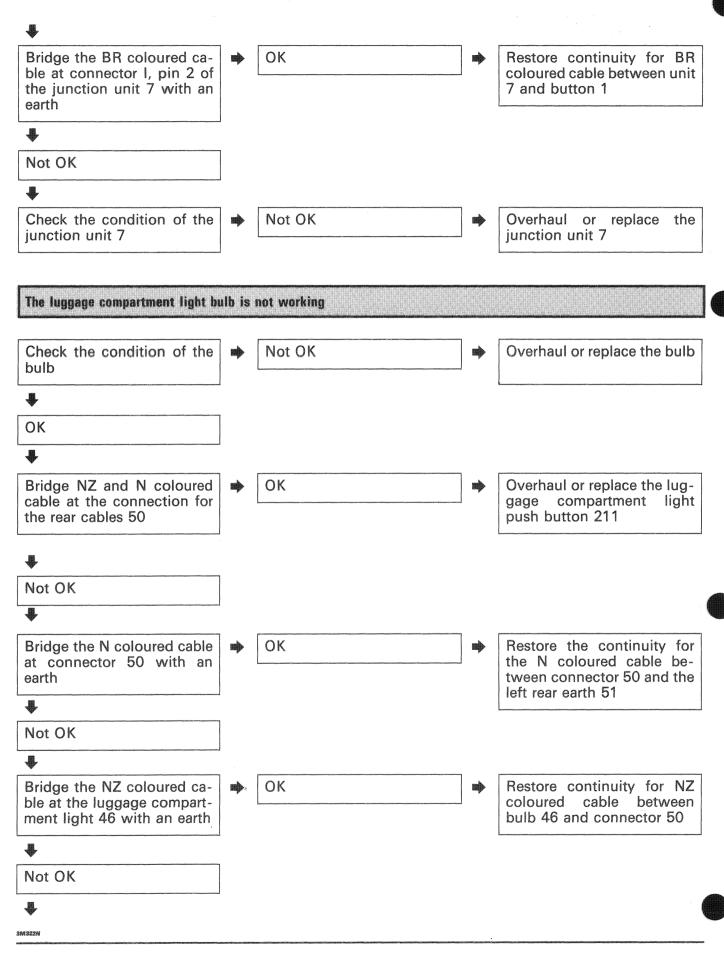
The map reading light in the cou	tesy l	ight is not working		
Check the condition of the bulb	<b>&gt;</b>	Not OK	•	Replace the bulb
•	1			
OK				
•	j			
Check condition of push button for map reading light in courtesy light 45	•	Not OK		Overhaul or replace the push button
•	1			
OK				
•	l			
Check the condition of the courtesy light 45	•	Not OK	•	Overhaul or replace the courtesy light 45
The front courtesy light does not	work	when one of the front doors is ope	ned	
Check the condition of the bulb		Not OK	<b>&gt;</b>	Replace the bulb
•				
OK .				
,				
Pridge the PV coloured on		Not OK	7	Overhaul or replace the
Bridge the BV coloured cable in the courtesy light 45 with an earth		NOT OK		Overhaul or replace the courtesy light 45
•				
OK				
•				
Bridge the BV coloured cable at connector E for the junction unit 7 with an earth		Not OK		Restore continuity for BV coloured cable between courtesy light 45 & unit 7
•				
OK				
•				
Check the condition of the junction unit 7	•	Not OK		Overhaul or replace the junction unit

55D.

The courtesy light does not work	when	the left front door is opened	
Bridge the BR and N coloured cables at the courtesy light control button 2		ОК	Overhaul or replace the button 2
•	1		
Not OK			
•	j		
Bridge the N coloured cable at the button 2 with an earth	•	OK	Restore continuity for N coloured cable between button 2 & earth on left of dashboard 16
•	2		dashboard 16
Not OK			
. 🖡			
Bridge the BR coloured cable at connector I, pin 1 for the junction unit 7 with an earth		OK	Restore the continuity for the BR coloured cable be- tween unit 7 and button 2
•	ı		
Not OK			
₩.			
Check the condition of the junction unit 7	•	Not OK	Overhaul or replace the junction unit 7
The courtesy light does not work	when	the right front door is opened	
Bridge the BR and N coloured cables at the courtesy light push button 1		ОК	Overhaul or replace the button 1
•			
Not OK			
+			
Bridge the N coloured cable at push button 1 with an earth	•	ОК	Restore continuity for N coloured cable between button 1 & earth on right of dashboard 17
•			Guoribodia 17
Not OK			
+			
3M321N			

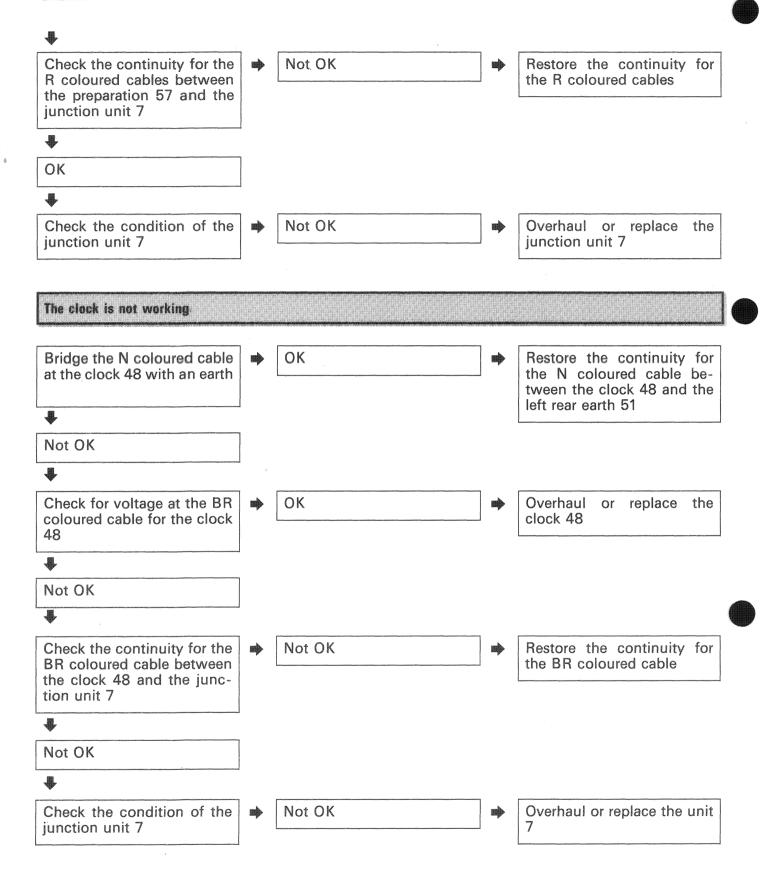
121

#### **Analytical charts**



•				
Check the continuity for the BR coloured cable between the bulb 46 and connector G for the junction unit 7		Not OK		Restore the continuity for the BR coloured cable
•	oosa			
OK				
₩	ı			
Check the condition of the junction unit 7	•	Not OK		Overhaul or replace the junction unit 7
The ideogram lights in the instrur	nent j	panel are not working		
Check the condition of the instrument panel 14		Not OK		Overhaul or replace the in strument panel 14
+	1			
OK				
+				
Check the condition of the GN coloured cable between the panel 14 and the junction unit 7 (only if the side lights warning light is not working)		Not OK		Restore the continuity for the GN coloured cable
				nintus (1916) sen ang ang ang ang ang ang
The radio system is not supplied				
Bridge the N coloured cable at the preparation for the ra-	•	ОК		Restore cont. for N coloured cable between preparation 57A earth on left of dash
dio 57A with an earth				board 16
+				
+	•	OK	•	
Not OK  Check for voltage at the R coloured cables for the pre-	m <b>&gt;</b>	OK	mþ	board 16
Not OK  Check for voltage at the R coloured cables for the preparation 57	**	OK	mþ	board 16

#### **Analytical charts**



55D.

The clock does not display characters with the ignition switch in the ON position					
Check for voltage at the AR coloured cable at the clock 48		ОК	•	Overhaul or replace the clock 48	
•					
Not OK					
•	ī				
Check the continuity of the AR coloured cable between the clock 48 and the junction unit 7		Not OK		Restore the continuity for the AR coloured cable	
•					
OK					
•			-		
Check the condition of the junction unit 7		Not OK	-	Overhaul or replace the junction unit 7	

3M325N