



## Panda All versions

10

39.96

### 1080 E 261 MA FUEL VAPOUR RECIRCULATION VALVE Service solution for cases of noise

#### TYPE OF PROBLEM

When using the vehicle when cold, there may be a noise under the dashboard coming from the right front section, similar to the tappets knocking

#### OPERATIONS IN PRODUCTION

Adoption of new silenced solenoid valves and/or new solenoid valve supports

#### SERVICE SOLUTION

Replacing the petrol vapour recirculation solenoid valve with the silenced one

#### OPERATING CYCLE

Identify the petrol vapour recirculation solenoid valve.

- Remove the solenoid valve inlet/outlet pipes and disconnect the electrical connection
- Remove the solenoid valve and replace it with the silenced one no. 46461294 (Siemens) or no. 46448162 (Magneti Marelli)
- Refit the components in the reverse order to the removal

**NOTE** *The solenoid valves can be from either Magneti Marelli or Siemens; when replacing them, it is not necessary to fit one from the same supplier as the original one*

10.39.96

Panda

1080 E 261 MA

FUEL VAPOUR RECIRCULATION VALVE

2/2

IF56D6

### AVAILABILITY OF SPARE PARTS

Siemens solenoid valve           no. 46461294    Q.1  
Magneti Marelli solenoid valve   no. 46448162    Q.1

### INFORMATION FOR THE CLAIM

Operation	Piece	Fault	Position	Time allocation
1080114	1	MA	-	hours 0.30

## Fiat Punto 55 - 60 - 75 All versions

10

41.96

1080 E 261 MA

**FUEL VAPOUR RECIRCULATION VALVE**

**Service solution for cases of noise**

### TYPE OF PROBLEM

When using the vehicle when cold, there may be a noise under the dashboard coming from the front right section which is similar to the tappets knocking

### OPERATIONS IN PRODUCTION

Adoption of a new silenced solenoid valve and/or new solenoid valve supports

### SERVICE SOLUTION

Replace the petrol vapour recirculation solenoid valve with the silenced one

### OPERATING CYCLE

Identify the petrol vapour recirculation solenoid valve (on versions with power assisted steering and/or air conditioning it is located under the right wheel arch; the right wheel and the wheel arch liner have to be removed)

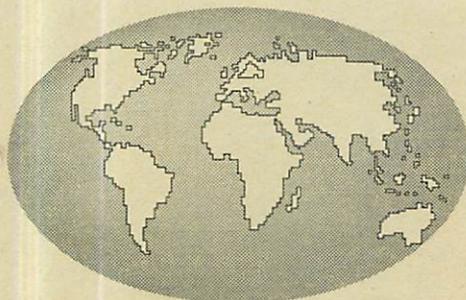
- Remove the solenoid valve inlet/outlet pipes and disconnect the electrical connection
- Remove the solenoid valve and replace it with the silenced one no. 46448162
- Refit the components in the reverse order to the removal

**AVAILABILITY OF SPARE PARTS**

Solenoid valve no. 46448162 Q.1

**INFORMATION FOR THE CLAIM**

Operation	Piece	Fault	Position	Time allocation
1080114	1	MA	-	hours 0.50 (power steering and/or air cond.)
1080115	1	MA	-	hours 0.20



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5/94

### Panda

101

101 01 401 25 (1016 C 105 RA - new Flat rate manual)

#### CYLINDER HEAD GASKET Service solution for cases of knocking

Version: Petrol 1.0 SPI Weber

#### TYPE OF PROBLEM

Knocking with the engine working hard.

#### OPERATIONS IN PRODUCTION

From engine no. 5275330 the exact compression ratio has been restored.

#### SERVICE SOLUTION

Replacing the cylinder head gasket with another thicker one supplied by the Parts Division no. 5894974.

#### Operating cycle

Replace the cylinder head gasket following the instructions given in the Service Manual.

#### Availability of spare parts

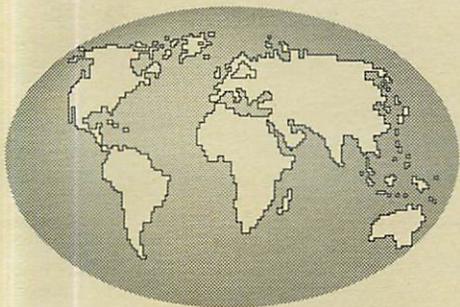
Cylinder head gasket no. 5894974

#### INFORMATION FOR THE CLAIM

OLD CODE			NEW CODE		
Operation	Piece	Fault	Operation	Piece	Fault
1016106	1	25	1016106	1	RA
Time allocation hours 1.90			Time allocation hours 1.90		

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### Panda

101

101 01 401 05 (1016 C 105 RA - new Flat rate manual)

### CYLINDER HEAD GASKET Service solution for cases of knocking

Version: 899/903 SPI

#### TYPE OF PROBLEM

Knocking (detonation) with engine running under pressure.

#### SERVICE SOLUTION

Replacing the cylinder head gasket with one 1.5 mm larger available by quoting part no. 46402972.

#### Operating cycle

Replace the cylinder head gasket, following the instructions given in the Service Manual.

#### Availability of spare parts

Cylinder head gasket n° 46402972

#### INFORMATION FOR THE CLAIM

OLD CODE			NEW CODE		
Operation	Piece	Fault	Operation	Piece	Fault
1016104	1	05	1016104	1	AD
Time allocation hours 2.20			Time allocation hours 2.20		

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No. 9/91

P A N D A 101

## 101 01 481 01 TIGHTENING CYLINDER HEAD torque + angle system



Version: Petrol with 770 and 903 cc engine (1 camshaft in crankcase)

Torque + angle tightening system adopted and cylinder head gasket with relevant screws consequently replaced.

FIG. A

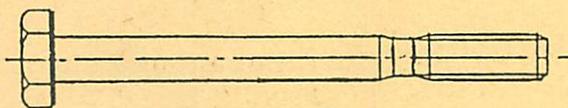
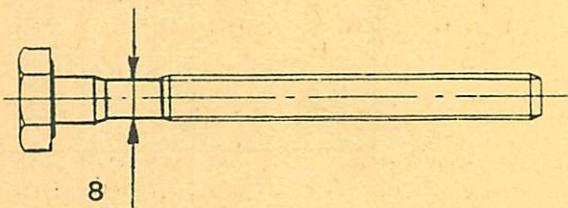


FIG. B



### ANTE-MODIFICATION SOLUTION (up to eng.no.8 581 458)

- Screws as per figure A
- Cylinder head gasket with silicone added on one side only
- Screws torque tightened to 6 daNm

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101 01 481 01 TIGHTENING CYLINDER HEAD

POST-MODIFICATION SOLUTION (from eng.no.8 581 459)

- Screws as per figure B
- Cylinder head gasket with silicone added on both sides
- Screws torque + angle tightened to 3 daNm + 90°+90°.

NOTE On P.M. engines re-tightening of the screws  
==== is no longer required on "Free Service  
Coupon" or after 1000...1500 km from the  
first re-tightening on service, if performed.

Effective:

Engine  
8 581 459

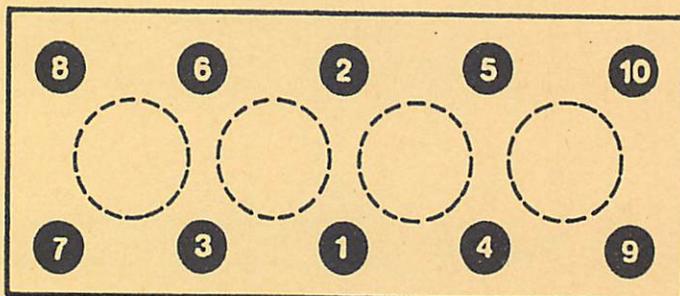
**Availability of spares**

Part Nos. of the new components are the following:

- 7648248 cylinder head gasket
- 7648250-7648251 screws TE M9 x 1.25

**Service Actions**

Cylinder head screws are to be tightened according  
to the sequence shown in the figure.



- 1) Lubricate screws and washers with VS 30 oil and let them drip 30 minutes at least.
- 2) Tighten the screws to 2 daNm
- 3) Torque tighten to 3 daNm

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101 01 481 01 TIGHTENING CYLINDER HEAD

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- 4) Additionally tighten the screws with a standard wrench by a 180° angular rotation in two distinct steps (90°+90°) according to the sequence prescribed.

Operating Time of the "Coupon" for P.M. cars is 0.80 hours.

#### UPDATING SERVICE LITERATURE

The above updates all service literature of your own.



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P A N D A 101

101 06 200 67 TIMING CHAIN AND GEARS  
Service solution for fitting chain tensioner

Version: Petrol 750 and 903 (Single camshaft in crankcase)

When replacing timing chain and gears of cars up to chassis no. 4 317 000 (Termini Imerese) and chassis no. 6 889 817 (Desio) the chain tensioner can be fitted, so making the control more silent and updating the engine with P.M. solution

Service procedure to be followed is reported below:

### OPERATING CYCLE

- After having replaced chain and gears and before fitting the cover, fit the shoe part no. 7661126 with bracket no. 7711828, fixing it by ring part no. 11087776. All the above parts are available as spare.
- Fit shoe-bracket assembly under support no. 1 of crankshaft (see fig. 2)
- Tighten support bolts at 6.9 daNm
- Rotate plastic lever of 60...90 degrees alternatively, in order to disengage tensioning spring of the shoe (see fig. 3)
- Fit the new cover part no. 7663711

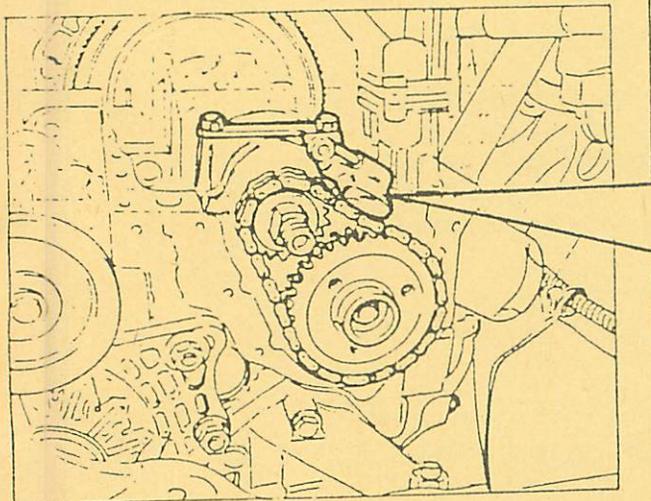


FIG. 2

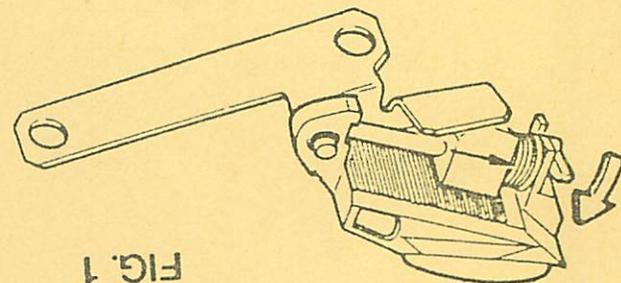


FIG. 1

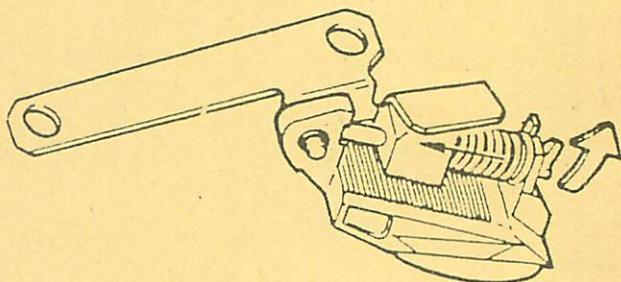
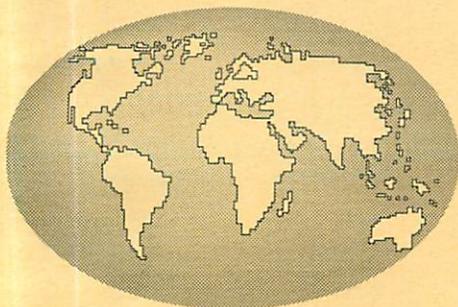


FIG. 3

Operating Time  
2.90 hours

This service action is to be coded under  
101 06 200 01.



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Panda

101

101 07 781 36 (1036 H 341 LF - new Flat rate manual)

### ROCKER ARM SHAFT Service solution for cases of hardening

Version: 899 cc engine

#### TYPE OF PROBLEM

Noisy tappets caused by the hardening of the rocker arm shaft.

#### OPERATIONS IN PRODUCTION

From engine no. 9038211 the rocker arm shaft thrust washers have been replaced.

#### SERVICE SOLUTION

Replacing the 1.5 mm washer with another one 1.2 mm thick no. 46419826.

#### Operating cycle

Following the instructions given in the Service Manual proceed as follows:

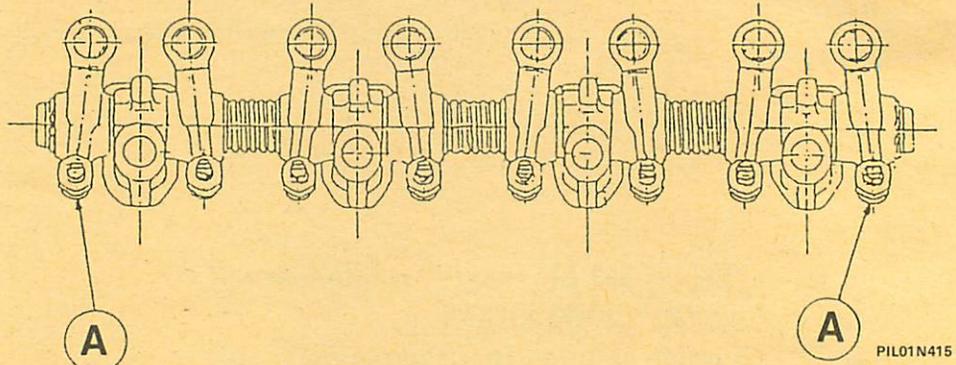
- Remove the rocker arm shaft.
- Remove rocker arms 1-8 from the shaft (A in figure 1).
- Replace the two thrust washers shown in figure 2 with different ones ordered from the Parts Division by quoting no. 46419826.
- Refit the rocker arms.
- Fill the tappets with oil as described in the Service Manual.
- Refit the rocker arm shaft.

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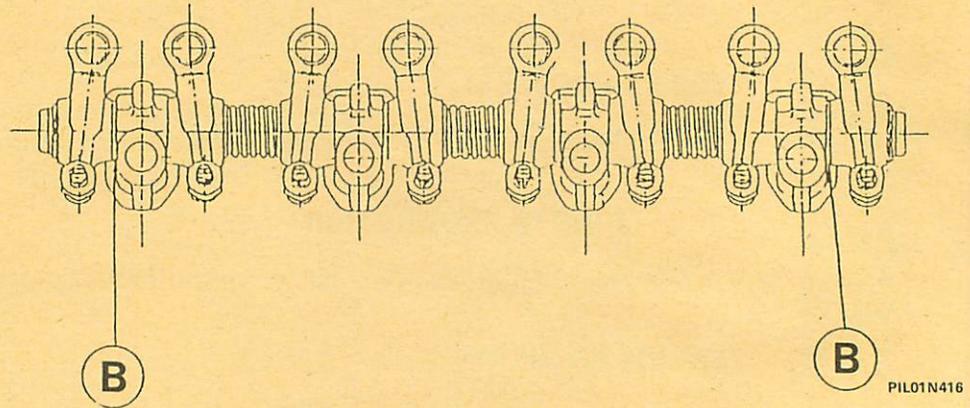


**FIGURE 1**



A) Rocker arms 1-8

**FIGURE 2**



B) Washers to replace

**Availability of spare parts**

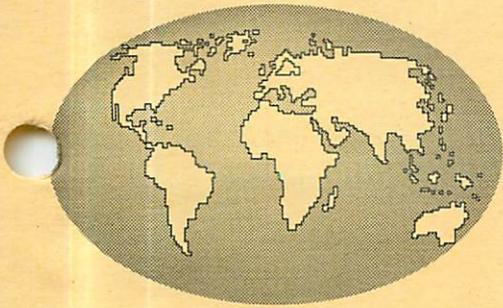
Washer no. 46419826

**INFORMATION FOR THE CLAIM**

Operation	Piece	Fault	Position	Time allocation
1036101	1	LF (*)	-	hours 1.20

(\*) 36 old fault code

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### Panda

**102**

102 01 401 59

(1080 E 131 EC - new Flat rate manual)

#### FLOAT VALVE FOR FUEL ANTI-EVAPORATION SYSTEM

#### Service solution for cases of fuel spillage

Reference I.S. no. 4/94 - Cancels and replaces the subject in question with details of the colour of the spare part.

Version: All versions

#### TYPE OF PROBLEM

Petrol escaping.

#### OPERATIONS IN PRODUCTION

A modified valve has been fitted, which can be recognized as it is grey rather than white, starting from the following chassis numbers:

no. 1 034 586 Mirafiori

no. 8 055 200 Termini Imerese

#### SERVICE SOLUTION

Replacing the float valve with a modified one supplied by the Parts Division no. 7689120 which although it is the post-modification type can be either white or grey.

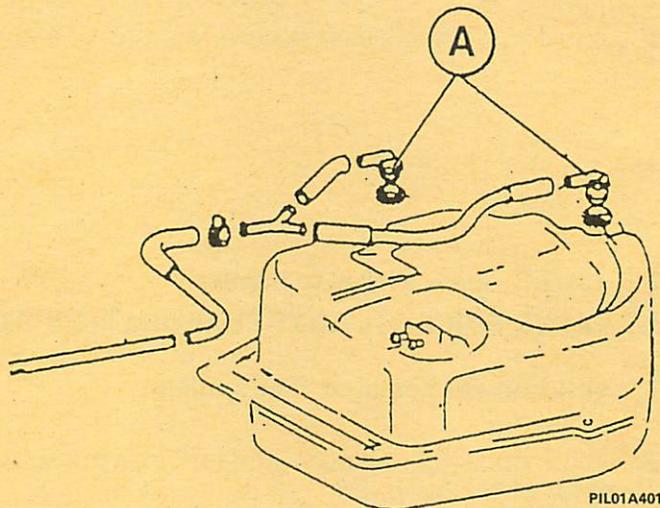
#### Operating cycle

- Remove the petrol tank.
- Replace the two float valves with new ones ordered from the Parts Division no. 7689120.
- Refit the tank.

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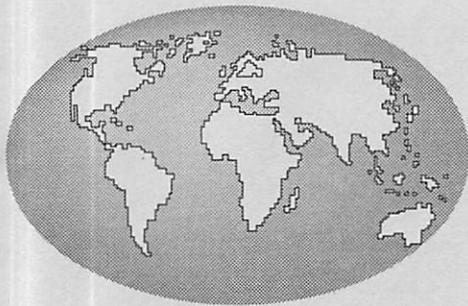
A) Float valve

#### Availability of spare parts

Post-modification float valve no. 7689120 (either white or grey in colour).

#### INFORMATION FOR THE CLAIM

OLD CODE			NEW CODE		
Operation	Piece	Fault	Operation	Piece	Fault
1080105	1	59	1080105	1	EC
Time allocation hours 1.10			Time allocation hours 1.10		



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**5/94**

**Panda**

**102**

**102 26 000 01**

**(1056 A 000 AA - new Flat rate manual)**

**INJECTION-IGNITION WIRING DIAGRAM  
Service Manual update**



Version: 92 range (I.A.W.)

We are enclosing a sheet of paper (print no. 504.669/08) relating to page 19 - section 10 which cancels and replaces the corresponding page in the Panda manual, print no. 504.669/06.

**UPDATE**

print no. 504.669/08

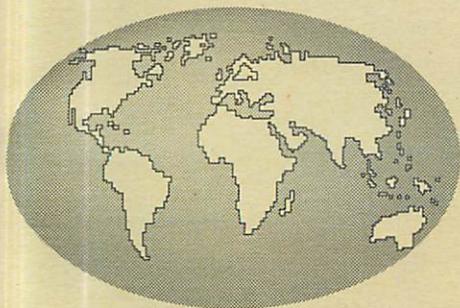
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IF51E4

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### Panda

102

102 26 501 25

1056 A 821 RA

#### INJECTION CONTROL UNIT

Service solution for cases of difficulties in starting

Version: Petrol 1000 SPI Bosch catalyzed

#### TYPE OF PROBLEM

Difficulties in cold starting, especially at altitude.

#### SERVICE SOLUTION

Replace injection control unit Eprom.

#### Operating cycle

- Remove the injection control unit.
- Open the control unit and, using a suitable tool, remove the Eprom without bending the tabs and replace it with another from the Parts Division no. 5893283 taking care over the fitting direction (V reference mark on the base of the Eprom should coincide with the V on the Eprom).
- Mark the plate on the control unit with the words "UPDATED TO SPARE NO. 7798512" writted in indelible pen.
- Refit the injection control unit.

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102 26 501 25 (1056 A 821 RA)

INJECTION CONTROL UNIT

2/2

IF07A4

**Availability of spare parts**

Eprom no. 5893283

**INFORMATION FOR THE CLAIM**

OLD CODE			NEW CODE		
Operation	Piece	Fault	Operation	Piece	Fault
1056103	1	25	1056103	1	RA
Time allocation hours 0.50			Time allocation hours 0.50		

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No. 9/91

PANDA 102

102 45 101 36 ACCELERATOR CONTROL PEDAL  
Service solution for reducing the load on  
accelerator control

Version: Selecta

In case of excessive accelerator load which could occur on the first units produced since they are equipped with accelerator return spring calibrated at higher load and "Dash-Pot" device (1 " in figure) proceed as follows:

### SERVICE PROCEDURE

With carburettor fitted to car:

- remove "Dash-Pot" device (1 in figure) by slackening the screws securing it to carburettor
- acting with a screwdriver on throttle valve axis move return spring hooking from "A" to "B" position shown in the figure so that spring load is reduced.

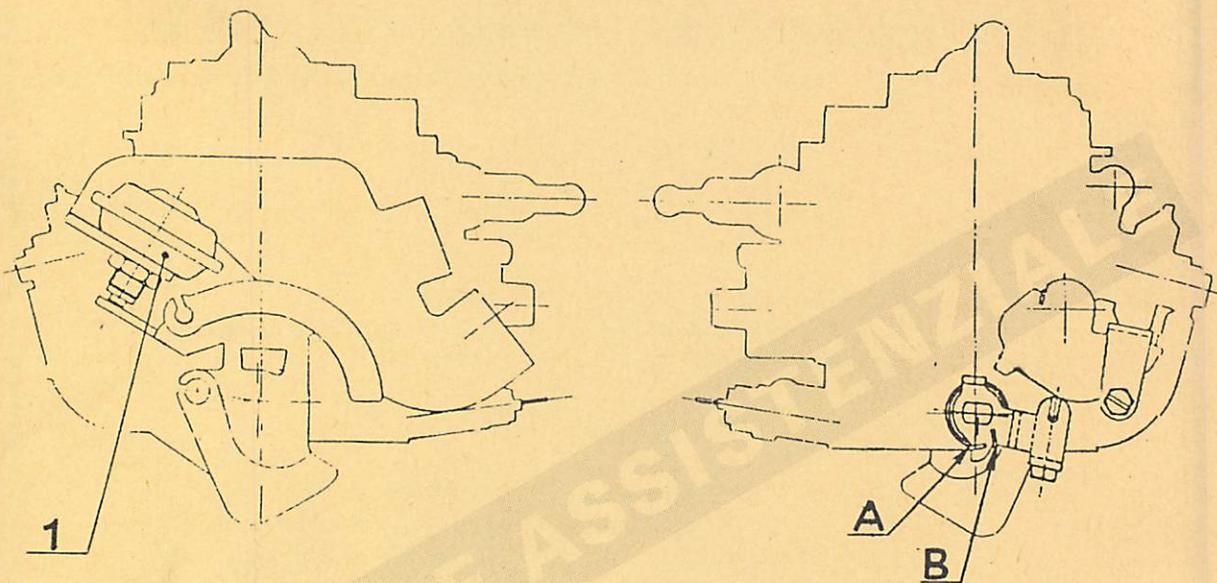
NOTE This service action concerns only the cars still equipped with "Dash-pot".

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PANDA

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102 45 101 36 ACCELERATOR CONTROL PEDAL



Legend

1 = "Dash-pot" device (to be suppressed)

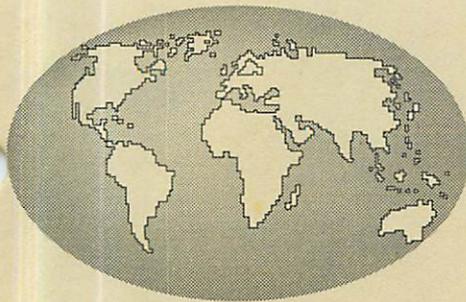
A = spring position with higher load

B = spring position with lower load (to be obtained by service solution)

Operating Time

0.10 hours

This service action is to be coded under  
102 45 101 01.



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### Panda

102

102 58 060 01

(1080 E 621 GB - new Flat rate manual)

#### EXHAUST PIPE

Service solution for cases of catalyzer interfering with road surface

Version: Petrol 4 x 4 kat

#### TYPE OF PROBLEM

Impact of the catalytic silencer against the ground, when the vehicle is being driven over uneven surfaces.

#### OPERATIONS IN PRODUCTION

From chassis no. 1058472 a smaller catalyzer is being fitted.

#### SERVICE SOLUTION

On vehicles prior to the above mentioned chassis no., if the Customer complains and if the catalyzer is being replaced, it is possible to fit the new front section no. 7791409 with the smaller catalyzer.

#### Operating cycle

- Position the vehicle on the lift.
- Replace the front section of the exhaust pipe including the catalyzer with another one ordered from the Parts Division by quoting no. 7791409.

**NOTE** *This solution can be implemented on both versions with WEBER S.P.I. or BOSCH S.P.I. injection systems.*

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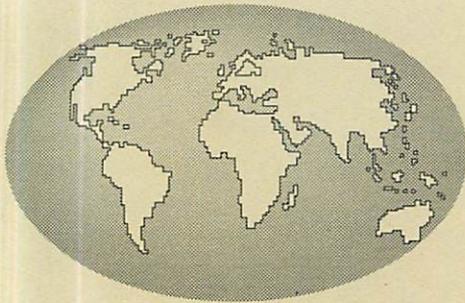
**Availability of spare parts**

Exhaust pipe no. 7791409

**INFORMATION FOR THE CLAIM**

OLD CODE			NEW CODE		
Operation	Piece	Fault	Operation	Piece	Fault
1080106	1	43	1080106	1	GB
Time allocation hours 0.60			Time allocation hours 0.60		

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### Panda

102

102 60 201 25 (1080 B 601 RA - new Flat rate manual).

#### LAMBDA SENSOR

Service solution for cases of I.E. warning light coming on

Version: 899 c.c. engine

#### TYPE OF PROBLEM

I.E. warning light coming on caused by the faulty operation of the LAMBDA sensor due to fouling.

#### SERVICE SOLUTION

In the case of faulty operation of the LAMBDA sensor diagnosed by the FL Tester, replace the LSH 15 type sensor with the new LSH 24 type ordered from the Parts Division by quoting No. 46420612.

#### Operating cycle

Replace the LAMBDA sensor following the instructions given in the Service Manual.

#### Availability of spare parts

LAMBDA sensor type LSH 24 no. 46420612

#### INFORMATION FOR THE CLAIM

Operation	Piece	Fault	Position	Time allocation
1080109	1	RA (*)	-	hours 0.20

(\*) 25 old fault code

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n° 4/92

**Panda**

**104**

**104 09 701 57 WATER TEMPERATURE SENDER UNIT/SWITCH**

**new fixing**

Version: Petrol Fire

Adoption of new water temperature sender units and switches with M16 tapered thread instead of M14 cylindrical thread.

The first post-modification engines have a paint mark on the cylinder head near the switch in question.

Implementation:

Chassis No.	Organization	
7 022 047	6 803 114	Desio
4 705 346	4 361 330	Termini
4 707 430	4 841 301	Termini

### Availability of spare parts

The pre and post modification parts are interchangeable only at group level; the new part numbers are in the microfiche under 'D 9953'.