

Service News

Kundendienst - Information

Informations Service

Informaciones del Servicio

Informazioni del Servizio

Fiat Auto S.p.A.

FIAT

S.A. - Divisione Fiat
Assistenza Tecnica

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No. 6/91

PANDA 331

331 05 103 67 FRONT BRAKE PADS

Service solution for fitting wire spring on pads

Versions: all except Selecta

Factory action

A wire spring has been fitted on front brake calipers in addition to the flat spring in order to prevent vibration/knock of the pads.

The new spring required new pads having modified metal plate.

Effective:	Chassis No.	No. for spares	
	7 008 520	6 791 112	Desio
	7 003 089	3 014 721	Lambrate
	4 692 246	4 354 854	Termini I.
	4 692 835	4 834 099	Termini I.

Availability of spares

The new wire springs no. 794376 can be also fitted to A.M. calipers but are only consistent with P.M. pads or with A.M. ones serviced as described in this "Service Solution".

Once the current spare brake pads are exhausted, P.M. pads will be supplied complete with wire springs.

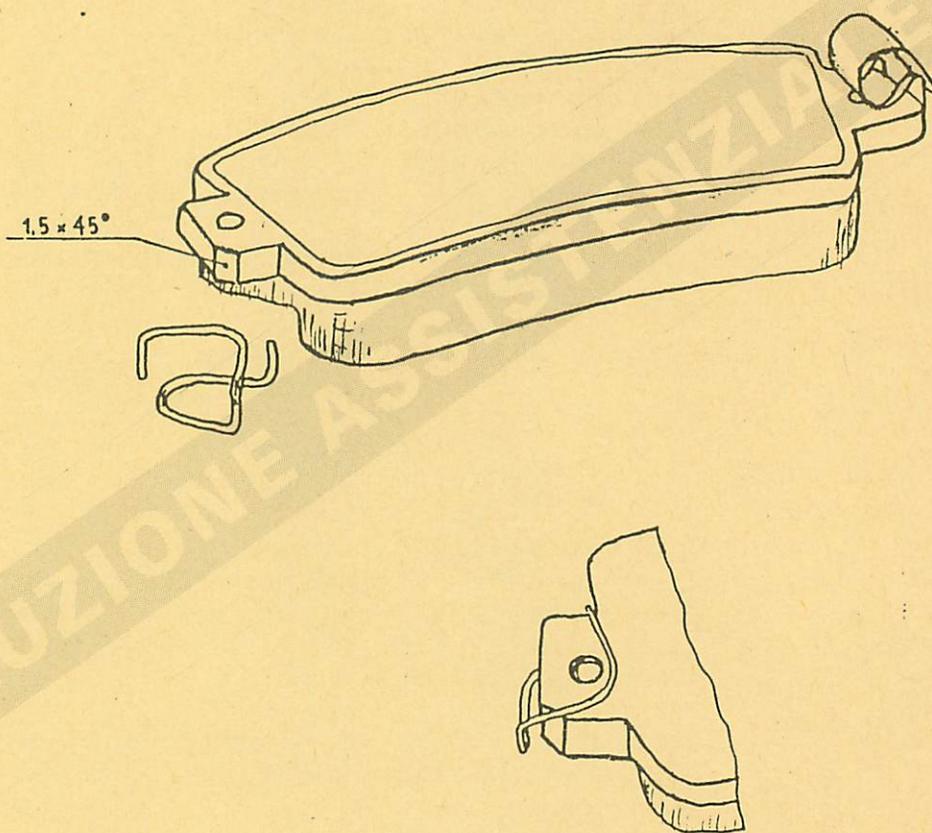
Service Action

If vibration/beating occurs on A.M. front brake pads proceed as reported in the next page.

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PANDA
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331 05 103 67 FRONT BRAKE PADS

SERVICE PROCEDURE

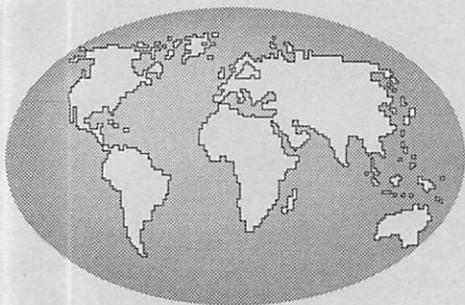
- Remove brake pads
- Chamfer brake pads (metal part) as shown in the figure. This chamferring is to be 45° x1.5 and is aimed to make the opening for letting wire spring pass
- Fit wire spring onto brake pad lower section, as shown in the figure, and re-fit the pads.



Operating times

0.10 hours with brake pads removed

This service action is to be coded under
331 05 103 01.



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D.M.C. - Direzione Post Vendita
Servizi Assistenziali

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3/94

Panda

331

331 35 000 01 (3380 A 000 AA - new Flat rate manual)

HANDBRAKE

**modification to facilitate the operation of applying the brake
reducing the effort on the lever**

Cancels and replaces the subject in question transmitted in the circular 9/3/94.

Version: All versions except 4x4

Operations in Production

Replacing shoe control levers from April 94.

Operations in the Network

On vehicles starting from the following chassis nos.: 4953517 (Termini I.) and 1010226 (Mirafiori), if the Customer encounters difficulties in applying the handbrake, because they are unable to exert the force required, it is possible to extend the modification to vehicles on the road, following the instructions given below.

Operating cycle

- Raise the vehicle, remove the two rear wheels, remove the brake drums, disconnect the handbrake cable from the shoe control levers and replace the latter with the modified (longer) ones taken from the Kit ordered from the Parts Division no. 9946169.
- Refit the components previously removed and carry out the adjustment of the handbrake following the procedure given below.

PROCEDURE FOR ADJUSTING HANDBRAKE

- 1) Completely loosen the rod for the cable so that the levers on the rear brakes are completely retracted.
- 2) **Hydraulic bedding in:**
start up the engine and depress the brake pedal sharply 4 - 5 times to allow the system to bed in.

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- 3) **Mechanical bedding in of cables and linkage:**
operate the handbrake lever vigorously 4 - 5 times.
- 4) Position the lever at the third notch, then tighten the nut on the cable rod, until the rear wheels are locked (they cannot be turned by hand).
- 5) Place the lever in the rest position and check that the rear wheels turn freely.
- 6) Operate the handbrake lever until the wheels are locked and check that the number of notches on the toothed sector equals the maximum of 5 - 6.

If the number of notches is higher, repeat the procedure starting from point 2 onwards.

Availability of spare parts

Shoe lever kit no. 9946169 Q.ty 1

INFORMATION FOR THE CLAIM

OLD CODE			NEW CODE		
Operation	Piece	Fault	Operation	Piece	Fault
3380101	1	25	3380101	1	RF
Time allocation hours 1.60			Time allocation hours 1.60		



INFORMATION FOR THE CUSTOMER

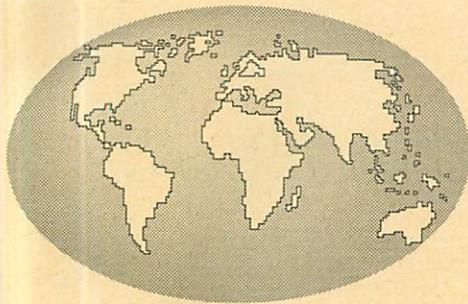
After the operation the Customer must be handed a copy of the updated text for the Owner's Handbook as detailed below.

Owner's Handbook Update

Following the modification carried out on your vehicle, in order to facilitate the operation of applying the handbrake, reducing the force required to exert on the lever, it is necessary to bear the following in mind:

To operate the handbrake, pull the lever upwards, to ensure that the vehicle is stopped; normally, if the vehicle is on a flat surface, five to six notches are sufficient, whilst on a steep incline or if the vehicle is fully laden, the lever should be pulled right up through more notches.





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5/93

Panda

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331 35 061 62 (3380 A 041 HA - new Flat rate manual)

HANDBRAKE ADJUSTMENT

instructions for vehicles equipped with new brake shoe automatic recovery device



Starting from the chassis numbers listed below, a new rear wheel brake has been introduced into production with automatic brake shoe clearance recovery (ONE SHOT).

The above mentioned mechanism eliminates the need to adjust the handbrake lever travel following wear of the shoes.

Implementation

Chassis no.	Organization no.
4 953 517	4 959 531 Termini I.
4 953 514	4 488 565 Termini I.
1 010 226	0 010 476 Mirafiori

Operations in the Network

The vehicles equipped with this device, both when fitted originally and after a service operation, need particularly careful adjustment, following the cycle given below.

HANDBRAKE ADJUSTMENT PROCEDURE

- 1 - Completely loosen the rod for the cables under the bodyshell so that the handbrake lever is completely retracted.
- 2 - Start up the engine.

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- 3 - With the engine running depress the brake pedal sharply 4 to 5 times.
- 4 - Adjust the rod under the bodyshell so that the handbrake lever travels through 3 - 4 notches.

If the initial adjustment has been carried out correctly, periodic adjustment of the handbrake travel are not necessary following wear to the brake shoes.

NOTE *Adjustments incorrectly carried out may increase the brake pedal free play and/or make the handbrake inefficient.
In these cases always carry out the above adjustment procedure before carryint out other operations to the braking system.*

Availability of spare parts

The pre and post modification components are not interchangeable.

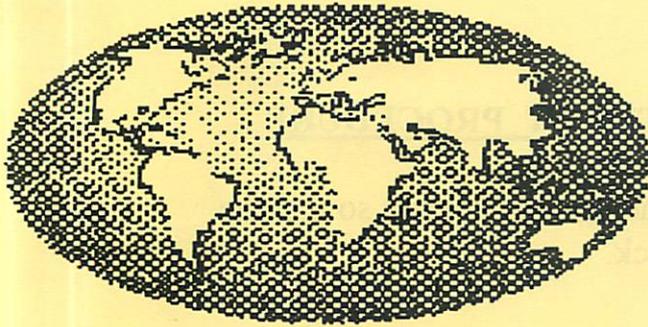
The part numbers are given on the parts microfiche under the heading "D 0664".

The part numbers for the new components are given below, for quick reference.

- Brake kit for axle	9945371
- Spring kit for left wheel	9945372
- Spring kit for right wheel	9945383
- Kit containing pins and springs for axle	9945373
- Complete left plate	9945374
- Complete right plate	9945384
- Boot for left lever	9945375
- Boot for right lever	9945385
- Cap	9945376
- Cap	9945377
- Complete right sector	9945378
- Complete left sector	9945386
- Cylinder	9945379
- Bleed screw	9945380
- Cylinder cap	9945381
- Cylinder fixing bolt	9945382

SERVICE LITERATURE UPDATE

The new instructions update section 33 of the Service Manual for the model in question.



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ADVANCED INFORMATION

**PANDA
331**

**331 35 061 62 (old)
3380A 041 HA(new)**

PANDA - ALL VERSIONS

HANDBRAKE ADJUSTMENT

Instructions for vehicles equipped with new device for automatically recovering brake shoe clearance.

Starting as indicated below a new rear wheel brake has been introduced into production with automatic recovery of the brake shoe clearance (ONE SHOT).

The above mechanism eliminates the need for adjusting the handbrake lever travel following wear of the shoes.

Implementation:

Chassis No.	Organization No.
4 953 517	4 959 531 Termini 1
4 953 514	4 488 565 Termini 1
1 010 226	0 010 476 Mirafiori

OPERATIONS IN THE NETWORK

Vehicles equipped with this device, whether fitted originally or during a service operation on the assembly require a particularly accurate adjustment following the procedure given below.

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HANDBRAKE ADJUSTMENT PROCEDURE

1. Completely loosen the rod under the bodyshell so that the lever is completely drawn back.
2. Start up the engine.
3. With the engine running activate the brake pedal briskly 4 or 5 times.
4. Adjust the rod under the bodyshell so that the handbrake level travel is equal to 3 to 4 notches.

If the initial adjustment is carried out correctly then period adjustments of the handbrake travel are not required when the shoes become worn.

Note:

Adjustments which are not properly carried out may result in a lengthening of the brake pedal travel and/or inefficient handbrake. In such cases always carry out the above mentioned adjustment procedure before carrying out other operations of the braking system.

AVAILABILITY OF SPARE PARTS

The pre and post modification parts are not inter-changeable on an individual level. The Part numbers will be given in the microfiche under the heading "D 0664". Below is a list of part numbers for quick reference.

Shoe kit for axle	9945371
Spring kit for left wheel	9945372
Spring kit for right wheel	9945383
Pin and spring kit for axle	9945373
Complete left plate	9945374
Complete right plate	9945384
Left lever boot	9945375
Right lever boot	9945385
Cap	9945376
Cap	9945377
Complete right sector	9945378
Complete left sector	9945386
Cylinder	9945379
Bleed screw	9945380
Cylinder plug	9945381
Cylinder fixing bolt	9945382

SERVICE LITERATURE UPDATE

The new instructions update section 33 of the Service Manual for the model in question.



Panda 4x4

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01.96

3380 A 041 RF/PB **HANDBRAKE**

Service solution for cases of excessive operating force

TYPE OF PROBLEM

Excessive force on the lever.

OPERATIONS IN PRODUCTION

Replacing shoe control levers from July '95.

SERVICE SOLUTION

Reduction of ratios by means of replacing the two shoe control levers.

Operating cycle

- Raise the vehicle, remove the two rear wheels, remove the brake drums, disconnect the handbrake cable from the shoe control levers and replace the latter with the modified ones (longer) taken from Spares Kits n° 9947315
- Refit the components previously removed and adjust the handbrake by following the procedure described below.

HANDBRAKE ADJUSTMENT PROCEDURE:

- 1) Completely loosen the rod for the cable so that the levers at the rear brakes are in the fully retracted position.
- 2) **Hydraulic bedding in:**
start up the engine and carry out 4-5 energetic beddings in of the system, acting on the brake pedal.
- 3) **Mechanical bedding in of the cables and linkage:**
activate the handbrake lever energetically 4-5 times.
- 4) Place the lever in the third notch position, then tighten the nut on the cable rod until the rear wheels are locked.

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- 5) Place the lever in the rest position and check that the rear wheels rotate freely.
- 6) Operate the handbrake lever until the wheels are locked and check that the number of notches in the toothed sector is a maximum of 5-6.

If the number of notches is more, repeat the procedure from point 2 onwards.

AVAILABILITY OF SPARE PARTS

Shoe lever Kit n° 9947315 Quantity 1

INFORMATION FOR THE CLAIM

Operation	Piece	Fault	Position	Time allocation
3380102	1	RF	010 090	h. 1.20