Automobiles S.p.A.
Quality - P.S. & Safety
C.so Agnelli 220
10135 Turin

P. 265/07

Turin, 8 May 2007

To **FIAT GROUP FOREIGN AFFILIATES**
Automobiles/ITALY MARKET
Att. **Technical Service Managers**

C.S.O. Importers

Att. **Ing. Pavesio**

Job Nr. 5180 – 5181 – 5182 – 5183 – 5184 - 5185
Model Fiat BRAVO
- VARIOUS INTERVENTIONS

In order to perform prevention/updating operations of a Fiat BRAVO lot, that extend on vehicle on the Net a few improvements that have been already added on production.

Therefore it is mandatory to intervene before delivery, according to the cycles enclosed (encl. 1, 2, 3, 4, 5, 6) for vehicles still on stock and by sending the registered letter enclosed (encl. 7) to Customers for the vehicles already delivered in order to update the entire fleet.

In the meantime while interventions mentioned on this letter are being performed it is also important to carry out updating operations that are described on Service News 70.10.07 (possible engine hood hinge loosening) and 00.12.07 (various checks in pre-delivery), in case they have not been already performed.

1 - Intervention code 5180 – RECALL CAMPAIGN
- front windshield wiper **all versions**

from chassis **4000574** to chassis **4004655** **3464** vehicles

On vehicles with chassis included in the range above, replace the front windshield wiper in order to prevent future malfunctions.

Operative cycle written on **enclosure 1**

2 - <u>Intervention code 5181</u> – RECALL CAMPAIGN
- Air Bag control unit **all versions**

from chassis **4000502** to chassis **4004298** **3240** vehicles

On vehicles with chassis included in the range above, air bag control unit software is to be updated with a new type to improve system handling

Operative cycle written on **<u>enclosure 2</u>**

3 – <u>Intervention code 5182</u> – SERVICE CAMPAIGN
- SW updating **all versions with Blue&Me NAV**

from chassis **4000156** to chassis **4005776** **532** vehicles

On vehicles with chassis included in the range above, equipped with Blue &Me NAV system malfunctions may occur, such as odometer flashing, Blue & Me system block and incorrect SOS/INFO pushbutton handling, therefore SW updating is to be performed.

Operative cycle written on **<u>enclosure 3</u>**

4 – <u>Intervention code 5183</u> – SERVICE CAMPAIGN
- front and rear power window motor
All versions with power windows

from chassis **4000574** to chassis **4003483** **3159** vehicles

On vehicles with chassis included in the range above, zeroing of front and rear power windows is required to improve power window functioning.

Operative cycle written on **<u>enclosure 4</u>**

5 – <u>Intervention code 5184</u> – SERVICE CAMPAIGN
- air bag and immobilizer cabling lay-out **all versions**

from chassis **4000156** to chassis **4006000** **5540** vehicles

On vehicles with chassis included in the range above, service intervention has been defined to check proper positioning of immobilizer and air bag on power steering wires.

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Operative cycle written on **<u>enclosure 5</u>**

6 – <u>Intervention code 5185</u> – SERVICE CAMPAIGN
- front shock absorbers **all versions**

from chassis **4001165** to chassis **4004638** **994** vehicles

On vehicles with chassis included in the range above, a service intervention has been defined to check and if needed replace the front shock absorbers that in the near future may not work properly.

Operative cycle written on **<u>enclosure 6</u>**

We also wish to transmit to you the modalities that are to be followed for on-line intervention (see enclosure 8).

A. Milizia

ENCL.

Enclosure 1

Fiat Group Automobiles SpA
QUALITY – Technical Service

RECALL CAMPAIGN - 5180

MODEL / VERSION:…… FIAT NUOVA BRAVO

PART:…… Front windshield wiper

DEFECT:…… Not compliant

TROUBLE TO PREVENT:

Irregular operation

TECHNICAL CAUSE:

Suppliers' production process

PRODUCTION INTERVENTIONS:

Assembly of compliant parts is granted

INTERVENTION MODE

PREVENTIVE INTERVENTION :

Check if there is a GREEN label applied on the lid of the geared motor.

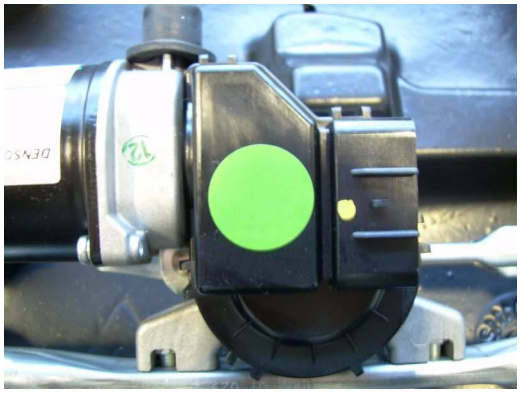
- If it is, the vehicle is compliant
  Replace screws/washers that fix the windshield base lining

- If it not, replace the windshield wiper unit.
  Replace screws/washers that fix the windshield base lining

INTERVENTION CYCLE

- Open the engine hood.

  - Look through the grille on the bottom side of the windshield and check if the GREEN label applied on the lid of the geared motor.



If it is, the vehicle is compliant

If it not, replace the windshield wiper unit.

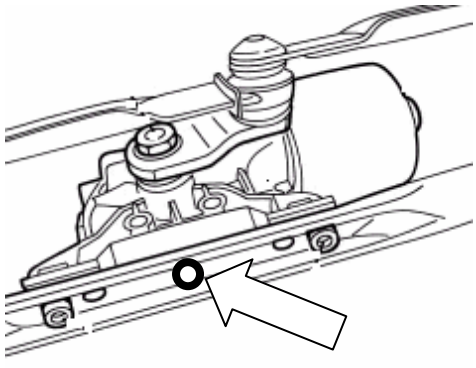
- Replace the windshield wiper unit with **part. 51757840** as described on instruction 5050B38

- Replace screws/washers that fix the windshield base lining with **part. 51805248**, tighten to **4 Nm.**

- Perform initialization of parts subject to battery detachment.

INTERVENTION IDENTIFICATION:

White mark on pipe that connects the two windshield wiper motor fixing screws.



SPARE PARTS AVAILABLE

Windshield wiper **part. 51757840** Qt. 1

Screws/washer **part. 51805248** Qt. 2

INTERVENTION TIME

INTERVENTION A: Check the presence of the green label on the geared motor lid…… **TIME H.M. 0.10**

INTERVENTION B: Check and replace windshield wiper unit ……. **TIME H.M. 0.50**

Estimated intervention percentage = 100%

HANDLING OF REMOVED MATERIAL

MATERIAL REMOVED MUST BE NOTIFIED ON D.R.S. FORMS AND SENT TO THE FOLLOWING ADDRESS:

FIAT GROUP AUTOMOBILES S.p.A. - **SERVIZIO RESI DA RETE** - **CORSO UNIONE SOVIETICA 460** - **RICEVIMENTO MERCI MIRAFIORI – PORTA 14** - **10135 – TURIN**

(Parts that are not sent will be charged)

Enclosure 2

Fiat Group Automobiles SpA
QUALITY – Technical Service

RECALL CAMPAIGN - 5181

MODEL / VERSION:…… FIAT NUOVA BRAVO

PART:…… Air-Bag control unit

DEFECT:…… Not compliant

TROUBLE TO PREVENT

Software updating

TECHNICAL CAUSE:

Production process

PRODUCTION INTERVENTIONS:

Assembly of compliant parts is granted

INTERVENTION MODE

PREVENTIVE INTERVENTION :

Air-Bag control unit SW updating

INTERVENTION CYCLE

*If there is no **CD FLASH**:*

*- link to **ExaminerWeb** and download :*

CD FLASH 5.10 (N. 1806598000)
05/2007
Bravo '07 T.T. - Air Bag SIEMENS 1 (Proxi)
airbag software update

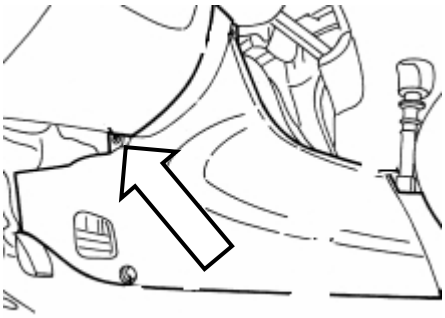
- Reprogram airbag unit with **EXAMINER**

*With **CD FLASH 5.10** available*

- Reprogram airbag unit with **EXAMINER**

INTERVENTION IDENTIFICATION:

White mark on the screw (**arrow)** that fixes the central cabinet.



SPARE PARTS AVAILABLE

CD FLASH 5.10 **part. 1806598000** Qt. 1

INTERVENTION TIME

INTERVENTION A: AIRBAG control unit reprogramming…….**TIME H.M. 0.20**

Estimated intervention percentage = 100%

REMPOVED MATERIAL HANDLING INSTRUCTIONS

NONE

Enclosure 3

Fiat Group Automobiles SpA
QUALITY – Technical Service

SERVICE CAMPAIGN - 5182

MODEL / VERSION:…… FIAT NUOVA BRAVO

PART:…… Blue & Me NAV (C3)

DEFECT:…… Blue& Me system blocked and improper handling of SOS / INFO pushbuttons

TROUBLE TO PREVENT:

Blue& Me system blocked and improper handling of SOS / INFO pushbuttons

TECHNICAL CAUSE:

Production process

PRODUCTION INTERVENTIONS:

Assembly of compliant parts is granted

INTERVENTION MODE

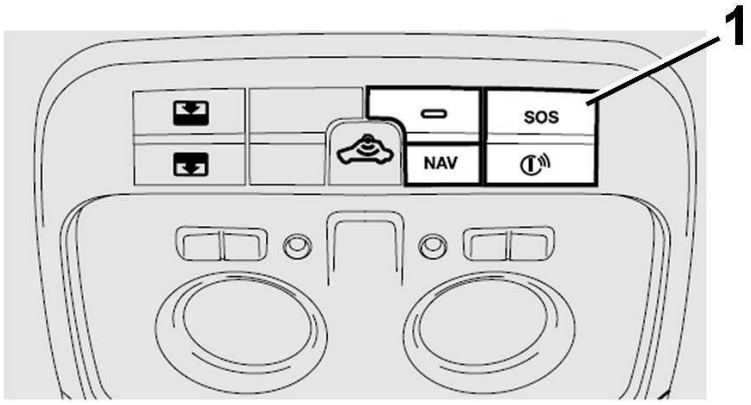
PREVENTIVE INTERVENTION :

Update SoftWare Blue & Me NAV

INTERVENTION CYCLE

Check if updating is required

Check if updating is required as follows:
- Push SOS 1 pushbutton located on the roof panel dashboard.



If the software is old it needs to be updated, therefore
- You must listen the following vocal message carefully: *SOS request function not available.*
- On the Panel you must read exactly the following text: *e SOS function not available.*

If the software is new it does not need to be updated
- You must listen the following vocal message carefully: *service requested is not available at the moment.*
- On the Panel you must read exactly the following text: *service not available.*

Instruments required

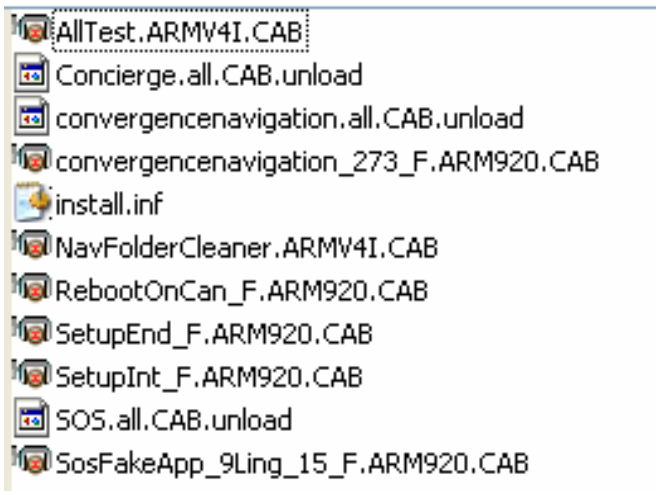
Before installing the SMS reader application check that the following instruments are available:

- Personal Computer with Windows© 2000 / Windows© XP / Windows© VISTA
- Internet connection to the Website
- USBPen (minimum 16 Mb) with manufacturer's certification of compatibility with Windows© 2000 / Windows© XP / Windows© VISTA operative systems (see relevant paragraph).

NOTE The USB to use for Updating must NOT be the one included in the vehicle supply with the B&M Nav, because the procedure foresees to delete all the files before loading .zip that is required for Updating. The USB included in the supply includes Navigator pre-loaded maps that would be deleted.

Software updating procedure

- Link to eSERVICE
- Select in sequence: Menu – Communication Field – Brand Fiat – Proceed – Service Communications - Service News – Bravo – SN 55-06-07
- Download Blue&Me NAV.zip repair (2,5 MBytes about) clicking on the icon
- Unzip the file with the password "bravo" written in small characters.
- If you do not have _**ZIP.exe** you can also download **"IZarc.exe"** that allows to perform the operation required.
- After unzipping the following files should be available



- Delete other files on the USB pen.
- Copy the unzipped files on the USB pen: position them on the main directory.
- Disable the Pen by means of Windows Menu (**caution: this operation if essential to avoid compromising file use).**
- Go in the vehicle.
- Key-On (key on RUN).
- Check that the USB socket is near the gearshift lever is lighted.



- Insert the USB in the USB connector in front of the shift.

ATTENTION Now the vehicle must not be turned off until the procedure is over. If power should be interrupted during this stage the entire operation would be compromised

Within 1 – 2 seconds the display on board will show the following figure



- Contemporarily the Radio (even if turned off) will announce the following message “Update started
- Wait 120 seconds (approx.)
- The panel on board will display the following figure



- Contemporarily the Radio (even if turned off) will announce the following message “Update finished. Remove USB memory.
- Remove USB pen from the socket.
- key-off

- Push the SOS and INFO pushbuttons on the cover next to the internal rearview mirror and check that the message “service not available” is displayed and that the vocal message says “service required not available at the moment”.
- On the USB pen from the Blue&Me the writing .log will appear (i.e. 6HN8APWBG .log).
- **IT IS MANDATORY** to send this file along with the number of vehicle chassis to the following e-Mail: **claudio.avena@fiat.com**

- If there are more vehicles that need to be repaired use directly the USB pen without adding or deleting anything; just be very careful in combining the chassis number to the relevant file .log generated each time by Blue&Me.
- For further information and/or trouble while carrying out this procedure, please get in touch with :

Avena Claudio 347 2544404 claudio.avena@fiat.com

USBPen Description

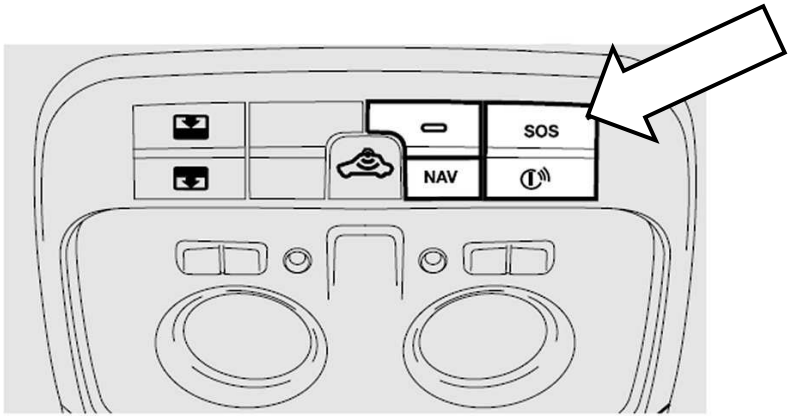
Remember that the USBPen memory is a filing device on which data can be loaded.
For software updating and Hand free system language with vocal recognition and Bluetooth® technology a USBPen with standard USB VERSION 1.0, 1.1, or 2.0 and 256 MB memory (however USBPens with memory up to 1 GB are supported) is required.
The following USBPens have been officially tested on the hand free system with vocal recognition and Bluetooth® technology

- Memorex® Travel Driver 256 MB USB 2.0
- Memorex® Travel Driver 1 GB USB 2.0
- SanDisk® Cruzer™ Micro 256 MB USB 2.0
- SanDisk® Cruzer™ Mini 256 MB / 1 GB USB 2.0
- Lexar™ JumpDrive® 2.0 512 MB
- PNY® Attaché 256 MB USB 2.0
- Sony® Micro Vault®



INTERVENTION IDENTIFICATION:

Push **SOS (arrow)** pushbutton located on the roof panel dashboard.



the presence of the new software **(therefore that is NOT to be updated)** is indicated in the vocal message: *"the service requested is not available at the moment"* and by the message on the panel: *"service not available".*

SPARE PARTS AVAILABLE

NONE

INTERVENTION TIME

INTERVENTION A: Update Software Blue & Me NAV……**TIME H.M. 0.25**

REMPOVED MATERIAL AHNDLING INSTRUCTIONS

NONE

Enclosure 4

Fiat Group Automobiles SpA
QUALITY – Technical Service

SERVICE CAMPAIGN - 5183

MODEL / VERSION:…… FIAT NUOVA BRAVO

PART:…… Front and rear power windows.

DEFECT:…… Not compliant

TROUBLE TO PREVENT:

Detective operation

TECHNICAL CAUSE:

Production process

PRODUCTION INTERVENTIONS:

Correct production process granted

INTERVENTION MODE

PREVENTIVE INTERVENTION :

Front and rear power windows.

- Perform initialization of the front and rear power windows.

INTERVENTION CYCLE

- Perform initialization of the power windows.

INTERVENTION IDENTIFICATION:

White mark on the lower part of the front and rear door multi connector ring nuts.

SPARE PARTS AVAILABLE

NONE

INTERVENTION TIME

INTERVENTION A: Initialization of front power windows……. **TIME H.M. 0.10**

INTERVENTION B: Initialization of front and rear power windows…….…….. **TIME H.M.0.20**

REMPOVED MATERIAL HANDLING INSTRUCTIONS

NONE

Enclosure 5

Fiat Group Automobiles SpA
QUALITY – Technical Service

SERVICE CAMPAIGN - 5184

MODEL / VERSION:…… FIAT NUOVA BRAVO

PART:…… Air-Bag and Immobilizer cabling lay-out.

DEFECT:…… Not compliant

TROUBLE TO PREVENT:

Cabling interference/pinching

TECHNICAL CAUSE:

Assembly process

PRODUCTION INTERVENTIONS:

Proper assembly granted

INTERVENTION MODE

PREVENTIVE INTERVENTION :

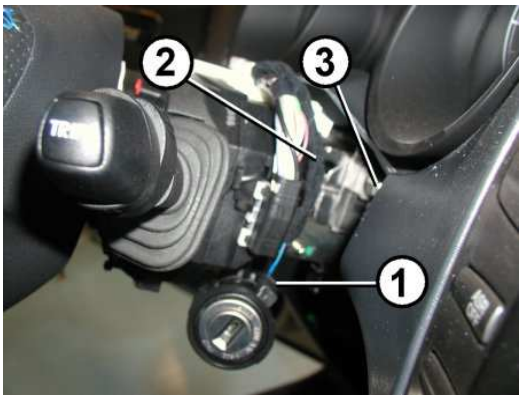
Air-Bag and Immobilizer cabling lay-out

- Reposition Air-Bag and Immobilizer cabling

INTERVENTION CYCLE

Check proper positioning of the immobilizer antenna cable on the power steering, then see that the Air bag cable is whole and anchor the column covering curtain to the clip located on the upper part of the column as follows:

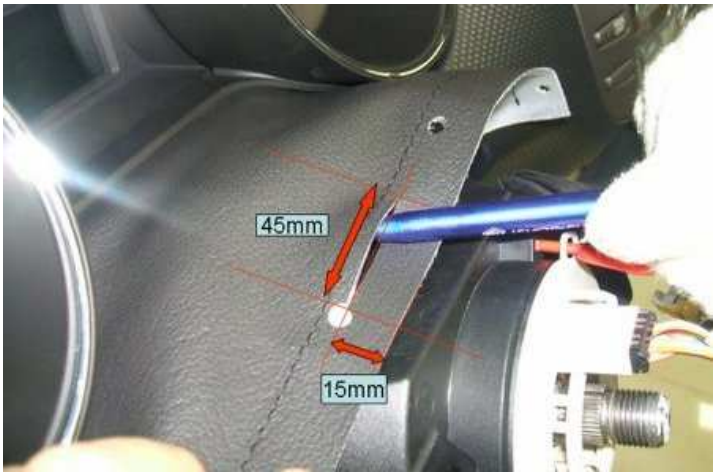
- Disassemble lining of the steering column as descried on instruction **7040A26**)
- check proper connection of immobiliser cable to antenna **1** then check that cable **2** does not interfere with the fixing nut of the steering column lever **3**; position antenna cable **2** as shown in the figure



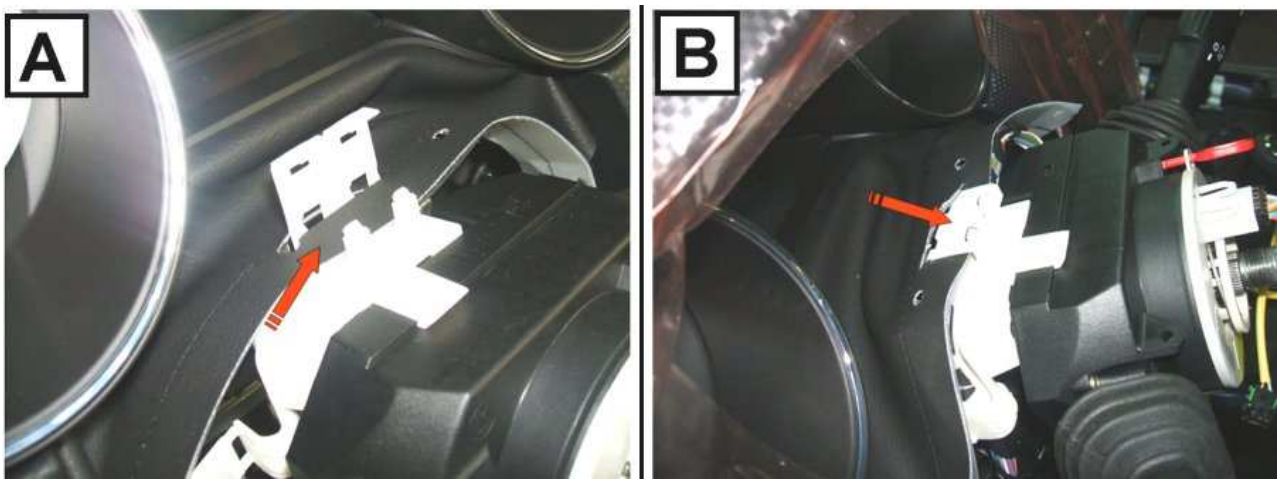
- Check proper arrangement of the Air-Bag cables (arrow).



Anchor the steering column curtain to the clip located on the upper part of the column and make a cut with the cutter (45 mm long starting from the existing slot) at 15 mm from the edge of the curtain cover as shown in the figure.

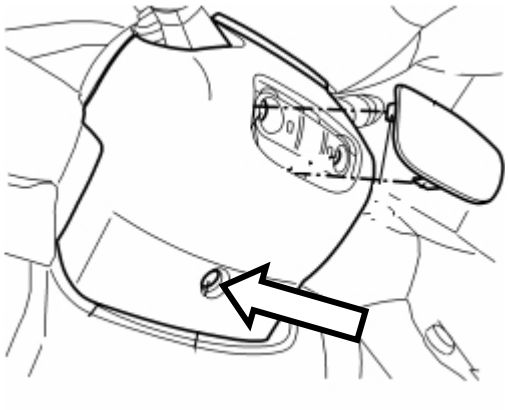


- Open the clip **(arrow Fig. A)** insert it in the steering column curtain cut made previously.
- Close the clip **(arrow Fig. B)** to assure anchorage.
- Reassemble steering column lining carrying out disassembly instructions vice versa



INTERVENTION IDENTIFICATION:

White mark on the head of the fixing screw of the lower steering column lining **(arrow)**



SPARE PARTS AVAILABLE

NONE

INTERVENTION TIME

INTERVENTION A: Air-Bag and Immobilizer cabling lay-out ……..**TIME H.M. 0.35**

REMPOVED MATERIAL HANDLING INSTRUCTIONS

NONE

Enclosure 6

Fiat Group Automobiles SpA
QUALITY – Technical Service

SERVICE CAMPAIGN - 5185

MODEL / VERSION:…… FIAT NUOVA BRAVO

PART:……Front Shock Absorbers.

DEFECT:…… Not compliant

TROUBLE TO PREVENT:

Detective operation

TECHNICAL CAUSE:

Production process

PRODUCTION INTERVENTIONS:

Assembly of compliant parts is granted

INTERVENTION MODE

PREVENTIVE INTERVENTION :

Check the colour of the label on the shock absorber cover

- If it is white the vehicle is compliant.
- If it is yellow the vehicle is not compliant and shock absorbers must be replaced.

INTERVENTION CYCLE

Work on the lower front part of the vehicle to perform the following operations:

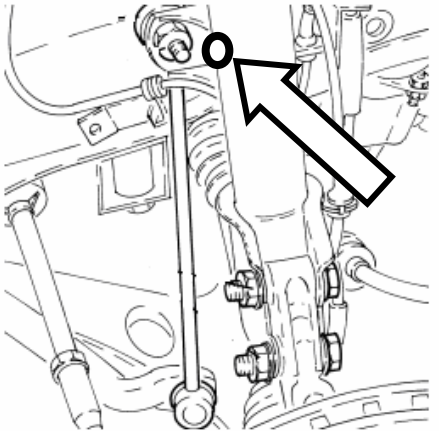
Check the colour of the identification label located on the cover of the shock absorber

- If it is white the vehicle is compliant
- If it is yellow the vehicle is not compliant and the front shock absorbers must be replaced following the instructions below:

- Replace front shock absorbers with part. **(see Spare Parts Available)** as described in instruction **4410A12** seeing to replace nuts and screws. **(see Spare Parts Available)**
- Adjust attitude of front tires

INTERVENTION IDENTIFICATION:

White mark on the shock absorber body near the stabilizing bar connecting rod fitting



SPARE PARTS AVAILABLE

Shock absorber	part. **50707378**	Qt. 2	(1.4 16v - 1.4 16v turbo)
Shock absorber	part. **50708205**	Qt. 2	(1.9 JTD 8v 90CV - 115CV - 120CV)
Shock absorber	part. **50708206**	Qt. 2	(1.9 JTD 16v 150CV)
Screw	part. **7676615**	Qt. 4	(1.4 16v - 1.4 16v turbo)
			(1.9 JTD 8v 90CV - 115CV - 120CV)
Screw	part. **82439066**	Qt. 4	(1.9 JTD 16v 150CV)
Nut	part. **7676614**	Qt. 4	(1.4 16v - 1.4 16v turbo)
			(1.9 JTD 8v 90CV - 115CV - 120CV)
Nut	part. **15503821**	Qt. 4	(1.9 JTD 16v 150CV)
Nut	part. **50702840**	Qt. 2	
Nut	part. **15506221**	Qt. 2	
Nut	part. **46801948**	Qt. 2	

INTERVENTION TIME

INTERVENTION A: Replace front shock absorbers + tire attitude (1.4 16v) **TIME H.M. 2,20**
INTERVENTION B: Replace front shock absorbers + tire attitude (1.9 jtd 8v) **TIME H.M. 2,20**
INTERVENTION C: Replace front shock absorbers + tire attitude (1.9 jtd 16v) **TIME H.M. 2,20**

Intervention percentage = ?

HANDLING OF REMOVED MATERIAL

MATERIAL REMOVED MUST BE NOTIFIED ON D.R.S. FORMS AND SENT TO THE FOLLOWING ADDRESS:

FIAT GROUP AUTOMOBILES S.p.A. - **SERVIZIO RESI DA RETE** - **CORSO UNIONE SOVIETICA 460** - **RICEVIMENTO MERCI MIRAFIORI – PORTA 14 - 10135 – TURIN**

(Parts that are not sent will be charged)

Enclosure 7

R.R. 5180 / 5181

DRAFT OF REGISTERED LETTER 5180 / 5181

RECALL CAMPAIGN

Model Fiat BRAVO
- VARIOUS INTERVENTIONS

Dear Customer,

We wish to thank you for buying a new Fiat Bravo of which we are sure you will enjoy the comfort, safety and pleasant driving.
We are proud to have you among our customers.

We wish to inform you that on a restricted number of Fiat Bravo we arranged a service intervention in order to prevent windshield wiper and air-bag system troubles.

This problem may jeopardise the safety of your vehicle, therefore we wish to invite you to bring your vehicle along with this letter to the Dealer that sold it to you, or if it is more convenient for you, to one of the Fiat Network Dealers closer by.

The check and the works that are required to prevent defects will be carried out quickly and free of charge.

If you wish, you can fix an appointment by calling the dealer.

For further information please call FIAT toll free …….

If you already sold or lent your vehicle to third parties, please use the envelope and stamp enclosed to send us their name and address and other information that may allow us to reach them.

We wish to apologize for the trouble we caused you and thank you for your understanding and for your cooperation.

Best regards

Vehicle Fiat BRAVO chassis.....

Enclosure 8

Job Nr. 5180 – 5181 – 5182 – 5183 – 5184 - 5185
Model Fiat BRAVO
- VARIOUS INTERVENTIONS

SUMMARY OF OPERATING PROCEDURES

a) Overall vehicle fleet involved in the operation

The resolution regards all vehicles with chassis numbers that will be present at the beginning of the SIGI campaign**.**

b) Individualization of the vehicles involved

- vehicles assigned to you – refer to the chassis files subject to the campaign included on your PC

- vehicles in transit - Before carrying out the operation check:
  1) by means of "inquiry Sigi " that the chassis is subject of the campaign;
  2) if any identification mark that confirms the resolution is shown

Material required

Refer to operative cycles enclosed

The above-mentioned material will be supplied by the Spare Parts Division on your specific order.

d) Payment

The expenses that you have to pay:
- for labour, according to the cycle enclosed
-material supplied to you by Volvera spare parts (which will be paid back according to the reimbursement conditions foreseen in the moment in which the intervention will be performed
- sundry expenses (phone, mail, etc.)
the amount must be charged on Job Nr. 5180 – 5181 – 5182 – 5183 – 5184 – 5185 on the standard Claim Notice under the expense items:

A 01 = Labour
A 10 = Sundry expenses