

Ferrari North America, Inc.

**Ferrari**

05V-169

(21 Pages)

Submitted by Fax and Federal Express Mail

April 19, 2005



Ms. Kathleen C. DeMeter, Director  
Office of Defects Investigation  
National Highway Traffic Safety Administration  
400 Seventh Street, S.W. – NSA 01 – Room 5321  
Washington, D.C. 20590

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OFFICE OF DEFECTS INVESTIGATION  
NHTSA

Dear Ms. DeMeter:

Ferrari S.p.A. and Ferrari North America, Inc. (FNA) have determined that a defect that relates to motor vehicle safety exists in Model Year 1990-1992 Ferrari F40s. FNA is providing this notification to your office in accordance with 49 C.F.R. Part 573.

Ferrari S.p.A. has detected a defect in some vehicles mentioned above where, in certain extreme conditions of use, the forks fastening the front and rear lower suspension levers to the chassis can break or crack. Additionally, Ferrari S.p.A. has determined that this cracking or breaking could have been caused by an improper installation procedure, after the vehicle left the factory, which could lead to increased stress on the threaded pins' anchorage areas which could also cause the possible breakage of the forks. If such circumstances happen, it could lead to a loss of vehicle control and could result in a crash.

The information – to the extent currently available to FNA – that is required by your regulation follows:

**1. *Manufacturer's Name and Address***

Ferrari North America, Inc.  
250 Sylvan Avenue  
Englewood Cliffs, N.J. 07632

**2. *Vehicles Involved in this Notification***

The affected vehicles consist of some Model Year 1990-1992 Ferrari F40s up to and including Vehicle Identification Number (VIN) **ZFFMN34A1N0093627**.

**3. *Total Number of Vehicles***

The total number of Model Year 1990-1992 Ferrari F40s is 201.

**4. *Approximate Percentage of Vehicles Estimated to Contain the Defect***

FNA has not been able to define precisely the Model Year 1990-1992 Ferrari F40 population that may be subject to this defect. Therefore, FNA has decided to include the entire population of U.S. specifications vehicles up to and including VIN **ZFFMN34A1N0093627**.

**5. *Description of the Defect***

The defect exists in some vehicles mentioned above where in certain extreme conditions of use the forks fastening the front and rear lower suspension levers to the chassis can break or crack.

**6. *Chronology of Events Leading to this Defect Determination***

FNA received this information from the Ferrari S.p.A. factory, which recently received information concerning possible cracking or breaking of the forks under extreme conditions. There have been zero warranty instances of fork breakage or cracks to the forks anchoring the front and rear lower suspensions reported to FNA in the United States. Additionally, FNA has not received any complaints about the problem or any reports of crashes or injuries resulting from it.

## **7. *Description of Proposed Remedy***

Ferrari will replace all forks fastening the front and rear lower suspension levers to the chassis to help ensure that all F40 vehicles are in proper working order. The new forks have a new design to compensate for the stress generated on them during extreme driving conditions.

All customers and dealers will receive notification of the remedy campaign. FNA anticipates that an adequate inventory of replacement parts will be available in approximately 20 days.

Pursuant to 49 C.F.R. §§ 573.6(c) (8), 573.13(c), and 577.11, the owner notification letter will inform owners that they may be eligible to receive reimbursement for the cost of obtaining a pre-notification remedy of a problem associated with this defect. Specifically, as required by 49 C.F.R. § 577.11(d), the notification letter will inform owners that they may be entitled to reimbursement for any out-of-pocket costs that they incurred for the repair or replacement of the affected hydraulic steering delivery pipe during the following period: *from* any time before the date of this notification to NHTSA pursuant to 49 C.F.R. § 573.6, *to* up to ten days after the date on which the last of the owner notifications pursuant to 49 C.F.R. Part 577 is mailed.

In addition, owners will be instructed to submit to "Ferrari North America, Inc., 250 Sylvan Avenue, Englewood Cliffs, New Jersey 07632 Attention: Service Department" documentation that provides (a) the name and address of the claimant; (b) identification of their vehicle's make, model, model year, and vehicle identification number; (c) identification of the recall by reference to NHTSA's recall number or the recall number assigned by Ferrari; (d) identification of the owner or purchaser of the vehicle at the time that the pre-notification remedy was obtained; (e) a receipt, which may be an original or copy, for the pre-notification remedy, identifying the equipment replaced; and (f), if the pre-notification remedy was obtained at a time when the vehicle was covered under the original warranty program, documentation indicating that the manufacturer's dealer or authorized facility either refused to remedy the problem addressed by the recall under the warranty or that the warranty repair did not correct the problem addressed by the recall.

Under the reimbursement plan, reimbursement shall not be provided for repairs made within the period during which the original warranty would have provided for a free repair of the problem addressed by this recall, unless (i) a franchised dealer or authorized representative of Ferrari denied warranty coverage or (ii) the repair made under the warranty did not remedy the problem. Reimbursement

also will not be provided if the pre-notification remedy was not of the same type as the recall remedy provided herein, did not address the defect that led to this recall, or was not reasonably necessary to correct the defect.

**8. *Campaign Schedule and Draft Notices***

FNA expects to begin customer notification within 30 days. FNA is submitting a customer notification to NHTSA for review with this notice. In addition, FNA is providing to NHTSA for review a dealer letter and a draft of the technical instructions. Upon NHTSA's approval, FNA will send letters to all Authorized Ferrari Dealers and customer that own affected vehicles.

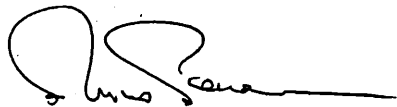
FNA has assigned this campaign an internal campaign number: 43.

**9. *Representative Copies of Notifications that Relate to the Defect and Have Been Sent to More than One Manufacturer, Distributor, Dealer, or Purchaser***

There are no notices, bulletins, or other communications that relate directly to the defect and have been sent by FNA to more than one manufacturer, distributor, dealer, or purchaser.

If you have any questions, please contact me at (201) 816-2706.

Best Regards,

A handwritten signature in black ink, appearing to read "Enzo Francesconi", with a long horizontal flourish extending to the right.

Enzo Francesconi  
Vice President, Technical Service  
Ferrari North America, Inc.

April X, 2005

«FIRST» «LAST»  
«ADD1»  
«ADD2»  
«CITY», «ST» «ZIP»

Serial Number: «VIN» «ASSY»

Dear Ferrari Customer:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Ferrari S.p.A., the manufacturer of Ferrari automobiles, has decided that a defect which relates to motor vehicle safety exists in certain 1990 through 1992 model year Ferrari F40s vehicles.

Ferrari S.p.A. has detected a defect in some vehicles mentioned above where, in certain extreme conditions of use, the forks fastening the front and rear lower suspension levers to the chassis can break or crack. Additionally, Ferrari S.p.A. has determined that this cracking or breaking could have been caused by an improper installation procedure, after the vehicle left the factory, which could lead to increased stress on the threaded pins' anchorage areas which could also cause the possible breakage of the forks. If such circumstances happen, it could lead to a loss of vehicle control and could result in a crash.

The breakdown of possibly affected vehicles is as follows:

- Starting with VIN: ZFFMN34A1L0084729
- Ending with VIN: ZFFMN34A1N0093627

Ferrari S.p.A. examined the problem and decided to update all the affected vehicles by installing new front and rear lower suspension forks. The new forks have a new design to compensate for the stress generated on them during extreme conditions of driving. The operation will be performed free of charge to the vehicle owner, and will require approximately 4.5 hours to complete (**including wheel alignment**).

We ask you to immediately contact any Authorized Ferrari Dealer in order to arrange an inspection of your automobile and to have the corrective action performed. Please plan to leave your vehicle with the dealership to allow the dealer some flexibility for scheduling your repairs.

By the time you receive this letter, the Authorized Ferrari Dealers will have been supplied with the parts and the instructions to perform the repair. If the Dealer fails or is unable to make the necessary repairs free of charge within a reasonable time, or if you have any problem obtaining the needed repair, you should inform the national headquarters of Ferrari North America, Inc. at:

Ferrari North America, Inc.  
250 Sylvan Avenue  
Englewood Cliffs, NJ 07632  
(201) 816-2600 (National Technical Office)

If the affected vehicle is not repaired free of charge to you and within a reasonable time, you may submit a written complaint to the Administrator, National Highway Traffic Safety Administration, (NHTSA), 400 Seventh Street, SW, Washington, DC 20590. You may also telephone the toll free Auto Safety Hotline at 888-327-4236.

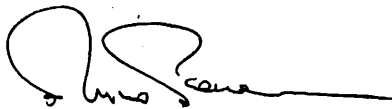
You may be eligible to receive reimbursement for the cost you incurred if you already have obtained a remedy for a problem associated with the defect described in this letter. However, you still must have this corrective action performed, regardless of any previous repairs that may have been performed. Information about the reimbursement program for pre-notification repairs is provided in the enclosure to this letter.

Federal regulation requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten working days.

If you no longer own this vehicle or your address has changed, please complete the enclosed prepaid yellow card and return it to Ferrari North America, Inc.

We urge you to comply with this notice promptly and we apologize for any inconvenience this may cause you.

Best Regards,

A handwritten signature in black ink, appearing to read 'Enzo Francesconi', with a long horizontal flourish extending to the right.

Enzo Francesconi  
Vice President of Technical Services  
Ferrari North America, Inc.

## ENCLOSURE

### Pre-Notification Reimbursement Program

You may be eligible for reimbursement if you previously incurred out-of-pocket costs for repairs or replacements of the forks fastening the front and rear lower suspension levers to the chassis covered by this recall campaign number 43.

1. This reimbursement program applies to the vehicles listed below and in the attached letter:

- Model year 1990-1992 with Vehicle Identification Numbers from **ZFFMN34A1L0084729** to **ZFFMN34A1N0093627**.

2. This reimbursement program applies to repairs or replacements of the front and rear forks mentioned above.

3. This reimbursement program applies to repairs or replacements of the front and rear forks for the F40s vehicle listed above, if such repair or replacement was made at any time up to ten days following the mailing of the attached notification letter.

4. This reimbursement program does not apply to repairs or replacements that were made within the period during which the original warranty would have provided for a free repair of the problem addressed by this recall, unless (i) a franchised dealer or authorized representative of Ferrari denied warranty coverage or (ii) the repair made under the warranty did not remedy the problem. Reimbursement also will not be provided if the pre-notification remedy was not of the same type as the recall remedy provided herein, did not address the defect that led to this recall, or was not reasonably necessary to correct the defect.

5. To obtain reimbursement for pre-notification remedies, you will need to provide a receipt, which may be an original or copy, identifying the equipment replaced; and, if the pre-notification remedy was obtained at a time when the vehicle was covered under the original warranty program, documentation indicating that the manufacturer's dealer or authorized facility either refused to remedy the problem addressed by the recall under the warranty or that the warranty repair did not correct the problem addressed by the recall. In addition, you will need to submit a written and signed claim for reimbursement that contains the information required in paragraph 6, below.

6. The claim for reimbursement should include the following information. (a) the name and address of the claimant; (b) identification of their vehicle's make, model, model year, and vehicle identification number; (c) identification of the Ferrari Campaign number (Campaign No. 43) or identification of the recall by reference to NHTSA's recall number; and (d) identification of the owner or purchaser of the vehicle at the time that the pre-notification remedy was obtained.

7. If you have any questions about the reimbursement program or need help in making a claim for reimbursement, please write or call Ferrari North America, Inc., at the following address and telephone number:

Ferrari North America, Inc.  
250 Sylvan Avenue  
Englewood Cliffs, NJ 07632  
(201) 816-2600 (National Technical Office)



# Ferrari

April X, 2005

Dear Ferrari Dealer:



This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Ferrari S.p.A., the manufacturer of Ferrari automobiles, has decided that a defect, which relates to motor vehicle safety, exists in certain 1990-1992 model year Ferrari F40 vehicles.

Ferrari S.p.A. has detected a defect in some vehicles mentioned above where, in certain extreme conditions of use, the forks fastening the front and rear lower suspension levers to the chassis can break or crack. Additionally, Ferrari S.p.A. has determined that this cracking or breaking could have been caused by an improper installation procedure, after the vehicle left the factory, which could lead to increased stress on the threaded pins' anchorage areas which could also cause the possible breakage of the forks. If such circumstances happen, it could lead to a loss of vehicle control and could result in a crash.

Therefore, FNA has decided to include the entire U.S. population of vehicles up to and including VIN **ZFFMN34A1N0093627**.

The breakdown of possibly affected vehicles is as follows:

- Starting with VIN: ZFFMN34A1L0084729
- Ending with VIN: ZFFMN34A1N0093627

Ferrari S.p.A. examined the problem and decided to update all the affected vehicles by installing new front and rear lower suspension forks. The new forks have a new design to compensate for the stress generated on them during extreme conditions of driving. The operation will be performed free of charge to the vehicle owner, and will require approximately 4.5 hours to complete (including wheel alignment).

We have accordingly sent notices to all owners of the affected vehicles advising them of this problem and requesting that they contact any Authorized Ferrari Dealer for the repairs, as per the attached notification letter.

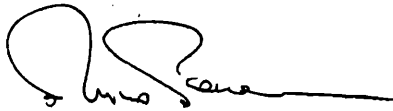
Federal regulation requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten working days.

Please note that you must order the necessary supply of these parts from the FNA Parts Department. Upon submission of a warranty claim using the normal warranty system, we will of course reimburse you for the parts and the labor necessary to carry out this recall campaign (**recall campaign no. 43**).

Obviously, if you have any of the affected vehicles in your stock, you must not sell them until you have performed the necessary repairs. If you have already sold any vehicles with the chassis numbers specified in the enclosed instructions and have not yet sent in the new owner information to FNA, please do so immediately. Your prompt action may allow us notify these owners.

Thank you for your cooperation and support on this matter.

Best Regards,

A handwritten signature in black ink, appearing to read 'Enzo Francesconi', with a long horizontal flourish extending to the right.

Enzo Francesconi  
Vice President of Technical Services  
Ferrari North America, Inc.

## **RECALL CAMPAIGN NO. 43**

### **Ferrari F40**

#### **“Replacement of the Forks fastening the front and rear lower suspension levers to the chassis”**

### **RECALL CAMPAIGN OVERVIEW**

**INTRODUCTION:** Ferrari F40

**SUBJECT:** Recall Campaign No. 43

**VEHICLES:** Ferrari F40, MY 1990 – MY 1992 (see attached list for VINs' involved)

The list shows that the affected Ferrari vehicles with **Vehicle Chassis Numbers from 84729 to 93627** are affected by this recall.

**CONDITION:** Ferrari S.p.A. has detected a defect in some vehicles mentioned above where, in certain extreme conditions of use, the forks fastening the front and rear lower suspension levers to the chassis can break or crack. If such circumstances happen, it could lead to a loss of vehicle control and could result in a crash.

**REMEDY:** Ferrari will replace all forks fastening the front and rear lower suspension levers to the chassis to help ensure that all F40 vehicles are in proper working order. The new forks have a new design to compensate for the stress generated on them during extreme driving conditions. Ferrari S.p.A. has examined the problem and decided to update all the affected vehicles by installing new forks (part no. **192281** and part no. **192280**). The installation of the new forks will help ensure that the vehicles are in proper working order. Therefore, it is necessary to replace the forks anchoring the front suspensions lower levers, part no. **137283** and the forks anchoring the rear suspensions lower levers, part no. **137282** with those listed in the table below.

## RECALL CAMPAIGN NO. 43

### Ferrari F40

#### RECALL CAMPAIGN OVERVIEW (cont.)

**PARTS INVOLVED:** The parts required for this repair are identified by the following part numbers:

Description	Quantity per Vehicle	Part Number
Front Washer	4*	190246
Front Lower Fork Suspension	4	192281
Rear Lower Fork Suspension	4	192280
Nylon Stop Nuts	8	150238

\*Any vehicles not equipped with the front washer, part no. **140552**, do not require to be fitted with the new washer part no. **190246** upon service.

**LABOR:** Replacement of the forks fastening the front and rear lower suspension levers to the chassis.

#### All Ferrari F40 Model

- Cost code.....24
- Campaign number .....43
- Component code .....610007
- Problem code .....01
- Labor Operation code .....6100079 (4.5 hrs)

**REIMBURSEMENT:** Upon receipt of a warranty claim via MODIS CS



## **RECALL CAMPAIGN NO. 43**

### **Ferrari F40**

### **Replacement of the Forks fastening the front and rear lower suspension levers to the chassis**

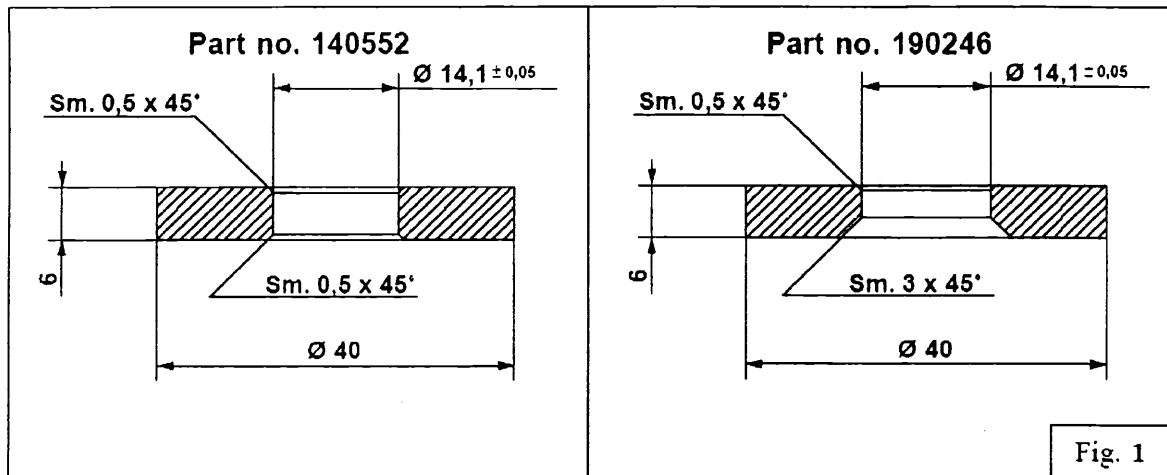
#### **Technical Instructions**

The intervention will involve vehicles with **Assembly Numbers starting with 1653 and ending with 10860**. Please refer to the last page for the list of the vehicles affected by this recall. In addition, always check the VIN on Modis CS to be sure the recall has not been performed.

FNA will inform all owners about this recall, asking all owners to take their vehicles to the Authorized Ferrari Dealers as soon as possible and have the forks replaced.

#### **Intervention Procedures**

Make sure during the replacement operations of the forks that the alignment adjusting shims (**slotted washer - if fitted – part no. 101039 - 1 mm thick, part no. 107338 - 1.5 mm thick, part no. 107339 – 2 mm thick, part no. 107340 - 2.5 mm thick, part no. 107341 - 3 mm thick, part no. 107342 - mm 3.25 thick**) are not found to be deformed and/or badly marked. If they are found to be deformed you should replace them with new ones, to help ensure they can be tightened fully and reliably to the torque indicated in the reassembly stage.



- It is important to know that some vehicles were equipped with a front washer, part no. **140552**, (Fig. 1). This component must be replaced with the new split washer - part no. **190246** (Fig. 1). During the reassembly stages, the chamfered section 3 X 45° shall face the resting surface of the fork. Any vehicles not equipped with the front washer, part no. **140552**, are not required to be fitted with the new washer part no. **190246**.
- Before inserting the new fork, apply a thin layer of Molikote (or similar lubricant obtained locally) to the rod only **and not on the threaded part**.
- All nylon stop nuts - part no. **12575821 (superseded by 150238)** must be replaced, without exception, with new ones.
- During the removal stage, you should also take the opportunity to inspect the flam-blocks - part no. **111617 (Qty. 16 for the rear suspension levers and Qty. 8 for the front suspension levers)**. If you notice that the flam-blocks are significantly damaged or worn, Ferrari strongly urges that you recommend to the customer to have them replaced in order to help ensure the suspension functions properly.



**Please advise the customer that the replacement of any damaged or worn flamblocks is not a part of this recall campaign, and therefore, if the customer chooses to have them replaced, the customer will be required to pay for the parts and labor involved.**

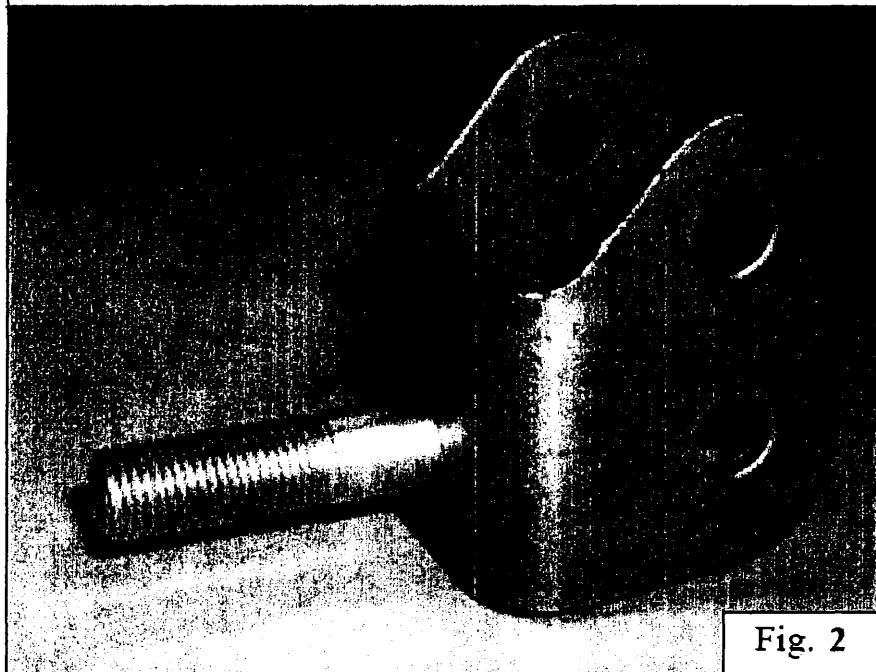
To replace the forks, place the vehicle on the hoist and proceed as follows:

**Front suspension**

- a) Remove the wheels
- b) Remove the coupling fastening the front shock absorber to the lower lever
- c) Remove the coupling fastening the fork to the lower lever
- d) Remove the coupling fastening the ball joint to the lower lever



**Fork Part no. 192281 front suspension**



- e) Remove the coupling fastening the fork to the chassis
- f) Replace the forks removed (part no. 137283) from the vehicle with the new forks (part no. 192281, see figure 2) and tighten each part to the following torques:





**Note:**

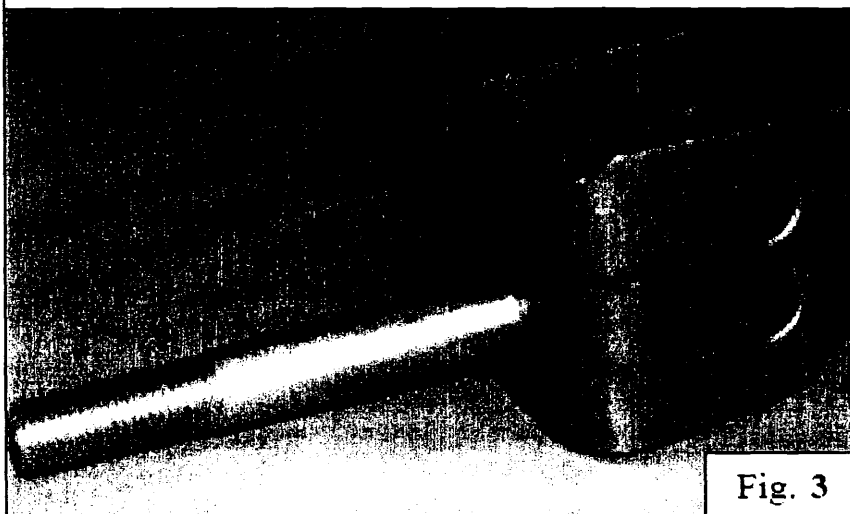
You must ensure that you replace the slotted wheel alignment washers with the same thickness as the one's previously removed; in order to correct any camber values when checking/adjusting for wheel alignment.

- g) Fasten the lower fork to the chassis (torque to 78 Nm or 58 ft lb)**
- h) Fasten the fork to the lower lever (torque to 56 Nm or 41 ft lb)**
- i) Fasten the ball joint to the lower lever (torque to 50 Nm or 37 ft lb)**
- j) Fasten the front shock absorber to the lower lever (torque to 56 Nm or 41 ft lb)**
- k) Fasten the wheel anchorage octagonal nut (torque to 650 Nm or 479 ft lb)**

**Note:**

The coupling between the wheel nut and the threaded hub must be made with the parts dry. In order to identify the vehicles that have already been serviced, you must mark all the screws fastening the levers to the forks with yellow paint.

**Fork Part no. 192280 rear suspension**



**Fig. 3**



## Rear suspension

- a) Remove the wheels
- b) Remove the coupling fastening the link to the lower lever
- c) Remove the coupling fastening the lower lever to the hub carrier
- d) Remove the coupling fastening the lower lever to the fork
- e) Remove the coupling fastening the fork to the chassis
- f) Replace the forks removed (part no. **137282**) from the vehicle with the new forks (part no. **192280**, see figure 3) and tighten them to the following torques shown below:

### Note:

The rear suspension lower lever must **ONLY be installed in the fork's upper hole**. You must ensure that you replace the slotted wheel alignment washers with the same thickness as the one's previously removed, in order to correct any values when checking/adjusting for wheel alignment.

- Fasten the lower fork to the chassis (**torque to 78 Nm or 58 ft lb**)
- Fasten the lower lever to the hub carrier (**torque to 56 Nm or 41 ft lb**)
- Fasten the lower lever to the fork (**torque to 80 Nm or 59 ft lb**)
- Fasten the wheel anchorage octagonal nut (**torque to 650 Nm or 479 ft lb**)

### Note:

The coupling between the wheel nut and the threaded hub must be installed with the parts dry. In order to identify the vehicles that have already been serviced, you must mark all the screws fastening the levers to the forks with yellow paint.



Check for wheel alignment using the values shown below:

	Alignment Information	Alignment Information
	Front	Rear
<b>Camber</b>	-1° 10' ÷ -1° 30'	-1° 0' ÷ -1° 20'
<b>Toe-in</b>	1.5 ÷ 2.5 mm	2.5 ÷ 3.5 mm
<b>Caster</b>	5° 20' ÷ 5° 40'	

### **Servicing Rules**

The new parts are available from our FNA Parts Dept., and must be order by your department according to your supply and demand. As a reminder, forks part no. **137283** and part no. **137282** must no longer be used. Any of these forks currently in your stock must be scrapped following the normal FNA procedures. In addition, the forks removed during these service operations must be scrapped.



VIN	Assy No.	VIN	Assy No.	VIN	Assy No.
84729	1653	86173	3066	86746	3651
84838	2605	86209	3148	86783	3661
84944	2248	86230	3112	86803	3716
84977	2486	86248	3092	86840	3744
85015	2528	86268	3111	86859	3793
85073	2451	86325	3176	86878	3805
85114	2599	86345	3207	86897	4334
85151	2604	86403	3280	86916	3760
85210	2694	86420	3224	86936	3887
85226	5950	86438	3258	86954	3824
85269	2567	86439	3281	86973	3889
85318	2664	86459	3257	86992	3868
85336	2696	86478	3294	87011	3938
85416	2658	86498	3334	87030	3927
85454	2663	86517	3356	87031	3992
85516	2794	86518	3383	87041	3965
85575	2747	86519	3426	87066	4010
85596	2823	86536	3418	87085	4026
85672	2767	86554	3459	87103	4083
85712	2825	86555	3427	87104	4044
85732	2841	86582	3447	87122	4056
85788	2875	86602	3460	87144	4123
85829	2906	86620	3557	87161	4122
85887	2968	86640	3993	87181	4084
85925	3094	86658	3574	87200	4147
85963	2995	86678	3592	87219	4227
85982	2932	86697	3558	87237	4187
86056	3079	86708	3575	87256	4242
86118	3014	86726	3633	87275	4243



VIN	Assy No.	VIN	Assy No.	VIN	Assy No.
87306	4293	88251	5677	92779	10004
87324	4314	88374	6054	92816	10122
87345	4386	88423	6127	92873	10074
87363	4353	88451	6170	92914	10124
87400	4391	88637	6253	92960	10176
87419	4389	88668	6428	92978	10178
87436	4433	88706	6463	93013	10304
87454	4412	91850	9005	93048	10248
87473	4461	91912	9142	93065	10373
87493	4468	91963	9242	93103	10440
87511	4561	92017	9144	93139	10518
87530	4547	92040	9168	93211	10646
87549	4592	92078	9297	93290	10648
87568	4651	92116	9300	93428	10736
87589	4724	92153	9382	93518	10739
87608	4773	92189	9384	93589	10856
87627	4828	92233	9462	93627	10860
87646	4897	92265	9464		
87665	4963	92296	9496		
87763	4962	92336	9500		
87804	5393	92396	9627		
87821	5481	92439	9630		
87859	5600	92463	9752		
87895	5739	92501	9754		
87932	5720	92541	9790		
87969	5865	92622	9788		
88034	5833	92660	9863		
88129	5991	92708	9941		
88201	6024	92739	10002		