

# Ferrari

Ferrari North America, Inc.

January 30, 1998

Ms. Kathleen DeMeter, Director  
Office of Defects Investigation  
National Highway Traffic Safety Administration  
400 Seventh Street, SW  
Washington, D.C. 20590

RECEIVED  
OFFICE OF DEFECTS INVESTIGATION  
FERRARI NORTH AMERICA, INC.

0-V-026 (1)

Dear Ms. DeMeter:



Enclosed please find Vehicle Safety Defect Initial Information Reports regarding the Recall Campaign which we are initiating in order to correct the following:

On Ferrari vehicles, 1997 model F550 Maranello with assembly numbers lower than 26009, which have been fitted with wheel bolts part number 146989, the potential for the wheel bolts to loosen exists.

Should such a condition occur, the result would be wheel rim vibration.

This condition was determined to exist after the Ferrari factory laboratory tests showed that the tightening torque of the wheel bolts, (recommended 120 Nm), can be altered due to the seizing of bolts causing transfer of metal and incorrect torque reading.

The remedy consists of replacing the 20 wheel bolts, part number 146989, with 20 wheel bolts, part number 176426, tightening them to a torque of 120 Nm. These new wheel bolts have been permanently treated with anti-seizing material (Molykote D321R) by the manufacturer.

Attached you will find a list of all vehicles potentially affected.

For the above campaign, it is our intention to notify each Ferrari Dealer with a comprehensive letter explaining the remedy and to notify each potentially affected vehicle owner with a letter informing them of the required recall modification. Follow-up letters will be sent if necessary.

Enclosed are draft letters that Ferrari North America, Inc. will send to the potentially affected owners and to the Authorized Ferrari Dealers, as well as a draft of the technical instructions.

Please do not hesitate to contact me at 201-816-2652 with any questions that you may have regarding the foregoing.

Best regards,

  
William S. Story  
Director of Technical Services

WSS:cc  
Ferrari North America, Inc.  
250 Sylvan Avenue  
Englewood Cliffs, NJ 07632  
Telephone 201.816.2652  
Fax 201.816.2626

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FERRARI NORTH AMERICA, INC.  
250 SYLVAN AVENUE  
ENGLEWOOD CLIFFS, NJ 07632  
January 28, 1998

VEHICLE SAFETY DEFECT  
INITIAL INFORMATION REPORT  
F 550 MARANELLO - WHEEL BOLT REPLACEMENT

RECALL No. 160

Date Submitted: January-98  
Date Received: December-97  
Campaign No.: 160  
Campaign Date: February-98

<u>MAKE</u>	<u>MODEL</u>	<u>MODEL YEAR</u>	<u>NO. OF VEHICLES</u>	<u>ENCLOSED MFG. DATES</u>	<u>OTHER VEHICLE IDENTIFICATION</u>	
				<u>From</u> <u>Through</u>		
FERRARI	550 Maranello	1997	48	January 1997	May 1997	Vehicles fitted with wheel bolts, part number 146989. See attached list.

88V-26 (2)

FERRARI NORTH AMERICA, INC.  
250 SYLVAN AVENUE  
ENGLEWOOD CLIFFS, NJ 07632  
January 28, 1998

VEHICLE SAFETY DEFECT  
INITIAL INFORMATION REPORT  
F 550 MARANELLO - WHEEL BOLT REPLACEMENT

RECALL No. 160

A) DESCRIPTION OF DEFECT:

On Ferrari Vehicles: Model year: 1997 F 550 Maranello vehicles fitted with wheel bolts, part number 146989.

During routine maintenance, proper torque of the wheel bolts, part number 146989, may not be achieved. This anomaly can cause wheel rim vibration.

B) CHRONOLOGY OF EVENTS WHICH LED TO DETERMINATION OF A SAFETY DEFECT:

The Ferrari Factory informed us of the following:

This condition was determined to exist after laboratory tests have shown that changes in the tightening torque of the wheel bolts, part number 146989, can occur due to the seizing of bolts causing transfer of metal and incorrect torque reading.

C) MEASURES TO BE TAKEN TO REPAIR VEHICLE:

Replace the 20 wheel bolts, part number 146989, with 20 wheel bolts, part number 176426, tightening them to a torque of 120 Nm. These new wheel bolts have been permanently treated with anti-seizing material (Molykote D321R) by the manufacturer.

ESTIMATED INITIATION OF CORRECTIVE ACTION:

February-98

03V-026 (4)

February 1998

Dear Ferrari Dealer :

Ferrari S.p.A., the manufacturer of Ferrari automobiles, has determined that a defect exists in certain 1997 model year F 550 Maranello vehicles fitted with wheel bolts part number 146989.

On vehicles with assembly numbers lower than 26009, which have been fitted with wheel bolts part number 146989, the potential for the wheel bolts to loosen exists. Should such a condition occur, the result would be wheel rim vibration.

The above described defect can be eliminated by replacing the 20 wheel bolts, part number 146989, with 20 wheel bolts, part number 176426, tightening them to a torque of 120 Nm. These new wheel bolts have been permanently treated with anti-seizing material (Molykote D321R) by the manufacturer.

The corrective action will require approximately 0.4 hours.

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.

Upon transmittal of the repair under the normal warranty system, we will of course reimburse you for the labor and applicable parts necessary to carry out this campaign.

Obviously, if you have any of the effected 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 retail sales cards, please do so at once so we may notify these owners.

Thank you for your cooperation.

Best Regards,

William S. Story  
Directory of Technical Services

WSS.cc

Attachments

Q:RECALL/16/DEALER-18

026-026 (5)

## INSTRUCTIONS FOR WHEEL BOLT REPLACEMENT

A: Preliminary :           The replacement wheel bolts are supplied as spare parts by the part number 176426.

B: Procedure for installation

- 1)           Lift vehicle using a suitable vehicle lift.
- 2)           Remove all 5 old style wheel bolts.
- 3)           Install all 5 new style wheel bolts tightening to a torque of 120 Nm, using a properly calibrated torque wrench.
- 4)           Repeat for remaining 3 wheels.
- 5)           Lower the vehicle.
- 6)           Re-check the torque on all 20 wheel bolts (tighten to 120Nm).

**RECALL CAMPAIGN NO. 160**

02V-026 (16)

**INTRODUCTION :** Wheel Bolt Replacement

**SUBJECT :** Recall Campaign No. 160  
Ferrari 550 Maranello

**VEHICLES :** Ferrari 550 Maranello 1997 vehicles with a vehicle assembly number lower than 26009 fitted with wheel bolts part number 146989.

**CONDITION :** Due to the seizing of bolts causing transfer of metal and incorrect torque reading, the wheel bolts can be altered causing the wheel bolts to loosen. Should such a condition occur, the result would be wheel rim vibration.

**REMEDY :** Replacement of the 20 wheel bolts with new part number 176426, which have been permanently treated with anti-seizing material (Molykote D321R)

**PARTS :** The new bolts are identified by the following part number :

<u>old part number</u>	<u>new part number</u>	<u>quantity</u>	<u>description</u>
146989	<u>176426</u>	20	Wheel bolt

**COST :** A) An initial supply of new wheel bolts will be sent to your dealership. Your Parts Account will be charged accordingly.  
B) Additional wheel bolts can be ordered from the Ferrari North America Parts Department in Englewood Cliffs, New Jersey.

**LABOR :**

**Front Wheel Bolts Recall Number 160/1**

Component Code	6176	Cost Code	24
Labor Operation	61760	Time	.2 Hour
Defect Code	01		

**Rear Wheel Bolts Recall Number 160/2**

Component Code	6256	Cost Code	24
Labor Operation	62560	Time	.2 Hour
Defect Code	01		

**REIMBURSEMENT :** Upon receipt of claim via MEDEA

February 1998

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 determined that a defect may exist in certain 1997 model year F 550 Maranello Ferrari vehicles fitted with wheel bolts part number 146989.

On vehicles with assembly numbers lower than 26009, which have been fitted with wheel bolts part number 146989, the potential for the wheel bolts to loosen exists. Should such a condition occur, the result would be wheel rim vibration.

Since your car is among those potentially affected by the above condition, we kindly ask you to contact any Ferrari Authorized Dealer immediately in order to arrange an inspection of your automobile, and if necessary, the Dealer will perform the required modification.

The corrective action for the above listed repair will be performed free of charge to you and will require approximately 0.4 hours to complete. Please plan, however, to leave your vehicle with the dealer all day to allow the dealer some flexibility for scheduling your repairs.

By the time you receive this letter, the Authorized Ferrari Dealer will have been supplied with the instructions and parts to perform the repair. If the Dealer fails or is unable to make the necessary repairs free of charge within a reasonable time, you should inform the National Headquarters Office of Ferrari North America, Inc.

250 Sylvan Avenue  
Englewood Cliffs, NJ 07632  
(201) 816-2651 (National Technical Office)

Although we urge you to immediately call the number indicated above, if the vehicle is not repaired free of charge to you or within a reasonable time, you may also contact the Administrator of the National Traffic Safety Administration in Washington, D.C. 10590 or call the Auto Safety Hot line at 800-424-9393 nationally and (202) 366-0123 for Washington, D.C. area residents.

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

Best Regards,

William S. Story  
Directory of Technical Services

WSS:cc

# Ferrari

Ferrari North America, Inc.

February 12, 1998

Ms. Patricia Wallace  
Recall Analyst  
Recall Analysis Division  
National Highway Traffic Safety Administration  
400 Seventh Street, SW  
Washington, D.C. 20590



Ref: Recall 98V-026

Dear Ms. Wallace:

For your records, enclosed please find a copy of the Recall 160 "F 550 Maranello: Wheel Bolt Replacement" booklet, which was sent to all of our dealers.

Best regards,

A handwritten signature in cursive script that reads "Concetta Ciaccio".

Concetta Ciaccio  
Assistant to the Warranty Manager

Attachment

QTRCAL1216NNHTSA-160-BOOK



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# RECALL CAMPAIGN

**REF. NO. 160  
WHEEL BOLT REPLACEMENT  
F 550 MARANELLO**

**FEBRUARY 1998**

READ, INITIAL  
AND PASS ON »

Service Manager	Parts Manager	Service Writer	Technician				Warranty Clerk

February 1998

Dear Ferrari Dealer :

Ferrari S.p.A , the manufacturer of Ferrari automobiles, has determined that a defect exists in certain 1997 model year F 550 Maranello vehicles fitted with wheel bolts part number 146989.

On vehicles with assembly numbers lower than 26009, which have been fitted with wheel bolts part number 146989, the potential for the wheel bolts to loosen exists. Should such a condition occur, the result would be wheel rim vibration.

The above described defect can be eliminated by replacing the 20 wheel bolts, part number 146989, with 20 wheel bolts, part number 176426, tightening them to a torque of 120 Nm. These new wheel bolts have been permanently treated with anti-seizing material (Molykote D321R) by the manufacturer.

The corrective action will require approximately 0.4 hours.

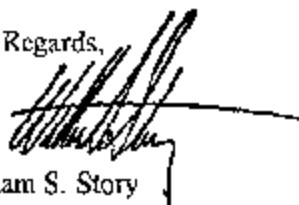
We have accordingly sent notices to all owners of the affected vehicles advising them of this problem and requesting that they contact any Authorized Ferrari Dealer for the repairs, as per the attached notification letter.

Upon transmittal of the repair under the normal warranty system, we will of course reimburse you for the labor and applicable parts necessary to carry out this campaign.

Obviously, if you have any of the effected 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 retail sales cards, please do so at once so we may notify these owners.

Thank you for your cooperation.

Best Regards,



William S. Story  
Directory of Technical Services

WSS:cc

Attachments: Q7RECALLE16VDEA:ER-160

February 1998

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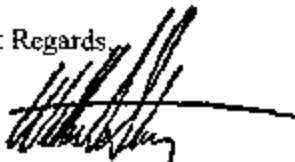
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250 Sylvan Avenue  
Englewood Cliffs, NJ 07632  
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We urge you to comply with this notice promptly and we apologize for any inconvenience this may cause you.

Best Regards,



William S. Story  
Directory of Technical Services

WSS:cc

## RECALL CAMPAIGN NO. 160

**INTRODUCTION :** Wheel Bolt Replacement

**SUBJECT :** Recall Campaign No. 160  
Ferrari 550 Maranello

**VEHICLES :** Ferrari 550 Maranello 1997 vehicles with a vehicle assembly number lower than 26009 fitted with wheel bolts part number 146989.

**CONDITION :** Due to the seizing of bolts, causing transfer of metal, specified tightening torque can be altered causing the wheel bolts to loosen.  
Should such a condition occur, the result would be wheel rim vibration.

**REMEDY :** Replacement of the 20 wheel bolts with new part number 176426, which have been permanently treated with anti-seizing material (Molykote D321R)

**PARTS :** The new bolts are identified by the following part number :

old part number	new part number	quantity	description
146989	<u>176426</u>	20	Wheel bolt

**COST :**

A) An initial supply of new wheel bolts will be sent to your dealership.  
Your Parts Account will be charged accordingly.

B) Additional wheel bolts can be ordered from the Ferrari North America Parts Department in Englewood Cliffs, New Jersey.

**LABOR :**

**Front Wheel Bolts Recall Number 160/1**

Component Code	6176	Cost Code	24
Labor Operation	61760	Time	.2 Hour
Defect Code	01		

**Rear Wheel Bolts Recall Number 160/2**

Component Code	6256	Cost Code	24
Labor Operation	62560	Time	.2 Hour
Defect Code	01		

**REIMBURSEMENT :** Upon receipt of claim via MEDEA

## INSTRUCTIONS FOR WHEEL BOLT REPLACEMENT

A: Preliminary :            The replacement wheel bolts are supplied as spare parts by the part number 176426.

B: Procedure for installation

- 1)            Lift vehicle using a suitable vehicle lift.
- 2)            Remove all 5 old style wheel bolts.
- 3)            Install all 5 new style wheel bolts tightening to a torque of 120 Nm, using a properly calibrated torque wrench.
- 4)            Repeat for remaining 3 wheels.
- 5)            Lower the vehicle.
- 6)            Re-check the torque on all 20 wheel bolts (tighten to 120Nm).

**RECALL 160  
WHEEL BOLT REPLACEMENT  
F 550 MARANELLO**

**LIST OF SERIAL NUMBERS**

107888	108749
107946	108762
107960	108776
107973	108792
108098	108927
108103	108928
108107	108939
108108	108940
108285	108954
108286	108955
108287	108969
108522	108979
108523	108980
108538	108981
108553	109012
108568	109013
108583	109017
108585	109019
108708	109041
108709	109042
108712	109056
108717	109057
108721	109058
108733	109089