

01V-025

RECALL CAMPAIGN

**REF. NO. 30
INSTRUMENT CLUSTER
REPROGRAMMING
360 MODENA / 360 MODENA F1**

MARCH 2001

**READ , INITIAL
AND PASS ON »**

Service Manager	Parts Manager	Service Writer	Technician				Warranty Clerk



Ferrari North America, Inc.

March, 2001

Dear Ferrari Dealer:

Ferrari S.p.A., the manufacturer of Ferrari automobiles, has decided that a defect, which relates to motor vehicle safety exists in certain 1999 model year Ferrari 360 Modena / 360 Modena F1 vehicles.



On certain Ferrari vehicles, 1999 model year 360 Modena / 360 Modena F1, with Vehicle Identification Numbers from 114015 to 119171, which have a Vehicle Assembly Number from 32108 to 36061, a software programming error exists in the integrated electronic instrument cluster of the vehicle. The error in software programming has been determined to exist in the brake system warning light monitoring function of the instrument cluster.

As a result of the software programming error, under certain circumstances the red EBD electronic brake distribution warning light will not be illuminated. As a result, if a problem was to exist and the vehicle's use was continued in this condition, it would be possible that loss of vehicle control would occur and result in a vehicle crash.

The remedy consists of removing the instrument cluster from the vehicle and connecting a special tester through a computer and downloading updated software into the instrument cluster ECU.

This operation will be performed free of charge to the vehicle owner, and will require approximately **2.0 hours** to complete.

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.

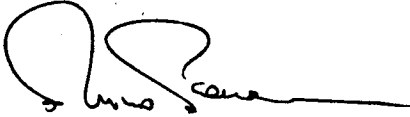
You will automatically receive a reprogramming kit containing, the special cable and software, from our Spare Parts Department.

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

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 retail sales cards, please do so at once so we may notify these owners.

Thank you for your cooperation.

Best Regards,



Enzo Francesconi
Director of Technical Services

RECALL CAMPAIGN NO. 30
360 Modena / 360 Modena F1
Instrument Cluster Reprogramming
RECALL CAMPAIGN OVERVIEW

INTRODUCTION: Ferrari 360 Modena / 360 Modena Instrument Cluster Reprogramming

SUBJECT: Recall Campaign No. 30

VEHICLES: Ferrari 360 Modena / 360 Modena F1
Model Year 1999
Vehicle Assembly Numbers from 32108 to 36061
Vehicle Identification Numbers from 114015 to 119171
See the attached list of affected vehicles

CONDITION: A software programming error exists in the integrated electronic instrument cluster of the vehicle. The error in software programming has been determined to exist in the brake system warning light monitoring function of the instrument cluster.
As a result of the software programming error, under certain circumstances the red EBD electronic brake distribution warning light will not be illuminated. As a result, if a problem was to exist and the vehicle's use was continued in this condition, it would be possible that loss of vehicle control would occur and result in a vehicle crash.

REMEDY: The remedy consists of removing the instrument cluster from the vehicle and connecting a special tester through a computer and downloading updated software into the instrument cluster ECU.

PARTS: There are no parts required for this repair only a special cable and software identified by the following part numbers:

Part Number	Quantity	Description
70000951	1	Software / Cable Kit

LABOR: **Reprogramming the instrument cluster.**
Cost Code24
Campaign Number30
Defect Code.....01
Component Code.....950 105
Labor Operation (includes all labor)950 105 9
Total Operation Time2.0 hours

REIMBURSEMENT: Upon receipt of a warranty claim via M.O.D.I.S.
On the first warranty claim you must add the cost of the kit and the labor.
All subsequent warranty claims will be for labor only.

RECALL # 30

360 Modena / 360 Modena F1

Instrument Cluster Reprogramming

Technical Instructions

NOTE: Before starting the instrument cluster reprogramming procedure, you **MUST** read these instructions carefully and completely.

Procedure:

Installation on the PC

To reprogram the instrument cluster, you must use the specific software contained on the provided CD-ROM in the reprogramming kit (part number 70000951) and install it on a PC equipped with the basic SD2 Diagnosis Operating System.

Insert the CD-ROM in the CD Drive and follow the program installation instructions until it is completed. Once the installation has been executed, an icon on the desktop will appear; this will allow the user to run the program.

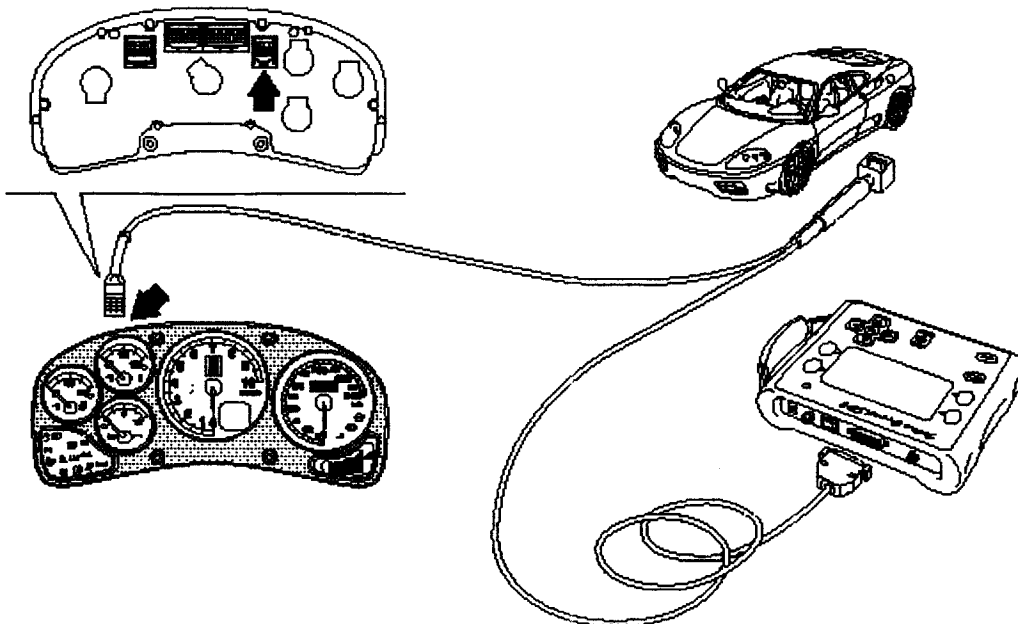
NOTE: The SD2 diagnosis system must **NOT** be activated with the normal software updating program for the 360modena.

Downloading the software onto the Tester

Run the program for the “**360modena dashboard updating software**” using the icon on the desktop and with the SD2 Tester in “**Link with PC**” mode, download the instrument cluster updating software for the 360modena onto the tester.

Select “**Download Software**” from the “**Main**” menu and wait for the program to complete downloading the software onto the SD2.

NOTE: It is important to know that a subsequent activation of the SD2 Diagnosis System will cancel all the files downloaded onto the SD2 tester. This means that the software must be re-downloaded onto the tester every time the updating program is subsequently used.



Preparing the car

In order to update the instrument cluster, it is necessary to physically remove it from the car and connect it to the SD2 using the supplied cable harness.

- Turn the key to “**OFF**”, switch off the hazard and parking lights and close the doors for at least 15 seconds, then disconnect the battery.
- Remove the dashboard (take care not to damage it) by detaching all the wiring from the connectors.
- Attach the one end of the supplied cable harness with the instrument panel, and the other end with the car’s (12-pin connector) wiring.

NOTE: The 12-pin connector will be the only connector of the car’s wiring used for this updating. Do not connect any other wiring to the dashboard.

- After this operation plug in the 25 pin connector to the SD2 tester.
- It is essential to make sure that all the wiring is properly secured to avoid any connection problems during the update.
- It is essential to connect a battery charger to the car and set it so that it supplies a **stable voltage between 13 – 16 volts**.
- Switch the battery back on and wait approximately **1 hour** or until the battery is sufficiently charged leaving the battery charger connected until reprogramming is complete.
- The system is now ready to carry out the instrument cluster updating procedure.

The battery charger used must supply a stable output because, otherwise, any electrical disturbances induced could cause the instrument cluster to switch into automatic diagnostic mode (the instrument needles move, the multifunction display shows random symbols, the warning lights flash, etc.) and the reprogramming procedure fails.

During the programming stage, do not disconnect the tester or the instrument cluster. This would result in permanent damage to the instrument cluster memory, thereby rendering it unusable.

Updating procedure

- Select “**Start Procedure**” from the “**Main**” menu on the updating program.
- Follow all the instructions illustrated on the screen until the reprogramming has been completed.
 - The first procedure will check that the battery voltage, ambient air temperature and the installed software version are within the required range.

NOTE: If the installed software version is **less than v. 6.39**, you must contact your **ATM** (Area Technical Manager) and replace the instrument cluster.

If the installed software version is **greater than v. 6.59**, the instrument cluster does **NOT** need to be reprogrammed.

- After the initial check step, the program will ask to check that the doors are closed, the hazards are off, the part lights are off and will then ask to turn the key **OFF** and then after the instrument cluster shuts down it will ask to turn the key **ON**.
- If the instrument cluster goes into automatic diagnosis mode (mentioned above) it will be necessary to switch the key **OFF** again, wait approximately **15 seconds** and repeat the same procedure, but this time disconnecting the battery charger when the **message “turn the key off”** appears. It is important, however, that the battery be sufficiently charged.
- Once the key is on, the actual programming process will be initialized.

DURING THE PROGRAMMING PROCESS, IT IS EXTREMELY IMPORTANT NOT TO PERFORM ANY OPERATIONS ON THE VEHICLE, WHICH MAY INTERRUPT THE CONNECTION TO THE TESTER. ANY INTERRUPTION MAY RESULT IN IRREPARABLE DAMAGE TO THE FLASH MEMORY OF THE INSTRUMENT CLUSTER.

- At the end of the programming process, the software verifies the procedure by reading the FLASH memory of the instrument cluster to crosscheck the correct programming. If for some reason this crosscheck value is incorrect, the software will automatically repeat the reprogramming process up to a maximum of 10 times.
- If at the end of the process, the instrument cluster fails the reprogramming operation, please contact you must contact your **ATM** and replace the instrument cluster.
- After the instrument cluster reprogramming stage has been completed, it is necessary to refit the instrument cluster.
- Wait at least 15 seconds with the key off, and then carry out a cycle test using the SD2 tester, in order to make sure it is working correctly and to delete all the errors, which may have been caused in other ECUs.
- Fax the completed cycle test printout to your ATM.

NOTE: Updating the instrument cluster can only be carried out when the installed software version is higher than or equal to the version **6.38**.

The reprogramming kit (part number **70000951**) will be sent to you automatically by our Spare Parts Department.

Warning: To identify the updated dashboards, it is necessary to connect the SD-2 and check that the installed software version displayed is higher or equal to **6.59**. For example, **“Hardware and Software Version: MC 06-59”**. If these data are **NOT** read, it is necessary to carry out the updating.

Recall #30
List of Affected Vehicles
360 Modena / 360 Modena F1
Instrument Cluster Reprogramming

<u>Vehicle</u> <u>Identification</u>	<u>Vehicle</u> <u>Identification</u>	<u>Vehicle</u> <u>Identification</u>
<u>Number</u>	<u>Number</u>	<u>Number</u>
114015	116591	116908
114021	116592	116909
115013	116629	116910
115014	116631	116911
115015	116632	116912
115016	116633	116913
115017	116635	116914
115018	116636	116915
115019	116637	116917
115020	116639	116918
115250	116641	116921
115251	116736	117277
115471	116753	117278
116132	116754	117279
116133	116755	117280
116172	116756	117281
116174	116757	117303
116177	116758	117304
116179	116759	117305
116351	116760	117307
116352	116761	117308
116353	116762	117309
116354	116834	117310
116423	116835	117311
116442	116836	117312
116443	116837	117313
116444	116838	117314
116447	116839	117315
116470	116840	117372
116471	116841	117373
116472	116842	117374
116586	116843	117376
116587	116904	117377
116588	116905	117378
116589	116906	117379
116590	116907	117380

Recall #30
List of Affected Vehicles
360 Modena / 360 Modena F1
Instrument Cluster Reprogramming

<u>Vehicle</u> <u>Identification</u>	<u>Vehicle</u> <u>Identification</u>	<u>Vehicle</u> <u>Identification</u>
<u>Number</u>	<u>Number</u>	<u>Number</u>
114015	116591	116908
117381	117628	117979
117382	117630	117980
117383	117631	117981
117384	117632	118051
117385	117825	118054
117386	117826	118055
117387	117827	118056
117388	117828	118057
117389	117829	118059
117390	117830	118063
117462	117831	118064
117463	117832	118065
117464	117833	118066
117465	117834	118067
117466	117836	118068
117467	117837	118070
117468	117838	118071
117469	117839	118072
117470	117840	118073
117540	117841	118074
117541	117842	118075
117543	117843	118076
117544	117844	118077
117545	117845	118078
117546	117847	118080
117550	117848	118081
117551	117849	118082
117552	117850	118083
117591	117851	118085
117620	117852	118086
117621	117857	118121
117622	117858	118122
117623	117859	118123
117624	117976	118124
117625	117977	118125
117627	117978	118126

Recall #30
List of Affected Vehicles
360 Modena / 360 Modena F1
Instrument Cluster Reprogramming

Vehicle
Identification
Number
114015
118127
118128
118129
118130
118131
118132
118191
118192
118193
118194
118195
118196
118197
118198
118199
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118208
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118210
118211
118212
118213
118214
118215
118355
118356
118357
118358
118359

Vehicle
Identification
Number
116591
118360
118361
118362
118363
118391
118392
118393
118394
118395
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118397
118398
118399
118400
118401
118402
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118413
118414
118415
118416
118417
118418
118419
118420
118421
118422

Vehicle
Identification
Number
116908
118423
118454
118455
118457
118540
118541
118606
118607
118608
118609
118610
118611
118666
118670
118671
118672
118673
118674
118675
118676
118677
118748
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118869
118870
118871
118872
118873
118874

Recall #30
List of Affected Vehicles
360 Modena / 360 Modena F1
Instrument Cluster Reprogramming

Vehicle
Identification

Number

114015
118875
118876
118877
118878
118879
118880
118881
118882
118883
118884
118885
118886
118887
118888
118889
118890
118891
118892
118893
118894
118895
118896
118898
118899
118900
119021
119022
119023
119171

Vehicle
Identification

Number

116591

Vehicle
Identification

Number

116908



Ferrari North America, Inc.

March 31, 2001

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



Serial Number: «VIN»

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 1999 model year Ferrari 360 Modena / 360 Modena F1 vehicles.

On certain Ferrari vehicles, 1999 model year 360 Modena / 360 Modena F1, with Vehicle Identification Numbers from 114015 to 119171, which have a Vehicle Assembly Number from 32108 to 36061, a software programming error exists in the integrated electronic instrument cluster of the vehicle. The error in software programming has been determined to exist in the brake system warning light monitoring function of the instrument cluster.

As a result of the software programming error, under certain circumstances the red EBD electronic brake distribution warning light will not be illuminated. As a result, if a problem was to exist and the vehicle's use was continued in this condition, it would be possible that loss of vehicle control would occur and result in a vehicle crash.

The remedy consists of removing the instrument cluster from the vehicle and connecting a special tester through a computer and downloading updated software into the instrument cluster ECU.



Since your car is among those affected by the above condition, we kindly 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.

The corrective action for the above listed repair will be performed free of charge to you and will require approximately **2.0 hours** to complete. Please plan, however, 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) 816-2651 (National Technical Office)

If the affected vehicle is not repaired free of charge to you 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 Auto Safety Hotline at 888-327-4236.

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".

Enzo Francesconi
Director of Technical Services