PURPOSE

Some affected vehicles have incorrect parameters in the Powertrain Control Module (PCM) software that may cause the warm-up catalytic converter to overheat and melt when the vehicle is repeatedly driven at wide-open throttle. For certain 2002–2003 vehicles, new warranty limits will apply to the warm-up catalytic converter, which are described in the CUSTOMER NOTIFICATION and WARRANTY INFORMATION sections of this bulletin.

- For all affected vehicles, reprogram the PCM as described in this bulletin, regardless of the age or mileage of the vehicle.
- If an affected vehicle has a Service Engine Soon (SES) lamp on and DTC P0421 set, also replace the warm-up catalytic converter, using an exhaust manifold repair kit. See warranty details below.

AFFECTED VEHICLES

2002–2005 Lancer models equipped with 2.0L engine (approximately 195,000 vehicles)

CUSTOMER NOTIFICATION

A letter will be sent to all owners of affected vehicles, telling them to bring their vehicle to a Mitsubishi Motors dealer to have the PCM reprogrammed at no charge, and that if their vehicle has a SES lamp on for failure of the warm-up catalytic converter (DTC P0421), they will also receive a new warm-up catalytic converter.

In addition, owners will be advised that the new warranty coverage for the warm-up catalytic converter will be extended from 8 years/80,000 miles to a limit of 8 years/100,000 miles. Until February 28, 2006, replacement of the warm-up catalytic converter will be free of charge, regardless of vehicle mileage.

After February 28, 2006, all owners (regardless of vehicle mileage) will be entitled to the PCM reflash free of charge. However, warm-up catalytic converter replacement will not be covered under the warranty if a 2002–2003 model has over 100,000 miles (over 80,000 miles for 2004–2005 models). A copy of the customer notification letter appears later in this bulletin.

REQUIRED OPERATIONS

Before starting this campaign procedure, CHECK ON THE WARRANTY SUPERSCREEN to verify that the vehicle is an affected VIN for this campaign and that this campaign procedure has not already been completed.
BATTERY VOLTAGE (AS MEASURED AT THE BATTERY POSTS WITHOUT ELECTRICAL LOAD) MUST BE 12.4V OR HIGHER IN ORDER TO REPROGRAM THE PCM.

1. Check the underside of the hood to verify that there is no label previously installed to indicate that this Emissions Recall reprogramming has already been done.

2. Verify that the vehicle's PCM part number is listed in the table in Step 11 of this bulletin.
   a. Verify whether the ROM ID is the same as the ROM ID listed in the table in Step 11. If the ROM ID is the same as or higher than the ROM ID in the table, the PCM has already been reprogrammed for this concern.

3. Note any DTCs set in the PCM. Then use the MUT−III to erase all DTCs.

4. Verify that your MUT−III has the most current version of the reprogramming database:
   a. Select “Special Function”, then select “ECU Reprogramming.”
   b. Select “Database File Display”. The database version is displayed in the top right corner of the screen. Make sure the database version is N05111 or greater.
   c. If the database version is less than N05111, go to Step 5.
   d. If the database version is N05111 or greater, go to Step 8.

5. Turn the ignition key to OFF and disconnect the MUT−III.

6. Gather the following reprogramming equipment:
   - MUT−III / STV Reflash Update CD 12/05 or later
   - Memory Card 128 MByte Compact Flash MB991853
   - Memory Card Adapter PCMCIA MB991939
   - “Engine Compartment/Control Module” Labels p/n MSSF−024G−00

7. Install Reflash Update CD 12/05 in the MUT−III laptop. Follow the CD installation instructions.

8. Transfer the reprogramming data from the laptop to the memory card.
9. Remove the memory card from the laptop and install it in the VCI. Connect the VCI to the vehicle. **YOU MUST DISCONNECT THE MUT–III LAPTOP.**

10. **MODELS EQUIPPED WITH ABS:** With the ignition key OFF, unplug the ABS fuse (7.5 amp fuse in junction box in passenger compartment).

11. Reprogram the PCM, using automatic reprogramming. For reprogramming details, refer to TSB–03–00–015. It will take up to 20 minutes to complete the reprogramming.

**NOTE:** If the message “ECU at Current Level of VCI” appears, the PCM did not reprogram. Verify that the ROM ID is the same as the ROM ID listed in the table below.
- If the ROM ID is the same as or higher than the ROM ID in the table, the PCM has been reprogrammed for this concern.
- If it is not, verify that the correct database update is in the MUT–III and was transferred to the memory card, and that the memory card is properly installed in the VCI.

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**CAUTION**

**DO NOT DISTURB THE HARNESS CABLES OR CONNECTIONS. INTERRUPTION DURING THE PROGRAMMING PROCESS COULD CAUSE THE PCM TO LOSE DATA OR PREVENT FUTURE PCM REPROGRAMMING.**

a. After reprogramming is completed, the new ENG ROM ID and new A/T ROM ID will display alternately with the message “Turn IG SW OFF” every four seconds. Note this information. Verify that the new PCM part number and ROM IDs are the same as those listed in the table below.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PCM PART NUMBER</th>
<th>MUT–III REFRESH DATABASE</th>
<th>ECU PART NUMBER</th>
<th>ROM ID</th>
<th>VENDOR #</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002 Lancer M/T Calif. emissions</td>
<td>MR578518</td>
<td>VN0510G</td>
<td>MR578518</td>
<td>986720</td>
<td>E6T34975H5</td>
</tr>
<tr>
<td>2003 Lancer M/T Fed. emissions</td>
<td>MR988330</td>
<td>VN05107</td>
<td>MR988330</td>
<td>918915</td>
<td>E6T34979H4</td>
</tr>
<tr>
<td>Model Year</td>
<td>Model Type</td>
<td>Description</td>
<td>Engine Code</td>
<td>Transmission Code</td>
<td>P/N</td>
</tr>
<tr>
<td>------------</td>
<td>------------</td>
<td>-------------</td>
<td>-------------</td>
<td>------------------</td>
<td>-----</td>
</tr>
<tr>
<td>2003 Lancer M/T</td>
<td>Calif. emissions</td>
<td></td>
<td>MR988327</td>
<td></td>
<td>VN0510D</td>
</tr>
<tr>
<td>2004 Lancer M/T</td>
<td></td>
<td></td>
<td>MN132864</td>
<td></td>
<td>VN05104</td>
</tr>
<tr>
<td>2004 Lancer A/T</td>
<td>R15 tires</td>
<td></td>
<td>MN132867</td>
<td></td>
<td>VN05105</td>
</tr>
<tr>
<td>2004 Lancer A/T</td>
<td>R14 tires</td>
<td></td>
<td>MN132868</td>
<td></td>
<td>VN05106</td>
</tr>
<tr>
<td>2005 Lancer M/T</td>
<td></td>
<td></td>
<td>1860A067</td>
<td></td>
<td>VN05101</td>
</tr>
<tr>
<td>2006 Lancer M/T</td>
<td></td>
<td></td>
<td>1860A417</td>
<td></td>
<td>VN05091</td>
</tr>
<tr>
<td>2006 Lancer A/T</td>
<td>R15 tires</td>
<td></td>
<td>1860A418</td>
<td></td>
<td>VN05092</td>
</tr>
<tr>
<td>2006 Lancer A/T</td>
<td>R14 tires</td>
<td></td>
<td>1860A419</td>
<td></td>
<td>VN05093</td>
</tr>
</tbody>
</table>

12. If DTC P0421 was set in the PCM, replace the warm-up catalytic converter, using the exhaust manifold repair kit listed in the PARTS INFORMATION section of this bulletin. Refer to Group 17 (for California emissions vehicles) or Group 15 (except California emissions vehicles) in the appropriate service manual for installation instructions.

13. Using a ball-point pen, enter the appropriate PCM part number, vendor number, ROM ID#, this recall bulletin number (**EMR−05−001**), your dealer code, and the current date on the Engine Compartment / Control Module Label (p/n MSSF−024G−00).

14. Carefully remove all dirt and oil from a vacant area near the VECI label on the underside of the hood, and affix the Engine Compartment label.
15. Affix the Control Module label to the PCM.

16. **MODELS EQUIPPED WITH ABS:** Reinstall the ABS fuse.

17. **FOR VEHICLES REGISTERED IN CALIFORNIA ONLY:** Complete a “VEHICLE EMISSION RECALL PROOF OF CORRECTION” form (p/n MSSF-106D-00). Give the completed form to the vehicle owner.

**NOTE:** These forms are available from Relizon at 1–866–980–7000.

## PARTS INFORMATION

Use the Genuine Mitsubishi Parts listed below.

<table>
<thead>
<tr>
<th>Description</th>
<th>Model</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exhaust Manifold Repair Kit</td>
<td>2002–2003 Lancer 2.0L</td>
<td>MN195801</td>
</tr>
<tr>
<td>(includes manifold with catalytic converter,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>gasket, and nuts)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exhaust Manifold Repair Kit</td>
<td>2004 Lancer 2.0L</td>
<td>MN195802</td>
</tr>
<tr>
<td>(includes manifold with catalytic converter,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>gasket, and nuts)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exhaust Manifold Repair Kit</td>
<td>2005 Lancer 2.0L</td>
<td>MN195803</td>
</tr>
<tr>
<td>(includes manifold with catalytic converter,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>gasket, and nuts)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## WARRANTY INFORMATION

Refer to the flowchart on the following page.

Claims for this campaign must be entered as recall Type “C” claims in the Mitsubishi Dealer Network (MDL).

**Campaign Operation:** C0505JXX

**Labor Time:**

- 0.3 hrs. for PCM Reprogramming OR
- 1.9 hrs. for PCM Reprogramming and Catalytic Converter Replacement

Sample claim screens are shown on the following pages.

**Replacement Parts Storage and Retention:**

_Retain all replaced catalytic converters for at least five (5) days after the payment of the related campaign claim._ The five days begins the day after the claim appears in the “Paid” section of your warranty claim statement. If the part is requested during those five days, you must return the part as indicated on the parts return request letter.

If you do not receive a request after five days from the claim payment date, you may scrap the replaced catalytic converter.
The information contained in this bulletin is subject to change. For the latest version of this document, go to the Mitsubishi Dealer Link, MEDIC, or the Mitsubishi Service Information website (www.mitsubishitechinfo.com).
2002-2005 Lancers Equipped with 2.0L Engine
Catalytic Converter Overheating – Emissions Recall Campaign

Header Section

This recall repair is only for those 2002-2005 Lancer 2.0L models specifically involved in the campaign. Be sure to check the Super Screen to verify each vehicle’s involvement.
Parts Section - If ONLY PCM Reflash is needed

Labor Section - If ONLY PCM Reflash is needed
Parts Section - If both PCM Reflash and Catalytic Converter replacement are needed

- 2005 models – p/n MN195803
- 2004 models – p/n MN195802

Labor Section - If both PCM Reflash and Catalytic Converter replacement are needed

- Verify C0505JXX comes up as the full campaign labor operation number
- Enter the allowed labor time of 1.9 hours for both the PCM re-flash and Catalytic Converter Replacement.
2002 and 2003 Mitsubishi Lancer Owners- Federal

Mitsubishi Motors North America Inc (MMNA) and the Administrator of the Environmental Protection Agency have determined that certain 2002 – 2003 Mitsubishi Lancer 2.0 Liter vehicles may experience damage to the warm-up catalytic converter and subsequent illumination of the “SERVICE ENGINE SOON” (SES) lamp when operated under certain specific driving conditions. Newly developed software to prevent this potential damage from occurring has been developed and will be installed in your vehicle free of charge without regard to the time or mileage your vehicle currently has accumulated. Failure to have this recall completed may result in your vehicle not passing a Inspection/Maintenance (IM) Smog Test.

Additional Warranty Coverage for the Warm-up Catalytic Converter: The normal warranty coverage for the warm-up catalytic converter is 8 years or 80,000 miles, whichever occurs first, however MMNA will increase the coverage for the warm-up catalytic converter to 8 years or 100,000 miles. In order to ensure your full protection under the emission warranty provisions, it is recommended that you have your vehicle serviced as soon as possible. Failure to do so could be determined as lack of proper maintenance of your vehicle.

If your vehicle has already accumulated 100,000 miles and your Service Engine Soon (SES) is illuminated as a result of the warm-up catalytic converter damage, you will receive the software update and warm-up catalytic converter replacement free of charge if you return to your dealer to have this recall completed within 6 months of the date of this notice. After this 6-month period (no later than February 28, 2006), the software update is free, however replacement of the warm-up catalyst may not be covered.

If you have already encountered the above-described problem regarding the warm-up catalytic converter and have paid for the repair, you may send your original receipts and/or other adequate proof of payment to the address listed below for reimbursement.

Mitsubishi Customer Relations Department, P.O. Box 6400, Cypress, CA 90630-0064

Call Your Retailer: Please contact your authorized Mitsubishi Motors Retailer immediately to schedule an appointment. Your retailer will reprogram your Emission Control Computer to eliminate the possibility of catalytic converter damage.

How long will it take? Reprogramming of the computer will take approximately on half hour. However, additional time may be necessary depending on how your retailer appointments are scheduled and processed.

Have you changed your address or sold your vehicle? If you have, please fill out the enclosed prepaid postcard and mail it to us so we can update our records. If you have sold the vehicle, the information you provide on the postcard will be used to notify the new owner about this service program.

If you have any trouble getting your vehicle repaired promptly and at no charge, please inform us by calling during normal business hours:

Mitsubishi Customer Relations Department
(888) MITSU-2006 (888-648-7820)
2002 and 2003 Mitsubishi Lancer Owners- California

Mitsubishi Motors North America Inc (MMNA) and the California Air Resources Board have determined that certain 2002 – 2003 Mitsubishi Lancer 2.0 Liter vehicles may experience damage to the warm-up catalytic converter and subsequent illumination of the “SERVICE ENGINE SOON” (SES) lamp when operated under certain specific driving conditions. If your warm-up catalytic converter is damaged, your vehicle may be releasing pollutants in excess of California standards. Newly developed software to prevent this potential damage from occurring has been developed and will be installed in your vehicle free of charge without regard to the time or mileage your vehicle currently has accumulated. Failure to have this recall completed may result in your vehicle not passing the State of California Smog Test.

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Mitsubishi Customer Relations Department, P.O. Box 6400, Cypress, CA 90630-0064

Call Your Retailer: Please contact your authorized Mitsubishi Motors Retailer immediately to schedule an appointment. Your retailer will reprogram your Emission Control Computer to eliminate the possibility of catalytic converter damage.

How long will it take? Reprogramming of the computer will take approximately 1/2 hour. However, additional time may be necessary depending on how your retailer appointments are scheduled and processed.

NOTE: The State of California regulations requires MMNA to provide the California Department of Motor Vehicles (DMV) with a record of all vehicles which have not had the recall performed. If your vehicle is not on this list, the state will know that the recall has been completed. Your retailer will provide you with a Vehicle Emission Recall Proof of Correction Form after the recall is complete. Be sure to save this form since the DMV may require that you supply it as proof of recall completion.

Have you changed your address or sold your vehicle? If you have, please fill out the enclosed prepaid postcard and mail it to us so we can update our records. If you have sold the vehicle, the information you provide on the postcard will be used to notify the new owner about this service program.

If you have any trouble getting your vehicle repaired promptly and at no charge, please inform us by calling during normal business hours:

Mitsubishi Customer Relations Department
(888) MITSU-2005 (888-648-7820)

We appreciate your prompt attention to this matter. Please contact your Mitsubishi Motors Retailer if you have any questions.
2004 and 2005 Mitsubishi Lancer Owners- Federal

Mitsubishi Motors North America Inc (MMNA) and the Administrator of the Environmental Protection Agency have determined that certain 2004 – 2005 Mitsubishi Lancer 2.0 Liter vehicles may experience damage to the warm-up catalytic converter and subsequent illumination of the “SERVICE ENGINE SOON” (SES) lamp when operated under certain specific driving conditions. If your warm-up catalytic converter is damaged, your vehicle may be releasing pollutants in excess of established standards. Newly developed software to prevent this potential damage from occurring has been developed and will be installed in your vehicle free of charge without regard to the time or mileage your vehicle currently has accumulated. Failure to have this recall completed may result in your vehicle not passing an Inspection/Maintenance (IM) Smog Test.

In order to ensure your full protection under the emission warranty provisions, it is recommended that you have your vehicle serviced as soon as possible. Failure to do so could be determined as lack of proper maintenance of your vehicle.

If your vehicle has already accumulated 100,000 miles and your Service Engine Soon (SES) is illuminated as a result of the warm-up catalytic converter damage, you will receive the software update and warm-up catalytic converter replacement free of charge if you return to your dealer to have this recall completed within 6 months of the date of this notice. After this 6-month period (no later than February 28, 2006), the software update is free, however replacement of the warm-up catalyst may not be covered.

If you have already encountered the above-described problem regarding the warm-up catalytic converter and have paid for the repair, you may send your original receipts and/or other adequate proof of payment to the address listed below for reimbursement.

Mitsubishi Customer Relations Department, P.O. Box 6400, Cypress, CA 90630-0064

Call Your Retailer: Please contact your authorized Mitsubishi Motors Retailer immediately to schedule an appointment. Your retailer will reprogram your Emission Control Computer to eliminate the possibility of catalytic converter damage.

How long will it take? Reprogramming of the computer will take approximately one half hour. However, additional time may be necessary depending on how your retailer appointments are scheduled and processed.

Have you changed your address or sold your vehicle? If you have, please fill out the enclosed prepaid postcard and mail it to us so we can update our records. If you have sold the vehicle, the information you provide on the postcard will be used to notify the new owner about this service program.

If you have any trouble getting your vehicle repaired promptly and at no charge, please inform us by calling during normal business hours:

Mitsubishi Customer Relations Department
(888) MITSU-2005 (888-648-7820)

We appreciate your prompt attention to this matter. Please contact your Mitsubishi Motors Retailer if you have any questions.
2004 and 2005 Mitsubishi Lancer Owners- California

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In order to ensure your full protection under the emission warranty provisions, it is recommended that you have your vehicle serviced as soon as possible. Failure to do so could be determined as lack of proper maintenance of your vehicle.

If your vehicle has already accumulated 100,000 miles and your Service Engine Soon (SES) is illuminated as a result of the warm-up catalytic converter damage, you will receive the software update and warm-up catalytic converter replacement free of charge if you return to your dealer to have this recall completed within 6 months of the date of this notice. After this 6-month period (no later than February 28, 2006), the software update is free, however replacement of the warm-up catalyst may not be covered.

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NOTE: The State of California regulations requires MMNA to provide the California Department of Motor Vehicles (DMV) with a record of all vehicles which have not had the recall performed. If your vehicle is not on this list, the state will know that the recall has been completed. Your retailer will provide you with a Vehicle Emission Recall Proof of Correction Form after the recall is complete. Be sure to save this form since the DMV may require that you supply it as proof of recall completion.

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If you have any trouble getting your vehicle repaired promptly and at no charge, please inform us by calling during normal business hours:

Mitsubishi Customer Relations Department
(888) MITSU-2005 (888-648-7820)

We appreciate your prompt attention to this matter. Please contact your Mitsubishi Motors Retailer if you have any questions.