



Service Bulletin

Bulletin No.: 23-NA-200

Date: November, 2023

INFORMATION

Subject: Diagnostic Aid for Misfire Diagnostics Displaying Incorrect Cylinders for Certain OBD Monitors Reported in Mode 6

| Brand: | Model: | Model Year: | | VIN: | | Engine: | Transmission: |
|-----------|----------|-------------|------|------|----|------------|---------------|
| | | from | to | from | to | | |
| Chevrolet | Corvette | 2023 | 2023 | — | — | 5.5L (LT6) | — |

| | |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Involved Region or Country | North America, Chile, Europe, Russia, Middle East, Israel, Palestine, Japan, GM Korea Company, Thailand, Australia/New Zealand |
| Condition | <p>Note: This issue only affects vehicles with the following ECM software part numbers: 12734308 and 12734747.</p> <p>Technicians may find when using a generic scan tool to look at “Fuel System Monitor” (AFIM – Air fuel Imbalance Monitor) or the “Misfire Cylinder Data”, the scan tool displays the incorrect cylinder that is impacted.</p> |
| Cause | <p>SAE J1979 Mode 06 On-board System test results for cylinder specific OBD Monitors are assigned to the wrong cylinders. The following monitors are impacted:</p> <ul style="list-style-type: none">• Fuel System Monitor (AFIM - Air fuel Imbalance)• Misfire Monitor <p>This only impacts vehicles with the following ECM SW part numbers:</p> <ul style="list-style-type: none">• 12734308• 12734747 |
| Information | <p>Technicians are advised to rely on DTCs for correct cylinder identification when fuel system monitoring or misfire faults are present.</p> <p>If the vehicle contains an ECM SW part number that is listed above, the following Cylinder Decoder table can be used to correct the cylinder assignments which are reported in mode 06.</p> |

Important: Service agents must comply with all International, Federal, State, Provincial, and/or Local laws applicable to the activities it performs under this bulletin, including but not limited to handling, deploying, preparing, classifying, packaging, marking, labeling, and shipping dangerous goods. In the event of a conflict between the procedures set forth in this bulletin and the laws that apply to your dealership, you must follow those applicable laws.

Additional Information

Cylinder Decoder:

| Corrected Cylinder Assignment | Cylinder Assignment reported in Mode 06 |
|-------------------------------|-----------------------------------------|
| 1 | 1 |
| 2 | 2 |
| 3 | 4 |
| 4 | 5 |
| 5 | 7 |
| 6 | 8 |
| 7 | 6 |
| 8 | 3 |

Cylinders 1 and 2 are reported correctly in mode 06 and are not impacted by this issue.

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|-----------------|----------------------------|
| Version | 1 |
| Modified | Released November 06, 2023 |

