



Service Bulletin

Bulletin No.: 21-NA-033

Date: December, 2021

TECHNICAL

Subject: Malfunction Indicator Lamp (MIL) Illuminated – Multiple Transmission DTCs Set

Note: If the DTC P1955 or P0867 are set, please proceed to PIP5797B for direction.

| Brand: | Model: | Model Year: | | VIN: | | Engine: | Transmission: |
|-----------|----------|-------------|------|------|----|---------|---------------|
| | | from | to | from | to | | |
| Chevrolet | Corvette | 2020 | 2022 | — | — | — | — |

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| Involved Region or Country | North America, Europe, Middle East, Japan, Australia/New Zealand |
| Condition | <p>Some customers may comment that the MIL is illuminated.</p> <p>Some technicians may find one or more of the following DTCs set in the Transmission Control Module (TCM):</p> <p>P0747, P0746, P0777, P0776, P2809, P2808, P2724, P2723, P1955, P0797, P0796, P2715, P2714, P2818, P2817, P08C5, P08C4, P27BA, P27B9, P27C2, P27C1, P27CA, P27C9, P27D2, P27D1, P282A, P2829, P1956, P1957, P1958, P1959, P2735, P18A8, P18A9, P2821, P2820, P187D, P187E, P2855, P2853, P2856, P2854, P0869, P0868, P0867, C2A18, C2A19, P0844, P0841, P0849, P0846, P0874, P0871, P0879, P0876, P1946, P1947, P1948, P1949, P194A, P1961, P194B, P194C, P194D, P194E, P073F, P074A, P074B, P074C, P074D, P074E, P074F, P07D8, P073E, P194F and/or P1950.</p> |
| Cause | This condition may be caused by an Internal transmission solenoid or switch sticking due to debris. |

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| Correction | <p>Note: If circuit diagnostics are required to determine the repair, valve/solenoid cleaning, Service Clean, and Service Fast Learn will not help. The bulletin is targeted for mechanical and hydraulic type issues only.</p> <p>Using the GDS, perform the indicated DTC solenoid cleaning procedure based on the DTC that set. The cleaning procedure should be performed 3 times. (If required, perform the solenoid cleaning for each additional DTC that may have set and complete the solenoid cleaning 3 times.) Once this is completed, perform the Service Clean Procedure followed by Transmission Service Fast Learn. Refer to the Service Procedure section below.</p> <ul style="list-style-type: none"> • If DTCs P194F, P1950, P0747, P0746, P0777, P0776, P2809, P2808, P2724, P2723, P1955, P0797, P0796, P2715, P2714, P2818, P2817, P08C5, P08C4, P27BA, P27B9, P27C2, P27C1, P27CA, P27C9, P27D2, P27D1, P282A, P2829, P1956, P1957, P1958, P1959, and/or P2735: Perform the Valve/Solenoid clean procedure based on the DTC that set. Next, perform the Service Clean procedure then Service Fast Learn. <p>⇒ If codes return, replace the MCV as necessary.</p> <ul style="list-style-type: none"> • If DTCs P18A8, P18A9, P2821, P2820, P187D and/or P187E: Perform the Valve/Solenoid clean procedure based on the DTC that set. Next, perform the Service Clean procedure then Service Fast Learn. <p>⇒ If codes return, transmission replacement may be necessary. It is recommended to contact the GM Technical Assistance Center (TAC) prior to ordering a transmission.</p> <ul style="list-style-type: none"> • If DTCs P2855, P2853, P2856, P2854, P0869, P0868, P0867, C2A18 and/or C2A19: Perform the Valve/Solenoid clean procedure based on the DTC that set. Next, perform the Service Clean procedure then Service Fast Learn. <p>⇒ If codes return, replace the MCV as necessary EXCEPT for DTC P0867 set: NO SYS PRESS is either a serious mechanical issue or extremely low fluid level.</p> <ul style="list-style-type: none"> • If DTCs: P0844, P0841, P0849, P0846, P0874, P0871, P0879 and/or P0876: Perform the Valve/Solenoid clean procedure based on the DTC that set. Next, perform the Service Clean procedure then Service Fast Learn. <p>⇒ If no other pressure codes are present, proceed to circuit diagnostics.</p> <ul style="list-style-type: none"> • If DTCs: P1946, P1947, P1948, P1949, P194A, P194B, P194C, P194D, P194E, P073F, P074A, P074B, P074C, P074D, P074E, P074F, P07D8 and/or P073E: Perform Valve/Solenoid cleaning "IF" accompanied with low/high sys pressure codes. otherwise just run Service Fast Learn. (Failure of SFL would indicate mechanical hardware). |
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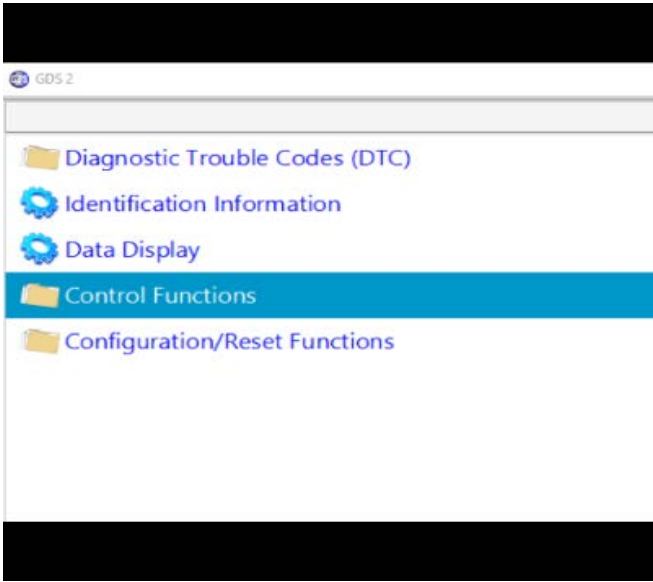
Service Procedure

Note: Prior to performing procedure, verify the vehicle mileage is under 12,000 km (7500 miles) or that Dual Clutch Transmission Canister filter maintenance has been performed. See maintenance schedule for the Dual Clutch Transmission Canister filter. If necessary, filter must be changed prior to this procedure.

1. Record and clear DTCs.
2. Take the vehicle for a test drive until the transmission reaches operating temperature.
3. Use an MDI II to access communication with the Transmission Control module (K71) through GDS.

- [K20] Engine Control Module
- [K71] Transmission Control Module
- [K160] Brake System Control Module
- [K43] Electric Power Steering Control Module
- [K19] Electronic Suspension Control Module
- [K9] Body Control Module
- [K219] Lighting Control Module

4. Select K71 Transmission Control Module.



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5. Select Control Functions.



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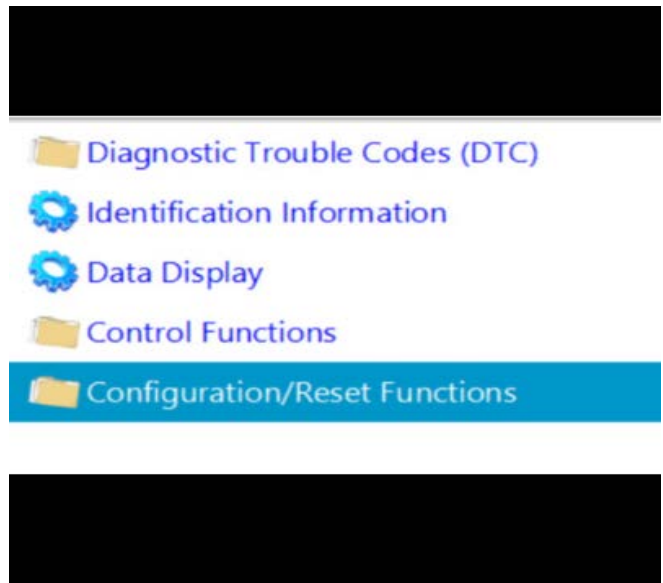
6. Select Transmission Service Cleaning Procedures.



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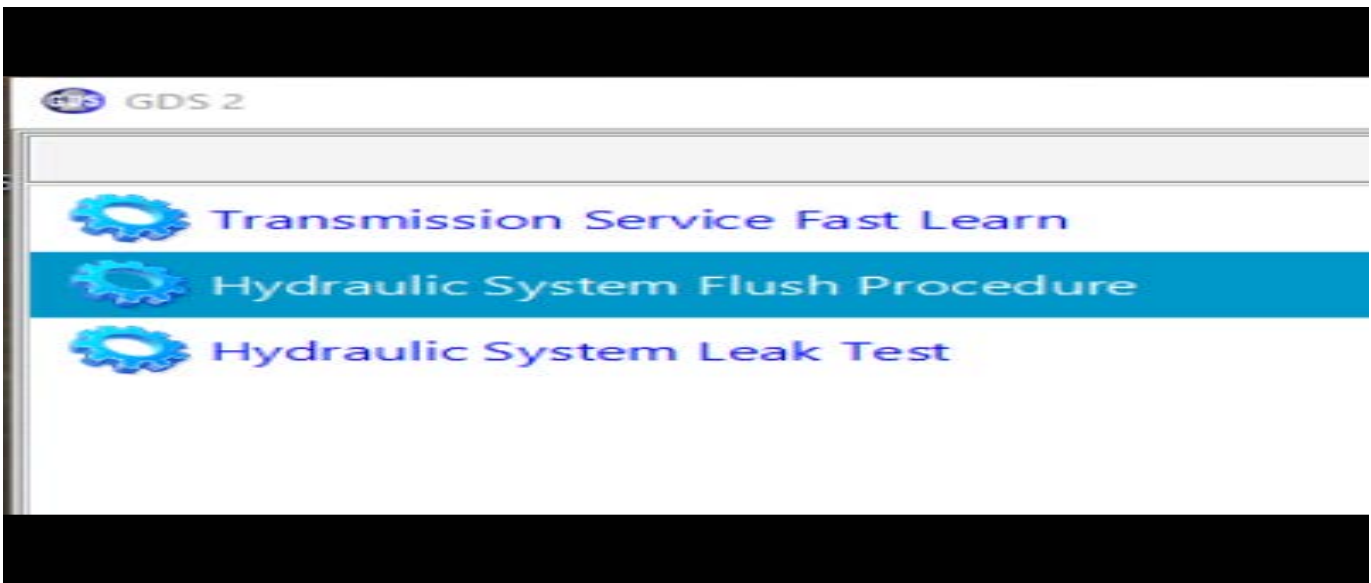
Important: Not all of the cleaning procedures need to be performed. Only perform one of the cleaning procedures that correspond with the DTC that has set.

7. Perform the indicated DTC solenoid cleaning procedure based on the DTC set a total of 3 times.



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8. Once the solenoid cleaning procedure has been completed 3 times, select Configurations/Reset Functions.



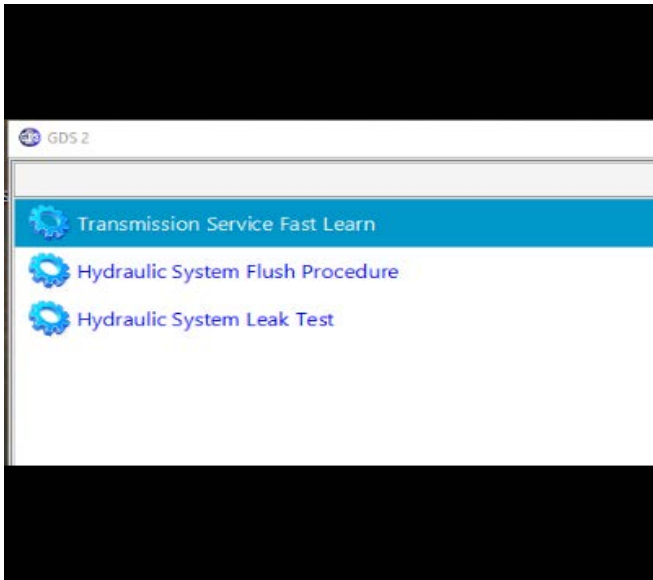
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9. Select the Hydraulic System Flush Procedure.

Note: Performing the Hydraulic System Flush Procedure test may take approximately 8 minutes to perform in its entirety. Disregard the current statement below stating 30 seconds to complete.



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Parts Information

No parts are required for this repair unless further diagnosis leads you to replacing an MCV or an SAV assembly.

Warranty Information

For vehicles repaired under the Powertrain coverage, use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

| Labor Operation | Description | Labor Time |
|-----------------|--|------------|
| 8481938* | Perform Solenoid Cleaning Procedure and Fast Learn | 1.0 hr |
| Add | Each Additional Solenoid Clean Procedure | 0.1 hr |

*This is a unique Labor Operation for bulletin use only.

10. Perform the Transmission Service Fast Learn.
11. Take the vehicle for a test drive to verify the DTCs do not reset.
 - ⇒ If a DTC resets, follow Service Information diagnosis for the DTC and replace the component that the test result leads you to.

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| Version | 4 |
| Modified | <p>Released February 12, 2021</p> <p>June 28, 2021 – Added a Note at beginning of Service Procedure and new GDS information to steps 8 and 9.</p> <p>December 07, 2021 – Added a Note under the Subject, the 2022 Model Year, DTC P1961 to Condition section, updated the Involved Region or Country section and updated information under step 10 and Parts Information.</p> <p>December 15, 2021 – Updated the Service Procedure.</p> |

