



# Service Bulletin

Bulletin No.: 20-NA-227

Date: March, 2022

## TECHNICAL

**Subject: Wobble Vibration on Hard Acceleration**

**This bulletin replaces PIT5771B. Please discard all copies of PIT5771.**

| Brand:    | Model:  | Model Year: |      | Build Date Breakpoint: |                  | Engine:              | Transmission: |
|-----------|---------|-------------|------|------------------------|------------------|----------------------|---------------|
|           |         | from        | to   | from                   | to               |                      |               |
| Chevrolet | Equinox | 2020        | 2022 | SOP                    | February 1, 2022 | 1.5L Turbo (RPO LYX) | —             |
| GMC       | Terrain |             |      |                        |                  |                      |               |

|                                   |  |
|-----------------------------------|--|
| <b>Involved Region or Country</b> | North America, Middle East, Israel, Palestine, Argentina, Brazil, Chile, Colombia, Ecuador, Peru, Uruguay, GM Korea Company, Thailand, Egypt, Other Africa, Australia and New Zealand.   |
| <b>Additional Options (RPO)</b>   | PLANT CODE-RAMOS ARIZPE, MEXICO (SAL) or PLANT CODE-SAN LUIS POTOSI, MEXICO (SPM)  |
| <b>Condition</b>                  | Some customers may comment that a Wobble/Vibration occurs on hard acceleration (WOT) around 48 to 112 km/h (30 to 70 mph).   |
| <b>Cause</b>                      | This condition may be caused by driveline vibration.   |
| <b>Correction</b>                 | <p><b>Important:</b> This bulletin is to address the above scenario ONLY.</p> <p>Refer to bulletin 21-NA-122 to confirm it is NOT a vibration induced by the upper radiator mounts, prior to replacing axles.</p> <p>If able to duplicate the concern, record the event using the Pico Scope with the CH-51450-TA246 Triple Axis Sensor.</p> <p>– If the Pico reading at the above mentioned speeds is T1 lateral above 40 mg or above 30 mg with 10 mg of T3 lateral, replace the front axles.</p> <p>For this condition, replace BOTH the left and right front axles at the same time. If these new, updated p/ns (as of November, 2021) have already been installed and the condition is still present, refer to SI and/or contact TAC.</p> |

## Service Procedure

Refer to *Front Wheel Drive Half Shaft Replacement — Left Side* and *Front Wheel Drive Half Shaft Replacement — Right Side* in SI.

## Parts Information

**Note:** Only select the parts that coincide with the repair performed. Replace the Front Drive Axles with the P/Ns in this bulletin only, according to the vehicle build RPOs.

| Causal Part | Description   | Part Number  | Qty |
|-------------|---|--------------|-----|
| X           | SHAFT, FRT WHL DRV HALF (Right with M3U 9 spd &FWD)                   | 85103940     | 1   |
| X           | SHAFT, FRT WHL DRV HALF (Right with MNK 6 spd &FWD)                   | 85103939     | 1   |
| X           | SHAFT, FRT WHL DRV HALF (Right with 6 or 9 spd MNK/MNH/ M3U &F48 AWD) | 85103941     | 1   |
| X           | SHAFT, FRT WHL DRV HALF (Left with MNH/MNK 6 spd)                     | 85103942     | 1   |
| X           | SHAFT, FRT WHL DRV HALF (Left with M3U 9 spd)                         | 85103943     | 1   |
| N/A         | NUT, FRT WHL DRV SHF (One Time Use Only)                              | Refer to EPC | 2   |
| N/A         | RING-FRT WHL DRV SHF RET (AWD only)                                   |              | 1   |
| N/A         | SEAL,PWR TRFER U HALF SHF (O-RING) (AWD only)                         |              | 1   |

## Warranty Information

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

| Labor Operation | Description   | Labor Time |
|-----------------|---|------------|
| 3087248*        | Front Wheel Drive Halfshaft Replacement - Both sides (MNK/MNH - F48 6 speed FWD) or (M3H/M3U & F48 9 speed AWD) | 1.4 hr     |
| 3087258*        | Front Wheel Drive Halfshaft Replacement - Both sides (MNK/MNH & F48 6 speed AWD)                                | 1.3 hr     |
| 3087268*        | Front Wheel Drive Halfshaft Replacement - Both sides (M3H/M3U - F48 9 speed FWD)                                | 1.6 hr     |

\*This is a unique Labor Operation for Bulletin use only.

| Version         | 5  |
|-----------------|--|
| <b>Modified</b> | Released March 01, 2021<br>Revised July 21, 2021 - Added Transmission and Chassis Drive Line RPOs to Parts Information section.<br>Revised February 10, 2022 — Revised Model Year, Parts Table, Correction, and Warranty Information.<br>Revised March 04, 2022 — Revised Parts Table.<br>Revised March 10, 2022 — Added Breakpoint. |

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



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