



# Service Bulletin



## SERVICE UPDATE

**SUBJECT:** Service Update for Inventory Vehicles Only  
Drive Audit for Transmission Noise and Loss of Reverse  
Vehicle Limited to 3rd and 4th Forward Gear  
Expires October 31, 2015

**MODELS:** 2015 Chevrolet Corvette  
Equipped with 8 Speed Automatic Transmission (M5U)

**This service update involves vehicles in dealer inventory only and will expire October 31, 2015.**

### PURPOSE

This bulletin provides a service procedure to perform a drive audit on **all** 2015 model year Corvette vehicles in inventory that are equipped with an 8 speed automatic transmission (M5U). A small number of transmissions may develop a crack in the triple clutch housing internal to the transmission, leading to noise, loss of reverse gear, and limiting the driver to 3<sup>rd</sup> and 4<sup>th</sup> forward gears. The drive audit must be completed before vehicle delivery (and in addition to normal pre-delivery inspection activities) to identify vehicles with the condition. If the condition is found, dealers are to replace the transmission under the existing exchange program, see PIP5200A for details.

**This service procedure should be completed on involved vehicles currently in dealership inventory as soon as possible but no later than October 31, 2015, at which time this bulletin will expire.**

### VEHICLES INVOLVED

All involved vehicles are identified by VIN in the Global Warranty Management System – Investigate Vehicle History Application. Dealership technicians should always check this site to confirm vehicle involvement prior to beginning any required inspections and/or repairs. It is important to routinely use this tool to verify eligibility because not all similar vehicles may be involved regardless of description or option content.

Additionally, a list of involved vehicles currently in dealer inventory is available on the “Service Update Bulletin Information” link under the “Service” tab in GM GlobalConnect (US) or attached to the GlobalConnect message (Canada) used to release this bulletin.

## PART INFORMATION

No parts are required for the drive audit. If a transmission replacement is necessary, contact the Product Quality Center as instructed in bulletin PIP5200, Transmission Exchange Program.

## SERVICE PROCEDURE

**Caution:** Ensure the drive audit is performed safely in an area near the dealership. Carefully listen and observe for the following conditions:

- A grinding sound or unusual noise from within the transmission case.
- A loss of 'R' Reverse gear.
- A loss of any of the following forward gears: first, second, fifth, sixth, seventh or eighth gear.

Tow the vehicle back to the dealership if any of these conditions are present at any time during the drive audit.

### **Drive Audit: Part 1**

This section can be completed on the dealer parking lot.

1. Start vehicle and press traction control button to turn off traction control
2. Firmly apply the brakes and place the transmission into Reverse.
3. Push the accelerator down to 100% throttle and hold for 2-3 seconds.
4. Release throttle and place transmission in 'N' Neutral for 5 seconds.
5. Repeat steps 2 - 4 nine additional times for a total of ten cycles.

### **Drive Audit: Part 2**

The next section requires that the vehicle be taken out on the road or some other open area.

1. Place transmission into manual D2 range.
2. Accelerate vehicle into 2<sup>nd</sup> gear and accelerate to 3000 RPM and hold for 10 seconds.
3. Brake to a stop.
4. Repeat steps 2 and 3, three additional times
5. Place transmission in 'D' Drive and moderately accelerate to approx. 45 mph
6. Brake moderately to a stop.
7. Return car to parking lot.
8. Firmly apply the brakes and place the transmission into 'R' Reverse.
9. Push the accelerator down to 100% throttle and hold for 2-3 seconds.
10. Release throttle and place transmission in 'N' Neutral for 5 seconds.
11. Repeat steps 9-11, four additional times for a total of five cycles.
12. Place transmission into park.

**The audit is now complete.**

If no unusual noise is present, and the transmission is operating normally, no further action is required.

If unusual noise is present, replace the transmission. Refer to *Transmission Replacement* in SI and bulletin PIP5200. Submit a warranty transaction for the drive audit using the labor code contained in this bulletin. Submit for the transmission replacement under normal warranty.

### WARRANTY TRANSACTION INFORMATION

Submit a transaction using the table below.

| <b>Labor Code</b> | <b>Description</b> | <b>Labor Time</b> | <b>Net Item</b> |
|-------------------|--------------------|-------------------|-----------------|
| 9100964           | Drive Audit        | 0.7               | *               |

\* Submit for the actual cost for the gasoline required for the drive audit in Net Item, not to exceed \$4.50 USD, \$5.70 CAD.

### DEALER PROGRAM RESPONSIBILITY

Dealers must take the steps necessary to ensure that the service update correction has been made to all involved vehicles in dealer inventory before selling, dealer-trading, or using the vehicle for demonstration purposes, but no later than October 31, 2015.

