Bulletin No.: 13-04-17-001

Date: Nov-2013

Service Bulletin

INFORMATION

Subject: **Driveline Support (Torque Tube) / Propeller Shaft Input to Front Hub Bearing Alignment**

Models: **2014 Chevrolet Corvette**

Attention: **Please direct this bulletin to the Service Manager, the Body Shop Manager and review the information with any Technicians that work on the 2014 Corvette.**

Information

Whenever the Driveline Support (Torque Tube) is removed from the vehicle for any reason, special care must be taken to make sure the propeller shaft splines are in alignment with the front hub bearing. The Driveline Support (Torque Tube) **MUST BE** aligned with the engine bell housing **BEFORE** attempting to tighten any attachment bolts.

Caution: The propeller input shaft front bearing positioning system is designed to withstand an insertion force not greater than 582 Newtons (130 Pound Force). Using the fastening bolts as an installation method may create force above this amount causing damage to the crankshaft thrust bearing.

When reinstalling the Driveline Support (Torque Tube), the angle may be slightly off horizontally or vertically, which can make the Driveline Support (Torque Tube) difficult to align. **DO NOT** use the bell housing attachment bolts to draw the Torque Tube tight against the bell housing. Any small amount of misalignmer may cause the input splines of the propeller shaft to catch on the crankshaft driving it forward. If the engine is started with this condition, it may cause the crankshaft thrust bearing to be immediately worn necessitating engine replacement.

Caution: Refer to the 2014 Corvette Service Information for complete procedures on Alignment and Installation of the Driveline Support (Torque Tube). All steps MUST be followed in order to successfully align the propeller shaft to the front hub bearing.

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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