



CHEVROLET SERVICE NEWS

From the Collection of Tony Greco
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DRIVE LINE VIBRATION

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If excessive drive line vibration is encountered on a 1959 Corvette it is probably due to excessive rear U-joint angle. This vibration can be eliminated by installing either a 2 or 3 degree rear axle shim. The shim should be installed between the rear axle pads and springs, on both sides, with the thick edge to the front.

The minimum angle of the rear U-joint is 7 1/2 degrees. If this angle is reduced to less than 7 1/2 degrees, interference will result in the full bump position.

Measurements of the propeller shaft and pinion nose angle may be accomplished as follows:

1. Load vehicle until distance between the axle housing and frame rail pick-up (metal to metal) is 4 1/2 inches. Retaining the vehicle in this position, the angle of the propeller shaft and pinion nose can be measured as shown in 1958 Passenger Car Shop Manual.

2. The radius control rods should be disconnected before installing the shim. Before re-attaching the radius control rods, elongate the radius rod frame mounting hole 1/4" rearward if necessary to eliminate any interference between the radius control rods attaching bolt and mounting bracket.

Shims #3722797 (2 degrees), #3744488 (3 degrees), or their equivalent may be utilized. The locating tab on the above shims should be removed to allow the shim to lie flat.

1956 CAST IRON THERMOSTAT HOUSING

Prior to the introduction of the 1st design of the aluminum thermostat housing for the dual four barrel aluminum intake, Chevrolet used a cast iron thermostat housing. This housing contained the numbers 3705018 cast beneath the number 23. The 1960 Chevrolet Parts Book noted this number as cast and associated it with the 56-58 Corvette with dual 4BC, F.I.

This specific thermostat housing was on the manifold of a dual four barrel setup found in the trunk of a 1956 Corvette. The Corvette serial number placed it somewhere between the 400th to 500th one built. There is no assurance that this setup was originally on this Corvette although it was thought to be. The tags on the WCFB's indicated the month of February

