2005 - 2007 Corvette: Service Bulletin: Intermittent Spongy Clutch Pedal Sticking To The Floor During Hard Acceleration And High RPM Shifts

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Subject: Intermittent Spongy Clutch Pedal Sticking To The Floor During Hard Acceleration And High RPM Shifts - keywords contaminate fluid hydraulic #PIP4145 - **(06/04/2007)**

Models: 2005-2007 Chevrolet Corvette, Corvette Z06 Equipped with a Tremec 6-speed Transmission RPO MM6, MZ6

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition/Concern:
Some customers may comment about an intermittent spongy clutch pedal feel or clutch pedal sticking to the floor. This may be aggravated by aggressive driving and high clutch operating temperatures. Higher than expected levels of water in the clutch fluid greater than 2% may cause the clutch fluid to boil. The presence of water in the fluid lowers the boiling point significantly; when these conditions are present the driver may lose customary clutch pedal feel and performance.

Recommendation/Instructions:
If the above condition is intermittent flush the hydraulic system using DOT 4

fluid part number 88958860 (88901244 in Canada), prior to replacement of any mechanical or hydraulic components.

To eliminate the opportunity for moisture to enter the clutch hydraulic system.

The clutch fluid level inspection should be a VISUAL inspection only.

Look through the transparent reservoir and observe the fluid level. Avoid removing the cap. Do not remove the cap just to top-off clutch fluid. Leave the system closed and sealed. During PDI inspection or routine servicing the cap should not be opened for just an inspection.

DOT 4 clutch fluid has a 2 week shelf life. Do not use fluid if container opening date is unknown or older than 2 weeks. Do not mix or re-use old fluid. Current service information already covers the issue of reuse.

To provide the best clutch operation, it is recommended that the owner change the clutch fluid every 2 calendar years. Please flush and replace the clutch fluid with P/N 88958860 (88901244 in Canada) or equivalent DOT 4.

The current service information and owners manual will be updated to reflect this information.

Note: If the concern is not intermittent, inspect clutch hydraulic system for leaks and repair as necessary after repairs are completed flush system with DOT 4 fluid part number 88958860 (88901244 in Canada).

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.

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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