2007 - 2013 Cadillac CTS-V: GM TechLink: Low Oil Pressure on V8 Engines

Subject: Low Oil Pressure on V8 Engines
Model and Year: 2007 - 2013 CTS-V, Escalade, Avalanche, Camaro SS, Colorado, Corvette, Express, Silverado, Suburban, Tahoe, Canyon, Sierra, Savana, and Yukon models equipped with a V8 engine (RPOs L20, L77, L94, L96, L99, L9H, LC8, LC9, LH9, LMF, LMG, LY6, LZ1)
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A Service Engine Soon (SES) lamp may be illuminated or low oil pressure may be indicated on the instrument cluster with DTC P0521 (Engine Oil Pressure Sensor Performance) stored on some 2007 - 2013 CTS-V, Escalade, Avalanche, Camaro SS, Colorado, Corvette, Express, Silverado, Suburban, Tahoe, Canyon, Sierra, Savana, and Yukon models equipped with a V8 engine (RPOs L20, L77, L94, L96, L99, L9H, LC8, LC9, LH9, LMF, LMG, LY6, LZ1). In some cases, these conditions may have started shortly after an oil change.

If DTC P0521 and/or low oil pressure is indicated on the instrument cluster in cold or hot weather on a Gen4 V8 engine and the engine is currently equipped with a PF48E oil filter, determine if the engine has been properly repaired and cleaned following the procedure used in the latest version of Bulletin #10-06-01-008. The bulletin covers engine oil consumption on engines with Active Fuel Management (AFM). If the engine has not been properly repaired, update the engine with the components outlined in the bulletin.

If the engine has been properly repaired and cleaned, inspect the left rocker cover (square baffle) (Fig. 3, #1 – old design; #2 – new design with square baffle) and verify that the baffles can hold water and do not leak. If any leaks are found, clean and seal the edge of the baffle with RTV, if possible, or replace the valve cover. Thoroughly clean and dry the valve cover before installation and/or resealing.

In addition, change the engine oil and replace the oil filter with a PF48E filter.

Fig. 3

- *Thanks to Rich Renshaw and Tracy Lucas*