

2015 - 2019 Corvette: TechLink: Low Oil Pressure Conditions

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There may be no or low oil pressure along with DTC P06DD (Engine Oil Pressure Control Solenoid Valve Performance) set on some 2014-2019 Silverado LD, Sierra LD; 2015-2019 Escalade, Tahoe, Suburban, Yukon; 2016-2019 CTS-V, Camaro, and Corvette models equipped with the 4.3L V6 engine (RPO LV3), 5.3L V8 engine (RPO L83), 6.2L V8 engine (RPO L86), 6.2L V8 engine (RPO LT1), or 6.2L V8 engine (RPO LT4). These conditions may be caused the by the oil pump control valve stuck off and commanding high oil pressures (95 psi) and/or the oil pump face may be damaged.

If these conditions are found, the tensioner spring in the timing chain guide may be “short” and not fully seated into the guide pivot end. (Fig. 19) Cycling the oil pump control valve will not cause any changes in the oil pump response. Replace the timing chain tensioner guide.

Fig. 19

In addition, a broken tensioner shoe (Fig. 20) may allow the spring to rub a hole in the oil pump.

Fig. 20

If the oil pump face is damaged or worn, replace the oil pump. (Fig. 21) Also inspect the bearings for damage due to debris from the oil pump.

Fig. 21

Refer to #PIP5407A for additional information.

– Thanks to Richard Renshaw

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