

DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P1299 - CYLINDER HEAD OVER TEMPERATURE PROTECTION ACTIVE - DTC CHART

P1299 - CYLINDER HEAD OVER TEMPERATURE PROTECTION ACTIVE - DTC CHART

Description:			
Possible Causes:			
Diagnostic Aids: Refer to the service information , Engine Cooling to diagnose the engine overheats symptom.			
Application	Key On Engine Off	Key On Engine Running	Continuous Memory
All	Refer to the Description, Possible Causes and Diagnostic Aids for the DTC.		

DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P130D - ENGINE KNOCK/COMBUSTION PERFORMANCE - FORCED LIMITED POWER - DTC CHART

P130D - ENGINE KNOCK/COMBUSTION PERFORMANCE - FORCED LIMITED POWER - DTC CHART

Description: This DTC sets when the knock sensor (KS) voltage has exceeded a maximum value greater than a calibrated number of times within a set time period.
Possible Causes: • Fuel quality • Base engine concerns • Damaged spark plug • Loose or corroded connector on ignition coil • Lean fuel injector • Long term fuel trim at lean limits • Positive crankcase ventilation (PCV) system is leaking or stuck open • Oil and filter maintenance beyond recommended intervals • Charge air cooler (CAC) restriction • Damaged PCM
Diagnostic Aids: Engine performance may be limited to protect the engine if this DTC is set. Verify no base engine concerns are present before continuing with diagnosis. Refer to the service information , Engine System. The following driving conditions may cause this DTC to set: heavy acceleration from a stop, towing, carrying a heavy load or driving up a grade during a boost condition.