

		<ul style="list-style-type: none"> ▪ The engine control module has detected a current outside of the expected range, but not identified as too high or too low ▪ Harness failure - Turbine intake solenoid circuit failure ▪ Turbine intake solenoid failure 	<p>ground. Check power supply to the solenoid. Repair harness as required. Using the manufacturer approved diagnostic system clear all stored DTCs using the 'Diagnosis menu' tab and retest</p> <ul style="list-style-type: none"> ▪ Check and install a new turbine intake solenoid as required
P22CF-4B	Turbocharger Turbine Inlet Valve Control Circuit / Open - Over temperature	<ul style="list-style-type: none"> ▪ The engine control module detected an internal temperature above the expected range ▪ Harness failure - Turbine intake solenoid circuit failure ▪ Turbine intake solenoid failure 	<ul style="list-style-type: none"> ▪ Using the manufacturer approved diagnostic system check datalogger signals, Turbo Shut Off Valve Opening Position - Commanded (0x03F0). Refer to the electrical circuit diagrams and check the turbine intake valve control circuit for short circuit to ground. Check power supply to the solenoid. Repair harness as required. Using the manufacturer approved diagnostic system clear all stored DTCs using the 'Diagnosis menu' tab and retest ▪ Check and install a new turbine intake solenoid as required
P22CF-71	Turbocharger Turbine Inlet Valve Control Circuit / Open - Actuator stuck	<ul style="list-style-type: none"> ▪ The engine control module has not detected any motion, in response to energizing a motor, solenoid or relay ▪ Turbine intake solenoid sticking closed ▪ Turbine intake solenoid sticking open ▪ Intake air system, blocked low pressure air intake. This failure mode can be caused by snow packing in the intake system. Symptoms often disappear after the vehicle has been warmed and heat 	<ul style="list-style-type: none"> ▪ If this DTC is logged with P22D77 & P00BC-00 suspect, turbine intake solenoid sticking closed ▪ If this DTC is logged with P0235-94, P00BD-07, P22D2-77 & P1247-00 suspect, turbine intake solenoid sticking open ▪ If this DTC is logged with P00BD-07, P22D2-77, P1247-00 & P0235-94 suspect, intake air system, blocked low pressure air intake ▪ Using the manufacturer approved diagnostic system perform the (Turbo, EGR and air path dynamic test) routine