

Reference Value Symptom Chart

The Reference Value Symptom Chart provides guidance in selecting the appropriate parameter identification (PID) or measured signal related to the fault area. Select a symptom from the symptom chart along with the category number and go to the PID/Measured Signal Chart. For multiple symptoms, select the symptom that is the most evident.

Symptom Chart

Symptom Occurs During	Symptom	Category Number	
Startup:	No start/Normal crank	1	
	Hard start/Long crank	2	
	Stall after start	3	
	Diesels/Runs on	4	
Idle:	MIL	5	
	Stalls/Quits	6	
	Slow	7	
	Slow return	8	
	Rolling	9	
	Fast	10	
	Rough	11	
	Misses	12	
	Backfires	13	
	Acceleration:	Stalls/Quits	6
		Misses	12
		Bucks/Jerks	14
		Backfires	13
Hesitation		15	
Lack/Loss of power		16	
Surge		17	
Spark knock		18	
Cooling system temperature		19	
Poor fuel economy		20	
Emissions compliance		21	
Cruise:	Stalls/Quits	6	
	Misses	12	
	Bucks/Jerks	14	
	Backfires	13	
	Lack/Loss of power	16	
	Surge	17	
	Spark knock	18	

	Cooling system temperature	19
	Poor fuel economy	20
	Emissions compliance	21
Deceleration:	Stalls/Quits	6
	Backfires	13
Transmission Operation: (Automatic)	Shift/engagement concerns	22
	No overdrive	23
