

SECTION 1

ENGINE

SOHC ENGINE MECHANICAL	1B – 1
DOHC ENGINE MECHANICAL	1C – 1
ENGINE COOLING	1D – 1
ENGINE ELECTRICAL	1E – 1
ENGINE CONTROLS	1F – 1
ENGINE INTAKE & EXHAUST	1G – 1

DEFECT CODE**NATURE CODE**

N01	Hard start, no start	N37	Jumping-out
N02	Poor idle	N38	Improper synchronizing
N03	Surge, hesitate, stumble	N39	Oil diluted
N04	Engine noise, engine knocking noise	N40	Misfire
N05	Choke malfunction	N43	Excessive shock
N06	Engine stalled (general)	N46	Misaligned or mismatched
N07	Excessive fuel consumption	N47	Weak
N08	Excessive oil consumption	N51	Deteriorated
N09	Overheated	N52	Distortion, rainbow, waving
N11	Engine run-on	N55	Rust, corrosion, perforation.
N12	Flooded, overflowing	N57	Loose, poor fit
N13	Poor acceleration, uneven acceleration	N60	Excessive vibration
N14	Abnormal combustion	N61	Dead battery
N15	Lack of engine power	N62	Inaccurate (meter, gauge, etc.)
N16	Percolation	N63	Poor sound (horn, radio, etc.)
N17	Improper exhaust gas (black gas, white gas)	N64	Overcharged, discharged
N18	Backfire, afterfire	N65	Electrical failures
N20	Blocked	N66	Blown fuse
N21	Shuddering, pulsation, vibration, chattering	N67	Warning light on
N22	Slippage (= slipping)	N68	Intermittent operation
N23	Difficult engagement	N71	Oil leak, oil entering
N24	Difficult disengagement	N72	Water leak, water entering
N25	Abnormal shifts	N73	Leaks-other (air, fuel, refrigerant, vacuum)
N26	Impossible shifts	N77	Improper memory
N27	Squeaking, squealing, abnormal(wind) noise	N82	Loosening, falling-off, sagged
N28	Dragging	N84	Improper opening and/or closing
N29	Pulls	N85	Grabbed
N30	Stalled while driving	N86	Poor maneuverability
N31	Stalled while idling	N91	Interference or hitting
N32	Stalled between shifts	N92	Inoperative
N33	Stalling during sudden braking	N93	High/low operating effort
N34	Fails to reach normal operating temperature	N94	Special policy
N35	RPM too low	N99	Undefined
N36	RPM high		

CAUSE CODE

R01	Scored, scratched or chipped	R18	Grounded or shorted
R02	Frozen	R19	Improperly machined
R03	Peeling, come-off	R21	Improper clearance, back lash, free play
R04	Rusty, corroded	R22	Lack of lubricants
R05	Split, cut or torn	R23	Improper welding or soldering, welding or soldering omitted
R06	Broken or cracked	R24	Improper tightening, fit or assembly
R07	Porous, pin holes, cavity	R25	Sticks, binds, seized
R08	Bent, kinky, twisted, distorted, warped or wrinkled	R26	Foreign material, clogged
R09	Stripped – bolts, holes, nuts	R27	Improper sealing, sealer omitted or skipped
R11	Weakened, loss of tension or resilience (spring, cushion, etc.)	R28	Improper adjustment
R12	Abnormal wear	R31	Incorrect part
R13	Out of balance	R32	Improperly installed
R14	Out of round	R33	Improperly routed
R15	Loose or improper connection	R34	Missing part
R16	Open circuit or short circuit	R35	Flaw in material
R17	Burnt or burned-out	R36	Contaminants
		R99	Undefined