

Labor Operation Code	Labor Op Code Desc
10654C	BATTERY TEST, CHARGE, AND RE-TEST
11000A	STARTER CIRCUIT CHECK
12405AT	SPARK PLUGS REPLACE
12650D	EEC - (QUICK TEST) DIAGNOSIS
12650D45	PIN POINT TEST DIAGNOSIS
12650D47	COMPRESSION PRESSURE TEST DIAGNOSIS
12650D55	IGNITION SYSTEM DIAGNOSIS
12650D80	NGS DCL DISPLAY TEST
12650D81	NGS RECORDER / MONITOR ROAD TEST DIAGNOSIS
12650DX1	EXTRA TIME TO REPEAT FINAL QUICK TEST
12651D45	BODY/CHASSIS/ELECTRICAL - DIAGNOSTIC PIN POINT TEST
23S64E	ENGINE OIL PUMP BELT TENSIONER FAILURE
23S64ZZ	ENGINE OIL PUMP BELT TENSIONER FAILURE
3001A	CASTER, CAMBER, TOE-IN CHECK
3001A6F	TOE-IN CORRECT
5212B	CATALYTIC CONVERTER REPLACE
6006B	SERVICE ENGINE ASSEMBLY (LONG BLOCK) - REPLACE
6007A	ENGINE ASSEMBLY REMOVE AND INSTALL
6007A1	CYLINDER ASSEMBLY SHORT BLOCK REPLACE
6007A34	FQR(FORD QUALITY RENEWAL) REPLACE
6007AXQ	ENGINE ASSEMBLY - REMOVE AND INSTALL
6007D	ENGINE OIL LEAKS DIAGNOSIS
6007E	ENGINE EXCHANGE - DIAGNOSIS
6007E1	INSPECT AND DETERMINE ENGINE CONDITION - CHECK
6007ESP	ENGINE EXCHANGE DIAGNOSIS - ESP ONLY - INSPECT
6007ESP1	INSPECT AND DETERMINE ENGINE CONDITION - CHECK
6020A	GASKET OR CYLINDER FRONT COVER REPLACE
6020AXQ	GASKET OR CYLINDER FRONT COVER - REMOVE AND INSTALL OR REPLACE
6051A	GASKET - CYLINDER HEAD REMOVE AND INSTALL OR REPLACE
6051A10	CYLINDER HEAD GASKET - LEAKAGE (EXTERNAL LEAKS) TEST
6051A11	COMPRESSION PRESSURE CHECK
6051A8	CYLINDER HEAD ASSEMBLY REPLACE
6051AXQ	GASKET - CYLINDER HEAD - IN VEHICLE - REPLACE
6256A	CAMSHAFT SPROCKET REPLACE
6256AT	CAMSHAFT SPROCKET REPLACE
6256AXQ	CAMSHAFT SPROCKET OR VCT PHASER - REPLACE
6268A	TIMING BELT REPLACE
6600B	OIL PRESSURE - ENGINE DIAGNOSIS
6775A	COOLER ASSEMBLY (CHARGE AIR) REPLACE
6781A	GASKET SET OR OIL PAN (IN CHASSIS) REMOVE AND INSTALL OR REPLACE
6781A1	OIL PUMP REPLACE
7564B	HYDRAULIC CLUTCH SYSTEM - BLEED
8005D	COOLING SYSTEM PRESSURE TEST DIAGNOSIS
9350B	FUEL PUMP PRESSURE TEST ON VEHICLE DIAGNOSIS
9438A	TURBOCHARGER ASSEMBLY REPLACE
9438AXQ	TURBOCHARGER ASSEMBLY - REMOVE AND INSTALL OR REPLACE
AD	ADDITIONAL DIAGNOSIS
ADD	no description
MBASIC19	DRIVE BELT - OIL PUMP AND TIMING - REPLACE
MT	Miscellaneous Additional Time Required
MT12405	Miscellaneous Additional Time Required
MT12650	Miscellaneous Additional Time Required
MT12650D24	Miscellaneous Additional Time Required
MT12650D45	Miscellaneous Additional Time Required
MT2364B	Miscellaneous Additional Time Required
MT2364C	Miscellaneous Additional Time Required
MT23A64B	Miscellaneous Additional Time Required
MT23A64C	Miscellaneous Additional Time Required
MT23S46ZZ	Miscellaneous Additional Time Required
MT23S64	Miscellaneous Additional Time Required
MT23S64A	Miscellaneous Additional Time Required
MT23S64AA	Miscellaneous Additional Time Required

MT23S64B	Miscellaneous Additional Time Required
MT23S64C	Miscellaneous Additional Time Required
MT23S64D	Miscellaneous Additional Time Required
MT23S64E	Miscellaneous Additional Time Required
MT23S64F	Miscellaneous Additional Time Required
MT23S64ZZ	Miscellaneous Additional Time Required
MT23S65B	Miscellaneous Additional Time Required
MT23S65ZZ	Miscellaneous Additional Time Required
MT5E212	Miscellaneous Additional Time Required
MT6006	Miscellaneous Additional Time Required
MT6007	Miscellaneous Additional Time Required
MT6007A	Miscellaneous Additional Time Required
MT6007A1	Miscellaneous Additional Time Required
MT6007A34	Miscellaneous Additional Time Required
MT6007AXQ	Miscellaneous Additional Time Required
MT6009	Miscellaneous Additional Time Required
MT6020A	Miscellaneous Additional Time Required
MT6020A3	Miscellaneous Additional Time Required
MT6038A	Miscellaneous Additional Time Required
MT6051	Miscellaneous Additional Time Required
MT6051A11	Miscellaneous Additional Time Required
MT6068A	Miscellaneous Additional Time Required
MT6268	Miscellaneous Additional Time Required
MT6268A	Miscellaneous Additional Time Required
MT6333	Miscellaneous Additional Time Required
MT6675	Miscellaneous Additional Time Required
MT6781A	Miscellaneous Additional Time Required
MT6A311	Miscellaneous Additional Time Required
MT6B651	Miscellaneous Additional Time Required
MT6C348	Miscellaneous Additional Time Required
MT6K254	Miscellaneous Additional Time Required
MT6K682	Miscellaneous Additional Time Required
MT9434A	Miscellaneous Additional Time Required
MT9438	Miscellaneous Additional Time Required
MT9601	Miscellaneous Additional Time Required
MT9F972	Miscellaneous Additional Time Required
MT9G438	Miscellaneous Additional Time Required
MTBELT	Miscellaneous Additional Time Required
MTBOLTS	Miscellaneous Additional Time Required
MTCLEAN	Miscellaneous Additional Time Required
MTCORE	Miscellaneous Additional Time Required
MTDIAG	Miscellaneous Additional Time Required
MTIME	Miscellaneous Additional Time Required
MTIMES	Miscellaneous Additional Time Required
MTINSPECT	Miscellaneous Additional Time Required
MTLEAKDOWN	Miscellaneous Additional Time Required
MTMANCOMP	Miscellaneous Additional Time Required
MTOILPNPMP	Miscellaneous Additional Time Required
MTPPTHN	Miscellaneous Additional Time Required
MTREPAIR	Miscellaneous Additional Time Required
MTSTUD	Miscellaneous Additional Time Required
MTTEAR	Miscellaneous Additional Time Required
MTTEARDOWN	Miscellaneous Additional Time Required
MTTIMING	Miscellaneous Additional Time Required
MTTURBOTUBE	Miscellaneous Additional Time Required
OSL	OUTSIDE LABOR
PRIOR	COMPONENT REPLACEMENT - PRIOR APPROVAL
STATELBR	no description

Customer Concern Code	Description
A99	ADMINISTRATIVE (PARTS RETURN/ETC.)
D02	ENGINE CRANKING - TOO LONG/WONT START
D03	ENGINE TURNS OVER TOO LONG BEFORE STARTING
D13	ENGINE IDLE - ROUGH
D21	ENGINE RUNS/THEN DIES/STALLS
D36	ENGINE HESITATES/SURGES/RUN ROUGH - WHILE ACCEL/DECL
D41	ENGINE HESITATES/SURGES/RUN ROUGH - AT STEADY SPEEDS
D42	PERFORMANCE/ENGINE POWER AND ACCELERATION
D50	OTHER ENGINE - QUALITY
E20	ENGINE BELT - DURABILITY
E23	ENGINE OVERHEATS - COOLING RELATED
E29	WARNING LIGHTS/ALERTS/CHIMES - CHECK ENGINE LIGHT
E69	WARNING LIGHTS/ALERTS/CHIMES - OIL PRESSURE
G29	OTHER WARNING LIGHTS/ALERTS/CHIMES
G32	INST CLUST/MESSAGE CENTER
L65	ENGINE LEAKS OIL
N09	UNUSUAL ENGINE NOISE
N12	UNUSUAL ENGINE NOISE WHILE DRIVING
N18	UNUSUAL TRANSMISSION NOISE
N59	OTHER SQUEAKS AND RATTLES
P64	AT - TRANSMISSION SHIFTS TIMING
P69	AT - GEAR CHANGES TAKE TOO LONG TO COMPLETE

Diagnostic Trouble Code	Description
	9 no description
104R15R00L0A	no description
B10D7	PATS KEY
DMYSP	no description
DSYMP	no description
DYSMP	no description
HP	no description
HP1	no description
HP10	no description
HP4	no description
HP5	no description
HP6	no description
HP7	no description
HP8	no description
J04Q91944L01	no description
N	no description
P	no description
P0011	A" CAMSHAFT POSITION TIMING - OVER-ADVANCED (BANK 1)"
P0011	A" CAMSHAFT POSITION TIMING - OVER-ADVANCED (BANK 1)"
P0012	A" CAMSHAFT POSITION TIMING - OVER-RETARDED (BANK 1)"
P0012	A" CAMSHAFT POSITION TIMING - OVER-RETARDED (BANK 1)"
P0014	B" CAMSHAFT POSITION TIMING - OVER-ADVANCED (BANK 1)"
P0014	B" CAMSHAFT POSITION TIMING - OVER-ADVANCED (BANK 1)"
P0015	B" CAMSHAFT POSITION TIMING - OVER-RETARDED (BANK 1)"
P0015	B" CAMSHAFT POSITION TIMING - OVER-RETARDED (BANK 1)"
P0016	CRANKSHAFT POSITION - CAMSHAFT POSITION CORRELATION - BANK 1 SENSOR A
P0016	CRANKSHAFT POSITION - CAMSHAFT POSITION CORRELATION - BANK 1 SENSOR A
P0017	CRANKSHAFT POSITION - CAMSHAFT POSITION CORRELATION - BANK 1 SENSOR B
P0022	A" CAMSHAFT POSITION TIMING - OVER-RETARDED (BANK 2)"
P00C6	FUEL RAIL PRESSURE TOO LOW - ENGINE CRANKING (BANK 1)
P00C6	FUEL RAIL PRESSURE TOO LOW - ENGINE CRANKING (BANK 1)
P011	no description
P0128	COOLANT THERMOSTAT (COOLANT TEMP BELOW THERMOSTAT REGULATING TEMPERATURE)
P012A	TURBOCHARGER/SUPERCHARGER INLET PRESSURE SENSOR A" CIRCUIT"
P0131	O2 SENSOR CIRCUIT LOW VOLTAGE (BANK 1 SENSOR 1)
P0135	O2 SENSOR HEATER CIRCUIT (BANK 1 SENSOR 1)
P0137	O2 SENSOR CIRCUIT LOW VOLTAGE (BANK 1 SENSOR 2)
P014B	O2 SENSOR DELAYED RESPONSE - LEAN TO RICH (BANK 2 SENSOR 2)
P0201	CYLINDER 1 INJECTOR A" CIRCUIT/OPEN"
P0217	ENGINE COOLANT OVERTEMPERATURE CONDITION
P0299	TURBOCHARGER/SUPERCHARGER A" UNDERBOOST CONDITION"
P0299	TURBOCHARGER/SUPERCHARGER A" UNDERBOOST CONDITION"
P0300	RANDOM MISFIRE DETECTED
P0300	RANDOM MISFIRE DETECTED
P0301	CYLINDER 1 MISFIRE DETECTED
P0301	CYLINDER 1 MISFIRE DETECTED
P0302	CYLINDER 2 MISFIRE DETECTED
P0302	CYLINDER 2 MISFIRE DETECTED
P0303	CYLINDER 3 MISFIRE DETECTED
P0303	CYLINDER 3 MISFIRE DETECTED
P0304	CYLINDER 4 MISFIRE DETECTED
P0316	MISFIRE DETECTED ON STARTUP (FIRST 1000 REVOLUTIONS)
P0316	MISFIRE DETECTED ON STARTUP (FIRST 1000 REVOLUTIONS)
P0339	CRANKSHAFT POSITION SENSOR A" CIRCUIT INTERMITTENT"
P0340	CAMSHAFT POSITION SENSOR A" CIRCUIT (BANK 1 OR SINGLE SENSOR)"
P0340	CAMSHAFT POSITION SENSOR A" CIRCUIT (BANK 1 OR SINGLE SENSOR)"
P0344	CAMSHAFT POSITION SENSOR A" CIRCUIT INTERMITTENT (BANK 1 OR SINGLE SENSOR)"
P0365	CAMSHAFT POSITION SENSOR B" CIRCUIT (BANK 1)"
P0365	CAMSHAFT POSITION SENSOR B" CIRCUIT (BANK 1)"
P0369	CAMSHAFT POSITION SENSOR B" CIRCUIT INTERMITTENT (BANK 1)"
P0399	CYLINDER 1 PRESSURE SENSOR CIRCUIT INTERMITTENT/ERRATIC
P04DB	CRANKCASE VENTILATION SYSTEM DISCONNECTED
P051B	CRANKCASE PRESSURE SENSOR A" CIRCUIT RANGE/PERFORMANCE"
P0639	THROTTLE ACTUATOR CONTROL RANGE/PERFORMANCE - BANK 2
P06DB	ENGINE OIL PRESSURE CONTROL CIRCUIT LOW
P06E4	CONTROL MODULE WAKE-UP CIRCUIT PERFORMANCE
P06E9	ENGINE STARTER PERFORMANCE
P1000	OBD SYSTEMS READINESS TEST NOT COMPLETE
P1111	SYSTEM PASS
P1111	SYSTEM PASS
P117A	ENGINE OIL OVERTEMPERATURE - FORCED LIMITED POWER
P1285	CYLINDER HEAD OVERTEMPERATURE CONDITION

P1299	CYLINDER HEAD OVERTEMPERATURE PROTECTION ACTIVE
P1299	CYLINDER HEAD OVERTEMPERATURE PROTECTION ACTIVE
P1397	SYSTEM VOLTAGE OUT OF SELF TEST RANGE
P162F	STARTER MOTOR DISABLED - ENGINE CRANK TIME TOO LONG
PASS	SYSTEM PASS
PASS	SYSTEM PASS
PPTX	no description
U2100	INITIAL CONFIGURATION NOT COMPLETE
Y	no description