

DT 466 & INTERNATIONAL 530E DIAGNOSTICO DEL SISTEMA DE CONTROL ELECTRONICO

FLAS CODE	CIRCUIT INDEX	CONDITION DESCRIPTION	COMMENTS	PROBABLE CAUSES
111	ECM	NO ERRORS DEFECTED – FLAS CODE ONLY	NO ERRORS DETECTED BY THE ECM	
112	ECM_PWR	ELECTRICAL SYSTEM VOLTAGE B+ OUT OF RANGE HIGH	ECM VOLTAGE IS CONTINUOUSLY MORE THAN 18 VOLTS	CHARGING SISTEM FAULT
113	ECM_PWR	ELECTRICAL SYSTEM VOLTAGE B+ OUT OF RANGE LOW	ECM VOLTAGE LESS THAN 6.5 – CAUSE OF NO START/MISFIRE	LOW BATT. LOOSE CONECTION OF RESISTANCE IN CIRCUIT
114*	ECT	ENGINE COOLAN TEMPERATURE SIGNAL OUT OF RANGE LOW	DEFAULT 180°F/82°C. ECT BELOW 0.127V	ECT SIGNAL CIRCUIT OF SENSOR SHORTED TO GROUND
115*	ECT	ENGINE COOLAN TEMPERATURE SIGNAL OUT OF RANGE HIGH	DEFAULT 180°F/82°C. ECT ABOVE 4.6V	ECT CIRTCUIT OR SENSOR OPEN
121*	MAP	INTAKE MANIFOLD ABSOLUTE PRESS.SIGNAL OUT OF RANGE HIGH	DEFAULT INTERRED MAP-LOW POWER SLOW ACCELERATION MAP>4.9V	MAP CIRCUIT SHORTED HIGH DEFECTIVE SENSOR
122*	MAP	INTAKE MANIFOLD ABS.PRESS SIGNAL OUT OF RANGE LOW	DEFAULT INTERRED MAP-LOW POWER SLOW ACCELERATION MAP<.039V	MAP CIRCUIT SHORTED LOW OPEN
123*	MAP	INTAKE MANIFOLD ABS.PRESS INRANGE FAUL	DEFAULT INTERRED MAP-LOW POWER SLOW ACCERERATION	HOSE TO MAP SENSOR PLUGGED
124*	ICP	INJECTION CONTROL PRESS SIGNAL OUT OF RANGE LOW	DEFAULT OPEN LOOP CONTROL-UNDERRUN AT IDLE-ICP BELOW 0.039V	CIRCUIT SHORT LOW OPEN DEFECTIVE SENSOR
125*	ICP	INJECTION CONTROL PRESS SIGNAL OUT OF RANGE HIGH	DEFAULT OPEN LOOP CONTROL-UNDERRUN AT IDLE-ICP ABOVE 4.897V	CIRCUIT SHOR HIGH DEFECTIVE SENSOR
131*	APS/IVS	ACCELERATOR POSITION SIGNAL OUT OF RANGE LOW	SIGNAL VOLTAGE BELOW .152 VOLTS-ENG. IDLE ONLY	SHORT TO GRD OR OPEN IN CIRCUIT DEFECTIVE SENSOR
132*	APS/IVS	ACCELERATOR POSITION SIGNAL OUT OF RANGE HIGH	SIGNAL VOLTAGE ABOVE 4.55 VOLTS-ENG. IDLE ONLY	SHORT TO VREF OR 12 VOLT. DEFECTIVE SENSOR
133*	APS/IVS	ACCELERATOR POSITION SIGNAL INRANGE FAUL "M"	APS/IVS CONFLICT-LIMITED TO 0% APS	FAILED APS SIGNAL
134*	APS/IVS	ACCELERATOR POSITION AND IDLE VALIDATION DISAGREE	APS/IVS CONFLICT-LIMITED TO 0% APS	BOTH APS AND IVS SIGNAL FAITURE
135*	APS/IVS	IDLE VALIDATION SWITCH CIRCUIT FAULT	APS/IVS CONFLICT-LIMITED TO 50%APS	FAILED IVS SIGNAL
141	VSS	VEHICLE SPEED SIGNAL OUT OF RANGE LOW	VSS SIG AT 0MPH<.048V-CRUSE/PTO DISENGAGED- ENG SPEED LIMITED	VSS CIRCUIT OPEN OR SHORTED TO GROUND
142	VSS	VEHICLE SPEED SIGNAL OUT OF RANGE HIGH	VSS SIG TA 0MPH> 4.492V-CRUSE/PTO DIS.-ENG SPEED LIMITED	VSS CIRCUIT SHORTED TO VREF OR 12 VOLTS
143	CMP	WRONG NUMBER OF CMP SIGNAL TRANSITIONS PER CAM REV	CMP SIGNAL INTERMITTENT	POOR CONNECTION DEFECTIVE SENSOR
144	CMP	CMP SIGNAL NOISE DETECTED	ECM DETECTS ELECTRICAL NOISE IN CIRCUIT	ELECTRICAL NOISE INJECTOR VOLTEGE SHORT TO GROUND
145*	CMP	CMP SIGNAL INACTIVE WHILE ICP HAS INCREASED	NO CMP SIGNAL WHILE ICP SIGNAL INCREASED	SHORT HIGH LOW OR OPEN DEFECTIVE CMP SENSOR
151	BARO	BAROMETRIC PRESS. SIGNAL OUT OF RANGE HIGH	BARO SIGNAL VOLTAGE ABOVE 4.9V FOR 1.0 SEC-DEFAULTS TO 14.7 PSI	BARO CIRCUIT SHORT HIGH OR OPEN CIRCUIT
152	BARO	BAROMETRIC PRESS. SIGNAL OUT OF RANGE LOW	BARO SIGNAL VOLTAGE BELOW 1.0V FOR 1.0 SEC-DEFAULTS TO 14.7 PSI	BARO CIRCUIT LOW
154	IAT	INTAKE AIR TEMPERATURE SIGNAL OUT OF RANGE LOW	IAT SIGNAL VOLTEGE LOW-DEFAULTS TO 77°C IAT BELOW 0.127V	IAT SIGNAL CIRCUIT OR SENSOR SHORTED TO GROUND
155	IAT	INTAKE AIR TEMPERATURE SIGNAL OUT OF RANGE HIGH	IAT SIGNAL VOLTAGE LOW-DEFAULTS TO 77°C IAT ABOVE 4.6V	IAT CIRCUIT OR SENSOR OPEN
211*	EOP	ENGINE OIL PRESS SIGNAL OUT OF RANGE LOW	EOP SIGNAL VOLTAGE LOW BELOW 0.039V	EOP CIRCUIT SHORT LOW
212*	EOP	ENGINE OIL PRESS SIGNAL OUT OF RANGE HIGH	EOP SIGNAL VOLTAGE HIGH ABOVE 4.9V	EOP CIRCUIT SHOR HIGH OR OPEN
213	RPS	REMOTE THROTTLE SIGNAL OUT OF RANGE LOW	RPS SENSOR SIGNAL VOLTAGE BELOW 0.249V	OPEN RPS CIRCUIT
214	RPS	REMOTE THROTTLE SIGNAL OUT OF RANGE HIGH	RPS SENSOR SIGNAL VOLTAGE ABOVE 4.5V	SHORTED RPS CIRCUIT
215	VSS	VEHICLE SPEED SIGNAL FREQ. OUT OF RANGE HIGH	SPEEDO CRUISE PTO DISABLED-ENG SPEED LIMITED SIG FREQ>4375HZ	MISADJUSTED/FAULTY SPEEDSENSOR ELEC NOISE ON CIRC
216	HPG	HYDRAULIC PRESSURE SIGNAL OUT OF RANGE LOW	HPS SIGNAL VOLTAGE BELOW .039	CITCUIT OPEN SHORT TO GROUND DELECTIVE SENSOR
221	SCCS(RPTO)	CRUISE PTO CONTROL SWITCH CIRCUIT FAULT(OR REMOTE PTO)	SCCS SIGNAL INCORRECT VOLTAGE SIGNAL WRONG FOR SWITCH STATE	SHORT OR RESISTANCE IN SCCS CIRCUIT
222	BRAKE	BRAKE SWITCH CIRCUIT FAULT	VOLTAGE AT ECM(BNO1) AND (BNO2) ARE NOT THE SAME	FAULTY/MISADJUSTED SWITCH
225	EOP	EOP SENSOR SIGNAL IN RANGE FAULT	EOP SIGNAL ABOVE 40 PSI W/ENGINE OLT KEY ON DISABLES ENGPROTEC	WIRE HARNESS/CONNECOTR PROBLEM LAUTY SENSOR
226	HPG	HYDRAULIC PRESSURE SENSOR SIGNAL OUT OT RANGE HIGH	HPS SIGNAL ABOVE 4.9 VOLTS	CIRCUIT SHORT HIGH DEFECTIVE SENSOR
231	ATA	ATA DATA COMMUNICATION LINK ERROR	ATA LINK OPEN OR SHORTED WTEC CONTROLLER INTERFERENCE	ATA DEVICE GROUNDED OR OVERLOADED
236	ECL	ECL SWITCH CIRCUIT FAULT	ENGINE COOLANT LEVEL SWITCH CIRCUIT FAULT	OPEN OR SHORT CIRCUITS
241	IPR	INJECTION CNTRL. PRESS REGULATOR OCC SELT TEST FAILED	IPR-OUTPUT CIRCUIT CHECK-ENGINE OFF TEST ONLY	SHORT HIGH OR LOW OR OPEN
244	EDL	ENGINE TO TRANS DATA LINE OCC SELT TEST FAILED	EDL RELAY-OUTPUT CIRCUIT CHECK-ENGINE OFF TEST ONLY	OPEN OF SHORT CIRCUIT
246	EFAN	ENGINE FAN-OCC SELF TEST FAILED	FAN RELAY-OUTPUT CIRCUIT CHECK-ENGINE OFF TEST ONLY	OPEN OF SHORT CIRCUIT
256	RSE	RADIATOR SHUTTER ENABLE OCC SELF TEST FAILET	SHUTTER RELAY-OUTPUT CIRCUIT CHECK-ENGINE OFF TEST ONLY	OPEN OF SHORT CIRCUIT
262	COL	CHANGE OIL LAMP OCC FAULT	CHANGE IOL LAMP-OCC CHECK-ENGINE OFF TEST ONLY	OPEN OF SHORT CIRCUITS FAILED BULB
263	OWL	IOL WATER LAMP OCC FAULT	OIL WATER LAMP-OCC CHECK-ENGINE OFF TEST ONLY	OPEN OF SHORT CIRCUITS FAILED BULB
265	VRE	VEHICLE RETARDE RELAY OCC FAULT	VAHICLE RETARDER OCC ONECK – ENGINE OFF TEST ONLY	OPEN OF SHORT CIRCUITS
266	WARN	ENGINE WARCING LAMP OCC FAULT	ENGINE WARNING LAMP OCC CHECK – ENGINE OFF TEST ONLY	OPEN OF SHORT CIRCUITS FARLED BULB
311*	EOT	ENGINE ORT TEMP. SIGNAL OUT OF RANGE LOW	DEFAULT 212° F/100° C. NO FAST IDLE. EOT ABOVE 4.8 V	EOT SIGNAL CIRCUIT OR SENSOR SHORTED TO GROUND
312*	EOT	ENGINE ORT TEMP. SIGNAL OUT OF RANGE HIGH	DEFAULT 212° F/100° C. NO FAST IDLE. EOT ABOVE 0.2 V	EOT CIRCUIT OF SENSOR OPEN
313*	EOP**	ENGINE OF PRES BELOW WARNING LEVEL	ENGINE MONITOR OF LOW OIL PRESS. OIL LIGHL ON	NO OF CW OF STICK – RG ON PRESSUR REGULATOR PICKUP
314	EOP**	ENGINE OF PRES BELOW CRITICAL LEVEL	ENGINE MONITOR OF LOW OIL PRESS. SHULDOWN (IL EQUIPPED)	TUBE BLOCKED OF CRACKED WORN BEANNGS OF CIL PUMP
315*	CMP	ENGINE SPEED ABOVE WARNING LEVEL	ECM RECORDED EXCESSIVE ENGINE SPEED (ABOVE 3000 RPM)	TRANSMISSION IMPROPERLY DOWNSHIFTED
316	ECT	ENGINE COOLANT TEMP. UNABLE TO REACH COMMAND SET POINT	ENABLED ONLY WHEN COLD AMBIENT PROTECTION ENABLED	LEAKING TDERMOCTAT. COOLING SYSTEM PROBLEMS
321	ECT**	ENGINE COOLANT TEMP ABOVE WARNING LEVEL	COOLANT TEMPERATURE GREATER TDAN 224.6° F (107° C)	COOLING SYSTEM PROBLEM
322	ECT**	ENGINE COOLANT TEMP ABOVE CRITICAL LEVEL	COOLANT TEMPERATURE GREATER TDAN 233.6° F (112.5° C)	COOLING SYSTEM PROBLEM
323	ECL	ENGINE COOLANT BELOW WARNING CRITICAL LEVEL	ECM DETECTS LOW COOLANT LEVEL	CHECK COOLANT LEVEL FLOW CHECK FOR LEAKS
324	IST	IDIE SHUTDOWN TIRNER ENABLED ENGINE SHUTDOWN	IDIE SHUTDOWN TIMER IS ON AND IDLE TIME EXCEEDEDLIMIT	IDLE TIME EXCEDED LIMIT
325	ECT	POWER REDUCED. MACHED TO COOLING SYS PERFORMANCE	ENGINE POWER REDUCED NORMAL IN CERTAIN CONDITIONS	HIGH ALTITUDE OF HOT HAMBRETR TEMPERATURE
331*	IPR	INJECTION CNTRL PRESS ABOVE SYSTEM WORKING RANGE	ICP ABOVE 3675 PSI (25 MPA)	GROUNDED IPR CIRCUIT. STUCK IPR VALVE
332*	ICP	INJECTION CNTRL PRESS ABOVE SPEC WITH ENGINE OFF	ICP SIG VOLT HIGHER THAN EXPECTED W/ENG NOT RUNNING	CIRCUIT SHORTED TO VOLTAGE. DEFECTIVE SENSOR

333*	IPR_SYS	INJECTION CONTROL PRESS ABOVE/BELOW DESIRED LEVE	ICP DESIRED DOES NOT=ICP SIGNAL(LONG PERIOD OF TIME)	AIR IN OIL WRONG CIL SLUCK OF WRORG IPR LEAKING INJ O
334	IPR_SYS	ICP UNABLE TO ACHIEVE SETPOINT IN TIME(POOR PERFORMANCE)	ICP DESIRED DOES NOT=ICP SIGNAL(SHORT PERIOD OF TIME)	RINGS. ICP SENSOR HIGH PRESSURE PUMP(SEE MANUAL)
335	IPR_SYS	ICP UNABLE TO BULB PRESSURE DURING CRANKING	LESS THAN 725 PSI ICP PRESSURE ALTER 10 SEC.OF CRANKING	AIR IN OIL INJECTION PRESSURE PROBLEM(SEE MANUAL)
336	HPG	HYDRAULIC PRESS UNABLE TO ACHIEVE COMMANDED SET POIN		HYDRAULIC PRESSUE SYSTEM LEAKGE OR PROBLEM
421-426	INJ	HIGH SIDE TO LOW SIDE OPEN(CYL NUMBER INDICATED)	ECM DETECTED A OPEN CIRCUIT FOR INJECTOR CIRCUIT	INDIVIDUAL INJECTOR HAMESS OPEN
431-436	INJ	HIGH SIDE SHORTED TO LOW SIDE(CYL NUMBER INDICATED)	ECM DETECTED A SHORT CIRCUIT FOR AN INJECTOR	INJECTOR OR HAMESS SHORTED LOW SIDE TO HIGH SIDE
451-456	INJ	HIGH SIDE SHORT TO GROUND OR V BAT(CYL NUMBER INDICATED)	ECM DETECTED INJ LOW SIDE SHORTED TO GRD-1BANK RUN	INJ HARNES SHORTED ON LOW(CONTROL) CIRCUIT TO GRD
461-466	PERT. DIAG.	CILINDER CONTRIB TEST FAILED(CYL NUMBER INDICATED)	ECM FINDS CILINDER CONTRIBUTION INSUFFICIENT	RETER TO PERFORMANCE DIAGNOSTICS
513*	INJ	LOW SIDE TO BANK 1 OPEN	HIGH VOLTAGE SUPPLY OPEN-CYL #1,#2,#3	OPEN CIRCUIT BANK #1
514*	INJ	LOW SIDE TO BANK 2 OPEN	HIGH VOLTAGE SUPPLY OPEN-CYL #4,#5,#6	OPEN CIRCUIT BANK #2
515*	INJ	BANK 1 LOW SIDE SHORT TO GROUND OR B+	BANK #1 SIDE HIGH VOLTAGE CIRCUIT SHORTED	SHORTED CIRCUIT BANK #1
521*	INJ	BANK 2 LOW SIDE SHORT TO GROUND OR B+	BANK #2 LEFT SIDE HIGH VOLTAGE CIRCUIT SHORTED	SHORTED CIRCUIT BANK #2
525*	ECM	INJECTOR DRIVER CIRCUIT FAULT	ECM CAN NOT SUPPLY SUFICIENT VOLTAGE TO INJECTORS	ENGINE HAMESS INJECTOR HARNESS OR ECM PROBLEM
612*	CMP	INCORRECT ECM INSTALLED FOR CMP TIMING WHEEL	MISMATCH BETWEEN ECM AND ENGINE TARGET WHEEL(1-6,V8)	INCORRECT ECM OR STRATEGY FOR ENGINE
614*	ECM	EFRC/EECM ING CONFIGURATION MISMATCH	PROGRAMMING PROBLEM	COMPONENTS CHANGED IN THE FIEL NOT COMPATIBLE
621*	ECM	ENGINE USING MFG DEFAULT RATING PROGRAM ENGINE	ENGINE OPERATION AT 25 HP DEFAULT	ECM NOT PROGRAMMED BUT INSTALLED ON TRUCK
622*	ECM	ENGINE USING FIELD DEFAULT RATING	PROGRAMMING PROBLEM ENG LIMITED TO 160 HP OPTIONS NOT AVAIL	ECM NOT PROG PROPERTY INTERNAL ECM PROBLEM
623*	ECM	INVALID ENGINE RATING CODE CHECK ECM PROGRAMMING	PROGRAMMING PROBLEM	ECM NOT PROGRAMMID PROPERTY
624	ECM	FIELD DEFAULTS ACTIVE	PROGRAMMING PROBLEM/ECM PROBLEM	PROGRAMMINGPROBLE INTERNAL ECM PROBLEM
626	ECM_PWR	UNEXPECTED RESET FAULT	ECM MOMENTARY LOST POWER	SEE ECM_PWR CIRCUIT DIAGNOSTICS
631*	ECM	ROM(READ ONLY MEMORY)SELT TEST FAULT	ECM FAITURE	INTERNAL ECM PROBLEM
632	ECM	RAM MEMORY-CPU SELT TEST FAULT	ECMFAITURE	INTERNAL ECM PROBLEM
655	ECM	PROGRAMMABLE PARAMETER LIST LEVEL INCOMPATIBLE	PROGRAMMING PROBLEM/ECM MEMORY PROBLEM	PROGRAMMING PROBLEM
661	ECM	RAM PROGRAMMABLE PARAMETER LIST CORRUPT	PROGRAMMING PROBLEM/ECM MEMORY PROBLEM	PROGRAMMING PROBLEM INTERNAL ECM PROBLEM
664	ECM	CALUBRATION LEVEL INCOMPATIBLE	PROGRAMMING PROBLEM	PROGRAMMING PROBLEM ECM NOT PROGRAMMED
665	ECM	PROGRAMMABLE PARAMETER MEMORY CONTENT	ECM FAITURE	INTERNAL ECM PROBLEM