

ENGINE CONTROL SYSTEM RELATION CHART [LF]

B3E014018881T06

Component	X: Applied													
	Idle air control (IAC)	Variable intake-air control	Variable tumble control	Fuel injection control	Fuel pump control	Electronic spark advance (ESA) control	EGR control	Purge control	Front HO2S heater control	Rear HO2S heater control	A/C cut off control	Electrical fan control	Starter cut-off control	Generator control
Input device														
IAT sensor	X			X		X	X	X	X					X
MAF sensor	X			X		X	X	X	X	X				
TP sensor	X		X	X		X	X		X		X	X		
MAP sensor	X			X				X						
ECT sensor	X		X	X		X	X		X	X	X	X		X
CMP sensor				X		X								
CKP sensor	X	X	X	X	X	X	X	X	X	X	X			X
KS						X								
Front HO2S				X				X						
Rear HO2S				X										
BARO sensor	X			X				X			X			
Neutral switch (MTX)	X			X		X	X	X			X			
CPP switch (MTX)	X			X		X	X	X			X			
TR switch (ATX)	X			X		X	X	X			X			
Brake switch	X			X		X								
A/C on request signal, refrigerant pressure switch (high, low pressure)	X			X		X					X	X		
Refrigerant pressure switch (medium pressure)	X													
Battery voltage				X		X	X	X				X		X
Generator terminal P	X			X		X								X
Vehicle speed signal	X			X		X	X					X		X
Instrument cluster	X			X	X	X							X	

B3E0140T073

X: Applied													
Component													
	Idle air control (IAC)	Variable intake-air control	Variable tumble control	Fuel injection control	Fuel pump control	Electronic spark advance (ESA) control	EGR control	Purge control	Front HO2S heater control	Rear HO2S heater control	A/C cut off control	Electrical fan control	Starter cut-off control
Output device													
IAC valve	X												
Variable intake-air solenoid valve		X											
Variable tumble solenoid valve			X										
Fuel injectors				X									
Fuel pump relay					X								
Ignition coil						X							
EGR valve							X						
Purge solenoid valve								X					
Front HO2S heater									X				
Rear HO2S heater										X			
A/C relay											X		
Fan control module												X	
Starter relay													X
Generator (terminal D: field coil)													X

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