

Toyota Powertrain Actuators

ASG

Activate Clutch Stroke
 Activate Gear Position
 Activate HPU Motor
 Activate Oil Cooler Motor
 Release Gear Stuck

Automatic Transmission

Control DSU Solenoid
 Control SL Solenoid
 Control SL1 Solenoid
 Control SL2 Solenoid
 Control SL3 Solenoid
 Control SR Solenoid

E-ACM

Check E-ACM

Electric Vehicle

Activate Water Pump
 Connect TC and TE1
 Electric Cooling Fan

Electric Vehicle Battery

Driving Battery Cooling Fan

Electronically Controlled Transmission

A/F Control
 Activate ACC Cut Relay
 Activate Air Pump Heater
 Activate Brake Ejector VSV
 Activate DPF Rejuvenate (PM)
 Activate DPF Rejuvenate (S)
 Activate EGR Valve Close
 Activate Electric Water Pump
 Activate Fuel Filler Opener
 Activate Fuel Pump Speed Control
 Activate Fuel Pump2 Speed Control
 Activate HCAC VSV
 Activate Intank Fuel Pump Relay
 Activate Lock Up
 Activate LPG Solenoid Valve
 Activate Return Solenoid Valve
 Activate Slip Control System
 Activate Solenoid (DS1)
 Activate Solenoid (DS2)
 Activate Solenoid (DSL)
 Activate Solenoid (DSU)
 Activate Solenoid (S1)
 Activate Solenoid (S2)
 Activate Solenoid (S3)
 Activate Solenoid (S4)
 Activate Solenoid (SB)
 Activate Solenoid (SL)
 Activate Solenoid (SL1)

Activate Solenoid (SL2)

Activate Solenoid (SL3)
 Activate Solenoid (SL4)
 Activate Solenoid (SL5)
 Activate Solenoid (SLC)
 Activate Solenoid (SLN)
 Activate Solenoid (SLS)
 Activate Solenoid (SLT)
 Activate Solenoid (SLU)
 Activate Solenoid (SR)
 Activate Solenoid (ST)
 Activate Solenoid(SC)
 Activate Solenoid(SLP)
 Activate Starter Cut Relay
 Activate Starter Relay
 Activate Vacuum Pump
 Activate VALVEMATIC(ENG OFF)
 Activate VALVEMATIC(ENG ON)
 Activate VN Turbo Open
 Activate VSV for AICS
 Activate VSV for Air Bleed Control
 Activate VSV for Canister Control
 Activate VSV for EGR Cut
 Activate VSV for Evap Control
 Activate VSV for Exhaust Brake
 Activate VSV for Exhaust Shutter
 Activate VSV for HCAC System
 Activate VSV for Intake Air Control
 Activate VSV for Intake Control
 Activate VSV for Purge Cut
 Activate VSV for Tank Bypass
 Activate VSV for Turbo Pressure
 Activate VSV for Vent Valve
 Activate VSV2 for Intake Control
 Activate Water Flow Valve 3
 Activate Water Flow Valve 4
 Activate Water Flow Valve 5
 Activate Water Pump
 All Cylinders Fuel Cut
 Auto Oil Supply System
 Brake Ejector VSV Inspection
 Check Cylinder Compression
 Check Imbalance Cylinder #1
 Check Imbalance Cylinder #2
 Check Imbalance Cylinder #3
 Check Imbalance Cylinder #4
 Check Imbalance Cylinder #5
 Check Imbalance Cylinder #6
 Check Imbalance Cylinder #7
 Check Imbalance Cylinder #8
 Connect TC and TE1
 Control A/C Cut Signal
 Control A/C Magnet Clutch
 Control ACM Inhibit
 Control All Cylinders Fuel Cut
 Control Auto Oil Supply System

Control C/D

Control Cylinder Fuel Cut
 Control Cylinder#1 Fuel Cut
 Control Cylinder#2 Fuel Cut
 Control Cylinder#3 Fuel Cut
 Control Cylinder#4 Fuel Cut
 Control Cylinder#5 Fuel Cut
 Control Cylinder#6 Fuel Cut
 Control Cylinder#7 Fuel Cut
 Control Cylinder#8 Fuel Cut
 Control Delivery Shut Valve
 Control EGR Step Position
 Control EGR Step Position #2
 Control EGR System
 Control Electric Cooling Fan
 Control ETCS Open/Close Fast Speed
 Control ETCS Open/Close Slow Speed
 Control Fuel Pump / Speed
 Control Fuel Pump Duty
 Control IAC Duty Ratio
 Control Idle Fuel Cut Prohibit
 Control Injection Timing #1
 Control Injection Timing #2
 Control Injection Timing #3
 Control Injection Timing #4
 Control Injection Timing #5
 Control Injection Timing #6
 Control Injection Timing #7
 Control Injection Timing #8
 Control Injection Volume
 Control Injection Volume for A/F Sensor
 Control Injection Way
 Control ISC Step Position
 Control Line Pressure Up
 Control Lock Up
 Control O/D Cut
 Control Regulator Shut Valve
 Control SCV Duty Ratio
 Control Select Cylinder Fuel Cut
 Control Shift Position
 Control Shift Position (4 speed)
 Control Shift Position (5 speed)
 Control Shift Position (6 speed)
 Control SLS Pressure
 Control Supercharger
 Control Target Engine Speed
 Control Target Fuel Pressure
 Control the All Cylinders Fuel Cut(CNG)
 Control the Injection Volume for A/F Sensor
 Control the Injection Volume(CNG)
 Control the Regulator Shut Valve
 Control the Select Cylinder Fuel Cut(CNG)
 Control Voltage of Alternator
 Control VVT Exhaust Linear (Bank1)
 Control VVT Exhaust Linear (Bank2)
 Control VVT Linear (Bank1)

Control VVT Linear (Bank2)
Control VVT System (Bank1)
Control VVT System (Bank2)
Control VVT-iE Linear (Bank1)
Control VVT-iE Linear (Bank2)
Control VVTL System (Bank1)
Control VVTL System (Bank2)
Cylinder Fuel Cut
D-4S (A/F Control)
D-4S (Fuel Cut)
D-4S (Injection Volume)
Diesel Throttle Target Angle
DSU Solenoid
Electric Cooling Fan
Emergency Solenoid Valve
ETCS Open/Close Fast Speed
ETCS Open/Close Slow Speed
Fuel Cut Bank 2 for Idle
Fuel Pressure Relief Valve Open
Fuel Pressure Switching Valve
Fuel Pump Speed Control
Fuel Pump2 Speed Control
Fuel Return Pipe Valve
Fuel Route Switching Valve Relay
Fuel Vapor-Containment Valve
HCAC VSV Check
HICM System Check
Injection Volume
Prohibit Catalyst OT Misfire prevent F/C
Purge Dilution Valve Duty Bank1
Purge Dilution Valve Duty Bank2
Shift Position
Shift Position (4 speed)
Shift Position (5 speed)
Shift Position (6 speed)
SL Solenoid
SL1 Solenoid
SL2 Solenoid
SL3 Solenoid
SR Solenoid
Stoichiometric Ratio Combustion
Stratified Charge Combustion
Sub Fuel Tank VSV
Test Fuel Leak
Test Turbo Charger Step Motor
Vacuum Pump
VALVEMATIC after Warm Up
VALVEMATIC before Warm Up
VSV for A/C Idle Up Control
VSV for AICS
VSV for Air Bleed Control
VSV for Canister Control
VSV for EGR Cooler Bypass
VSV for Exhaust Bypass Control
VSV for Exhaust Gas Control
VSV for Exhaust Switching Valve
VSV for Fuel Pressure Up Control
VSV for Intake Air Control
VSV for Intake Control
VSV for Secondary Air Control

VSV for Swirl Control Valve
VSV for Tank Bypass
VSV for Turbo Boost Control
VSV for Variable Intake Control
VSV for Vent Valve
VVT Exhaust Linear (Bank1)
VVT Exhaust Linear (Bank2)
VVTL System (Bank1)
VVTL System (Bank2)

Engine

A/F Control
Activate ACC Cut Relay
Activate Lock Up
Activate Solenoid (S1)
Activate Solenoid (S2)
Activate Solenoid (S3)
Activate Solenoid (S4)
Activate Solenoid (SL1)
Activate Solenoid (SL2)
Activate Solenoid (SLT)
Activate Solenoid (SLU)
Activate Solenoid (SR)
Activate Starter Cut Relay
Activate Vacuum Pump
Activate VSV for Evap Control
Activate VSV for Vent Valve
Check Cylinder Compression
Connect TC and TE1
Control A/C Magnet Clutch
Control All Cylinders Fuel Cut
Control Cylinder Fuel Cut
Control Electric Cooling Fan
Control ETCS Open/Close Fast Speed
Control ETCS Open/Close Slow Speed
Control Fuel Pump / Speed
Control Fuel Pump Duty
Control Injection Timing #1
Control Injection Timing #2
Control Injection Timing #3
Control Injection Timing #4
Control Injection Volume
Control Injection Volume for A/F Sensor
Control Injection Way
Control Select Cylinder Fuel Cut
Control Shift Position
Control Target Engine Speed
Control Target Fuel Pressure
Control Voltage of Alternator
Control VVT Exhaust Linear (Bank1)
Control VVT Exhaust Linear (Bank2)
Control VVT Linear (Bank1)
Control VVT Linear (Bank2)
D-4S (A/F Control)
D-4S (Fuel Cut)
D-4S (Injection Volume)
Injection Volume

Engine and ECT

A/C Cut Signal

A/C Magnet Clutch
A/C Magnetic Clutch Relay
A/F Control
Activate ACC Cut Relay
Activate Air Pump Heater
Activate Brake Ejector VSV
Activate DPF Rejuvenate (PM)
Activate DPF Rejuvenate (S)
Activate EGR Valve Close
Activate Electric Water Pump
Activate Fuel Filler Opener
Activate Fuel Pump Speed Control
Activate Fuel Pump2 Speed Control
Activate Fuel Return Pipe Valve
Activate HCAC VSV
Activate Intank Fuel Pump Relay
Activate Lock Up
Activate LPG Solenoid Valve
Activate Return Solenoid Valve
Activate Slip Control System
Activate Solenoid (DS1)
Activate Solenoid (DS2)
Activate Solenoid (DSL)
Activate Solenoid (DSU)
Activate Solenoid (S1)
Activate Solenoid (S2)
Activate Solenoid (S3)
Activate Solenoid (S4)
Activate Solenoid (SB)
Activate Solenoid (SL)
Activate Solenoid (SL1)
Activate Solenoid (SL2)
Activate Solenoid (SL3)
Activate Solenoid (SL4)
Activate Solenoid (SL5)
Activate Solenoid (SLC)
Activate Solenoid (SLN)
Activate Solenoid (SLS)
Activate Solenoid (SLT)
Activate Solenoid (SLU)
Activate Solenoid (SR)
Activate Solenoid (ST)
Activate Solenoid(SC)
Activate Solenoid(SLP)
Activate Starter Relay
Activate Vacuum Pump
Activate VALVEMATIC(ENG OFF)
Activate VALVEMATIC(ENG ON)
Activate VN Turbo Open
Activate VSV for AICS
Activate VSV for Air Bleed Control
Activate VSV for Canister Control
Activate VSV for EGR Cut
Activate VSV for Evap Control
Activate VSV for Exhaust Brake
Activate VSV for Exhaust Shutter
Activate VSV for HCAC System
Activate VSV for Intake Air Control
Activate VSV for Intake Control
Activate VSV for Purge Cut

Activate VSV for Tank Bypass	Control Regulator Shut Valve	Injection Timing Select Cylinder
Activate VSV for Turbo Pressure	Control SCV Duty Ratio	Injection Timing Value
Activate VSV for Vent Valve	Control Select Cylinder Fuel Cut	Injection Volume
Activate VSV2 for Intake Control	Control Shift Position	Injector volume
Activate Water Flow Valve 3	Control Shift Position (4 speed)	Intake Air Control VSV
Activate Water Flow Valve 4	Control Shift Position (5 speed)	Intake Control VSV1
Activate Water Flow Valve 5	Control Shift Position (6 speed)	Intake Control VSV2
Activate Water Pump	Control SLS Pressure	Line Pressure Up Solenoid
Active Control Mount	Control Supercharger	Lock Up Solenoid
AICV VSV	Control Target Fuel Pressure	O/D Cut Solenoid
Air Bleed	Control the All Cylinders Fuel Cut(CNG)	Pilot Injection Volume
Auto Oil Supply System	Control the Injection Volume for A/F Sensor(CN	Pilot Injection Volume Select Cylinder
Automatic Oil Supply	Control the Injection Volume(CNG)	Pilot Injection Volume Value
Boost Pressure Control VSV	Control the Regulator Shut Valve	Prohibit Catalyst OT Misfire prevent F/C
Brake Ejector VSV Inspection	Control the Select Cylinder Fuel Cut(CNG)	Purge Cut VSV
C/D Control Solenoid	Control Voltage of Alternator	Purge Dilution Valve Duty Bank1
Canister Pressure Control VSV	Control VVT Linear (Bank1)	Purge Dilution Valve Duty Bank2
Check Cylinder Compression	Control VVT Linear (Bank2)	Purge VSV
Check Imbalance Cylinder #1	Control VVT System (Bank1)	SB Solenoid
Check Imbalance Cylinder #2	Control VVT System (Bank2)	SCV VSV
Check Imbalance Cylinder #3	Control VVT-iE Linear (Bank1)	Secondary Air VSV
Check Imbalance Cylinder #4	Control VVT-iE Linear (Bank2)	Shift
Check Imbalance Cylinder #5	Control VVTL System (Bank1)	Shift Position (4 speed)
Check Imbalance Cylinder #6	Control VVTL System (Bank2)	Shift Position (5 speed)
Check Imbalance Cylinder #7	D-4S (A/F Control)	Shift Position (6 speed)
Check Imbalance Cylinder #8	D-4S (Fuel Cut)	Slip Control Solenoid
Connect TC and TE1	D-4S (Injection Volume)	SLS Press
Control A/C Cut Signal	Diesel Throttle Target Angle	Stoichiometric Ratio Combustion
Control A/C Magnet Clutch	Diesel Throttle Target Angle #2	Stratified Charge Combustion
Control ACM Inhibit	EGR Step	Sub Fuel Tank VSV
Control All Cylinders Fuel Cut	EGR System	Supercharger Control Relay
Control Auto Oil Supply System	Emergency Solenoid Valve	Tank Pressure Bypass VSV
Control C/D	ETCS Open/Close Fast Speed	TE1(TC)
Control Cooling Fan	ETCS Open/Close Slow Speed	Test Fuel Leak
Control Cylinder Fuel Cut	Exhaust Bypass Valve	Test Turbo Charger Step Motor
Control Delivery Shut Valve	Exhaust Gas Control VSV	Test Turbo Charger Step Motor #2
Control EGR Step Position	Fan Motor	Timing Solenoid
Control EGR Step Position #2	FC IDL Prohibit	Vacuum Pump
Control EGR System	Fuel Cut Bank 2 for Idle	VALVEMATIC after Warm Up
Control Electric Cooling Fan	Fuel Press	VALVEMATIC before Warm Up
Control Fuel Pump / Speed	Fuel Pressure Relief Valve Open	VALVEMATIC(ENG OFF)
Control Fuel Pump Duty	Fuel Pressure Switching Valve	VALVEMATIC(ENG ON)
Control IAC Duty Ratio	Fuel Pressure Up VSV	Vapor Press VSV
Control Idle Fuel Cut Prohibit	Fuel Pump	Variable Intake VSV
Control Injection Timing #1	Fuel Pump Relay	Vent Valve
Control Injection Timing #2	Fuel Pump Speed Control	VSV for A/C Idle Up Control
Control Injection Timing #3	Fuel Pump2 Speed Control	VSV for Air Bleed Control
Control Injection Timing #4	Fuel Return Pipe Valve	VSV for Air Bypass Valve
Control Injection Timing #5	Fuel Route Switching Valve Relay	VSV for Canister Control
Control Injection Timing #6	Fuel Shutoff Valve for Delivery Pipe	VSV for EGR Cooler Bypass
Control Injection Timing #7	Fuel Shutoff Valve for Press Regulator	VSV for Exhaust Brake
Control Injection Timing #8	Fuel Vapor-Containment Valve	VSV for Exhaust Bypass Control
Control Injection Volume	HC Adsorber and Catalyst VSV	VSV for Exhaust Gas Control
Control Injection Volume for A/F Sensor	HCAC VSV Check	VSV for Exhaust Switching Valve
Control Injection Way	HICM System Check	VSV for Fuel Pressure Up Control
Control ISC Step Position	IAC Duty	VSV for Intake Air Control
Control ISC Value	IAC Step	VSV for Intake Control
Control Line Pressure Up	IACV Motor	VSV for Purge Control
Control Lock Up	Idle Up VSV	VSV for Secondary Air Control
Control O/D Cut	Injection Timing	VSV for Swirl Control Valve

VSV for Turbo Boost Control
 VSV for Variable Intake Control
 VSV2 for Intake Control
 VVT Control (Bank 1)
 VVT Control (Bank 2)
 VVT Exhaust Linear (Bank1)
 VVT Exhaust Linear (Bank2)
 VVTL Control (Bank 1)
 VVTL Control (Bank 2)

Engine2

Activate ACC Cut Relay
 Activate Air Pump Heater
 Activate Brake Ejector VSV
 Activate DPF Rejuvenate (PM)
 Activate DPF Rejuvenate (S)
 Activate EGR Valve Close
 Activate Electric Water Pump
 Activate Emergency Solenoid Valve
 Activate Fuel Filler Opener
 Activate Fuel Pressure Switching Valve
 Activate Fuel Pump Speed Control
 Activate Fuel Pump2 Speed Control
 Activate Fuel Return Pipe Valve
 Activate Fuel Route Switching Valve Relay
 Activate Fuel Vapor-Containment Valve
 Activate HCAC VSV
 Activate Intank Fuel Pump Relay
 Activate Lock Up
 Activate LPG Solenoid Valve
 Activate Return Solenoid Valve
 Activate Slip Control System
 Activate Solenoid (DS1)
 Activate Solenoid (DS2)
 Activate Solenoid (DSL)
 Activate Solenoid (DSU)
 Activate Solenoid (S1)
 Activate Solenoid (S2)
 Activate Solenoid (S3)
 Activate Solenoid (S4)
 Activate Solenoid (SB)
 Activate Solenoid (SL)
 Activate Solenoid (SL1)
 Activate Solenoid (SL2)
 Activate Solenoid (SL3)
 Activate Solenoid (SL4)
 Activate Solenoid (SL5)
 Activate Solenoid (SLC)
 Activate Solenoid (SLN)
 Activate Solenoid (SLS)
 Activate Solenoid (SLT)
 Activate Solenoid (SLU)
 Activate Solenoid (SR)
 Activate Solenoid (ST)
 Activate Solenoid(SC)
 Activate Solenoid(SLP)
 Activate Starter Relay
 Activate Vacuum Pump
 Activate VALVEMATIC after Warm Up
 Activate VALVEMATIC before Warm Up

Activate VALVEMATIC(ENG OFF)
 Activate VALVEMATIC(ENG ON)
 Activate VN Turbo Open
 Activate VSV for A/C Idle Up Control
 Activate VSV for AICS
 Activate VSV for Air Bleed Control
 Activate VSV for Canister Control
 Activate VSV for EGR Cooler Bypass
 Activate VSV for EGR Cut
 Activate VSV for Evap Control
 Activate VSV for Exhaust Brake
 Activate VSV for Exhaust Bypass Control
 Activate VSV for Exhaust Gas Control
 Activate VSV for Exhaust Shutter
 Activate VSV for Exhaust Switching Valve
 Activate VSV for Fuel Pressure Up Control
 Activate VSV for HCAC System
 Activate VSV for Intake Air Control
 Activate VSV for Intake Control
 Activate VSV for Purge Cut
 Activate VSV for Secondary Air Control
 Activate VSV for Swirl Control Valve
 Activate VSV for Tank Bypass
 Activate VSV for Turbo Boost Control
 Activate VSV for Turbo Pressure
 Activate VSV for Variable Intake Control
 Activate VSV for Vent Valve
 Activate VSV2 for Intake Control
 Activate Water Flow Valve 3
 Activate Water Flow Valve 4
 Activate Water Flow Valve 5
 Activate Water Pump
 Brake Ejector VSV Inspection
 Check Cylinder Compression
 Check Imbalance Cylinder #1
 Check Imbalance Cylinder #2
 Check Imbalance Cylinder #3
 Check Imbalance Cylinder #4
 Check Imbalance Cylinder #5
 Check Imbalance Cylinder #6
 Check Imbalance Cylinder #7
 Check Imbalance Cylinder #8
 Connect TC and TE1
 Control A/C Cut Signal
 Control A/C Magnet Clutch
 Control ACM Inhibit
 Control All Cylinders Fuel Cut
 Control Auto Oil Supply System
 Control C/D
 Control Delivery Shut Valve
 Control EGR Step Position
 Control EGR Step Position #2
 Control EGR System
 Control Electric Cooling Fan
 Control ETCS Open/Close Fast Speed
 Control ETCS Open/Close Slow Speed
 Control Fuel Pump / Speed
 Control Fuel Pump Duty
 Control IAC Duty Ratio
 Control Idle Fuel Cut Prohibit

Control Injection Timing #1
 Control Injection Timing #2
 Control Injection Timing #3
 Control Injection Timing #4
 Control Injection Timing #5
 Control Injection Timing #6
 Control Injection Timing #7
 Control Injection Timing #8
 Control Injection Volume
 Control Injection Way
 Control ISC Step Position
 Control Line Pressure Up
 Control Lock Up
 Control O/D Cut
 Control Purge Dilution Valve Duty Bank1
 Control Purge Dilution Valve Duty Bank2
 Control Regulator Shut Valve
 Control SCV Duty Ratio
 Control Select Cylinder Fuel Cut
 Control Shift Position
 Control Shift Position (4 speed)
 Control Shift Position (5 speed)
 Control Shift Position (6 speed)
 Control SLS Pressure
 Control Stoichiometric Ratio Combustion
 Control Stratified Charge Combustion
 Control Supercharger
 Control Target Fuel Pressure
 Control the All Cylinders Fuel Cut(CNG)
 Control the Injection Volume for A/F Sens
 Control the Injection Volume for A/F Sens
 Control the Injection Volume(CNG)
 Control the Regulator Shut Valve
 Control the Select Cylinder Fuel Cut(CNG)
 Control Voltage of Alternator
 Control VVT Exhaust Linear (Bank1)
 Control VVT Exhaust Linear (Bank2)
 Control VVT Linear (Bank1)
 Control VVT Linear (Bank2)
 Control VVT System (Bank1)
 Control VVT System (Bank2)
 Control VVT-iE Linear (Bank1)
 Control VVT-iE Linear (Bank2)
 Control VVTL System (Bank1)
 Control VVTL System (Bank2)
 Diesel Throttle Target Angle
 Diesel Throttle Target Angle #2
 Fuel Cut Bank 2 for Idle
 Fuel Pressure Relief Valve Open
 HCAC VSV Check
 HICM System Check
 Prohibit Catalyst OT Misfire prevent F/C
 Sub Fuel Tank VSV
 Test Fuel Leak
 Test Turbo Charger Step Motor
 Test Turbo Charger Step Motor #2

EV Battery
 CONT1
 CONT2

CONT3

Cooling Fan No.1 Operation

Cooling Fan No.1+2 Operation

PFAN

Regenerative solenoid (RLY) operation

Regenerative solenoid (SOLF) operation

Regenerative solenoid (SOLL) operation

Regenerative solenoid (SOLP) operation

Regenerative solenoid (SOLR) operation

Regenerative water pump operation

Gear Position Indicator Output

Motor Relay Control

Reduced Accumulator Pressure

SMT Warning Indicator Light Output

Target Clutch Control (Stroke Value)

Target Gear Position Control

Target Select Stroke Control

Target Shift Stroke Control

Warning Buzzer Output

FC

Connect TC and TE1

Fuel Cell Monitor Relay

Hydrogen Tank Shut Valve

FCHV

Connect TC and TE1

HV Battery

Battery Check

Cooling Fan High

Cooling Fan Low

Cooling Fan Mid

Cooling Fan Speed

Cooling Fan Stop

Driving Battery Cooling Fan

OFF Ave Cg Relay

Hybrid Control

Activate Oil Pump(1000rpm)

Activate Oil Pump(500rpm)

Activate solenoid (Line Pressure)

Activate Solenoid (SL1)

Activate Solenoid (SL2)

Activate the (Inverter) Water Pump

Activate Water Pump

Battery Charge

Compression Test

Connect TC and TE1

Control Shift Position

Cranking Request

Discharging Battery to Check Weak Cells

Driving Battery Cooling Fan

Forcible Stop of Inverter Drive

Inspection Mode

Inspection Mode -2WD Chassis-Dynamo

Inspection Mode -2WD Inspection

Inspection Mode -4WD Chassis-Dynamo

Inspection Mode -4WD Inspection

PWM Output Test

Solenoid (Line Pressure)

T/M Cooler Oil Pump

Plug-in Control (EV)

Quick Charge Negative Relay

Quick Charge Positive Relay

Sequential M/T

Clutch Solenoid Control

Toyota Body Actuators

Active Rear Wing

Manual SW Indicator
Wing and Deflector Extend/Fold
Wing Angle
Wing Extend
Wing Fold

AFS

AFS OFF Indicator
CHECK HEADLIGHT Indicator
Drive Leveling Motor
Drive Swivel Motor LH
Drive Swivel Motor RH

AFS / HL AutoLeveling / AHS

Advice Display
AFS Alarm Display
AFS OFF Indicator
AHS
Auto High Beam Control Indicator
Auto High Beam Warning Indicator
Automatic High Beam Operation
Drive Leveling Motor
Drive Swivel Motor LH
Drive Swivel Motor LH LEFT
Drive Swivel Motor RH
Drive Swivel Motor RH RIGHT
Extra High Beam
High Beam Indicator
High Beam LH
High Beam RH
Variable Shade Beam LH
Variable Shade Beam LH/RH
Variable Shade Beam RH

Air Conditioner

A/M Servo Pulse(F&R D)
A/M Servo Pulse(F&R P)
A/O Servo Pulse(F&R D)
A/O Servo Pulse(F&R P)
A/O Servo Pulse(Rr D)
A/O Servo Pulse(Rr P)
Actuator Check
Air Inlet Damper Position (Linear)
Air Inlet Damper Targ Pulse
Air Mix Damper (D Side)
Air Mix Damper (D)
Air Mix Damper (P Side)
Air Mix Damper (P)
Air Mix Damper (Rear)
Air Mix Servo Targ Pulse(D)
Air Mix Servo Targ Pulse(P)
Air Mix Servomotor Step (D Side)
Air Mix Servomotor Step (P Side)
Air Outlet Damper

Air Outlet Damper Position (D Side)
Air Outlet Damper Position (P Side)
Air Outlet Damper Position (Rear)
Air Outlet Servo Pulse (D)
Air Outlet Servo Pulse (P)
Air Outlet Servomotor Step (D Side)
Air Outlet Servomotor Step (P Side)
Air Purifier Mode
Air Purifier(Clean)
Air Purifier(Ion)
Ambient Temp Sensor(C)
Ambient Temp Sensor(F)
Assist Fan
Auto Switch
Batt Cool Down Servo Targ Pls
Battery Magnetic Valve
Blower Motor
Blower Motor (Rear)
Compressor Target Speed
Cool A/M Servo Pulse(D)
Cool A/M Servo Pulse(P)
Cool Air Bypass Damper (D Side)
Cool Air Bypass Damper (P Side)
Cool Air Bypass Pls(P)
Cool Air Bypass Pulse
DEF A/O Servo Pulse(D)
Defogger Relay (Rear)
Defogger Switch (Rear)
Dehumidification Magnetic Valve
Deicer Relay (Front)
Diffuse Pulse(R)
Electric Heater1
Electric Heater2
Electric Heater3
Electric Water Heater
Electrical Fan
Emission Pulse(R)
Engine Coolant Temp Sensor(C)
Engine Coolant Temp Sensor(F)
Evaporator Magnetic Valve
Exhaust Damper Position (Rear)
Face A/O Servo Pulse(D)
Face A/O Servo Pulse(P)
Foot A/O Servo Pulse(D)
Foot A/O Servo Pulse(P)
Heat Exchange Shut Valve
Heater Active Level
Heating Three-way Valve
High Pressure Magnetic Valve
Hot A/M Servo Pulse(D)
Hot A/M Servo Pulse(P)
HWD Relay
Inside and Outside Change
Ion Generator
Low Pressure Magnetic Valve
M/H Bypass Cool Servo Pls

M/H Bypass Hot Servo Pls
Magnetic Clutch Relay
Magnetic Valve Operation
Mirror Heater Relay
Oxygen Drive
Rear A/C Mag Valve
Rear A/M Servo Pulse(P)
Rear Air Mix Servo Targ Pulse
Rear Blower Motor
Room Temp Sensor(C)
Room Temp Sensor(F)
Solar Sensor
Viscous Heater
Water Pump

ASC

Sound

Back Door

Backup Light
Courtesy SW Signal
Door Lock
Latch Release
License Light
PBD Buzzer
PBD Close SW Light
PBD Clutch
PBD Motor
PBD Open/Close
Power Window
Rear Wiper

Back Door P/W

Back Door Power Window
Luggage Compartment Light
Rear Wiper Active

Body

All Courtesy Output
Door Lock
Driver Buckle Light Output
Front Fog Light Relay
Hazard
Headlight Relay
Illuminated Entry System
Key Remainder Buzzer
Passenger Buckle Light Output
Rear Buckle Light Output
Rear Fog Light Relay
Rear Washer Relay Operation
Rheostat Operation
RL Power Window Up/Down
RR Power Window Up/Down
Security Horn
Security Indicator
Taillight Relay

Trunk and back-door open
Turn Light LH Relay Operation
Turn Light RH Relay Operation
Vehicle Horn
Wiper Angle Control
Wiper Motor
Wiper Motor Hi
Wiper Motor Lo
Wireless Buzzer
Wireless Buzzer (continuous sound)

Body / Gateway

Center Console Light Operation
Dimmer Signal
Doom Relay Cut
Door Lock
Driver Buckle Light Output
Front Fog Light Relay
Hazard
Head Light Cleaner
Head Light Hi
Headlight Relay
IG OFF P/W Control Permission Output
Illuminated Entry System
Interior Panel Relay
Intrusion Sensor Power
Key Remainder Buzzer
Map and Courtesy Light
Open Door Warning Light
Other ECU Power Cut
Passenger Buckle Light Output
Passenger Power Window Up/Down
Rear Buckle Light Output
Rear Defogger
Rear Fog Light Relay
Rear Room Light
Rear Washer Relay Operation
Rear Wiper Motor
Relay of DRL
Rheostat Cancel Operation
RL Power Window Up/Down
RR Power Window Up/Down
Scuff Plate Light
Security Horn
Security Horn2
Security Indicator
Shift R Sign
Shock Detection Unlock
Shoulder Belt Up/Down
Step Light Operation
Taillight Relay
Trunk and Back-Door Open
Turn Light LH Relay Operation
Turn Light RH Relay Operation
Vehicle Horn
Wiper Angle Control
Wiper Motor
Wiper Motor Hi
Wiper Motor Lo
Wireless Buzzer

Wireless Buzzer (Continuous Sound)

Body No.2

All Courtesy Output
Center Console Light Operation
Dimmer Signal
Doom Relay Cut
Door Lock
Driver Buckle Light Output
Front Fog Light Relay
Hazard
Head Light Cleaner
Head Light Hi
Headlight Relay
IG OFF P/W Control Permission Output
Illuminated Entry System
Interior Panel Relay
Intrusion Sensor Power
Key Remainder Buzzer
Open Door Warning Light
Other ECU Power Cut
Passenger Buckle Light Output
Passenger Power Window Up/Down
Rear Buckle Light Output
Rear Defogger
Rear Fog Light Relay
Rear Room Light
Rear Washer Relay Operation
Rear Wiper Motor
Relay of DRL
Rheostat Cancel Operation
Rheostat Operation
RL Power Window Up/Down
RR Power Window Up/Down
Scuff Plate Light
Security Horn
Security Indicator
Shift R Sign
Shock Detection Unlock
Shoulder Belt Up/Down
Step Light Operation
Taillight Relay
Trunk and back-door open
Turn Light LH Relay Operation
Turn Light RH Relay Operation
Vehicle Horn
Wiper Angle Control
Wiper Motor
Wiper Motor Hi
Wiper Motor Lo
Wireless Buzzer
Wireless Buzzer (Continuous Sound)

Body No.3

Alter L signal output
Backup Light
Buckle Light 1
Center Console Light Operation
Clearance Light Operation
Deck Light

Exterior Foot Light Operation
Front Fog Light Relay
Front Room Light
Fuel Lid Open
Heater Relay
High Mount Stop Light
Horn Relay Operation
Interior Light (Dim) Operation
Interior Light Operation
Interior Panel Relay
License Light
Light Head (High)
Light Head (Low)
Light Head HI DRL Operation
Luggage Light Control
Rear Defogger
Rear Fog Light
Rear Room Light
Rear Room Light LH
Rear Room Light RH
Rear Sunshade Operation
Reverse Signal Control
Seat Light Operation
Shift Light Operation
Shoulder Anchor Operation
Steering Light Operation
Step Light Operation
Stop Light
Tail Light
Trunk Lid Open
Turn Light LH
Turn Light RH
Washer Motor Operation
Wiper Angle Control
Wiper Motor HI
Wiper Motor LO

Body No.4

Alter L signal output
Backup Light
Buckle Light 1
Center Console Light Operation
Clearance Light Operation
Deck Light
Driver Side Buckle Light
Driver Side Shoulder Anchor
Front Fog Light Relay
Front Passenger Side Buckle Light
Front Passenger Side Shoulder Anchor
Front Room Light
Front Washer Nozzle Heater
Fuel Lid Open
Heater Relay
High Mount Stop Light
Horn Relay Operation
Illuminated Entry System
Inside Handle Illumination
Interior Panel Relay
License Light
Light Head (High)

Light Head (Low)
 Light Head HI DRL Operation
 Luggage Light Control
 Rear A/C Magnetic Valve
 Rear Defogger
 Rear Fog Light
 Rear Room Light
 Rear Room Light LH
 Rear Room Light RH
 Rear Step Light
 Rear Sunshade Operation
 Rear Wiper Lo
 Reverse Signal Control
 Seat Light Operation
 Shift Light Operation
 Shoulder Anchor Operation
 Steering Light Operation
 Step Light Operation
 Stop Light
 Tail Gate Panel Open
 Tail Light
 Trunk Lid Open
 Turn Light LH
 Turn Light RH
 Washer Motor Operation
 Wiper Angle Control
 Wiper Motor HI
 Wiper Motor LO

Body No.5

Alter L signal output
 Backup Light
 Buckle Light 1
 Center Console Light Operation
 Clearance Light Operation
 Deck Light
 Front Fog Light Relay
 Front Room Light
 Fuel Lid Open
 Head Light Cleaner
 Head Light HI DRL Operation
 Head Light High
 Head Light Low
 Heater Relay
 High Mount Stop Light
 Horn Relay Operation
 Interior Panel Relay
 License Light
 Light Head (High)
 Light Head (Low)
 Light Head HI DRL Operation
 Luggage Light Control
 Rear Defogger
 Rear Defogger Operation
 Rear Fog Light
 Rear Room Light
 Rear Room Light LH
 Rear Room Light RH
 Reverse Signal Control
 Seat Light Operation

Security Horn
 Shift Light Operation
 Shoulder Anchor Operation
 Steering Light Operation
 Step Light Operation
 Stop Light
 Tail Light
 Trunk Lid Open
 Turn Light LH
 Turn Light RH
 Washer Motor Operation
 Wiper Angle Control
 Wiper Deicer
 Wiper Motor HI
 Wiper Motor LO
 Wireless Buzzer (Continuous Sound)

Center Console Switch

Night Lighting
 Rear Seat A/C Indicator Full
 Rear Seat A/C Indicator Reduced

Charging Control

Control Voltage of Alternator

Clearance Sonar

Front Buzzer
 Rear Buzzer

Combination Meter

4WD Warning Indicator
 A/T Indicator Operation
 A/T Indicator Operation 1
 A/T Indicator Operation 2
 A/T Indicator Operation 3
 A/T Oil Temperature Operation
 ACTIVE TRC Indicator
 ACTIVE TRC Warning Indicator
 Air Conditioner Auto Indicator
 Air Suspension (HI) Indicator
 Air Suspension (LO) Indicator
 Air Suspension (N) Indicator
 ASL Warning Indicator
 Automatic High Beam Indicator
 Auxs Battery Charge Warning
 Blind Spot Monitor Indicator
 Brake Override Indicator
 BSM Control Indicator
 Charge Warning Indicator
 Charging Indicator
 Check Engine Indicator
 Circuit Mode Indicator
 CNG Mode Indicator
 Coolant Temp LCD
 CRAWL Warning Indicator
 Cruise Indicator
 Daytime Running Lights OFF Indicator
 Diesel Particulate Filter Warning
 Drift From Lane
 Driver Side Door Open

Driver Side Seat Belt
 Engine(HV E/G Nonstop Mode)
 EPB Auto OFF Indicator
 EV Mode Indicator
 EV System Indicator
 Front Passenger Side Door Open
 Front Passenger Side Seat Belt
 Front Passenger Side SeatBelt
 Fuel Consumption Meter Operation
 Fuel Filter Indicator
 Fuel Indicator (CNG)
 Fuel Meter Operation
 Fuel Meter Operation (CNG)
 Go to Dealer Indicator
 Head Up Display Indicator
 HV System Certification Mode Indicator
 HV System Indicator
 HV Unit Hot Warning Indicator
 Hybrid System Warning
 ICS OFF Indicator
 Indicat ECD ON
 Indicat GLOW
 Indicat. 2nd START
 Indicat. 4LO
 Indicat. 4WD
 Indicat. 4WD AUTO
 Indicat. 4WD Lock
 Indicat. A/T P
 Indicat. A/T Shift LCD
 Indicat. AFS
 Indicat. ASL
 Indicat. Auto LSD
 Indicat. Brake Hold
 Indicat. Clearance Sonar LCD
 Indicat. Compass Display
 Indicat. CRAWL
 Indicat. Ctr DIFF LOCK
 Indicat. DABS
 Indicat. Downhill Assist Control
 Indicat. ECB
 Indicat. ECO
 Indicat. ECO MODE
 Indicat. ECONO
 Indicat. EPS
 Indicat. EV Mode
 Indicat. Headlamp Auto Leveling
 Indicat. Height High
 Indicat. Hold
 Indicat. INTUITIVE P/A LCD
 Indicat. KEY
 Indicat. Lamp ABS
 Indicat. Lamp Airbag
 Indicat. Lamp ARS
 Indicat. Lamp Back Door Open
 Indicat. Lamp Beam
 Indicat. Lamp Brake
 Indicat. Lamp Coolant Cool
 Indicat. Lamp Coolant Hot
 Indicat. Lamp Cruise

Indicat. Lamp Door
 Indicat. Lamp Doors All Open
 Indicat. Lamp ECB
 Indicat. Lamp ECONO
 Indicat. Lamp ECT PWR
 Indicat. Lamp ECT SNOW
 Indicat. Lamp Engine
 Indicat. Lamp Exhaust Temp
 Indicat. Lamp Fr FOG
 Indicat. Lamp Fuel
 Indicat. Lamp Head
 Indicat. Lamp Headlamp Auto Level
 Indicat. Lamp Hood Door Open
 Indicat. Lamp L-Cruise Check
 Indicat. Lamp L-Cruise Ready
 Indicat. Lamp Luggage Door Open
 Indicat. Lamp O/D OFF
 Indicat. Lamp Oil
 Indicat. Lamp Oil Level
 Indicat. Lamp Rr FOG
 Indicat. Lamp Rr Light
 Indicat. Lamp Slip
 Indicat. Lamp T.C. Oil Temperature
 Indicat. Lamp Tail
 Indicat. Lamp TRAC(TRC) OFF
 Indicat. Lamp Turn L
 Indicat. Lamp Turn R
 Indicat. Lamp VSC
 Indicat. Lamp VSC OFF
 Indicat. Lamp Washer
 Indicat. Lamp Water Level
 Indicat. Laser Cruise Display
 Indicat. Lithium Charge
 Indicat. Main Battery(HV)
 Indicat. MMT E Mode
 Indicat. MMT M Mode
 Indicat. Navi CVT
 Indicat. Night View
 Indicat. ODO/TRIP Display
 Indicat. Oil Pressure
 Indicat. Over Speed
 Indicat. Park
 Indicat. Precrash
 Indicat. Rader Cruise
 Indicat. Ready (EV)
 Indicat. Ready (HV)
 Indicat. Rear Door LH Open
 Indicat. Rear Door RH Open
 Indicat. Ride Mode
 Indicat. Rr DIFF LOCK
 Indicat. SET
 Indicat. SIL
 Indicat. SIL (Down)
 Indicat. SIL (Up)
 Indicat. SMART KEY
 Indicat. Sport(CVT Sport)
 Indicat. Tail Cancel
 Indicat. TEMS Comfort
 Indicat. TEMS Sports
 Indicat. Timing Belt

Indicat. Tire Pressure Warning System
 Indicat. VSC OFF
 Indicator. VGRS
 KDSS Indicator
 Key Remained Buzzer
 Laser Cruise at Constant-Speed
 LDA Control Indicator
 LDA Control Indicator (Left)
 LDA Control Indicator (Right)
 LDA Warning Indicator
 LDA Warning Indicator (Left)
 LDA Warning Indicator (Right)
 LED Head Lamp Warning
 Light Remained Buzzer
 Limited Power Indicator
 Lithium Battery Check Indicator
 Lithium Battery Hot Indicator
 Luggage Mode Indicator
 Maintenance Indicator
 Maintenance Required
 Master Warning
 Meter Display 1
 Meter Display 2
 Multi-Display
 O/D OFF Indicator
 OFF Road Guidance Indicator
 Oil Pressure Meter Operation
 P Range Indicator
 Power Meter Operation
 PPS Indicator
 Radar Cruise Indicator
 Radar Cruise Ready Indicator
 Ready Buzzer
 Rear Seat Belt
 Reverse Buzzer
 Rr Inner Wheel Control Indicator
 Rr Inner Wheel Control Warning
 Seat Belt Buzzer
 Seatbelt Information Indicator
 Shift-by-wire Warning
 Smart System Indicator
 Smart System Warning
 SOC Gauge
 SOC Warning Indicator
 Speed Buzzer
 Speed Meter Operation
 Speedometer LCD
 Sports Shift Reject Buzzer
 Stop and Start OFF Indicator
 Stop and Start ON Indicator
 TachoMeter Operation
 Tail OFF Indicator
 Turn Signal (Left) Indicator
 Turn Signal (Right) Indicator
 Vehicle Approach Warning OFF Indicator
 Volt Meter Operation
 VSC TRC Indicator
 Warning Buzzer
 Water Temperature Meter Operation

D-Door Motor

Power Window

Driver Door

Ashtray Light
 Courtesy Lamp
 Door Lock
 Double Lock Unset
 Foot Light
 Inside Handle Illumination
 Memory Cancel Lamp
 Mirror Fold/Return
 Mirror Heater
 Mirror Right/Left
 Mirror Up/Down
 P Manual SW LED
 Power Window
 PSD Buzzer
 PSD Clutch
 PSD Motor
 Release Actuator

Driver Seat

Buzzer
 Cushion Length
 Front Vertical Operation
 Headrest Operation
 Lifter Operation
 Lumbar Lift
 Lumbar Slide
 Pelvis Support Operation
 Rear Seat Lumbar Adjustment
 Seat Reclining
 Seat Slide Operation
 Side Support Operation

Driver Seat Switch

2nd Gear Start Switch Activation
 BSM Switch Indicator (Daytime)
 BSM Switch Indicator (Night/ Moving)
 BSM Switch Indicator (Night/ Stopped)
 Clearance Sonar Indicator (Daytime)
 Clearance Sonar Indicator (Night Running)
 Clearance Sonar Indicator (Night Stopping)
 Clearance Sonar Switch Activation
 Mirror Auto Indicator (Daytime)
 Mirror Auto Indicator (Night Running)
 Mirror Auto Indicator (Night Stopping)
 Night Lighting
 Off-road 1 Indicator (Daytime)
 Off-road 1 Indicator (Nighttime)
 Off-road 2 Indicator (Daytime)
 Off-road 2 Indicator (Nighttime)
 Off-road 3 Indicator (Daytime)
 Off-road 3 Indicator (Nighttime)
 Off-road 4 Indicator (Daytime)
 Off-road 4 Indicator (Nighttime)
 Off-road Switch Light

Electric Power Control

Activate Power Cut Relay
Limit Load Level
Request to Limit Air Suspension
Request to Limit EPS

Entry And Start

Back Door Select
DR-Seat Outside Transmitter
Dr-Seat Select
D-Seat Outside Transmitter
D-Seat Select
Fr-Seat Inside Transmitter
Immobiliser Indicator
Inside Luggage Tuner Power Supply ON
Inside Trunk/Backdoor Transmitter
Multi Channel SW
Outside Trunk/Backdoor Transmitter
Overhead Tuner Power Supply ON
Power for BDoor Sens
Power for DR-Seat Sens
Power for D-Seat Sens
Power For Intrusion Sensor
Power for PR-Seat Sens
Power for P-Seat Sens
Power For Tilt Sensor
Power SW Light
Power/Engine SW Light
PR-Seat Outside Transmitter
Pr-Seat Select
P-Seat Outside Transmitter
P-Seat Select
Rr-Seat Inside Transmitter
Security Horn
Security Horn2
Security Indicator
Tail Light
Wireless Buzzer Operation

Front Left Seat A/C

Airflow
Cool air
Seat Heater Target Temperature
Warm air

Front Right Seat A/C

Airflow
Cool air
Seat Heater Target Temperature
Warm air

Gateway

Center Console Light Operation
Dimmer Signal
Doom Relay Cut
Door Lock
Driver Buckle Light Output
Front Fog Light Relay
Hazard

Head Light Cleaner
Head Light Hi
Headlight Relay
IG OFF P/W Control Permission Output
Illuminated Entry System
Interior Panel Relay
Intrusion Sensor Power
Key Remainder Buzzer
Open Door Warning Light
Other ECU Power Cut
Passenger Buckle Light Output
Passenger Power Window Up/Down
Rear Buckle Light Output
Rear Defogger
Rear Fog Light Relay
Rear Room Light
Rear Washer Relay Operation
Rear Wiper Motor
Relay of DRL
Rheostat Cancel Operation
RL Power Window Up/Down
RR Power Window Up/Down
Scuff Plate Light
Security Horn
Security Indicator
Shift R Sign
Shock Detection Unlock
Shoulder Belt Up/Down
Step Light Operation
Taillight Relay
Trunk and Back-Door Open
Turn Light LH Relay Operation
Turn Light RH Relay Operation
Vehicle Horn
Wiper Angle Control
Wiper Motor
Wiper Motor Hi
Wiper Motor Lo
Wireless Buzzer
Wireless Buzzer (Continuous Sound)

Gateway BEAN

Center Console Light Operation
Dimmer Signal
Doom Relay Cut
Door Lock
Driver Buckle Light Output
Front Fog Light Relay
Hazard
Head Light Cleaner
Head Light Hi
Headlight Relay
IG OFF P/W Control Permission Output
Illuminated Entry System
Interior Panel Relay
Intrusion Sensor Power
Key Remainder Buzzer
Open Door Warning Light
Other ECU Power Cut
Passenger Buckle Light Output

Passenger Power Window Up/Down
Rear Buckle Light Output
Rear Defogger
Rear Fog Light Relay
Rear Room Light
Rear Washer Relay Operation
Rear Wiper Motor
Relay of DRL
Rheostat Cancel Operation
RL Power Window Up/Down
RR Power Window Up/Down
Scuff Plate Light
Security Horn
Security Indicator
Shift R Sign
Shock Detection Unlock
Shoulder Belt Up/Down
Step Light Operation
Taillight Relay
Trunk and Back-Door Open
Turn Light LH Relay Operation
Turn Light RH Relay Operation
Vehicle Horn
Wiper Angle Control
Wiper Motor
Wiper Motor Hi
Wiper Motor Lo
Wireless Buzzer
Wireless Buzzer (Continuous Sound)

HL AutoLeveling

Clearance Light
Cornering Light
Daytime Running Light
Drive Leveling Motor
Front Fog Light
Headlight High Beam
Headlight Low Beam
Left Turn Signal Light
Right Turn Signal Light

Immobiliser

Antenna Coil Power
Security Indicator

Immobiliser / Steering Lock

Break Cable Warning
Meter Buzzer
Meter Chime
Meter Chime Continuously
Not P-position Warning
Security Indicator
Stuck Steering Warning
Unmatch Key Warning

Intuitive P/A

Buzzer
Front Buzzer
Front/Rear Buzzer
Rear Buzzer

Main Body

Advanced Illumination System
Automatic High Beam Operation
Cargo Light
Ceiling Light
Cent Consol Spot LGT
Day/Night Time Signal
Daytime Running Light
D-Door Unlock
Dimmer Signal
Door Lock
Door Lock/Unlock Status Lamp
Door Open/Close State
Double Lock Set
Double Lock Unset
Driver Courtesy Lamp
Foot Light (FR)
Front Fog Light Relay
Fuel Lid Lock
Fuel Lid Opener
Glass Hatch Open
Hazard
Head Light Cleaner
Head Light Hi
Headlight Relay
IG OFF P/W Control Permission Output
Illuminated Entry System
Indicator Condition
Indicator for Lighting
Inside Handle Illumination
Interior Illumination Light1
Interior Illumination Light2
Interior Panel Relay
Key Ring Light
LH Courtesy Light
LH Mirror Right/Left
LH Mirror Up/Down
Light Relay
Mirror Fold
Mirror Heater
Mirror Return
P Supply for Steering Lock
Passenger Courtesy Lamp
Power For Intrusion Sensor
Power For Intrusion Sensor2
Power For Tilt Sensor
Power Running Board Forced Retracting
Rear Defogger
Rear Fog Light Relay
Rear personal light
Rear Wiper Power Supply
Rear Wiper Washer Motor Relay
Relay for Interior Light Auto Cut Function
Reverse Gear Signal
RH Courtesy Light
RH Mirror Right/Left
RH Mirror Up/Down
Security Horn
Security Horn2

Security Indicator

Shift Lock
Shock Detection Unlock
Side Mirror Foot Light
Step Light
Taillight Relay
Trunk and Back-Door Open
Turn Light LH Relay Operation
Turn Light RH Relay Operation
Vehicle Horn
Wireless Buzzer

Master Switch

Driver Side Power Window
Passenger Side Power Window
Rear Power Window LH
Rear Power Window RH

Meter

A/T Indicator Operation 1
A/T Indicator Operation 2
A/T Indicator Operation 3
A/T Oil Temperature Operation
Check Engine Warning
Cruise Warning
Driver Side Door Open
Driver Side Seat Belt
Front Passenger Side Door Open
Front Passenger Side Seat Belt
Fuel Meter Operation
Indicat. ECONO
Indicat. EPS
Indicat. KEY
Indicat. Lamp ABS
Indicat. Lamp Airbag
Indicat. Lamp Beam
Indicat. Lamp Brake
Indicat. Lamp Cruise
Indicat. Lamp Doors All Open
Indicat. Lamp ECT SNOW
Indicat. Lamp Fr FOG
Indicat. Lamp Fuel
Indicat. Lamp Rr FOG
Indicat. Lamp Slip
Indicat. Lamp Tail
Indicat. Lamp VSC
Indicat. SET
Indicat. SIL (Down)
Indicat. SIL (Up)
Indicat. Tire Pressure Warning System
Indicat. VSC OFF
Meter Display 1
Meter Display 2
Smart System Indicator
Smart System Warning
Speed Meter Operation
SPORT Indicator
TachoMeter Operation
VSC TRC Indicator
Water Temperature Meter Operation

Mirror / Driver Door

Courtesy Light
Door Lock
Double Lock Unset
Foot Light
Inside Handle Illumination
LH Mirror Right/Left
LH Mirror Up/Down
Mirror Fold
Mirror Heater
Mirror Return
Mirror Right/Left
Mirror Up/Down
RH Mirror Right/Left
RH Mirror Up/Down
Seat Memory Light

Mirror L

Foot Light
Mirror Fold/Return
Mirror Heater
Mirror Right/Left
Mirror Up/Down

Mirror L/Front Left Door

Ashtray Light
Courtesy Light
Foot Light
Inside Handle Light
Interior Illumination Light
Mirror Fold/Return
Mirror Heater
Mirror Right/Left
Mirror Up/Down
Power Window SW LED

Mirror R

D Foot Light
D Mirror Fold/Return
D Mirror Heater
D Mirror Right/Left
D Mirror Up/Down
Foot Light
Mirror Fold/Return
Mirror Heater
Mirror Right/Left
Mirror Up/Down
P Foot Light
P Mirror Fold/Return
P Mirror Heater
P Mirror Right/Left
P Mirror Up/Down

Mirror R/Front Right Door

Ashtray Light
Courtesy Light
Foot Light
Inside Handle Light
Interior Illumination Light

Mirror Fold/Return
Mirror Heater
Mirror Right/Left
Mirror Up/Down
Power Window SW LED

Mirror-R

D Foot Light
D Mirror Fold/Return
D Mirror Heater
D Mirror Right/Left
D Mirror Up/Down
Foot Light
Mirror Fold/Return
Mirror Heater
Mirror Right/Left
Mirror Up/Down
P Foot Light
P Mirror Fold/Return
P Mirror Heater
P Mirror Right/Left
P Mirror Up/Down

Night View

Display Warning
IR Floodlight
Night View Indicator
Night View System Operation

P Master Switch

Passenger Side Power Window

Passenger Door

Ashtray Light
Courtesy Lamp
Courtesy Light
Door Lock
Double lock unset
Foot Light
Inside Handle Illumination
Memory Cancel Lamp
Mirror Fold
Mirror Fold/Return
Mirror Heater
Mirror Return
Mirror Right/Left
Mirror Up/Down
P Manual SW LED
Power Window
PSD Buzzer
PSD Clutch
PSD Motor
Release Actuator
Seat Memory Light

Passenger Seat

Buzzer
Cushion Length
Front Vertical Operation
Headrest Operation

Lifter Operation
Lumbar Slide
Ottoman
Pelvis Support Operation
Rear Seat Lumbar Adjustment
Seat Reclining
Seat Slide Operation
Side Support Operation

P-Door Motor

Power Window

Power Source Control

IGP Signal
Indicator Condition
Indicator for Lighting
Key Lock
P Supply for Steering Lock

Pre-Collision

Driver and Passenger Seat Belt Motor
Driver Seat Belt Motor
Passenger Seat Belt Motor
Seat Belt Motor Backwards Operation

Pre-Crash

Driver and Passenger Seat Belt Motor
Driver Seat Belt Motor
Passenger Seat Belt Motor

Pre-Crash 2

Face Direction Check
Infrared Signal Status
LKA Lane Out Alarm Buzzer
PCS Approach Alarm Buzzer
PCS Crash Alarm Buzzer
Radar Cruise Approach Alarm Buzzer
Radar Cruise Stop Buzzer

Rear Console Switch

Audio / Heater IG
Audio / Heater Power Supply
Night Lighting
R/L Selection SW Left Indicator Full
R/L Selection SW Left Indicator Red
R/L Selection SW Right Indicator Full
R/L Selection SW Right Indicator Red
Rear Left Seat A/C Auto Indicator Full
Rear Left Seat A/C Auto Indicator Red
Rear Left Seat A/C Indicator Full
Rear Left Seat A/C Indicator Red
Rear Left Seat A/C Level Indicator Full
Rear Left Seat A/C Level Indicator Red
Rear Right Seat A/C Auto Indicator Full
Rear Right Seat A/C Auto Indicator Red
Rear Right Seat A/C Indicator Full
Rear Right Seat A/C Indicator Red
Rear Right Seat A/C Level Indicator Full
Rear Right Seat A/C Level Indicator Red

Rear Left Door

Ashtray Light
Courtesy Lamp
Courtesy Light
Door Lock
Double Lock Unset
Foot Light
Inside Handle Illumination
Memory Cancel Lamp
Memory Cancel Light
Mirror Fold/Return
Mirror Heater
Mirror Right/Left
Mirror Up/Down
P Manual SW LED
Power Window
PSD Buzzer
PSD Close
PSD Clutch
PSD Motor
PSD Open
PSD Open Signal
Rear Door Sunshade Down
Rear Door Sunshade Up
Release Actuator
Seat Memory Light

Rear Left Seat

Buzzer
Headrest Operation
Ottoman
Rear Seat Lumbar Adjustment
Refreshing ECU
Seat Reclining
Seat Slide Operation

Rear Left Seat A/C

Airflow
Cool air
Seat Heater Target Temperature
Warm air

Rear Right Door

Ashtray Light
Courtesy Lamp
Courtesy Light
Door Lock
Double Lock Unset
Foot Light
Inside Handle Illumination
Memory Cancel Lamp
Memory Cancel Light
Mirror Fold/Return
Mirror Heater
Mirror Right/Left
Mirror Up/Down
P Manual SW LED
Power Window
PSD Buzzer

PSD Close

PSD Clutch

PSD Motor

PSD Open

PSD Open Signal

Rear Door Sunshade Down

Rear Door Sunshade Up

Release Actuator

Seat Memory Light

Rear Right Seat

Buzzer

Headrest Operation

Ottoman

Rear Seat Lumbar Adjustment

Refreshing ECU

Seat Reclining

Seat Slide Operation

Rear Right Seat A/C

Airflow

Cool air

Seat Heater Target Temperature

Warm air

Retractable Hardtop

Luggage Closer Close/Rtn Ini Pos

RL-Door Motor

Power Window

RR-Door Motor

Power Window

Sliding Roof

Slide Roof

Smart Access

Back Door Select

Dr-Seat Outside Transmitter

Dr-Seat Select

D-Seat Outside Transmitter

D-Seat Select

Fr-Seat Inside Transmitter

Inside Luggage Tuner Power Supply On

Inside Trunk/Backdoor Transmitter

Outside Trunk/Backdoor Transmitter

Overhead Tuner Power Supply On

Pr-Seat Outside Transmitter

Pr-Seat Select

P-Seat Outside Transmitter

P-Seat Select

Rr-Seat Inside Transmitter

Security indicator

Wireless Buzzer

Smart Key

Back Door Select

Dr-Seat Outside Transmitter

Dr-Seat Select

D-Seat Outside Transmitter

D-Seat Select

Fr-Seat Inside Transmitter

Inside Luggage Tuner Power Supply On

Inside Trunk/Backdoor Transmitter

Outside Trunk/Backdoor Transmitter

Overhead Tuner Power Supply On

Pr-Seat Outside Transmitter

Pr-Seat Select

P-Seat Outside Transmitter

P-Seat Select

Rr-Seat Inside Transmitter

Security indicator

Wireless Buzzer

Starting Control

Activate ACC Cut Relay

Activate Starter Relay

Steering Lock

Break Cable Warning

Meter Buzzer

Meter Chime

Meter Chime Continuously

Not P-position Warning

Security Indicator

Stuck Steering Warning

Unmatch Key Warning

Theft Deterrent System

Buzzer For Accessory Output

Buzzer Response Sound

D Transmitter

Dr Transmitter

Fr Transmitter

Front Fog Light Relay

Hazard Lamp

Headlight Relay

In Luggage Transmitter

Inside Luggage Tuner

Key Remained Buzzer

Luggage Transmitter

Over Head Tuner

P Transmitter

Pager For Accessory Output

Power For Intrusion Sensor

Power For Intrusion Sensor2

Power For Tilt Sensor

Pr Transmitter

Rr Transmitter

Security Horn

Security Horn2

Security Indicator

Smart Indicator

Tail Light

Taillight Relay

Trunk Lid Open

Vehicle Horn

Tilt And Telescopic

Seat Belt Anchor Operation

Telesco Operation

Tilt Operation

Wiper

Washer Motor Operation

Wiper Motor Hi

Wiper Motor Lo

Toyota Chassis Actuators

ABS/VSC/TRAC

4WD Warning Light
ABS Motor Relay
ABS Solenoid (SFLH)
ABS Solenoid (SFLR & SFLH)
ABS Solenoid (SFLR)
ABS Solenoid (SFRH & SFLH)
ABS Solenoid (SFRH)
ABS Solenoid (SFRR & SFRH)
ABS Solenoid (SFRR)
ABS Solenoid (SRLH)
ABS Solenoid (SRLR & SRLH)
ABS Solenoid (SRLR)
ABS Solenoid (SRRH)
ABS Solenoid (SRRR & SRRH)
ABS Solenoid (SRRR)
ABS Warning Light
Accumulator Zero Down
Actuator Air Bleeding Pattern
ARS Warning Light
Brake Warning Light
Drain System Air Bleeding Pattern
ECB Indicator Light
ECB Invalid
ECB Main Relay1
ECB Main Relay2
ES Start Buzzer
ES Start Light
Exhaust Brake Cut Relay
H/B Motor Relay
Master Cut Valve1
Master Cut Valve2
Motor Relay1
Motor Relay2
Power Supply Air Bleeding Pattern1
Power Supply Air Bleeding Pattern2
PPS Solenoid
Pre-Charge Pump
Pump Check Pattern
RL Wheel Air Bleeding Pattern
RR Wheel Air Bleeding Pattern
Slip Indicator Light
Solenoid (SLA)
Solenoid (SLR)
Solenoid Relay
Stop Light Relay
Stroke Simulator Cut Valve Pattern
Sub-Throttle
TRC Motor Relay
TRC Solenoid (SA1 & SA2)
TRC Solenoid (SA1)
TRC Solenoid (SA2)
TRC Solenoid (SFLR & SFLH)
TRC Solenoid (SFRH & SFLH)
TRC Solenoid (SFRR & SFRH)

TRC Solenoid (SMC1)
TRC Solenoid (SMC2)
TRC Solenoid (SMF)
TRC Solenoid (SMFL)
TRC Solenoid (SMFR & SMFL)
TRC Solenoid (SMFR)
TRC Solenoid (SMR & SPFR)
TRC Solenoid (SMR)
TRC Solenoid (SPFL)
TRC Solenoid (SPFR)
TRC Solenoid (SRCF & SRCR)
TRC Solenoid (SRCF)
TRC Solenoid (SRCR)
TRC Solenoid (SRH)
TRC Solenoid (SRLR & SRLH)
TRC Solenoid (SRMF & SRMR)
TRC Solenoid (SRMF)
TRC Solenoid (SRMR)
TRC Solenoid (SRRR & SRRH)
TRC Solenoid (SS)
VSC H/B Warning Buzzer
VSC Warning Light
VSC/TRAC OFF Indicator Light
VSC/TRC OFF Indicator Light

ECB Motor Relay2
ECB Solenoid (SC1)
ECB Solenoid (SC2)
ECB Solenoid (SCC)
ECB Solenoid (SLA) Valve Close
ECB Solenoid (SLAFL) Valve Close
ECB Solenoid (SLAFL) Valve Open
ECB Solenoid (SLAFR) Valve Close
ECB Solenoid (SLAFR) Valve Open
ECB Solenoid (SLARL) Valve Close
ECB Solenoid (SLARL) Valve Open
ECB Solenoid (SLARR) Valve Close
ECB Solenoid (SLARR) Valve Open
ECB Solenoid (SLR) Valve Close
ECB Solenoid (SLRFL) Valve Close
ECB Solenoid (SLRFL) Valve Open
ECB Solenoid (SLRFR) Valve Close
ECB Solenoid (SLRFR) Valve Open
ECB Solenoid (SLRRL) Valve Close
ECB Solenoid (SLRRL) Valve Open
ECB Solenoid (SLRRR) Valve Close
ECB Solenoid (SLRRR) Valve Open
ECB Solenoid (SMC)
ECB Solenoid (SMC/SRC/SCC)
ECB Solenoid (SMC1)
ECB Solenoid (SMC2)
ECB Solenoid (SRC)
ECB Solenoid (SSC)
ECB Warning Light
H/B Motor Relay
Motor Relay
Power Supply Air Bleeding Pattern1
Power Supply Air Bleeding Pattern2
PPS Solenoid
Pre Crash Brake OFF Light
Pre-Charge Pump
Pump Check Pattern
RL Wheel Air Bleeding Pattern
RR Wheel Air Bleeding Pattern
Slip Indicator Light
Solenoid Relay
Sports Mode Indicator Light
Stop Light Relay
Stop light System Indicator Light
Stroke Simulator Cut Valve Pattern
Tire Pressure Light
TRC(TRAC) Motor Relay
TRC(TRAC) OFF Indicator Light
VSC OFF Indicator Light
VSC Warning Light
VSC/TRC OFF Indicator Light
VSC/TRC Solenoid (SMF)
VSC/TRC Solenoid (SMR)
VSC/TRC Solenoid (SPFL)
VSC/TRC Solenoid (SPFR)
VSC/TRC Solenoid (SRCF)

ABS/VSC/TRC

4WD Warning Light
ABS Solenoid
ABS Solenoid (SFLH)
ABS Solenoid (SFLR)
ABS Solenoid (SFRH)
ABS Solenoid (SFRR)
ABS Solenoid (SRLH)
ABS Solenoid (SRLR)
ABS Solenoid (SRRH)
ABS Solenoid (SRRR)
ABS Warning Light
Accumulator Zero Down
Actuator Air Bleeding Pattern
ARS Warning Light
A-TRC(TRAC) Indicator Light
Auto LSD Indicator Light
BH Operated Light
BH Standby Light
Brake Warning Light
Buzzer
Crawl Control Light
DAB Indicator Light
Downhill Assist Control Light
Drain System Air Bleeding Pattern
DSS Signal Buzzer
EBS Relay
ECB Control Invalid
ECB Main Relay
ECB Main Relay2
ECB Motor Relay

VSC/TRC Solenoid (SRCR)
 VSC/TRC Solenoid (SRMF)
 VSC/TRC Solenoid (SRMR)
 VSC/TRC(TRAC) Solenoid
 VSC/TRC(TRAC) Solenoid (SRCF)
 VSC/TRC(TRAC) Solenoid (SRCR)
 VSC/TRC(TRAC) Solenoid (SRMF)
 VSC/TRC(TRAC) Solenoid (SRMR)

Active Height Control

Accumulator Solenoid
 Accumulator Valve
 Compressor Motor Relay
 Damper Step FL
 Damper Step FR
 Damper Step RL
 Damper Step RR
 Exhaust Solenoid
 FL Gas Spring Switch Valve
 FL Solenoid
 FL Wheel Up/Down
 FR Gas Spring Switch Valve
 FR Solenoid
 FR Wheel Up/Down
 Front Gate Solenoid
 Front Gate Valve
 Front Left Height Solenoid
 Front Left Solenoid
 Front Left Wheel Up/Down
 Front Leveling Solenoid
 Front Right Height Solenoid
 Front Right Solenoid
 Front Right Wheel Up/Down
 Front Wheel Up by Accumulator
 Front Wheel Up/Down
 Low Pressure Tank Solenoid
 Main Relay
 Motor Relay
 Pump Motor Relay
 Rear Gate Solenoid
 Rear Gate Valve
 Rear Left Height Solenoid
 Rear Left Solenoid
 Rear Left Wheel Up/Down
 Rear Leveling Solenoid
 Rear Right Height Solenoid
 Rear Right Solenoid
 Rear Right Wheel Up/Down
 Rear Wheel Up by Accumulator
 Rear Wheel Up/Down
 RL Solenoid
 RL Wheel Up/Down
 RR Height
 RR Solenoid
 RR Wheel Up/Down

Air suspension

Accumulator Solenoid
 Accumulator Valve
 Compressor Motor Relay

Damper Step FL
 Damper Step FR
 Damper Step RL
 Damper Step RR
 Exhaust Solenoid
 FL Gas Spring Switch Valve
 FL Solenoid
 FL Up&Down
 FL Wheel Up/Down
 FR Gas Spring Switch Valve
 FR Solenoid
 FR Up&Down
 FR Wheel Up/Down
 Front Gate Solenoid
 Front Gate Valve
 Front Left Height Solenoid
 Front Left Solenoid
 Front Left Wheel Up/Down
 Front Leveling Solenoid
 Front Right Height Solenoid
 Front Right Solenoid
 Front Right Wheel Up/Down
 Front Wheel Up by Accumulator
 Front Wheel Up/Down
 Low Pressure Tank Solenoid
 Main Relay
 Motor Relay
 Pump Motor Relay
 Rear Gate Solenoid
 Rear Gate Valve
 Rear Left Height Solenoid
 Rear Left Solenoid
 Rear Left Wheel Up/Down
 Rear Leveling Solenoid
 Rear Right Height Solenoid
 Rear Right Solenoid
 Rear Right Wheel Up/Down
 Rear Up&Down
 Rear Wheel Up by Accumulator
 Rear Wheel Up/Down
 RL Solenoid
 RL Wheel Up/Down
 RR Height
 RR Solenoid
 RR Wheel Up/Down

Anti Lock Brake System

4WD Warning Light
 ABS Motor Relay
 ABS Solenoid (SFLH)
 ABS Solenoid (SFLR & SFLH)
 ABS Solenoid (SFLR)
 ABS Solenoid (SFRH & SFLH)
 ABS Solenoid (SFRH)
 ABS Solenoid (SFRH & SFRH)
 ABS Solenoid (SFRR)
 ABS Solenoid (SRLH)
 ABS Solenoid (SRLR & SRLH)
 ABS Solenoid (SRLR)
 ABS Solenoid (SRRH)

ABS Solenoid (SRRR & SRRH)
 ABS Solenoid (SRRR)
 ABS Warning Light
 Accumulator Zero Down
 Actuator Air Bleeding Pattern
 ARS Warning Light
 Brake Warning Light
 Drain System Air Bleeding Pattern
 ECB Indicator Light
 ECB Invalid
 ECB Main Relay1
 ECB Main Relay2
 ES Start Buzzer
 ES Start Light
 Exhaust Brake Cut Relay
 H/B Motor Relay
 Master Cut Valve1
 Master Cut Valve2
 Motor Relay1
 Motor Relay2
 Power Supply Air Bleeding Pattern1
 Power Supply Air Bleeding Pattern2
 PPS Solenoid
 Pre-Charge Pump
 Pump Check Pattern
 RL Wheel Air Bleeding Pattern
 RR Wheel Air Bleeding Pattern
 SFLH
 SFLR
 SFLR & SFLH
 SFRH
 SFRH & SFLH
 SFRR
 SFRR & SFRH
 Slip Indicator Light
 SOL RELAY
 Solenoid (SLA)
 Solenoid (SLR)
 Solenoid Relay
 SRLH
 SRLR
 SRLR & SRLH
 SRRH
 SRRH & SRRR
 SRRR
 Stop Light Relay
 Stroke Simulator Cut Valve Pattern
 Sub-Throttle
 TRC Motor Relay
 TRC Solenoid (SA1 & SA2)
 TRC Solenoid (SA1)
 TRC Solenoid (SA2)
 TRC Solenoid (SFLR & SFLH)
 TRC Solenoid (SFRH & SFLH)
 TRC Solenoid (SFRR & SFRH)
 TRC Solenoid (SMC1)
 TRC Solenoid (SMC2)
 TRC Solenoid (SMF)
 TRC Solenoid (SMFL)
 TRC Solenoid (SMFR & SMFL)

TRC Solenoid (SMFR)
TRC Solenoid (SMR & SPFR)
TRC Solenoid (SMR)
TRC Solenoid (SPFL)
TRC Solenoid (SPFR)
TRC Solenoid (SRCF & SRCR)
TRC Solenoid (SRCF)
TRC Solenoid (SRCR)
TRC Solenoid (SRH)
TRC Solenoid (SRLR & SRLH)
TRC Solenoid (SRMF & SRMR)
TRC Solenoid (SRMF)
TRC Solenoid (SRMR)
TRC Solenoid (SRRR & SRRH)
TRC Solenoid (SS)
VSC H/B Warning Buzzer
VSC Warning Light
VSC/TRAC OFF Indicator Light
VSC/TRC OFF Indicator Light

Electric Parking Brake

Auto Light
Check Display
EPB Warning Light
Full Release Mode Activation
Full Release Mode De-Activation
Lock Display
Not Avail Display
Overheat Display
P Range Display
PKB Light
PKB Lock1
PKB Release1
Release Display
Test Mode

EMS

Accumulator Solenoid
Damper Step FL
Damper Step FR
Damper Step RL
Damper Step RR
Exhaust Solenoid
FL Solenoid
FL Wheel Up/Down
FR Solenoid
FR Wheel Up/Down
Front Gate Solenoid
Front Leveling Solenoid
Low Pressure Tank Solenoid
Main Relay
Motor Relay
Rear Gate Solenoid
Rear Leveling Solenoid
RL Solenoid
RL Wheel Up/Down
RR Height
RR Solenoid
RR Wheel Up/Down

Four Wheel Drive

4WD Auto Mode Light
4WD LOCK Light
4WD Warning Light
Slip Indicator Light

Front Stabilizer

Stabilizer Check

KDSS

Accumulator Valve (Downside)
Accumulator Valve (Upside)

Lane Departure Alert

LDA Buzzer

Rear Stabilizer

Stabilizer Check