

System Outline

Push Button Start System (Multi-mode Manual Transmission)

This is a system to start engine by pushing engine start/stop SW with shift position at N and brake depressed after inserting the electrical key into the key slot.

* Basic operation

When engine start/stop SW is pushed with shift position at N and without brake depressed, the power supply mode changes by the pushing as follows; OFF position to ACC ON position to IG ON position to OFF position to ACC ON position.

Engine starts when engine start/stop SW is pushed with shift position at N and with brake depressed. If engine start/stop SW is pushed under vehicle's stationary condition with engine running, the power supply is changed to OFF position.

Push Button Start System (M/T)

This is a system to start engine by pushing engine start/stop SW with the clutch pedal depressed after inserting the electrical key into the key slot.

* Basic operation

When engine start/stop SW is pushed without the clutch pedal depressed, the power supply mode changes by the pushing as follows; OFF position to ACC ON position to IG ON position to OFF position to ACC ON position.

Engine starts when engine start/stop SW is pushed with the clutch pedal depressed. If engine start/stop SW is pushed under vehicle's stationary condition with engine running, the power supply mode is changed to OFF position.

Service Hints

18 Ignition Control ECU

12, 33-Ground : Always approx. 12 volts

34, 35-Ground : Approx. 12 volts with the engine start/stop SW at IG ON position

11-Ground : Approx. 12 volts with the engine start/stop SW at ACC ON or IG ON position

6-Ground : Always continuity

1-Ground : Approx. 12 volts with the brake pedal depressed

○ : Parts Location

Code		See Page	Code		See Page	Code	See Page	
B8	A	44 (LHD)	J8	B	45 (LHD)	N1		41 (*1)
C13		44 (LHD)	J9	A	45 (LHD)	S5	A	41 (*1)
C14		44 (LHD)	J10	B	45 (LHD)			43 (*2)
E4	A	45 (LHD)	J11	A	45 (LHD)		B	41 (*1)
E5	B	45 (LHD)	J12	B	45 (LHD)			43 (*2)
E6	C	45 (LHD)	J16		45 (LHD)		S8	A
E7	D	45 (LHD)	J17	A	45 (LHD)	43 (*2)		
E8		45 (LHD)	J18	B	45 (LHD)	S9	B	41 (*1)
H10		45 (LHD)	J19		45 (LHD)			43 (*2)
I8		45 (LHD)	J21		45 (LHD)	S14		47 (LHD)
J3		45 (LHD)	K2	A	46 (LHD)	S17		47 (LHD)
J4		45 (LHD)	K3	B	46 (LHD)	T16		47 (LHD)
J7	A	45 (LHD)	M1		46 (LHD)			

○ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*5) 25 (*6)	Engine Room R/B No.1 (Engine Compartment Left)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
5	28	Fuse Block (Lower Finish Panel)
6	29	R/B No.6 (Instrument Panel Center)
7	30	R/B No.7 (Instrument Panel Center)

* 1 : LHD 1ZZ-FE, 3ZZ-FE * 2 : LHD 1CD-FTV * 3 : RHD 1ZZ-FE, 3ZZ-FE * 4 : RHD 1CD-FTV * 5 : 1ZZ-FE, 3ZZ-FE * 6 : 1CD-FTV

Push Button Start, Engine Immobilizer and Steering Lock (LHD)



: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4D	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
CA	36 (LHD)	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
CB		
CC		
CF		
CH	37 (LHD)	
CI		
CJ		
DA	32	Instrument Panel Wire and Instrument Panel J/B (Left Side of the Instrument Panel)
DB		
DH		
DJ		
DN	33	Engine Room Main Wire and Instrument Panel J/B (Left Side of the Instrument Panel)



: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EE1	62 (*2)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
IA1	64 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IA2		
IA4		
IA5		
IA8		
IE1	64 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IE2		
IJ1	66 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
IJ2		



: Ground Points

Code	See Page	Ground Points Location
ED	60 (*1)	Engine Compartment Left
II	64 (LHD)	Left Kick Panel
IJ	64 (LHD)	Behind the Combination Meter
IM	64 (LHD)	Right Kick Panel



: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I3	66 (LHD)	Instrument Panel Wire	I9	66 (LHD)	Engine Wire

* 1 : LHD 1ZZ-FE, 3ZZ-FE * 2 : LHD 1CD-FTV * 3 : RHD 1ZZ-FE, 3ZZ-FE * 4 : RHD 1CD-FTV * 5 : 1ZZ-FE, 3ZZ-FE * 6 : 1CD-FTV

