

Wiper and Washer

System Outline

Auto Wiper Operation

When the wiper SW is placed to AUTO position, the rain sensor detects the amount of rain on the front windshield, and a signal is output to the wiper controller. The wiper controller automatically controls the intermittent time and operates the wiper, in accordance with the signal.

Service Hints

C9 Combination SW

- 2-Ground : Always continuity
- 17-Ground : Approx. 12 volts with the ignition SW at ON position
- 7-Ground : Approx. 12 volts with the ignition SW on and the wiper and washer SW at LO position
Approx. 12 volts every approx. 1 to 10 seconds intermittently with the ignition SW on
and the wiper and washer SW at INT position
- 16-Ground : Approx. 12 volts with the ignition SW on and unless the front wiper motor at STOP position
- 8-Ground : Approx. 12 volts with the ignition SW on and the wiper and washer SW at HI position

F9 Front Wiper Motor

- 2-3 : Closed unless the front wiper motor at STOP position

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
C9	40 (LHD)	J2	41 (LHD)	W1	37 (LHD 1MZ-FE)
	50 (RHD)		51 (RHD)		39 (*1)
F9	36 (LHD 1MZ-FE)	J4	41 (LHD)		47 (RHD 1MZ-FE)
	38 (*1)		51 (RHD)		49 (*2)
	46 (RHD 1MZ-FE)	R12	43 (LHD)	W4	41 (LHD)
	48 (*2)		53 (RHD)		51 (RHD)

* 1 : LHD 2AZ-FE, 1AZ-FE * 2 : RHD 2AZ-FE, 1AZ-FE

○ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
2A	28	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2F	28	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)

□ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	60 (LHD)	Instrument Panel Wire and Roof Wire (Inside of Front Left Pillar)
	72 (RHD)	Instrument Panel Wire and Roof Wire (Inside of Front Right Pillar)
IF1	60 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Right Side of Steering Column Tube)
	72 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of Steering Column Tube)

▽ : Ground Points

Code	See Page	Ground Points Location
EB	68 (RHD 1MZ-FE)	Right Fender
	70 (*2)	
ED	56 (LHD 1MZ-FE)	Left Fender
	58 (*1)	
II	60 (LHD)	Cowl Side Panel LH
IJ	72 (RHD)	Instrument Panel Reinforcement LH
IK	60 (LHD)	Instrument Panel Brace LH
IM	60 (LHD)	Instrument Panel Reinforcement RH
	72 (RHD)	Instrument Panel Brace RH
IN	72 (RHD)	Instrument Panel Reinforcement RH

* 1 : LHD 2AZ-FE, 1AZ-FE * 2 : RHD 2AZ-FE, 1AZ-FE



: **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I1	62 (LHD)	Instrument Panel Wire	I2	62 (LHD)	Instrument Panel Wire
	74 (RHD)				