



SYSTEM OUTLINE

PPS ECU (Flow rate control system) controls the solenoid valves mounted in the pump to conduct direct control of the pump flow rate in response to the vehicle speed possible, ensuring natural and real steering feeling.

1. PPS OPERATION

When the ignition SW is turned on, the starting current flows from the **ECU-IG** fuse to **TERMINAL 4** of the PPS ECU. The vehicle speed sensor monitors the vehicle speed and transmits control signals to **TERMINAL 5** of the ECU.

When the vehicle speed is low, the PPS ECU sends a higher-current from **TERMINAL 1** of the ECU to **TERMINAL 1** of the PPS solenoid to **TERMINAL 2** to **TERMINAL 2** of the ECU to **TERMINAL 6** to **GROUND**, increasing the solenoid valve opening angle to provide comfortable steering operation. When the vehicle speed is high, the PPS ECU decreases the solenoid valve opening angle by reducing the current to the valve to provide responsive steering feeling.

SERVICE HINTS

P3 PPS SOLENOID

1-2:Approx. **7.8 Ω** (25°C, 77°F)

P6 PPS ECU

4-GROUND:Approx. **12** volts with ignition SW at **ON** or **ST** position

6-GROUND:Always continuity

: PARTS LOCATION

Code		See Page	Code	See Page	Code	See Page
C12	A	40	J10	41	P3	39 (2JZ-GE)
C13	B	40	J13	41	P6	41
J6		41	J17	41		
J7		41	P3	37 (1UZ-FE)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	26	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
1F	26	Cowl Wire and Driver Side J/B (Left Kick Panel)
1G	27	
1H		
2F	28	
2G	29	Cowl Wire and Passenger Side J/B (Right Kick Panel)

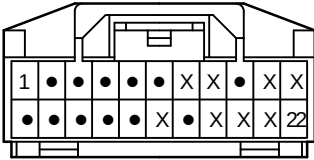
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	46 (1UZ-FE)	Engine Wire and Cowl Wire (Inside of the ECU Box)
	48 (2JZ-GE)	
IE1	50	Instrument Panel Wire and Cowl Wire (Left Side of the Steering Column)

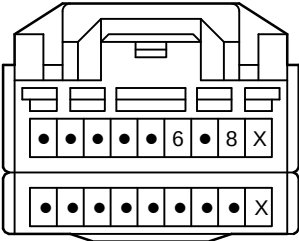
: GROUND POINTS

Code	See Page	Ground Points Location
IF	50	Left Kick Panel
II	50	Right Side of the Cowl Panel

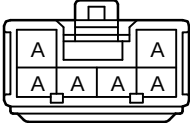
C12 (A)



C13 (B)

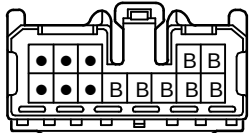


J6



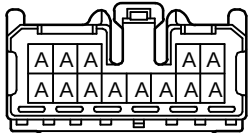
(Hint : See Page 7)

J7 GRAY



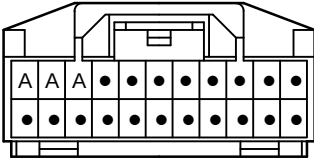
(Hint : See Page 7)

J10 ORANGE



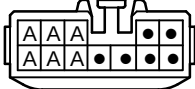
(Hint : See Page 7)

J13



(Hint : See Page 7)

J17



(Hint : See Page 7)

P3 GRAY



P6 BLUE

