



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	42	J10	43	P3	41 (2JZ-GE)
C13	B	42	J13	43	P6	43
J6		43	J17	43		
J7		43	P3	39 (3UZ-FE)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	28	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
1F	28	Cowl Wire and Driver Side J/B (Left Kick Panel)
1G	29	
1H		
2F	30	Cowl Wire and Passenger Side J/B (Right Kick Panel)
2G	31	

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	50 (2JZ-GE)	Engine Wire and Cowl Wire (Inside of the ECU Box)
EA3	48 (3UZ-FE)	
IE1	52	Instrument Panel Wire and Cowl Wire (Left Side of the Steering Column)

: GROUND POINTS

Code	See Page	Ground Points Location
IF	52	Left Kick Panel
II	52	Right Side of the Cowl Panel