



Diagnostic Trouble Code (DTC)

Symptom-to-System Chart

DIAGNOSTIC TROUBLE CODE (DTC)	EPS INDICATOR LIGHT	DISCRIPTION/SYMPTOM	DIAGNOSTIC PERIOD			AFTER DETECTING FOR SYSTEM	RESET CLOCK (7.5 A) FUSE	REFER TO PAGE
			INITIAL DIAGNOSIS	INDIVIDUAL DIAGNOSIS	REGULAR DIAGNOSIS			
—	—	EPS indicator light does not come on when ignition switch is turned ON (II)				—		17-27
—	○	EPS indicator light does not go off after engine is started				System OFF		17-29
11	○	A problem with the high voltage or low voltage of the torque sensor (TRQ1 and TRQ2)	○	○		↑	○	17-31
12	○	A problem with the voltage for torque sensor (TRQ3)	○	○		↑	○	
13	○	A problem with average of voltage on TRQ1 and TRQ2	○	○		↑	○	
14	○	A problem with the 2.5 V reference voltage (VREF)	○	○		↑	○	
21	○	A problem with the signal for rotation sensor			○	System ON	○	17-36
22	○	The upper FET is stuck ON	○			System OFF	○	17-38
		The lower FET is stuck ON	○					
		The fail safe relay is stuck ON	○					
		A problem with the current sensor offset	○		○			
		A problem with the lower current			○			
		A problem with the upper current			○			
23	○	A problem with the output signal for duty	○		○	↑	○	Replace the EPS control unit
31	○	A problem with the voltage for IG1	○	○		↑	○	—
33	○	A problem with average of signal on VSS1 and VSS2			○	System ON	○	17-40
34	○	A problem with the ROM in the EPS control unit	○			System OFF	○	Replace the EPS control unit
41	○	A problem with the ADC in the EPS control unit	○			↑	○	
42	○	A problem with the PIC in the EPS control unit				↑	○	
43	○	A problem with the RAM in the EPS control unit	○			↑	○	
44	○	A problem with the timer in the EPS control unit	○			↑	○	

- Initial diagnosis: Performed right after the engine starts until the EPS indicator light goes off.
- Regular diagnosis: Continuously performed (under some conditions) after the EPS indicator light goes off until the engine stops.
- Individual part/system diagnosis: Diagnoses a specific part/system under its operating conditions.
- ROM: Read-Only Memory
- ADC : Analog Digital Converter
- PIC : Program Interrupt Controller
- RAM: Random Access Memory