NO.3 POWER ASSIST DIFFERS BETWEEN RIGHT AND LEFT TURNS

id060300801000

3 Power assist differs between right and left turns.

TROUBLESHOOTING HINTS

- Steering gear and linkage malfunction.
- EPS CM malfunction.
- Poor connection of EPS CM connector, terminal damage.
- The steering wheel angle neutral position automatic learning function has not been operated.

Note

- If the right and left wheels are rotated freely at the same speed with the vehicle jacked up, the EPS CM may learn the steering angle incorrectly.
- The steering angle learned by the EPS CM is cleared when 1 min. or more has elapsed after the ignition was switched off.

Diagnostic procedure

STEP	INSPECTION		ACTION
1	Have DTCs been recorded in the memory?	Yes	Perform inspection using the appropriate DTC.
		No	Go to the next step.
2	Switch the ignition to off and maintain this	Yes	Go to the next step.
	condition 1 min. or more.	No	Temporary error occurred while learning steering wheel
	Switch the ignition ON (engine on).		angle neutral position.
	Drive 10 m {33 ft} or above in a straight line at more than 10 km/h {6.2 mph}.		There is not malfunction in the EPS system.
	Is there recurrence of malfunction?		
3	Inspect the connection of the EPS CM	Yes	Replace the steering gear and linkage.
	connector.		(See STEERING GEAR AND LINKAGE REMOVAL/
	Disconnect the EPS CM connector. Indepent both the EPS CM and wiring berness.	No	INSTALLATION.)
	Inspect both the EPS CM and wiring harness- side connector for poor connection (such as	No	If poor connection of EPS CM connector: • Securely connect the EPS CM connector.
	damage/pulled-out pins, corrosion).		If the EPS CM side connector is wrong:
	• Are all the pins normal?		• Replace the EPS CM.
	Are all the pills normal:		(See STEERING WHEEL AND COLUMN REMOVAL/
			INSTALLATION.)
			If the wiring harness-side connector is wrong:
			Repair or replace the pins and/or the connector.
			Recheck malfunction symptoms, then replace the steering gear and linkage.
			(See STEERING GEAR AND LINKAGE REMOVAL/ INSTALLATION.)