

DTC U0320:09 [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)]

id09021n017400

System malfunction location	EPS control module malfunction
Detection condition	<ul style="list-style-type: none">• The AFS control module received CAN error signal from the EPS control module for 5 s or more with the ignition switched ON (engine off or on).
Fail-safe	<ul style="list-style-type: none">• The swivel actuator is moved to the center.• Control of the headlight auto leveling system is continued.
Possible cause	<ul style="list-style-type: none">• DTCs are stored in the EPS control module.• EPS control module malfunction• AFS control module malfunction
System wiring diagram	—

Diagnostic Procedure

Step	Inspection	Action
1	VERIFY EPS CONTROL MODULE DTCs <ul style="list-style-type: none">• Perform the DTC inspection for the EPS control module using the M-MDS. (See ELECTRIC POWER STEERING (EPS) ON-BOARD DIAGNOSIS.)• Is the DTC displayed?	Yes Repair the malfunctioning part according to the applicable DTC troubleshooting. (See ELECTRIC POWER STEERING (EPS) ON-BOARD DIAGNOSIS.)
		No Go to the next step.
2	PERFORM DTC INSPECTION AND VERIFY IF MALFUNCTIONING PART IS EPS CONTROL MODULE <ul style="list-style-type: none">• Clear the AFS control module DTCs using the M-MDS. (See CLEARING DTC [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)].)• Switch the ignition ON (engine off or on) and wait for 5 s or more.• Perform the DTC inspection for the AFS control module using the M-MDS. (See DTC INSPECTION [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)].)• Is the DTC U0320:09 displayed?	Yes Replace the EPS control module, then go to the next step. (See STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION.)
		No Go to Step 4.
3	VERIFY THAT REPAIRS HAVE BEEN COMPLETED <ul style="list-style-type: none">• Clear the AFS control module DTCs using the M-MDS. (See CLEARING DTC [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)].)• Switch the ignition ON (engine off or on) and wait for 5 s or more.• Perform the DTC inspection for the AFS control module using the M-MDS. (See DTC INSPECTION [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)].)• Is the DTC U0320:09 displayed?	Yes Replace the AFS control module, then go to the next step. (See ADAPTIVE FRONT LIGHTING SYSTEM (AFS) CONTROL MODULE REMOVAL/INSTALLATION.)
		No Go to the next step.
4	VERIFY IF OTHER DTCs DISPLAYED <ul style="list-style-type: none">• Are any other DTCs displayed?	Yes Repair the malfunctioning part according to the applicable DTC troubleshooting. (See DTC TABLE [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)].)
		No DTC troubleshooting completed.