

## PID/DATA MONITOR TABLE [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)]

id09021n960700

—: Not applicable

PID	Unit/ Operation	Data contents	Inspection item(s)
AFS_ST	Off/On	<ul style="list-style-type: none"> <li>Off: AFS is not operated.</li> <li>On: AFS is operated.</li> </ul>	<ul style="list-style-type: none"> <li>AFS OFF switch</li> <li>AFS control module</li> </ul>
H/L_CS	OFF/DRL/ TNS/H/ L_LOW/H/ L_HI	<ul style="list-style-type: none"> <li>OFF: Light switch at OFF position</li> <li>DRL: Light switch at AUTO position and auto light sensor sends turn-off signal</li> <li>TNS: Light switch at TNS position</li> <li>H/L_LOW: Light switch at LO position</li> <li>H/L_HI: Light switch at HI position</li> </ul>	Light switch
R_HGT_S	V	Voltage at auto leveling sensor is displayed.	Auto leveling sensor
R_HGT_S_INI	V	Voltage at headlight auto leveling system initial setting is displayed.	Auto leveling sensor
R_LMP_CS	Off/On/ Unknown/ Fault	ATX: <ul style="list-style-type: none"> <li>Off: Selector lever position signal (R position) is not received.</li> <li>On: Selector lever position signal (R position) is received.</li> <li>Unknown: Selector lever position signal (R position) is not determined.</li> <li>Fault: Selector lever position signal (R position) error is received.</li> </ul> MTX: <ul style="list-style-type: none"> <li>Off: Reverse signal is not received.</li> <li>On: Reverse signal is received.</li> <li>Unknown: Reverse signal is not determined.</li> <li>Fault: Reverse signal error is received.</li> </ul>	ATX: <ul style="list-style-type: none"> <li>Transaxle range sensor (TCM)</li> </ul> MTX: <ul style="list-style-type: none"> <li>Back-up light switch</li> </ul>

PID	Unit/ Operation	Data contents	Inspection item(s)
STR_AB_ANG	° (deg)	<p>Displays steering angle signal (estimated absolute angle)</p> <ul style="list-style-type: none"> <li>Steering wheel in neutral position: Near <b>0 degrees</b></li> <li>Steering wheel turned to left: Changes from <b>0 degrees</b> to positive</li> <li>Steering wheel turned to right: Changes from <b>0 degrees</b> to negative</li> </ul>	<ul style="list-style-type: none"> <li>Perform the DTC inspection for the PCM, DSC HU/CM, and EPS CM, and if any DTC is displayed, repair the malfunctioning part according to the applicable DTC troubleshooting. (See DTC TABLE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See DTC TABLE [SKYACTIV-D 2.2].) (See ON-BOARD DIAGNOSIS [DYNAMIC STABILITY CONTROL (DSC)].) (See ELECTRIC POWER STEERING (EPS) ON-BOARD DIAGNOSIS.)</li> <li>After performing the DTC inspection, perform the following procedures: <ul style="list-style-type: none"> <li>Switch the ignition off, and after <b>2 min or more</b> have elapsed, switch the ignition ON (engine off or on).</li> <li>Start the engine and drive the vehicle <b>10 m {33 ft} or more</b> in a straight line at a speed of <b>10 km/h {6.2 mph} or more</b>.</li> <li>Stop the vehicle with the wheels in the straight-ahead position.</li> <li>Verify the operation condition of STR_AB_ANG using the M-MDS.</li> </ul> </li> <li>If an abnormal value is indicated again, replace the EPS CM. (See STEERING WHEEL AND COLUMN REMOVAL/ INSTALLATION.)</li> </ul>
VPWR_IG	V	AFS control module power supply voltage is displayed.	<ul style="list-style-type: none"> <li>AFS control module</li> <li>IG1 relay</li> <li>Battery</li> </ul>
VSPD	KPH, MPH	Vehicle speed is displayed.	—