

DTC U2005:86 [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)]

id09021n017700

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| System malfunction location | Error signal received from PCM |
| Detection condition | <ul style="list-style-type: none">• The AFS control module received vehicle speed signal error from the PCM 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.• The headlight leveling actuator is stopped at the position when the malfunction is determined. |
| Possible cause | <ul style="list-style-type: none">• DTCs are stored in the PCM.• PCM malfunction• AFS control module malfunction |
| System wiring diagram | — |

Diagnostic Procedure

| Step | Inspection | Action |
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| 1 | VERIFY PCM DTCs <ul style="list-style-type: none">• Perform the DTC inspection for the PCM using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-D 2.2].)• Is the DTC displayed? | Yes 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].) |
| | | No Go to the next step. |
| 2 | PERFORM DTC INSPECTION AND VERIFY IF MALFUNCTIONING PART IS PCM <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 U2005:86 displayed? | Yes Replace the PCM, then go to the next step. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].) |
| | | 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 U2005:86 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. |