

DTC B10A4:86 [ADAPTIVE FRONT LIGHTING SYSTEM (AFS)]

id09021n934600

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| System malfunction location | Communication error with swivel actuator (RH) |
| Detection condition | <ul style="list-style-type: none">• The AFS control module received error signal from the swivel actuator (RH) three times continuously with the ignition switched ON (engine off or on).• The AFS control module could not receive signal from the swivel actuator (RH) 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 (RH) is stopped at the position when the malfunction is determined.• The swivel actuator (LH) is moved to the center.• Control of the headlight auto leveling system is continued with the headlight leveling actuator positioned -0.6° from where the malfunction is determined. |
| Possible cause | <ul style="list-style-type: none">• Front combination light (RH) poor connection• Swivel actuator (RH) malfunction• AFS control module malfunction |
| System wiring diagram | — |

Diagnostic Procedure

| Step | Inspection | Action |
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| 1 | VERIFY IGNITER INSTALLATION CONDITION <ul style="list-style-type: none">• Verify the installation condition of the igniter. (See IGNITER REMOVAL/INSTALLATION.)• Is the igniter installed correctly? | Yes Go to the next step. |
| | | No Install the igniter correctly, then go to Step 3. (See IGNITER REMOVAL/INSTALLATION.) |
| 2 | PERFORM DTC INSPECTION AND VERIFY IF MALFUNCTIONING PART IS SWIVEL ACTUATOR (RH) <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 DTC B10A4:86 displayed? | Yes Replace the front combination light (RH), then go to the next step. (See FRONT COMBINATION LIGHT 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 DTC B10A4:86 displayed? | Yes Repeat the inspection from Step 1. <ul style="list-style-type: none">• If the malfunction recurs, 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. |