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2015 MAZDA 6 / Atenza Wagon OEM Service and Repair Workshop Manual

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(1)Select "Self Test".

(2)Select "Modules".

(3)Select "RCM".

3.Verify the DTC according to the directions on the screen.

4.Press the clear button on the DTC screen to clear the DTC.

5.Switch the ignition off.

6.Switch the ignition ON (engine off or on) and wait for 11 s or more.

7.Perform DTC inspection. (See **DTC INSPECTION [SAS CONTROL MODULE (TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.)]**.)

8.Verify that no DTCs are displayed.

MAZDA CONNECT (Type-B)

Note

- Refer to the [CLEARING DTC] for the detailed clearing DTC. (See **CLEARING DTC.**)

Step	Inspection		Action
3	PERFORM SAS CONTROL MODULE DTC INSPECTION • Clear the DTC for the SAS control module using the M-MDS. (See CLEARING DTC [SAS CONTROL MODULE (TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.)].) • Perform the DTC inspection for the SAS control module using the M-MDS. (See DTC INSPECTION [SAS CONTROL MODULE (TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.)].) • Are the same DTCs present?	Yes	Repeat the inspection from Step 1. • If the malfunction recurs, replace the SAS control module. (See SAS CONTROL MODULE REMOVAL/INSTALLATION [TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.].)
		No	DTC troubleshooting completed.

Sample

DTC B0003:53 [SAS CONTROL MODULE (TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.)]

SM3600752

id0802c982100

System malfunction location	• Operation (deployment) inhibited
Detection condition	Warning • Detection conditions are for understanding the DTC outline before performing an inspection. Performing an inspection according to only the detection conditions may cause injury due to an operating error, or damage the system. When performing an inspection, always follow the inspection procedure. • The SAS control module configuration has not been set • The SAS control module configuration has been set, but air bag system is not normal
Fail-safe function	Not applicable
Possible cause	• SAS control module configuration setting not implemented • Air bag system malfunction • SAS control module malfunction
System wiring diagram	Not applicable

Diagnostic procedure

Step	Inspection		Action
1	VERIFY THAT NO OTHER DTCs ARE PRESENT • Are any other DTCs output?	Yes	Repair the malfunction part according to the applicable DTC troubleshooting. (See DTC TABLE [SAS CONTROL MODULE (TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.)] .)
		No	Go to the next step.
2	PERFORM SAS CONTROL MODULE CONFIGURATION (AS-BUILT DATA USE) • Perform the SAS control module configuration using the M-MDS. (See SAS CONTROL MODULE CONFIGURATION (USING AS-BUILT DATA) [TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.].) • Clear the DTC for the SAS control module using the M-MDS. (See CLEARING DTC [SAS CONTROL MODULE (TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.)].) • Perform the DTC inspection for the SAS control module using the M-MDS. (See DTC INSPECTION [SAS CONTROL MODULE (TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.)].) • Are the same DTCs present?	Yes	Go to the next step.
		No	DTC troubleshooting completed.

DTC B0001:55/B0010:55 [SAS CONTROL MODULE (TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.)]

SM3600760

id0802c982250

System malfunction location	• B0001:55: Configuration setting error (driver-side air bag module (inflator No.1) structural malfunction) • B0010:55: Configuration setting error (passenger-side air bag module (inflator No.1) structural malfunction)
Detection condition	Warning • Detection conditions are for understanding the DTC outline before performing an inspection. Performing an inspection according to only the detection conditions may cause injury due to an operating error, or damage the system. When performing an inspection, always follow the inspection procedure. • SAS control module configuration setting has not been done correctly • Parts which have not been set to SAS control module are assembled
Fail-safe function	Not applicable
Possible cause	• SAS control module configuration setting not implemented • SAS control module configuration setting invalid • Driver or passenger-side air bag module assembly incorrect • SAS control module malfunction
System wiring diagram	Not applicable

Diagnostic procedure

Step	Inspection		Action
1	PERFORM SAS CONTROL MODULE CONFIGURATION (AS-BUILT DATA USE) • Perform the SAS control module configuration using the M-MDS. (See SAS CONTROL MODULE CONFIGURATION (USING AS-BUILT DATA) [TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.].) • Clear the DTC for the SAS control module using the M-MDS. (See CLEARING DTC [SAS CONTROL MODULE (TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.)].) • Perform the DTC inspection for the SAS control module using the M-MDS. (See DTC INSPECTION [SAS CONTROL MODULE (TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.)].) • Are the same DTCs present?	Yes	Go to the next step.
		No	DTC troubleshooting completed.

Step	Inspection	Action
3	PERFORM SAS CONTROL MODULE DTC INSPECTION • Clear the DTC for the SAS control module using the M-MDS. (See CLEARING DTC [SAS CONTROL MODULE (TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.)].) • Perform the DTC inspection for the SAS control module using the M-MDS. (See DTC INSPECTION [SAS CONTROL MODULE (TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.)].) • Are the same DTCs present?	Yes
		No

Repeat the inspection from Step 1.

- If the malfunction recurs, replace the SAS control module. (See **SAS CONTROL MODULE REMOVAL/INSTALLATION [TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.]**.)

DTC troubleshooting completed.

DTC B1128:55/B1129:55 [SAS CONTROL MODULE (TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.)]

SM3600763

id0802c982290

System malfunction location	• B1128:55: Configuration setting error (driver-side curtain air bag module structural malfunction) • B1129:55: Configuration setting error (passenger-side curtain air bag module structural malfunction)
Detection condition	Warning • Detection conditions are for understanding the DTC outline before performing an inspection. Performing an inspection according to only the detection conditions may cause injury due to an operating error, or damage the system. When performing an inspection, always follow the inspection procedure. • SAS control module configuration setting has not been done correctly • Parts which have not been set to SAS control module are assembled
Fail-safe function	Not applicable
Possible cause	• SAS control module configuration setting not implemented • SAS control module configuration setting invalid • Driver or passenger-side curtain air bag module assembly incorrect • SAS control module malfunction
System wiring diagram	Not applicable

Diagnostic procedure

Step	Inspection		Action
1	PERFORM SAS CONTROL MODULE CONFIGURATION (AS-BUILT DATA USE) • Perform the SAS control module configuration using the M-MDS. (See SAS CONTROL MODULE CONFIGURATION (USING AS-BUILT DATA) [TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.].) • Clear the DTC for the SAS control module using the M-MDS. (See CLEARING DTC [SAS CONTROL MODULE (TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.)].) • Perform the DTC inspection for the SAS control module using the M-MDS. (See DTC INSPECTION [SAS CONTROL MODULE (TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.)].) • Are the same DTCs present?	Yes	Go to the next step.
		No	DTC troubleshooting completed.

DTC B0001:55/B0010:55 [SAS CONTROL MODULE (STANDARD DEPLOYMENT CONTROL SYSTEM - MEXICO SPEC.)]

SM2898725

id0802h582250

System malfunction location	• B0001:55: Configuration setting error (driver-side air bag module structural malfunction) • B0010:55: Configuration setting error (passenger-side air bag module structural malfunction)
Detection condition	Warning • Detection conditions are for understanding the DTC outline before performing an inspection. Performing an inspection according to only the detection conditions may cause injury due to an operating error, or damage the system. When performing an inspection, always follow the inspection procedure. • SAS control module configuration setting has not been done correctly • Parts which have not been set to SAS control module are assembled
Fail-safe function	Not applicable
Possible cause	• SAS control module configuration setting not implemented • SAS control module configuration setting invalid • Driver or passenger-side air bag module assembly incorrect • SAS control module malfunction
System wiring diagram	Not applicable

Diagnostic procedure

Step	Inspection		Action
1	PERFORM SAS CONTROL MODULE CONFIGURATION (AS-BUILT DATA USE) • Perform the SAS control module configuration using the M-MDS. (See SAS CONTROL MODULE CONFIGURATION (USING AS-BUILT DATA) [STANDARD DEPLOYMENT CONTROL SYSTEM - MEXICO SPEC.].) • Clear the DTC for the SAS control module using the M-MDS. (See CLEARING DTC [SAS CONTROL MODULE (STANDARD DEPLOYMENT CONTROL SYSTEM - MEXICO SPEC.)].) • Perform the DTC inspection for the SAS control module using the M-MDS. (See DTC INSPECTION [SAS CONTROL MODULE (STANDARD DEPLOYMENT CONTROL SYSTEM - MEXICO SPEC.)].) • Are the same DTCs present?	Yes	Go to the next step.
		No	DTC troubleshooting completed.

Step	Inspection		Action
3	PERFORM SAS CONTROL MODULE DTC INSPECTION • Clear the DTC for the SAS control module using the M-MDS. (See CLEARING DTC [SAS CONTROL MODULE (STANDARD DEPLOYMENT CONTROL SYSTEM - MEXICO SPEC.)].) • Perform the DTC inspection for the SAS control module using the M-MDS. (See DTC INSPECTION [SAS CONTROL MODULE (STANDARD DEPLOYMENT CONTROL SYSTEM - MEXICO SPEC.)].) • Are the same DTCs present?	Yes	Repeat the inspection from Step 1. • If the malfunction recurs, replace the SAS control module. (See SAS CONTROL MODULE REMOVAL/INSTALLATION [STANDARD DEPLOYMENT CONTROL SYSTEM - MEXICO SPEC.].)
		No	DTC troubleshooting completed.

Sample

DTC B1128:55/B1129:55 [SAS CONTROL MODULE (STANDARD DEPLOYMENT CONTROL SYSTEM - MEXICO SPEC.)]

SM2898728

id0802h582290

System malfunction location	• B1128:55: Configuration setting error (driver-side curtain air bag module structural malfunction) • B1129:55: Configuration setting error (passenger-side curtain air bag module structural malfunction)
Detection condition	Warning • Detection conditions are for understanding the DTC outline before performing an inspection. Performing an inspection according to only the detection conditions may cause injury due to an operating error, or damage the system. When performing an inspection, always follow the inspection procedure. • SAS control module configuration setting has not been done correctly • Parts which have not been set to SAS control module are assembled
Fail-safe function	Not applicable
Possible cause	• SAS control module configuration setting not implemented • SAS control module configuration setting invalid • Driver or passenger-side curtain air bag module assembly incorrect • SAS control module malfunction
System wiring diagram	Not applicable

Diagnostic procedure

Step	Inspection		Action
1	PERFORM SAS CONTROL MODULE CONFIGURATION (AS-BUILT DATA USE) • Perform the SAS control module configuration using the M-MDS. (See SAS CONTROL MODULE CONFIGURATION (USING AS-BUILT DATA) [STANDARD DEPLOYMENT CONTROL SYSTEM - MEXICO SPEC.].) • Clear the DTC for the SAS control module using the M-MDS. (See CLEARING DTC [SAS CONTROL MODULE (STANDARD DEPLOYMENT CONTROL SYSTEM - MEXICO SPEC.)].) • Perform the DTC inspection for the SAS control module using the M-MDS. (See DTC INSPECTION [SAS CONTROL MODULE (STANDARD DEPLOYMENT CONTROL SYSTEM - MEXICO SPEC.)].) • Are the same DTCs present?	Yes	Go to the next step.
		No	DTC troubleshooting completed.