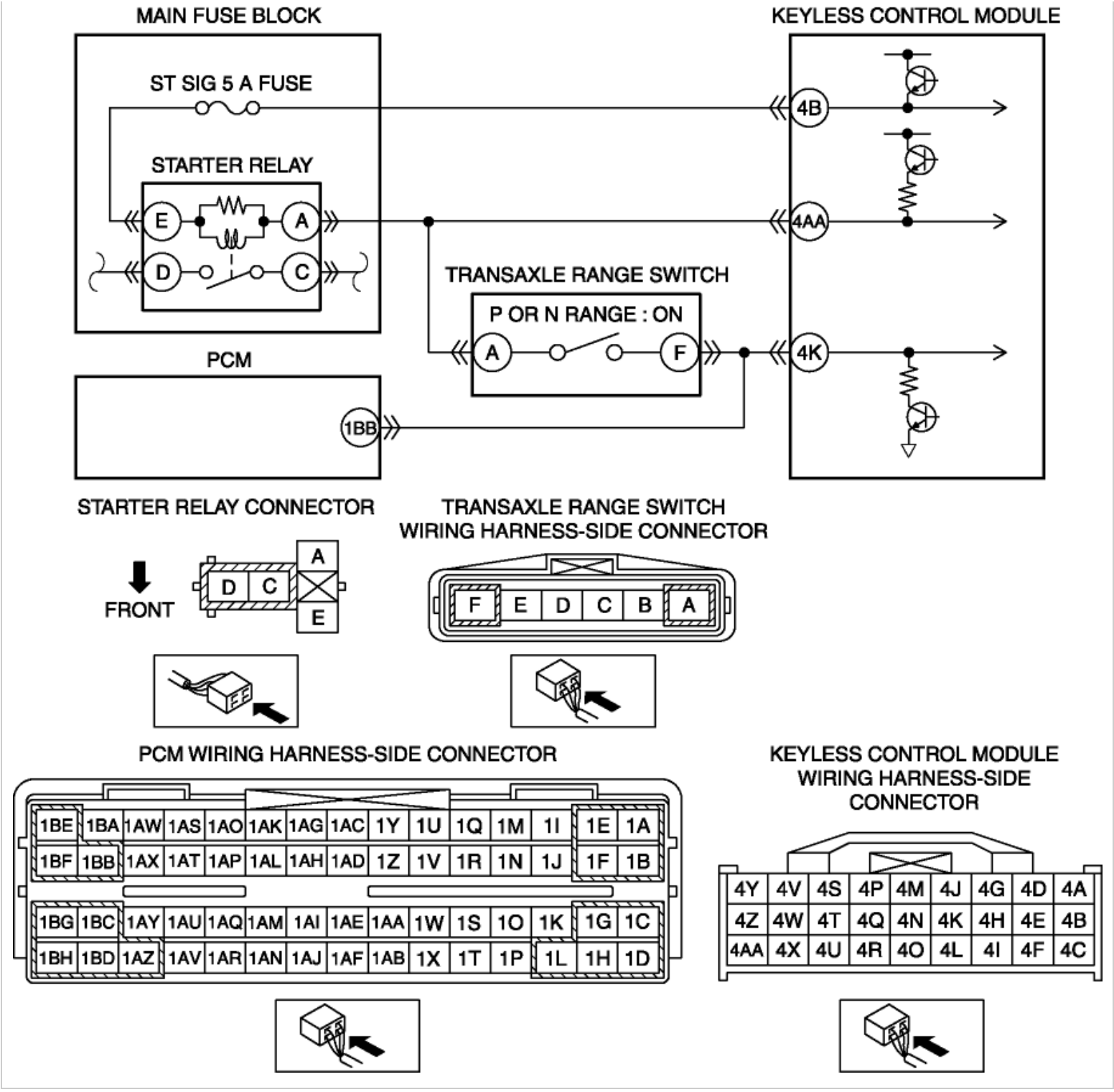
2012 - Mazda6 - Body and Accessories

DTC P0615:11 [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]

MZR 2.5/ ATX

DESCRIPTION	• Short to ground in starter circuit
DETECTION CONDITION	• Detect that the voltage of starter monitor is lower than the specification. ▪ Starter monitor input circuit voltage **less than 4.3 V** is detected under the following conditions: • IG1 relay output circuit is not active • Shift lever in P range
POSSIBLE CAUSE	• Starter relay malfunction • Connector or terminal malfunction • Short to ground in related wiring harness • PCM malfunction • Keyless control module malfunction



Diagnostic Procedure

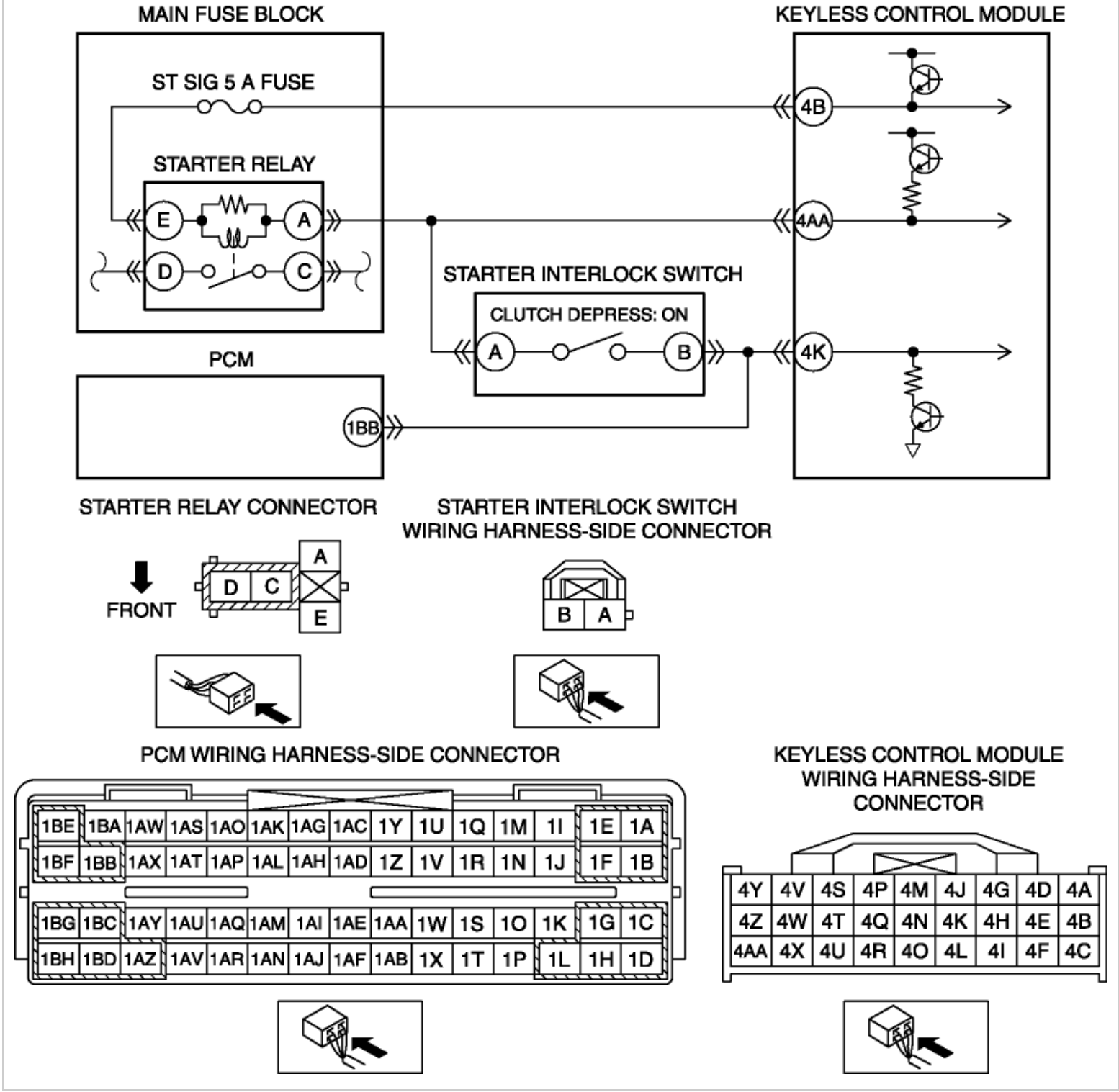
Step	Inspection		Action
1	**INSPECT RELAY** • Switch the ignition to off. • Disconnect the negative battery cable. • Remove the starter relay. • Inspect the starter relay.	Yes	Replace the starter relay, then go to Step 8.
		No	Go to the next step.

	(See **RELAY INSPECTION**.) • Is there any malfunction?		
2	**INSPECT KEYLESS CONTROL MODULE CONNECTOR CONDITION** • Disconnect the keyless control module connector. • Inspect the connector and terminals (corrosion, damage, pin disconnection). • Is there any malfunction?	Yes	Repair or replace the connector or terminals, then go to Step 8.
		No	Go to the next step.
3	**INSPECT STARTER RELAY CIRCUIT FOR SHORT TO GROUND** • Inspect for continuity between the following terminals and body ground: ▪ Starter relay terminal E (wiring harness-side) ▪ Starter relay terminal A (wiring harness-side) • Is there continuity?	Yes	Repair or replace the wiring harness for a possible short to ground, then go to Step 8.
		No	Go to the next step.
4	**INSPECT PCM CONNECTOR CONDITION** • Disconnect the PCM connector. • Inspect the connector and terminals (corrosion, damage, pin disconnection). • Is there any malfunction?	Yes	Repair or replace the connector or terminals, then go to Step 8.
		No	Go to the next step.
5	**INSPECT STARTER RELAY CIRCUIT FOR SHORT TO GROUND** • Inspect for continuity between transaxle range switch terminal F (wiring harness-side) and body ground. • Is there continuity?	Yes	Repair or replace the wiring harness for a possible short to ground, then go to Step 8.
		No	Go to the next step.
6	**INSPECT PCM** • Reconnect the disconnected connectors. • Reconnect the negative battery cable. • Switch the ignition to ON. • Measure the voltage between PCM terminal 1BB (wiring harness-side) and body ground. • Is the voltage normal? (See **PCM INSPECTION [MZR 2.5]**.)	Yes	Go to the next step.
		No	Replace the PCM, then go to Step 8. (See **PCM REMOVAL/ INSTALLATION [MZR 2.5]**.)
7	**INSPECT KEYLESS CONTROL MODULE** • Switch the ignition to off. • Disconnect the negative battery cable. • Disconnect the PCM connector.	Yes	Go to the next step.
		No	Replace the keyless control module, then go to the next step. (See **KEYLESS CONTROL MODULE REMOVAL/ INSTALLATION [ADVANCED KEYLESS**

	• Reconnect the negative battery cable. • Measure the voltage between keyless control module terminal 4AA (wiring harness-side) and body ground with the shift lever in P or N range. • Is the voltage **more than 4 V**?		**ENTRY AND PUSH BUTTON START SYSTEM]**.)
8	**VERIFY TROUBLESHOOTING COMPLETED** • Make sure to reconnect the disconnected connectors. • Reconnect the negative battery cable. • Clear the DTC from keyless control module memory using the M-MDS. (See **CLEARING DTC [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.) • Perform the advanced keyless entry and push button start system DTC inspection using the M-MDS. (See **DTC INSPECTION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.) • Is the same DTC present?	Yes	Repeat the inspection from Step 1. If the malfunction recurs, replace the keyless control module, then go to the next step. (See **KEYLESS CONTROL MODULE REMOVAL/INSTALLATION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.)
		No	Go to the next step.
9	**VERIFY THAT NO OTHER DTCs ARE PRESENT** • Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See **DTC TABLE [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.)
		No	DTC troubleshooting completed.

MZR 2.5/ MTX

DESCRIPTION	• Short to ground in starter circuit
DETECTION CONDITION	• Detect that the voltage of starter monitor is lower than the specification. ▪ Starter monitor input circuit voltage **less than 4.3 V** is detected under the following conditions: • IG1 relay output circuit is not active • Clutch is depressed
POSSIBLE CAUSE	• Starter relay malfunction • Connector or terminal malfunction • Short to ground in related wiring harness • PCM malfunction • Keyless control module malfunction



Diagnostic Procedure

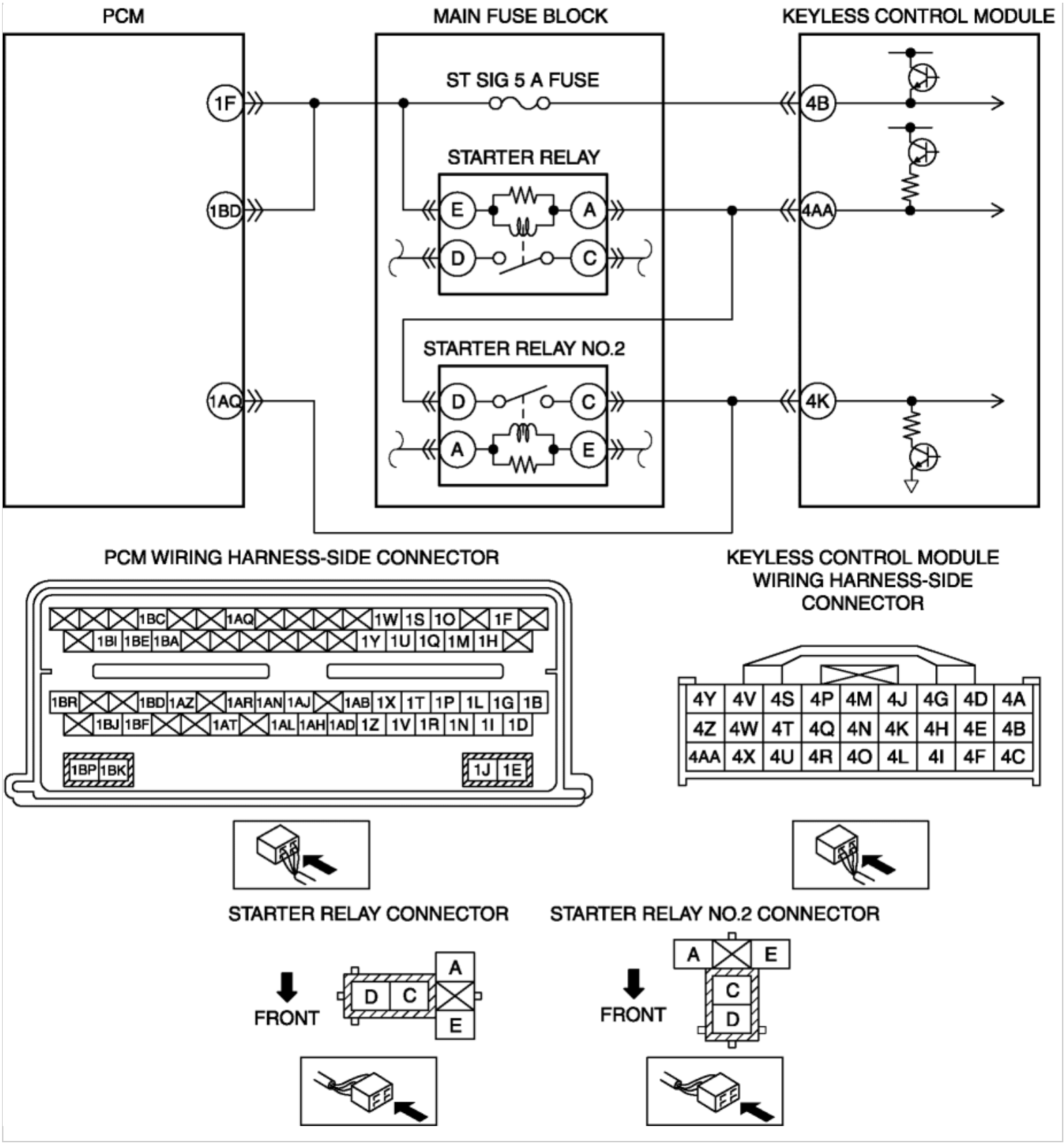
Step	Inspection		Action
1	**INSPECT RELAY** • Switch the ignition to off. • Disconnect the negative battery cable. • Remove the starter relay. • Inspect the starter relay.	Yes	Replace the starter relay, then go to Step 8.
		No	Go to the next step.

	(See **RELAY INSPECTION**.) • Is there any malfunction?		
2	**INSPECT KEYLESS CONTROL MODULE CONNECTOR CONDITION** • Disconnect the keyless control module connector. • Inspect the connector and terminals (corrosion, damage, pin disconnection). • Is there any malfunction?	Yes	Repair or replace the connector or terminals, then go to Step 8.
		No	Go to the next step.
3	**INSPECT STARTER RELAY CIRCUIT FOR SHORT TO GROUND** • Inspect for continuity between the following terminals and body ground: ▪ Starter relay terminal E (wiring harness-side) ▪ Starter relay terminal A (wiring harness-side) • Is there continuity?	Yes	Repair or replace the wiring harness for a possible short to ground, then go to Step 8.
		No	Go to the next step.
4	**INSPECT PCM CONNECTOR CONDITION** • Disconnect the PCM connector. • Inspect the connector and terminals (corrosion, damage, pin disconnection). • Is there any malfunction?	Yes	Repair or replace the connector or terminals, then go to Step 8.
		No	Go to the next step.
5	**INSPECT STARTER RELAY CIRCUIT FOR SHORT TO GROUND** • Inspect for continuity between starter interlock switch terminal B (wiring harness-side) and body ground. • Is there continuity?	Yes	Repair or replace the wiring harness for a possible short to ground, then go to Step 8.
		No	Go to the next step.
6	**INSPECT PCM** • Reconnect the disconnected connectors. • Reconnect the negative battery cable. • Switch the ignition to ON. • Measure the voltage between PCM terminal 1BB (wiring harness-side) and body ground. • Is the voltage normal? (See **PCM INSPECTION [MZR 2.5]**.)	Yes	Go to the next step.
		No	Replace the PCM, then go to Step 8. (See **PCM REMOVAL/ INSTALLATION [MZR 2.5]**.)
7	**INSPECT KEYLESS CONTROL MODULE** • Switch the ignition to off. • Disconnect the negative battery cable. • Disconnect the PCM connector.	Yes	Go to the next step.
		No	Replace the keyless control module, then go to the next step. (See **KEYLESS CONTROL MODULE REMOVAL/ INSTALLATION [ADVANCED KEYLESS**

	• Reconnect the negative battery cable. • Measure the voltage between keyless control module terminal 4AA (wiring harness-side) and body ground with the clutch depressed. • Is the voltage **more than 4 V**?		**ENTRY AND PUSH BUTTON START SYSTEM]**.)
8	**VERIFY TROUBLESHOOTING COMPLETED** • Make sure to reconnect the disconnected connectors. • Reconnect the negative battery cable. • Clear the DTC from keyless control module memory using the M-MDS. (See **CLEARING DTC [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.) • Perform the advanced keyless entry and push button start system DTC inspection using the M-MDS. (See **DTC TABLE [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.) • Is the same DTC present?	Yes	Repeat the inspection from Step 1. If the malfunction recurs, replace the keyless control module, then go to the next step. (See **KEYLESS CONTROL MODULE REMOVAL/ INSTALLATION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.)
		No	Go to the next step.
9	**VERIFY THAT NO OTHER DTCs ARE PRESENT** • Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See **DTC TABLE [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.)
		No	DTC troubleshooting completed.

MZI 3.7 V6

DESCRIPTION	• Short to ground in starter circuit
DETECTION CONDITION	• Detect that the voltage of starter monitor is lower than the specification. ▪ Starter monitor input circuit voltage **less than 1.1 V** is detected under the following conditions: • IG1 relay output circuit is not active • Shift lever in P range
POSSIBLE CAUSE	• Starter relay malfunction • Starter relay No.2 malfunction • Connector or terminal malfunction • Short to ground in related wiring harness • PCM malfunction • Keyless control module malfunction



Diagnostic Procedure

Step	Inspection		Action
1	**INSPECT RELAY** • Switch the ignition to off.	Yes	Replace the relay, then go to Step 7.

	• Disconnect the negative battery cable. • Remove the starter relays. • Inspect the starter relays. (See **RELAY INSPECTION**.) • Are there any malfunction?	No	Go to the next step.
2	**INSPECT KEYLESS CONTROL MODULE CONNECTOR CONDITION** • Disconnect the keyless control module connector. • Inspect the connector and terminals (corrosion, damage, pin disconnection). • Is there any malfunction?	Yes	Repair or replace the connector or terminals, then go to Step 7.
		No	Go to the next step.
3	**INSPECT PCM CONNECTOR CONDITION** • Disconnect the PCM connector. • Inspect the connector and terminals (corrosion, damage, pin disconnection). • Is there any malfunction?	Yes	Repair or replace the connector or terminals, then go to Step 7.
		No	Go to the next step.
4	**INSPECT STARTER RELAY CIRCUIT FOR SHORT TO GROUND** • Inspect for continuity between the following terminals and body ground: ▪ Starter relay terminal E (wiring harness-side) ▪ Starter relay terminal A (wiring harness-side) ▪ Starter relay No.2 terminal C (wiring harness-side) • Is there continuity?	Yes	Repair or replace the wiring harness for a possible short to ground, then go to Step 7.
		No	Go to the next step.
5	**INSPECT PCM** • Reconnect the disconnected connectors. • Reconnect the negative battery cable. • Switch the ignition to ON. • Measure the voltage between the following terminals and body ground: ▪ PCM terminal 1F (wiring harness-side) ▪ PCM terminal 1BD (wiring harness-side) ▪ PCM terminal 1AQ (wiring harness-side) • Is the voltage normal? (See **PCM INSPECTION [MZI 3.7 V6]**.)	Yes	Go to the next step.
		No	Replace the PCM, then go to Step 7. (See **PCM REMOVAL/ INSTALLATION [MZI 3.7 V6]**.)

6	**INSPECT KEYLESS CONTROL MODULE** • Switch the ignition to off. • Disconnect the negative battery cable. • Remove the starter relays. • Reconnect the negative battery cable. • Measure the voltage between keyless control module terminal 4AA (wiring harness-side) and body ground with the shift lever in P or N range. • Is the voltage **more than 1.1 V**?	Yes	Go to the next step.
		No	Replace the keyless control module, then go to the next step. (See **KEYLESS CONTROL MODULE REMOVAL/ INSTALLATION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.)
7	**VERIFY TROUBLESHOOTING COMPLETED** • Make sure to reconnect the disconnected connectors. • Reconnect the negative battery cable. • Clear the DTC from keyless control module memory using the M-MDS. (See **CLEARING DTC [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.) • Perform the advanced keyless entry and push button start system DTC inspection using the M-MDS. (See **DTC INSPECTION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.) • Is the same DTC present?	Yes	Repeat the inspection from Step 1. If the malfunction recurs, replace the keyless control module, then go to the next step. (See **KEYLESS CONTROL MODULE REMOVAL/ INSTALLATION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.)
		No	Go to the next step.
8	**VERIFY THAT NO OTHER DTCs ARE PRESENT** • Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See **DTC TABLE [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.)
		No	DTC troubleshooting completed.

< Previous **Next >**

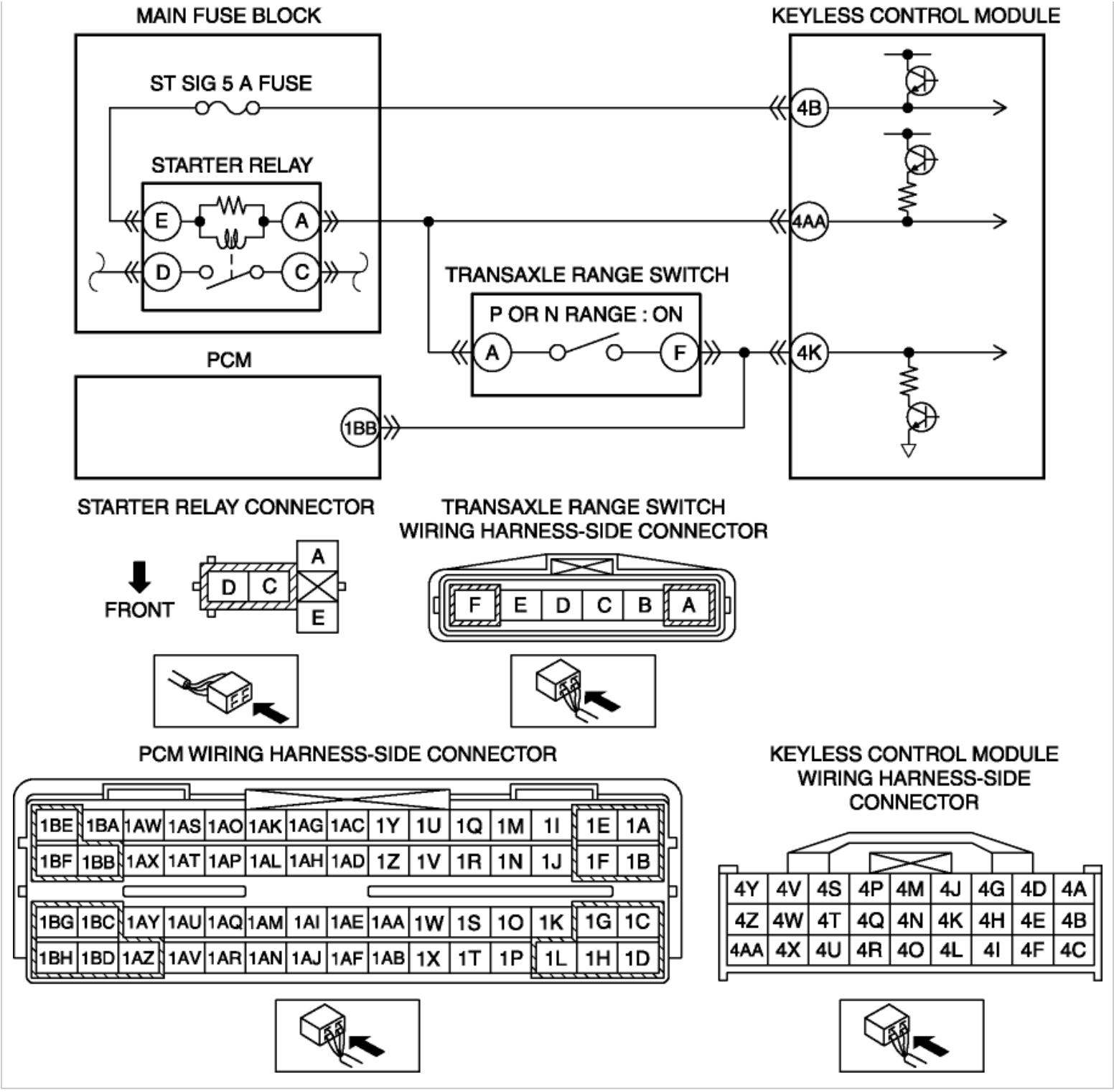
Back to Top

2012 - Mazda6 - Body and Accessories

DTC P0615:11 [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]

MZR 2.5/ ATX

DESCRIPTION	• Short to ground in starter circuit
DETECTION CONDITION	• Detect that the voltage of starter monitor is lower than the specification. ▪ Starter monitor input circuit voltage **less than 4.3 V** is detected under the following conditions: • IG1 relay output circuit is not active • Shift lever in P range
POSSIBLE CAUSE	• Starter relay malfunction • Connector or terminal malfunction • Short to ground in related wiring harness • PCM malfunction • Keyless control module malfunction



Diagnostic Procedure

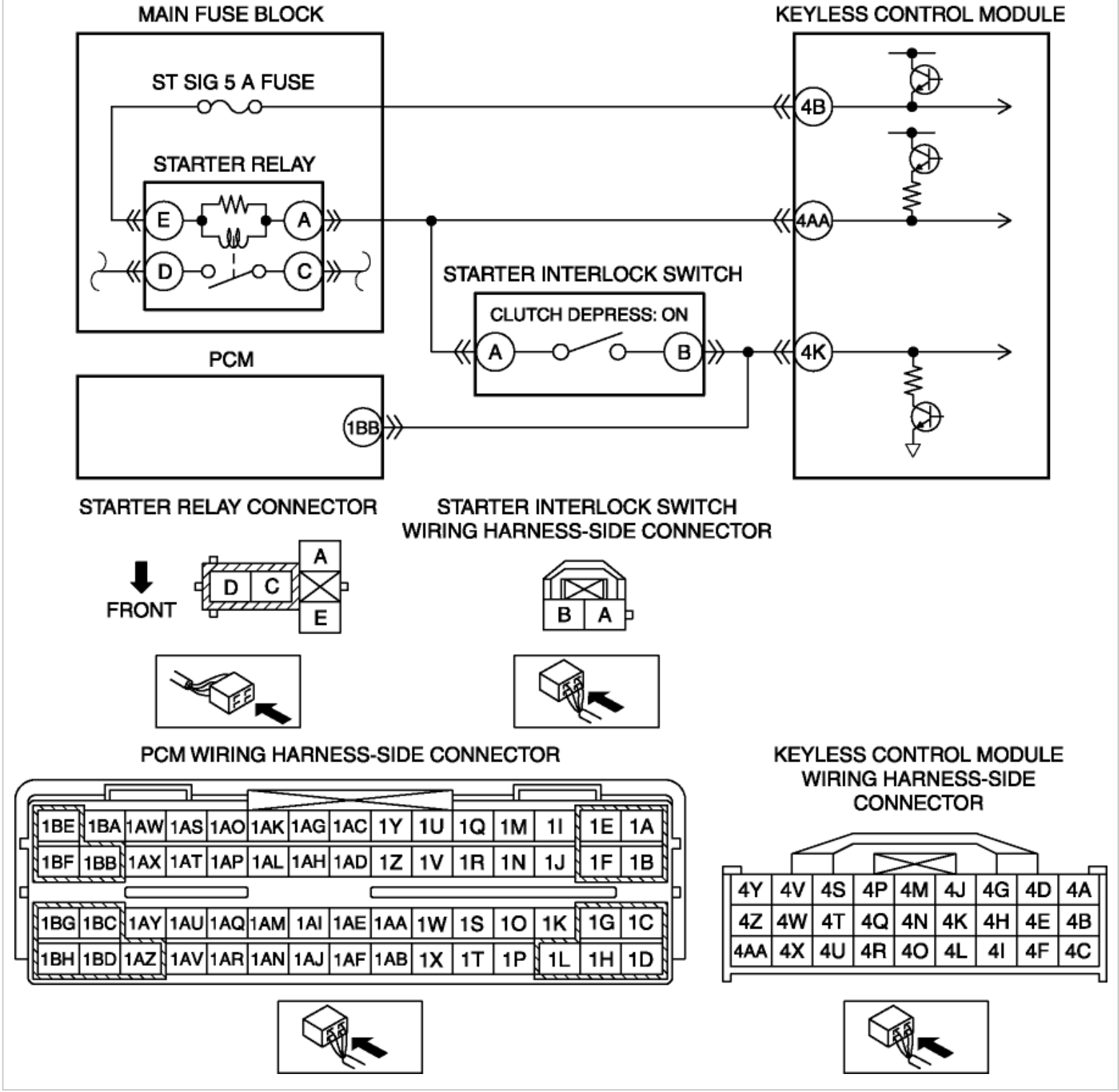
Step	Inspection		Action
1	**INSPECT RELAY** • Switch the ignition to off. • Disconnect the negative battery cable. • Remove the starter relay. • Inspect the starter relay.	Yes	Replace the starter relay, then go to Step 8.
		No	Go to the next step.

	(See **RELAY INSPECTION**.) • Is there any malfunction?		
2	**INSPECT KEYLESS CONTROL MODULE CONNECTOR CONDITION** • Disconnect the keyless control module connector. • Inspect the connector and terminals (corrosion, damage, pin disconnection). • Is there any malfunction?	Yes	Repair or replace the connector or terminals, then go to Step 8.
		No	Go to the next step.
3	**INSPECT STARTER RELAY CIRCUIT FOR SHORT TO GROUND** • Inspect for continuity between the following terminals and body ground: ▪ Starter relay terminal E (wiring harness-side) ▪ Starter relay terminal A (wiring harness-side) • Is there continuity?	Yes	Repair or replace the wiring harness for a possible short to ground, then go to Step 8.
		No	Go to the next step.
4	**INSPECT PCM CONNECTOR CONDITION** • Disconnect the PCM connector. • Inspect the connector and terminals (corrosion, damage, pin disconnection). • Is there any malfunction?	Yes	Repair or replace the connector or terminals, then go to Step 8.
		No	Go to the next step.
5	**INSPECT STARTER RELAY CIRCUIT FOR SHORT TO GROUND** • Inspect for continuity between transaxle range switch terminal F (wiring harness-side) and body ground. • Is there continuity?	Yes	Repair or replace the wiring harness for a possible short to ground, then go to Step 8.
		No	Go to the next step.
6	**INSPECT PCM** • Reconnect the disconnected connectors. • Reconnect the negative battery cable. • Switch the ignition to ON. • Measure the voltage between PCM terminal 1BB (wiring harness-side) and body ground. • Is the voltage normal? (See **PCM INSPECTION [MZR 2.5]**.)	Yes	Go to the next step.
		No	Replace the PCM, then go to Step 8. (See **PCM REMOVAL/ INSTALLATION [MZR 2.5]**.)
7	**INSPECT KEYLESS CONTROL MODULE** • Switch the ignition to off. • Disconnect the negative battery cable. • Disconnect the PCM connector.	Yes	Go to the next step.
		No	Replace the keyless control module, then go to the next step. (See **KEYLESS CONTROL MODULE REMOVAL/ INSTALLATION [ADVANCED KEYLESS**

	• Reconnect the negative battery cable. • Measure the voltage between keyless control module terminal 4AA (wiring harness-side) and body ground with the shift lever in P or N range. • Is the voltage **more than 4 V**?		**ENTRY AND PUSH BUTTON START SYSTEM]**.)
8	**VERIFY TROUBLESHOOTING COMPLETED** • Make sure to reconnect the disconnected connectors. • Reconnect the negative battery cable. • Clear the DTC from keyless control module memory using the M-MDS. (See **CLEARING DTC [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.) • Perform the advanced keyless entry and push button start system DTC inspection using the M-MDS. (See **DTC INSPECTION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.) • Is the same DTC present?	Yes	Repeat the inspection from Step 1. If the malfunction recurs, replace the keyless control module, then go to the next step. (See **KEYLESS CONTROL MODULE REMOVAL/INSTALLATION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.)
		No	Go to the next step.
9	**VERIFY THAT NO OTHER DTCs ARE PRESENT** • Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See **DTC TABLE [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.)
		No	DTC troubleshooting completed.

MZR 2.5/ MTX

DESCRIPTION	• Short to ground in starter circuit
DETECTION CONDITION	• Detect that the voltage of starter monitor is lower than the specification. ▪ Starter monitor input circuit voltage **less than 4.3 V** is detected under the following conditions: • IG1 relay output circuit is not active • Clutch is depressed
POSSIBLE CAUSE	• Starter relay malfunction • Connector or terminal malfunction • Short to ground in related wiring harness • PCM malfunction • Keyless control module malfunction



Diagnostic Procedure

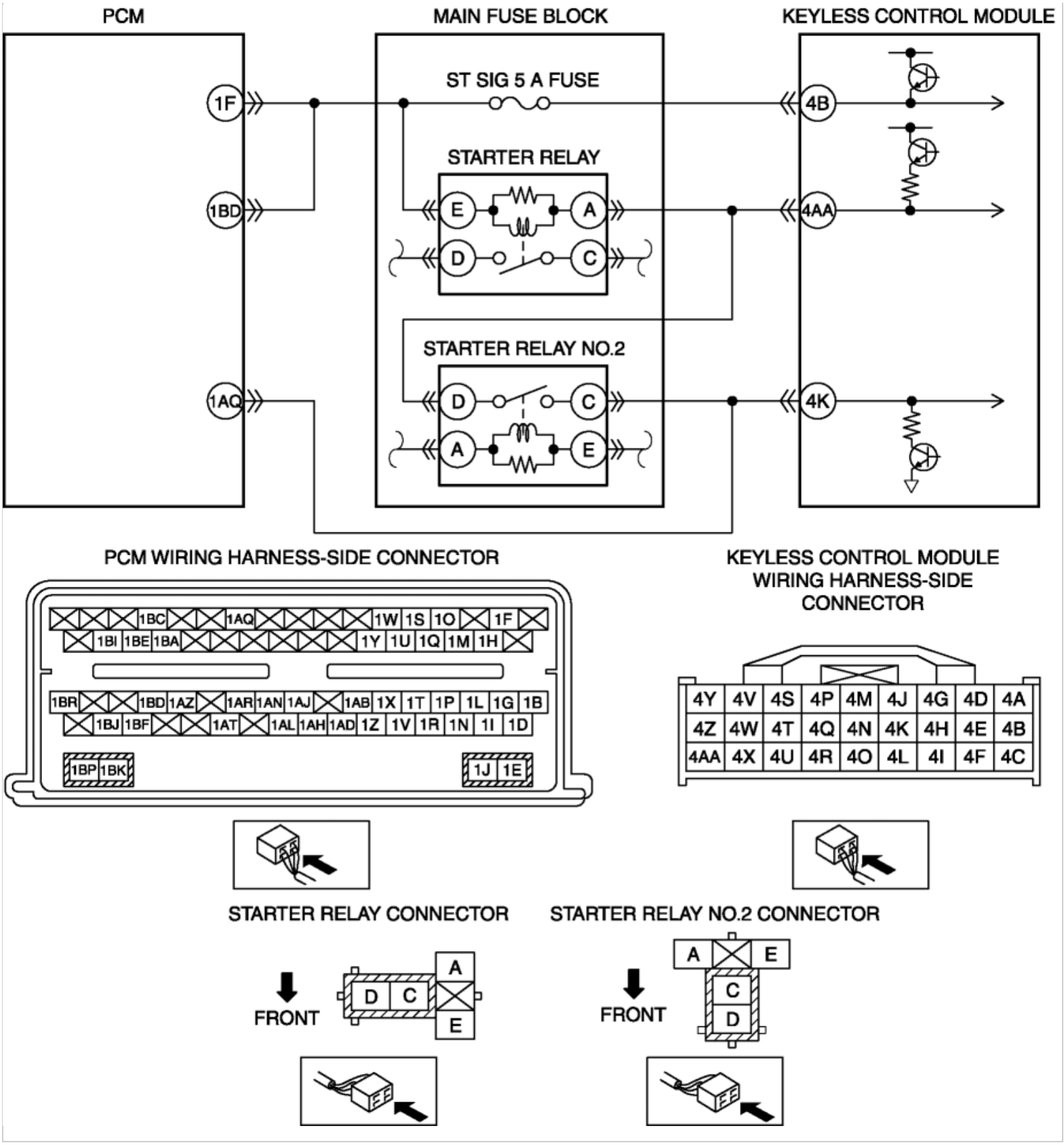
Step	Inspection		Action
1	**INSPECT RELAY** • Switch the ignition to off. • Disconnect the negative battery cable. • Remove the starter relay. • Inspect the starter relay.	Yes	Replace the starter relay, then go to Step 8.
		No	Go to the next step.

	(See **RELAY INSPECTION**.) • Is there any malfunction?		
2	**INSPECT KEYLESS CONTROL MODULE CONNECTOR CONDITION** • Disconnect the keyless control module connector. • Inspect the connector and terminals (corrosion, damage, pin disconnection). • Is there any malfunction?	Yes	Repair or replace the connector or terminals, then go to Step 8.
		No	Go to the next step.
3	**INSPECT STARTER RELAY CIRCUIT FOR SHORT TO GROUND** • Inspect for continuity between the following terminals and body ground: ▪ Starter relay terminal E (wiring harness-side) ▪ Starter relay terminal A (wiring harness-side) • Is there continuity?	Yes	Repair or replace the wiring harness for a possible short to ground, then go to Step 8.
		No	Go to the next step.
4	**INSPECT PCM CONNECTOR CONDITION** • Disconnect the PCM connector. • Inspect the connector and terminals (corrosion, damage, pin disconnection). • Is there any malfunction?	Yes	Repair or replace the connector or terminals, then go to Step 8.
		No	Go to the next step.
5	**INSPECT STARTER RELAY CIRCUIT FOR SHORT TO GROUND** • Inspect for continuity between starter interlock switch terminal B (wiring harness-side) and body ground. • Is there continuity?	Yes	Repair or replace the wiring harness for a possible short to ground, then go to Step 8.
		No	Go to the next step.
6	**INSPECT PCM** • Reconnect the disconnected connectors. • Reconnect the negative battery cable. • Switch the ignition to ON. • Measure the voltage between PCM terminal 1BB (wiring harness-side) and body ground. • Is the voltage normal? (See **PCM INSPECTION [MZR 2.5]**.)	Yes	Go to the next step.
		No	Replace the PCM, then go to Step 8. (See **PCM REMOVAL/ INSTALLATION [MZR 2.5]**.)
7	**INSPECT KEYLESS CONTROL MODULE** • Switch the ignition to off. • Disconnect the negative battery cable. • Disconnect the PCM connector.	Yes	Go to the next step.
		No	Replace the keyless control module, then go to the next step. (See **KEYLESS CONTROL MODULE REMOVAL/ INSTALLATION [ADVANCED KEYLESS**

	• Reconnect the negative battery cable. • Measure the voltage between keyless control module terminal 4AA (wiring harness-side) and body ground with the clutch depressed. • Is the voltage **more than 4 V**?		**ENTRY AND PUSH BUTTON START SYSTEM]**.)
8	**VERIFY TROUBLESHOOTING COMPLETED** • Make sure to reconnect the disconnected connectors. • Reconnect the negative battery cable. • Clear the DTC from keyless control module memory using the M-MDS. (See **CLEARING DTC [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.) • Perform the advanced keyless entry and push button start system DTC inspection using the M-MDS. (See **DTC TABLE [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.) • Is the same DTC present?	Yes	Repeat the inspection from Step 1. If the malfunction recurs, replace the keyless control module, then go to the next step. (See **KEYLESS CONTROL MODULE REMOVAL/ INSTALLATION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.)
		No	Go to the next step.
9	**VERIFY THAT NO OTHER DTCs ARE PRESENT** • Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See **DTC TABLE [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.)
		No	DTC troubleshooting completed.

MZI 3.7 V6

DESCRIPTION	• Short to ground in starter circuit
DETECTION CONDITION	• Detect that the voltage of starter monitor is lower than the specification. ▪ Starter monitor input circuit voltage **less than 1.1 V** is detected under the following conditions: • IG1 relay output circuit is not active • Shift lever in P range
POSSIBLE CAUSE	• Starter relay malfunction • Starter relay No.2 malfunction • Connector or terminal malfunction • Short to ground in related wiring harness • PCM malfunction • Keyless control module malfunction



Diagnostic Procedure

Step	Inspection		Action
1	**INSPECT RELAY** • Switch the ignition to off.	Yes	Replace the relay, then go to Step 7.

	• Disconnect the negative battery cable. • Remove the starter relays. • Inspect the starter relays. (See **RELAY INSPECTION**.) • Are there any malfunction?	No	Go to the next step.
2	**INSPECT KEYLESS CONTROL MODULE CONNECTOR CONDITION** • Disconnect the keyless control module connector. • Inspect the connector and terminals (corrosion, damage, pin disconnection). • Is there any malfunction?	Yes	Repair or replace the connector or terminals, then go to Step 7.
		No	Go to the next step.
3	**INSPECT PCM CONNECTOR CONDITION** • Disconnect the PCM connector. • Inspect the connector and terminals (corrosion, damage, pin disconnection). • Is there any malfunction?	Yes	Repair or replace the connector or terminals, then go to Step 7.
		No	Go to the next step.
4	**INSPECT STARTER RELAY CIRCUIT FOR SHORT TO GROUND** • Inspect for continuity between the following terminals and body ground: ▪ Starter relay terminal E (wiring harness-side) ▪ Starter relay terminal A (wiring harness-side) ▪ Starter relay No.2 terminal C (wiring harness-side) • Is there continuity?	Yes	Repair or replace the wiring harness for a possible short to ground, then go to Step 7.
		No	Go to the next step.
5	**INSPECT PCM** • Reconnect the disconnected connectors. • Reconnect the negative battery cable. • Switch the ignition to ON. • Measure the voltage between the following terminals and body ground: ▪ PCM terminal 1F (wiring harness-side) ▪ PCM terminal 1BD (wiring harness-side) ▪ PCM terminal 1AQ (wiring harness-side) • Is the voltage normal? (See **PCM INSPECTION [MZI 3.7 V6]**.)	Yes	Go to the next step.
		No	Replace the PCM, then go to Step 7. (See **PCM REMOVAL/ INSTALLATION [MZI 3.7 V6]**.)

6	**INSPECT KEYLESS CONTROL MODULE** • Switch the ignition to off. • Disconnect the negative battery cable. • Remove the starter relays. • Reconnect the negative battery cable. • Measure the voltage between keyless control module terminal 4AA (wiring harness-side) and body ground with the shift lever in P or N range. • Is the voltage **more than 1.1 V**?	Yes	Go to the next step.
		No	Replace the keyless control module, then go to the next step. (See **KEYLESS CONTROL MODULE REMOVAL/ INSTALLATION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.)
7	**VERIFY TROUBLESHOOTING COMPLETED** • Make sure to reconnect the disconnected connectors. • Reconnect the negative battery cable. • Clear the DTC from keyless control module memory using the M-MDS. (See **CLEARING DTC [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.) • Perform the advanced keyless entry and push button start system DTC inspection using the M-MDS. (See **DTC INSPECTION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.) • Is the same DTC present?	Yes	Repeat the inspection from Step 1. If the malfunction recurs, replace the keyless control module, then go to the next step. (See **KEYLESS CONTROL MODULE REMOVAL/ INSTALLATION [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.)
		No	Go to the next step.
8	**VERIFY THAT NO OTHER DTCs ARE PRESENT** • Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See **DTC TABLE [ADVANCED KEYLESS ENTRY AND PUSH BUTTON START SYSTEM]**.)
		No	DTC troubleshooting completed.

< Previous **Next >**

Back to Top