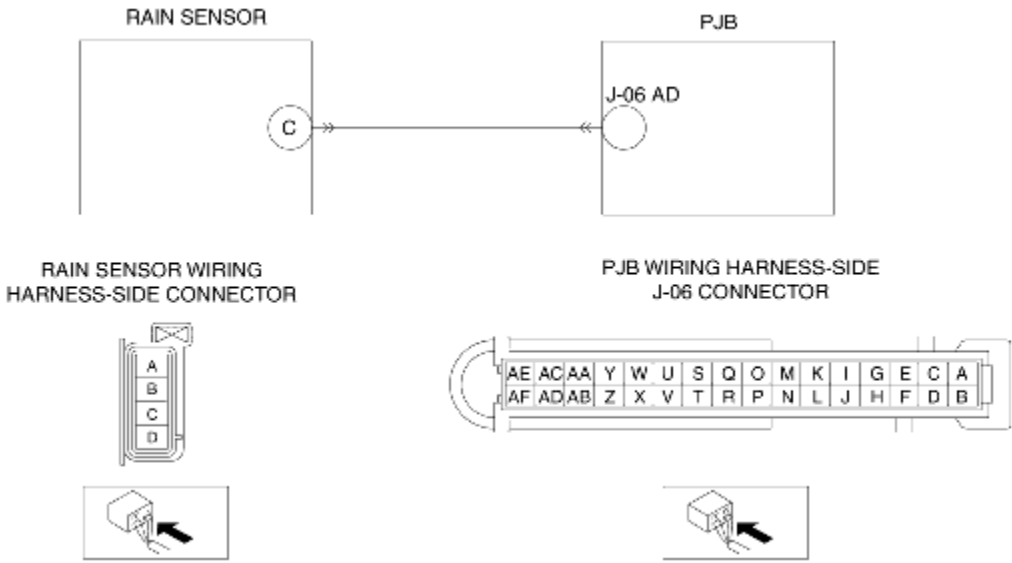


DTC U2030

B3E090201072W53

DTC U2030	Rain sensor communication fault
DETECTION CONDITION	Communication error to rain sensor
POSSIBLE CAUSE	<ul style="list-style-type: none"> • Open circuit in wiring harness between PJB terminal J-06 AD and rain sensor terminal C • Short to power supply in wiring harness between PJB terminal J-06 AD and rain sensor terminal C • Short to GND in wiring harness between PJB terminal J-06 AD and rain sensor terminal C • Rain sensor malfunction • PJB malfunction
	

Diagnostic procedure

STEP	INSPECTION	ACTION
1	INSPECT RAIN SENSOR CONNECTOR <ul style="list-style-type: none"> • Turn the ignition switch off. • Disconnect the rain sensor connector. • Inspect the rain sensor connector terminals for poor connection (such as damaged/pulled-out pins, and corrosion). • Is there any malfunction? 	Yes Repair or replace the terminal, then go to Step 6.
		No Go to the next step.
2	INSPECT PJB CONNECTOR <ul style="list-style-type: none"> • Disconnect the PJB connector. • Inspect the PJB connector terminals for poor connection (such as damaged/pulled-out pins, and corrosion). • Is there any malfunction? 	Yes Repair or replace the terminal, then go to Step 6.
		No Go to the next step.
3	INSPECT RAIN SENSOR CIRCUIT FOR OPEN CIRCUIT <ul style="list-style-type: none"> • Inspect for continuity between PJB terminal J-06 AD (wiring harness-side) and rain sensor terminal C (wiring harness-side). • Is there continuity? 	Yes Go to the next step.
		No Repair or replace the wiring harness for a possible open circuit, then go to Step 6.

4	INSPECT RAIN SENSOR SIGNAL CIRCUIT FOR SHORT TO GND <ul style="list-style-type: none"> Inspect for continuity between PJB terminal J-06 AD (wiring harness-side) and body GND. Is there continuity? 	Yes	Repair or replace the wiring harness for a possible short to GND, then go to Step 6.
		No	Go to the next step.
5	INSPECT RAIN SENSOR SIGNAL CIRCUIT FOR SHORT TO POWER SUPPLY <ul style="list-style-type: none"> Turn the ignition switch to the ON position (Engine off). Measure the voltage between PJB terminal J-06 AD (wiring harness-side) and body GND. Is the voltage B+? 	Yes	Repair or replace the wiring harness for a possible short to power supply, then go to the next step.
		No	Replace the Rain sensor, then go to the next step. (See RAIN SENSOR REMOVAL/INSTALLATION.)
6	VERIFY TROUBLESHOOTING COMPLETED <ul style="list-style-type: none"> Make sure to reconnect all disconnected connectors. Clear the DTC from the PJB memory using the WDS or equivalent. Perform the self-test. (See PJB SELF-TEST.) Is the same DTC present? 	Yes	Replace the PJB. (See PASSENGER JUNCTION BOX (PJB) REMOVAL/INSTALLATION.)
		No	Troubleshooting completed.