

**SSPD8 - ENGINE TEMPERATURE AND HEATER PERFORMANCE CONCERNS WITH OR WITHOUT DTC P0126:00**

**Updated 1/30/2026:**

- **DTC P0126:00 is not required to be present to perform this repair.**  
**Please follow all updated diagnosis and guidelines in the TSB 01-001/26 or any future updated version of the TSB.**

**Dummy Plug repair – (MUST READ FLOW CHART - beginning on page 3).**

**WARRANTY EXTENSION**

For certain 2018-2025MY CX-5, 2019-2023MY Mazda3, 2019-2022MY CX-3, 2018-2021MY Mazda6, 2020-2023MY CX-30 that are equipped with the suspected coolant control valve, the warranty coverage for specific repair of the fail-safe thermostat (now dummy plug with PCM update) is extended to: 15 years (180 months) or 150,000 miles (240,000 km) whichever comes first, from the original warranty start date.

**CONDITION OF CONCERN – PLEASE FOLLOW THE DIAGNOSIS GUIDELINES**

On certain subject vehicles, the check engine light is illuminated with **OR** without DTC P0126:00 and one or more of the following symptoms may occur:

- Engine takes longer to warm up.
- Engine temperature gauge fluctuates.
- Low coolant temperature indicator (blue) light stays on longer or turns on while driving.
- Poor heater performance, especially at idle.

**REPAIR PROCEDURE & PARTS AND WARRANTY INFORMATION  
WARRANTY EXTENSION SSPD8**

**SUBJECT VEHICLES**

Model	Eng Type	Subject VIN range	Subject production date range
2018-2025 CX-5 MC built	SKYACTIV-G 2.0 (Non-US Market) SKYACTIV-G 2.5	JM3KF****J* 300038 - 476255	From October 3, 2017 through December 18, 2024
		JM3KF****K* 500024 - 700253	
		JM3KF****L* 700008 - 869654	
		JM3KF****M* 100003 - 501350	
		JM3KF****N0 500013 - 649502	
		JM3KF****P0 100008 - 292784	
		JM3KF****R0 395874 - 538201	
		JM3KF****S0 538202 - 617579	
2019-2023 Mazda3 MC built	SKYACTIV-G 2.0 SKYACTIV-G 2.5	JM1BP****K1 100042 - 147655	From September 25, 2018 through May 23, 2023
		JM1BP****L1 147656 - 176406	
		JM1BP****M1 300012 - 404511	
		JM1BP****N1 500003 - 522752	
		JM1BP****P1 600066 - 623951	
2019-2023 Mazda3 MMVO built	SKYACTIV-G 2.0 SKYACTIV-G 2.5	3MZBP****KM 100048 - 115055	From January 15, 2019 through September 5, 2023
		3MZBP****LM 115095 - 140607	
		3MZBP****MM 200017 - 254975	
		3MZBP****NM 300004 - 319454	
		3MZBP****PM 350329 - 384076	
2019-2022 CX-3 MC built	SKYACTIV-G 2.0	JM1DK****K* 400011 - 461251	From February 27, 2018 through June 8, 2022
		JM1DK****L1 461252 - 475309	
		JM1DK****M1 500002 - 517836	
		JM1DK****N1 600107 - 605934	
2018-2021 Mazda6 MC built	SKYACTIV-G 2.5	JM1GL****J1 300026 - 336737	From January 15, 2018 through November 12, 2021
		JM1GL****K1 500004 - 510914	
		JM1GL****L1 510920 - 527665	
		JM1GL****M1 600006 - 620105	
2020-2023 CX-30 MMVO built	SKYACTIV-G 2.0 SKYACTIV-G 2.5	3MVDM****LM 100056 - 140312	From September 26, 2019 through September 1, 2023
		3MVDM****MM 200016 - 320220	
		3MVDM****NM 400004 - 459759	
		3MVDM****PM 500075 - 589428	

The asterisk symbol "\*" can be any letter or number. Only VIN's in eMDCS Warranty Inquiry with SSPD8 displayed are covered

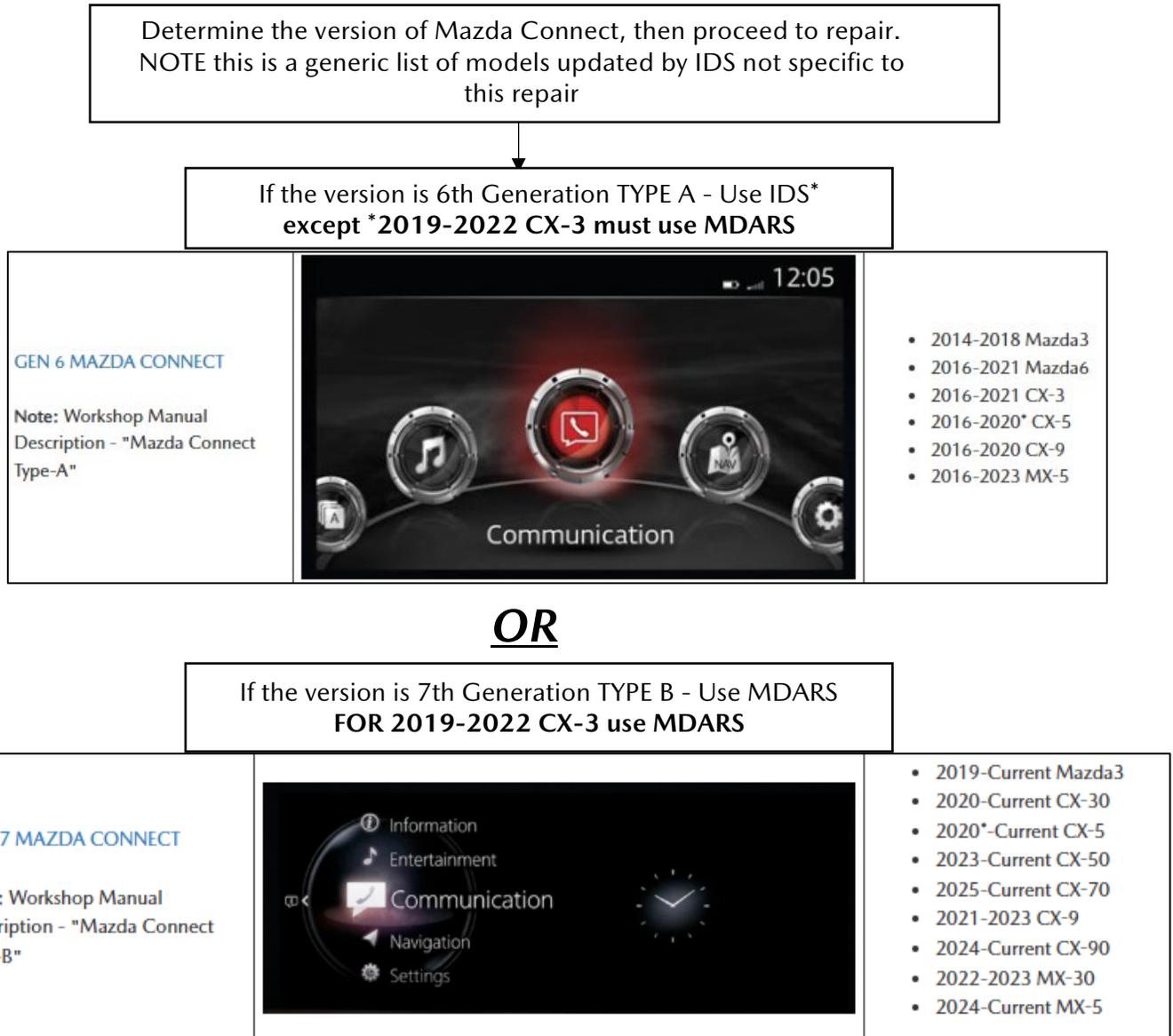
**OWNER NOTIFICATION**

Mazda began notifying all U.S. owners of the subject vehicles by first class mail in November 2024. Owners for certain CX-5 vehicles were notified in March 2025.

- Owners have been advised that they do not need to bring their vehicle to a dealer if it does not exhibit the affected condition.
- Owners have also been advised that any previous repair on the fail-safe thermostat or coolant control valve due to similar concern of this SSP will be eligible for reimbursement if the repair was performed at the owner's expense. Please refer the customer to the Owner Letter for reimbursement instructions.

REPAIR PROCEDURE – FLOW CHART

Section A: Flow Chart: **NOTE: This Flow Chart needs to be followed strictly.**



The dummy plug and PCM update repair procedure are required as of December 8, 2025. The TSB has been updated to repair with the dummy plug and PCM update here: [6](#).

**REPAIR PROCEDURE - INSTRUCTIONS**

If you receive customer complaints about the check engine light ON WITH or WITHOUT DTC P0126:00, or with poor heater performance with any of the symptoms mentioned in the TSB documentation, verify the concerns and perform appropriate repair according to the [Technical Service Bulletin \(TSB\) No. 01-001/26](#).

Note: Please always refer to the latest version of the SI/TSB.

**PARTS INFORMATION**

Parts Number	Description	Quantity	Notes
PYY3-15-SA1	Dummy Plug Set for CCV	1	Component: Plug (PW5R-15556), Water outlet gasket (PYFA-15-169A), Thermostat cover (no service part number)
PYY2-15-SAY	Kit	1	Includes: (1) Gasket, Water Outlet PYFB-15-169 & (1) Connector PE13-15-296
0000-77-508F-20	Coolant	2	7.4 L {7.8 US qt, 6.5 Imp qt} maximum

**DUMMY PLUG AND PCM UPDATE WARRANTY CLAIM PROCESSING INFORMATION:**

**Note:**

- This warranty information is applicable to the repair of the subject vehicle **beyond** Powertrain Warranty period and the fail-safe dummy plug is replaced and PCM software update is completed due to the concern related to this SSPD8.
- The repair on the subject vehicle **within** Powertrain Warranty should be claimed under normal warranty according to the Technical Service Bulletin (TSB) 01-001/26.
  - This warranty information is applicable only to the repair related with or without DTC P0126:00 and related symptoms.

**VITALLY IMPORTANT: There must be a "Software Update" record for the PCM when using MDARS or IDS.**

- **MDARS - If there is no Software Update entry in MDARS or the Collect Diagnostic Information (ODR Update) is not completed (or both), the vehicle will not be considered repaired and the warranty claim will be rejected. The vehicle will need to be returned for a re-repair at the dealer expense.**
- **IDS – Vehicles programed with IDS must collect the Session Log Data (also known as Log Viewer), and that data must be printed and attached to the warranty claim. If the data is not attached to the claim, the vehicle will not be considered repaired and the warranty claim will be rejected, denied or debited. The vehicle will need to be returned for a re-repair at the dealer expense.**

Failure to complete the above will require the vehicle to return to the dealership and be re-repaired at the dealer's expense with great inconvenience to the Mazda customer. Failure to perform the software update could also potentially damage the engine which would not be covered by warranty and would expose your dealership to the cost of repairs. **(1) Please wait up to 30 minutes after completing the SSPD8 operation before submitting the warranty claim.**

**REPAIR PROCEDURE & PARTS AND WARRANTY INFORMATION  
WARRANTY EXTENSION SSPD8**

	<b>VEHICLES WITH MDARS ONLY - Out of Powertrain Warranty</b> <b>- Replacement of Fail-safe Thermostat with Plug</b> <b>- PCM reprogramming with M-MDS</b>		
Process Number	AR050B		
Symptom Code	6X (Warning Light ON/Flashing)		
Damage Code	9K (Poor sealing)		
Part Number Main Cause & Quantity	PYY3-15-SA1 & 1		
Related Part Number & Quantity	PYY2-15-SAY & 1 Kit 0000-77-508F20 & 2 (Max. 7.4L coolant)		
Labor Operation Number & Labor Hours	Operation No.	Labor hours	Applicable models
	XXX43ARX	1.6 hrs.	- Mazda3 (BP) - <b>MDARS</b> - CX-30 (DM) – <b>MDARS</b> - CX-3 (DK) - <b>MDARS</b>
	XXX43BRX	1.7 hrs.	- CX-5 (KF) with AT (2020*-2025) <b>MDARS</b> *2020 with Type B Mazda Connect
Period Covered	Out of Powertrain Warranty period, and Within 15 years/150,000 miles (240,000 km) from original Warranty Start Date		
	<b>VEHICLES WITH IDS ONLY - Out of Powertrain Warranty</b> <b>- Replacement of Fail-safe Thermostat with Plug</b> <b>- PCM reprogramming</b>		
Process Number	AR050C		
Symptom Code	6X (Warning Light ON/Flashing)		
Damage Code	9K (Poor sealing)		
Part Number Main Cause & Quantity	PYY3-15-SA1 & 1		
Related Part Number & Quantity	PYY2-15-SAY & 1 Kit 0000-77-508F20 & 2 (Max. 7.4L coolant)		
Labor Operation Number & Labor Hours	Operation No.	Labor hours	Applicable models
	XXX43ARX	1.6 hrs.	- CX-5 (KF) with MT (Non US) – <b>IDS*</b>
	XXX43BRX	1.7 hrs.	- CX-5 (KF) with AT (2018-2020MY) <b>IDS*</b> - Mazda6 (GL) – <b>IDS*</b>
Attachment ID:	D20 – Collected Diagnostic Data Print out from IDS		
Period Covered	Out of Powertrain Warranty period, and Within 15 years/150,000 miles (240,000 km) from original Warranty Start Date		

**\*IDS Applicable Models: Collected Session Log Data must be printed and attached to the claim. Failure to attach the data will result in claim rejection, denial or debit.**

**OR with related parts still in dealer inventory**

<b>VEHICLES WITH MDARS ONLY - Out of Powertrain Warranty</b> <b>- Replacement of Fail-safe Thermostat with Plug</b> <b>- PCM reprogramming with M-MDS</b>			
Process Number	AR050B		
Symptom Code	6X (Warning Light ON/Flashing)		
Damage Code	9K (Poor sealing)		
Part Number Main Cause & Quantity	PYY3-15-SA1 & 1		
Related Part Number & Quantity	PYFB-15-169 & 1 Gasket, Water Outlet PE13-15-296 & 1 Connector 0000-77-508F20 & 2 (Max. 7.4L coolant)		
Labor Operation Number & Labor Hours	Operation No.	Labor hours	Applicable models
	XXX43ARX	1.6 hrs.	- Mazda3 (BP) - <b>MDARS</b> - CX-30 (DM) – <b>MDARS</b> - CX-3 (DK) - <b>MDARS</b>
	XXX43BRX	1.7 hrs.	- CX-5 (KF) with AT (2020*-2025) <b>MDARS</b> *2020 with Type B Mazda Connect
Period Covered	Out of Powertrain Warranty period, and Within 15 years/150,000 miles (240,000 km) from original Warranty Start Date		
<b>VEHICLES WITH IDS ONLY - Out of Powertrain Warranty</b> <b>- Replacement of Fail-safe Thermostat with Plug</b> <b>- PCM reprogramming</b>			
Process Number	AR050C		
Symptom Code	6X (Warning Light ON/Flashing)		
Damage Code	9K (Poor sealing)		
Part Number Main Cause & Quantity	PYY3-15-SA1 & 1		
Related Part Number & Quantity	PYFB-15-169 & 1 Gasket, Water Outlet PE13-15-296 & 1 Connector 0000-77-508F20 & 2 (Max. 7.4L coolant)		
Labor Operation Number & Labor Hours	Operation No.	Labor hours	Applicable models
	XXX43ARX	1.6 hrs.	- CX-5 (KF) with MT (Non US) – <b>IDS*</b>
	XXX43BRX	1.7 hrs.	- CX-5 (KF) with AT (2018-2020MY) <b>IDS*</b> - Mazda6 (GL) – <b>IDS*</b>
Attachment ID:	D20 – Collected Diagnostic Data Print out from IDS		
Period Covered	Out of Powertrain Warranty period, and Within 15 years/150,000 miles (240,000 km) from original Warranty Start Date		

**\*IDS Applicable Models: Collected Session Log Data must be printed and attached to the claim. Failure to attach the data will result in claim rejection, denial or debit.**

Dealers can use the Limited Parts Ordering (LPO) screen on eMDCS to order the repair parts. There is a weekly maximum allotment, which is displayed on the LPO screen. The LPO process and weekly quantity limit helps to ensure our supply is balanced across the U.S. dealer network and available for all customers.

**RENTAL CAR INFORMATION**

**Rental expenses exceeding the two-day limit or over the per day limit set by Mazda Warranty policy will require prior Warranty Department Authorization prior to giving the rental to the customer regardless of the reason. Please refer to the Mazda Rental Car Reimbursement Program policy in the Mazda Warranty Policies and Procedures Manual.**

Mazda recommends the usage of the MCVP loaner vehicle when available. If all MCVP loaner vehicles are in use and unavailable, and the customer needs a rental car, then use your local rental facility and offer a rental car. Be sure that every effort is made to repair the car within one business day or less, so the next customer can receive the same experience.

**Rental Car Warranty Claim Information**

	MCVP Vehicle Preferred	Rental Agency Vehicle or Ride Share (Uber, Lyft, Taxi)	
Warranty Type Code	N/A  MCVP does not require claim submission	A	
Symptom Code		99	
Damage Code		99	
Part Number Main Cause		<b>5555-SS-PD8R</b>	
Part Quantity		0	
Labor Operation Code		MM024XRX	
Labor Hours		0	
Sublet – Rental Car			
Sublet Invoice Number		N/A	Number from Rental Invoice or Dealer Purchase Order
Sublet Type Code			Enter "Z9" (other)
Sublet Amount			Up to \$30.00 for rideshare, or per day for the number of days customer had rental car. Rental car costs cannot exceed maximum allowed per warranty policy.
Sublet Text			Number of days rental car was supplied to customer