

Service Information

Mazda Motor Corporation

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Category K	Repair Guidance	Ref. No. R101/13	Page 1 of 2
Coverage <input type="checkbox"/> Distributor only <input checked="" type="checkbox"/> Please inform your dealers		Date Issued December 5, 2013	
Please convey this information to your <input type="checkbox"/> Director <input checked="" type="checkbox"/> General Manager <input checked="" type="checkbox"/> Warranty Dept. <input checked="" type="checkbox"/> Parts Dept. <input checked="" type="checkbox"/> Training Dept. <input checked="" type="checkbox"/> Field Rep.		Date Revised	
Applicable Model All models with 6EAT (SKYACTIV-DRIVE)	Applicable Countries or Specifications Worldwide		

Subject: Inspection Procedure of Automatic Transaxle (ATX) in case operation was limited by Fail-Safe Function

DESCRIPTION

Some vehicles may exhibit the ATX fail-safe function working by the following symptoms. The vehicle speed does not increase as the engine speed increases and the ATX does not shift up or down as expected. Often the conditions cannot be reproduced and no DTCs are stored when the vehicle is brought into workshop.

Explanation of Fail-safe function

- If a technical fault is detected in ATX by the malfunction detection function, the fail-safe function limits the ATX control (e.g. inhibit some gears, shift-down)
- Even in case of an ATX malfunction, the fail-safe function assures the minimum vehicle drivability.

CAUSE

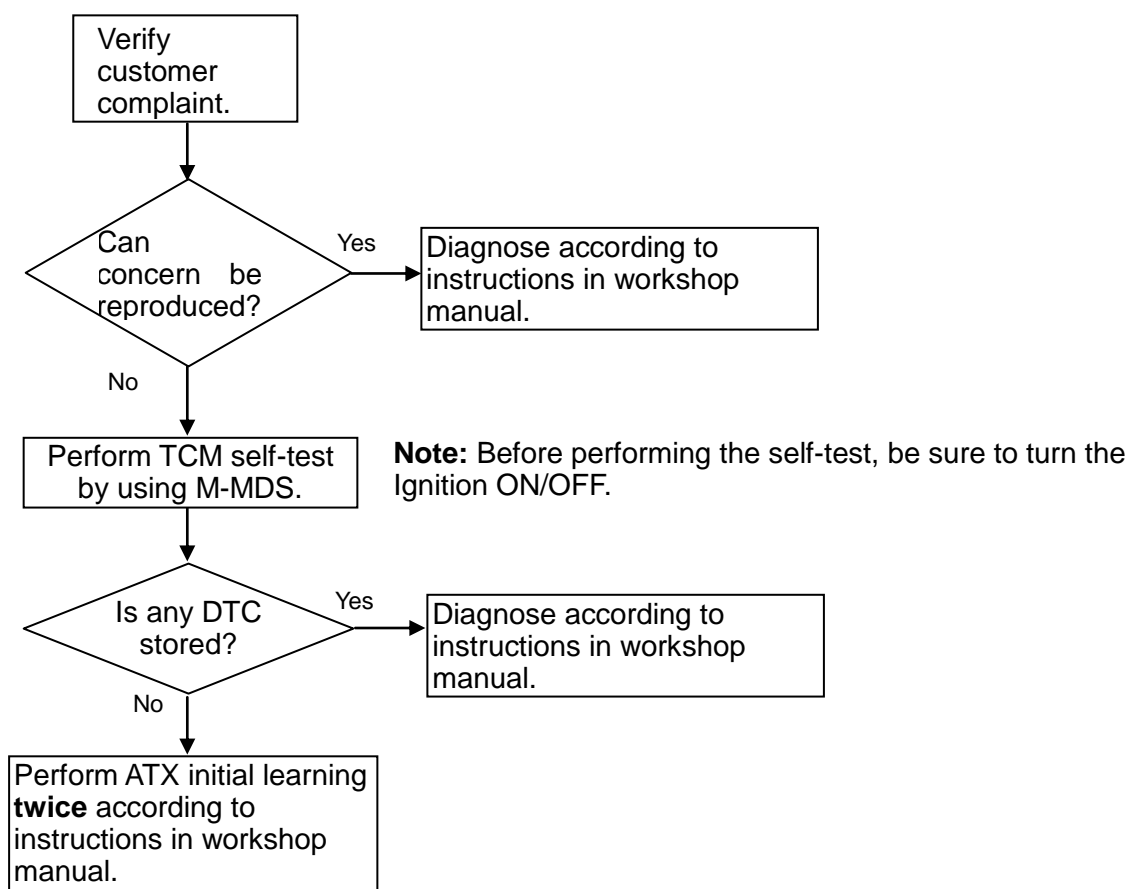
Foreign materials (iron particles in ATF) may enter inside the ATX valve body which causes a temporary malfunction of the valve and/or sensor and the ATX control is switched to the fail-safe function mode.

The fail-safe function is canceled without DTC recorded if the malfunction has gone and does not recur at the next drive cycle.

REPAIR PROCEDURE

Customers reporting this concern should have their vehicle inspected/repared according to the procedure in the next page.

Inspection and Repair Procedure



※The initial learning forcibly actuates each valve in the valve body and verifies their operation. During this operation, ATF is circulated through the valve body having a flushing effect.

WARRANTY INFORMATION

This warranty information applies only to verified customer complaint ON VEHICLE eligible for warranty repair.

Assembly group	K – Automatic transmission	
Subassembly group	00 - DIAGNOSIS	
Symptom Code	27	
Damage Code	93	
DTC Code	-	
Causal Part No.	7777 SP J23	
Q'ty	0	
Operation No. & Labor Hours	ATX, Initial learning (twice)	XXJD9XFX, 0.4 Hrs.
Period Covered	Normal Warranty Period	

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2C21545441 (MC Internal Use)