

# ATTENTION

YOUR WARRANTY DEPENDS ON YOUR ADHERENCE TO THESE GUIDELINES

## U140F & U241E Toyota Automatic Transmission

## PRODUCT BULLETIN

### 2001-2003 Toyota RAV4 ECM Replacement

Some 2001-2003 model year RAV4 vehicles equipped with an automatic transaxle may exhibit a harsh shift condition and/or MIL "ON" with DTC P0750, P0753, P0755, P0758, and/or P1760 stored.

Improvements have been made to the ECM to reduce the possibility of this condition occurring.

### APPLICABLE VEHICLES

This affects Part Numbers T501056 (U140F) and T509908 (U241E).†

OP CODE	DESCRIPTION		TIME	QFP	T1	T2
EG1009	R & R Engine Control Module (ECM)	All	0.5			
Combo A	R & R Transaxle Assembly	2WD	4.5	89661-42###	8A	99
		4WD	7.5			

### PARTS INFORMATION

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
89661-42650 89661-42651 89661-42652 89661-42653 89661-42654	04009-41242	Engine Control Module (ECM)	1
89661-42660 89661-42661 89661-42662 89661-42663 89661-42664	04009-41342		1
89661-42810 89661-42811 89661-42812	04009-39642		1
89661-42820 89661-42821 89661-42822	04009-39542		1
89661-42880	04009-39242		1
89661-42890	04009-39142		1
30510-42110-84	Same	Reman ATM (2WD)	1
30510-42100-84	Same	Reman ATM (4WD)	1

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## REPAIR PROCEDURE

1. Confirm the vehicle is currently exhibiting a harsh shift condition and/or MIL "ON" with DTCs P0750, P0753, P0755, P0758, and/or P1760 stored.
  - a. If the vehicle exhibits the above condition, proceed to step 2 – Replace the ECM (PCM).
  - b. If the vehicle does NOT exhibit the above condition, this bulletin does NOT apply.
2. Replace the ECM (PCM); Refer to the TIS, applicable model year RAV4 Repair Manual.^
3. After replacement of the ECM (PCM), confirm that the vehicle has been repaired. It is necessary to complete ECM learning and a function test of the automatic transaxle assembly. Drive the vehicle under normal city driving conditions for at LEAST 20 minutes to complete the ECM learning function, then complete a function test.††  
**NOTE** The ECM learning must be completed BEFORE performing a function test of the automatic transaxle assembly.
4. If the automatic transaxle still has harsh shifting and/or MIL "ON" with DTCs P0750, P0755, and/or P1760 stored, replace the automatic transaxle assembly.\*\*
5. Perform a road test to verify the repair.^

† 2001-2003 Toyota RAV4 (2WD & 4WD) vehicles.

\* Warranty application is limited to correction of a problem based upon a customer's specific complaint.

^ 2001 / 2002 / 2003 RAV4: Engine/Hybrid System - Engine Control - "Engine Control Module (ECM): Components"

†† 2001 / 2002 / 2003 RAV4 (4WD): Drivetrain - Automatic Transmission/Transaxle - "Automatic Transaxle (U140F): Pre-check" (Road Test section)

\*\* 2001 / 2002 / 2003 RAV4 (4WD): Drivetrain - Automatic Transmission/Transaxle - "Automatic Transaxle (U241E): Pre-check" (Road Test section)

4WD:

2001 / 2002 / 2003 RAV4 (U140F): Drivetrain - Automatic Transmission/Transaxle - "Automatic Transaxle Unit: Removal"

2001 / 2002 / 2003 RAV4 (U140F): Drivetrain - Automatic Transmission/Transaxle - "Automatic Transaxle Unit: Installation"

2WD:

2001 / 2002 / 2003 RAV4 (U241E): Drivetrain - Automatic Transmission/Transaxle - "Automatic Transaxle Unit: Removal"

2001 / 2002 / 2003 RAV4 (U241E): Drivetrain - Automatic Transmission/Transaxle - "Automatic Transaxle Unit: Installation"

^^ 2001 / 2002 / 2003 RAV4 (4WD): Drivetrain - Automatic Transmission/Transaxle - "Automatic Transaxle (U140F): Pre-check" (Road Test section)

2001 / 2002 / 2003 RAV4 (2WD): Drivetrain - Automatic Transmission/Transaxle - "Automatic Transaxle (U241E): Pre-check" (Road Test section)