

# ATTENTION

YOUR WARRANTY DEPENDS ON YOUR ADHERENCE TO THESE GUIDELINES

## A245E & A246E

Toyota Automatic Transmission

## PRODUCT BULLETIN

### 2005-2007 Toyota Corolla and Matrix ECM Replacement

Some 2005-2007 model year Corolla and Matrix vehicles equipped with an automatic transaxle may exhibit a harsh shift condition and an "MIL ON" with DTC P2716 stored.

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

#### APPLICABLE VEHICLES

This affects Part Numbers T500701 (A245E) and T500751 (A246E).†

#### CODES AND DIAGNOSTIC INFORMATION

OP CODE	DESCRIPTION	MODEL	TIME	OFF	T1	T2
895011	R & R Engine Control Module (ECM/PCM)	Corolla	0.4	89661-#####	8A	99
		Matrix	0.5			

#### PARTS INFORMATION


MODEL YEAR	MODEL	TRANS	PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
2005, 2006, 2007	Corolla	A/T	89661-02C0#	89661-02K11	Computer, Engine Control (ECM/PCM)	1
			89661-02C9#			
			89661-02K10	89661-02K21		1
			89661-02C1#			
	89661-02D0#		89661-02K31	1		
	89661-02K20					
	Matrix		89661-0112#	89661-02K41		1
			89661-02D4#			
89661-02K30		89661-02K41	1			
89661-0113#						
89661-02D5#						
89661-02K40						

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## REQUIRED TOOLS & EQUIPMENT

SPECIAL SERVICE TOOLS (SSTs)	SUPPLIER	PART NUMBER	QTY
<b>TIS Techstream*</b> NOTE: Software version 2.11.004 or later is required. 	ADE	TSUNT	1

\* Essential SSTs.

## INSPECTION PROCEDURE

If the vehicle is currently exhibiting a harsh shift condition and MIL "ON" with DTC P2716 stored, refer to the Technical Information System (TIS) and follow the diagnostic procedures below.

## REPAIR PROCEDURE

- Repair the ECM (PCM); Refer to TIS
  - 2005 Corolla or Matrix Repair Manual:
    - Engine/Hybrid System - Engine Control - "1ZZ-FE 2ZZ-GE: ECM Replacement"
  - 2006 or 2007 Corolla or Matrix Repair Manual:
    - Engine/Hybrid System - Engine Control - "1ZZ-FE Engine Control System: ECM Removal"
    - Engine/Hybrid System - Engine Control - "1ZZ-FE Engine Control System: ECM Installation"
- Register the VIN into the replacement ECM (PCM); Refer to TIS:
  - 2005 Corolla or Matrix Repair Manual:
    - Engine/Hybrid System - Engine Control - "1ZZ-FE: SFI System: Registration"
  - 2006 or 2007 Corolla or Matrix Repair Manual:
    - Engine/Hybrid System - Engine Control - "1ZZ-FE Engine Control System: SFI System: Registration"
- Test drive the vehicle to confirm the repair.

† 2005-2007 Toyota Corolla and Matrix (2WD) vehicles equipped with the 1ZZ-FE engine.  
\* Warranty application is limited to correction of a problem based upon a customer's specific complaint.  
^ 2005 model year Corolla Repair Manual, Drivetrain - Automatic Transmission/Transaxle - "Electronic Controlled Automatic Transaxle [ECT]: P2716 Pressure Control Solenoid 'D' Electrical"  
^ 2006 or 2007 model year Corolla Repair Manual, Drivetrain - Automatic Transmission/Transaxle - "A245E Automatic Transaxle: Automatic Transaxle System: P2716: Pressure Control Solenoid 'D' Electrical (Shift Solenoid Valve SLT)"