

1ZZ-FE Engine Control Module (ECM) Parts Information

Service Category Engine/Hybrid System

Section Engine Control

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2005 – 2008	Corolla	Engine(s): 1ZZ Transmission(s): 5MT, 4AT VDS(s): BR30E, BR32E
2005 – 2008	Matrix	Drive Type(s): 2WD Engine(s): 1ZZ Transmission(s): 4AT, 5MT VDS(s): KR30E, KR32E

Introduction

The purpose of this TSB is to provide the Engine Control Module/ECM (SAE term: Powertrain Control Module/PCM) parts information necessary for proper identification and vehicle application.

A vehicle with an incorrect ECM (PCM) installed may cause one or both of the following conditions:

- M.I.L. "ON" DTC P0741 – Torque Converter Clutch Solenoid Performance (Shift Solenoid Valve SL).
- Failure to complete On-Board Diagnostic (OBD II) Readiness Monitors.

NOTE

If the part number is correct, the ECM (PCM) is NOT the cause of the DTC or OBD II Readiness Monitor concern.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	–	–	–	–

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Parts Information

NOTE

2005 – 2007 model year Corolla/Matrix vehicles are NOT compatible with 2008 model year ECMs.

- 2005 – 2007 ECM communication protocol: Serial Information Line (SIL) [ISO 9141]
- 2008 ECM communication protocol: Controller Area Network (CAN)

MODEL	TRANS	MODEL YEAR	PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
Corolla	A/T w/VSC	2005	89661-02C0#	89661-02K11	Engine Control Module (ECM/PCM)	1
		2006	89661-02C9#			
		2007	89661-02K10			
	A/T w/o VSC	2005	89661-02C1#	89661-02K21		1
		2006	89661-02D0#			
		2007	89661-02K20			
A/T w/VSC	2008	89661-02Q90	Same	1		
A/T w/o VSC		89661-02R00	Same	1		
Matrix	A/T w/VSC	2005	89661-0112#	89661-02K31	Engine Control Module (ECM/PCM)	1
		2006	89661-02D4#			
		2007	89661-02K30			
	A/T w/o VSC	2005	89661-0113#	89661-02K41		1
		2006	89661-02D5#			
		2007	89661-02K40			
A/T w/VSC	2008	89661-02R40	Same	1		
A/T w/o VSC		89661-02R50	Same	1		
Corolla & Matrix	M/T	2005	89661-0Z04#	89661-02K51	Engine Control Module (ECM/PCM)	1
		2006	89661-02D1#			
		2007	89661-02K50			
		2008	89661-02R10	Same		1