



**Technical Service
BULLETIN**

December 16, 2005

Title:

**M.I.L. "ON" DTC P0300, P0301, P0302,
P0303, OR P0304**

Models:

'04 – '05 Prius

**ENGINE
EG063-05**

Introduction Some 2004 and 2005 model year Prius vehicles may exhibit a M.I.L. "ON" condition with Diagnostic Trouble Codes P0300, P0301, P0302, P0303, or P0304. A possible cause for this condition is water collection within one or more of the spark plug tubes from a leak at the plastic cowl cover. Use the following procedure to diagnose and correct this condition.

- Applicable Vehicles**
- **2004 – 2005** model year **Prius** vehicles.

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
90919-01217	Same	Spark Plug	As Required
90919-02240	Same	Ignition Coil	

Required Tools & Material

TOOLS & MATERIAL	KENT PART NUMBER	QUANTITY
Kent Acrysol™ (or equivalent) (24 oz. aerosol can)	60170	1
Kent High Tech™ Clear Seam Sealer (11 oz. cartridge)	10195	1

NOTE:

The parts listed above can be obtained from the local Kent™ representative or from Kent™ nationally at 1-800-654-6333.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EG5023	R & R Wiper Arms and Plastic Cowl Cover and Apply Seam Sealer to Cowl	0.3	55709-47050	64	55
Combo A	R & R Spark Plug	0.2	90919-01217		
Combo B	R & R Ignition Coil	0.2	90919-02240		



Applicable Warranty*:

This repair is covered under the Toyota Comprehensive Warranty. This warranty is in effect for 36 months or 36,000 miles, whichever occurs first, from the vehicle's in-service date.

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



Required
SSTs

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	Toyota Diagnostic Tester Kit* NOTE: <ul style="list-style-type: none"> All components from this kit/set are required 12 Megabyte Diagnostic Tester Program Card (P/N 01002593–005) with version 13.2a Software (or later) is required 	TOY220036	1	9
2	CAN Interface Module Kit* NOTE: <ul style="list-style-type: none"> All components from this kit/set are required 	01002744	1	9

* Essential SSTs.

** Refers to drawer number in SST Storage System.

NOTE:

Additional Diagnostic Tester Kits, CAN Interface Modules, Program Cards, or other SSTs may be ordered by calling SPX/OTC at 1-800-933-8335.

Repair
Procedure

- Use the Toyota Diagnostic Tester to identify which cylinders have engine misfire DTCs.
- Remove the affected ignition coil and cylinder spark plug. Refer to the Technical Information System (TIS), 2004 or 2005 model year Prius Repair Manual: *Ignition: Ignition Coil No.1 (1NZ–FXE): Replacement*.
- Inspect the affected spark plug for surface corrosion and/or water. If present, replace the spark plug. Torque replacement spark plugs to the following specifications:
Torque: 18 N•m (184 kgf•cm, 13 ft•lbf)

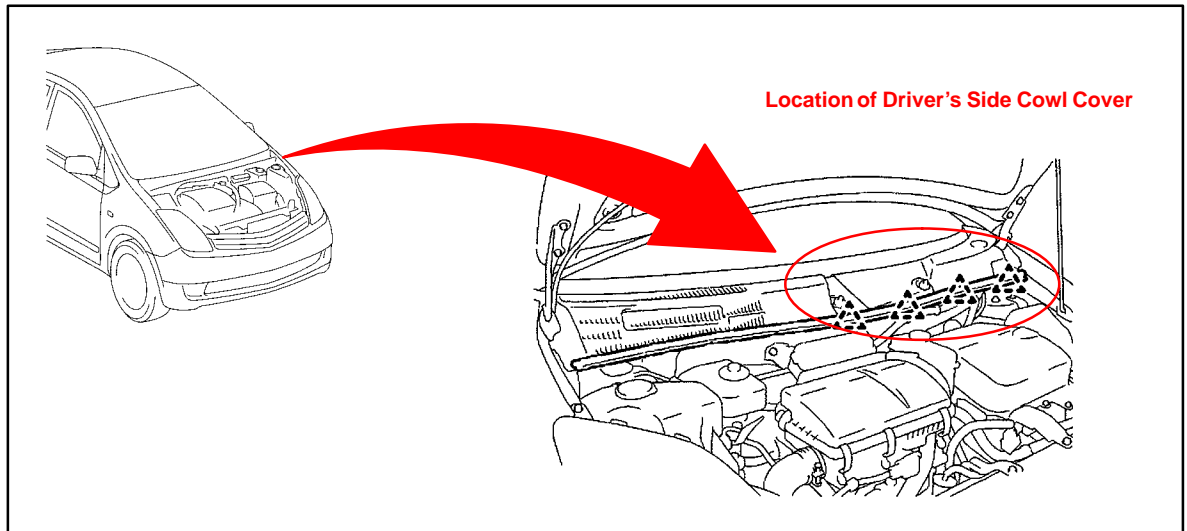
NOTE:

If water intrusion is NOT the cause of the engine misfire, refer to the Repair Manual for diagnostic procedures.

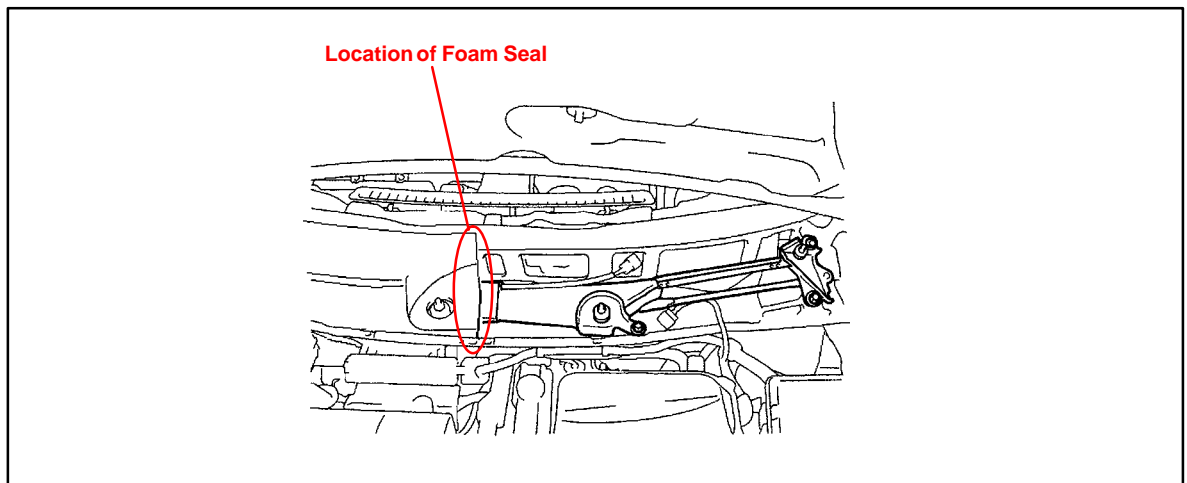
- Inspect the interior terminal on the affected ignition coil for corrosion. If present, replace the ignition coil.
- Clear DTCs with the Diagnostic Tester and confirm engine operation.

**Repair
Procedure**
(Continued)

6. Remove wiper arms and detach the driver's side plastic cowl cover. For further removal instructions, refer to TIS, 2004 or 2005 model year Prius Repair Manual: *Wiper & Washer: Windshield Wiper Motor Assy: Replacement*. Refer to the illustration for the location of the driver's side cowl cover.



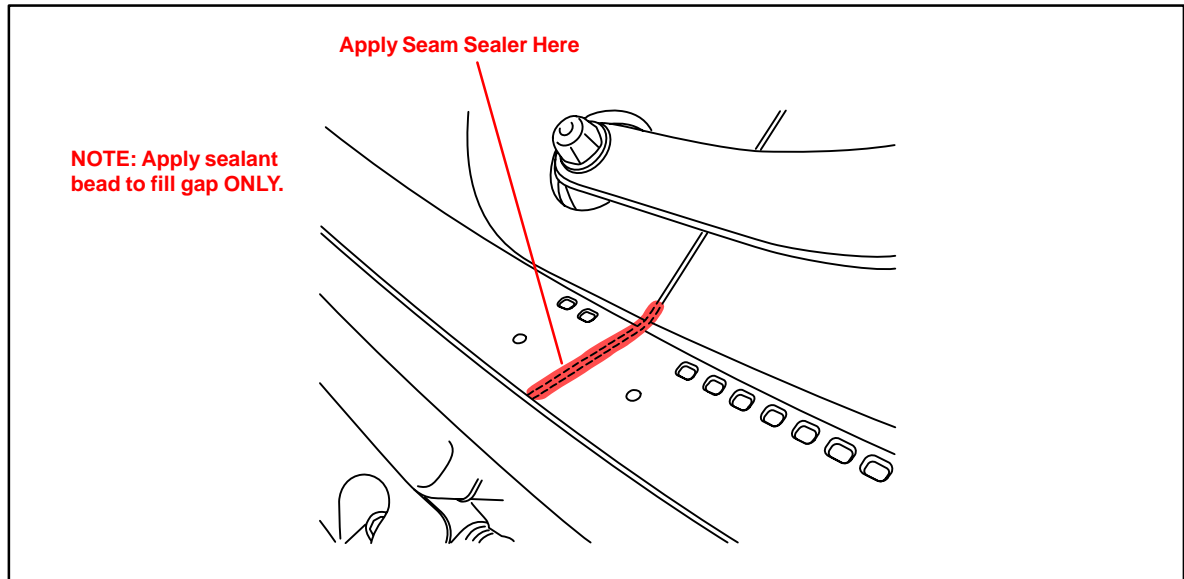
7. The driver's side plastic cowl cover may be tilted to expose the area where both cowl covers are joined. Do NOT remove the weatherstrip that is bonded to the front of the plastic cowl covers. Remove the black foam seal where the driver's and passenger's side cowl covers join in the center.



8. Use Kent Acrysol™ (or equivalent) to remove the adhesive residue remaining from the black foam seal on the driver's and passenger's side cowl covers.
9. Reinstall the driver's side cowl cover to the vehicle.

**Repair
Procedure**
(Continued)

10. Apply a small bead of seam sealer (Kent High Tech™ Clear Seam Sealer, or equivalent) to the seam between the driver's side and the passenger's side cowl covers at the location shown in the illustration.



11. Allow the seam sealer to dry for 15 minutes.
12. Confirm there are NO gaps in the seam sealer to allow water to leak through. Pour water over seam sealer to verify there is NO water leakage. If leakage is present, perform step 10 again to seal visible leak paths in seam sealer.
13. Reinstall the windshield wiper arms.