# Technical Bulletin

| Model(s) | Year | Eng. Code | Trans. Code | VIN Range From | VIN Range To |
|----------|------|-----------|-------------|----------------|--------------|
| Routan | 2011-2012 | 3.6L (CJRA) | All | All | All |

## Condition

**15 14 04** October 31, 2014 **2038672**

**MIL ON, DTCs P0300, P0302, P0304 or P0306 Stored in ECM Fault Memory**

## Technical Background

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the Technician may find that any the following Diagnostic Trouble Codes have been set:

- P0300- Multiple Cylinder Misfire
- P0302- Cylinder 2 Misfire
- P0304- Cylinder 4 Misfire
- P0306- Cylinder 6 Misfire

**Tip:**

•**wiTECH™ SOFTWARE LEVEL MUST BE AT RELEASE 13.04.7 OR HIGHER FOR THIS BULLETIN.**

•**StarMOBILE™ SOFTWARE LEVEL MUST BE AT RELEASE 10.01 OR HIGHER FOR THIS BULLETIN**

## Production Solution

Cylinder Head improvement MY2013.

# Technical Bulletin

## Service

Using a Scan Tool (wiTECH) with Elsa and the appropriate Diagnostic Procedures, verify all engine systems are functioning as designed. If DTC's are present record them on the repair order and repair as necessary before proceeding further with this bulletin.

If the customer describes the symptom/condition, perform the Repair Procedure.

**Repair Procedure**

**1.** Perform a cylinder leakage test on cylinders 2, 4 and 6. Follow the detailed service procedures available in ELSA>Diagnostic Information-Non-DTC Based>00 General, Technical Data>Engine Mechanical>Cylinder Combustion pressure Leakage Test, Refer To Group 9 - Engine, 3.6L> Diagnosis and Testing> Cylinder Leakage Test.

**2.** Do any of the cylinders exhibit leakage of 25% or greater?

a. If Yes>>> Proceed to Step 3.

b. If No>>> This bulletin does not apply. Proceed with normal diagnostic procedures.

⚠️**Note:**

**Record all cylinder leakage test results on the Repair Order.**

**3.** Replace the left cylinder head. Follow the detailed service procedures available in Elsa>Engine>Engine Mechanical>Cylinder head/Valve train>Removal Installation>Left cylinder head.

# Technical Bulletin

## Warranty

⚠️**Note:**

**All Routan pre and post road test, StarMOBILE and wiTECH time units are included in the labor operation. Therefore, no road test time units will appear in the designated area within the warranty table.**

| To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual [1] | | | | | |
|---|---|---|---|---|---|
| **Model(s)** | **Year(s)** | **Eng. Code(s)** | **Trans. Code(s)** | **VIN Range From** | **VIN Range To** |
| **Routan** | **2011-2012** | **3.6L (CJRA)** | **All** | **All** | **All** |
| **SAGA Coding** | | | | | |
| **Claim Type:** | **Use applicable Claim Type [1]** | | | | |
| **Service Number:** | | **Damage Code** | **HST** | | **Damage Location (Depends on Service No.)** |
| **1570** | | **0050** | **CWM2038672** | | **Use applicable when indicated in ElsaWeb (L/R)** |
| **Parts Manufacturer** | | **Routan** | | | **USM [2]** |
| **Labor Operation [3] :** **Cylinder Leakage Test Only Step B** | | **15700399 = 100 TU** | | | |
| **OR** | | | | | |
| **Labor Operation [3] :** **Head, Cylinder Assembly – Replace Left/Front Side (Includes cylinder leakage test) Step A** | | **15705599 = 980 TU** | | | |
| **Causal Part: Step "B"** | | **Select labor operation** | | | |
| **OR** | | | | | |
| **Causal Part: Step "A" Cylinder Head** | | **7B0103351KXR MN** | | | |

# Technical Bulletin

| Diagnostic Time [4] | | |
|---|---|---|
| **GFF Time expenditure** | **01500000 = 00 TU max.** | **NO** |
| **Road Test** | **01210002 = 00 TU** <br> **01210004 = 00 TU** | **NO** |
| **Technical Diagnosis** | **01320000 = 00 TU max.** | **NO** |
| **Claim Comment: Input "As per Technical Bulletin 2038672" in comment section of Warranty Claim.** | | |
| [1] **Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only** <br><br> [2] **Code per warranty vendor code policy.** <br><br> [3] **Labor Time Units (TUs) are subject to change with ELSA updates.** <br><br> [4] **Documentation required per Warranty Policy Procedures Manual.** | | |

# Technical Bulletin

## Required Parts and Tools

| Part Description | Part No: | Quantity |
|---|---|---|
| Cylinder Head | 7B0103351KXR MN | 1 |
| Gasket, Cylinder Head | 7B0103383H | 1 |
| Seal, Intake Plenum | 7B0133237 | 6 |
| Seal, Intake Manifold | 7B0129717B | 6 |
| RTV, Silicone Sealer | D  174003M2 | 1 |
| Filter, Engine Oil | 7B0115562B | 1 |
| Oil, Engine | | (AR) |

| Tool Description | Tool No: |
|---|---|
| Midtronics Battery Tester/Charger | InCharge 940 (INC-940) or GRX 3000 VAS |
| StarMOBILE Tester Kit or VW MICRO POD Tester Kit | CH9401 (SW level 10.01.23 or higher) VWMICROPOD |
| wiTECH Desktop Client | (Software level 13.04.7 or higher) |

## Additional Information

**All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.**