# 09 - Engine, 5.7L/Specifications TORQUE SPECIFICATIONS

TORQUE CHART 5.7L ENGINE

| DESCRIPTION                             | N-m   | Ft. Lbs.               | In.<br>Lbs. |
|---|---|------------------------|-------------|
| Block Pipe Plugs                        |   |                        |             |
| (1/4 – 18 NPT)<br>Oil gallery Plug      | 20  | 15                     | 2500        |
| (1/4 – 18 NPT)<br>Coolant Drain<br>Plug | 34  | 25                     | -           |
| (3/8 NPT)                               | 27  | 20                     | J           |
| Camshaft Phaser<br>Bolt                 | 98  | 72                     | Store       |
| Camshaft<br>Tensioner Plate<br>Bolts    | 28  | 21                     | _           |
| Coil to Cylinder<br>Head Cover Bolts    | 7   | -                      | 62          |
| Timing Chain<br>Case Cover Bolts        | 28  | 21                     | -           |
| Lifting Stud                            | 55  | 41                     | 1200        |
| Connecting Rod<br>Cap Bolts             | 21<br>plus 90°<br>Turn  | 15<br>plus 90°<br>Turn | <u> </u>    |
| Main Bearing Cap<br>Bolts               | (Refer to 09 - Engine/Engine<br>Block/CRANKSHAFT -<br>Installation) |                        |             |
| Cylinder Head<br>Bolts                  | (Refer to 09 - Engine/Cylinder<br>Head - Installation)              |                        |             |
| Cylinder Head<br>Cover Bolts            | 8   | _                      | 71          |
| Exhaust Manifold-<br>to-Cylinder Head   | 25  | 18                     | 10-         |

| DESCRIPTION                               | N·m  | Ft. Lbs. | In.<br>Lbs. |
|---|--|----------|-------------|
| Flexplate-to-<br>Crankshaft Bolts         | 95   | 70       | _           |
| Front Engine<br>Mount Bracket to<br>Block | 61   | 45       | =           |
| Flywheel-to-<br>Crankshaft Bolts          | 75   | 55       | -           |
| Front Insulator<br>Through Bolt/Nut       | 95   | 70       |             |
| Through Bolt/Nut<br>(4WD)                 | 102  | 75       | To the last |
| Stud Nut (4WD)                            | 41   | 30       | _           |
| Front Insulator-to-<br>Block Bolts (2WD)  | 61   | 45       | -           |
| Intake Manifold<br>Bolts                  | (Refer to 09 -<br>Engine/Manifolds/MANIFOLD,<br>Intake - Installation) |          |             |
| Lifter Guide<br>Holder                    | 12   | 9        |             |
| Oil Pan Bolts                             | 12   | 9        | -           |
| Oil Dipstick Tube                         | 12   | 9        | -           |
| Oil Filter Adapter                        | 12   | 9        | ===         |
| Oil Pan Drain Plug                        | 34   | 25       |             |
| Oil Pump<br>Attaching Bolts               | 28   | 21       | -           |
| Oil Pump Pickup<br>Tube Bolt/Nut          | 28   | 21       |             |
| Rear Seal<br>Retainer Attaching<br>Bolts  | 15   | 11       | -           |
| Rear Insulator-to-<br>Bracket Bolt        | 68   | 50       | 5.78°       |

## What Are Tightening Torque Specification For 3s Toyota Engine

**Léo Pomar** 

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