

Toyota 5.7L Remanufactured Engine

Installation and Break-In

To ensure engine assembly will perform properly, **the following steps shall be taken by the mechanic performing the installation.**

1. The intake must be replaced if the previous engine has had a catastrophic failure.
2. Thoroughly flush and clean intake manifold if being reused.
 - a. **NOTE: ANY FOREIGN DEBRIS INGESTION WILL RESULT IN A DENIED WARRANTY CLAIM**
3. Manifold and cylinder head sealing surfaces should be checked and in good condition.
 - a. **NOTE: ABRASIVE DISCS OF ANY TYPE ARE NOT TO BE USED ON ANY SEALING SURFACE OR ANY WARRANTY CLAIM CAN BE DENIED**
4. Thermostats should be checked or replaced with one of the correct temperature. Use the proper pressure cap as specified by the engine manufacturer, and make sure it is properly seated. Bleed all air from cooling system before starting.
 - a. Refer to owner's manual for correct coolant. Use fresh coolant blended to a mixture of no more than 60% antifreeze and 40% distilled water.
 - b. **NOTE: ANY OVERHEATING CAUSED BY AN AIR POCKET IN THE COOLING SYSTEM CAN RESULT IN A DENIED WARRANTY CLAIM**
5. It is highly recommended to **replace cam actuator solenoids** as they are not supplied new with this engine. Failure to do so may trigger OBD cam/crank correlation failure codes.
6. The oil cooler should be replaced at installation. **Failure to replace the oil cooler could result in a denied warranty claim due to oil contamination from the previous engine.**
7. Oil pump, oil lines (if equipped) and filter/s must be primed using an auxiliary pump such as Sealed Power T40, OTC #6492 or similar system.
 - a. **NOTE: FAILURE TO PROPERLY PRIME THE ENGINE COULD RESULT IN BEARING FAILURE AND A DENIED WARRANTY CLAIM**
8. Fill engine with manufacturer's recommended motor oil.
9. Start engine and run at fast idle, approximately 1500 RPM, and check the oil pressure. Run the engine for 30 minutes even though coolant may rise to operating temperature in a few minutes. Start engine again and make a test run on the road at 30 MPH in "drive" range or select the proper gears for standard transmission. Periodically accelerate to 50 MPH and decelerate rapidly. Repeat this procedure at least 10 times.
 - a. **NOTE: Applying loads to the engine for short periods of time causes increased ring pressure against the cylinder walls and helps to seat the rings. The rapid deceleration increases vacuum and gives extra lubrication to the piston and ring assemblies.**
10. Drive normally but not at continuous high speeds or under heavy loads for the first 500 miles. Change oil and filters after 500 miles. Refer to owner's manual for specific type of oil to use.

TECHNICAL HELP AND WARRANTY INFORMATION

For any warranty claims, begin by contacting the vendor where the engine was purchased. Additionally, you can call **1-844-264-0401** for Technical Assistance or to start a claim.