



## Revised Block and Piston Design for 2007-2008 Subaru 3.6L Engines

The AERA Technical Committee offers information on a revised piston & block design change for 2007-2008 Subaru 3.6L engines. These affected engines are used in the Tribeca vehicle models and intermixing different year engine parts may affect durability.

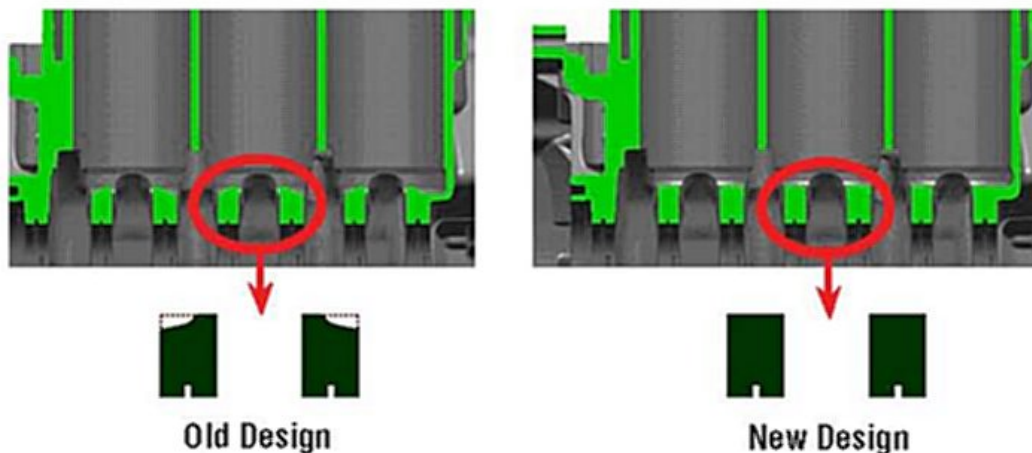
The intention of this bulletin is to inform that the cylinder block journal and piston skirt design has been changed. As a result, the ECM logic was also changed. This bulletin provides the new part numbers, countermeasure in production, interchangeability of parts and ECM reprogramming information.

The new style cylinder block and pistons were used in production starting in mid-November, 2007 starting with engine # 251543. The new ECM logic was used in production towards the end of August, 2007.

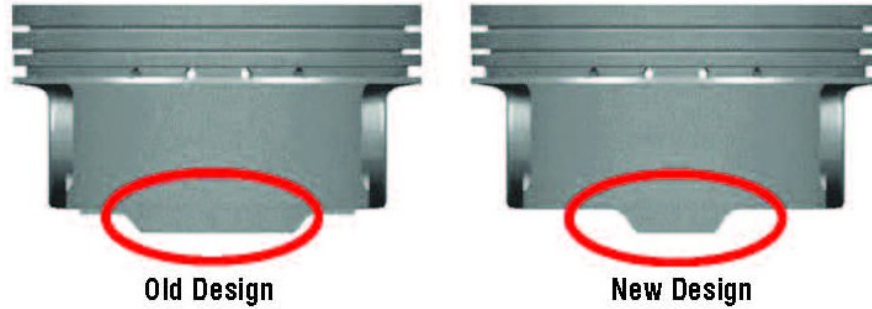
The old style pistons cannot be installed in the new style cylinder block. The new style pistons can be installed in both the old and new style cylinder block. If installed in the old style cylinder block all six pistons must be replaced.

If the new style cylinder block, pistons, or short block assembly is installed in an early production vehicle, the ECM will need to be reprogrammed.

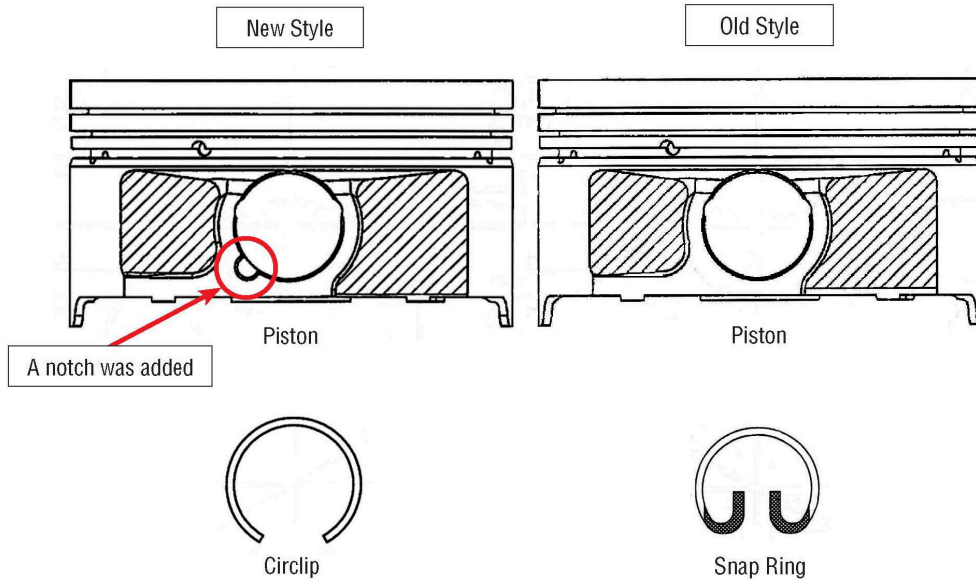
### Cylinder Block Journal Shape



**Piston Skirt Shape**



A third style piston was also incorporated into the newer (2010) engines to incorporate a retaining clip design change as shown in the illustration below. It is important to use the proper retaining clip with the proper piston or engine damage may result. Refer to the chart below for the newest design pistons.



PART NAME	NEW PART #	OLD PART #	REMARKS
Piston Set	12006AD651	12006AD650	A-size
Piston Set	12006AD661	12006AD660	B-size
Piston Set	12006AD671	12006AD670	0.25 OS
Piston Set	12006AD681	12006AD680	0.50 OS