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**Installation Instructions for Starter Adapter Shim**  
 Document No 7977-INST

Log of Revisions

No	Date	Description	Approved
N/C	12/16/2010	Original	Anthony Alsworth

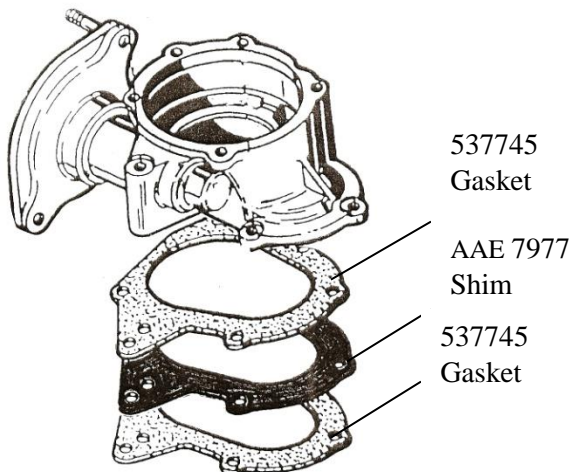
To verify that this is the most current revision of this document, call AAE at 907-272-3581

**NOTE:** The AAE 7977 shim is only necessary when your engine has the 657175 (new style) crankshaft gear being used in conjunction with the 635050 (classic/old style/sleeved) starter adapter.

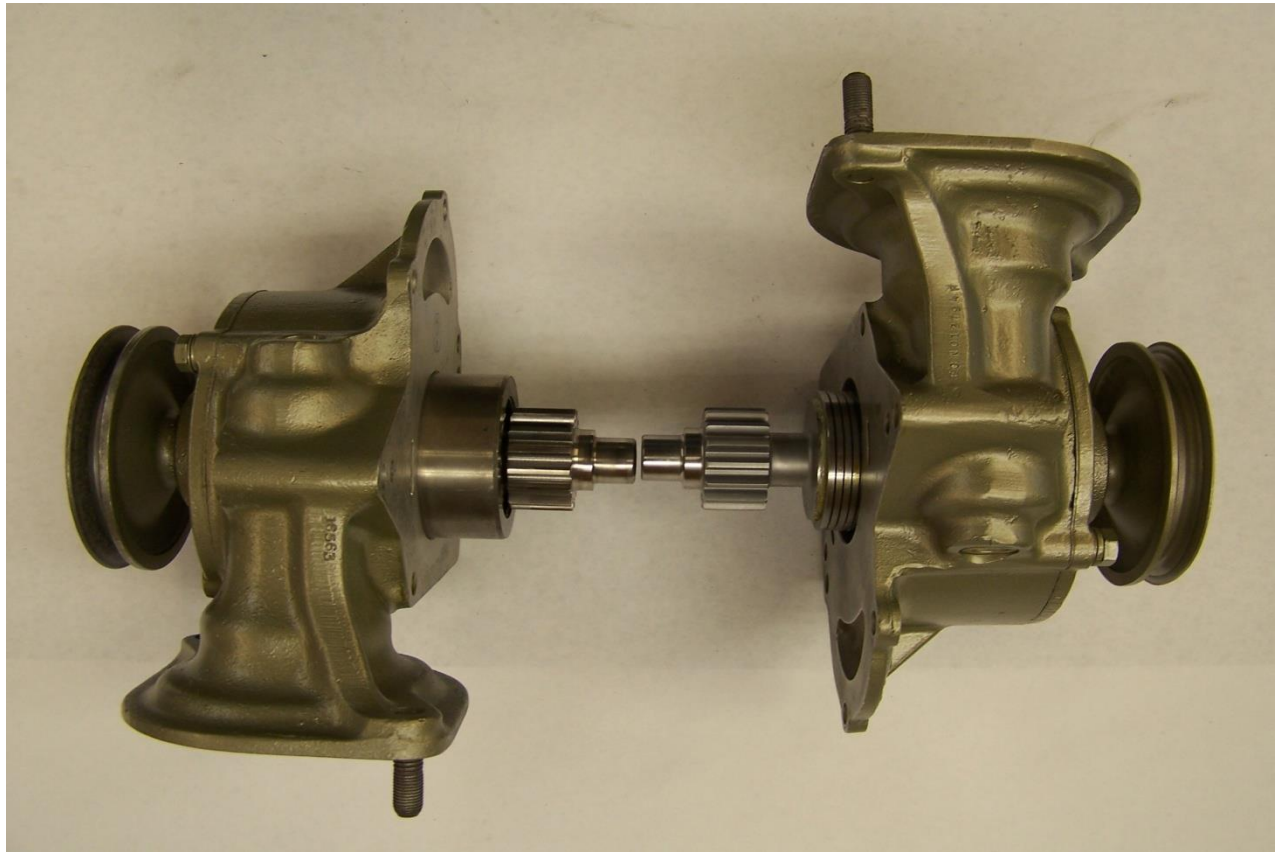
The old style crank gear 536421 or 653631 allows the use of both style starter adapter without the shim. Use the following three pictures to determine shim eligibility.

Remove all fastener bolts and nuts that are attaching the starter adapter to the engine. Then remove the starter adapter from the engine and the original gasket. Clean crankcase surface and starter adapter surface. Install shim with a new gasket on each side of the shim. Install starter adapter in reverse order it was removed and torque fasteners per TCM SB 96-7C.

**Crankshaft Gear Identification**



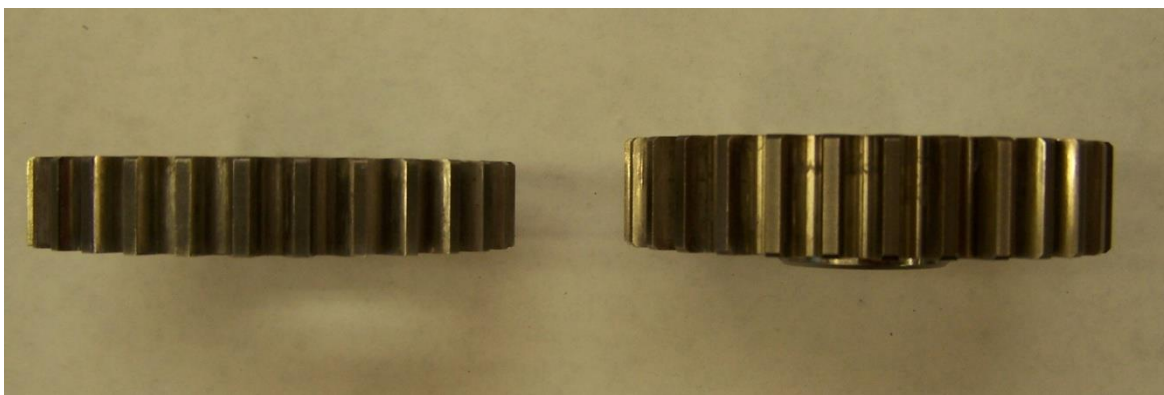
(Picture 1)



(Picture 2)

Classic/Original/Old Style/Sleeved  
Starter Adapter P/N 635050-Axx

New Style Starter Adapter  
P/N 643259-Axx



(Picture 3)

Old Gear P/N 536421 or 653631

New Gear P/N 657175