

Installation Instructions for 51605 & 51606 LT1 Harmonic Balancer

Installation Instructions:

- * Ensure that correct flange hub has been selected, clean inhibitor from seal surface.
- * It is recommended a new seal is fitted.

1. Remove old oil seal, as per original manufacturer's recommendations.
2. Clean crankshaft, remove any oil, grease or sealant.
3. Check balancer retaining washer for flatness, if distorted replace.
4. Fit new seal as per original manufacturer's recommendations.
5. Apply silicone sealant to keyway to ensure that oil does not leak around the retaining bolt.
6. Apply film of oil to bore and seal surface.
7. Line up key of the crankshaft and keyway, slide balancer on approximately 3/8 of an inch until resistance is felt, then use the retaining washer and bolt to pull the balancer on the crankshaft until it bottoms, torque to original manufacturer's specifications. Note: this harmonic balancer has been designed for use with standard non key crankshafts and also special applications where the crankshaft has a key.
8. Fit balancer to hub as per drawing, using location dowel to align parts.
9. Fit 3 , 7/16" UNC cap head bolts and spring lock washers and torque to between 40 and 55 lb-ft.

Note: If fitting hub and balancer together away from motor, take care not to damage the sealing surface of hub.

