

BEK122

Balance Shaft Elimination Kit Instructions

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BEK122 - Chrysler/Mitsubishi 1.8L, 2.0L, 2.4L,
G62B, G63B, 4G63B, G64B, 4G64B
(belt drive applications)

Kit includes: upper and lower bushings, balance
shaft replacement pin, oil galley block-off plug

Follow these steps...

1. Remove timing cover, unbolt and remove the back of the oil pump housing. Remove balance shaft from oil pump and save bolt.

2. Install the oil pump through the driven gear (see figure 1). Use the lower balance bolt to secure the plug drive oil pump gear. Tighten using thread locker or equivalent to 25-29 ft. lbs. torque. The squared end of plug may be held in a vice to assist in tightening to the proper torque.

CAUTION: The driven gear plug must be tightened with the correct torque to prevent the plug from loosening and damaging oil pump. NOTE: After tightening, rotate pump checking for resistance. If resistance is felt, rear case thickness can be filed for clearance.

3. Re-install oil pump cover and timing cover. Torque oil pump cover bolts to 11-13 ft. lbs.

4. Remove upper balance shaft and bushings from block. Drive the small (44mm) diameter bushing STEP FIRST into rear balance shaft bore. Then drive big (45mm) diameter bushing STEP FIRST in front balance bore.

5. Install soft plug in upper balance shaft hole in timing cover. Reassemble the rest of the engine in the normal manner. If balance shafts are being eliminated because of failure a thorough cleaning of all engine components and replacements of oil pump may be necessary. Rod and main bearings should be checked. Also, there may be a slight harmonics in R.W.D. application.

