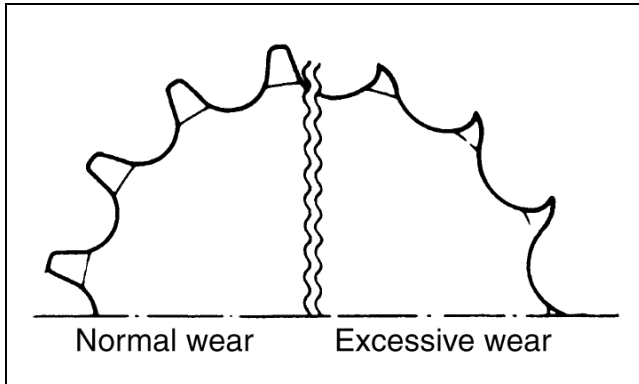


8. Remove the axle housing from the swing arm.

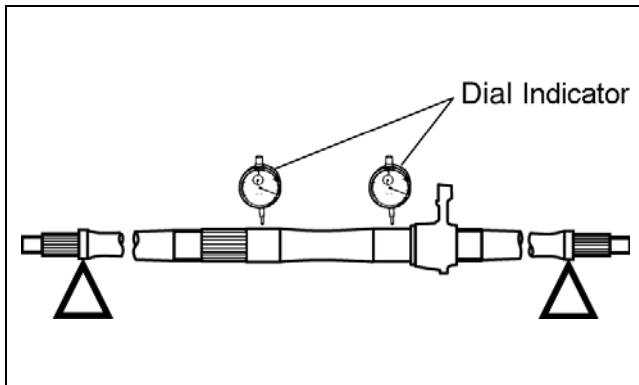
CLEANING AND INSPECTING

1. Inspect the sprocket teeth for wear. If they are worn as shown, replace the engine sprocket, rear sprocket, and drive chain as a set.



ATV2185

2. Measure the rear axle runout as shown using a V blocks and a dial indicator. If the axle runout exceeds 6 mm (0.24 in.), the axle must be replaced.



ATV2186

3. Inspect the dust seals for wear or damage. If any defect is found, replace the dust seal.
4. Inspect the axle bearings by rotating them by hand. If any roughness, binding, or excessive looseness is found, replace the axle bearings.

■ **NOTE:** If the axle bearings are replaced, replace the dust seals with new ones. Always pack the bearings with a good quality wheel bearing grease.

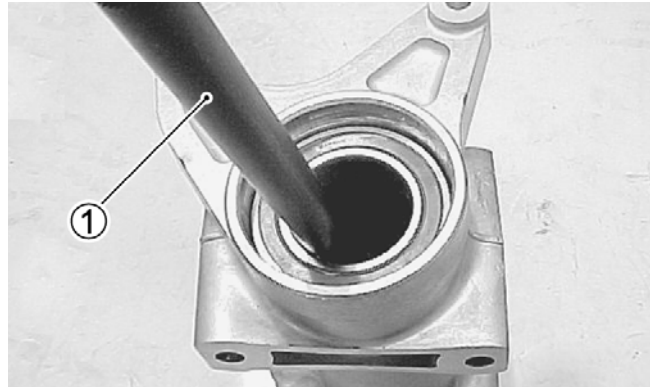
REMOVING BEARINGS

1. Remove the dust seal using an appropriate seal removal tool; then using an appropriate bar (1), drive the bearings out of the axle housing. Account for one spacer.

■ **NOTE:** Do not reuse bearings after removal.



SP318

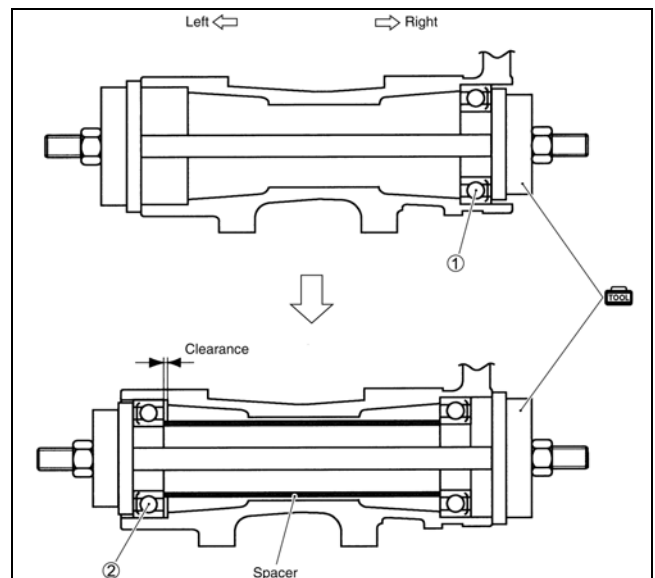


SP319

2. Clean the axle housing and inspect for cracks, elongated holes, and wear in bearing bores.

INSTALLING BEARINGS

1. Pack the new bearings with a good quality wheel bearing grease; then install the right bearing (1) first using an appropriate bearing installer. The sealed side of the bearing must be directed outward.
2. Install the spacer; then install the left bearing (2).



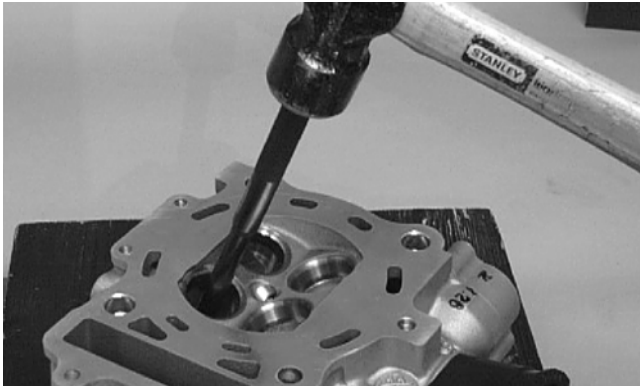
ATV2187

3. If a valve guide is out of tolerance, it must be replaced.

Replacing Valve Guide

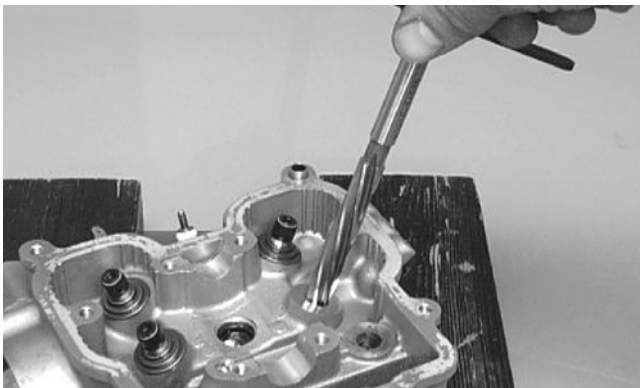
■ **NOTE:** If a valve guide is worn or damaged, it must be replaced.

1. If a valve guide needs replacing, insert a valve guide remover into the valve seat side of the valve guide. Using a hammer, gently drive the valve guide out of the cylinder head.



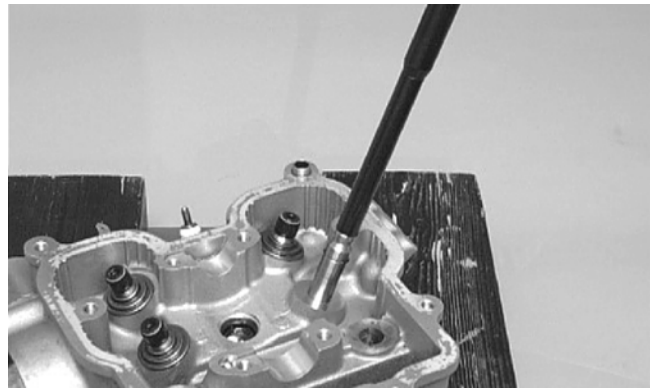
CC137D

2. Using an appropriate valve guide reamer, remove any burrs or tight areas from the valve guide journals.



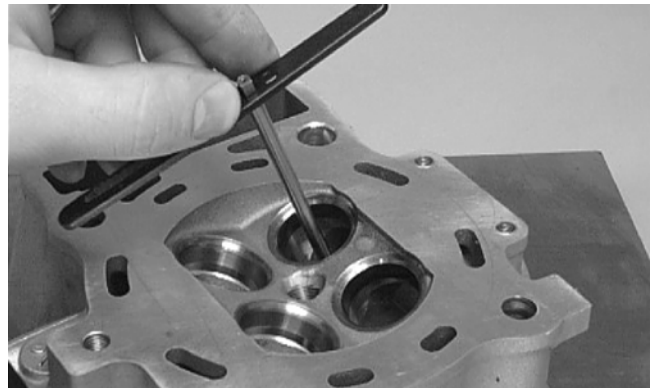
CC142D

3. To install a valve guide, use a valve guide installer and gently drive a valve guide with a retaining clip into the bore from the valve spring side until the retaining clip just contacts the cylinder head.



CC143D

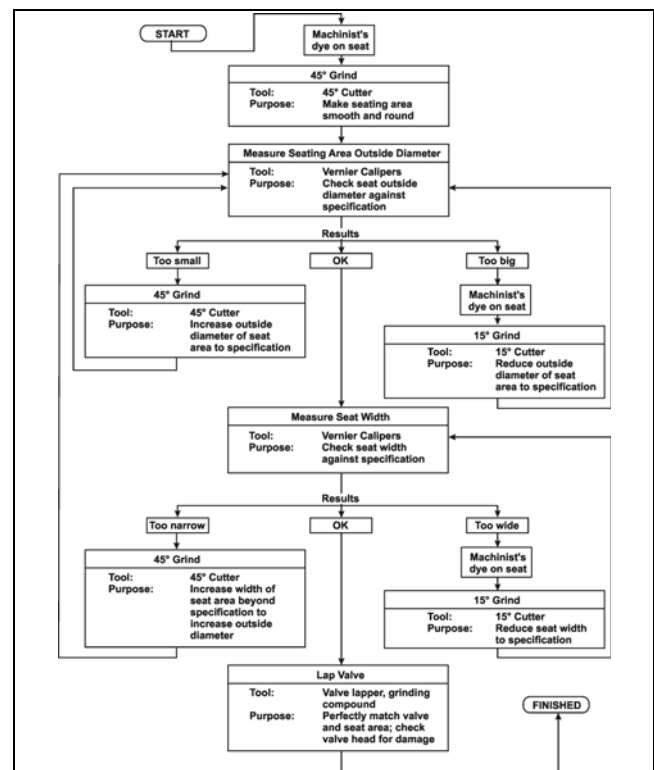
4. After installing the guide, use the standard valve guide reamer to remove all burrs and tight areas that may remain in each valve guide.



CC138D

3

Valve Seat/Guide Servicing Flow Chart



ATV-0107