

V-Twin Mfg.
Sifton Pinion Gear Puller Tool
VT Part No. 16-0129

This tool should only be used by a knowledgeable and trained motorcycle technician. V-Twin Mfg. accepts no responsibility for improper use.

The Pinion Gear Installer and Puller is used to install pressed on splined pinion gears and to remove pinion gear on BT & XL models.

Installation Instructions:

1. Remove cam cover per the service manual.
2. Use Sifton tool 16-0141 Gear Shaft Nut Socket Wrench tool to remove left hand nut on 1954-1992 Big Twin.

To Remove Pinion Gear

1. Unscrew (2) screw from (3) puller, lube screw, puller threads and screw tip. Thread screw into puller small end, just far enough to hold screw.
2. Slip body over gear and hold against gear while screwing in screw.
3. Hold body with a 7/8" open end wrench while turning screw with a 5/8" boxed end wrench. Continue to tighten until gear and tool come off pinion shaft.

To Install Pinion Gear on 1939-53 Big Twins (Most after market gears and shafts are a press fit).

1. Remove screw from pinion shaft (screw is left hand thread).
2. Lube both threads of the screw (2), and screw short end of screw into the end of pinion shaft as far as it will go.
3. Use lube on pinion shaft O.D. and gear I.D. Slip pinion gear (with timing marks outward) on shaft as far as it will go.
4. Next slip the collar (1) over screw and up against gear, big shoulder first, followed by puller (3) in reverse, small end towards collar.
5. Tighten puller (3) with 7/8" open end wrench until collar stops at motor case. Gear is now in the proper position to clear cam cover pinion bushing.

CAUTION:

1. After gear is installed, reinstall screw into the end of pinion shaft.
2. For 1957-1976 XL models do the above but follow service manual for the right position of gears

